

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056373.D
 Acq On : 19 Jun 2019 9:16
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 6/21/2019 10:52:03 PM

Quant Time: Jun 20 04:23:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	361278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	545860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	19418	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
35) Dibromofluoromethane	7.59	113	15859	4.57	ug/l	0.00
Spiked Amount			Recovery	=	9.14%	
50) Toluene-d8	10.09	98	64398	4.84	ug/l	0.00
Spiked Amount			Recovery	=	9.68%	
62) 4-Bromofluorobenzene	12.40	95	18440	4.19	ug/l	0.00
Spiked Amount			Recovery	=	8.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	13756	4.391	ug/l	95
3) Chloromethane	2.06	50	19969	4.741	ug/l	99
4) Vinyl Chloride	2.18	62	19610	4.744	ug/l	97
5) Bromomethane	2.52	94	13366m	5.591	ug/l	
6) Chloroethane	2.68	64	12204m	5.161	ug/l	
7) Trichlorofluoromethane	3.00	101	26066	4.916	ug/l	100
8) Diethyl Ether	3.40	74	11705	5.511	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	16805	4.894	ug/l	100
10) Methyl Iodide	3.94	142	18517	4.176	ug/l	99
11) Tert butyl alcohol	4.75	59	13589	21.195	ug/l #	74
12) 1,1-Dichloroethene	3.73	96	15795	4.754	ug/l	97
13) Acrolein	3.60	56	13727	55.347	ug/l	95
14) Allyl chloride	4.32	41	24507	4.407	ug/l	95
15) Acrylonitrile	4.99	53	45440	24.957	ug/l	99
16) Acetone	3.82	43	51390	23.443	ug/l	99
17) Carbon Disulfide	4.05	76	31011	3.577	ug/l	97
18) Methyl Acetate	4.33	43	25027	5.213	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	53174	5.211	ug/l	98
20) Methylene Chloride	4.55	84	20349	5.160	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	16689	4.728	ug/l	94
22) Diisopropyl ether	5.95	45	55250	5.016	ug/l	95
23) Vinyl Acetate	5.90	43	198850	22.232	ug/l	100
24) 1,1-Dichloroethane	5.84	63	32408	5.034	ug/l	99
25) 2-Butanone	6.84	43	65298	24.235	ug/l	99
26) 2,2-Dichloropropane	6.83	77	21062	4.537	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	19682	4.798	ug/l	96
28) Bromochloromethane	7.19	49	14843	4.606	ug/l #	95
29) Tetrahydrofuran	7.21	42	40227	24.977	ug/l	98
30) Chloroform	7.37	83	31665	4.946	ug/l	99
31) Cyclohexane	7.66	56	34722	5.596	ug/l #	85
32) 1,1,1-Trichloroethane	7.57	97	23399	4.426	ug/l	98
36) 1,1-Dichloropropene	7.79	75	22199	4.561	ug/l	97
37) Ethyl Acetate	6.93	43	23100	4.984	ug/l	97
38) Carbon Tetrachloride	7.77	117	20662	4.479	ug/l #	87

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 MSVOA_N
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 VSTDIC005

Manual Integrations
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Quant Time: Jun 20 04:23:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	29335	4.951	ug/l	99
40) Benzene	8.04	78	74743	5.066	ug/l	100
41) Methacrylonitrile	7.17	41	9608	4.629	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	25100	5.193	ug/l	98
43) Isopropyl Acetate	8.17	43	33744	4.559	ug/l #	92
44) Trichloroethene	8.83	130	20206	5.026	ug/l	95
45) 1,2-Dichloropropane	9.12	63	20274	5.190	ug/l	96
46) Dibromomethane	9.21	93	12270	4.749	ug/l	99
47) Bromodichloromethane	9.40	83	20349	4.157	ug/l	99
48) Methyl methacrylate	9.20	41	17303	4.667	ug/l	94
49) 1,4-Dioxane	9.20	88	7203	96.561	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	115398	24.503	ug/l	100
52) Toluene	10.16	92	44475	4.950	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	18263	3.738	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	23170	4.094	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	18019	4.859	ug/l	97
56) Ethyl methacrylate	10.43	69	25752	4.837	ug/l	98
57) 1,3-Dichloropropane	10.71	76	30981	4.965	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	42772	24.306	ug/l	99
59) 2-Hexanone	10.75	43	83948	24.074	ug/l	99
60) Dibromochloromethane	10.90	129	13858	3.624	ug/l	100
61) 1,2-Dibromoethane	11.00	107	18028	4.738	ug/l	98
64) Tetrachloroethene	10.63	164	19871	5.241	ug/l	99
65) Chlorobenzene	11.43	112	47011	4.980	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.51	131	15432	4.407	ug/l	98
67) Ethyl Benzene	11.51	91	80562	4.962	ug/l	98
68) m/p-Xylenes	11.62	106	58517	9.702	ug/l	98
69) o-Xylene	11.95	106	29402	4.946	ug/l	97
70) Styrene	11.96	104	44579	4.648	ug/l	99
71) Bromoform	12.13	173	9114	3.418	ug/l #	93
73) Isopropylbenzene	12.25	105	79053	6.279	ug/l	100
74) N-amyl acetate	12.07	43	27259	5.889	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	24241	5.894	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	19238m	6.156	ug/l	
77) Bromobenzene	12.53	156	19120	5.766	ug/l	92
78) n-propylbenzene	12.59	91	75411	5.728	ug/l	99
79) 2-Chlorotoluene	12.67	91	50065	5.968	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	62537	6.105	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	3787	3.860	ug/l #	78
82) 4-Chlorotoluene	12.77	91	43661	5.641	ug/l	100
83) tert-Butylbenzene	12.99	119	56219	6.114	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	54590	5.718	ug/l	100
85) sec-Butylbenzene	13.17	105	67260	5.815	ug/l	99
86) p-Isopropyltoluene	13.29	119	56487	5.709	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	26440	5.289	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	24733	5.158	ug/l	96
89) n-Butylbenzene	13.61	91	37993	5.128	ug/l	99
90) Hexachloroethane	13.87	117	8391	4.429	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	26854	5.474	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2615	4.164	ug/l	90

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

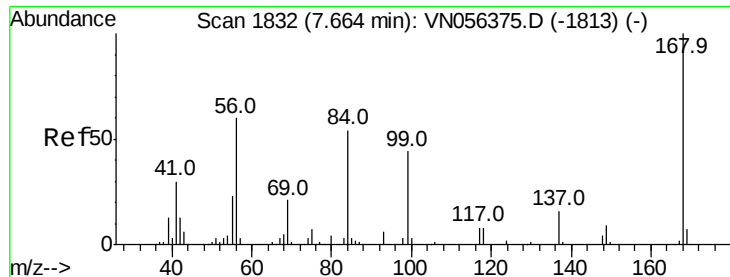
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 04:07:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	6724	3.255	ug/l	95
94) Hexachlorobutadiene	15.01	225	10883	5.551	ug/l	96
95) Naphthalene	15.13	128	19491	3.502	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	8475	3.809	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 361278

Ion Ratio Lower Upper

168 100

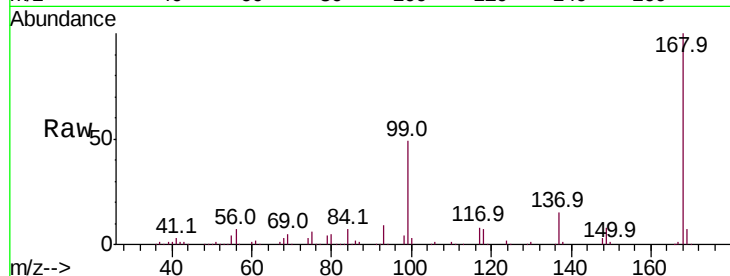
99 48.7 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

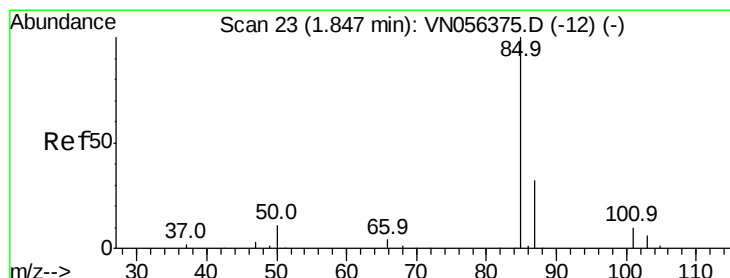
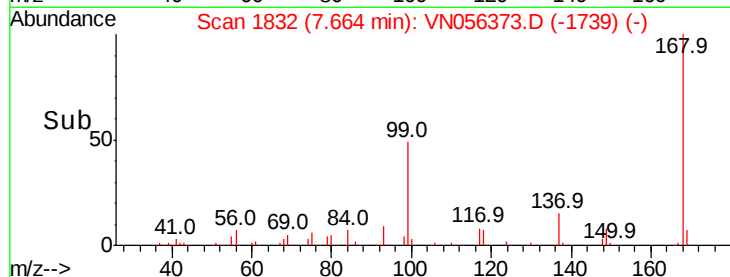
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 4.391 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056373.D

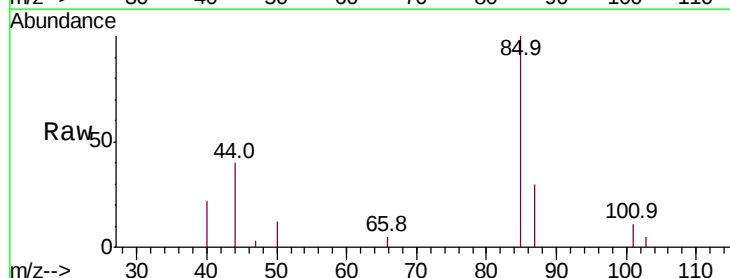
Acq: 19 Jun 2019 9:16

Tgt Ion: 85 Resp: 13756

Ion Ratio Lower Upper

85 100

87 29.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

10000

8000

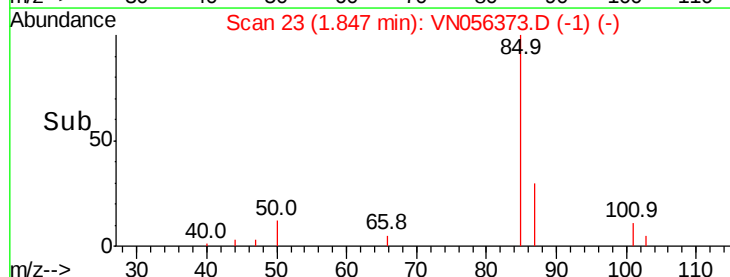
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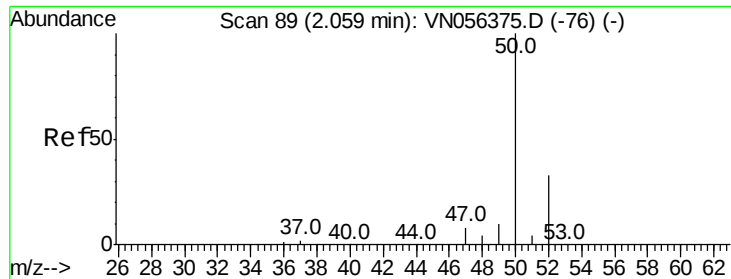
4000

2000

0

Time--> 1.80 1.85 1.90 1.95





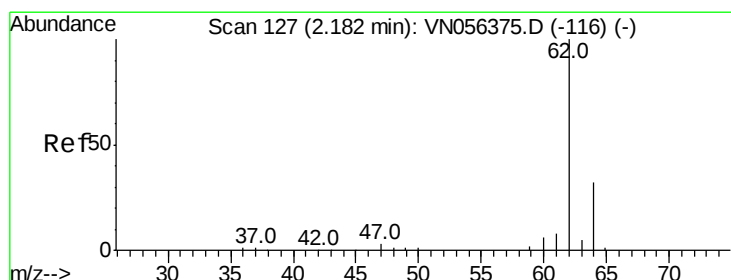
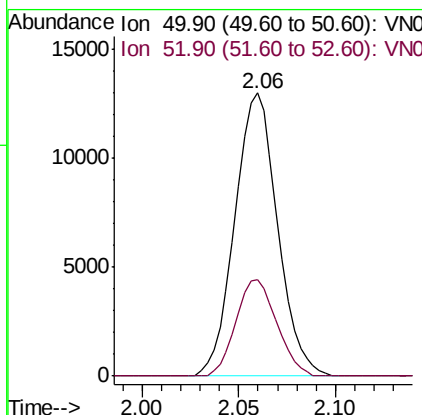
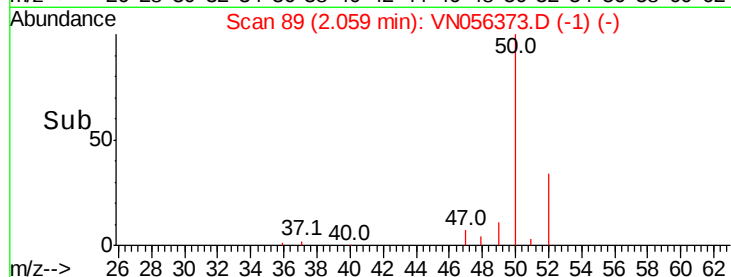
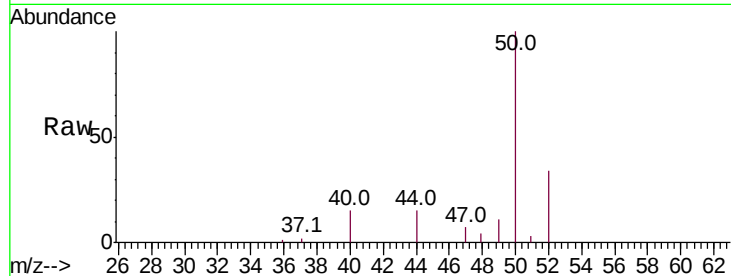
#3
Chloromethane
Concen: 4.741 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 50 Resp: 19969
Ion Ratio Lower Upper
50 100
52 33.9 26.5 39.7

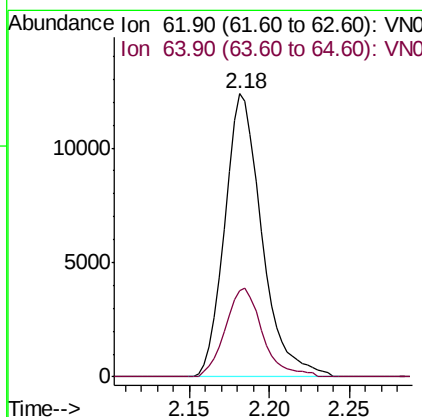
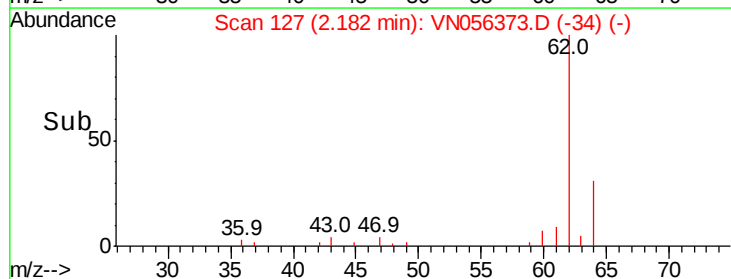
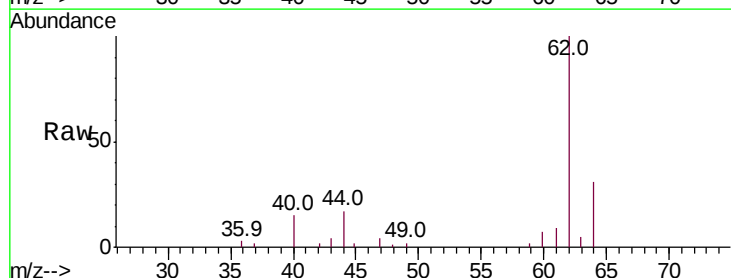
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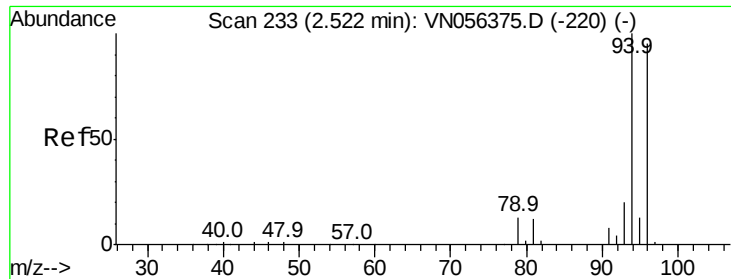
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#4
Vinyl Chloride
Concen: 4.744 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion: 62 Resp: 19610
Ion Ratio Lower Upper
62 100
64 30.7 25.7 38.5





#5

Bromomethane

Concen: 5.591 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 13366

Ion Ratio Lower Upper

94 100

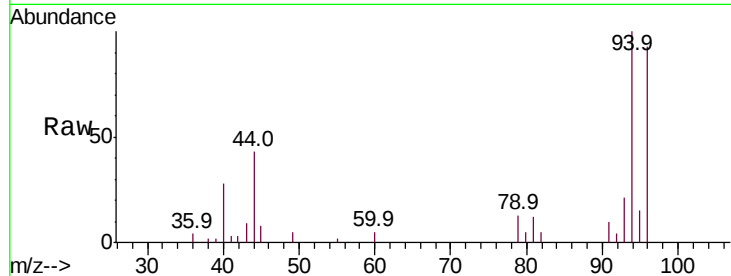
96 93.3 76.0 114.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

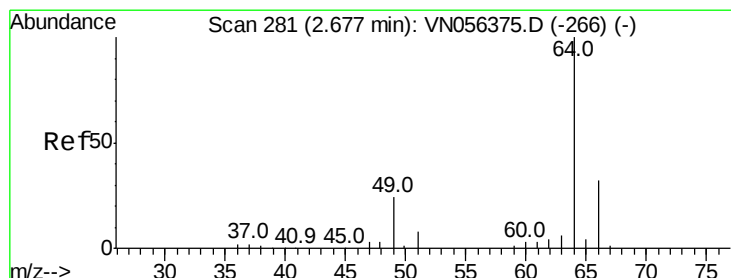
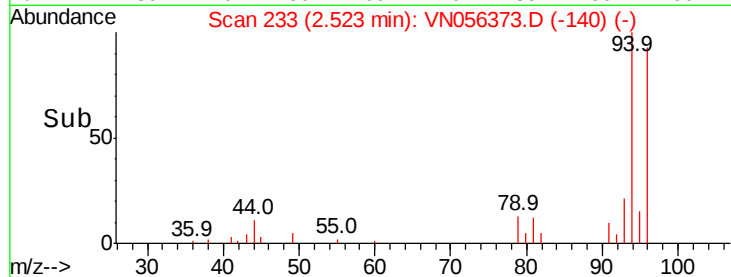
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 5.161 ug/l m

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN056373.D

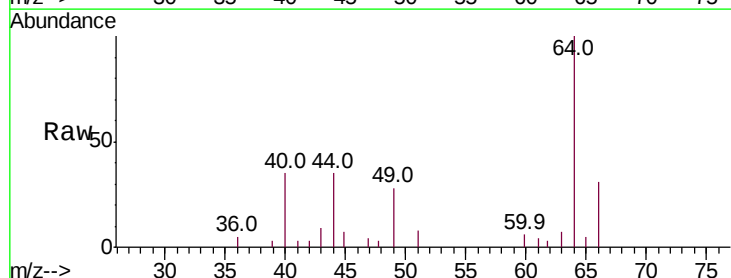
Acq: 19 Jun 2019 9:16

Tgt Ion: 64 Resp: 12204

Ion Ratio Lower Upper

64 100

66 30.9 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

6000

5000

4000

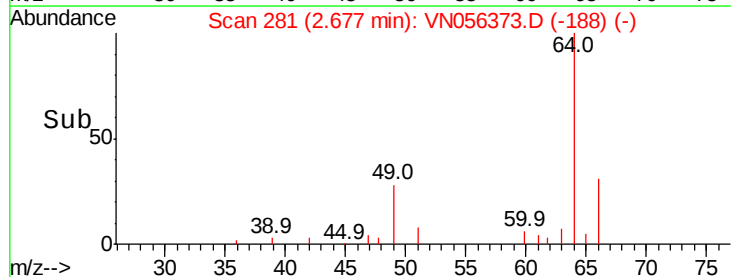
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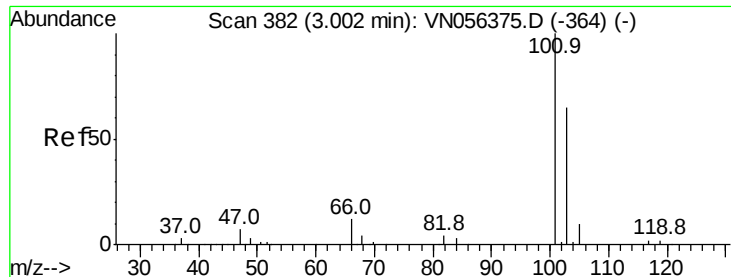
2000

1000

0

Time-->





#7

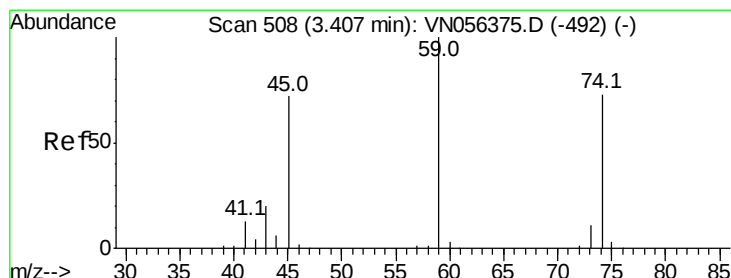
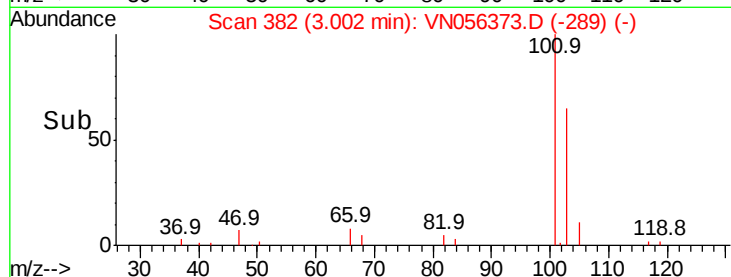
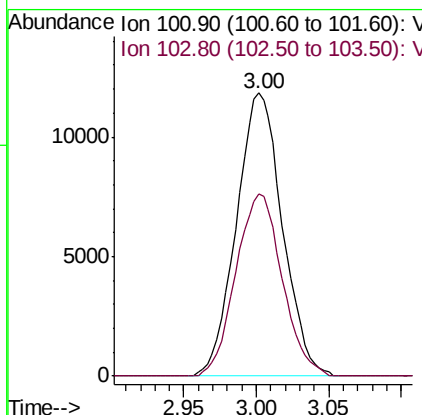
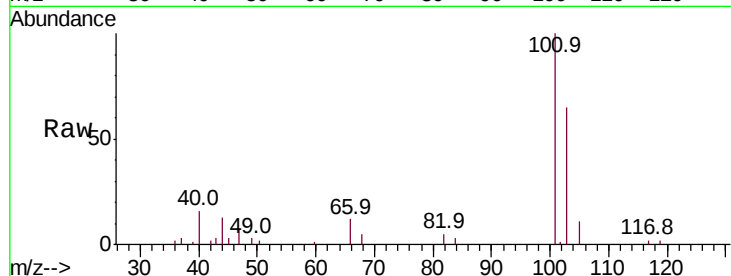
Trichlorofluoromethane
Concen: 4.916 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:101 Resp: 26066
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5

Manual Integrations
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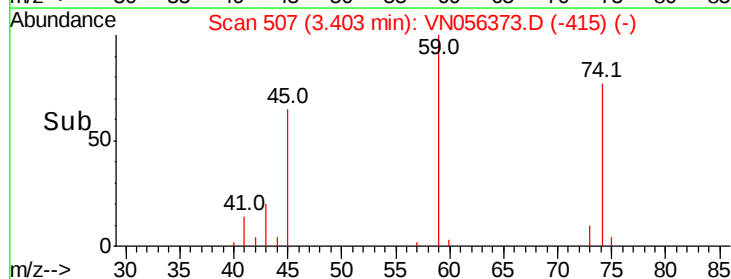
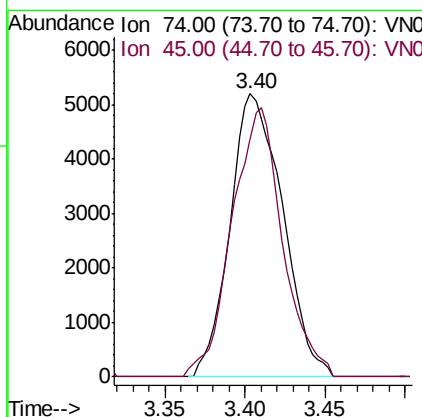
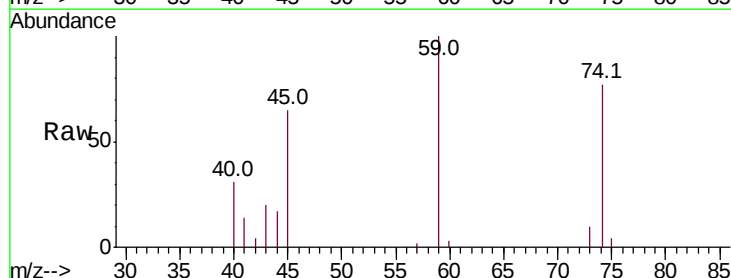
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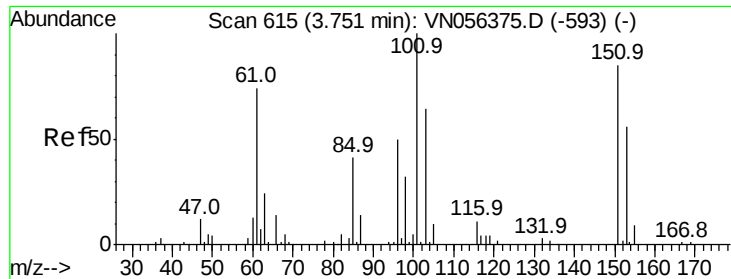


#8

Diethyl Ether
Concen: 5.511 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion: 74 Resp: 11705
Ion Ratio Lower Upper
74 100
45 91.6 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.894 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 16805

Ion Ratio Lower Upper

101 100

85 40.5 32.7 49.1

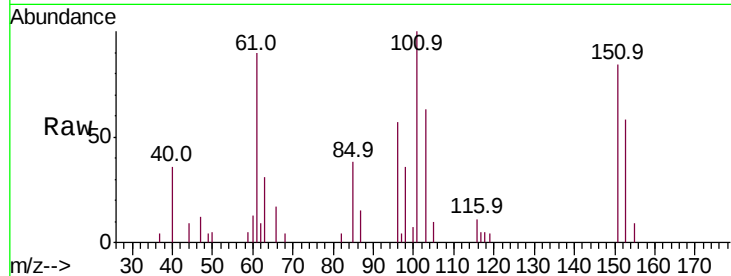
151 83.6 66.8 100.2

Manual Integrations

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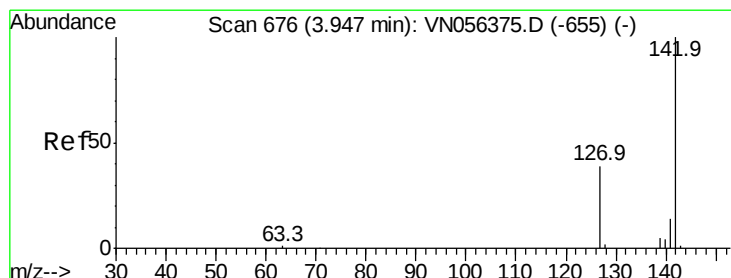
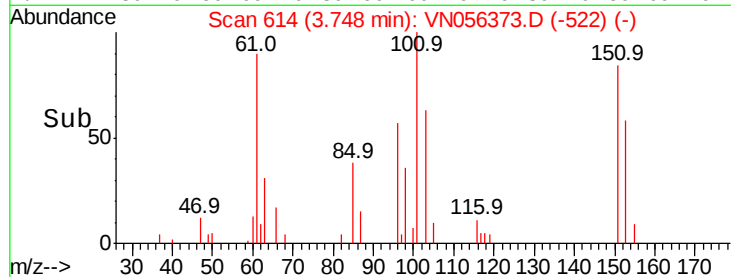
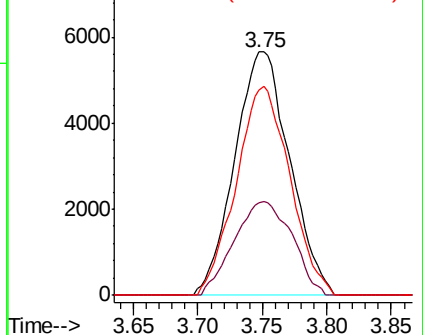
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.176 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

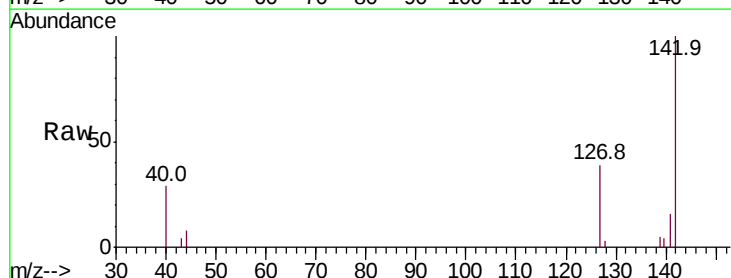
Tgt Ion:142 Resp: 18517

Ion Ratio Lower Upper

142 100

127 38.9 30.6 46.0

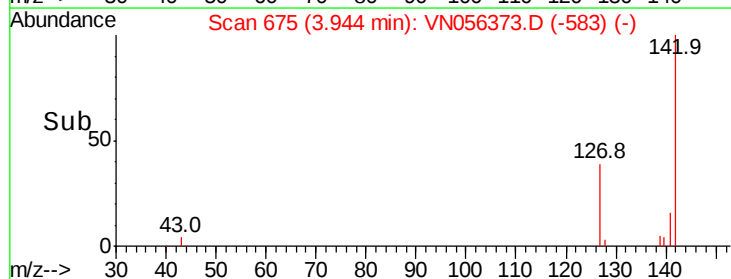
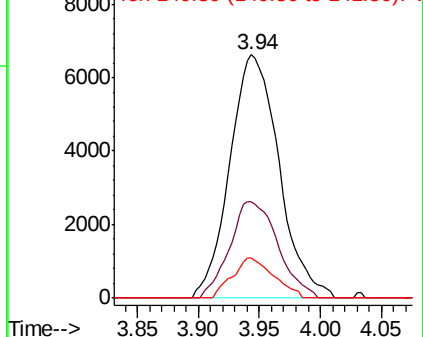
141 13.9 11.4 17.2

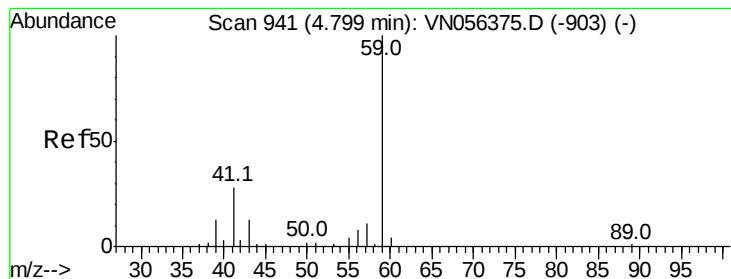


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

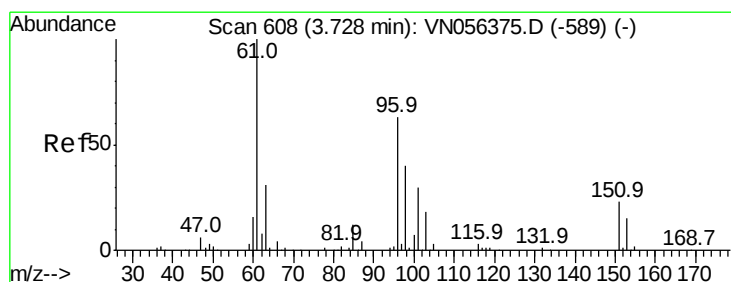
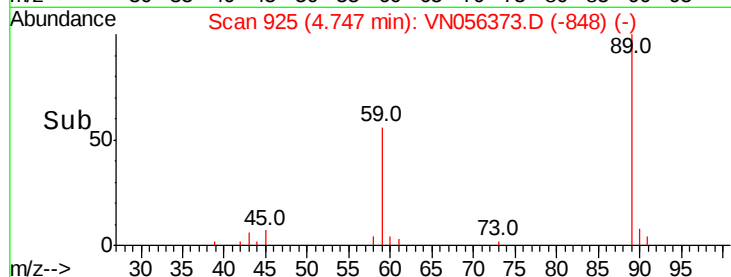
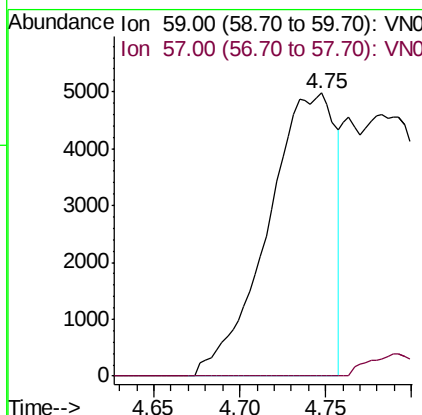
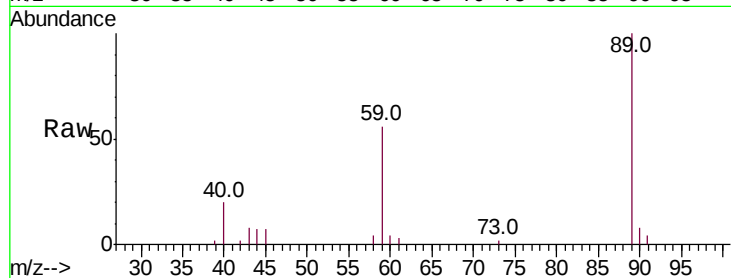
Tert butvl alcohol
 Concen: 21.195 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.05 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 13589
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

Manual Integrations
 APPROVED

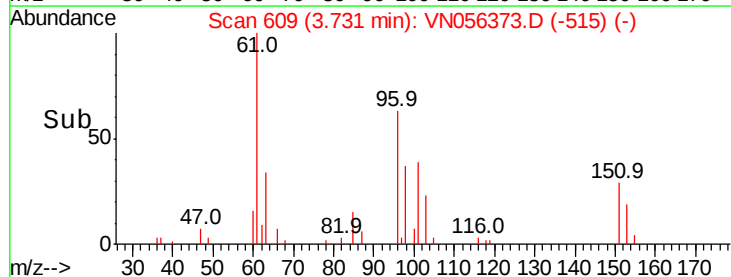
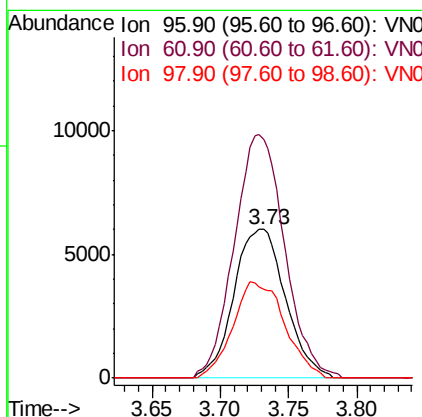
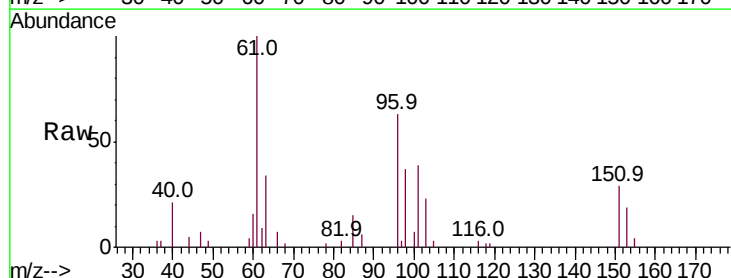
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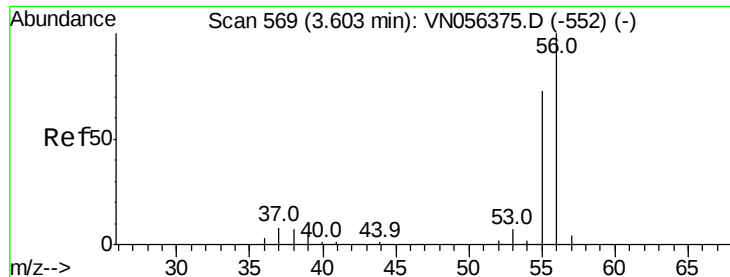


#12

1,1-Dichloroethene
 Concen: 4.754 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Tgt Ion: 96 Resp: 15795
 Ion Ratio Lower Upper
 96 100
 61 159.9 126.6 190.0
 98 59.5 51.1 76.7





#13

Acrolein

Concen: 55.347 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 13727

Ion Ratio Lower Upper

56 100

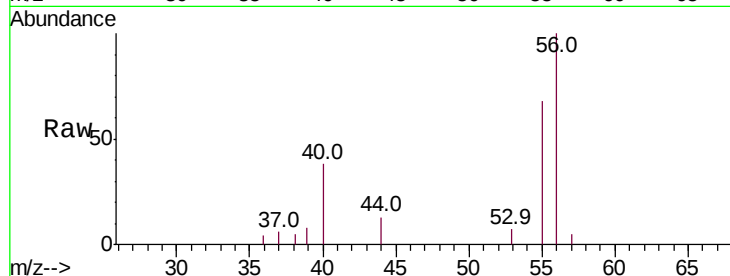
55 67.3 57.1 85.7

Manual Integrations

APPROVED

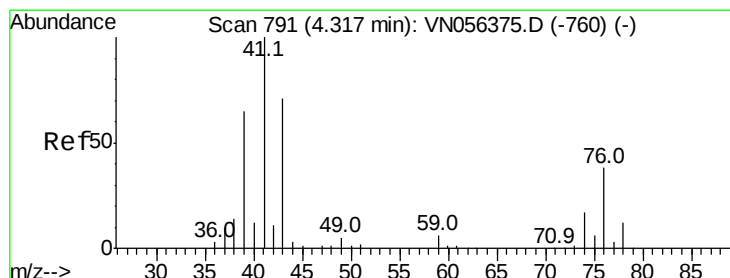
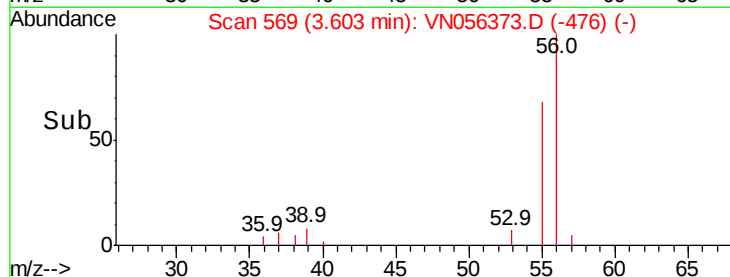
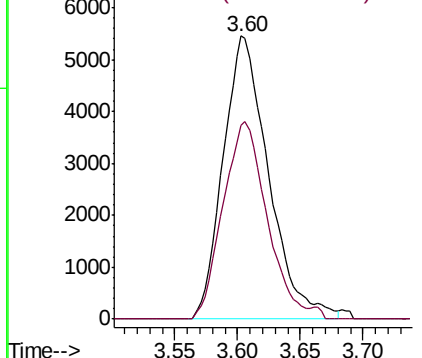
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.407 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

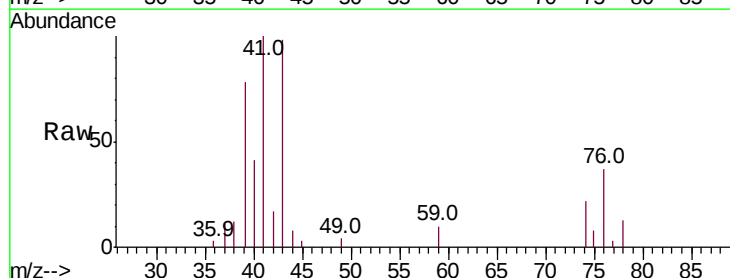
Tgt Ion: 41 Resp: 24507

Ion Ratio Lower Upper

41 100

39 66.1 48.6 73.0

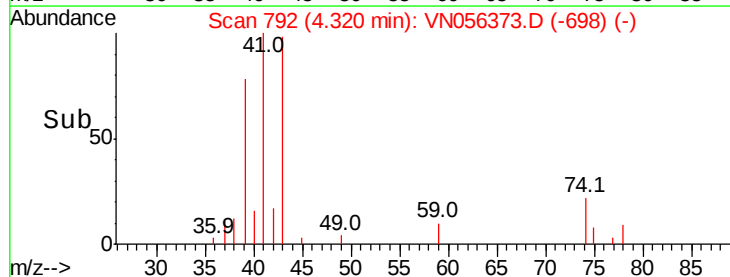
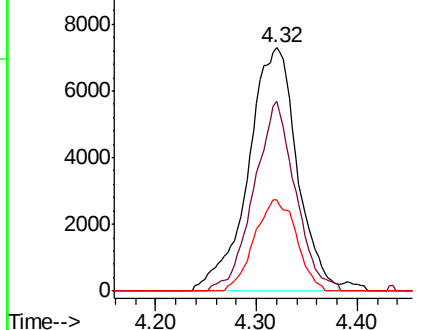
76 32.3 26.6 40.0

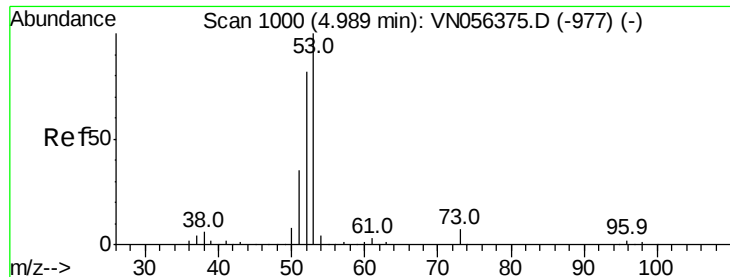


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





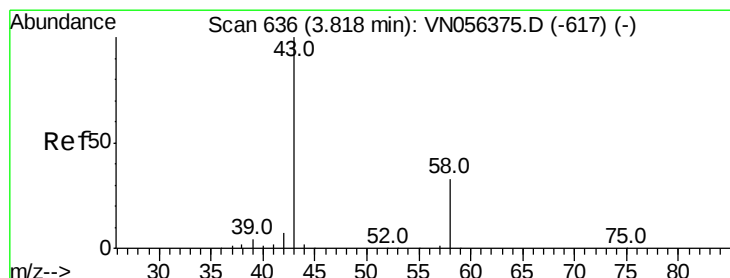
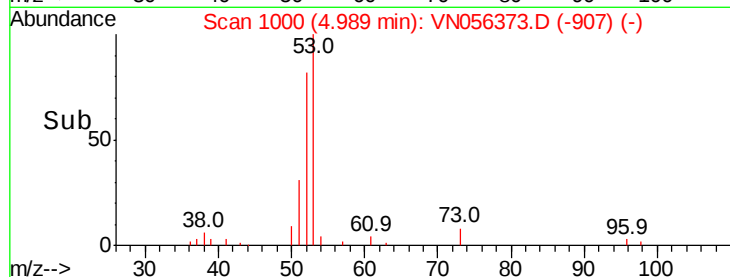
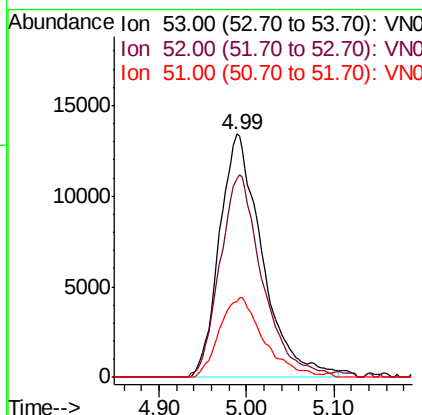
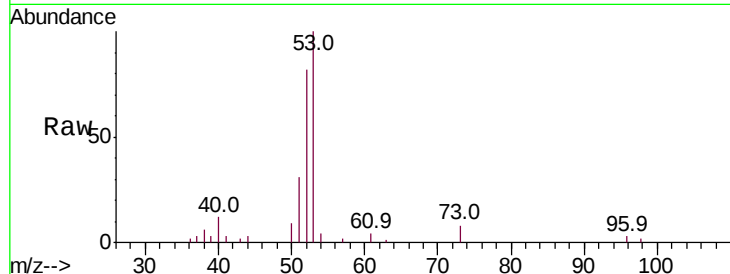
#15
 Acrylonitrile
 Concen: 24.957 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.9	98.9
51	34.0	28.3	42.5

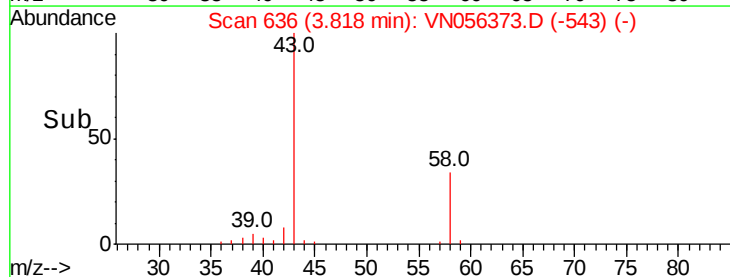
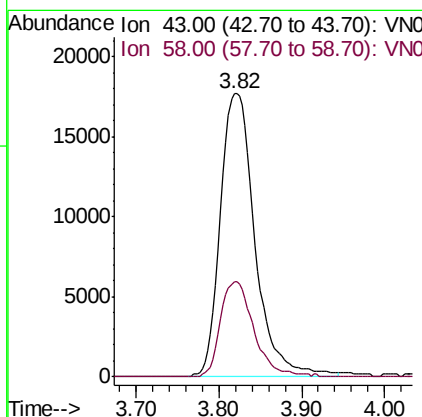
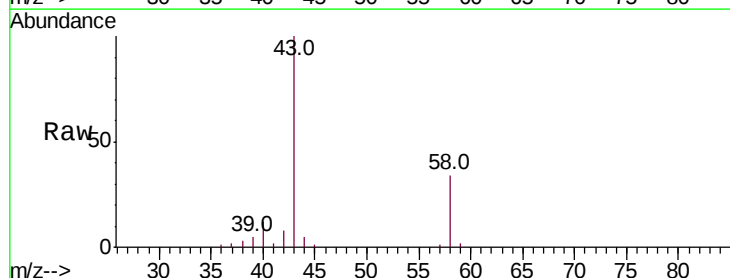
Manual Integrations
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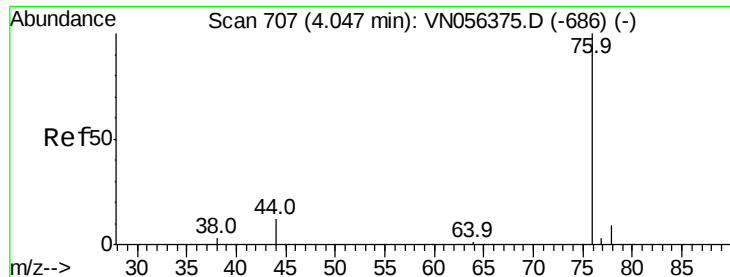
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#16
 Acetone
 Concen: 23.443 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.4	39.6





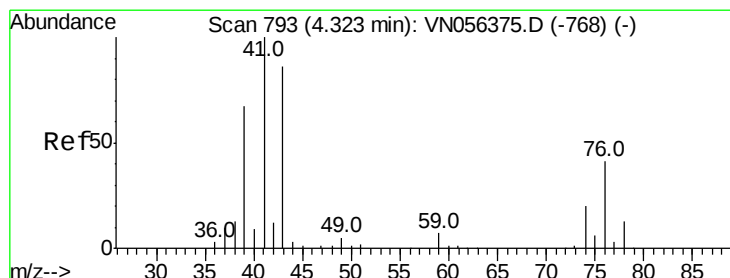
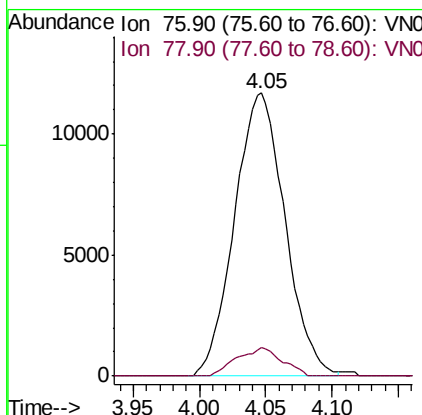
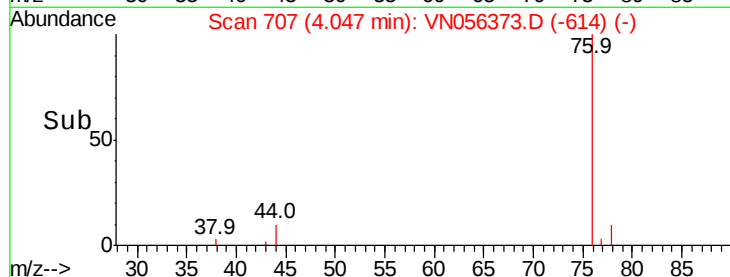
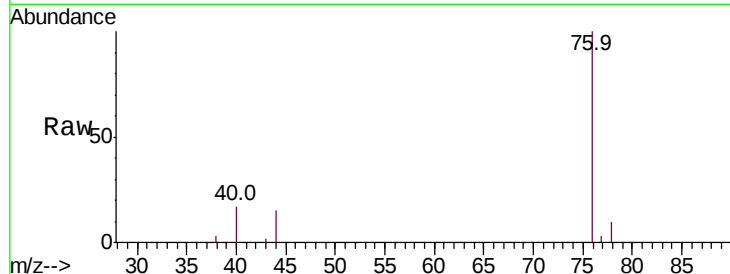
#17
Carbon Disulfide
Concen: 3.577 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 76 Resp: 31011
Ion Ratio Lower Upper
76 100
78 10.0 7.1 10.7

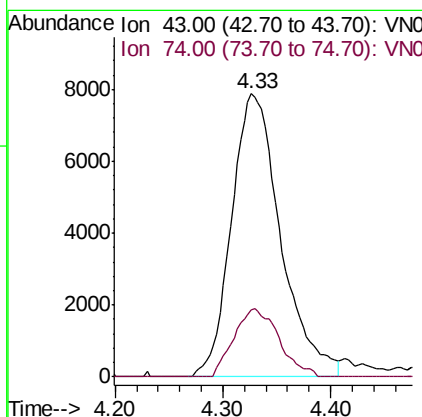
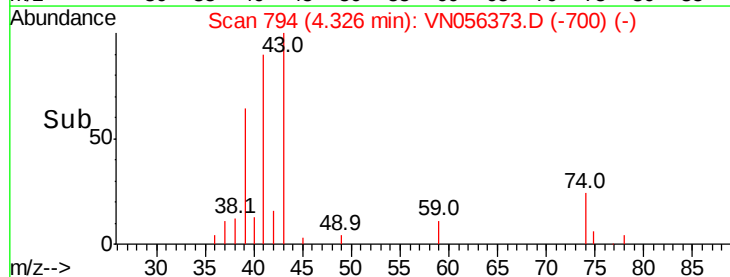
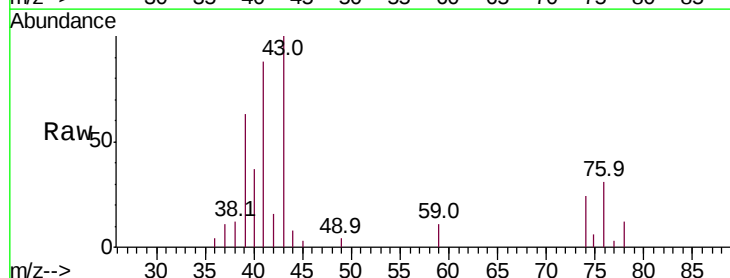
Manual Integrations
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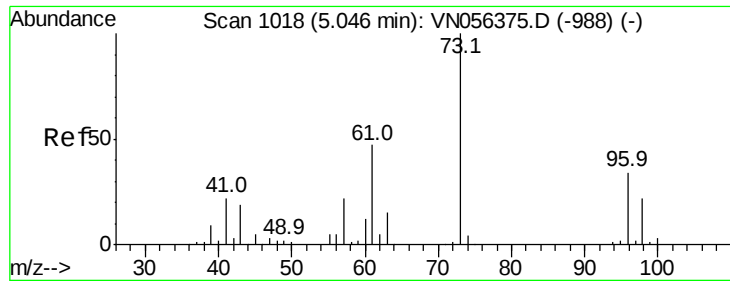
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#18
Methyl Acetate
Concen: 5.213 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion: 43 Resp: 25027
Ion Ratio Lower Upper
43 100
74 22.1 19.2 28.8





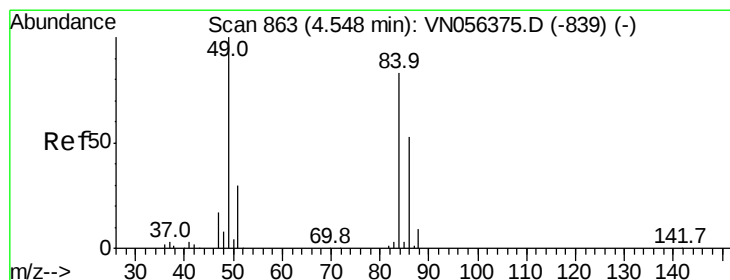
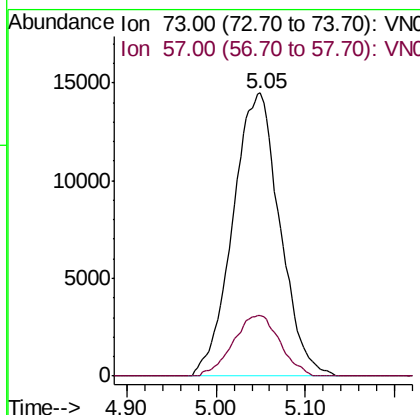
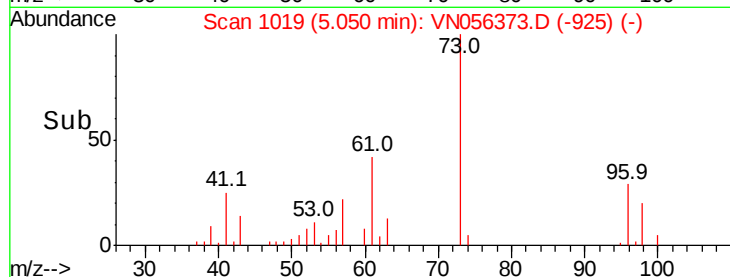
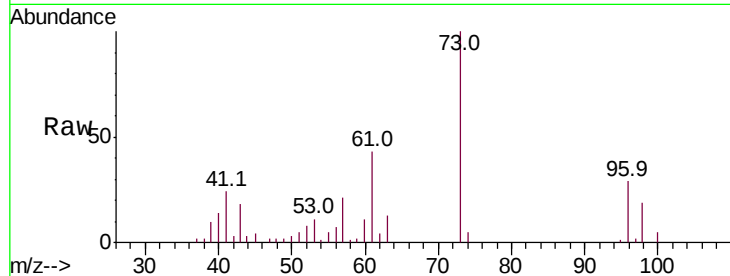
#19
Methvl tert-butvl Ether
Concen: 5.211 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 53174
Ion Ratio Lower Upper
73 100
57 21.3 17.9 26.9

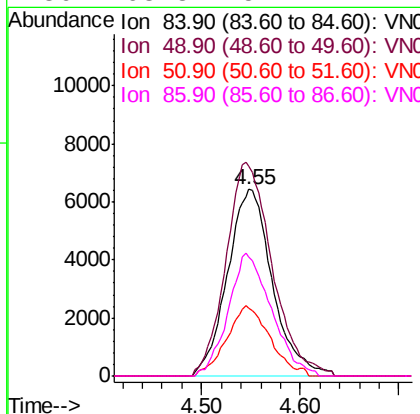
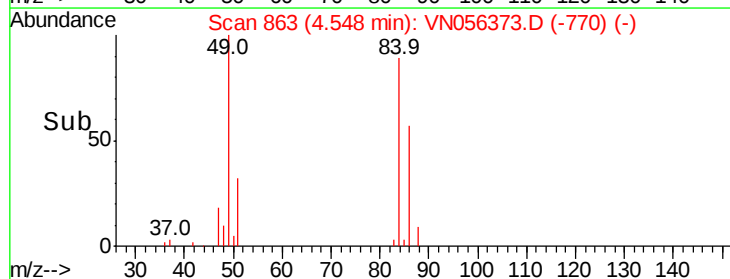
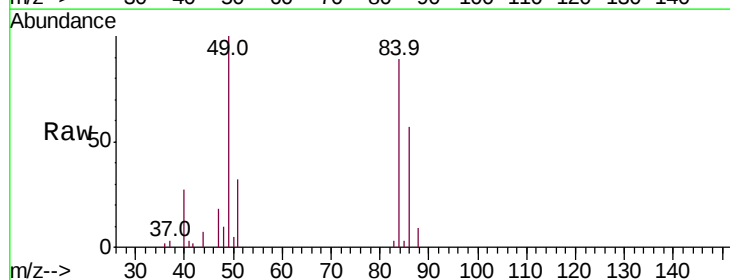
Manual Integrations
APPROVED

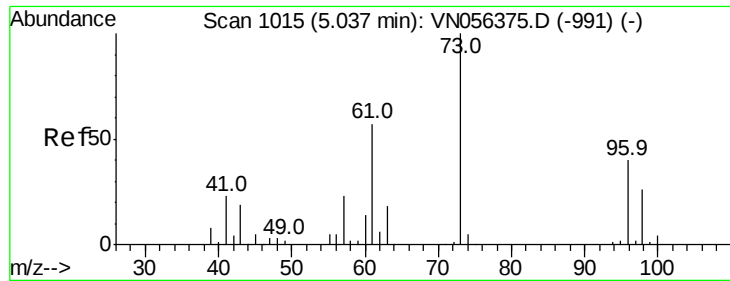
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#20
Methylene Chloride
Concen: 5.160 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion: 84 Resp: 20349
Ion Ratio Lower Upper
84 100
49 112.5 96.4 144.6
51 36.5 28.6 43.0
86 63.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 4.728 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 96 Resp: 16689

Ion Ratio Lower Upper

96 100

61 132.9 113.0 169.6

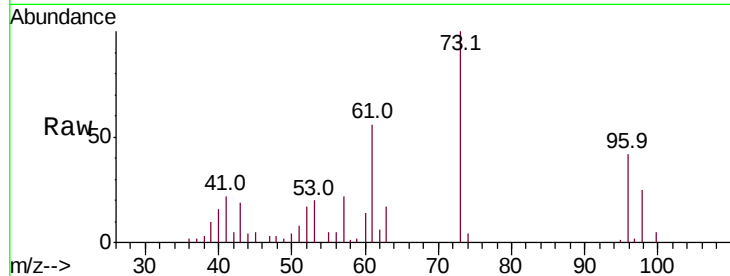
98 60.8 52.2 78.2

Manual Integrations

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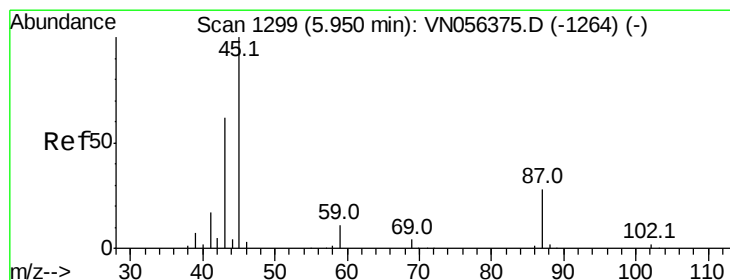
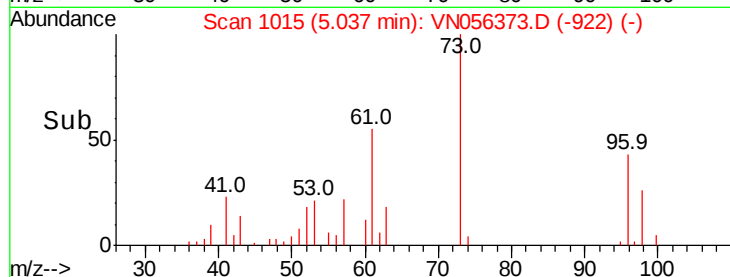
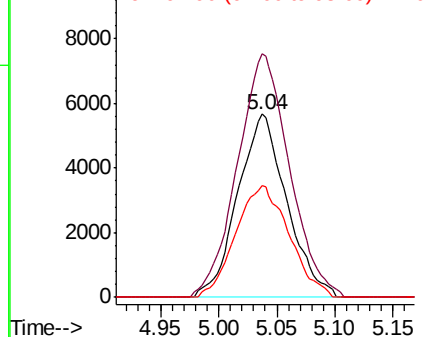


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 5.016 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Tgt Ion: 45 Resp: 55250

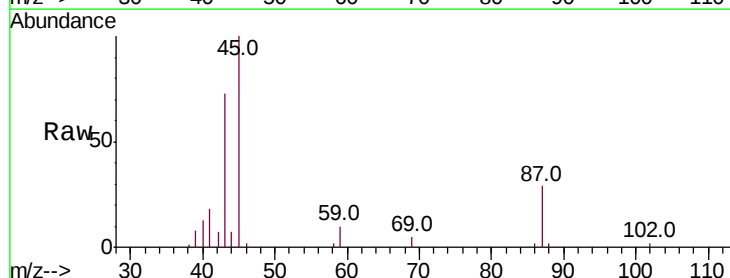
Ion Ratio Lower Upper

45 100

43 68.0 50.4 75.6

87 29.3 23.0 34.4

59 10.2 9.1 13.7



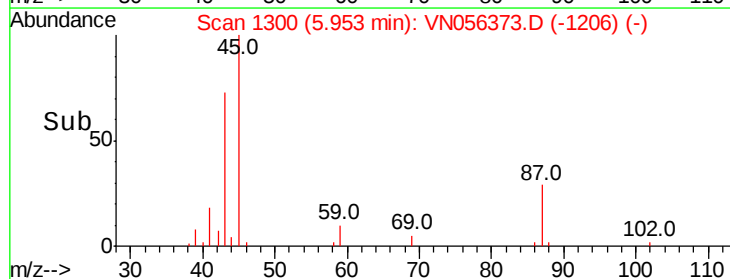
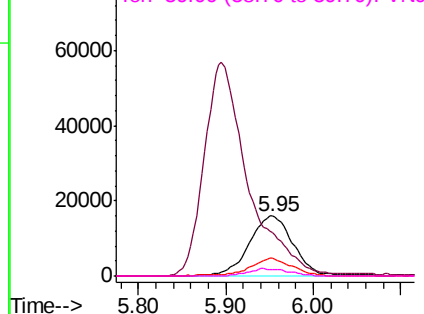
Abundance

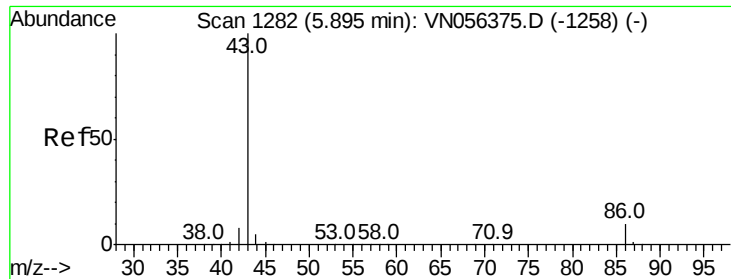
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 22.232 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 198850

Ion Ratio Lower Upper

43 100

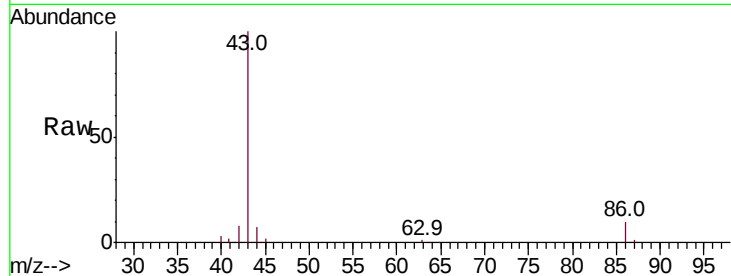
86 10.3 8.3 12.5

Manual Integrations

APPROVED

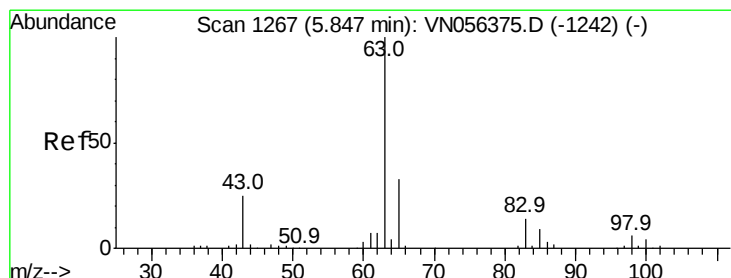
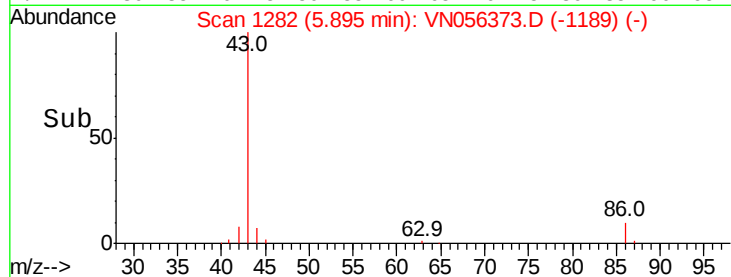
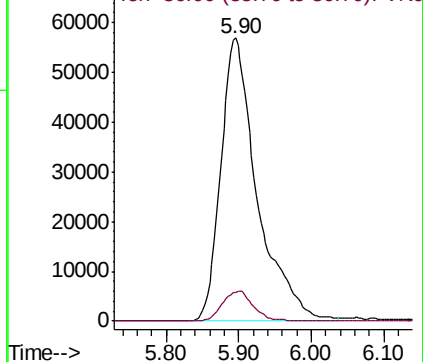
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.034 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

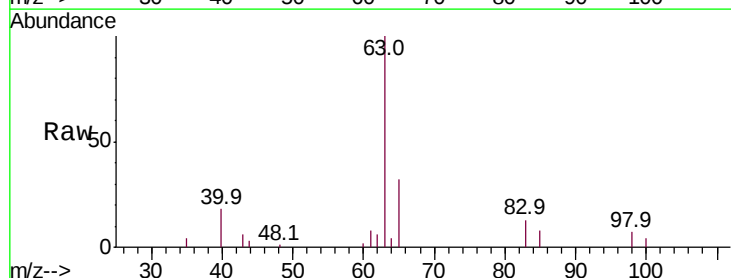
Tgt Ion: 63 Resp: 32408

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

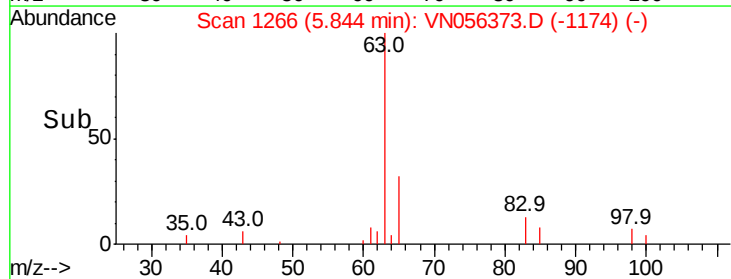
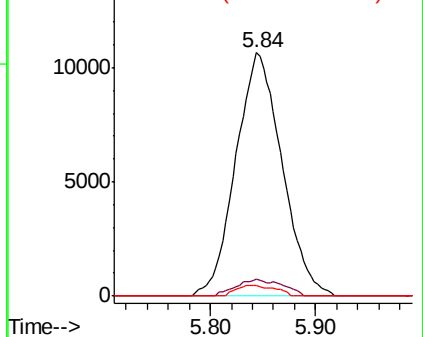
100 4.2 2.1 6.5

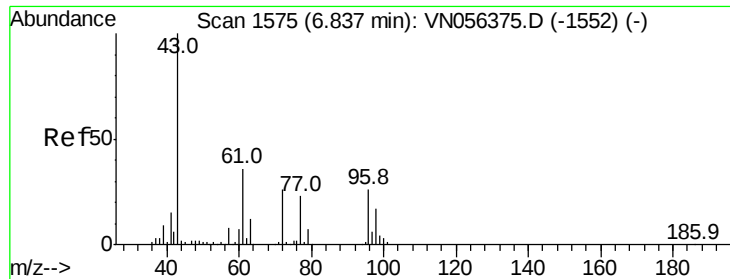


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 24.235 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 65298

Ion Ratio Lower Upper

43 100

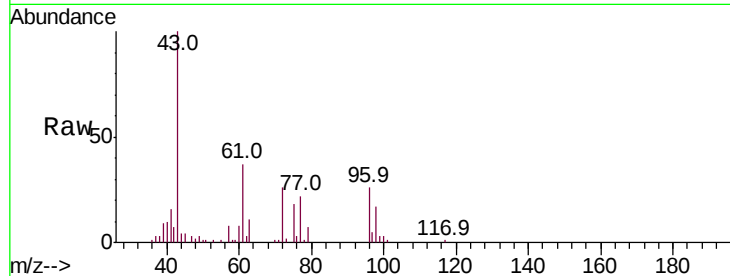
72 26.1 20.6 31.0

Manual Integrations

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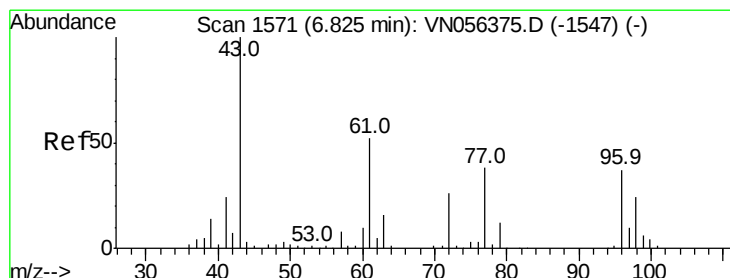
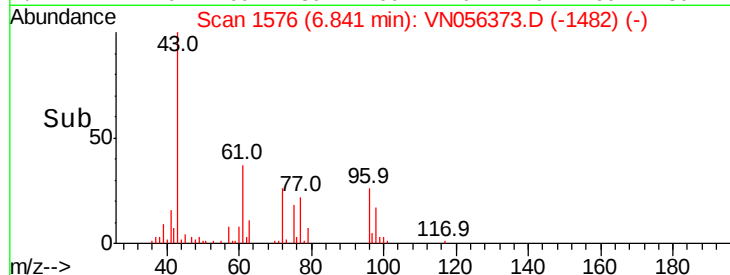
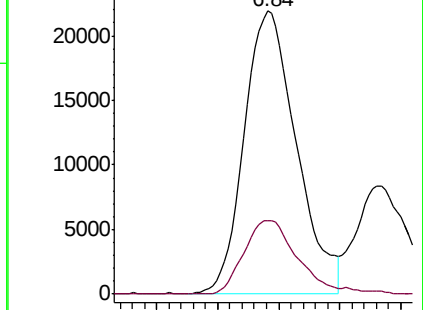
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Abundance Ion 43.00 (42.70 to 43.70): VN056373.D (-1552) (-)

Ion 72.00 (71.70 to 72.70): VN056373.D (-1552) (-)



#26

2,2-Dichloropropane

Concen: 4.537 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056373.D

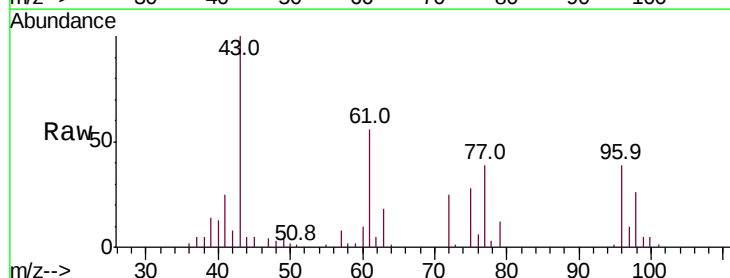
Acq: 19 Jun 2019 9:16

Tgt Ion: 77 Resp: 21062

Ion Ratio Lower Upper

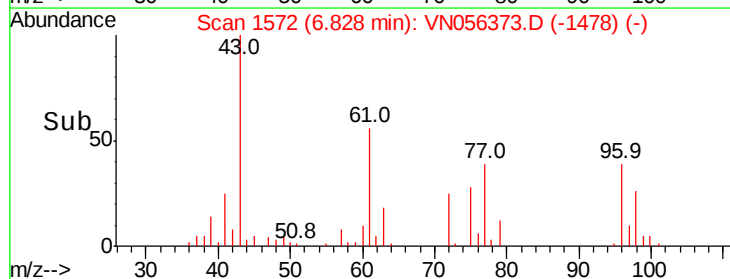
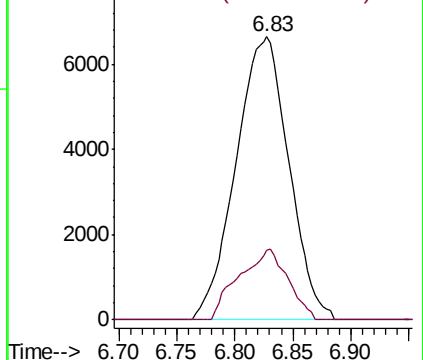
77 100

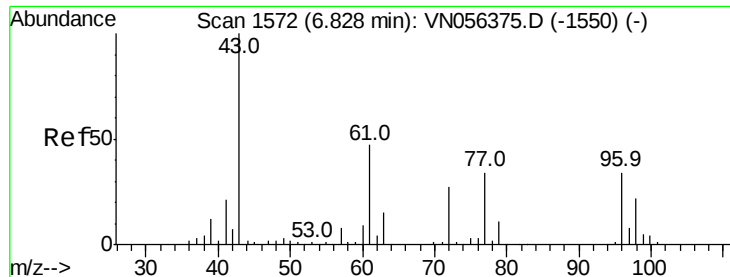
97 23.2 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN056373.D (-1478) (-)

Ion 96.90 (96.60 to 97.60): VN056373.D (-1478) (-)





#27

cis-1,2-Dichloroethene

Concen: 4.798 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 19682

Ion Ratio Lower Upper

96 100

61 143.8 0.0 279.8

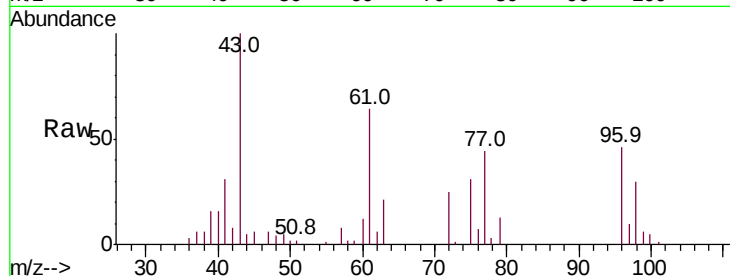
98 69.2 0.0 130.0

Manual Integrations

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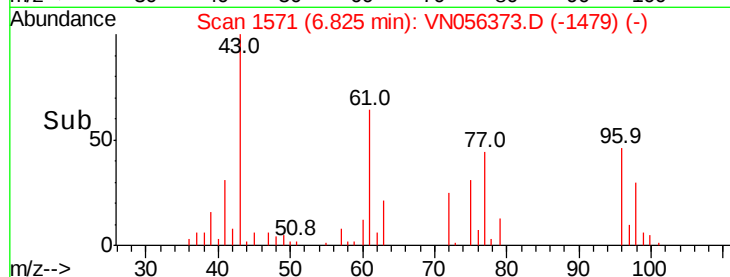


Abundance Ion 95.90 (95.60 to 96.60): VN056373.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN056373.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN056373.D (-1550) (-)

Time-->

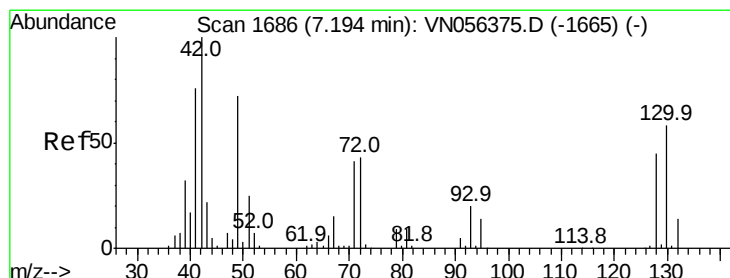


Abundance Ion 95.90 (95.60 to 96.60): VN056373.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN056373.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN056373.D (-1479) (-)

Time-->



#28

Bromochloromethane

Concen: 4.606 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

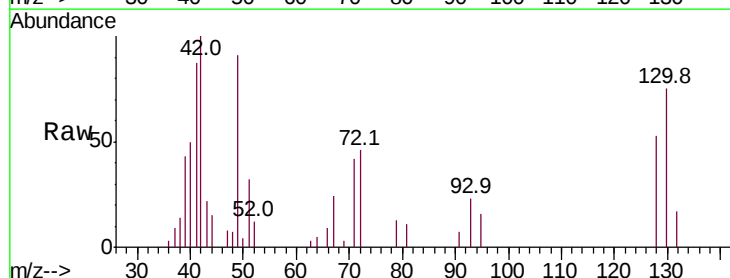
Tgt Ion: 49 Resp: 14843

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 85.1 64.9 97.3

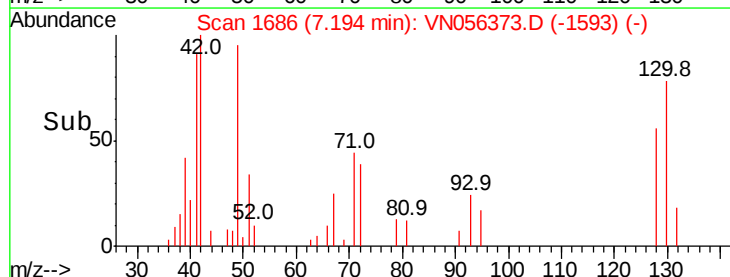


Abundance Ion 48.90 (48.60 to 49.60): VN056373.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN056373.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN056373.D (-1665) (-)

Time-->

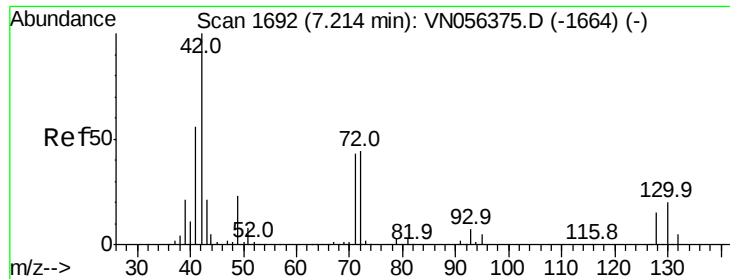


Abundance Ion 48.90 (48.60 to 49.60): VN056373.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN056373.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN056373.D (-1593) (-)

Time-->



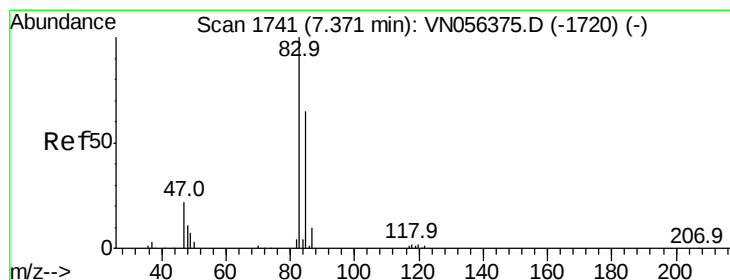
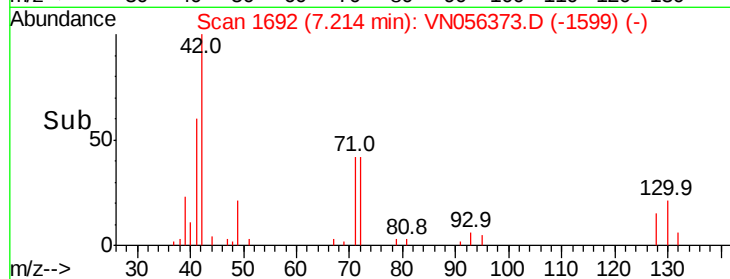
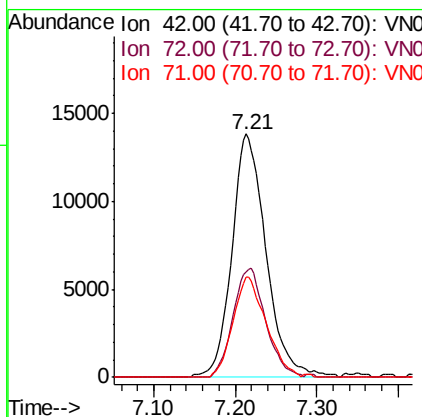
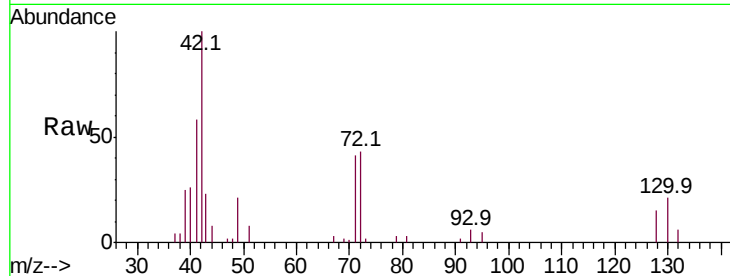
#29
Tetrahydrofuran
Concen: 24.977 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.7	52.1
71	39.9	33.0	49.6

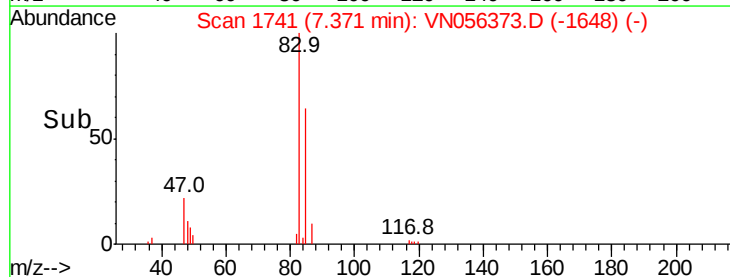
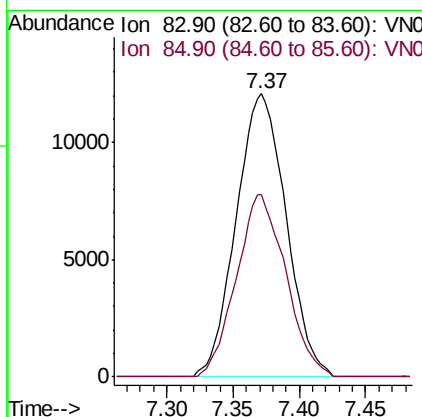
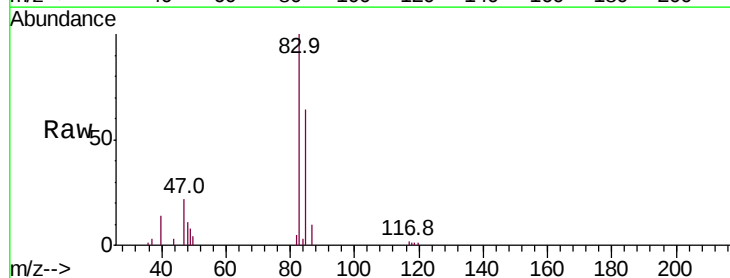
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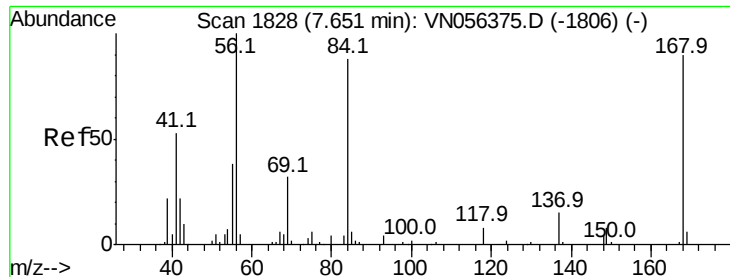
MMDadoda
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#30
Chloroform
Concen: 4.946 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.3	78.5





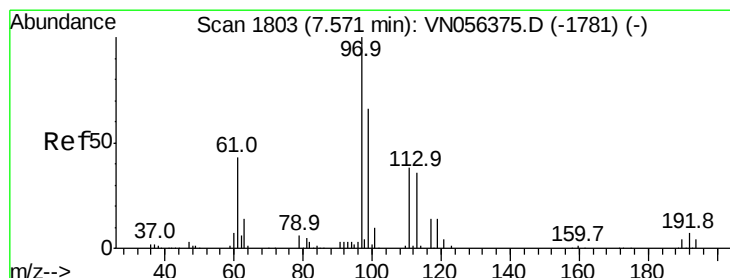
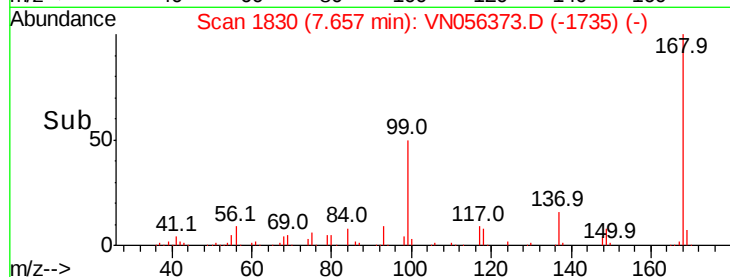
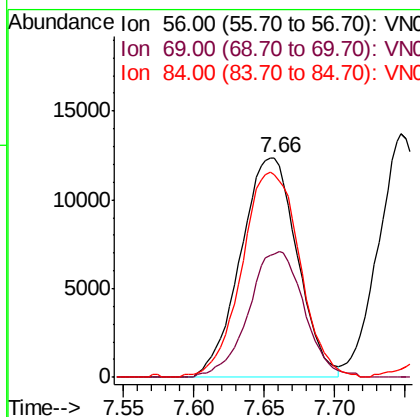
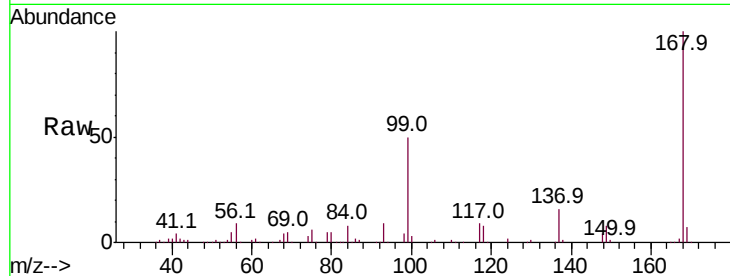
#31
Cyclohexane
Concen: 5.596 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	55.9	25.8	38.6#
84	90.8	69.4	104.0

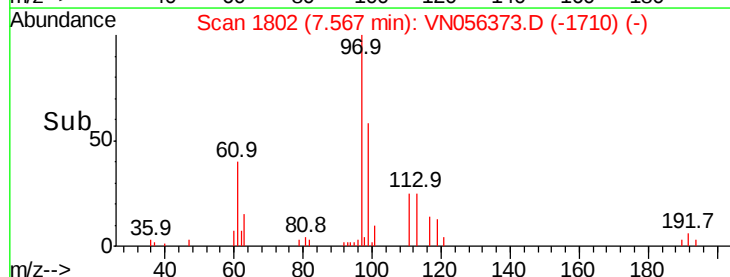
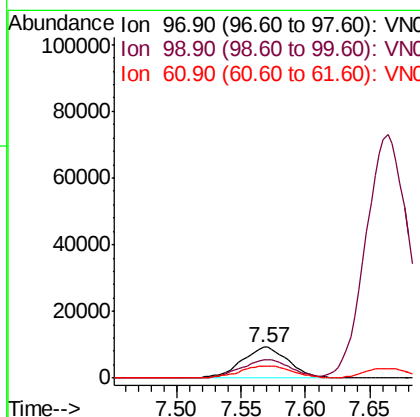
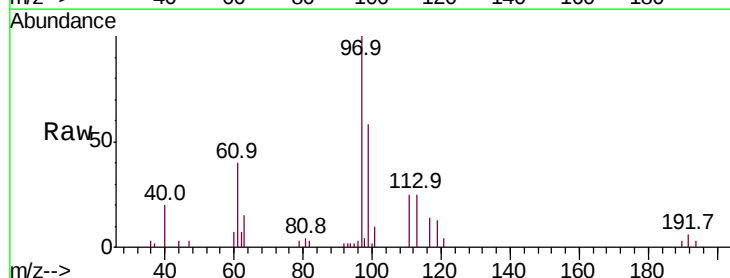
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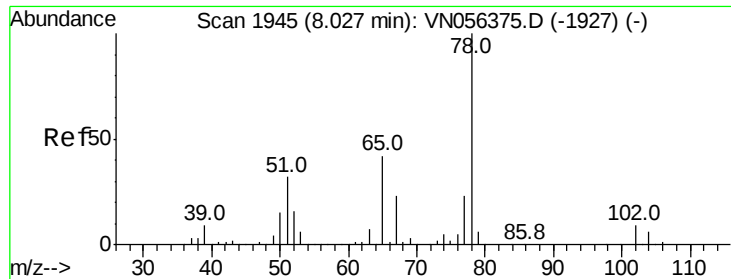
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#32
1,1,1-Trichloroethane
Concen: 4.426 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	44.5	33.9	50.9





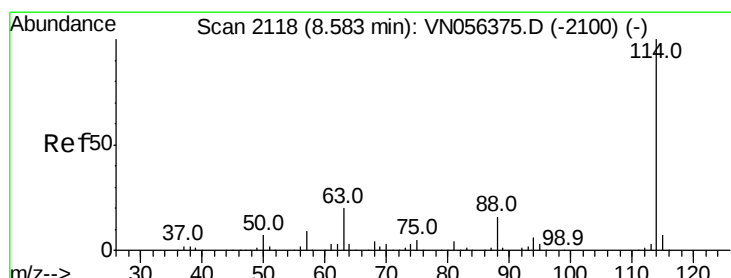
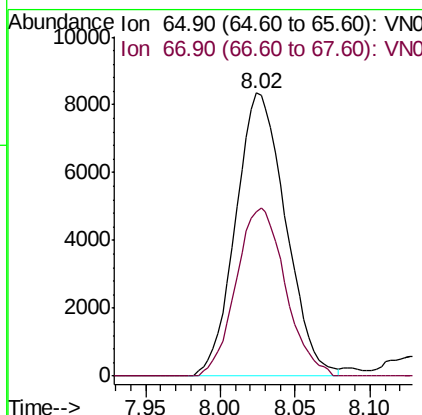
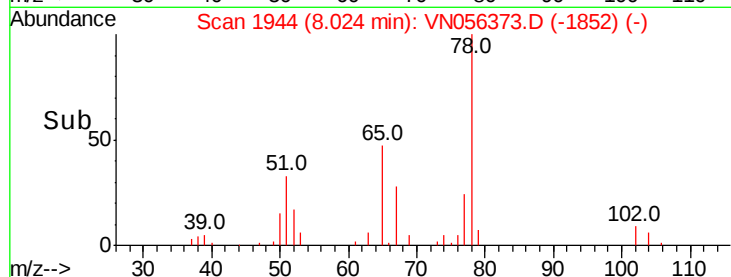
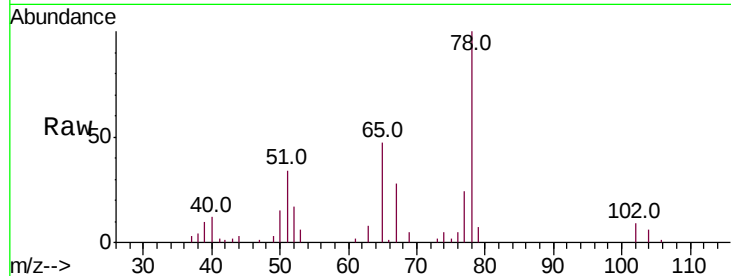
#33
 1,2-Dichloroethane-d4
 Concen: 4.783 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	19418		
67	58.5	0.0	109.0	

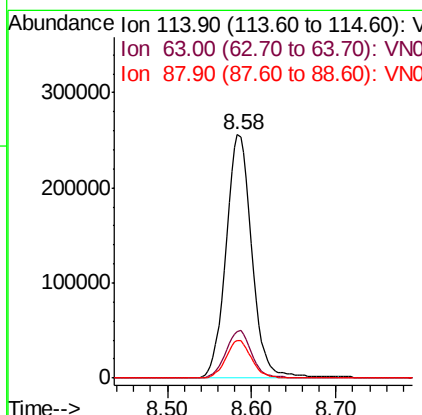
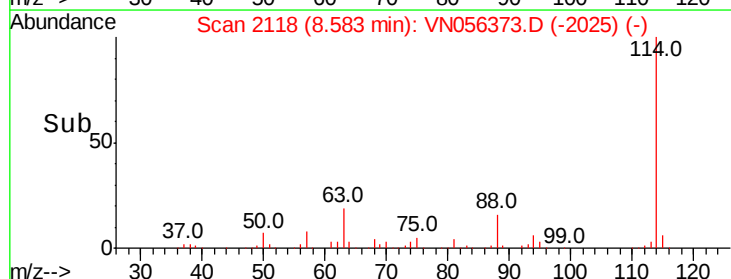
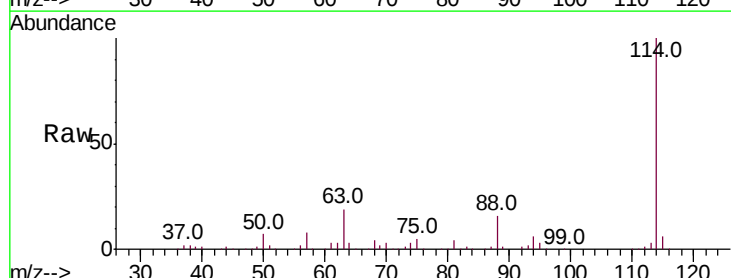
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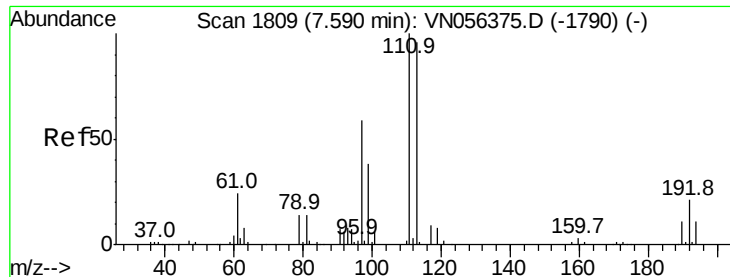
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	545860		
63	19.3	0.0	39.2	
88	15.7	0.0	31.4	





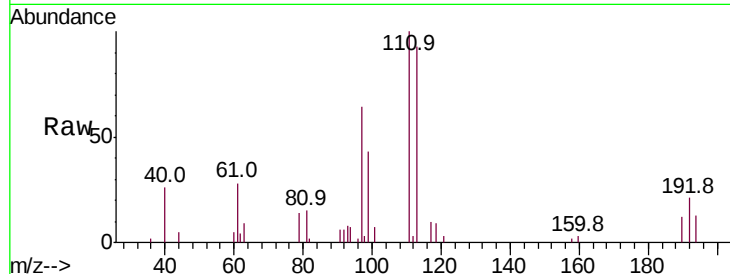
#35
 Dibromofluoromethane
 Concen: 4.565 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

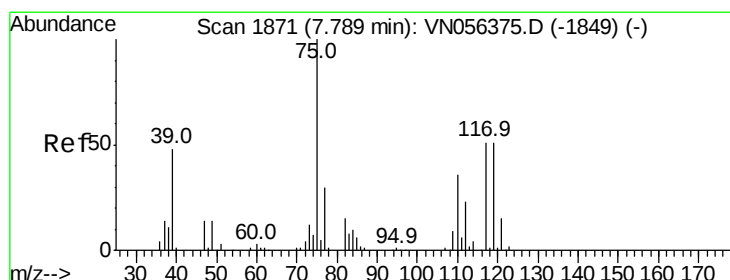
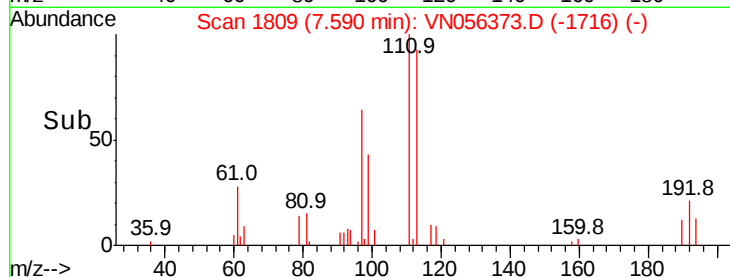
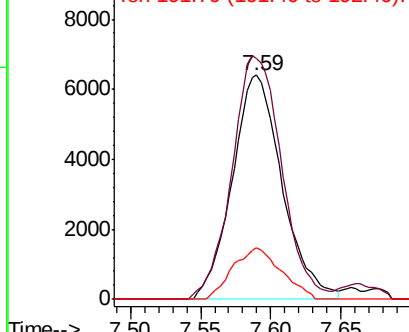
Tot Ion	Ratio	Lower	Upper
113	100		
111	107.9	82.9	124.3
192	22.3	17.7	26.5

Manual Integrations
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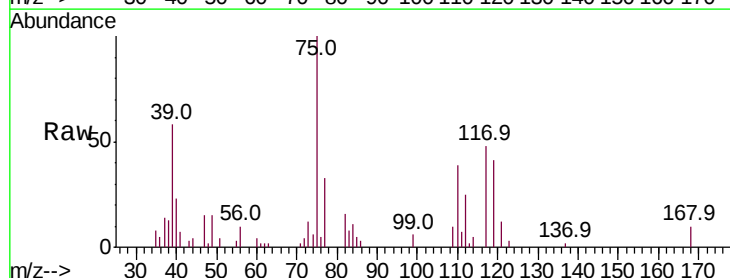


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

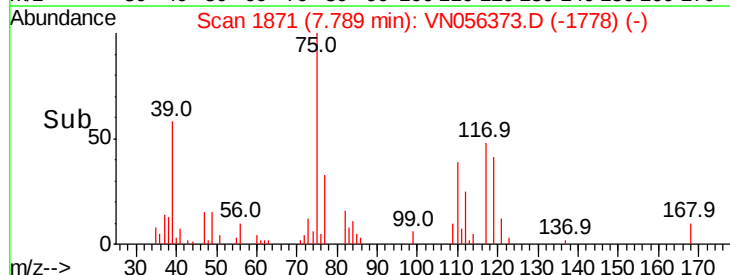
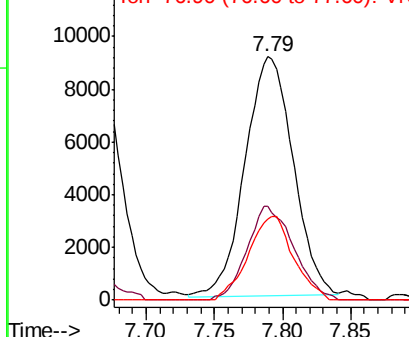


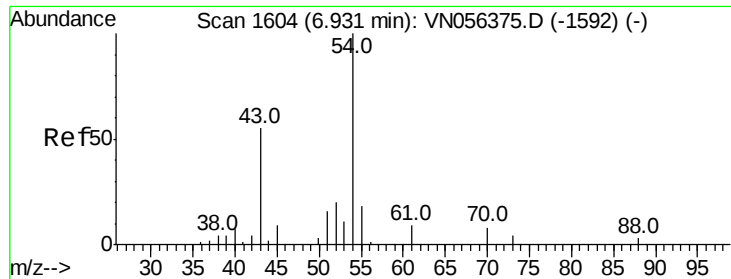
#36
 1,1-Dichloropropene
 Concen: 4.561 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.1	54.3
77	32.9	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





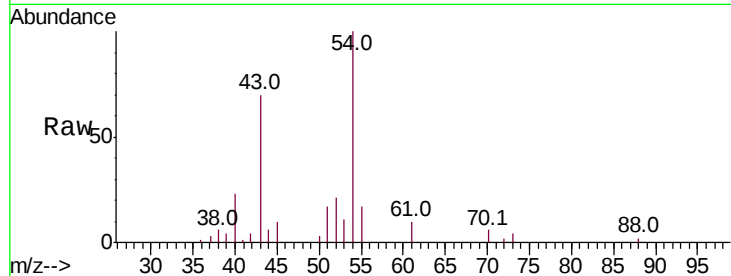
#37
Ethyl Acetate
Concen: 4.984 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.1	16.7
70	9.6	8.3	12.5

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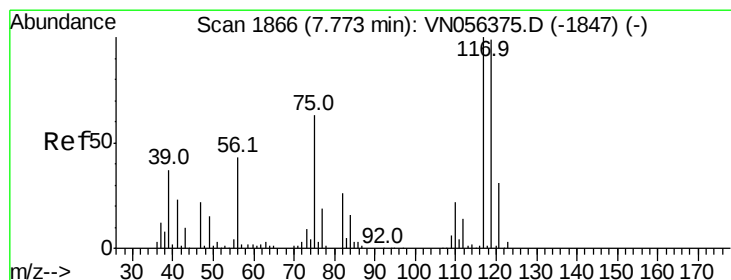
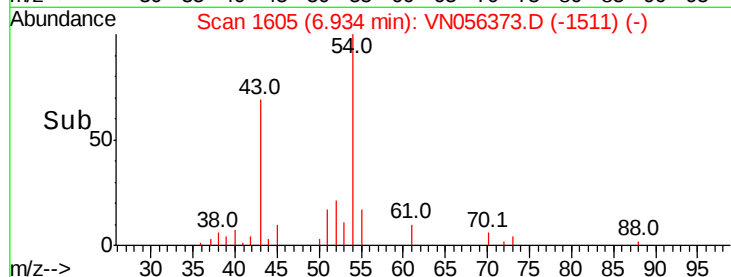
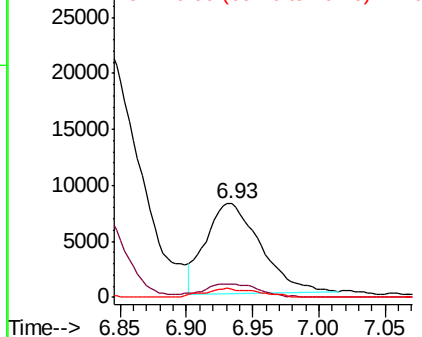


Abundance

Ion 43.00 (42.70 to 43.70): VN056373.D (-1592) (-)

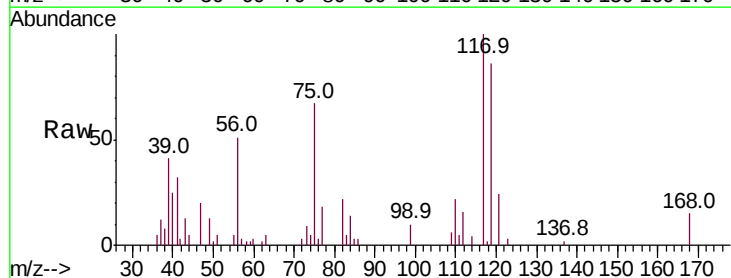
Ion 60.90 (60.60 to 61.60): VN056373.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN056373.D (-1592) (-)



#38
Carbon Tetrachloride
Concen: 4.479 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.7	79.1	118.7
121	24.2	24.8	37.2#

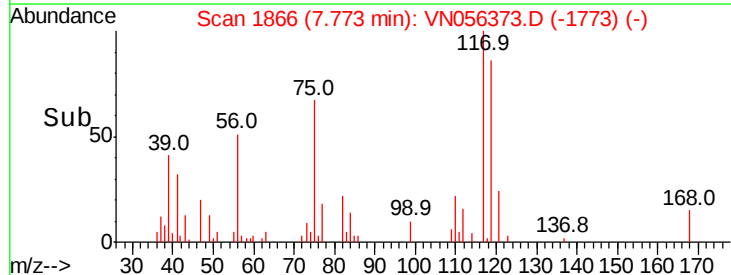
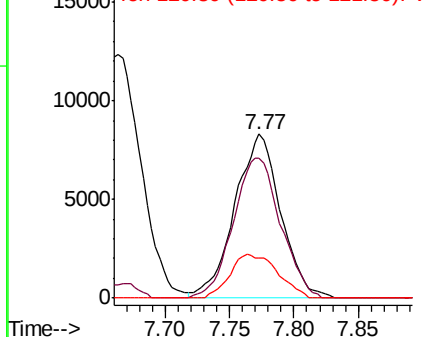


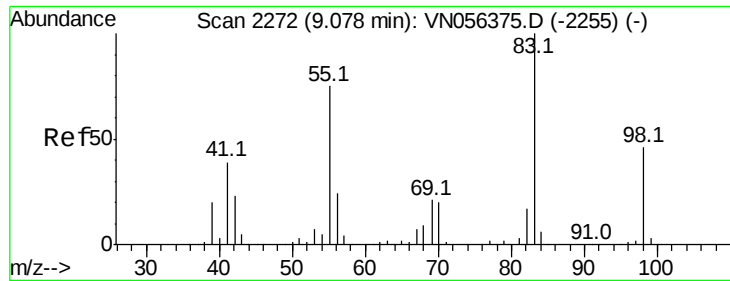
Abundance

Ion 116.80 (116.50 to 117.50): VN056373.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN056373.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN056373.D (-1773) (-)





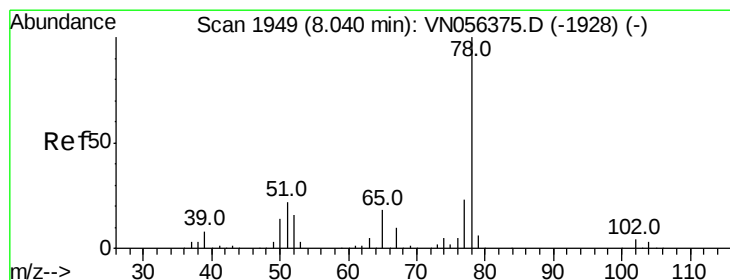
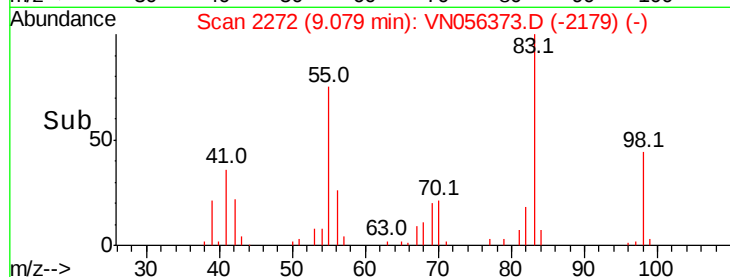
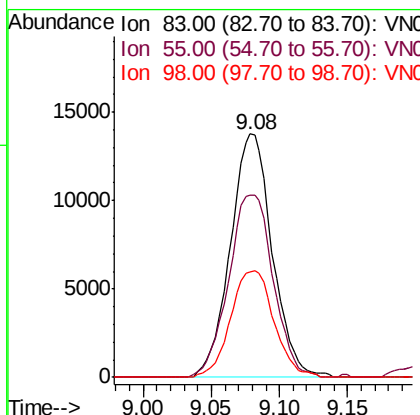
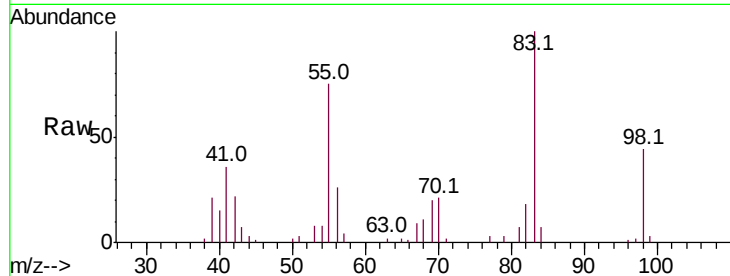
#39
Methvlcvclohexane
Concen: 4.951 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	60.0	90.0
98	43.5	36.6	54.8

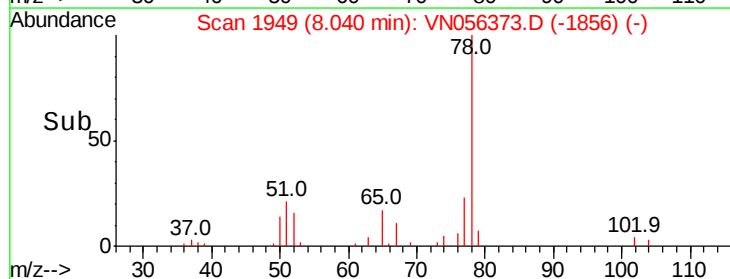
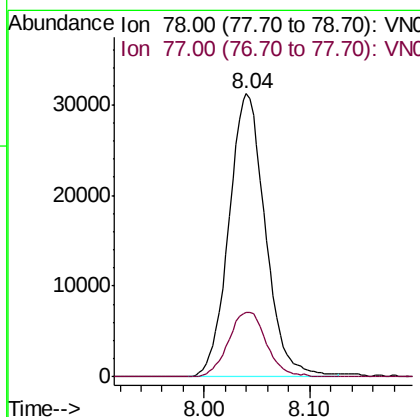
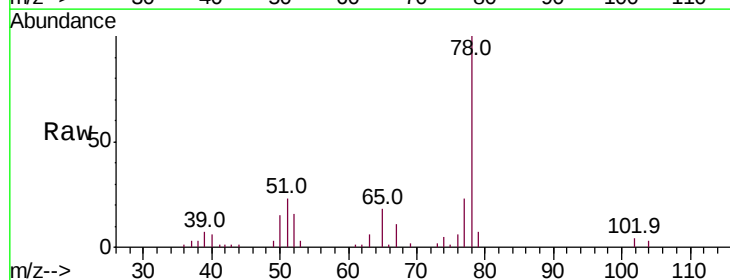
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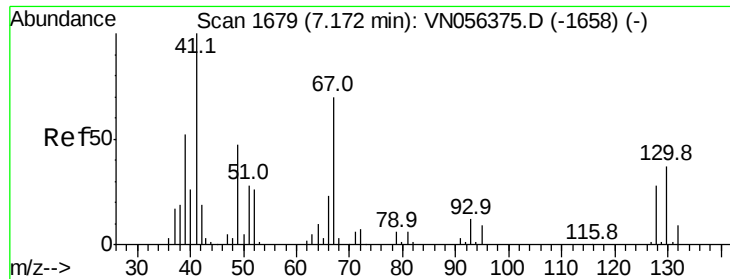
MMDadoda
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#40
Benzene
Concen: 5.066 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5





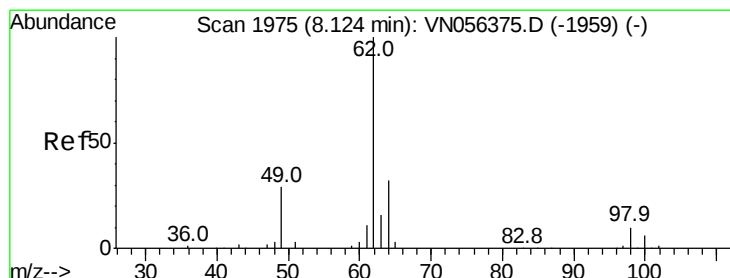
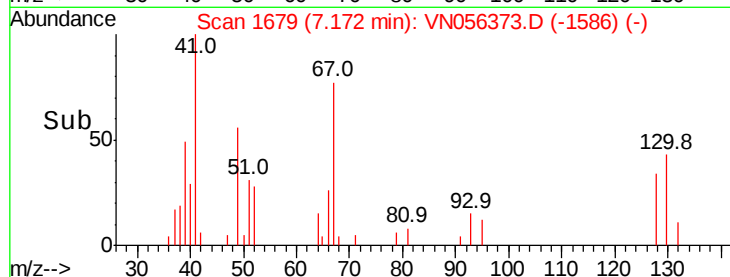
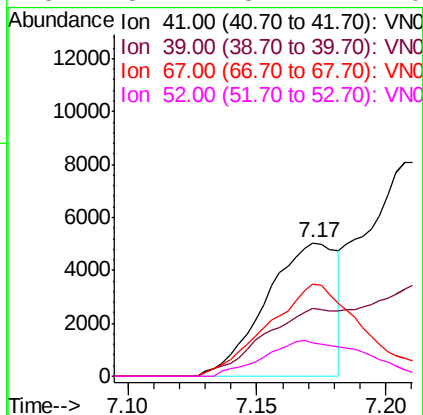
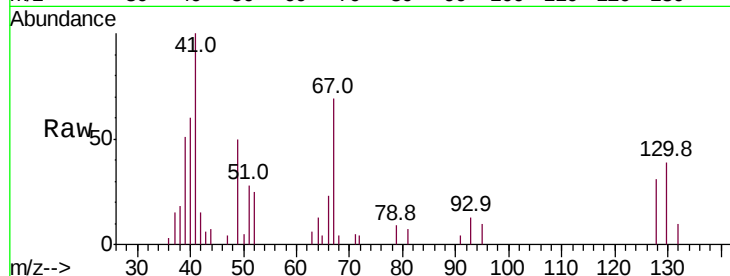
#41
Methacrylonitrile
Concen: 4.629 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 41 Resp: 9608
Ion Ratio Lower Upper
41 100
39 47.8 55.3 82.9#
67 94.5 79.2 118.8
52 37.7 31.4 47.0

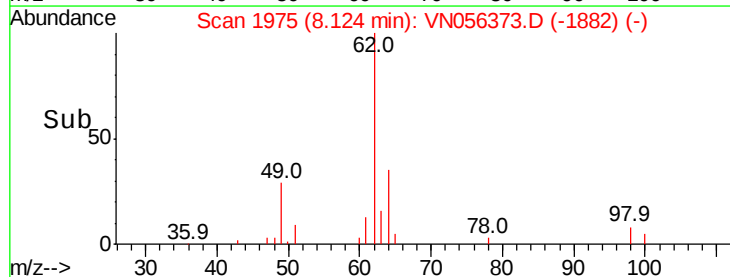
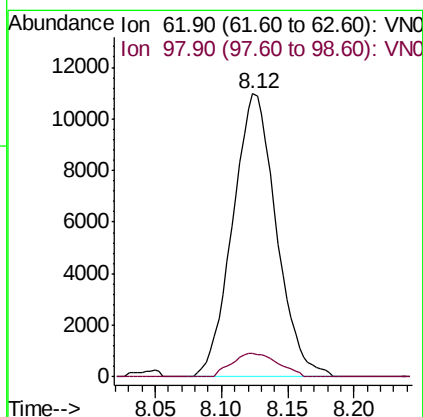
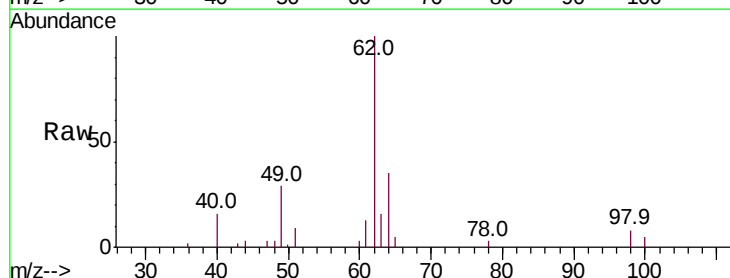
Manual Integrations
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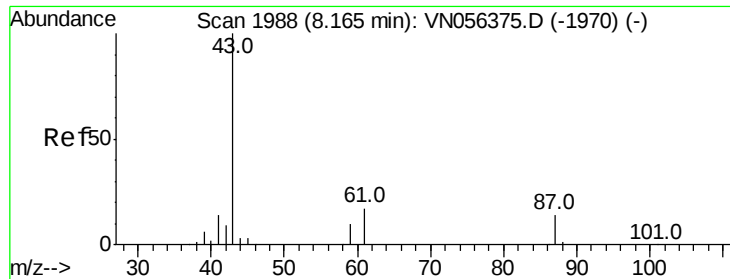
MMDadoda
6/21/2019 10:52:03 PM



#42
1,2-Dichloroethane
Concen: 5.193 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion: 62 Resp: 25100
Ion Ratio Lower Upper
62 100
98 8.9 0.0 19.4





#43

Isopropyl Acetate

Concen: 4.559 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

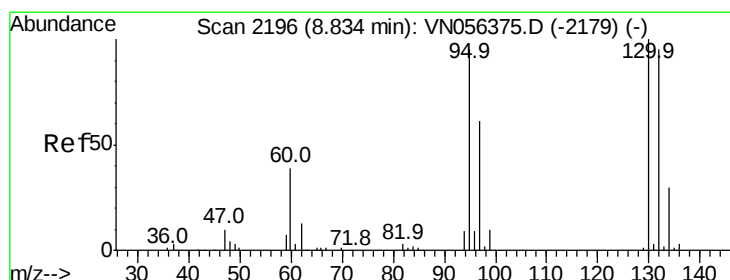
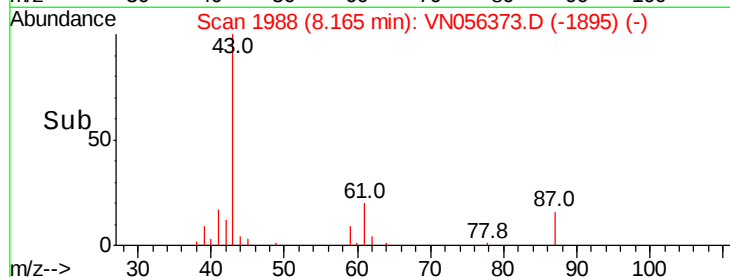
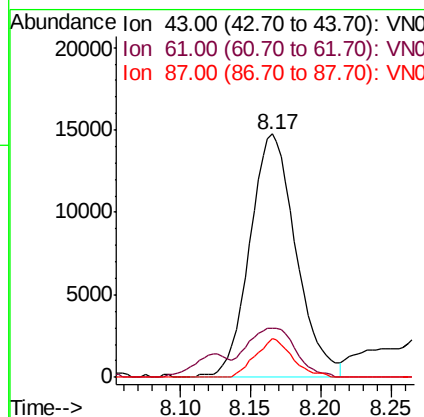
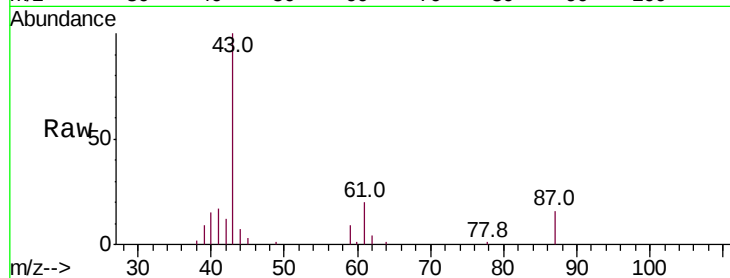
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	33744
Ion Ratio	Lower	Upper	
43	100		
61	21.4	22.0	33.0#
87	12.8	11.0	16.4

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#44

Trichloroethene

Concen: 5.026 ug/l

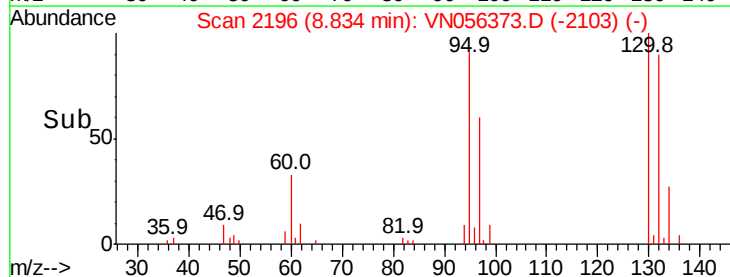
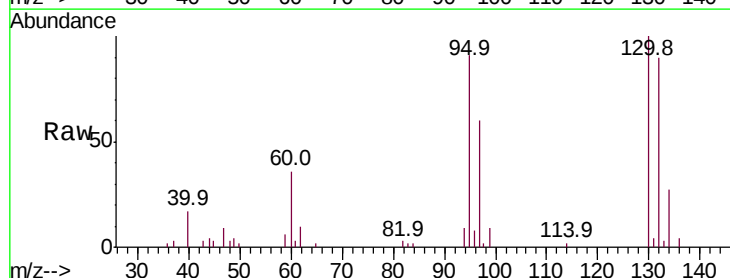
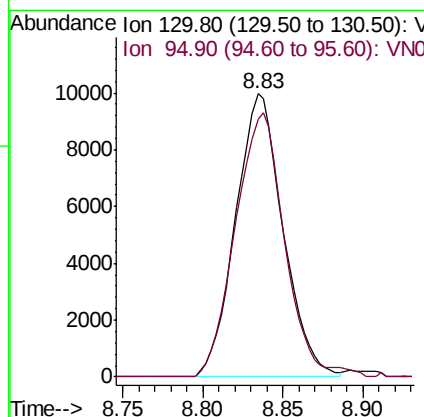
RT: 8.83 min Scan# 2196

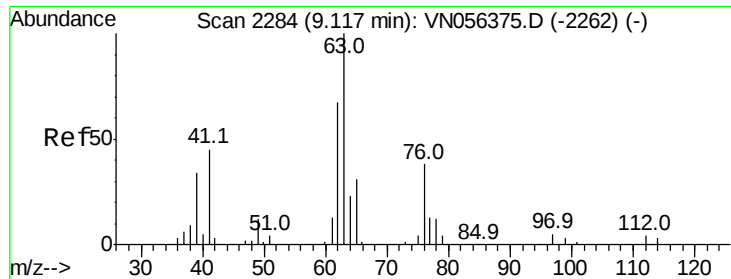
Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Tgt Ion:	130	Resp:	20206
Ion Ratio	Lower	Upper	
130	100		
95	91.1	0.0	191.0





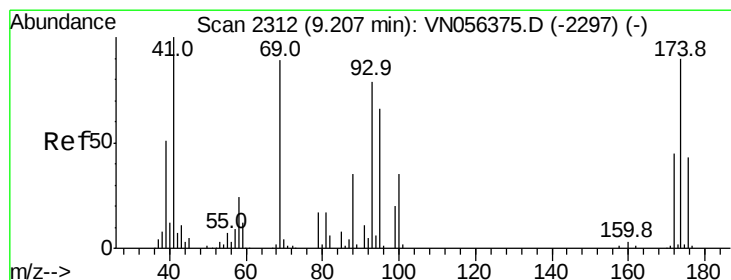
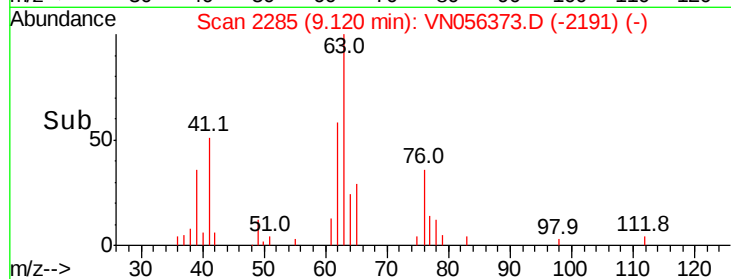
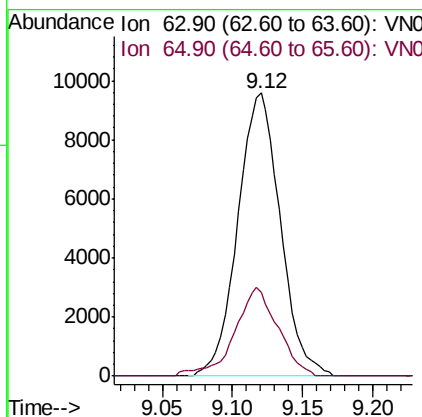
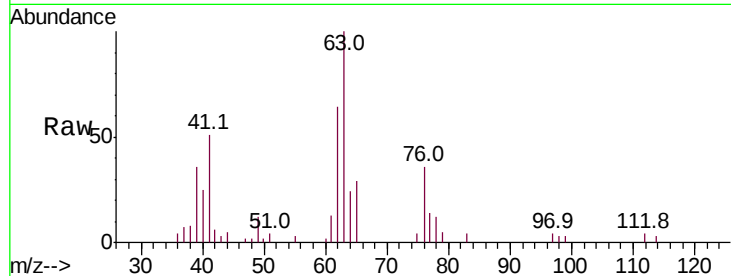
#45
 1,2-Dichloropropane
 Concen: 5.190 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Tot Ion: 63 Resp: 20274
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.0 37.6

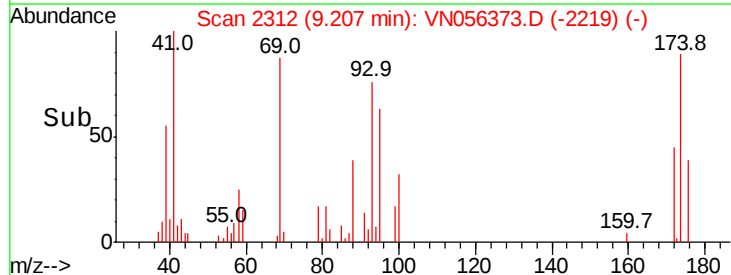
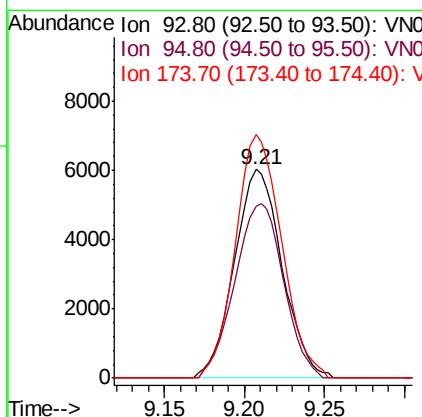
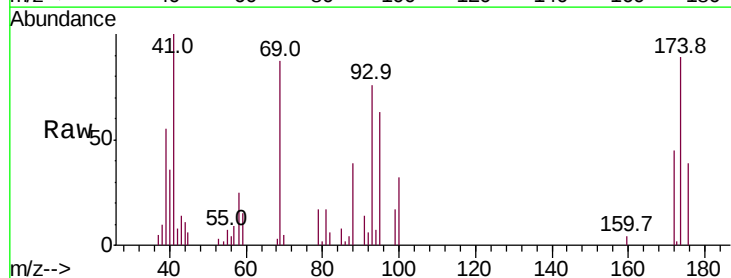
Manual Integrations
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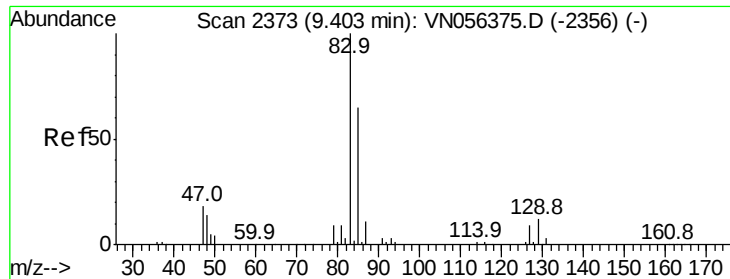
MMDadoda
 6/21/2019 10:52:03 PM



#46
 Dibromomethane
 Concen: 4.749 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Tgt Ion: 93 Resp: 12270
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.2 99.2
 174 113.1 90.8 136.2





#47

Bromodichloromethane

Concen: 4.157 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

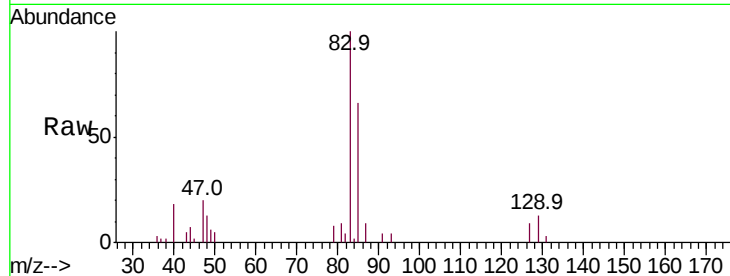
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	20349
Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.2	78.4
127	9.1	7.3	10.9

Manual Integrations
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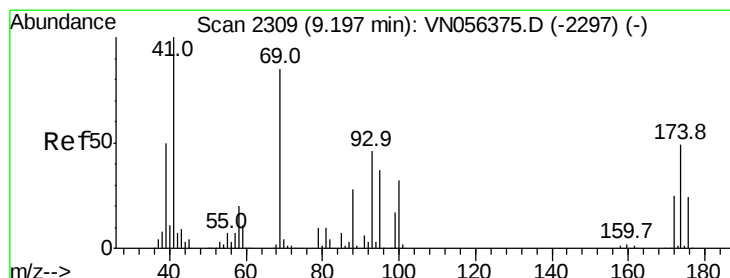
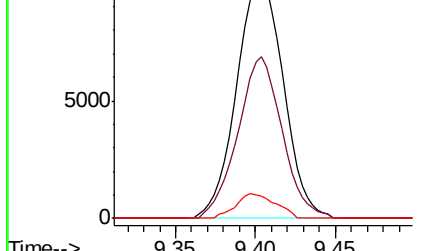
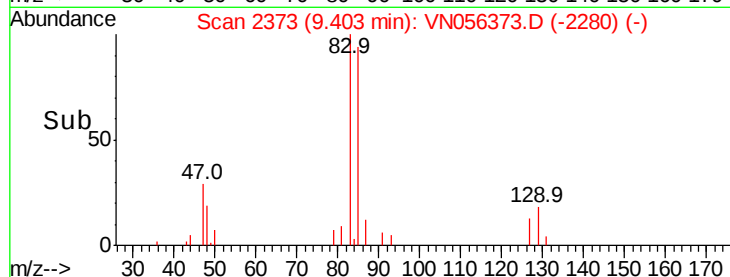


Abundance Ion 82.90 (82.60 to 83.60): VN056373.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN056373.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN056373.D (-2356) (-)

Time-->



#48

Methyl methacrylate

Concen: 4.667 ug/l

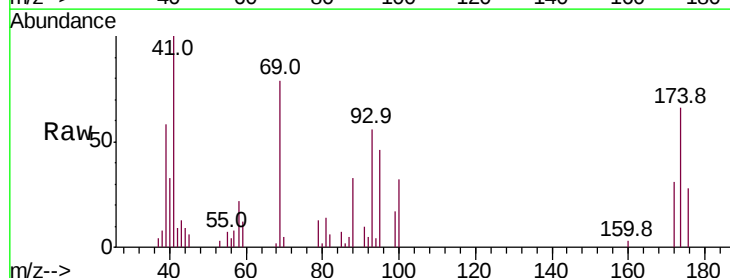
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Tgt Ion:	41	Resp:	17303
Ion	Ratio	Lower	Upper
41	100		
69	86.0	72.6	109.0
39	57.9	42.6	63.8

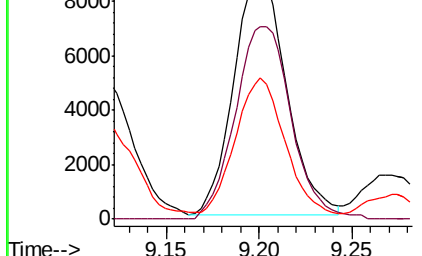
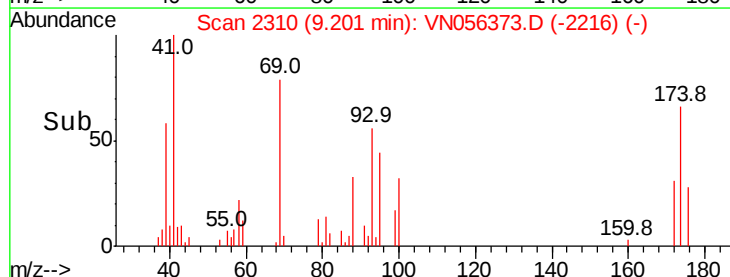


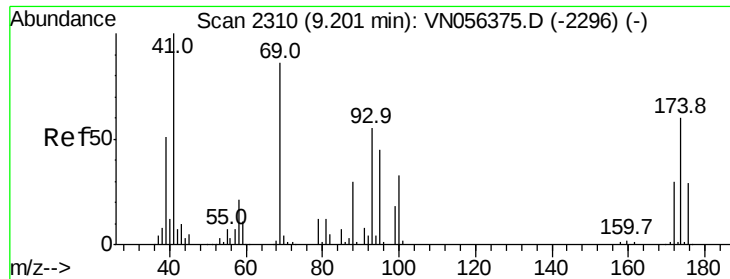
Abundance Ion 41.00 (40.70 to 41.70): VN056373.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056373.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056373.D (-2216) (-)

Time-->





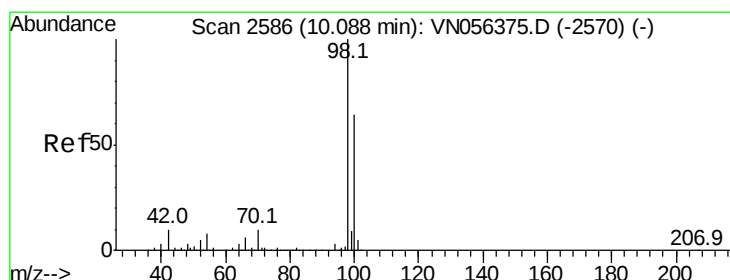
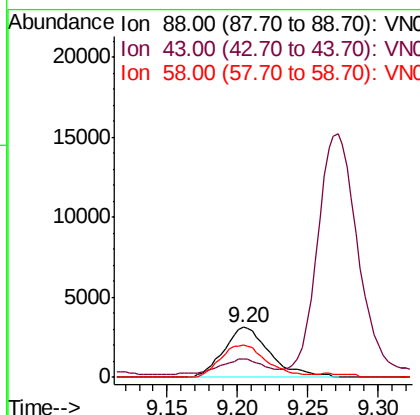
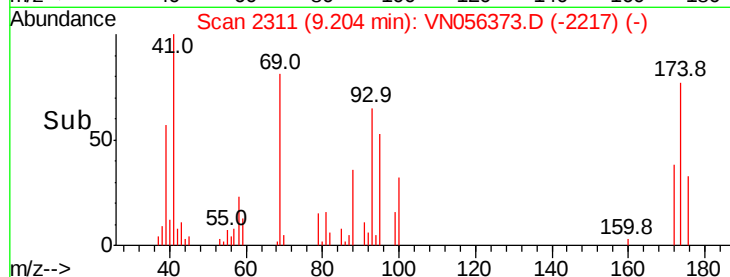
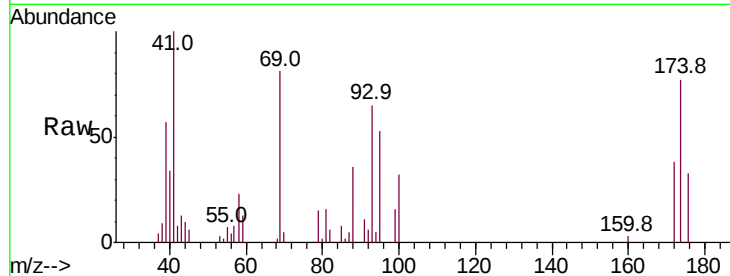
#49
1,4-Dioxane
Concen: 96.561 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	22.0	33.0
58	65.2	51.8	77.8

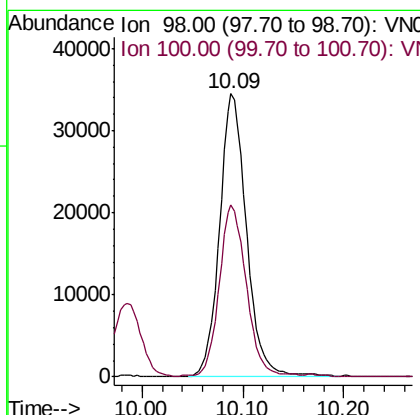
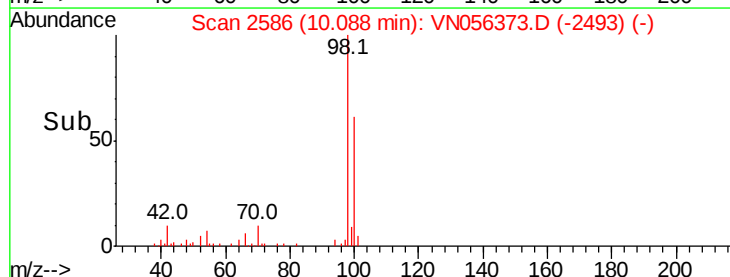
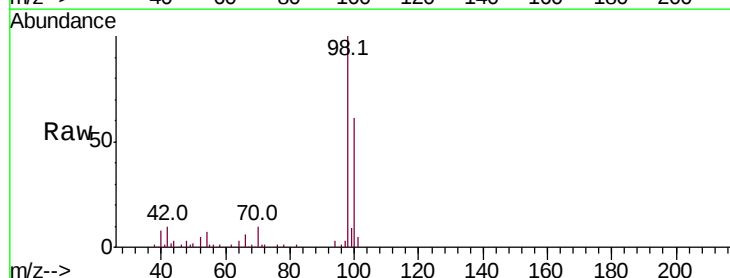
Manual Integrations
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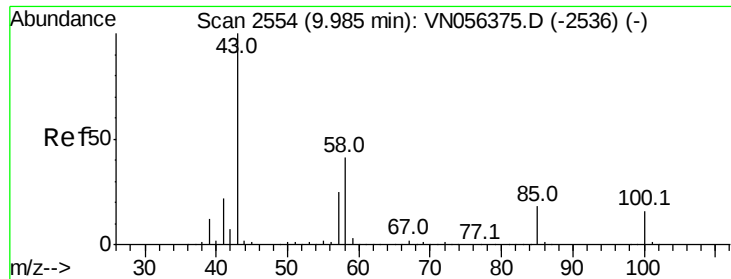
MMDadoda
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#50
Toluene-d8
Concen: 4.839 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 24.503 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 115398

Ion Ratio Lower Upper

43 100

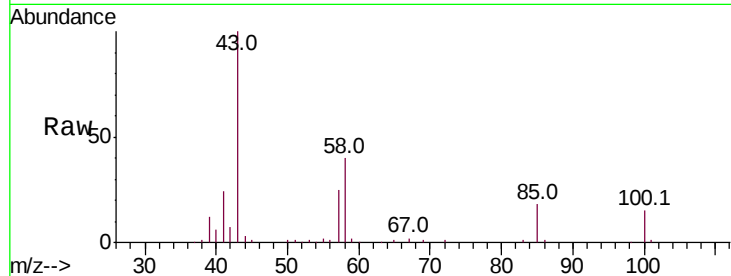
58 39.6 31.8 47.8

Manual Integrations

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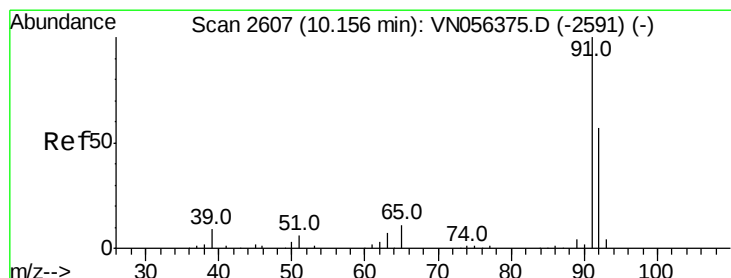
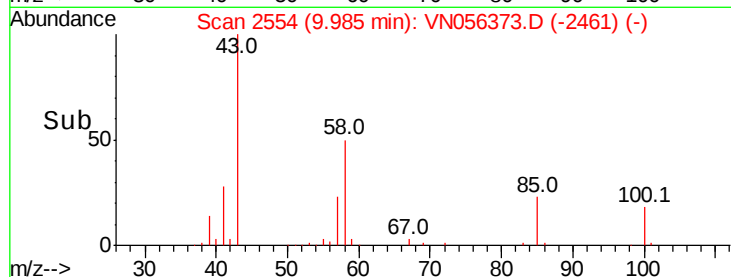
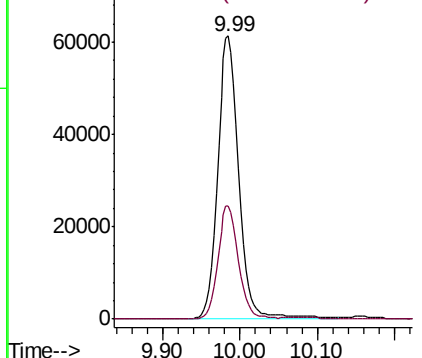
MMDadoda

6/21/2019 10:52:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.950 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056373.D

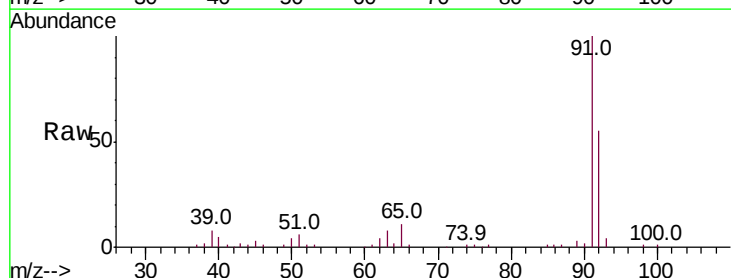
Acq: 19 Jun 2019 9:16

Tgt Ion: 92 Resp: 44475

Ion Ratio Lower Upper

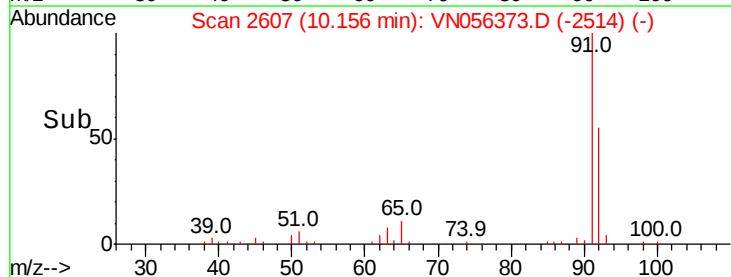
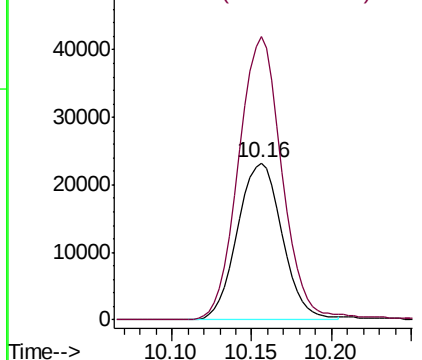
92 100

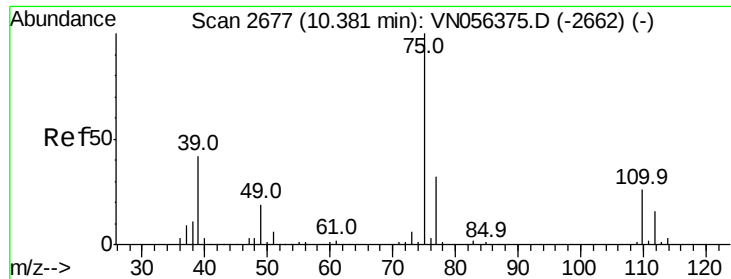
91 177.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





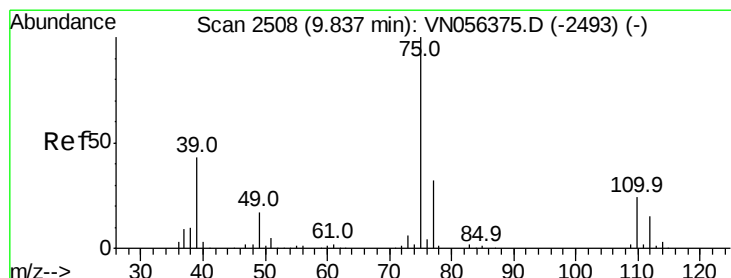
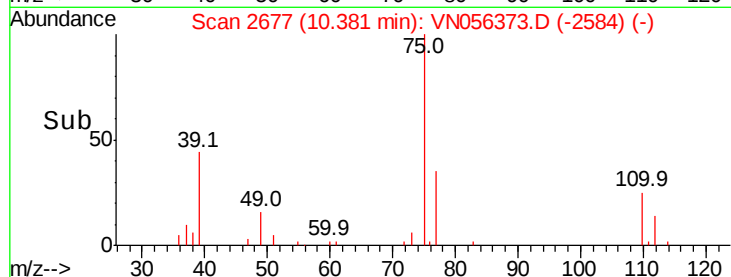
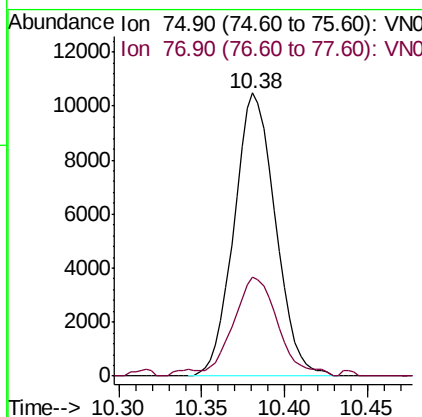
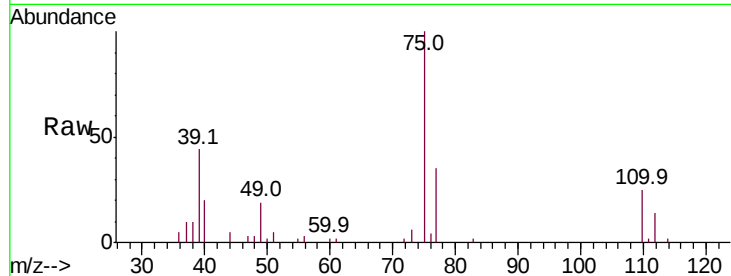
#53
 t-1,3-Dichloropropene
 Concen: 3.738 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 18263
 Ion Ratio Lower Upper
 75 100
 77 34.8 25.4 38.2

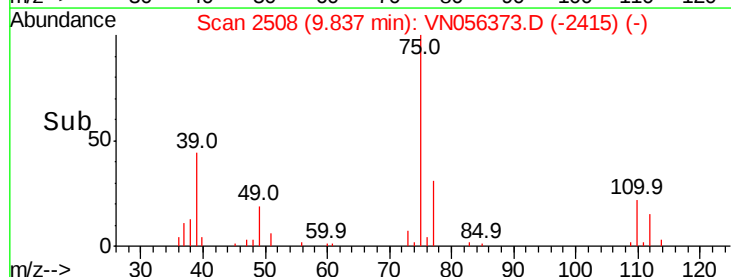
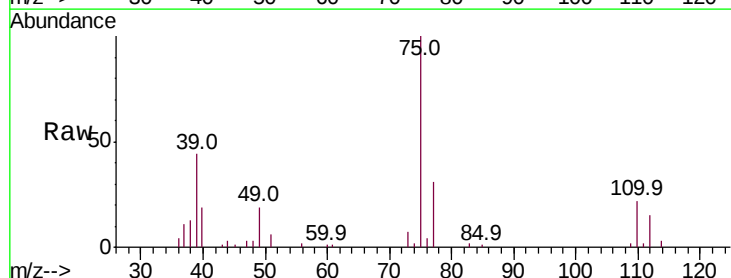
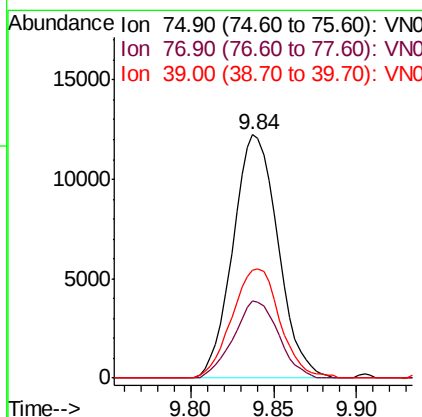
Manual Integrations
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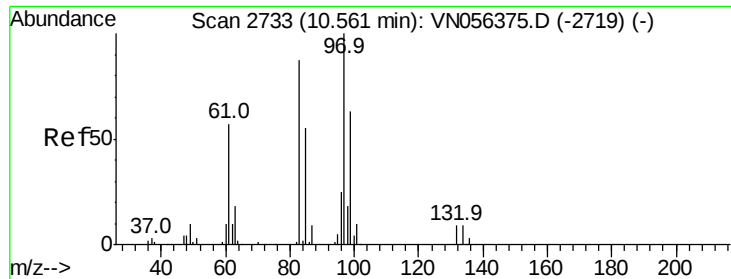
MMDadoda
 6/21/2019 10:52:03 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.094 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Tgt Ion: 75 Resp: 23170
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8
 39 44.3 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 4.859 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 18019

Ion Ratio Lower Upper

97 100

83 84.4 69.8 104.6

85 56.2 43.8 65.8

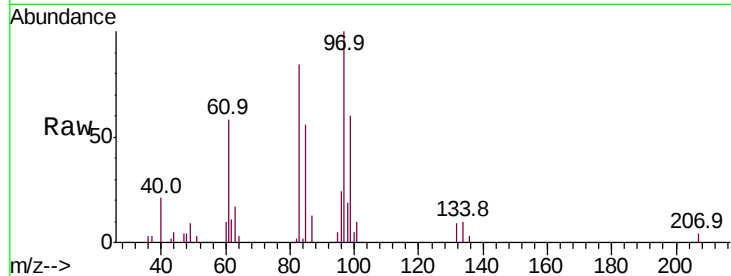
99 60.2 50.2 75.2

Manual Integrations

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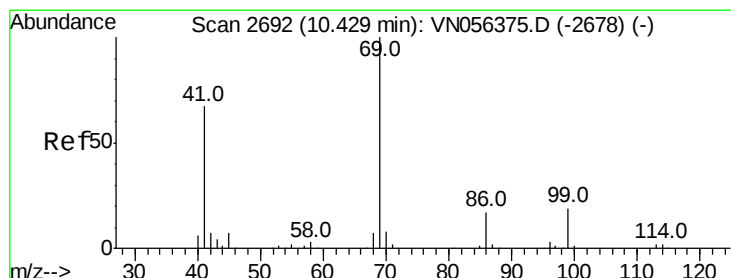
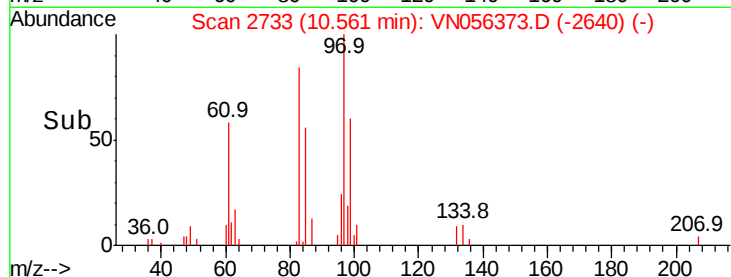
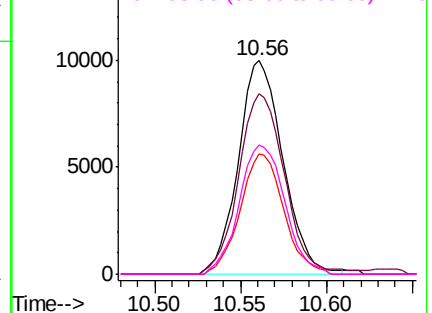
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 4.837 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

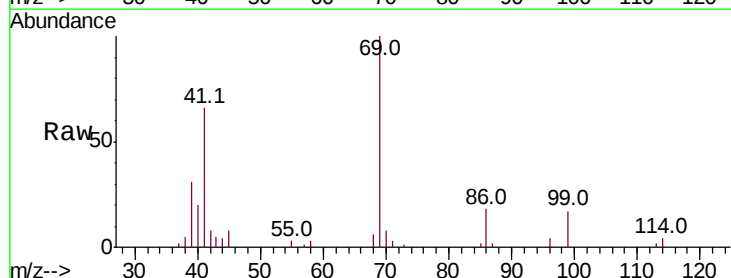
Tgt Ion: 69 Resp: 25752

Ion Ratio Lower Upper

69 100

41 64.8 51.4 77.2

39 33.0 24.7 37.1

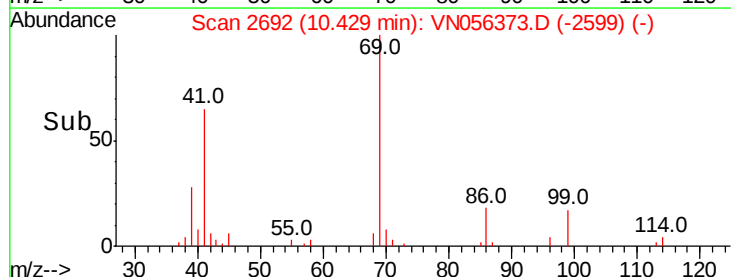
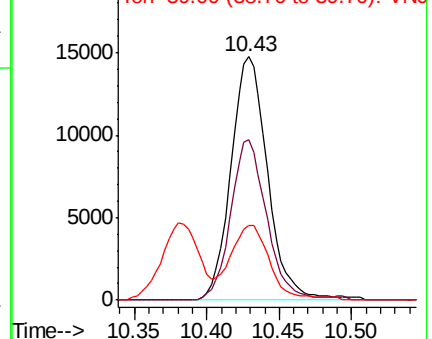


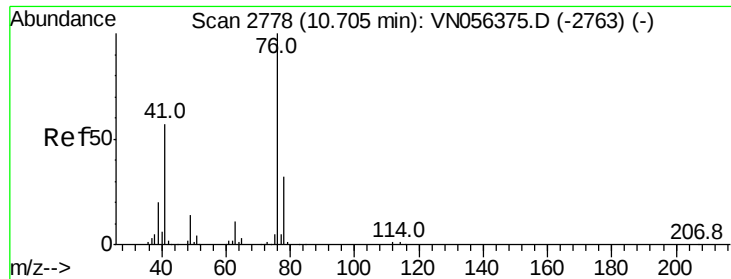
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 4.965 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 30981

Ion Ratio Lower Upper

76 100

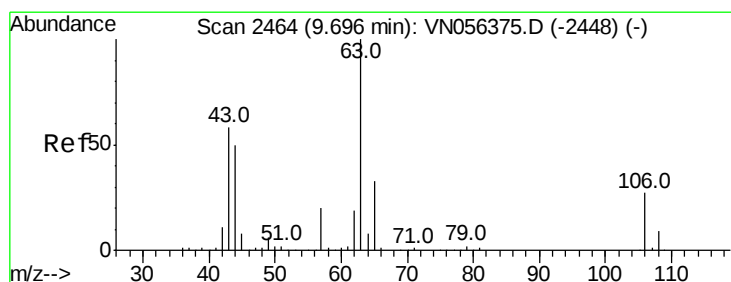
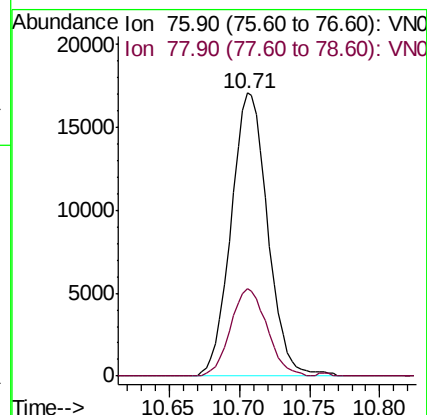
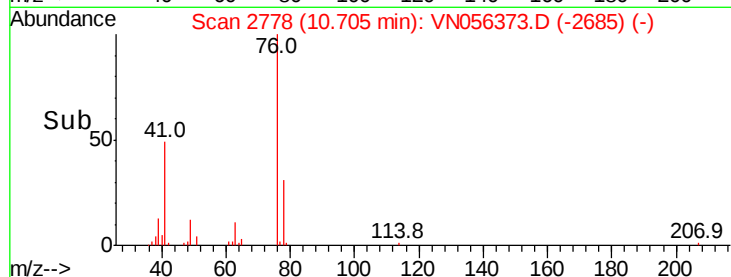
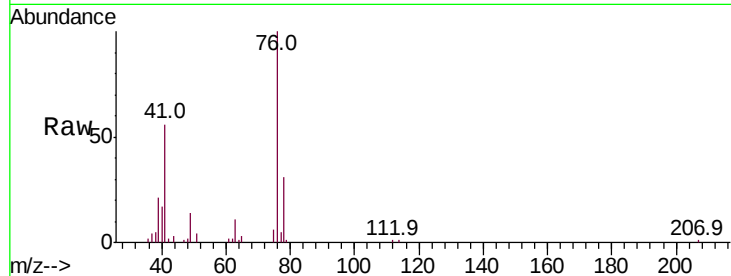
78 30.9 25.9 38.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 24.306 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056373.D

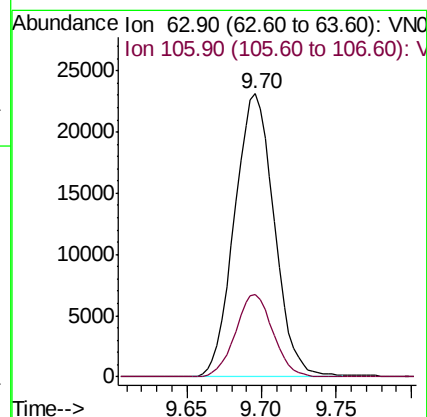
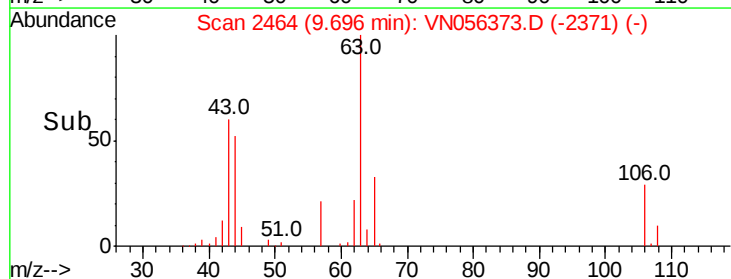
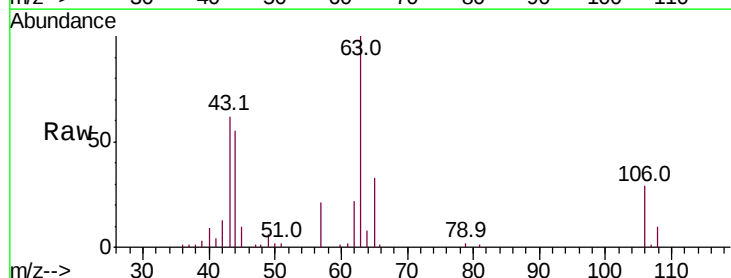
Acq: 19 Jun 2019 9:16

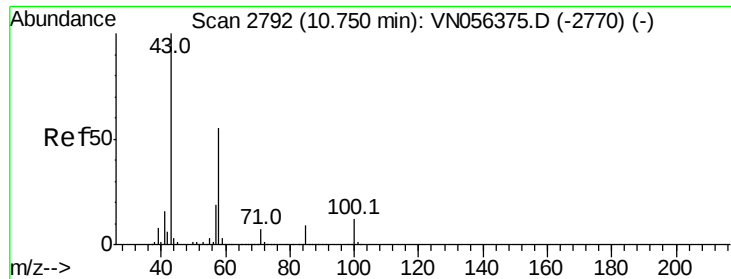
Tgt Ion: 63 Resp: 42772

Ion Ratio Lower Upper

63 100

106 27.6 21.6 32.4





#59

2-Hexanone

Concen: 24.074 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 83948

Ion Ratio Lower Upper

43 100

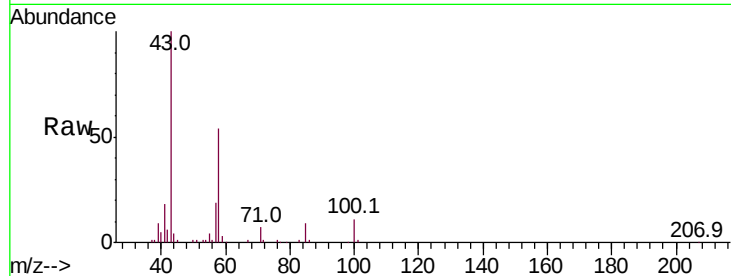
58 55.1 27.8 83.4

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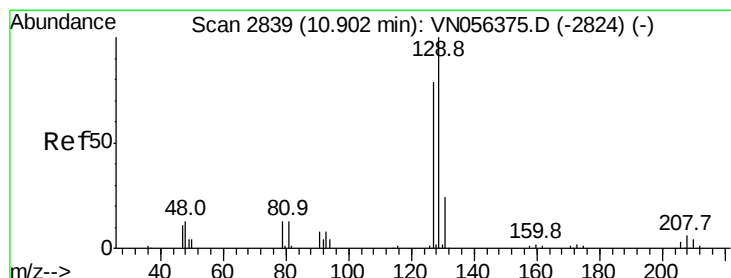
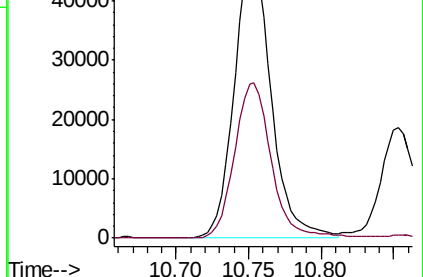
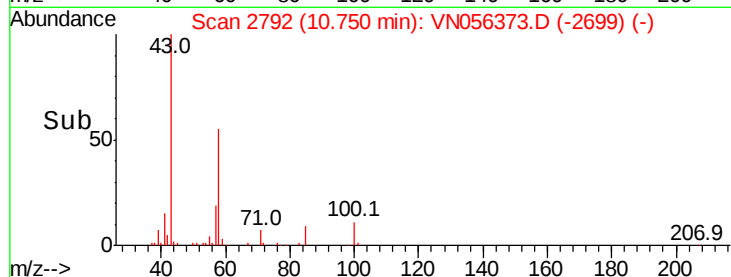


Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-2770) (-)

Ion 58.00 (57.70 to 58.70): VN056375.D (-2770) (-)

10.75

Time-->



#60

Dibromochloromethane

Concen: 3.624 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056373.D

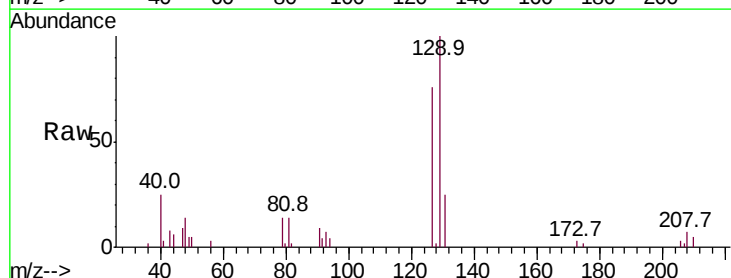
Acq: 19 Jun 2019 9:16

Tgt Ion: 129 Resp: 13858

Ion Ratio Lower Upper

129 100

127 77.4 38.9 116.7

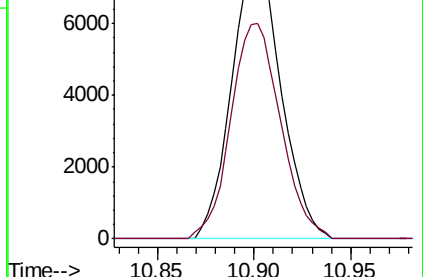
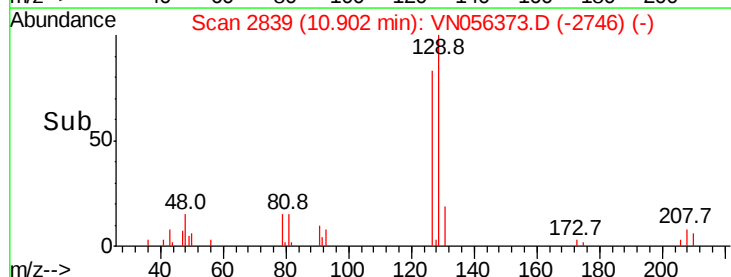


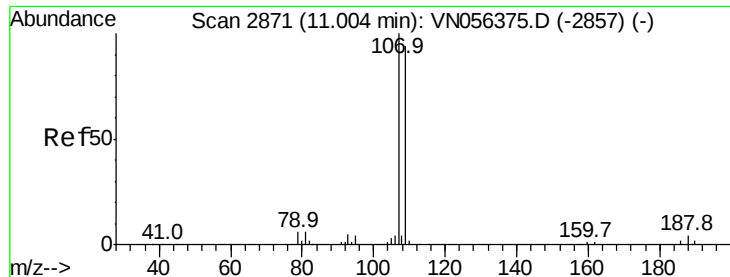
Abundance Ion 128.80 (128.50 to 129.50): VN056375.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN056375.D (-2824) (-)

10.90

Time-->





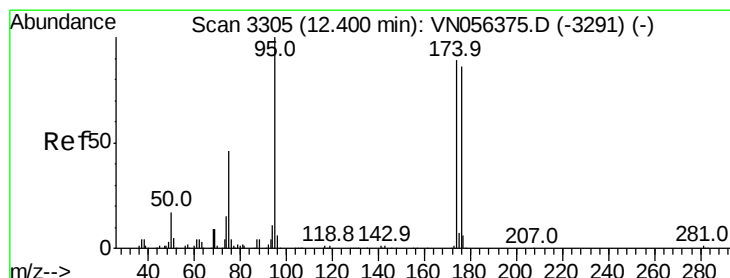
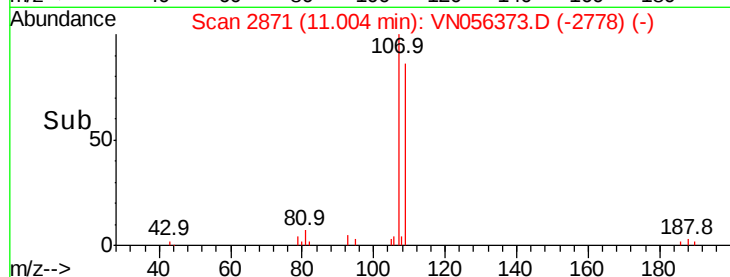
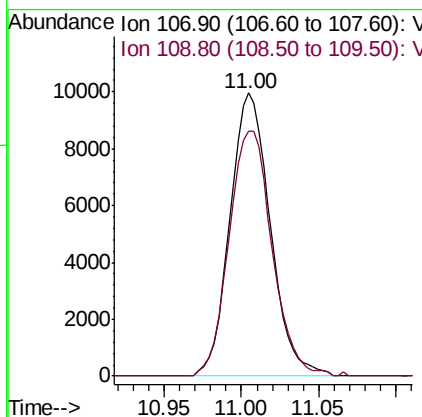
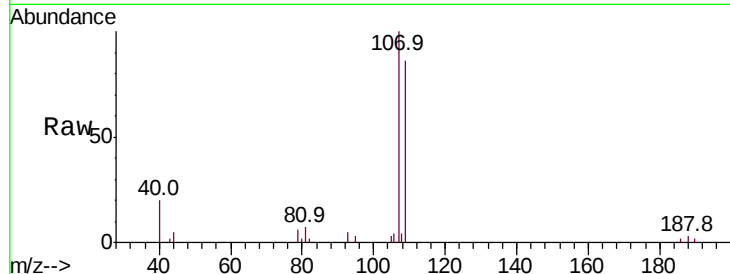
#61
1,2-Dibromoethane
Concen: 4.738 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.3	112.9

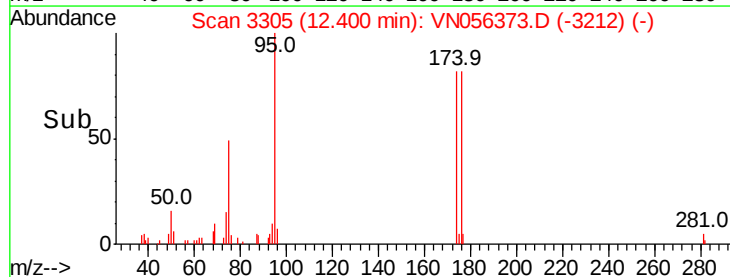
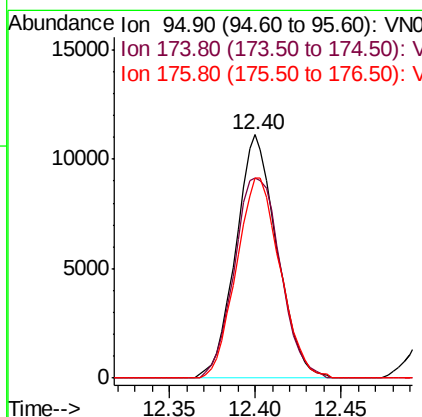
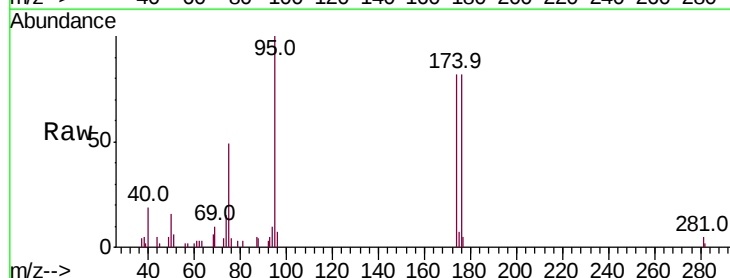
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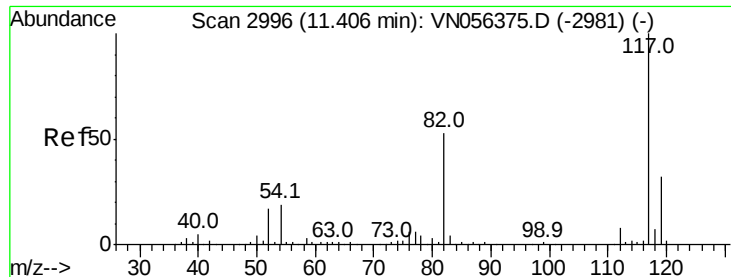
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 4.186 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	179.4
176	87.4	0.0	173.4





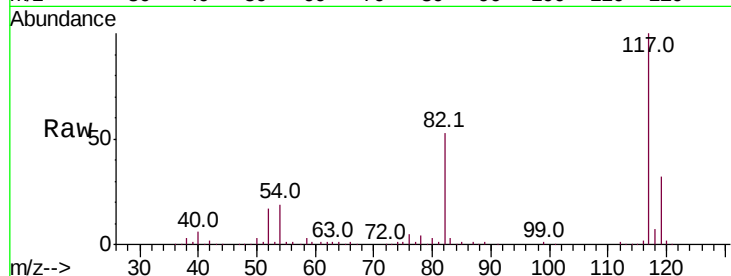
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.0	63.0
119	31.7	25.3	37.9

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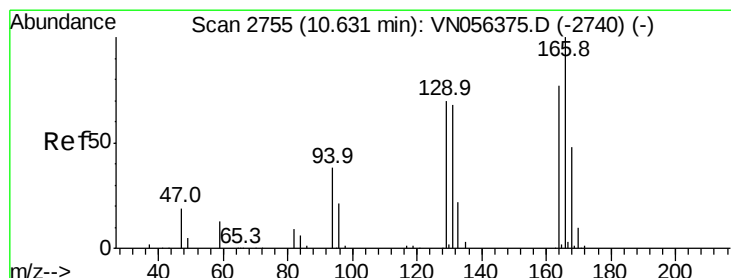
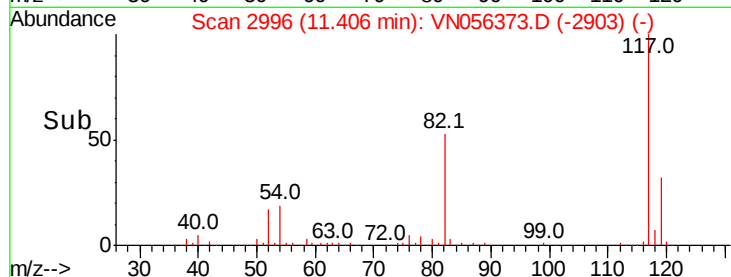
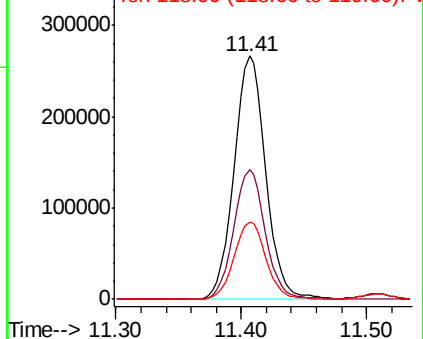


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.241 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	103.4	155.0
129	87.6	72.0	108.0
131	88.7	70.2	105.2

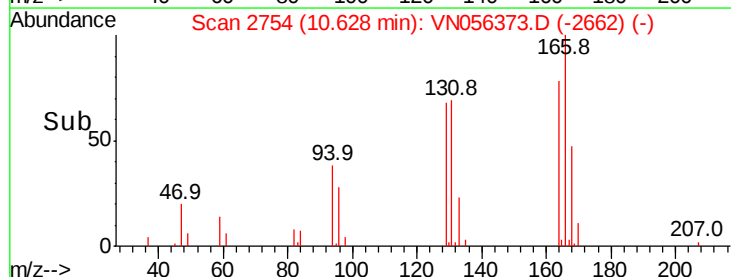
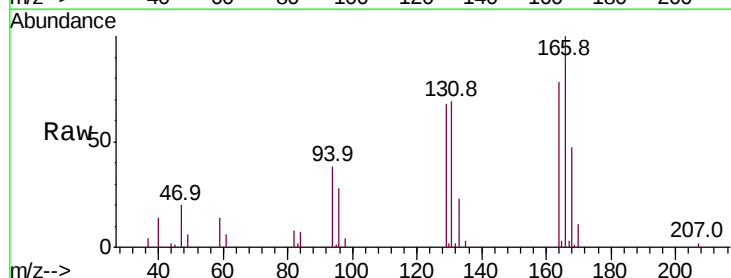
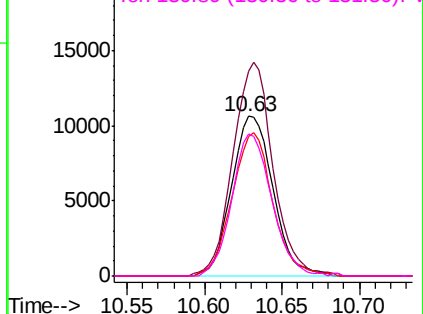
Abundance

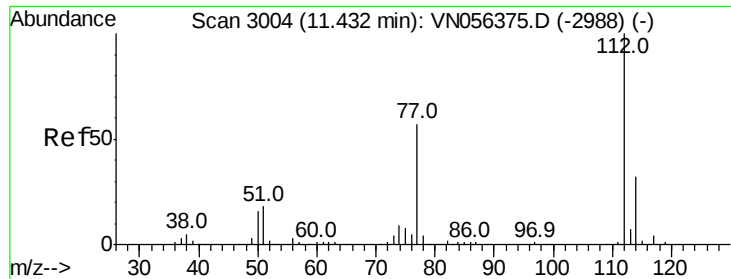
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





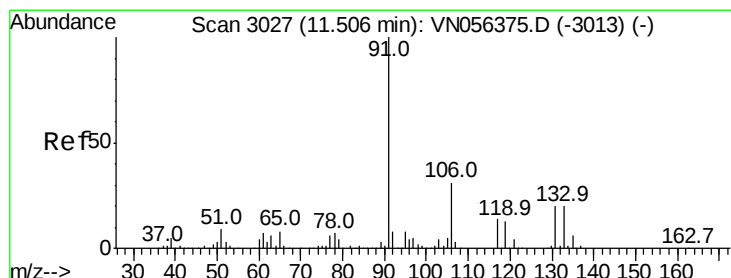
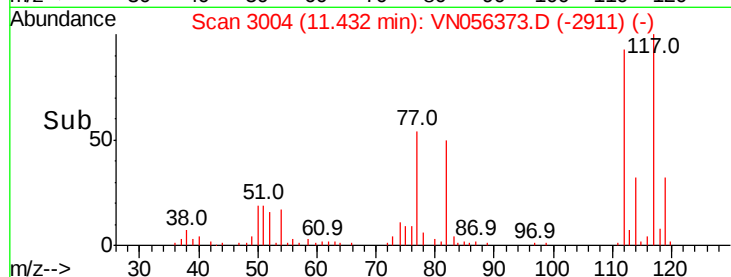
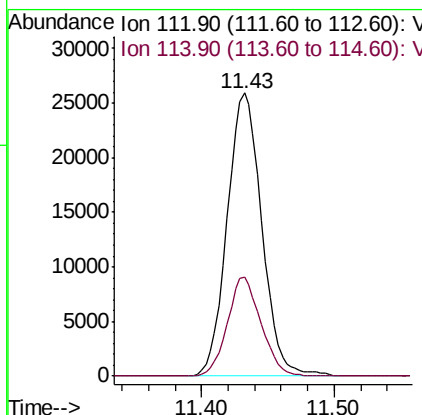
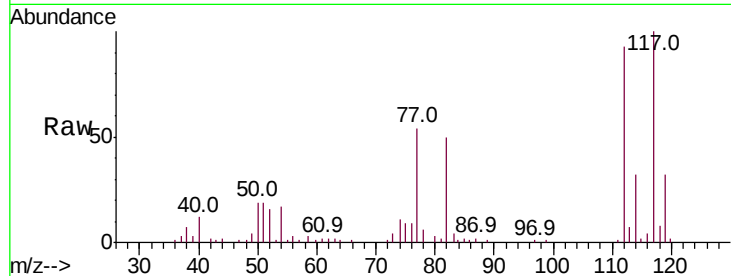
#65
Chlorobenzene
Concen: 4.980 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 47011
Ion Ratio Lower Upper
112 100
114 35.1 25.4 38.2

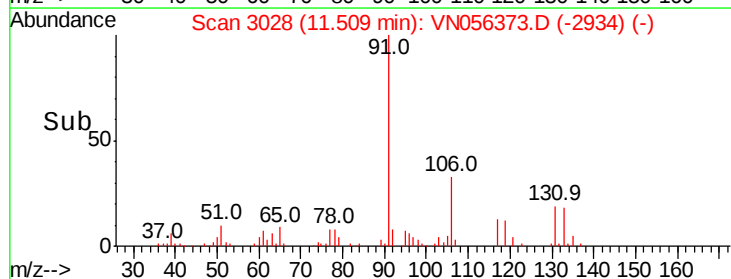
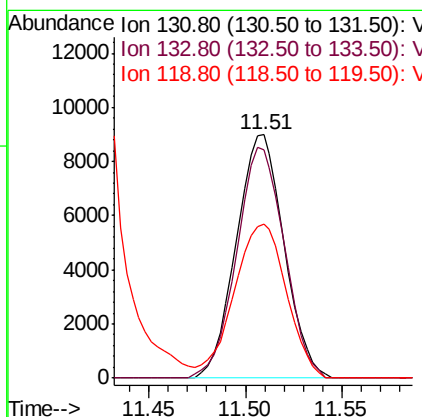
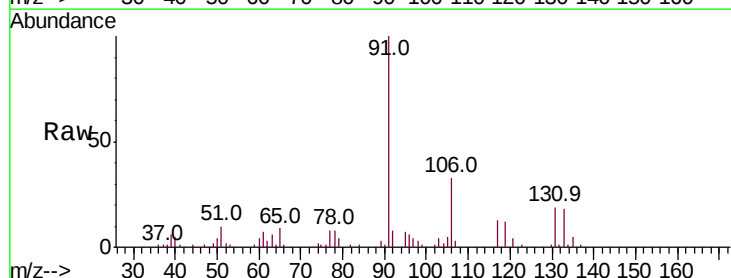
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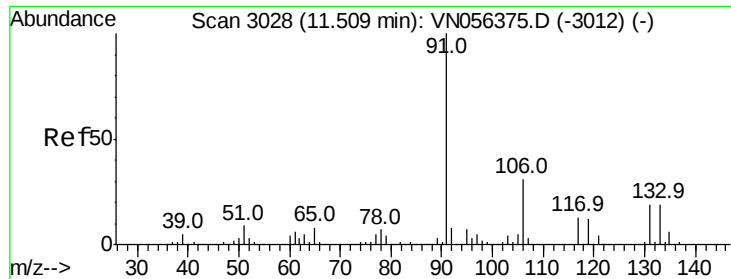
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.407 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion:131 Resp: 15432
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.2
119 69.4 32.8 98.4





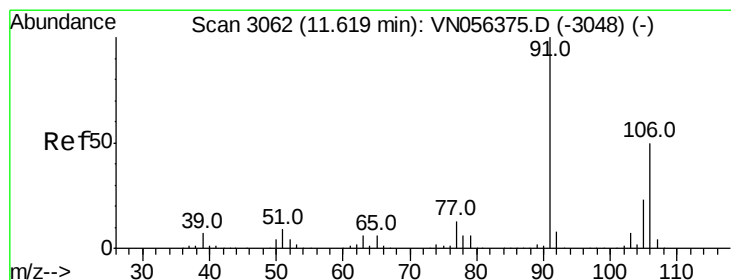
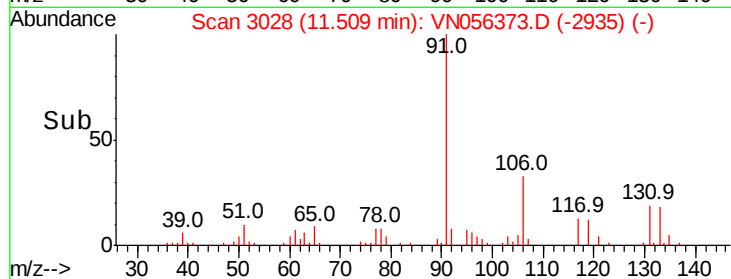
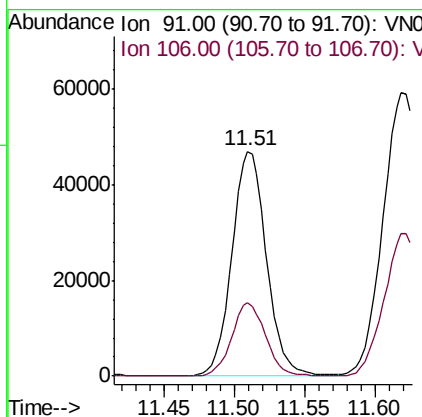
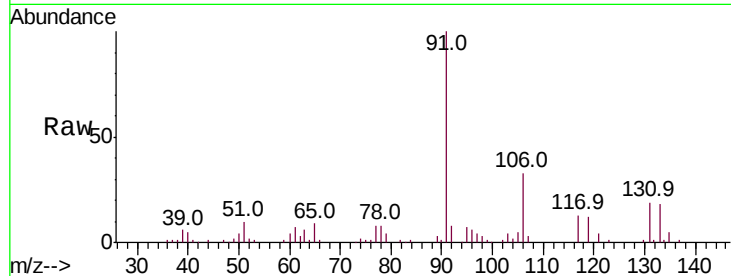
#67
Ethyl Benzene
Concen: 4.962 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 80562
Ion Ratio Lower Upper
91 100
106 32.7 25.1 37.7

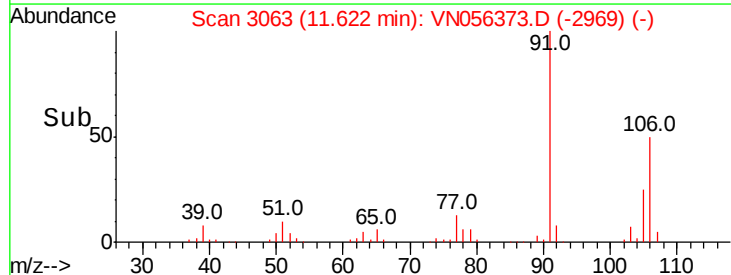
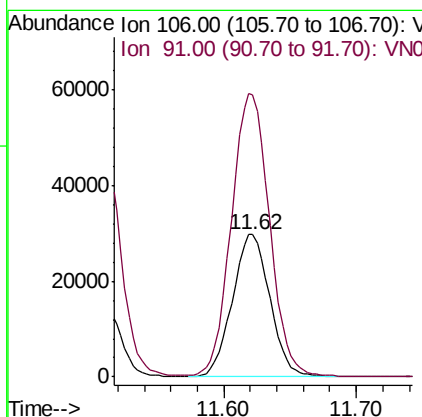
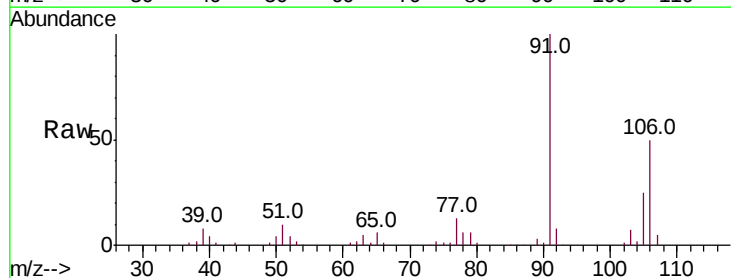
Manual Integrations
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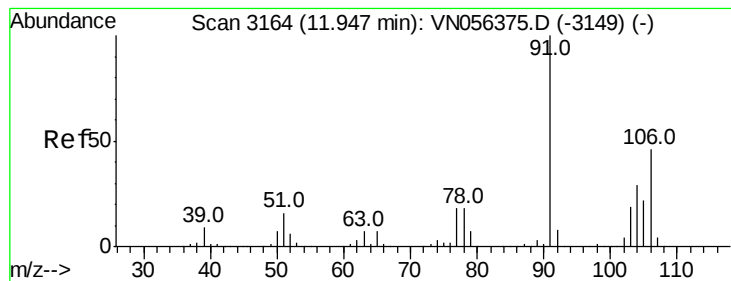
MMDadoda
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#68
m/p-Xylenes
Concen: 9.702 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion: 106 Resp: 58517
Ion Ratio Lower Upper
106 100
91 202.4 160.1 240.1





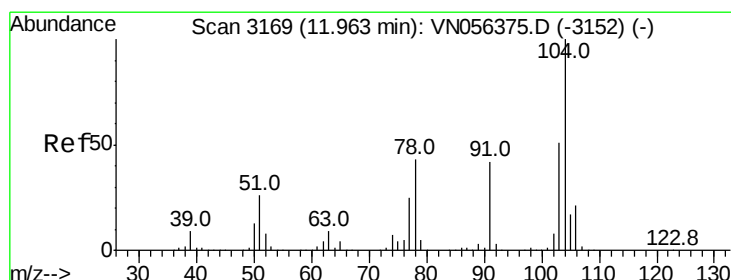
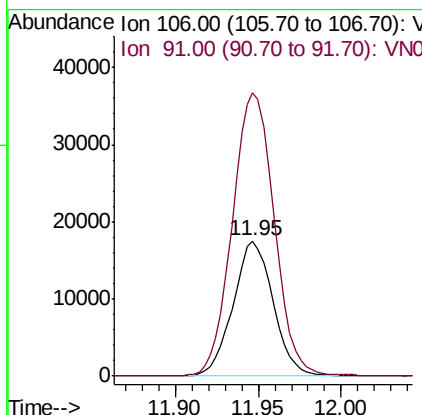
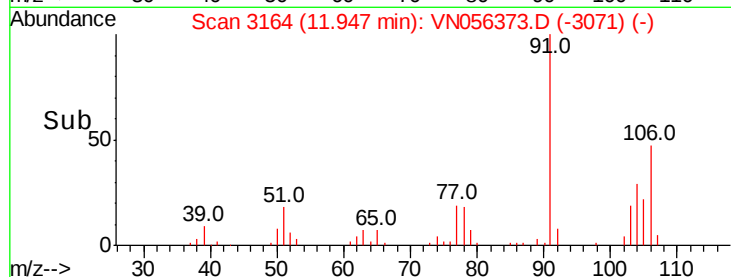
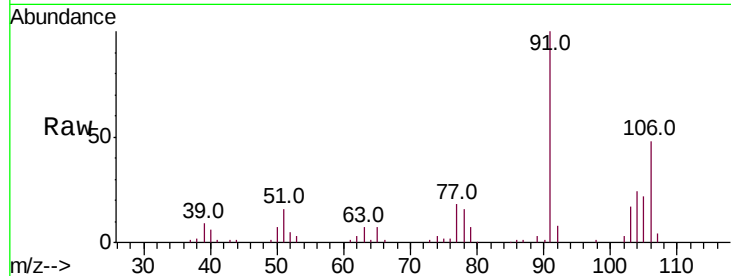
#69
o-Xylene
Concen: 4.946 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 29402
Ion Ratio Lower Upper
106 100
91 219.1 107.1 321.3

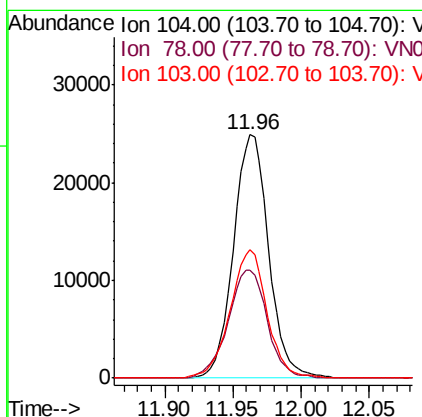
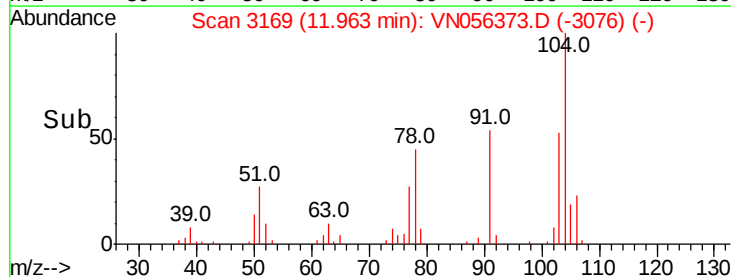
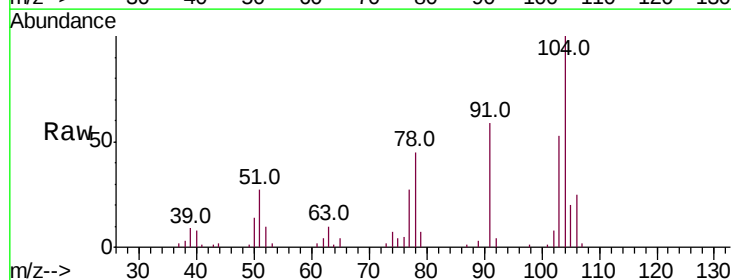
Manual Integrations
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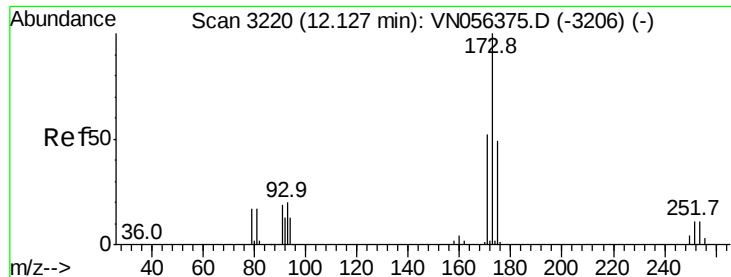
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#70
Styrene
Concen: 4.648 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion:104 Resp: 44579
Ion Ratio Lower Upper
104 100
78 49.2 38.6 57.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 3.418 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 9114

Ion Ratio Lower Upper

173 100

175 44.2 24.4 73.4

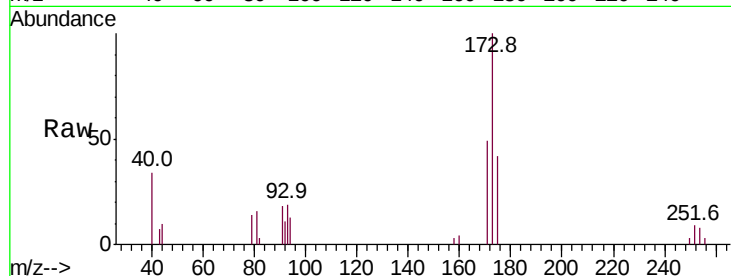
254 0.0 0.0 0.0

Manual Integrations

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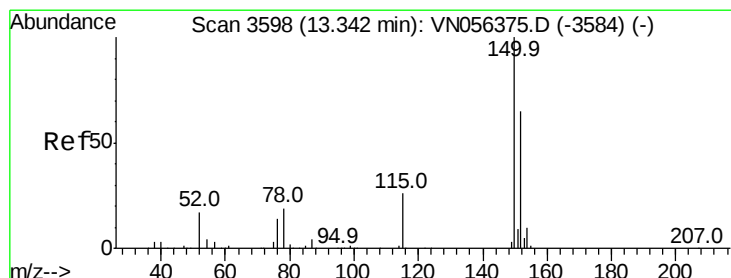
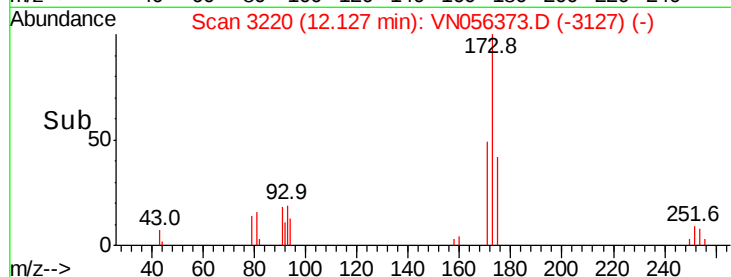
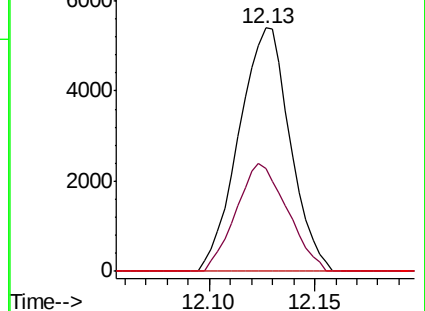
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

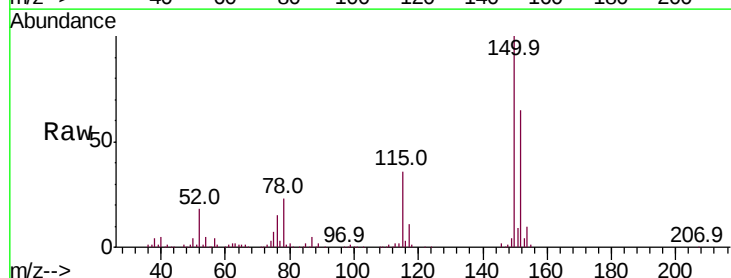
Tgt Ion:152 Resp: 147498

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.4

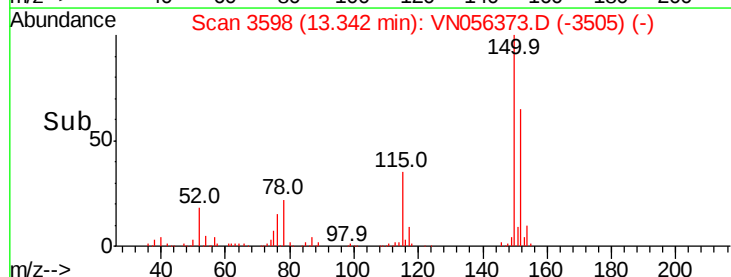
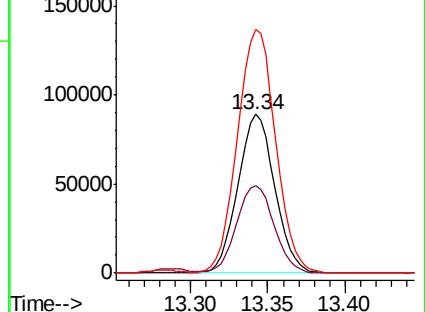
150 159.4 0.0 348.4

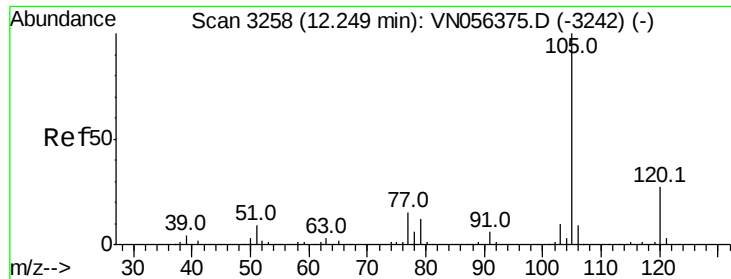


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.279 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 79053

Ion Ratio Lower Upper

105 100

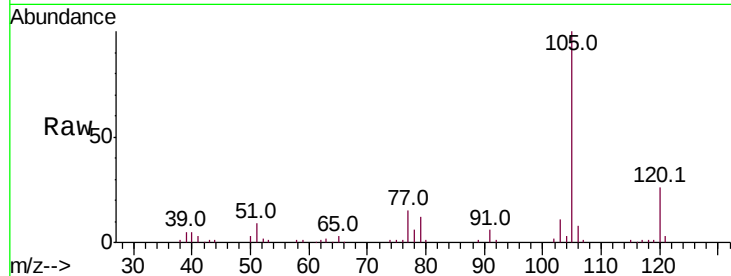
120 26.6 13.4 40.2

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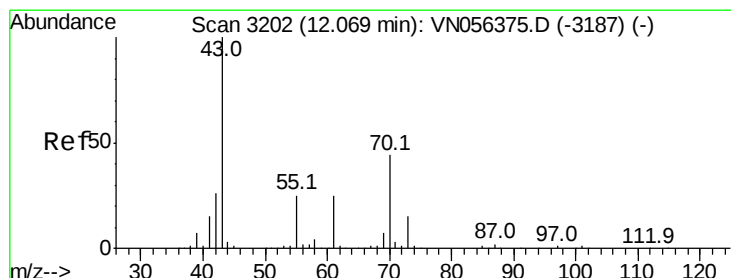
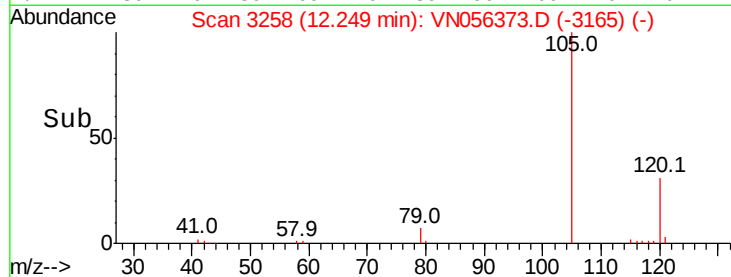
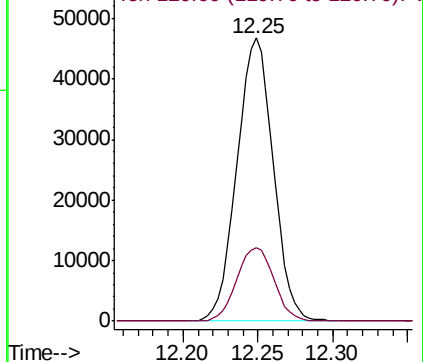
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.889 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Tgt Ion: 43 Resp: 27259

Ion Ratio Lower Upper

43 100

70 37.1 34.9 52.3

55 26.3 20.4 30.6

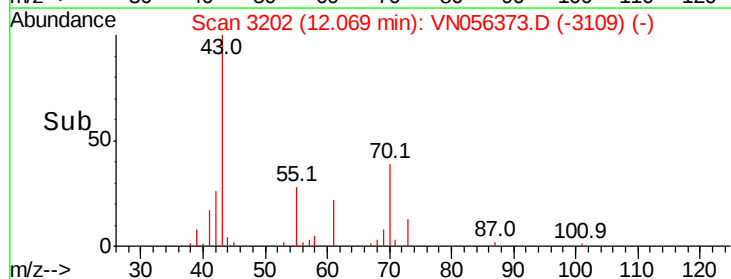
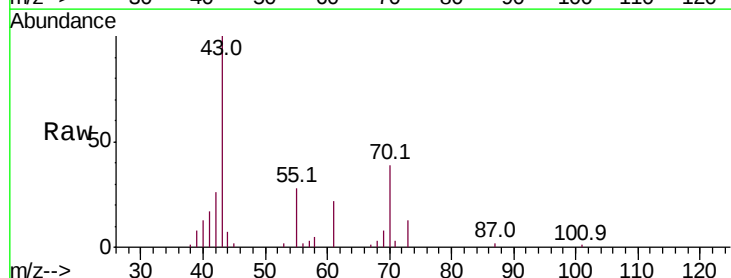
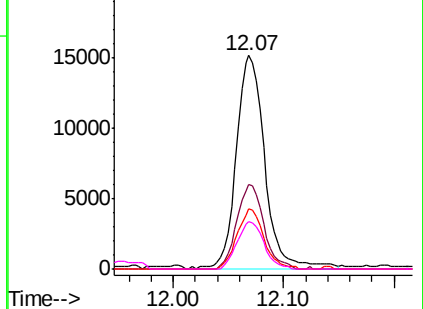
61 20.7 19.8 29.8

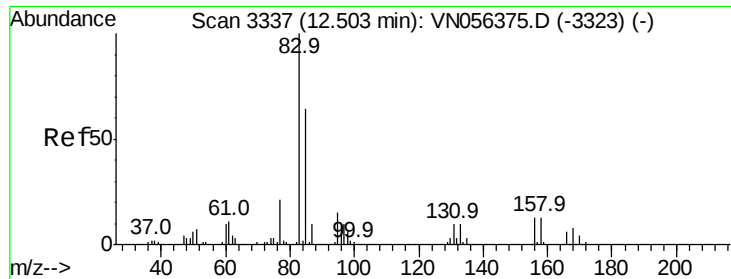
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.894 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

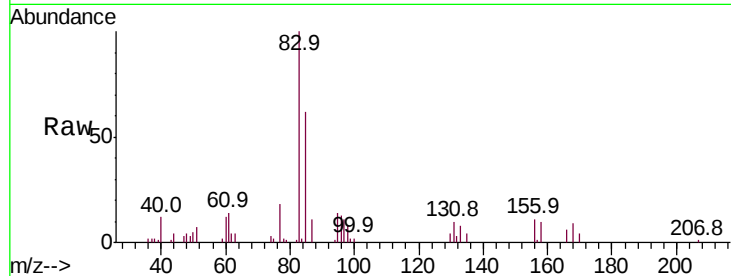
ClientSampleId :

VSTDIC005

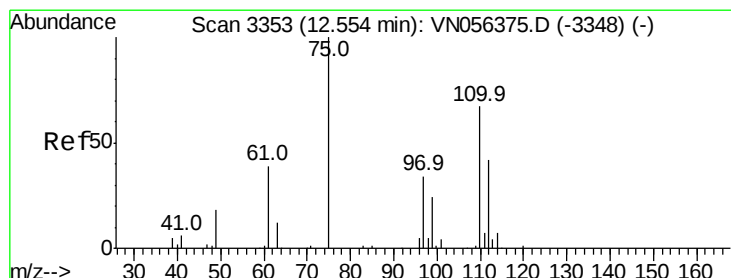
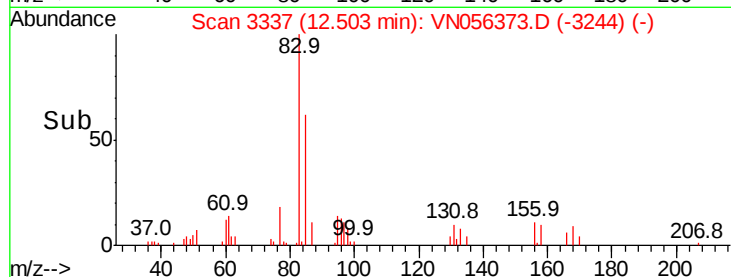
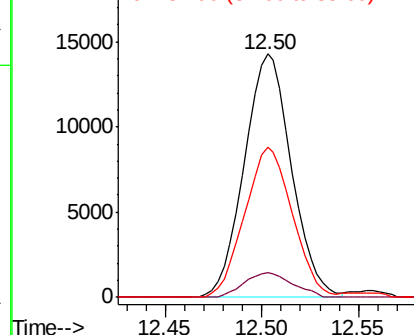
Tot Ion:	83	Resp:	24241
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	62.1	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 6.156 ug/l m

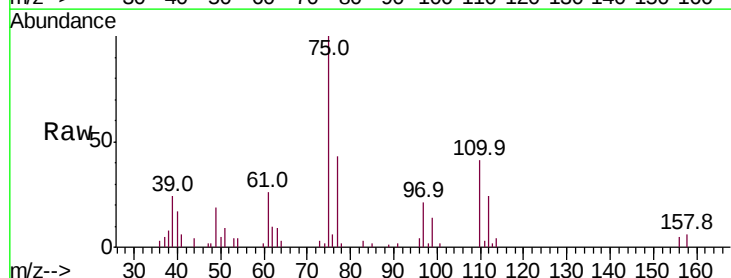
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

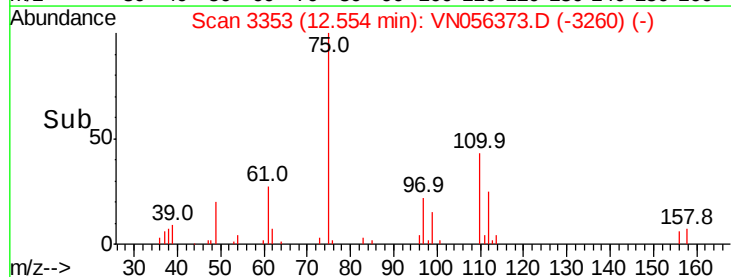
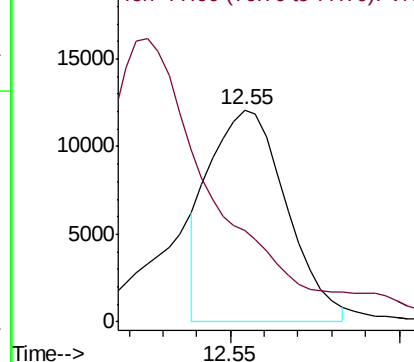
Lab File: VN056373.D

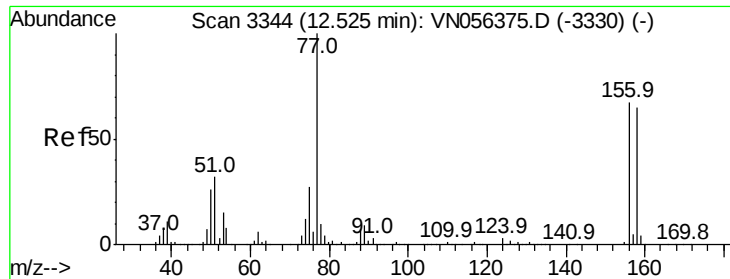
Acq: 19 Jun 2019 9:16

Tgt Ion:	75	Resp:	19238
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 5.766 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

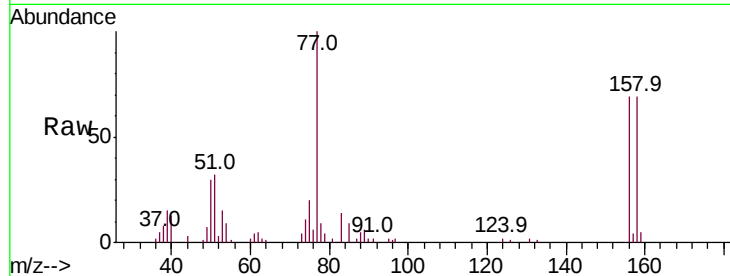
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	19120
Ion Ratio	Lower	Upper	
156	100		
77	201.9	92.5	277.3
158	98.2	48.7	146.1

Manual Integrations
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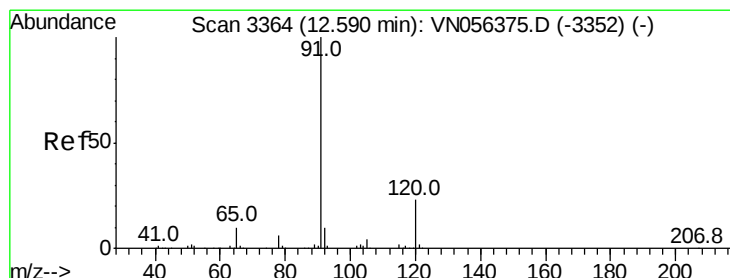
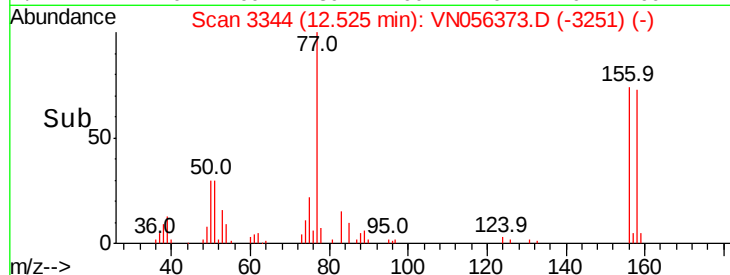
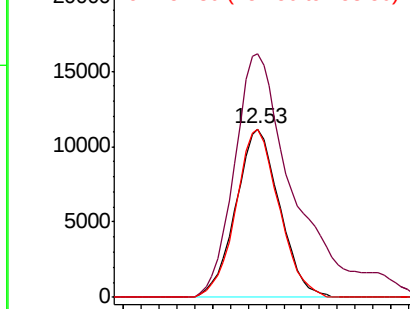
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.728 ug/l

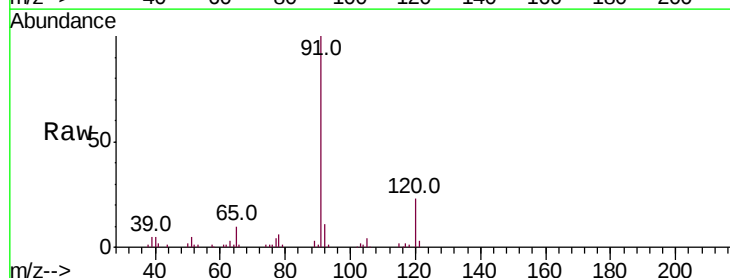
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056373.D

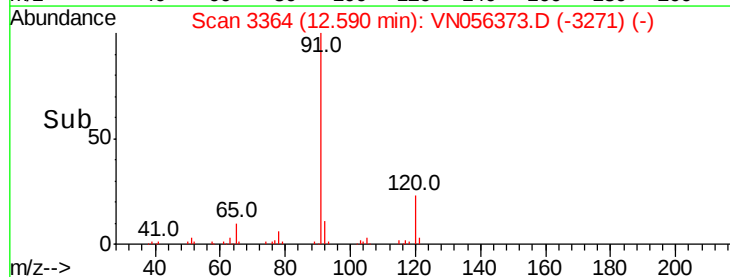
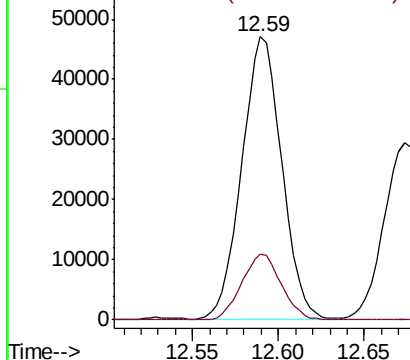
Acq: 19 Jun 2019 9:16

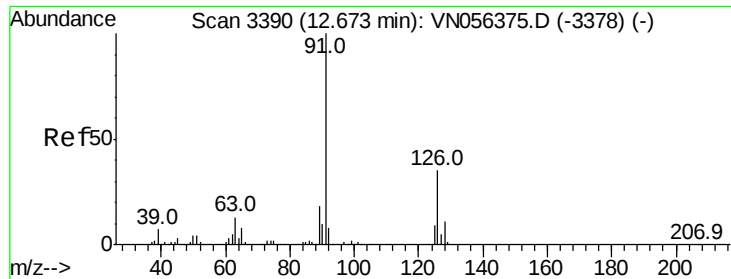
Tgt Ion:	91	Resp:	75411
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.968 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 50065

Ion Ratio Lower Upper

91 100

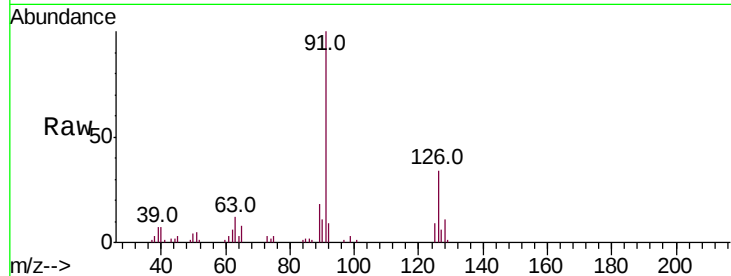
126 34.7 17.6 52.8

Manual Integrations

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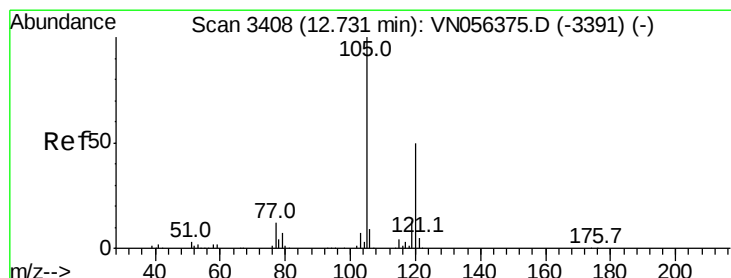
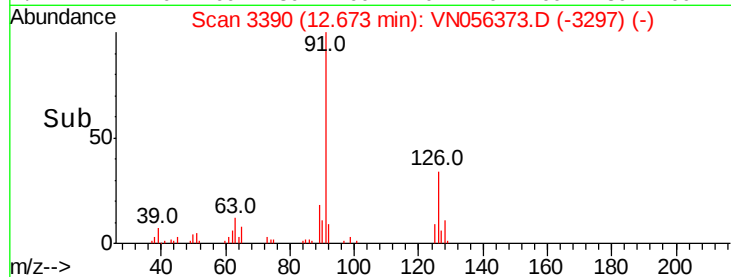
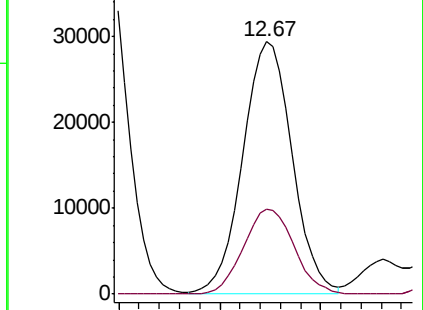
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Abundance Ion 91.00 (90.70 to 91.70): VN056373.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056373.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 6.105 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056373.D

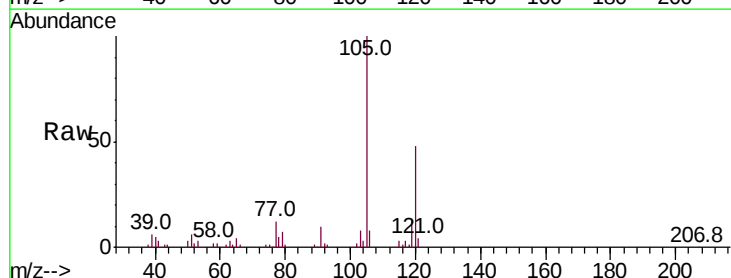
Acq: 19 Jun 2019 9:16

Tgt Ion: 105 Resp: 62537

Ion Ratio Lower Upper

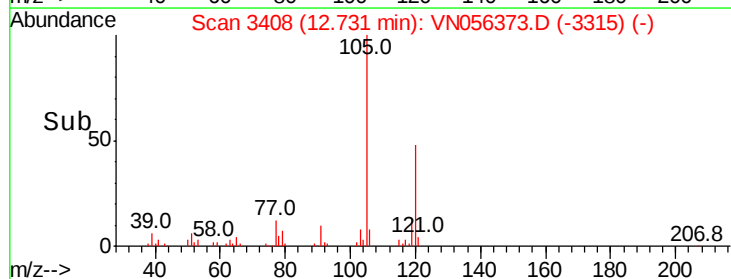
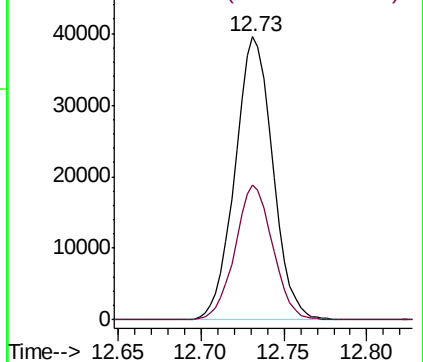
105 100

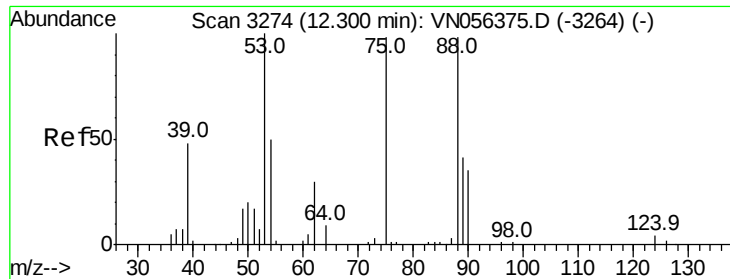
120 47.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056373.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056373.D (-3391) (-)





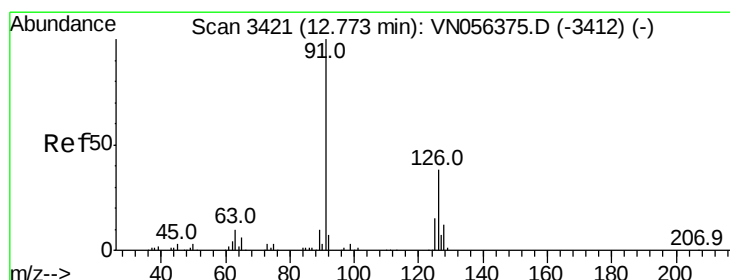
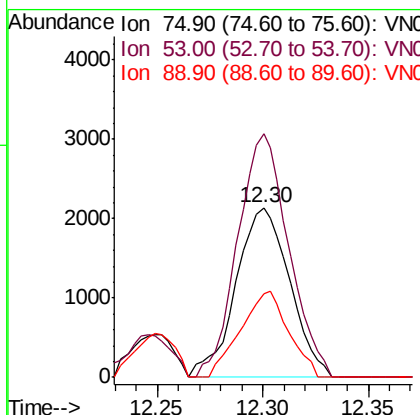
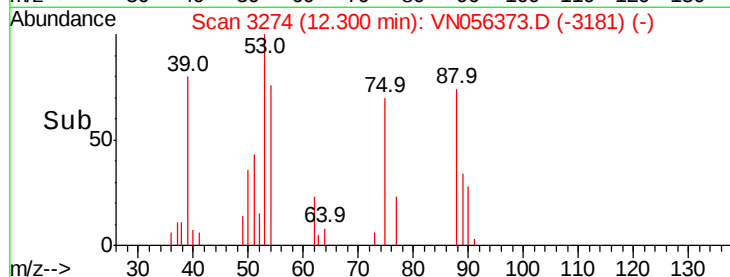
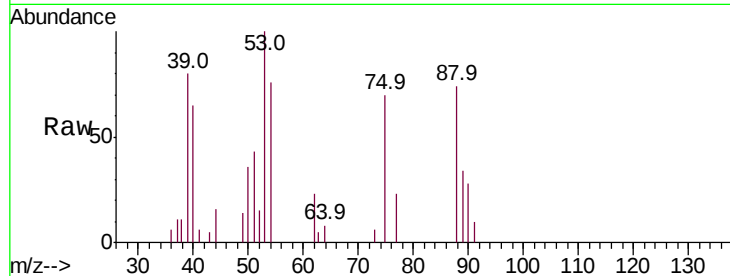
#81
trans-1,4-Dichloro-2-butene
Concen: 3.860 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	135.9	83.9	125.9#
89	45.0	35.0	52.6

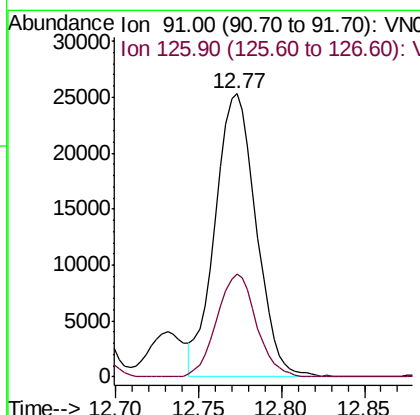
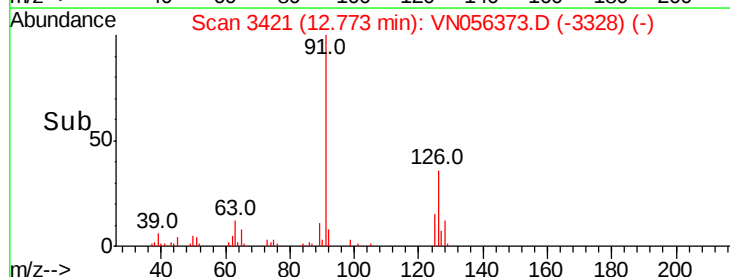
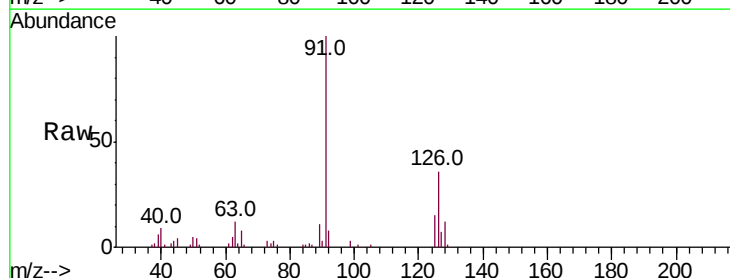
Manual Integrations
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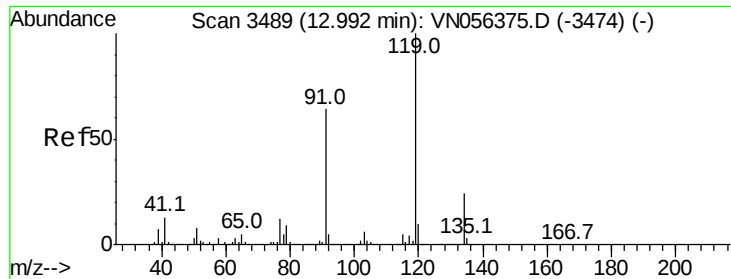
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#82
4-Chlorotoluene
Concen: 5.641 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	52.0





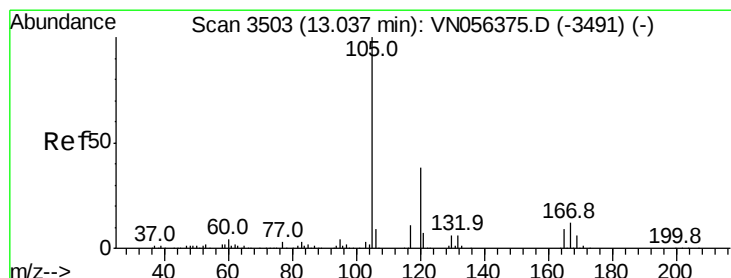
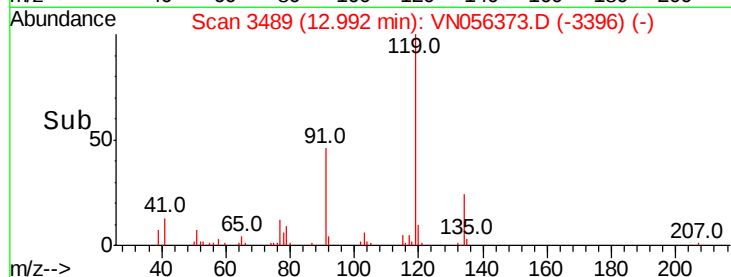
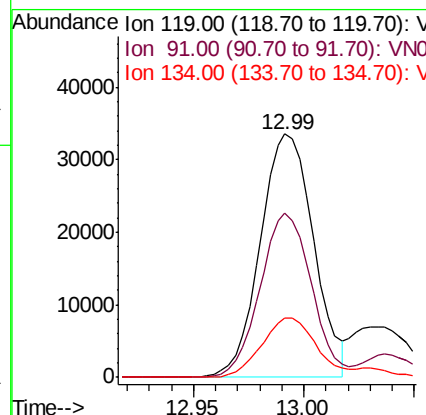
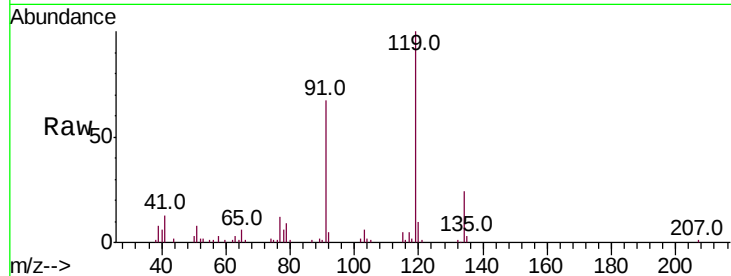
#83
tert-Butylbenzene
Concen: 6.114 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	31.6	94.7
134	24.7	13.2	39.5

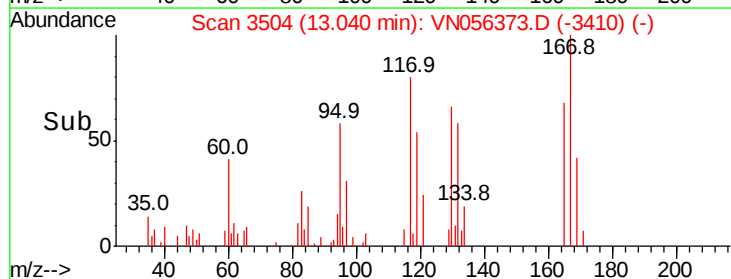
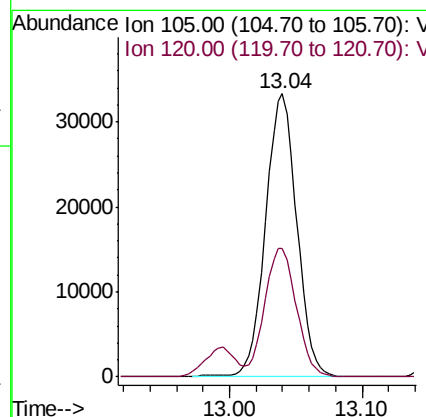
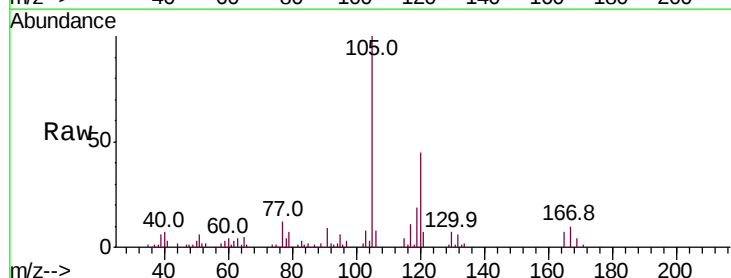
Manual Integrations
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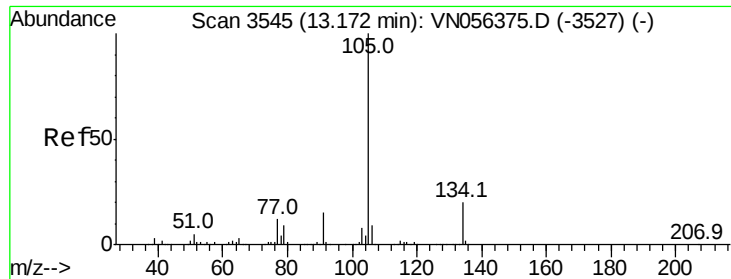
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#84
1,2,4-Trimethylbenzene
Concen: 5.718 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.8





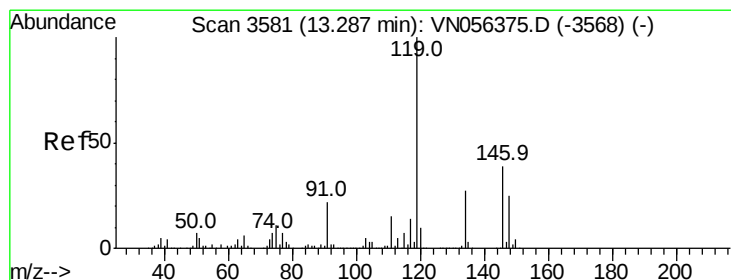
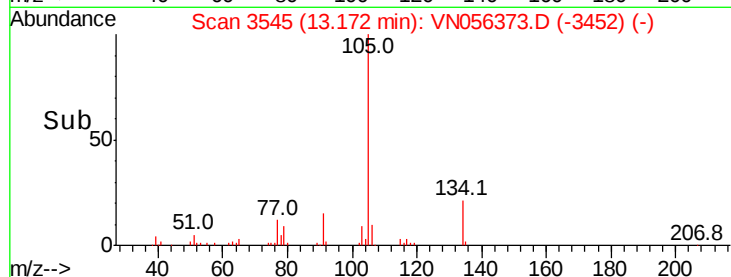
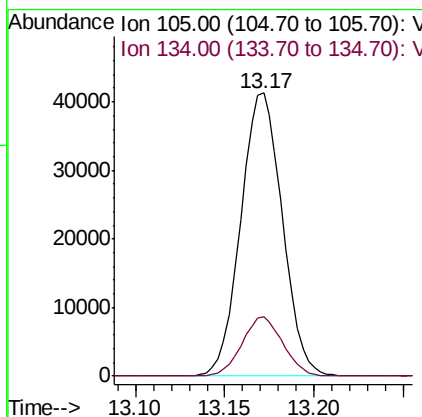
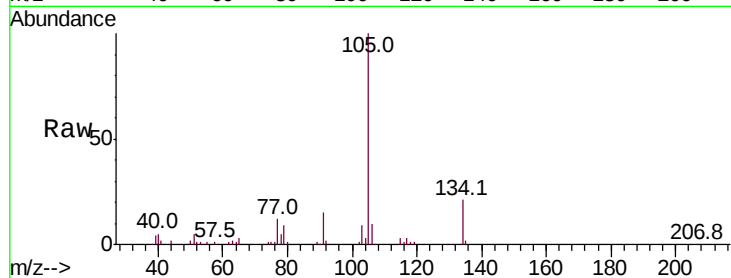
#85
 sec-Butylbenzene
 Concen: 5.815 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 67260
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.2 30.4

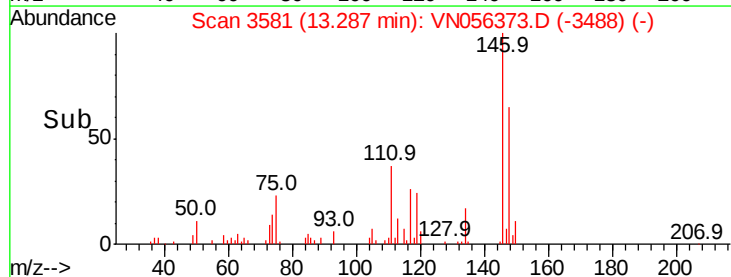
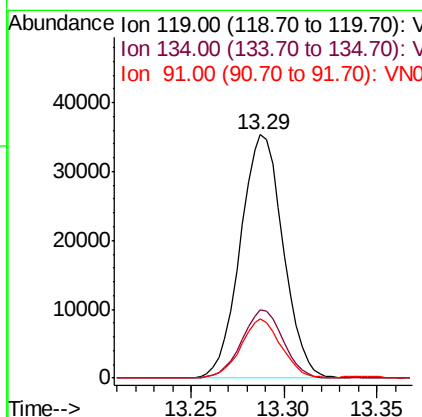
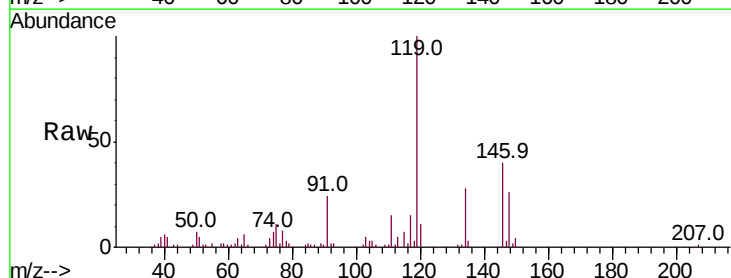
Manual Integrations
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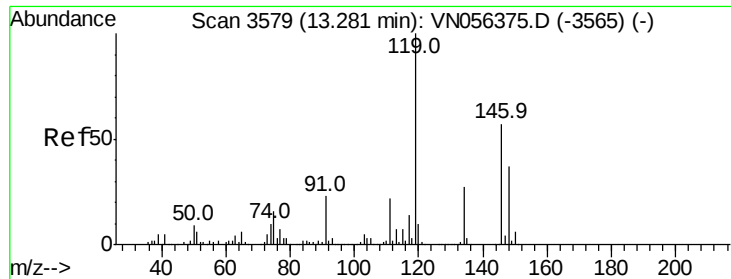
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#86
 p-Isopropyltoluene
 Concen: 5.709 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Tgt Ion:119 Resp: 56487
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.4
 91 22.7 11.2 33.5





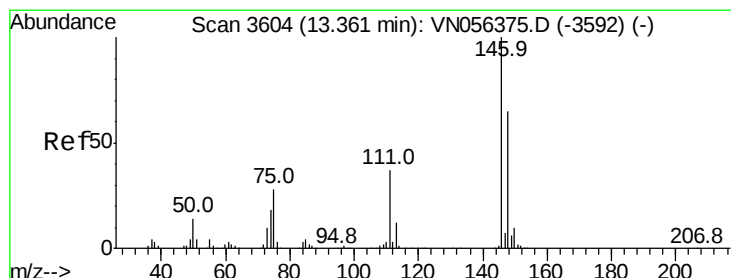
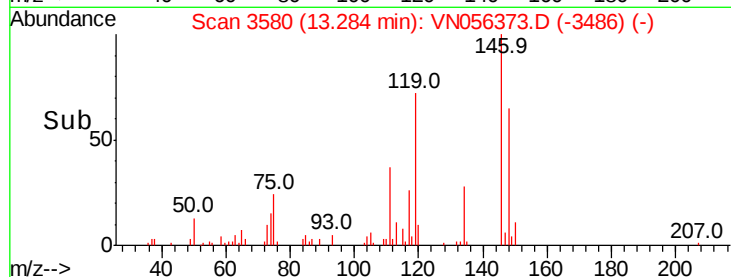
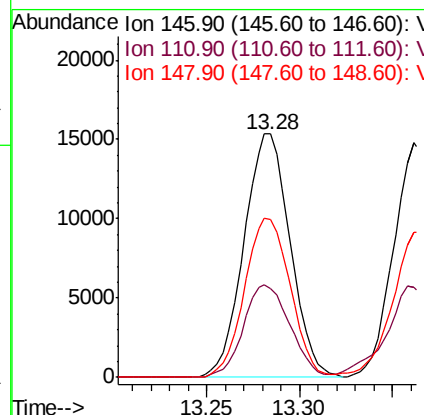
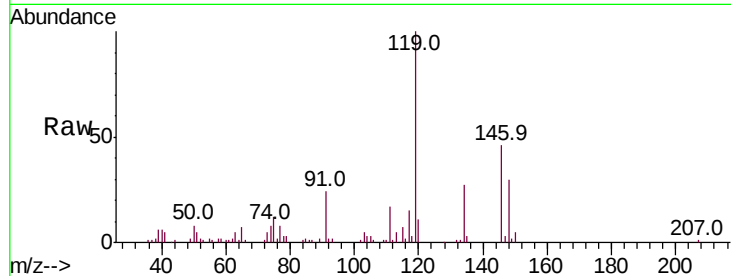
#87
 1,3-Dichlorobenzene
 Concen: 5.289 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	64.6	32.1	96.5

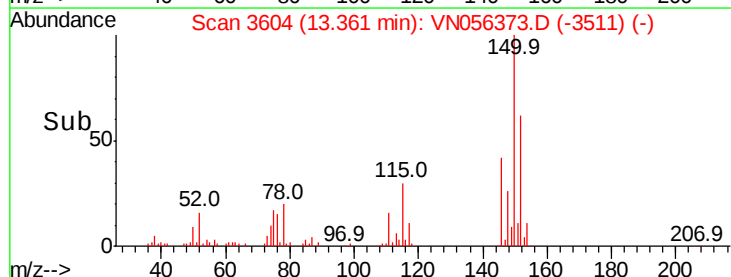
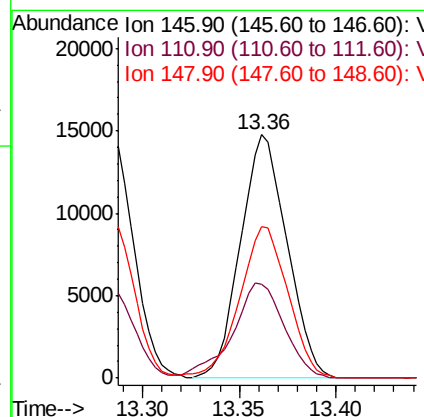
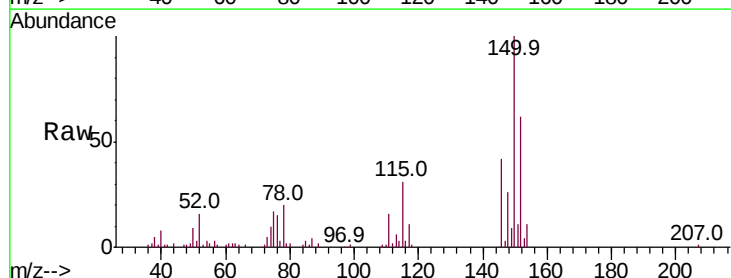
Manual Integrations
 APPROVED

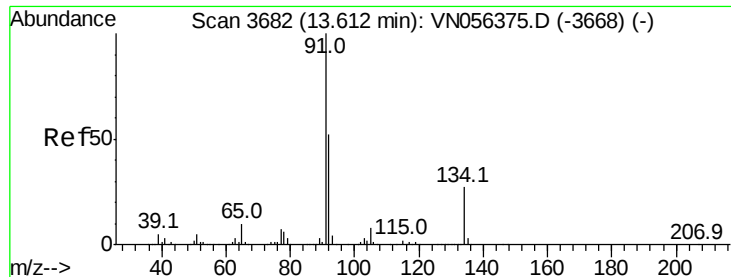
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#88
 1,4-Dichlorobenzene
 Concen: 5.158 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	18.4	55.4
148	64.5	32.4	97.0





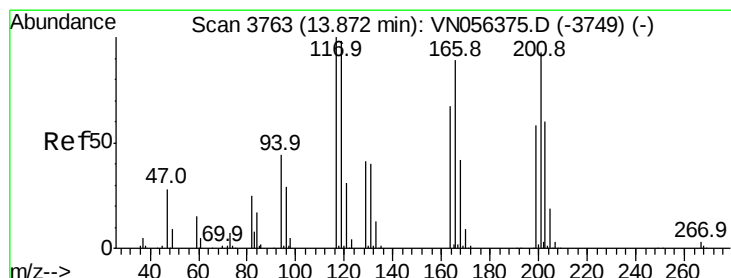
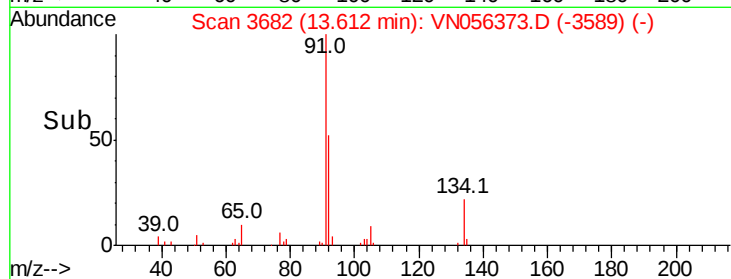
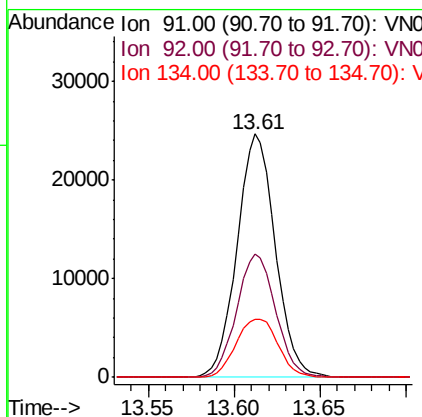
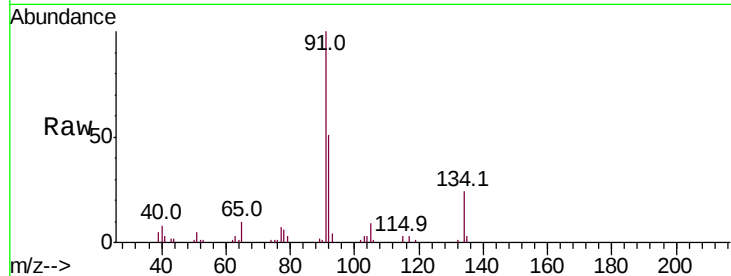
#89
n-Butylbenzene
Concen: 5.128 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.5
134	26.2	13.4	40.2

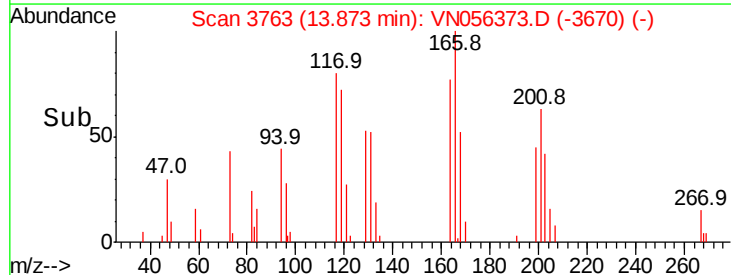
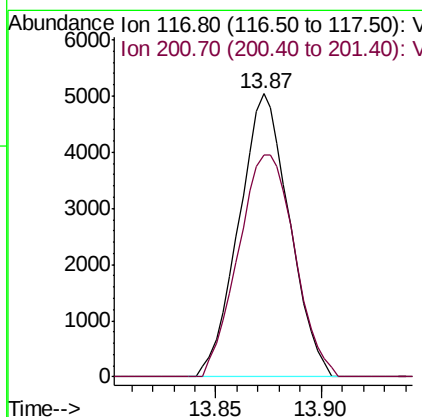
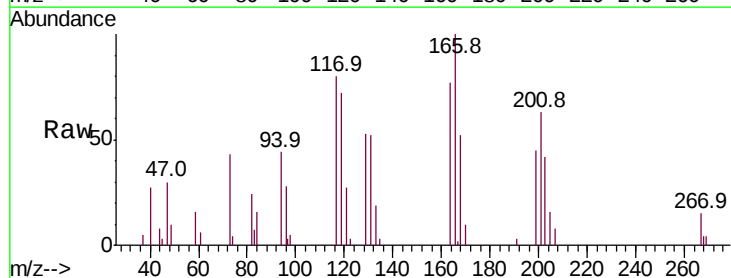
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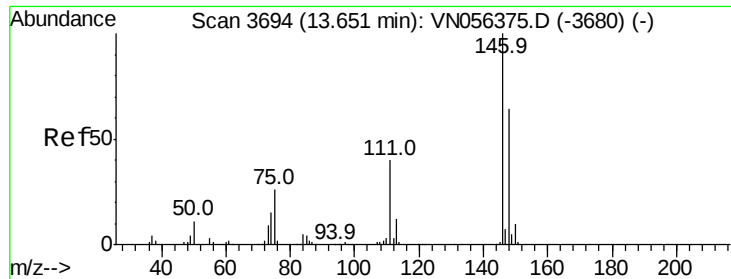
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#90
Hexachloroethane
Concen: 4.429 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056373.D
Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.5	45.9	137.6





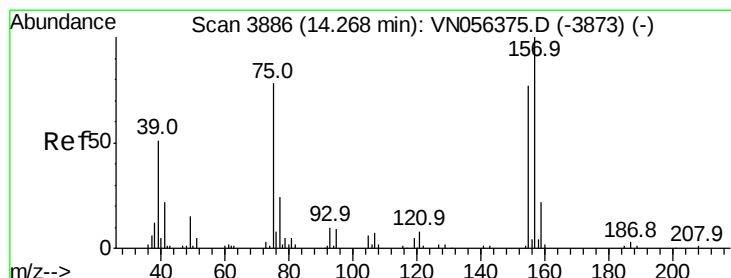
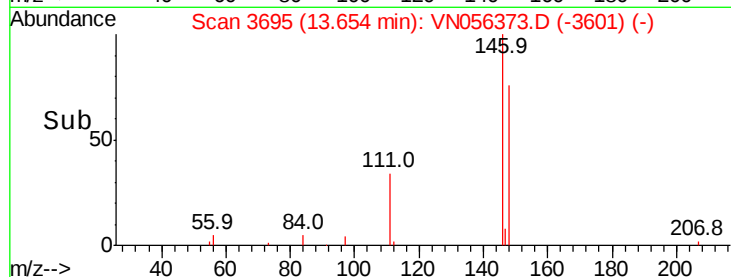
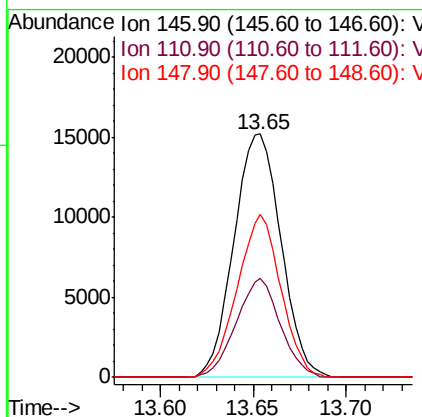
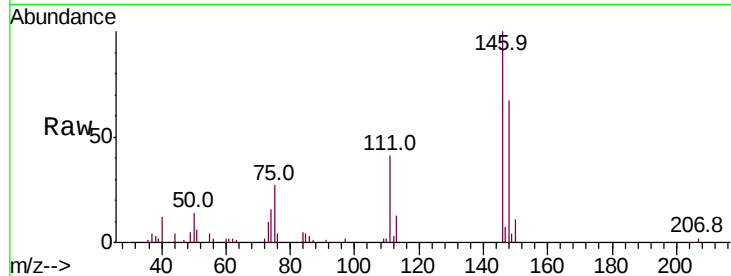
#91
 1,2-Dichlorobenzene
 Concen: 5.474 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.9
148	62.3	32.0	96.0

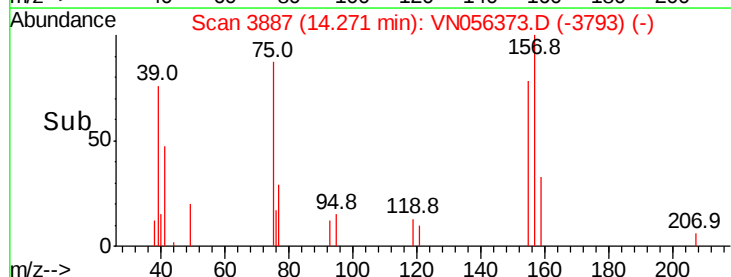
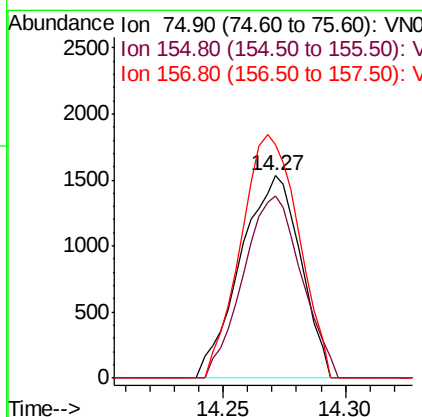
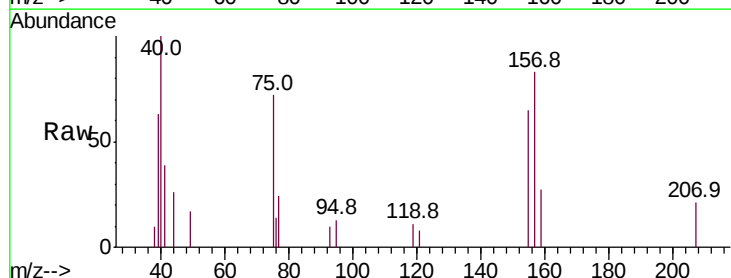
Manual Integrations
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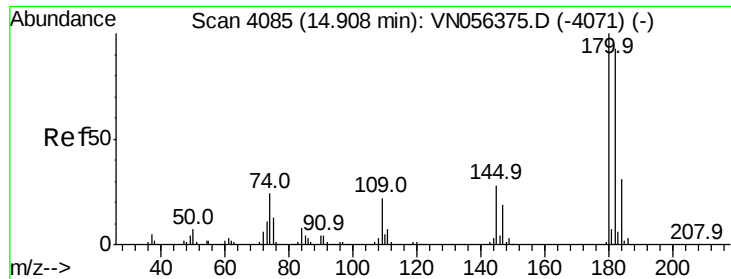
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.164 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	48.9	146.8
157	115.8	62.9	188.8





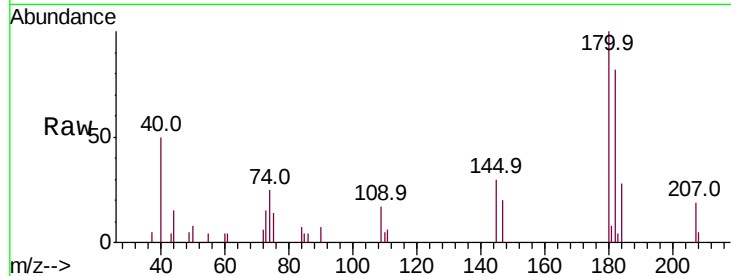
#93
 1,2,4-Trichlorobenzene
 Concen: 3.255 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

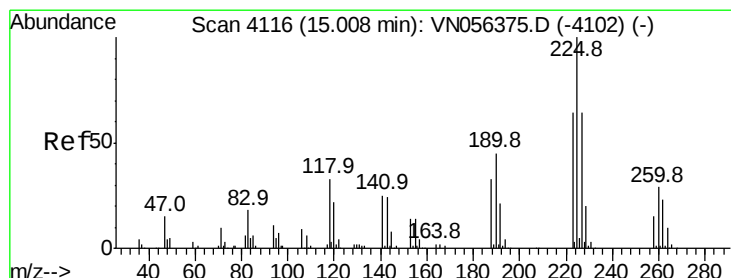
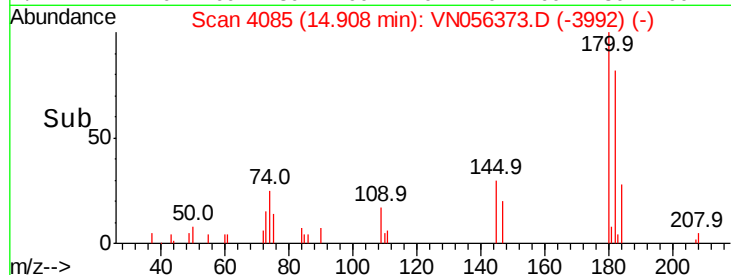
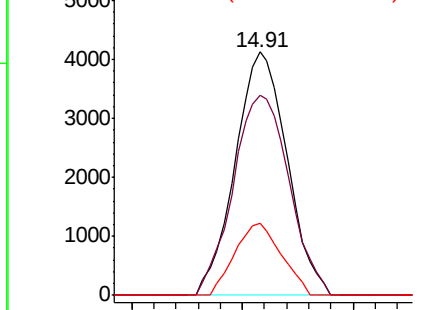
Tot Ion	Ratio	Lower	Upper
180	100		
182	88.6	46.9	140.6
145	26.6	14.4	43.0

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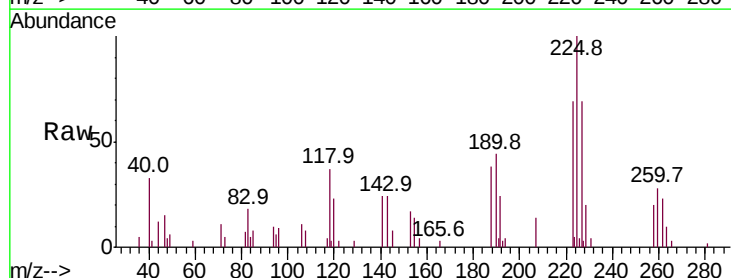


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

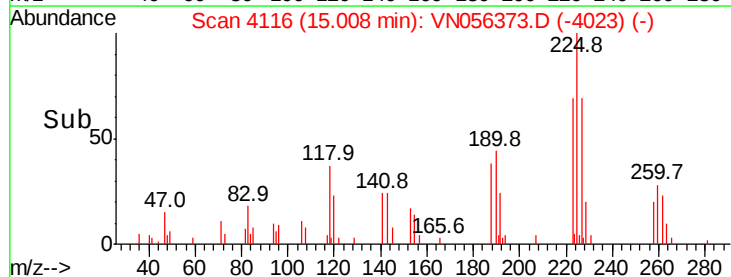
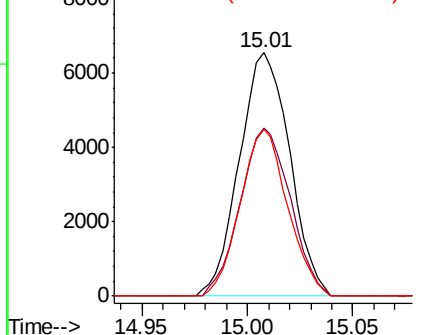


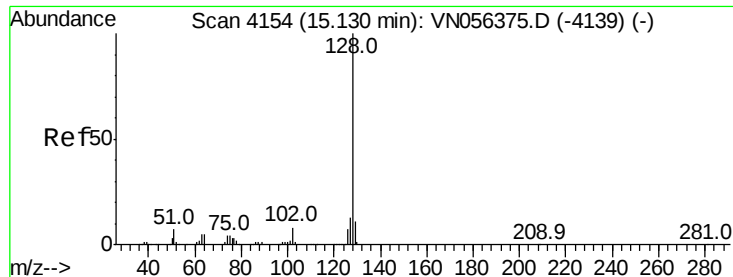
#94
 Hexachlorobutadiene
 Concen: 5.551 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056373.D
 Acq: 19 Jun 2019 9:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.2	31.4	94.3
227	64.5	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.502 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Instrument :

MSVOA_N

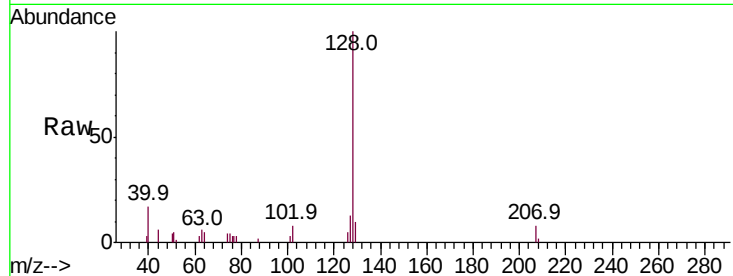
ClientSampleId :

VSTDIC005

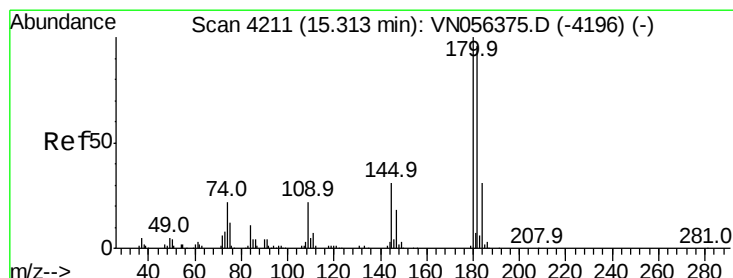
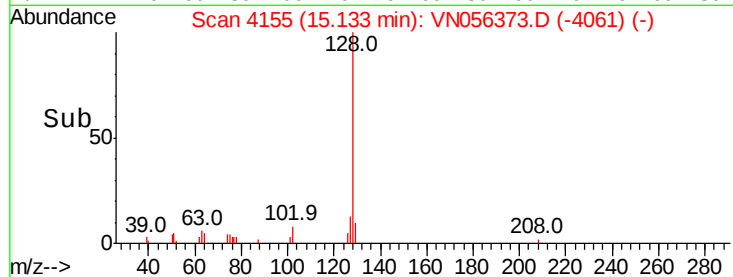
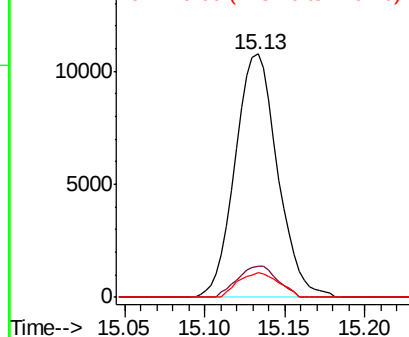
Tot Ion:	128	Resp:	19491
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.2	15.2
129	9.7	8.6	12.8

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.809 ug/l

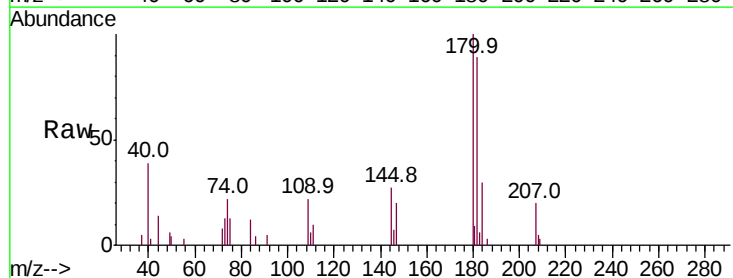
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056373.D

Acq: 19 Jun 2019 9:16

Tgt Ion:	180	Resp:	8475
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.3	144.8
145	31.9	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

