

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056374.D
 Acq On : 19 Jun 2019 9:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:52:05 PM

Quant Time: Jun 20 04:26:53 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	364655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	561964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	499737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	86709	21.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.32%	
35) Dibromofluoromethane	7.59	113	74318	20.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.56%	
50) Toluene-d8	10.09	98	281870	20.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.14%	
62) 4-Bromofluorobenzene	12.40	95	91690	20.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	66784	21.121	ug/l	99
3) Chloromethane	2.06	50	89612	21.078	ug/l	100
4) Vinyl Chloride	2.18	62	84201	20.181	ug/l	98
5) Bromomethane	2.53	94	52864m	21.907	ug/l	
6) Chloroethane	2.68	64	50047	20.970	ug/l	96
7) Trichlorofluoromethane	3.00	101	108062	20.193	ug/l	100
8) Diethyl Ether	3.41	74	44596	20.804	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67704	19.534	ug/l	98
10) Methyl Iodide	3.95	142	91987	20.551	ug/l	100
11) Tert butyl alcohol	4.80	59	79342	122.607	ug/l	97
12) 1,1-Dichloroethene	3.73	96	65570	19.551	ug/l	95
13) Acrolein	3.60	56	56956	227.521	ug/l	99
14) Allyl chloride	4.32	41	107295	19.116	ug/l	99
15) Acrylonitrile	4.99	53	190803	103.824	ug/l	99
16) Acetone	3.82	43	211042	95.380	ug/l	99
17) Carbon Disulfide	4.05	76	138201	15.793	ug/l	98
18) Methyl Acetate	4.32	43	82564	17.040	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	214248	20.803	ug/l	98
20) Methylene Chloride	4.55	84	80822	20.303	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	70393	19.756	ug/l	98
22) Diisopropyl ether	5.95	45	227266	20.440	ug/l	100
23) Vinyl Acetate	5.90	43	922005	102.130	ug/l	100
24) 1,1-Dichloroethane	5.85	63	130679	20.111	ug/l	99
25) 2-Butanone	6.84	43	279397	102.738	ug/l	99
26) 2,2-Dichloropropane	6.82	77	88101	18.802	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	83881	20.258	ug/l	98
28) Bromochloromethane	7.19	49	66115	20.327	ug/l	99
29) Tetrahydrofuran	7.21	42	167166	102.834	ug/l	100
30) Chloroform	7.37	83	130057	20.127	ug/l	100
31) Cyclohexane	7.65	56	125961	20.112	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	103478	19.392	ug/l	99
36) 1,1-Dichloropropene	7.79	75	95985	19.154	ug/l	99
37) Ethyl Acetate	6.93	43	103768	21.747	ug/l	99
38) Carbon Tetrachloride	7.77	117	84347	17.760	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120496	19.752	ug/l	97
40) Benzene	8.04	78	305951	20.142	ug/l	100
41) Methacrylonitrile	7.18	41	50098m	23.444	ug/l	
42) 1,2-Dichloroethane	8.12	62	100442	20.185	ug/l	100
43) Isopropyl Acetate	8.16	43	150294	19.723	ug/l #	92
44) Trichloroethene	8.83	130	82041	19.822	ug/l	99
45) 1,2-Dichloropropane	9.12	63	80577	20.035	ug/l	99
46) Dibromomethane	9.21	93	52063	19.572	ug/l	99
47) Bromodichloromethane	9.40	83	89591	17.780	ug/l	98
48) Methyl methacrylate	9.20	41	76226	19.969	ug/l	96
49) 1,4-Dioxane	9.20	88	31960	416.166	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	494202	101.929	ug/l	99
52) Toluene	10.16	92	186490	20.160	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	89101	17.714	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	108340	18.593	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	76114	19.936	ug/l	99
56) Ethyl methacrylate	10.43	69	110198	20.105	ug/l	100
57) 1,3-Dichloropropane	10.71	76	128810	20.051	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	190870	105.358	ug/l	99
59) 2-Hexanone	10.75	43	366005	101.952	ug/l	99
60) Dibromochloromethane	10.90	129	66976	17.015	ug/l	99
61) 1,2-Dibromoethane	11.00	107	76320	19.482	ug/l	99
64) Tetrachloroethene	10.63	164	79882	19.703	ug/l	98
65) Chlorobenzene	11.43	112	198929	19.709	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	67180	17.943	ug/l	98
67) Ethyl Benzene	11.51	91	351679	20.258	ug/l	99
68) m/p-Xylenes	11.62	106	266054	41.253	ug/l	99
69) o-Xylene	11.95	106	131499	20.688	ug/l	98
70) Styrene	11.96	104	206782	20.161	ug/l	99
71) Bromoform	12.13	173	44406	15.574	ug/l #	99
73) Isopropylbenzene	12.25	105	341217	21.090	ug/l	100
74) N-amyl acetate	12.07	43	122757	20.637	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	106454	20.142	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	86273m	21.482	ug/l	
77) Bromobenzene	12.53	156	86362	20.265	ug/l	98
78) n-propylbenzene	12.59	91	360004	21.279	ug/l	100
79) 2-Chlorotoluene	12.67	91	224544	20.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	278087	21.127	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20664	16.392	ug/l	92
82) 4-Chlorotoluene	12.77	91	207179	20.829	ug/l	100
83) tert-Butylbenzene	12.99	119	248429	21.025	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	267172	21.776	ug/l	99
85) sec-Butylbenzene	13.17	105	320620	21.571	ug/l	99
86) p-Isopropyltoluene	13.29	119	273286	21.492	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	131294	20.436	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	123049	19.967	ug/l	99
89) n-Butylbenzene	13.61	91	193206	20.293	ug/l	99
90) Hexachloroethane	13.87	117	39357	16.164	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	129931	20.608	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13715	16.993	ug/l	98

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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	44482	16.757	ug/l	99
94) Hexachlorobutadiene	15.01	225	49147	19.507	ug/l	98
95) Naphthalene	15.13	128	122170	17.079	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51050	17.854	ug/l	99

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

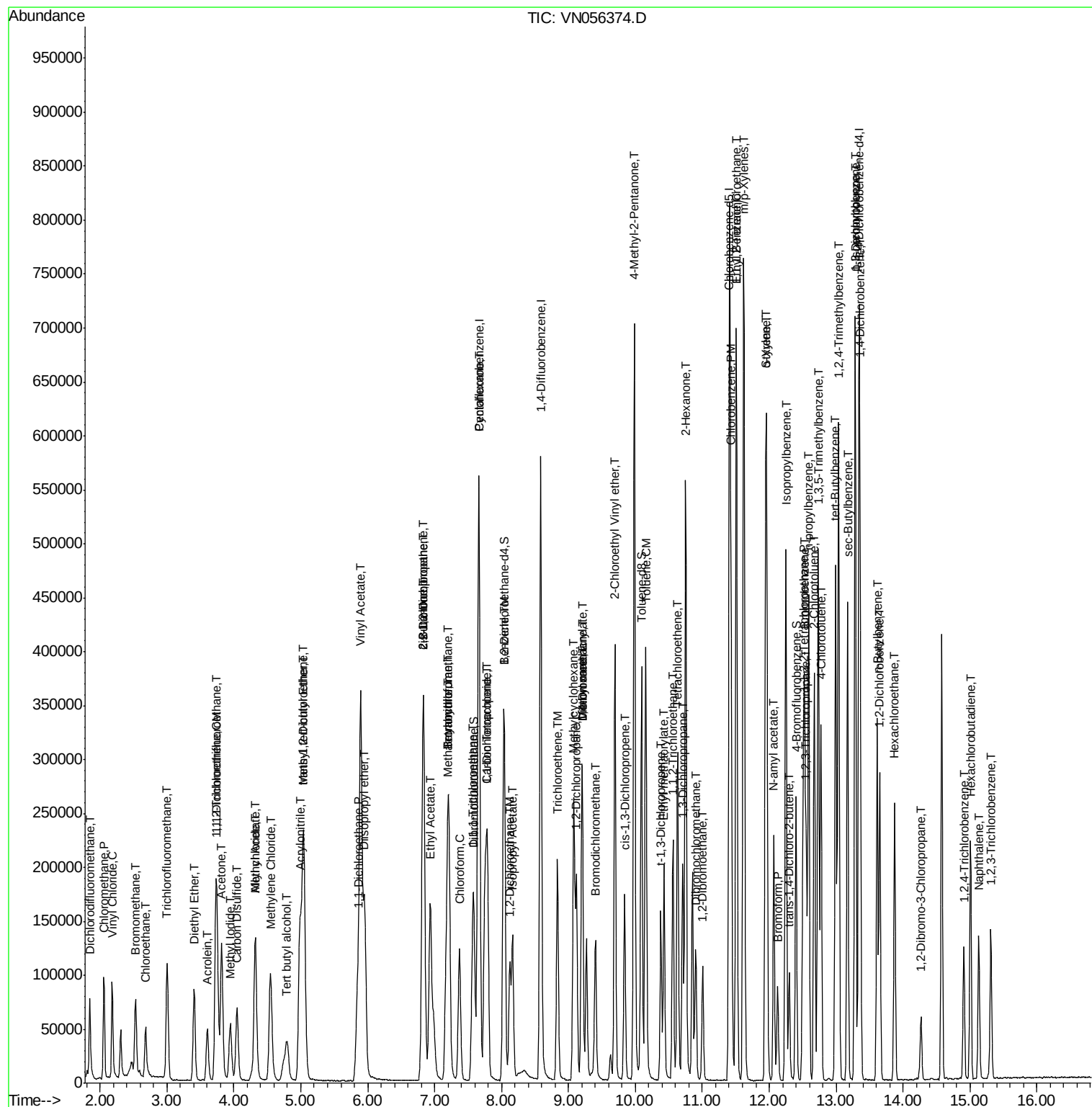
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
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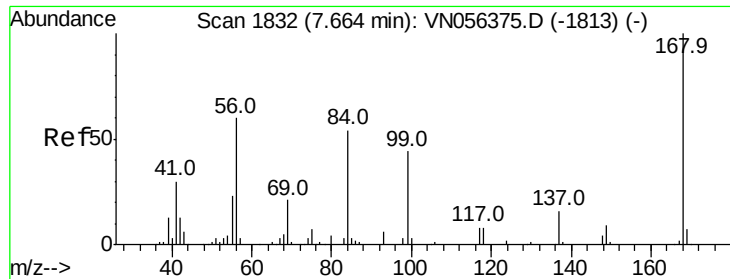
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 364655

Ion Ratio Lower Upper

168 100

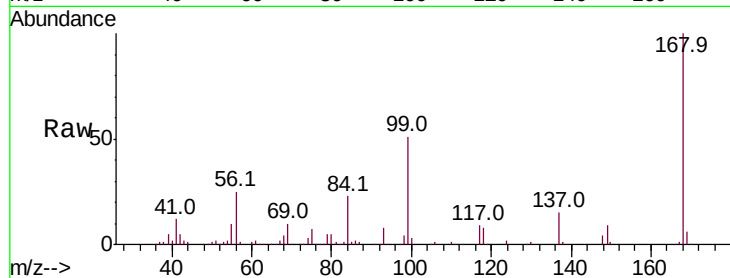
99 50.1 40.6 61.0

Manual Integrations

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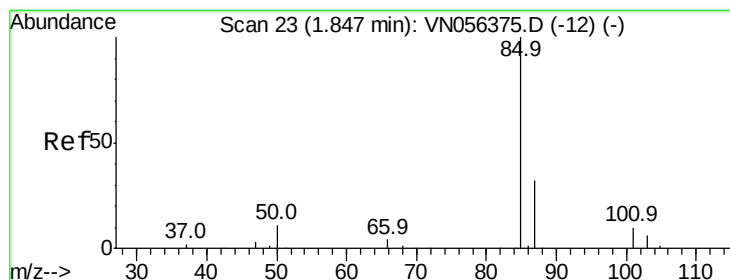
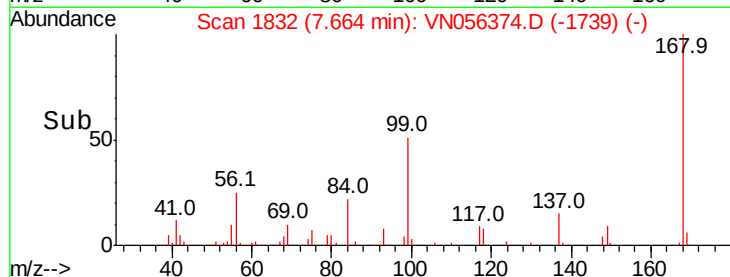
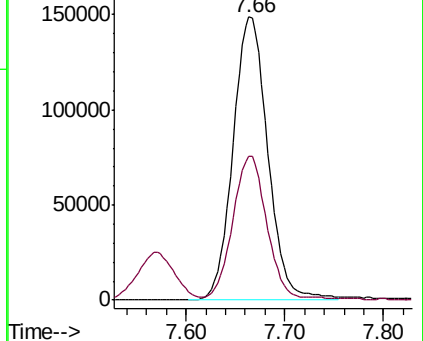
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.121 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056374.D

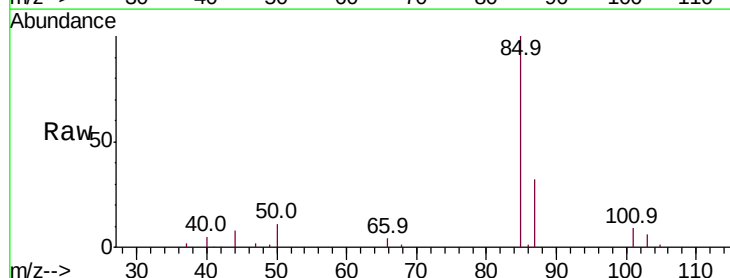
Acq: 19 Jun 2019 9:39

Tgt Ion: 85 Resp: 66784

Ion Ratio Lower Upper

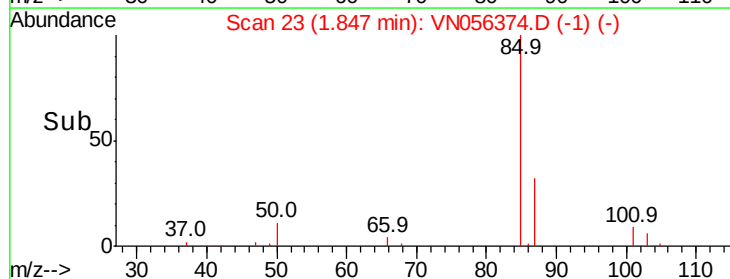
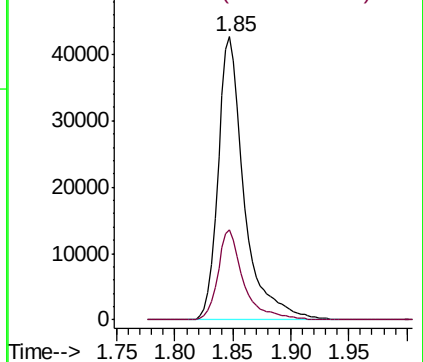
85 100

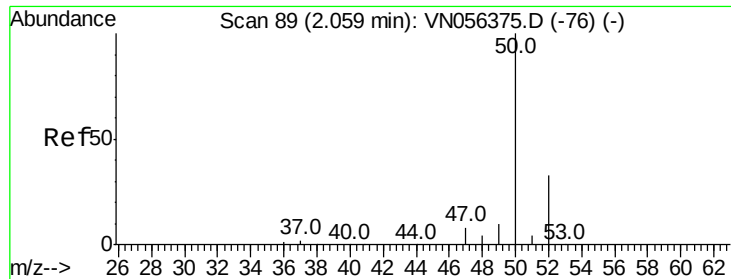
87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 21.078 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 89612

Ion Ratio Lower Upper

50 100

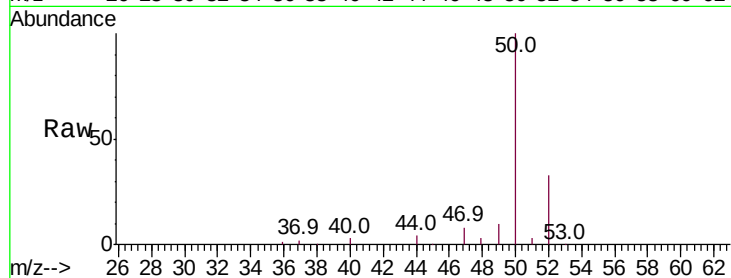
52 32.9 26.5 39.7

Manual Integrations

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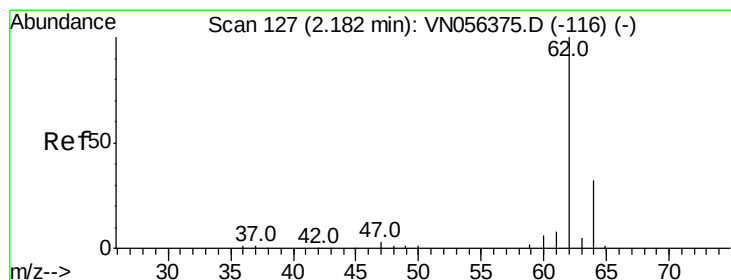
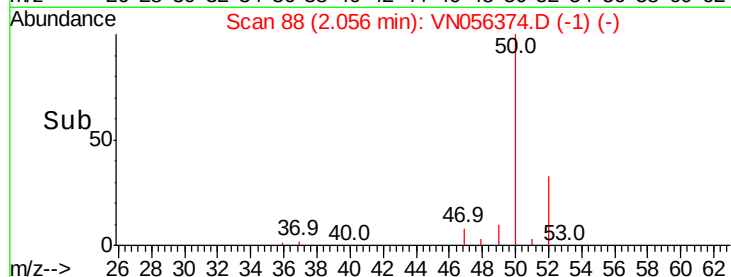
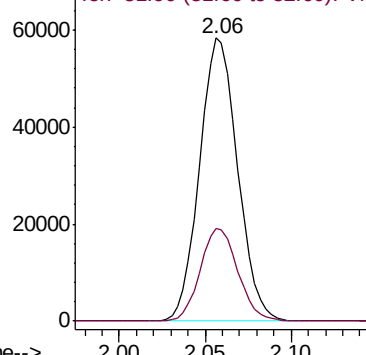
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.181 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056374.D

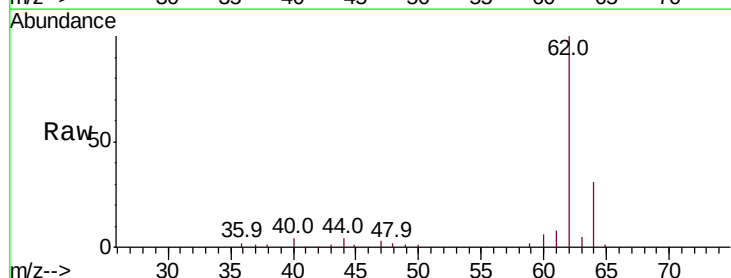
Acq: 19 Jun 2019 9:39

Tgt Ion: 62 Resp: 84201

Ion Ratio Lower Upper

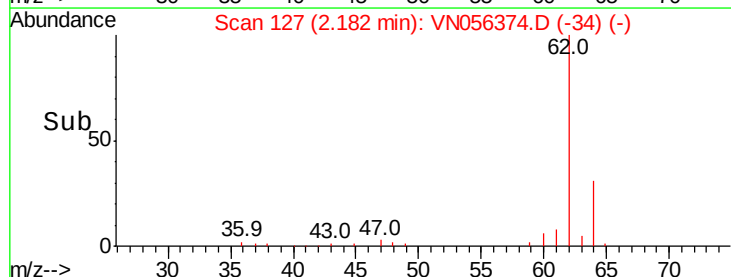
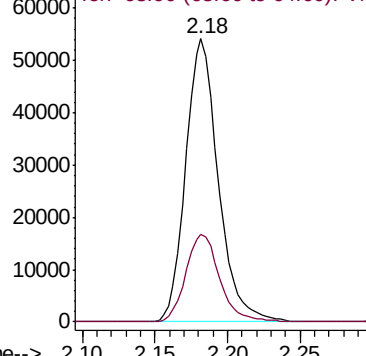
62 100

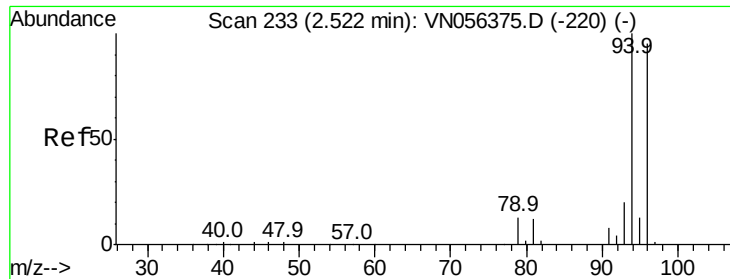
64 31.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.907 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 52864

Ion Ratio Lower Upper

94 100

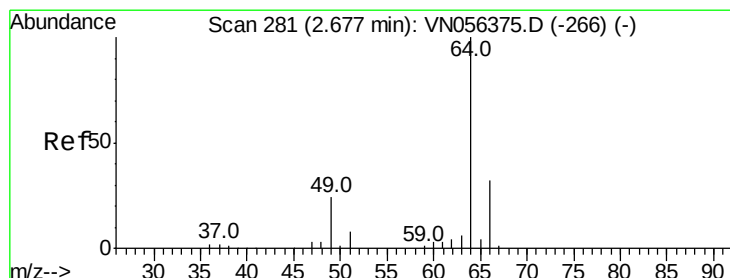
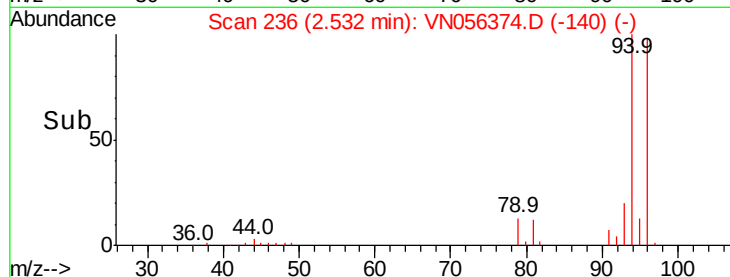
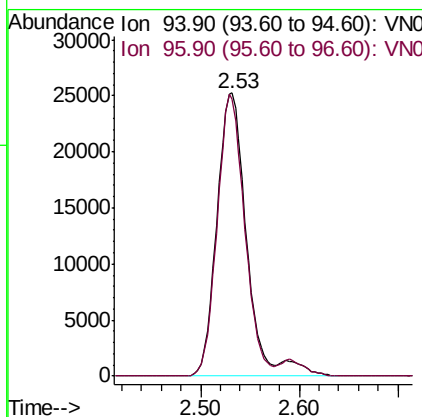
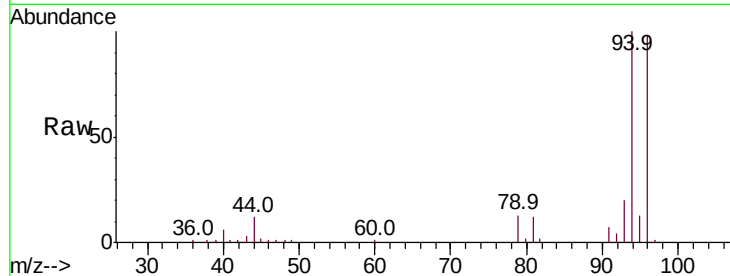
96 97.9 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 20.970 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN056374.D

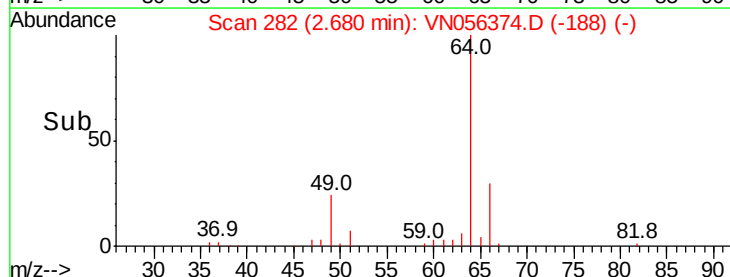
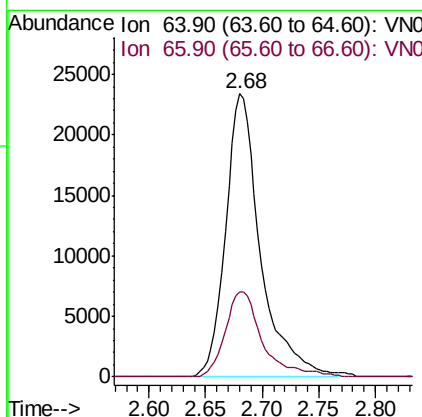
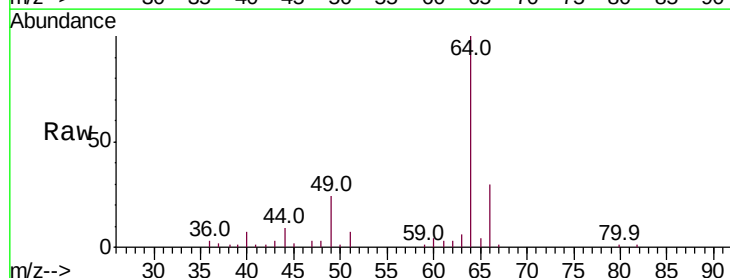
Acq: 19 Jun 2019 9:39

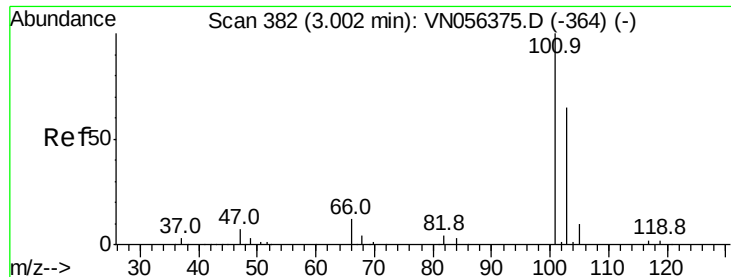
Tgt Ion: 64 Resp: 50047

Ion Ratio Lower Upper

64 100

66 29.8 25.8 38.8





#7

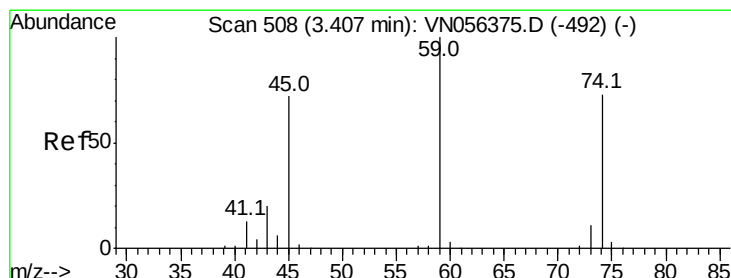
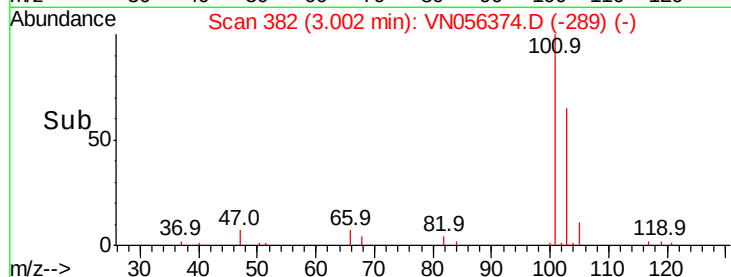
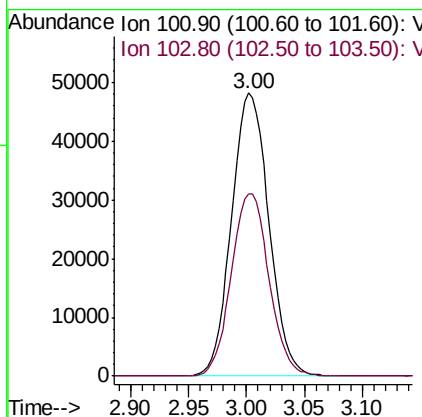
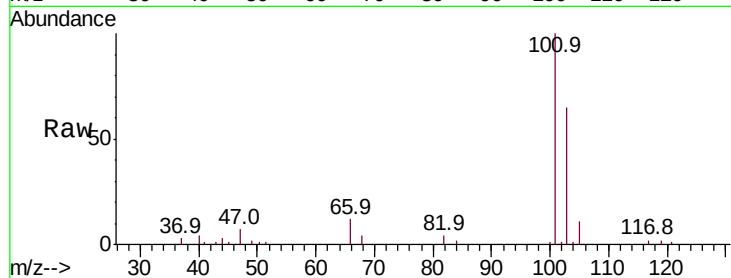
Trichlorofluoromethane
Concen: 20.193 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:101 Resp: 108062
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5

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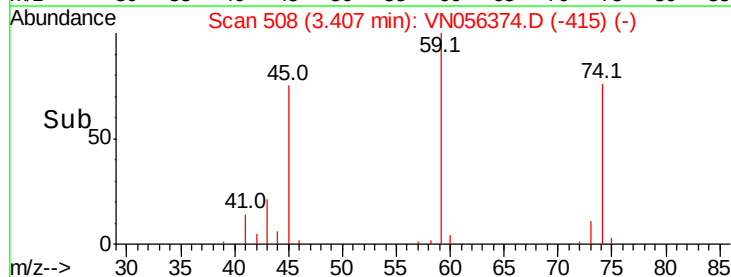
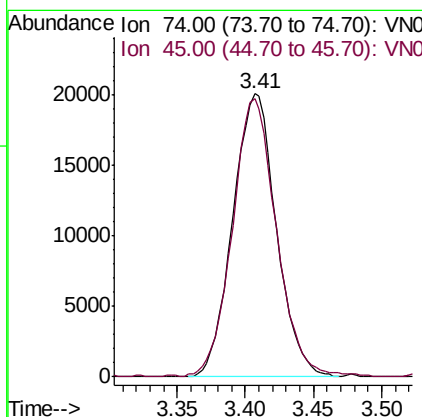
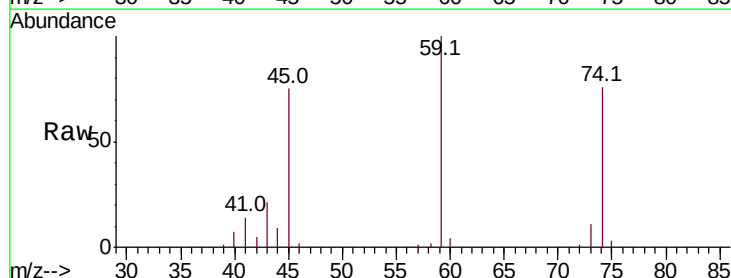
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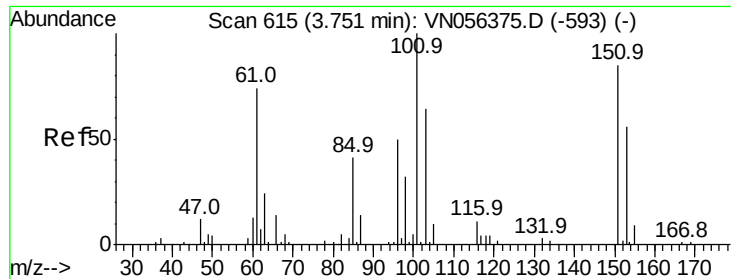


#8

Diethyl Ether
Concen: 20.804 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion: 74 Resp: 44596
Ion Ratio Lower Upper
74 100
45 99.7 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.534 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:101 Resp: 67704

Ion Ratio Lower Upper

101 100

85 42.5 32.7 49.1

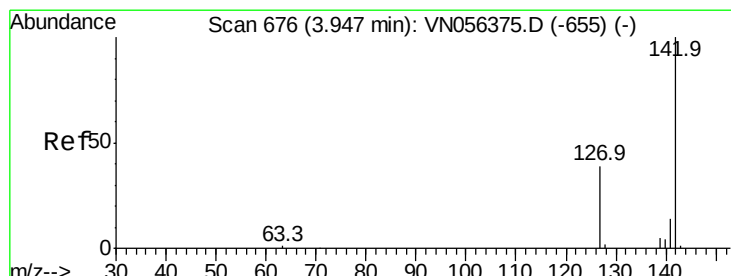
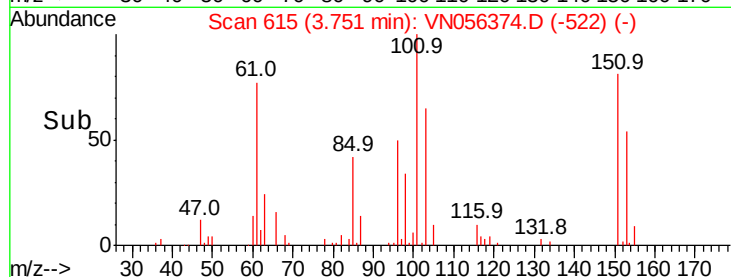
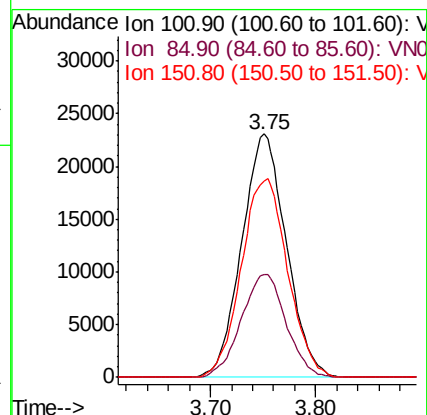
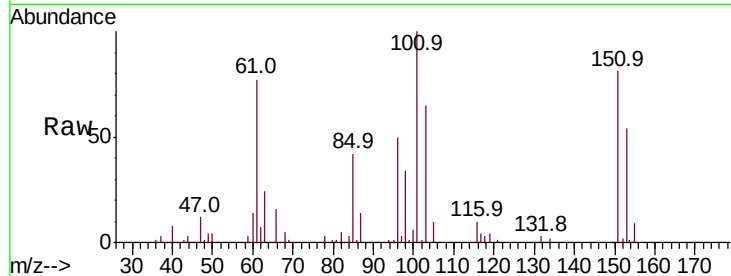
151 84.9 66.8 100.2

Manual Integrations

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#10

Methyl Iodide

Concen: 20.551 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

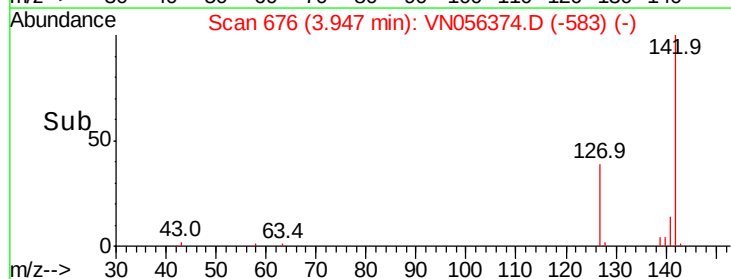
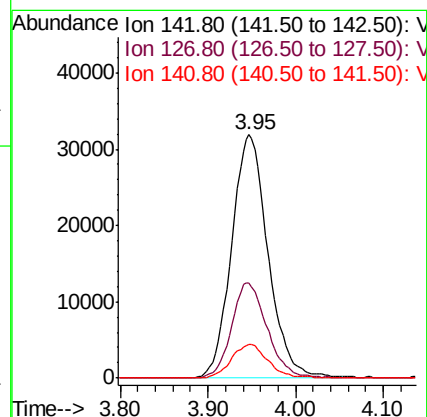
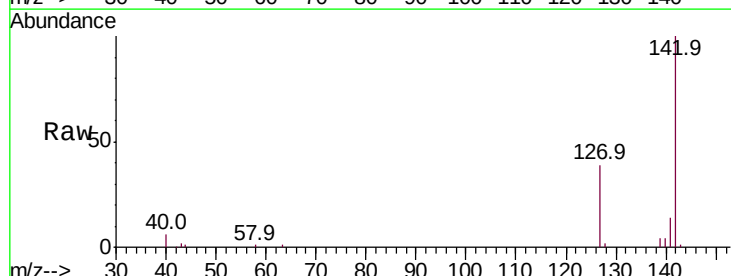
Tgt Ion:142 Resp: 91987

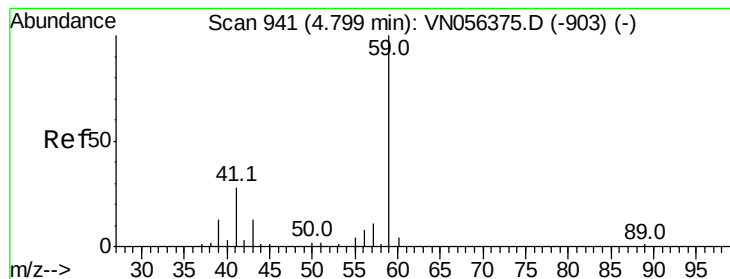
Ion Ratio Lower Upper

142 100

127 38.1 30.6 46.0

141 13.9 11.4 17.2





#11

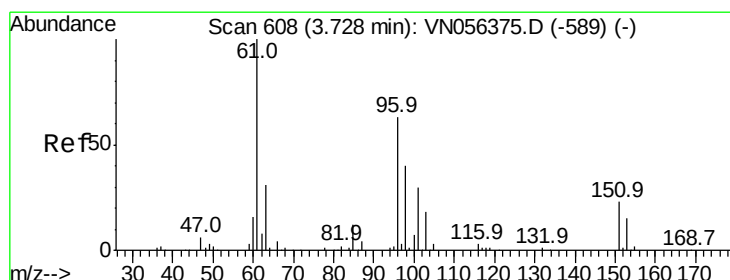
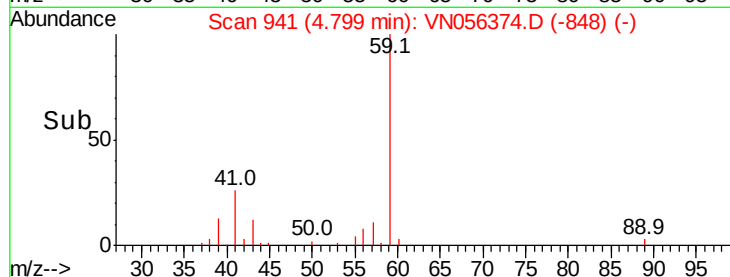
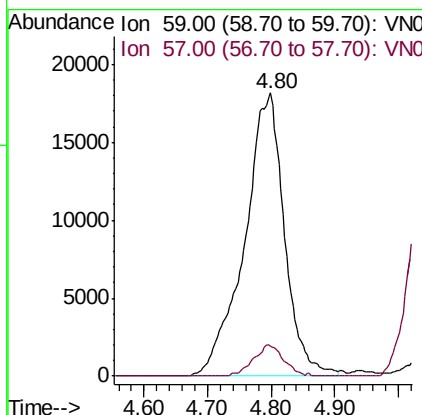
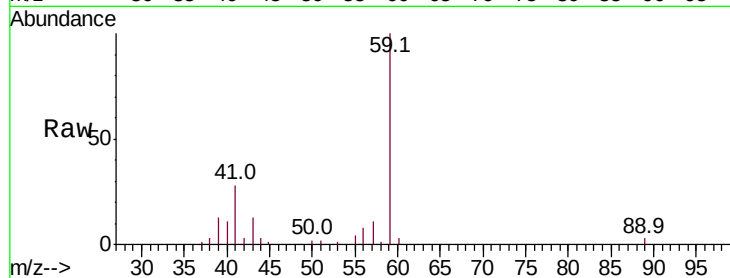
Tert butyl alcohol
Concen: 122.607 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	7.6	11.4

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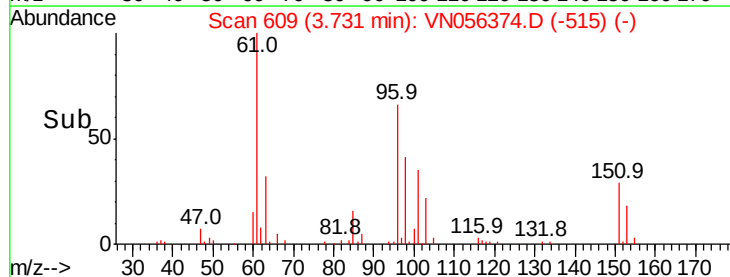
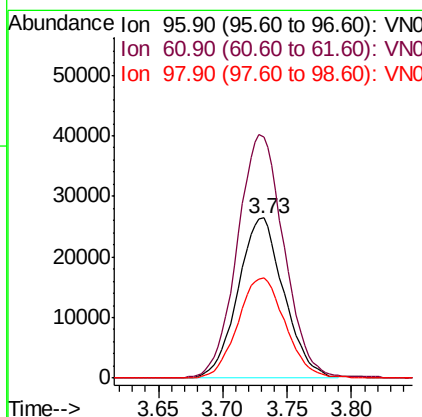
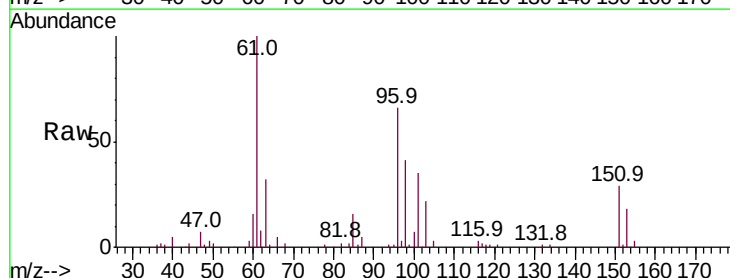
MMDadoda
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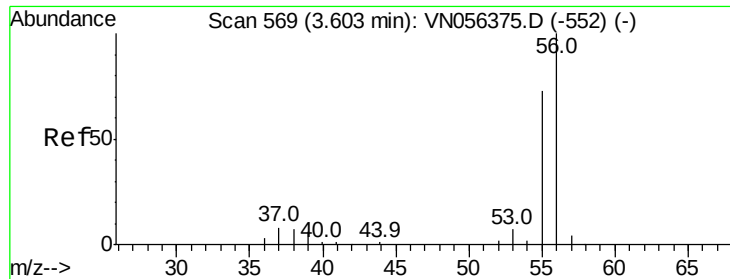


#12

1,1-Dichloroethene
Concen: 19.551 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	126.6	190.0
98	62.5	51.1	76.7





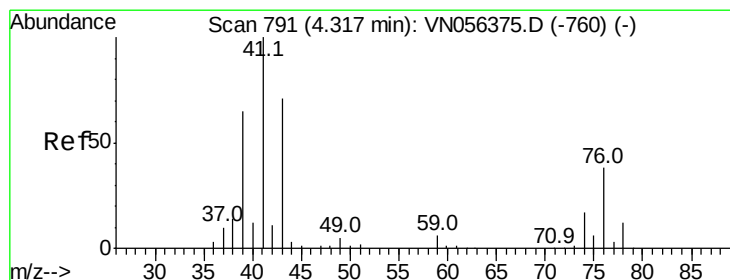
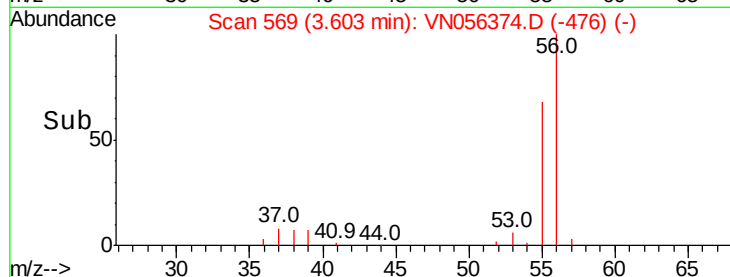
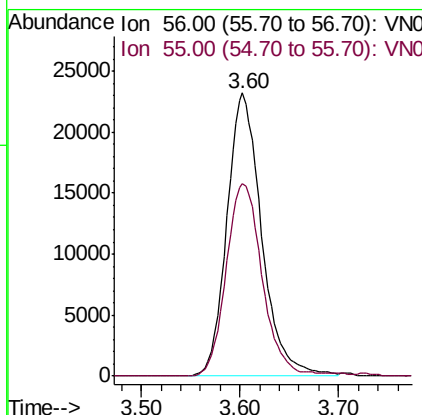
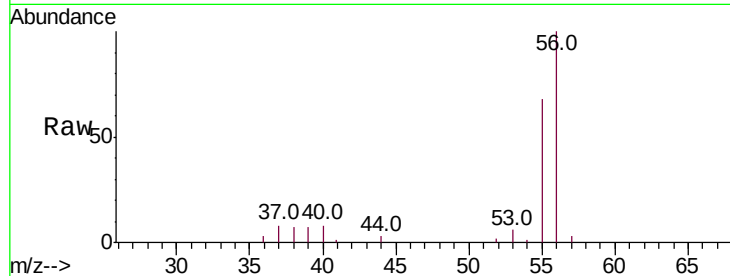
#13
Acrolein
Concen: 227.521 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	56	Resp	56956
Ion Ratio	100	Lower	Upper
56	100		
55	70.6	57.1	85.7

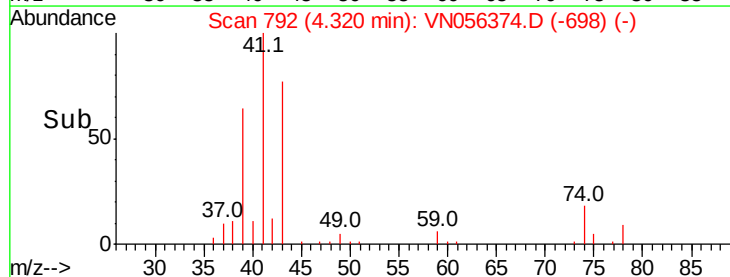
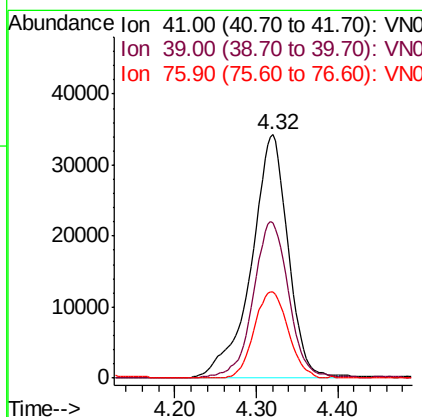
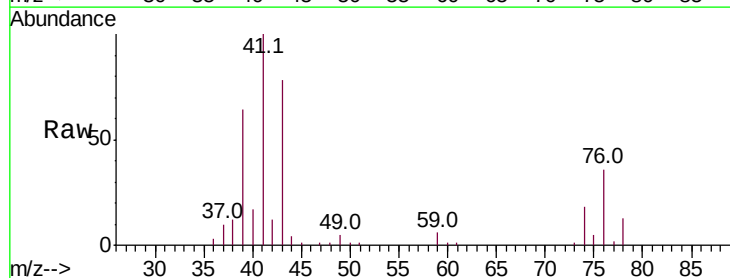
Manual Integrations
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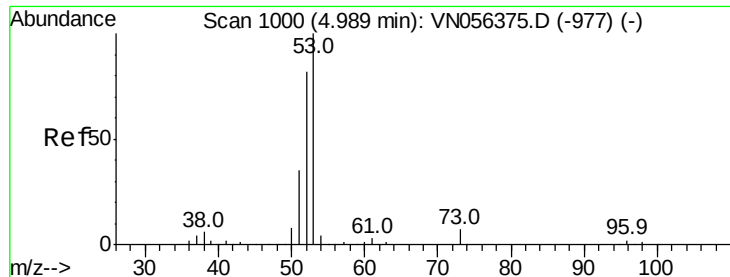
MMDadoda
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#14
Allyl chloride
Concen: 19.116 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	41	Resp	107295
Ion Ratio	100	Lower	Upper
41	100		
39	61.8	48.6	73.0
76	32.7	26.6	40.0





#15

Acrylonitrile

Concen: 103.824 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

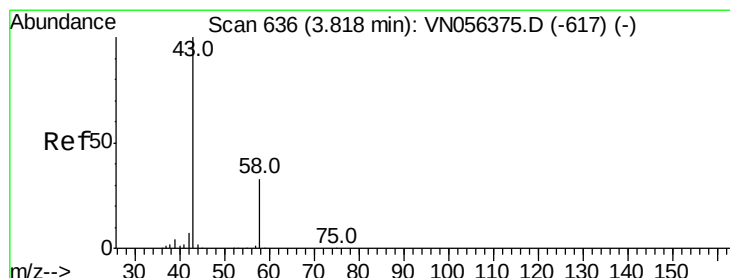
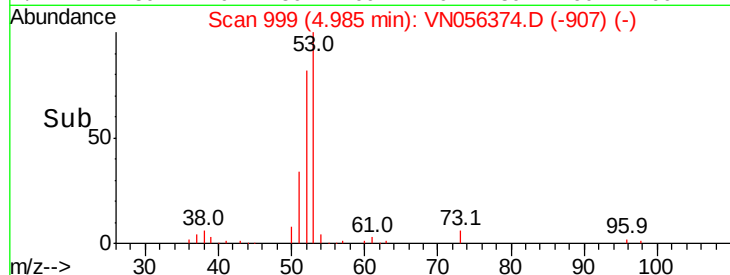
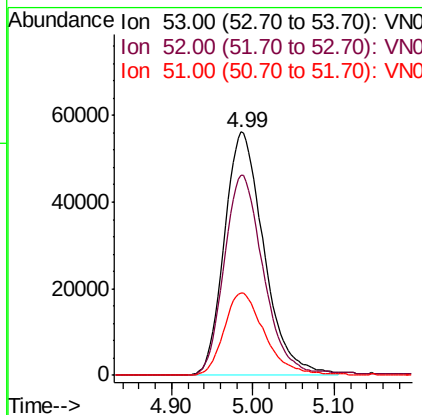
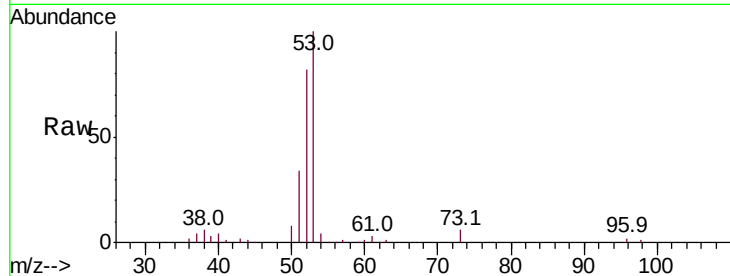
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	190803
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.9	98.9
51	35.1	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 95.380 ug/l

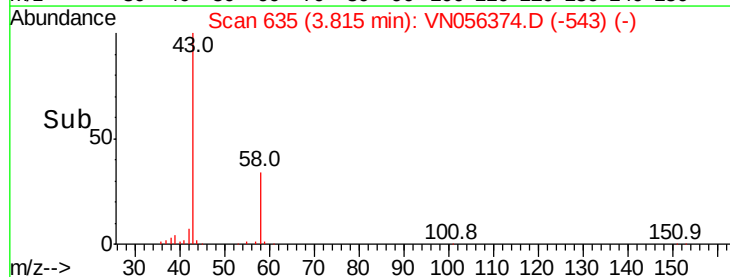
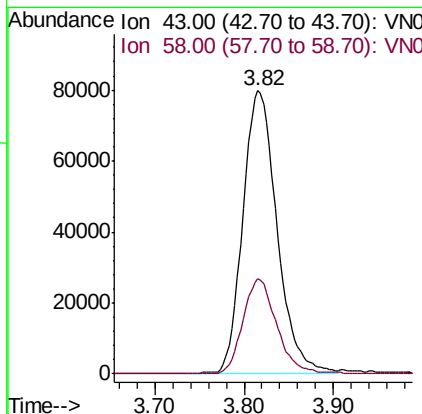
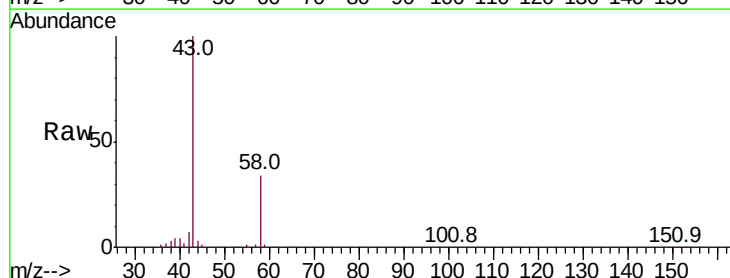
RT: 3.82 min Scan# 635

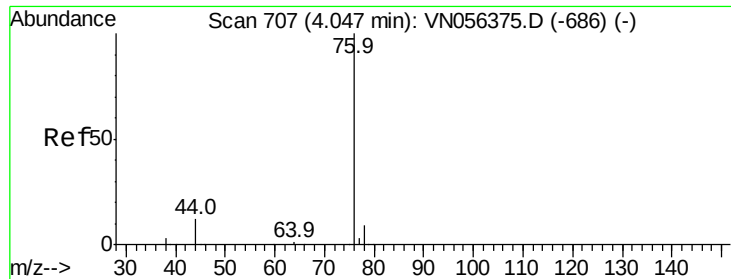
Delta R.T. -0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Tgt Ion:	43	Resp:	211042
Ion Ratio	Lower	Upper	
43	100		
58	33.6	26.4	39.6





#17

Carbon Disulfide

Concen: 15.793 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 138201

Ion Ratio Lower Upper

76 100

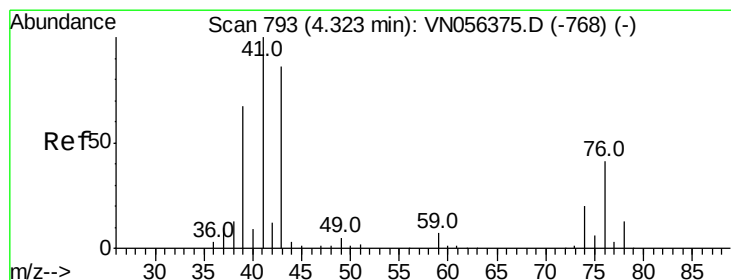
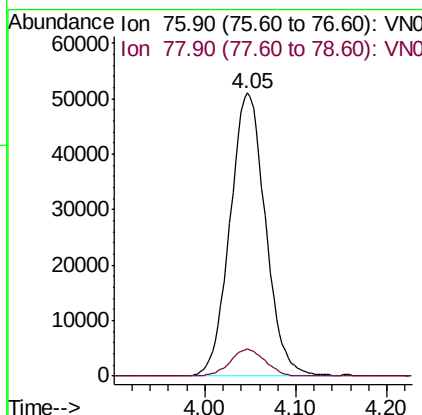
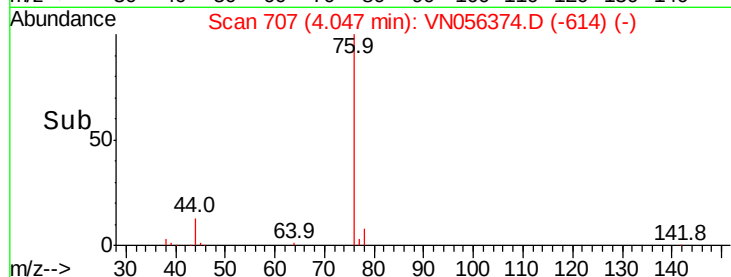
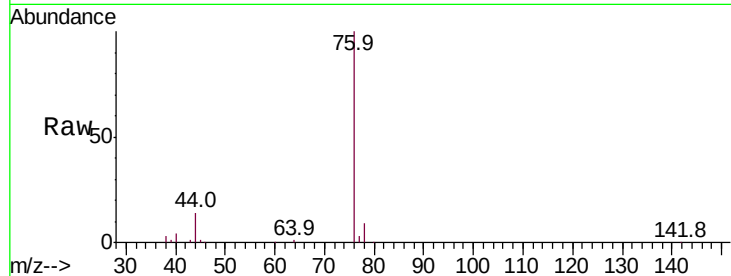
78 9.5 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 17.040 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056374.D

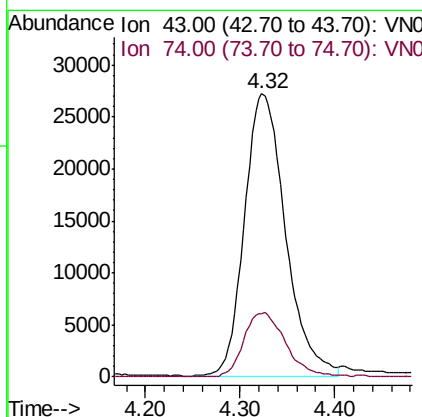
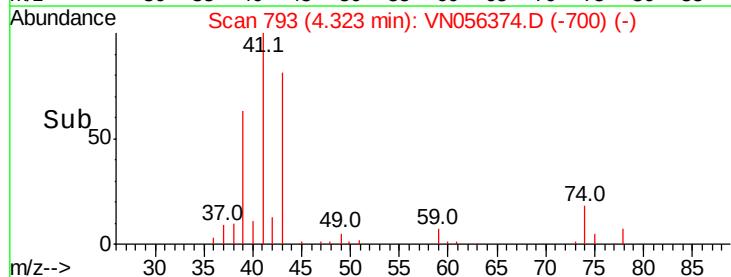
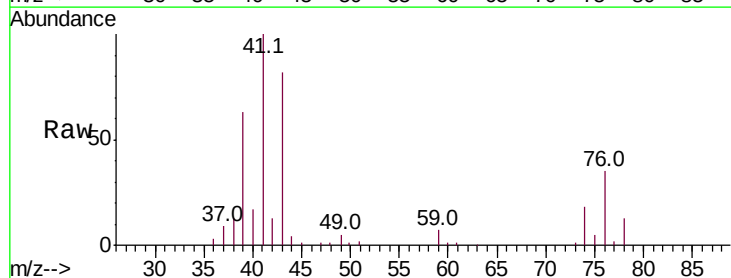
Acq: 19 Jun 2019 9:39

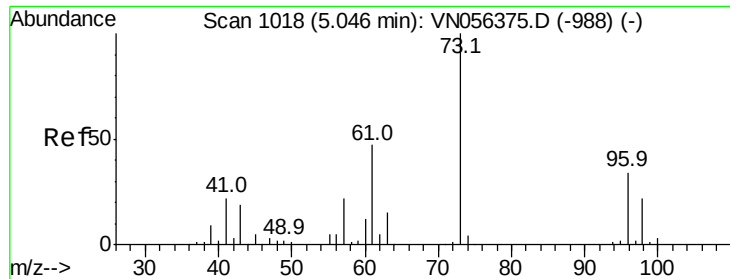
Tgt Ion: 43 Resp: 82564

Ion Ratio Lower Upper

43 100

74 23.0 19.2 28.8





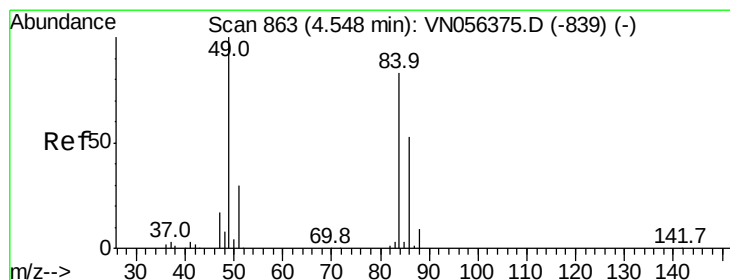
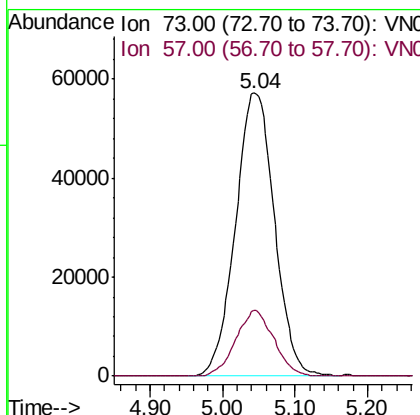
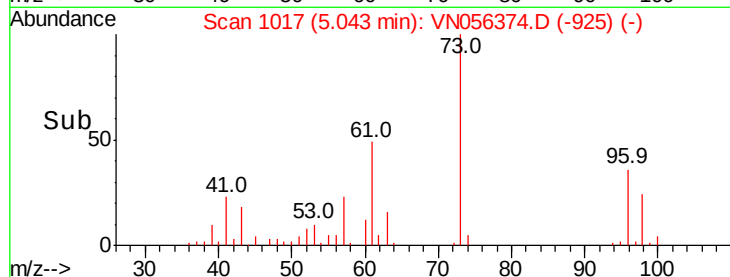
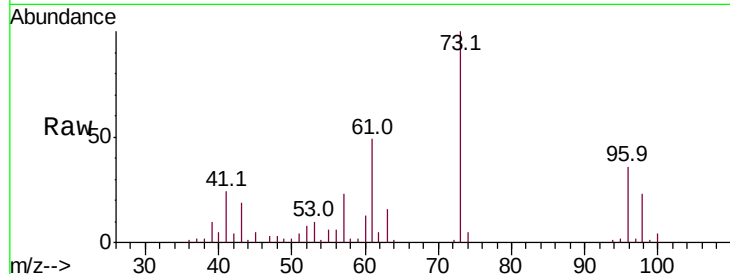
#19
Methyl tert-butyl Ether
Concen: 20.803 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 214248
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9

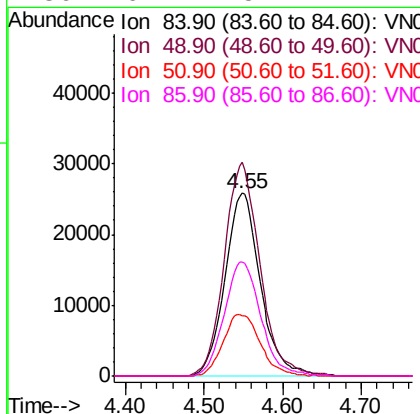
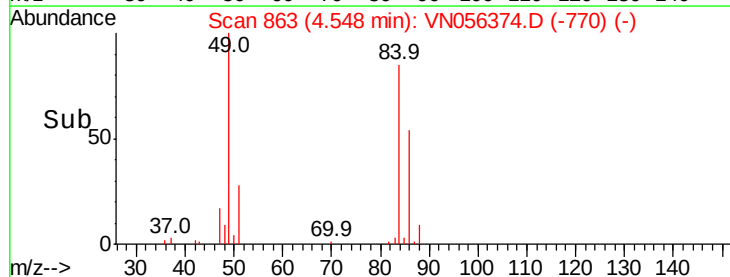
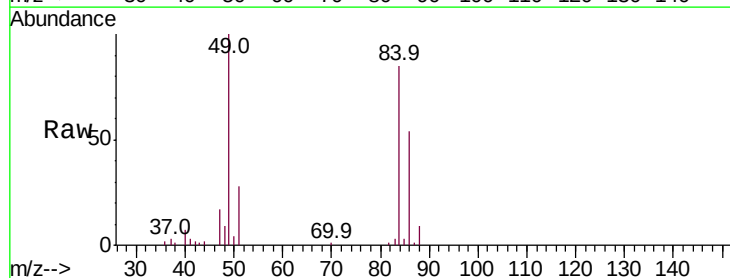
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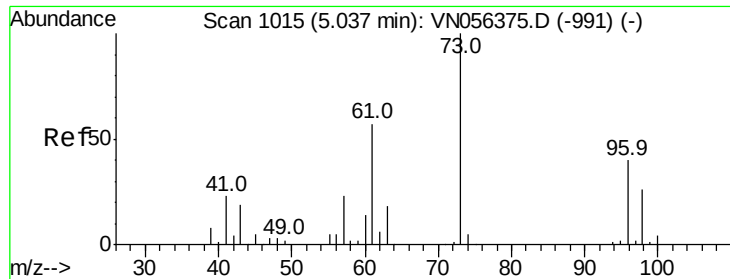
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6/21/2019 10:52:05 PM



#20
Methylene Chloride
Concen: 20.303 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion: 84 Resp: 80822
Ion Ratio Lower Upper
84 100
49 117.0 96.4 144.6
51 33.3 28.6 43.0
86 62.7 51.4 77.2





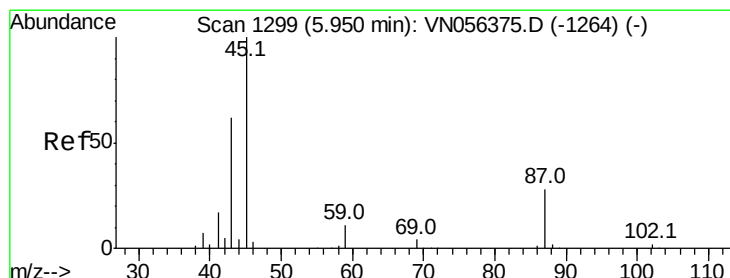
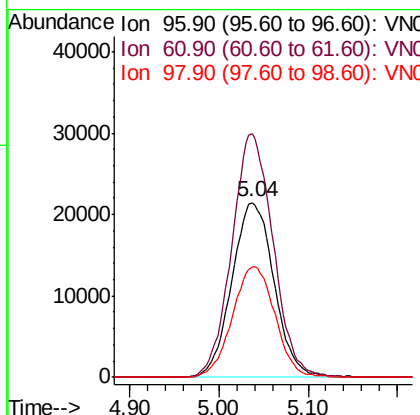
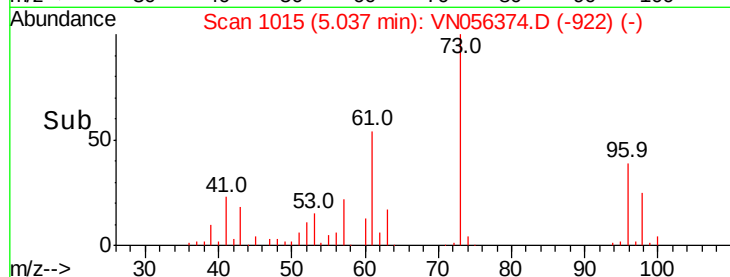
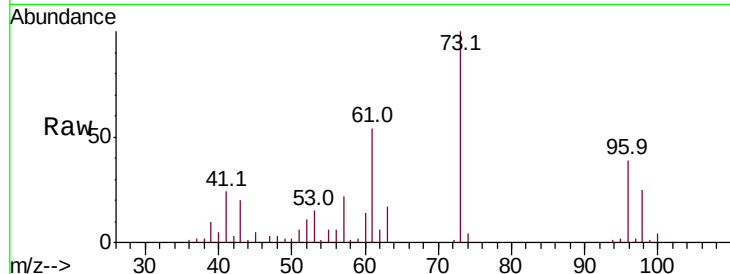
#21
trans-1,2-Dichloroethene
Concen: 19.756 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	113.0	169.6
98	63.2	52.2	78.2

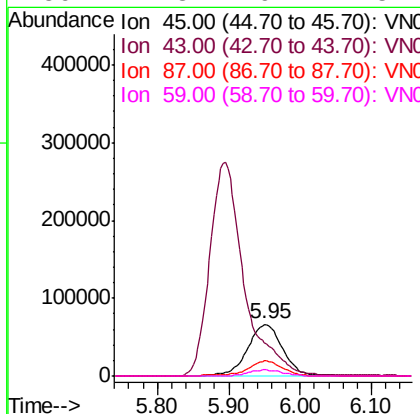
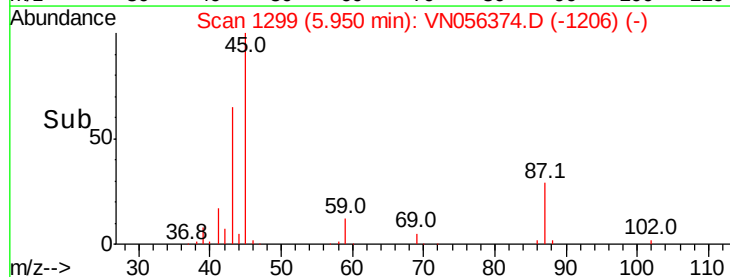
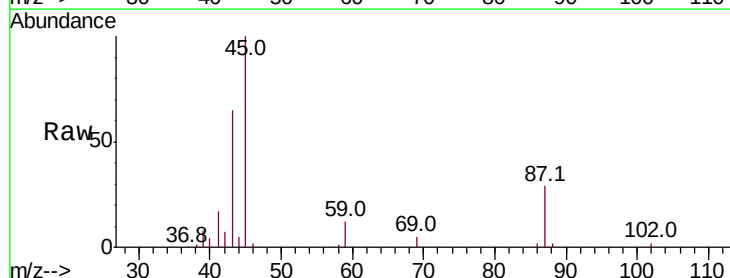
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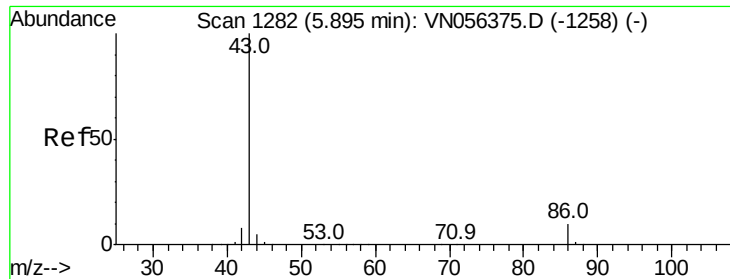
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#22
Diisopropyl ether
Concen: 20.440 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	50.4	75.6
87	28.7	23.0	34.4
59	11.3	9.1	13.7





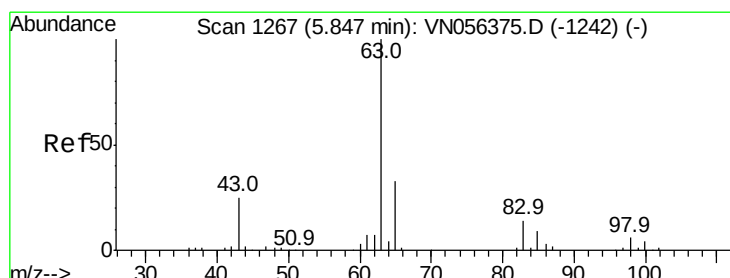
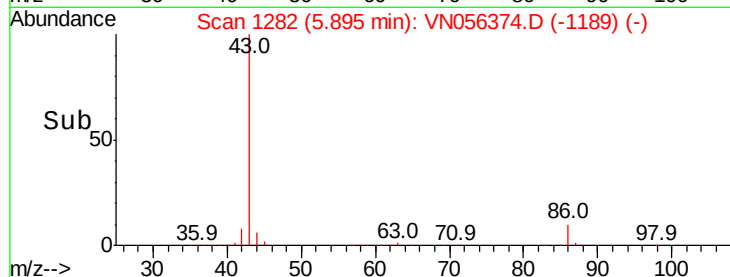
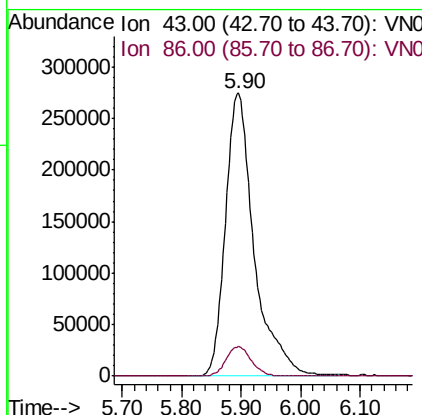
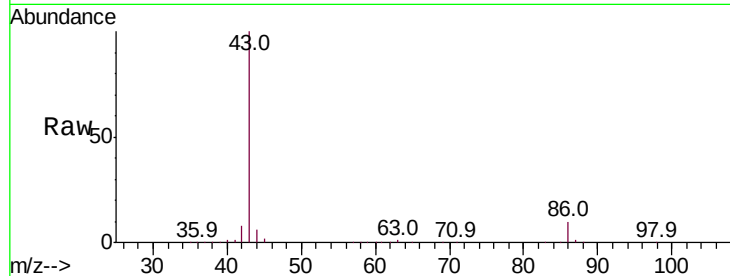
#23
 Vinyl Acetate
 Concen: 102.130 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

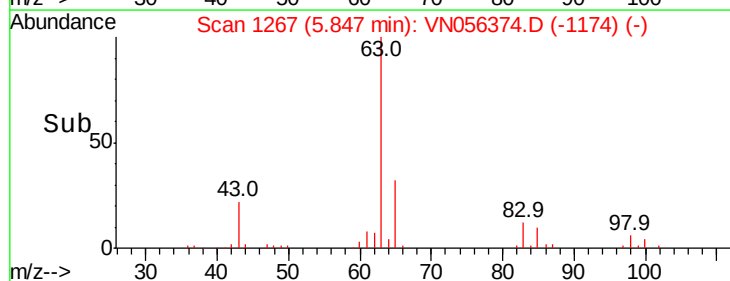
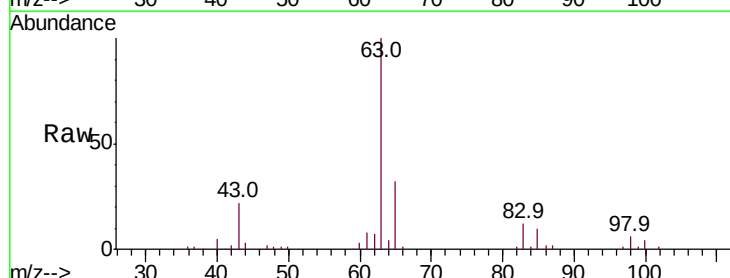
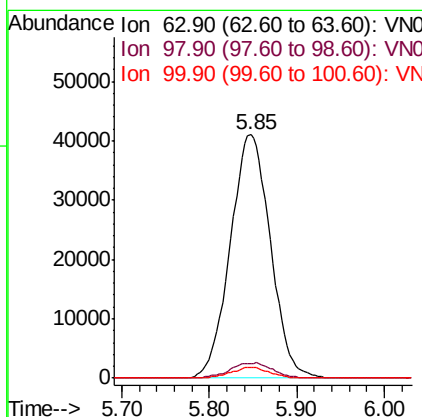
Manual Integrations
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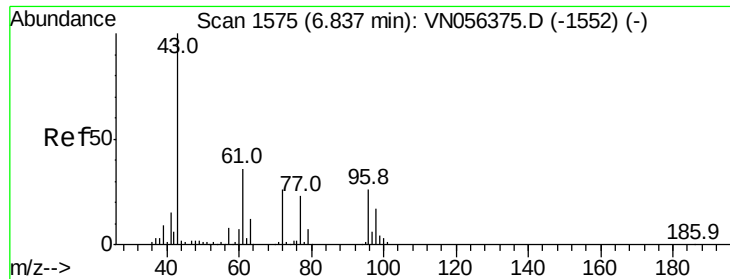
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 20.111 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.2	9.6
100	4.2	2.1	6.5





#25

2-Butanone

Concen: 102.738 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 279397

Ion Ratio Lower Upper

43 100

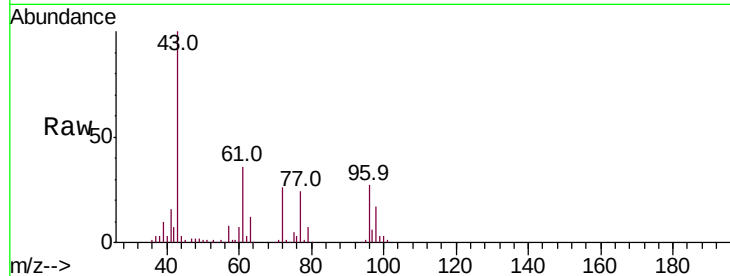
72 26.3 20.6 31.0

Manual Integrations

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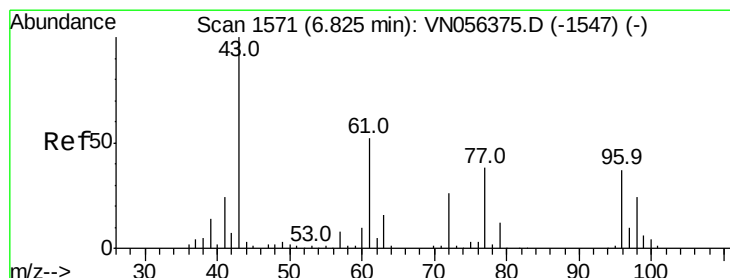
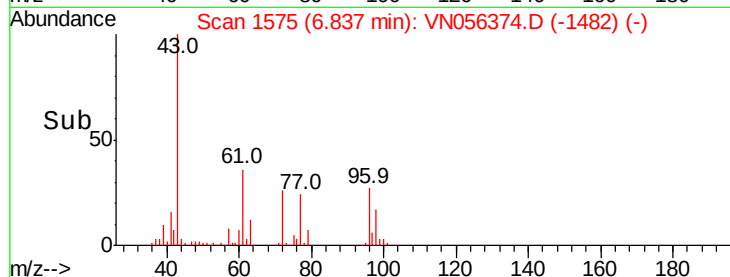
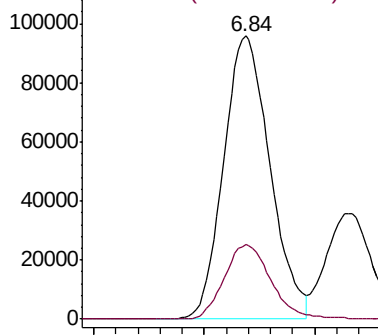
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.802 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056374.D

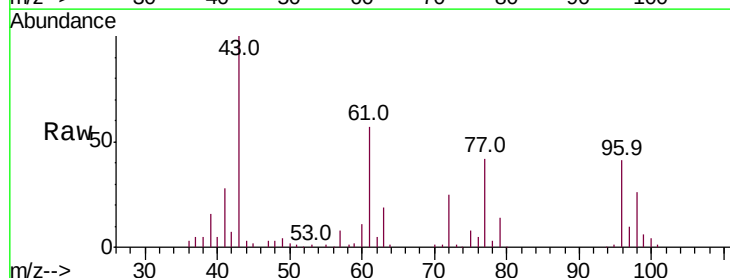
Acq: 19 Jun 2019 9:39

Tgt Ion: 77 Resp: 88101

Ion Ratio Lower Upper

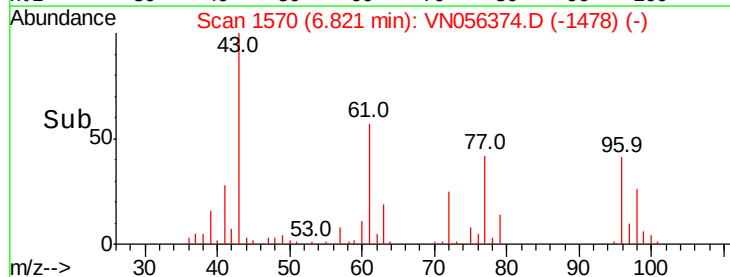
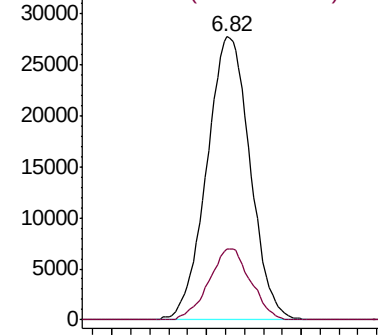
77 100

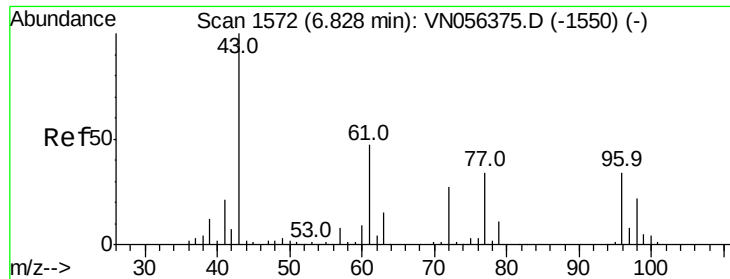
97 24.2 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.258 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

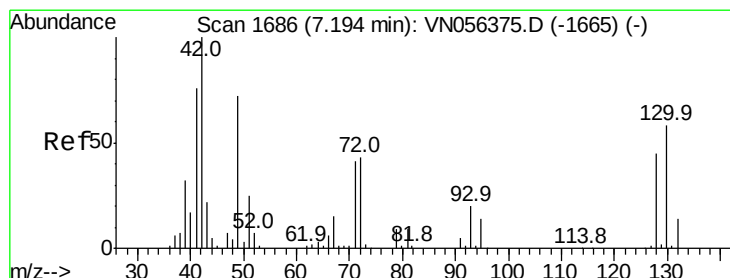
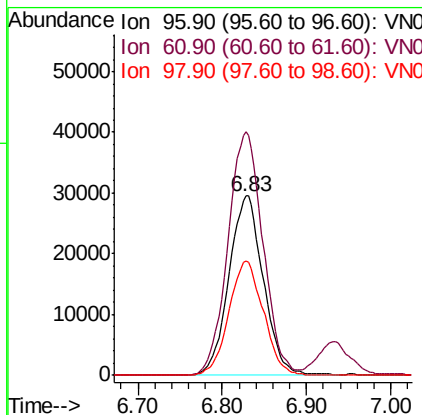
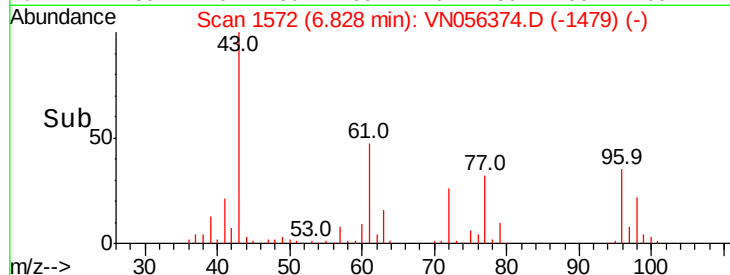
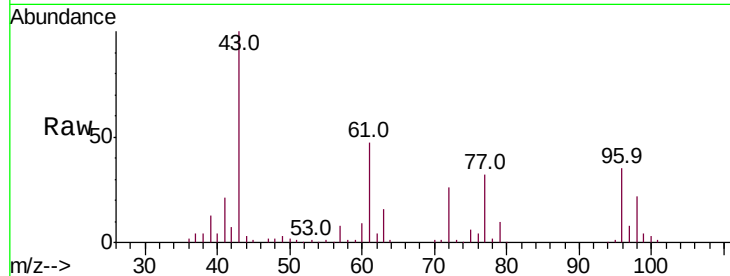
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	83881
Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	279.8
98	63.6	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 20.327 ug/l

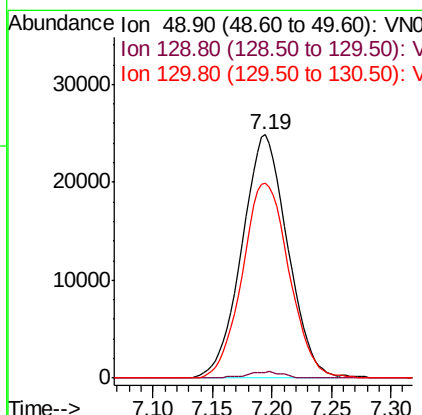
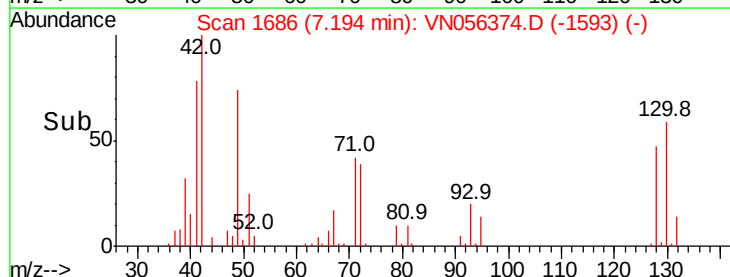
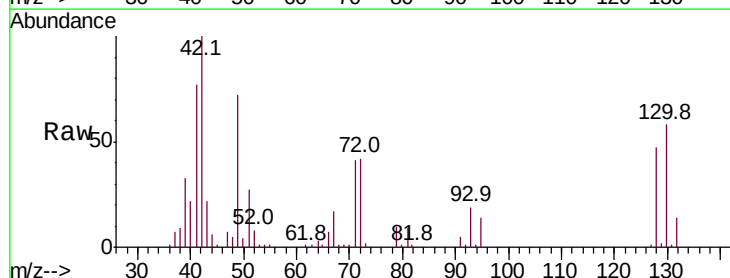
RT: 7.19 min Scan# 1686

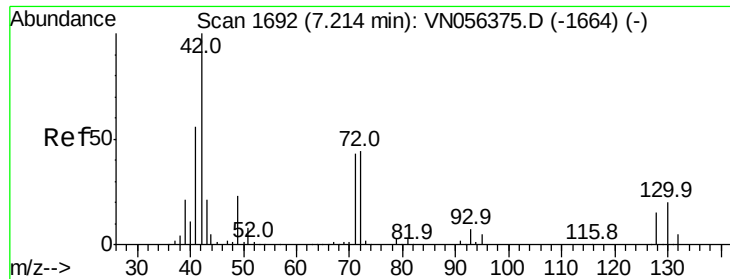
Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Tgt Ion:	49	Resp:	66115
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	82.2	64.9	97.3





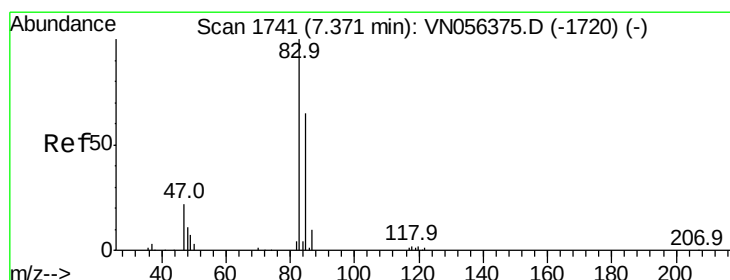
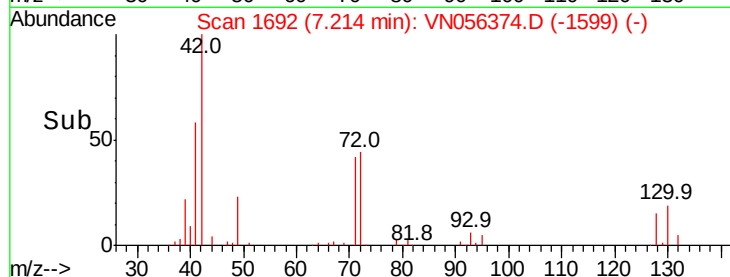
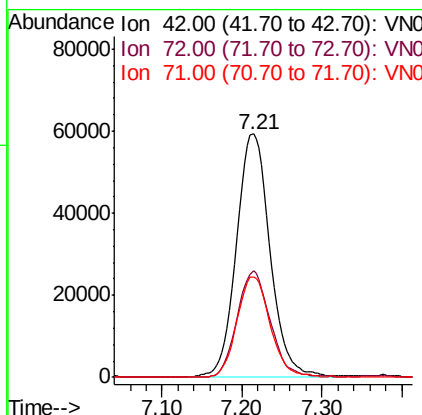
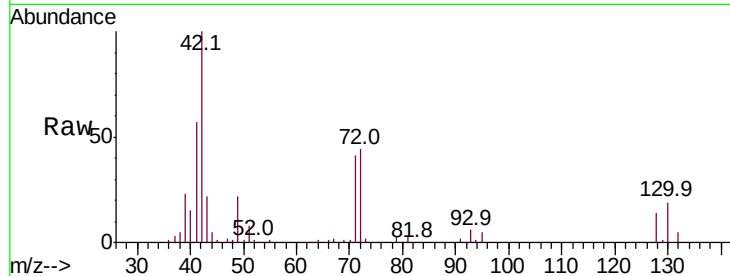
#29
Tetrahydrofuran
Concen: 102.834 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.7	52.1
71	41.1	33.0	49.6

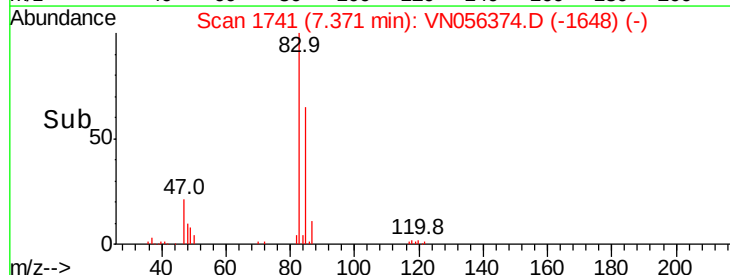
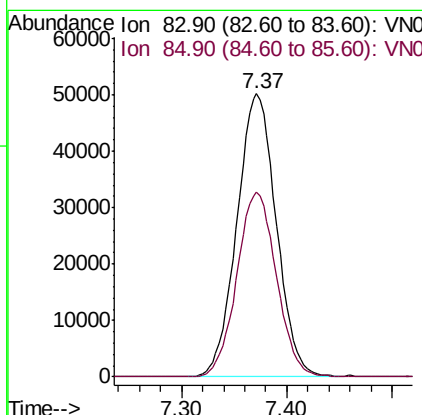
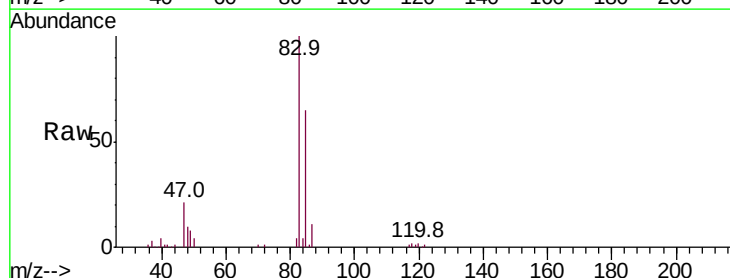
Manual Integrations
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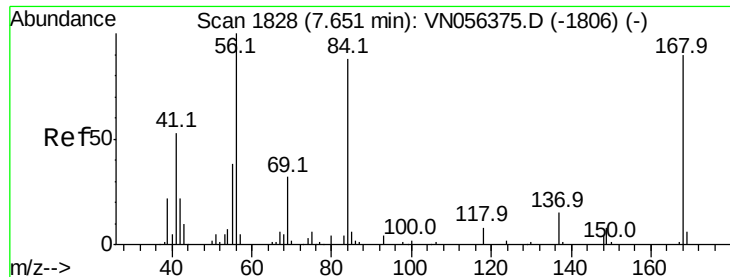
MMDadoda
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#30
Chloroform
Concen: 20.127 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.3	78.5





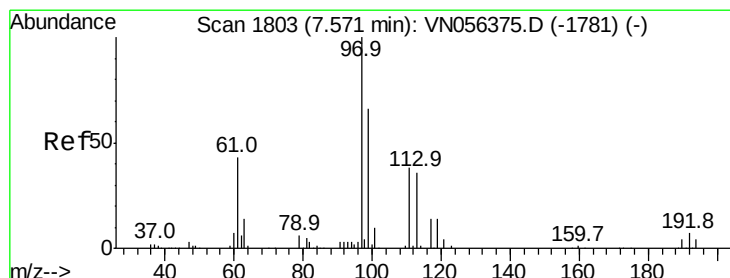
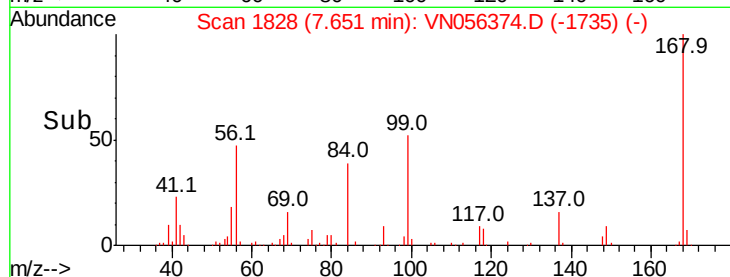
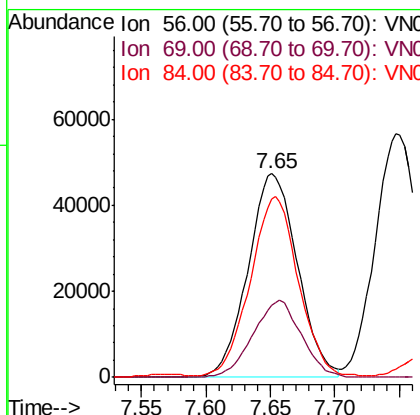
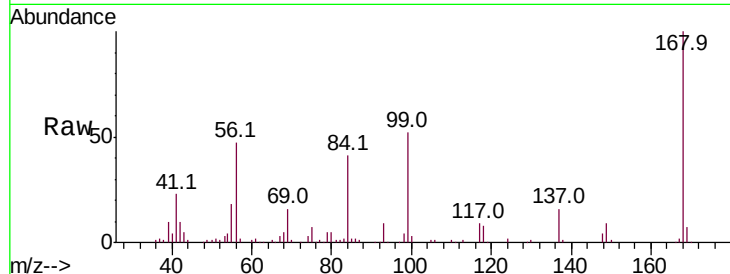
#31
Cyclohexane
Concen: 20.112 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	25.8	38.6
84	86.5	69.4	104.0

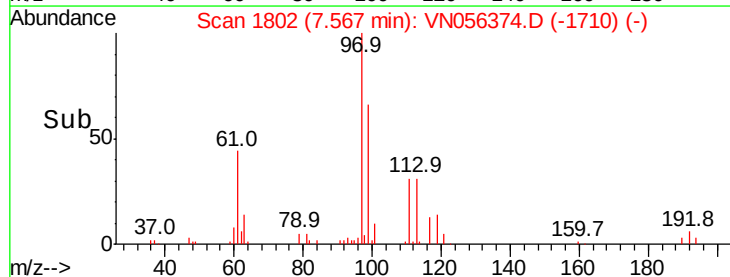
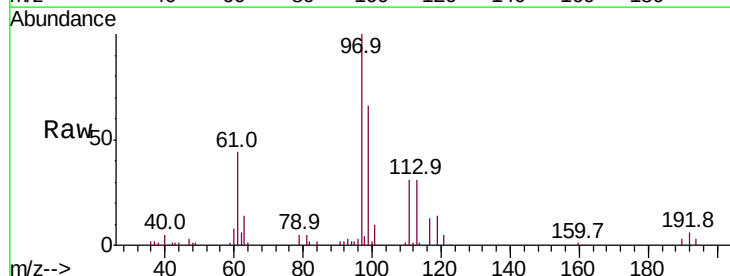
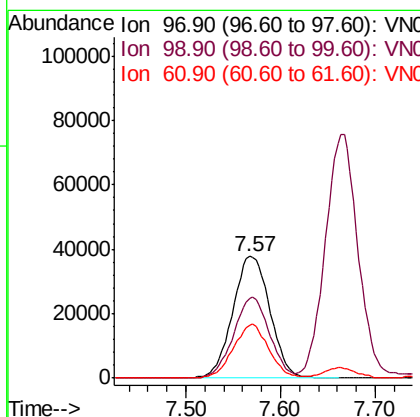
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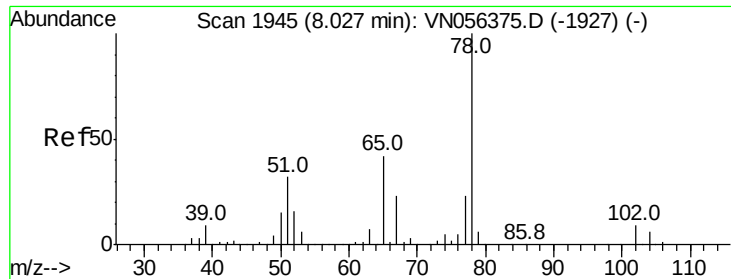
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.392 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	41.9	33.9	50.9





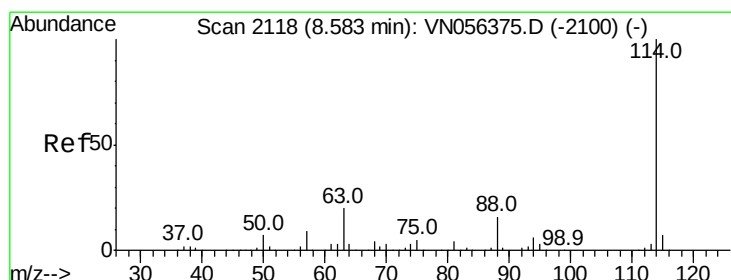
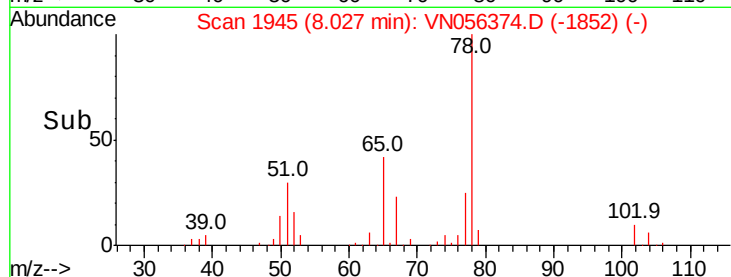
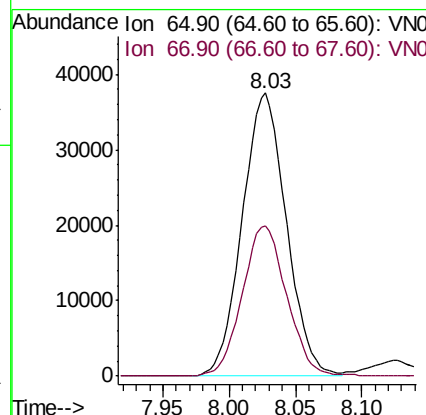
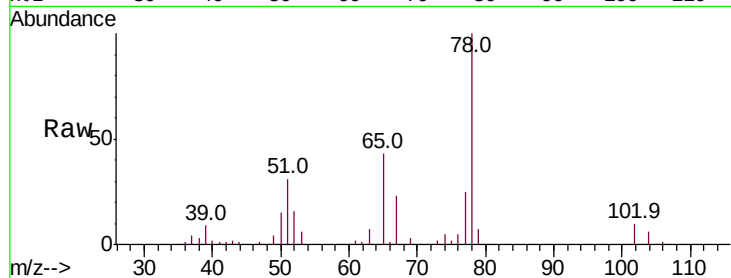
#33
 1,2-Dichloroethane-d4
 Concen: 21.161 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	109.0	

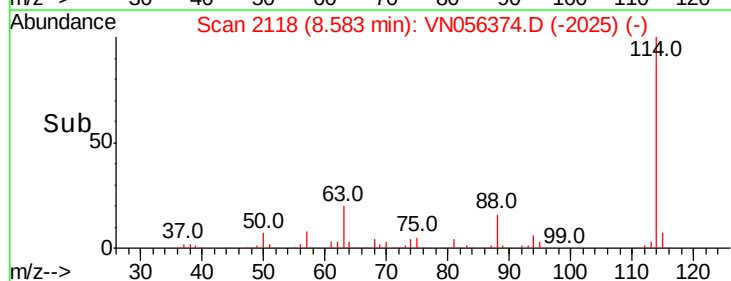
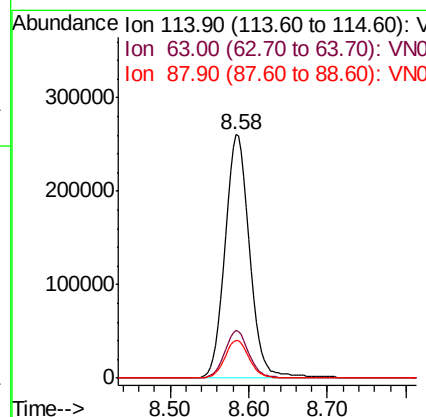
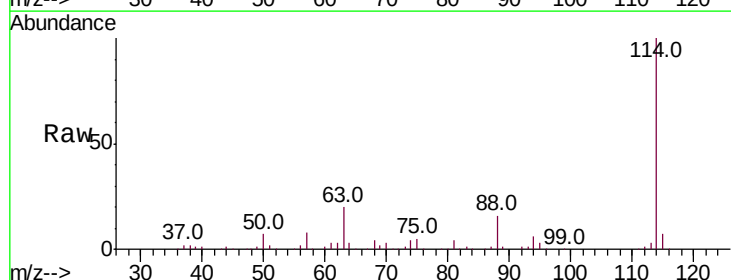
Manual Integrations
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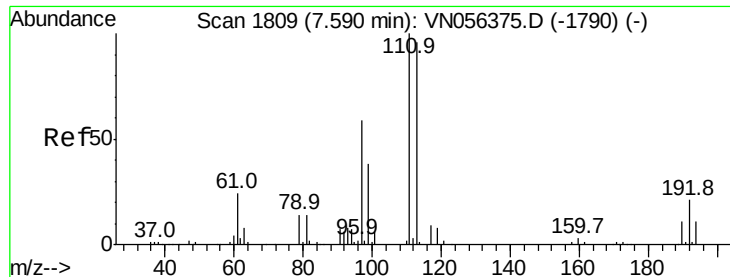
MMDadoda
 6/21/2019 10:52:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	39.2	
88	15.5	0.0	31.4	





#35

Dibromofluoromethane

Concen: 20.781 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:113 Resp: 74318

Ion Ratio Lower Upper

113 100

111 100.8 82.9 124.3

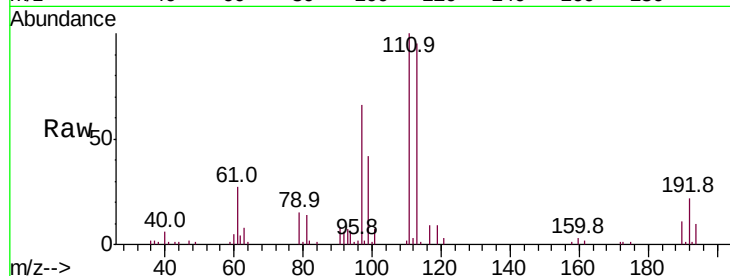
192 22.0 17.7 26.5

Manual Integrations

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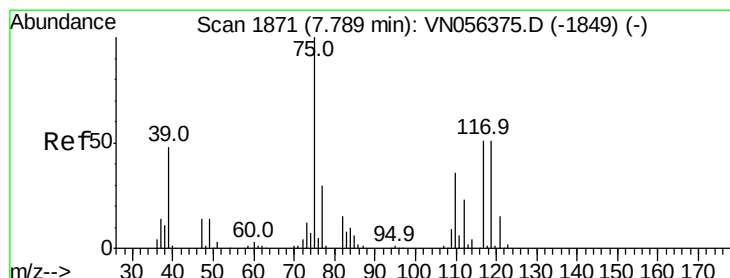
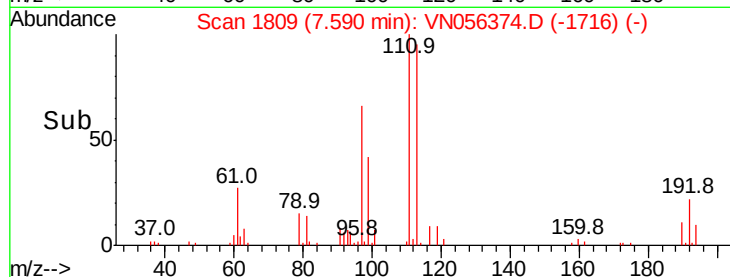
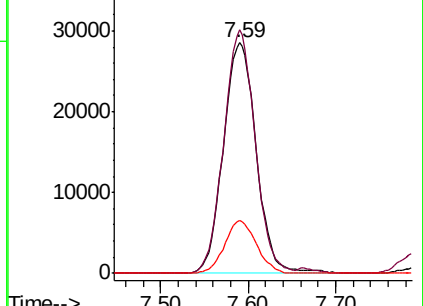
6/21/2019 10:52:05 PM



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: 19.154 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

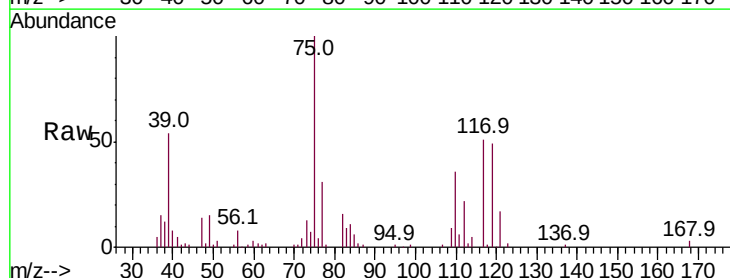
Tgt Ion: 75 Resp: 95985

Ion Ratio Lower Upper

75 100

110 36.8 18.1 54.3

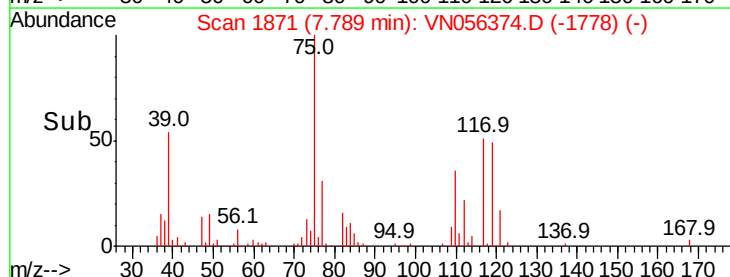
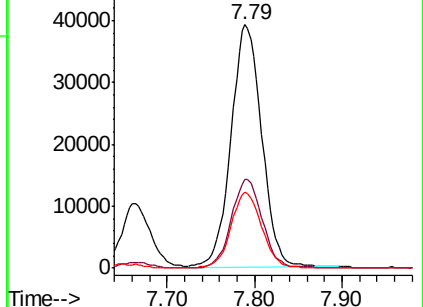
77 31.2 24.6 36.8

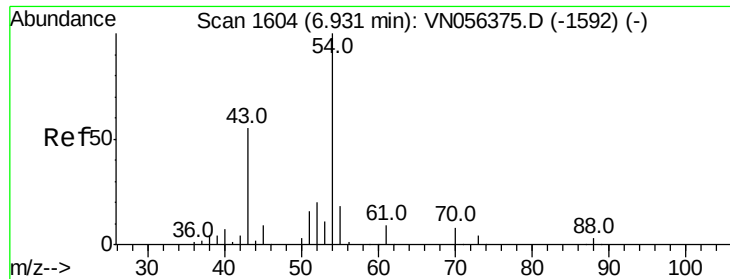


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





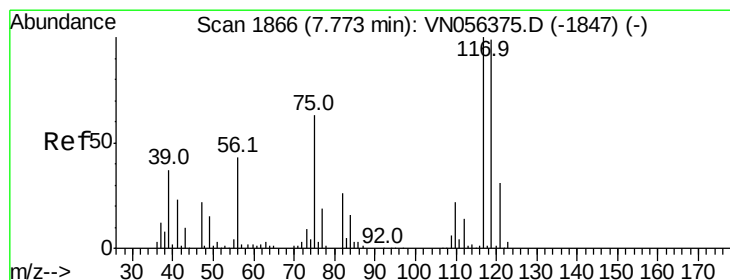
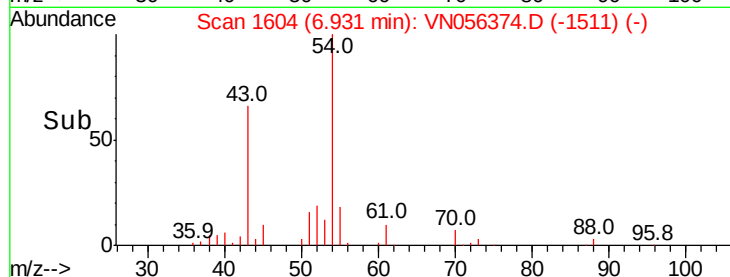
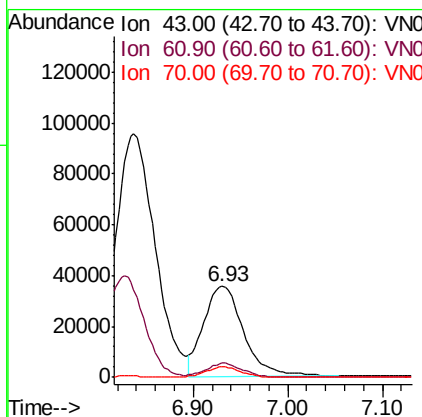
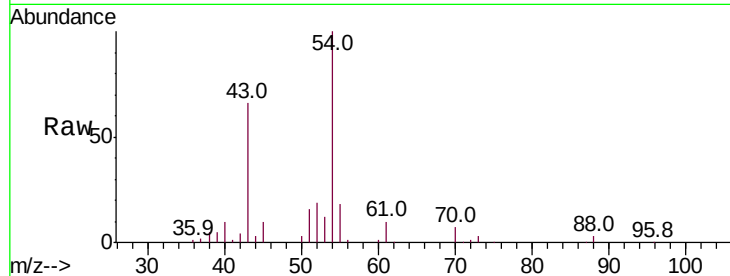
#37
Ethyl Acetate
Concen: 21.747 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	43	61	70
Ion Ratio	100	13.3	10.2
Lower		11.1	8.3
Upper		16.7	12.5

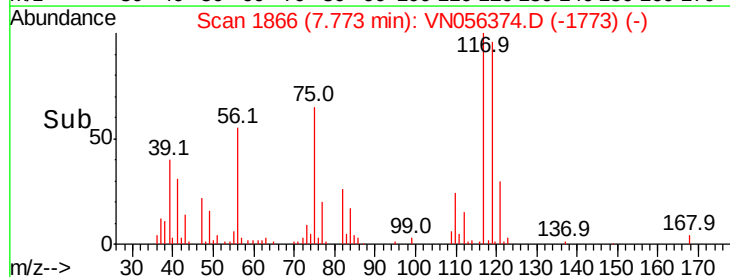
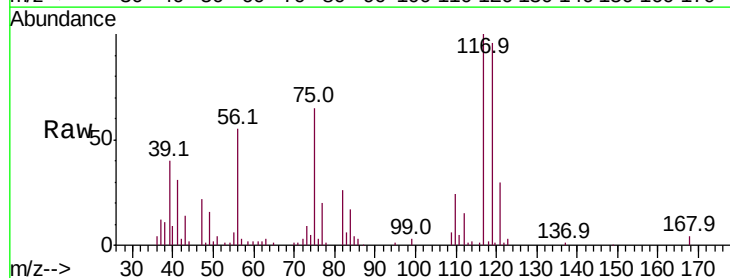
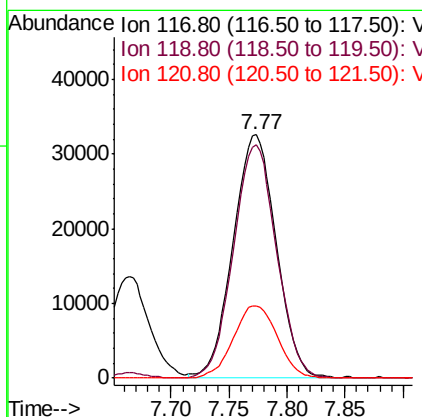
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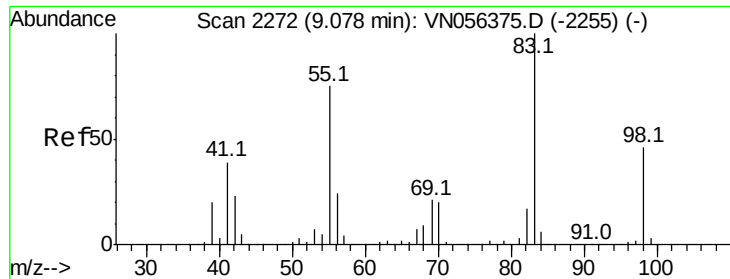
MMDadoda
6/21/2019 10:52:05 PM



#38
Carbon Tetrachloride
Concen: 17.760 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	117	119	121
Ion Ratio	100	95.7	29.8
Lower		79.1	24.8
Upper		118.7	37.2





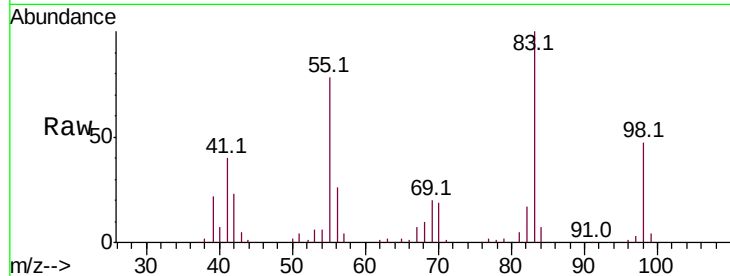
#39
Methylvlcyclohexane
Concen: 19.752 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.9	60.0	90.0	
98	46.6	36.6	54.8	

Manual Integrations
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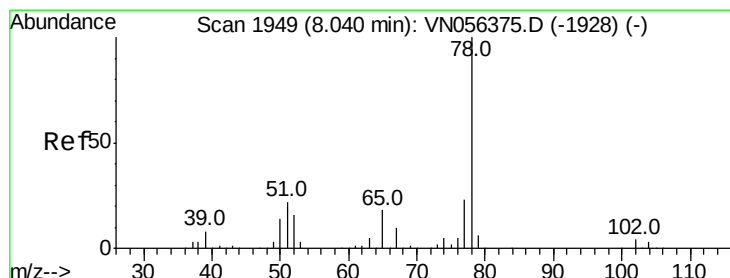
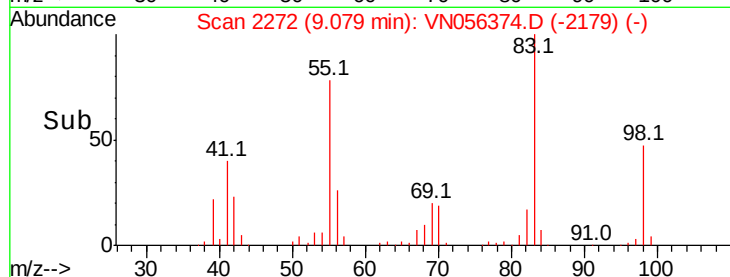
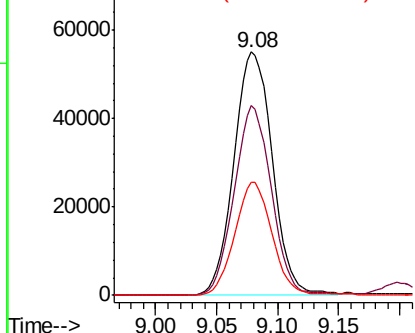


Abundance

Ion 83.00 (82.70 to 83.70): VN0

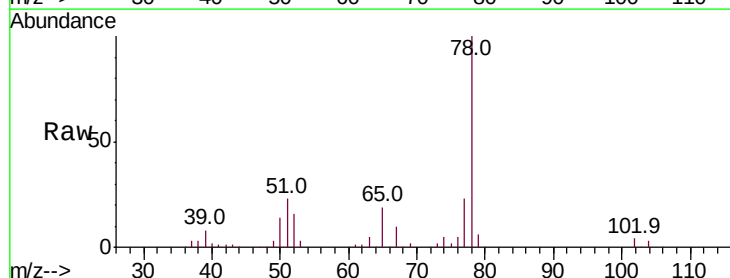
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.142 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

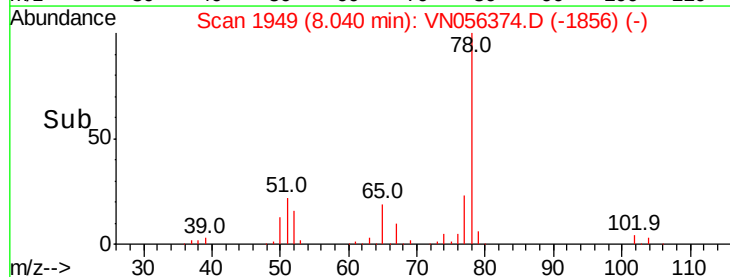
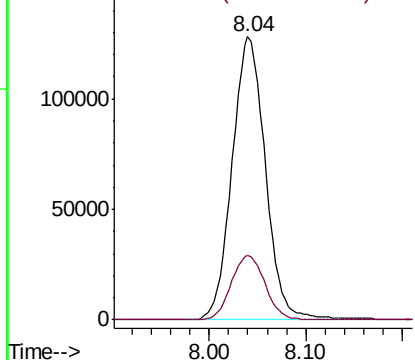
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.7	18.3	27.5	

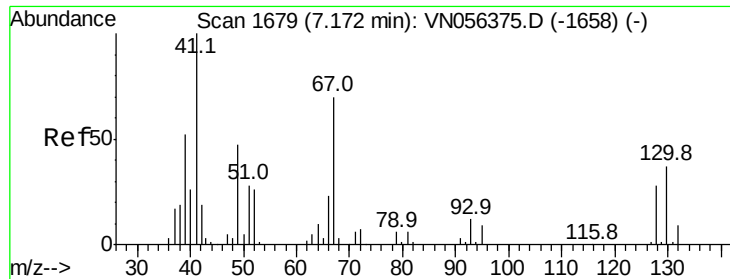


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 23.444 ug/l m

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 50098
Ion Ratio Lower Upper

41 100

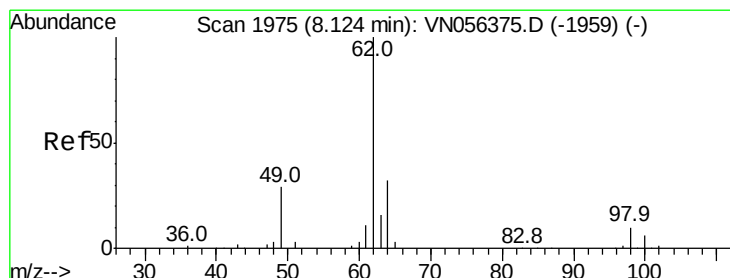
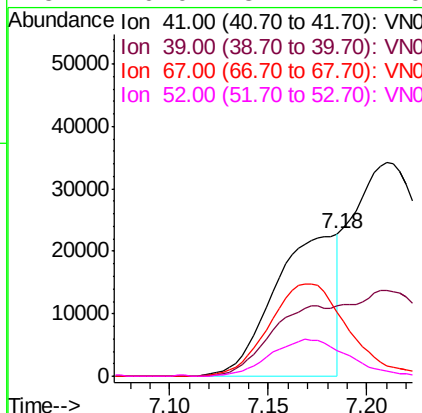
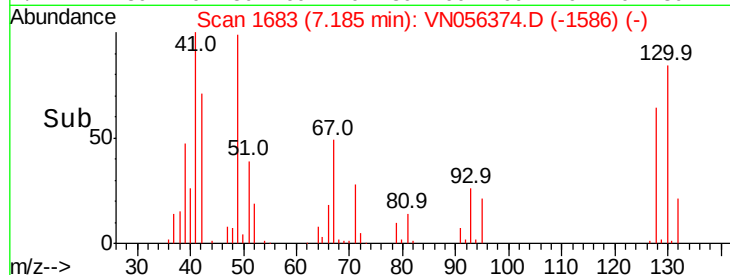
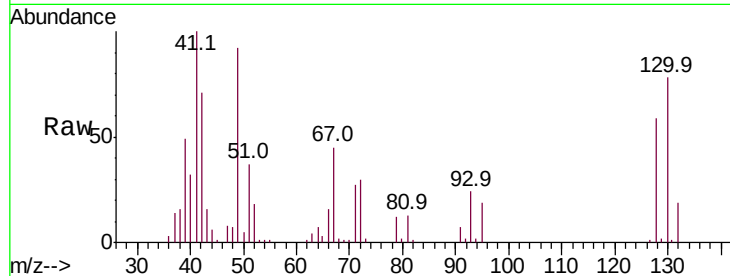
39 0.0 55.3 82.9#

67 0.0 79.2 118.8#

52 0.0 31.4 47.0#

Manual Integrations
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6/21/2019 10:52:05 PM



#42

1,2-Dichloroethane

Concen: 20.185 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

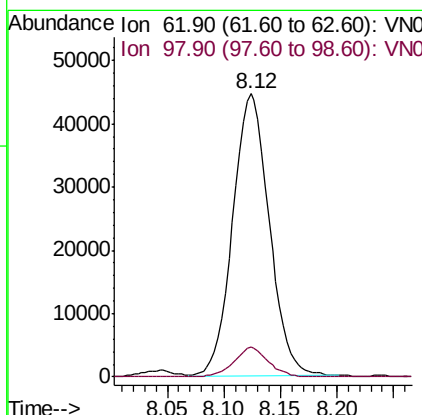
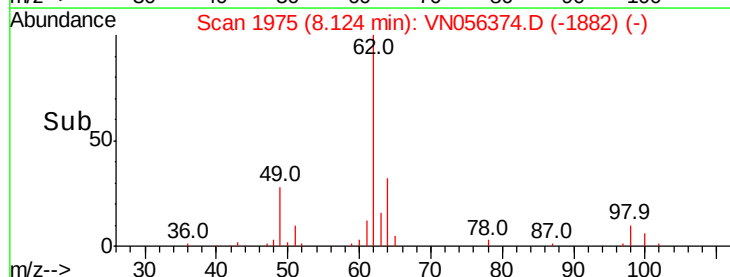
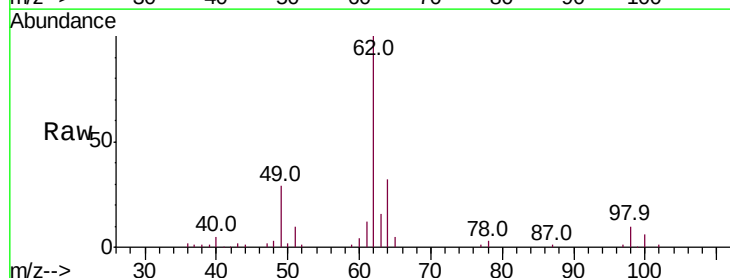
Lab File: VN056374.D

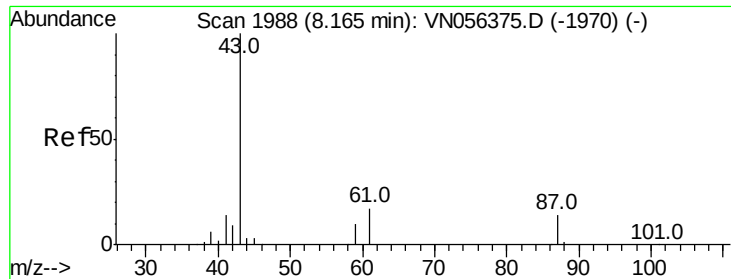
Acq: 19 Jun 2019 9:39

Tgt Ion: 62 Resp: 100442
Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 19.723 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

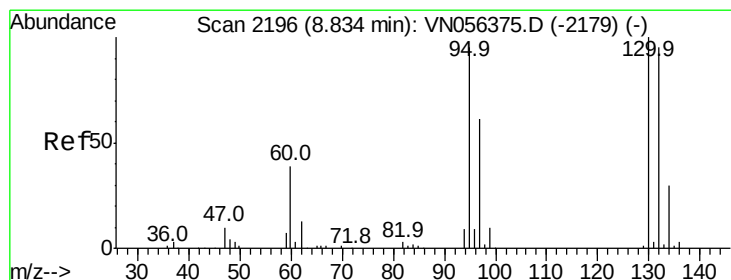
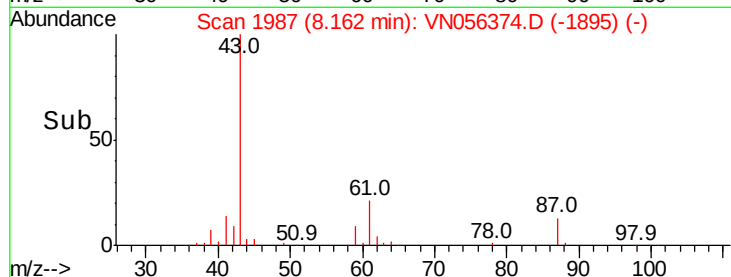
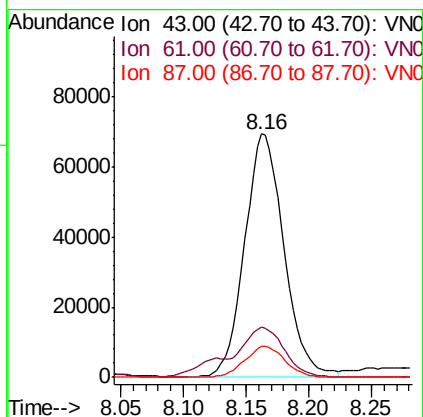
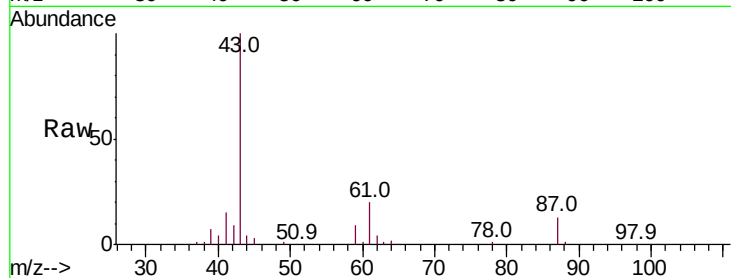
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	150294
Ion Ratio	Lower	Upper	
43	100		
61	21.3	22.0	33.0#
87	13.2	11.0	16.4

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#44

Trichloroethene

Concen: 19.822 ug/l

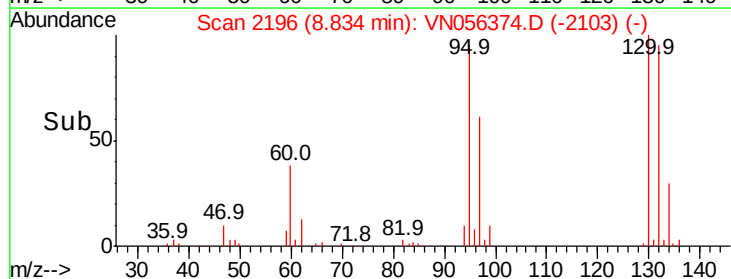
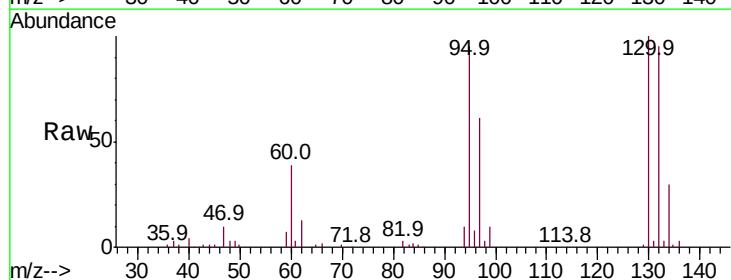
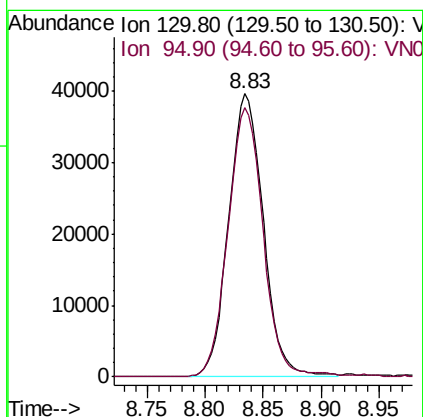
RT: 8.83 min Scan# 2196

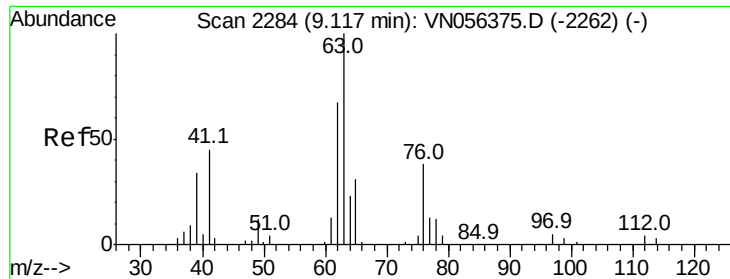
Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Tgt Ion:	130	Resp:	82041
Ion Ratio	Lower	Upper	
130	100		
95	94.9	0.0	191.0





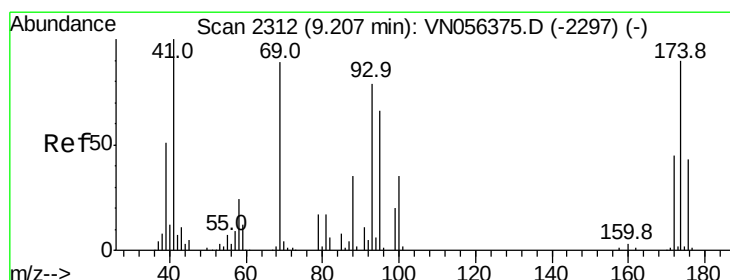
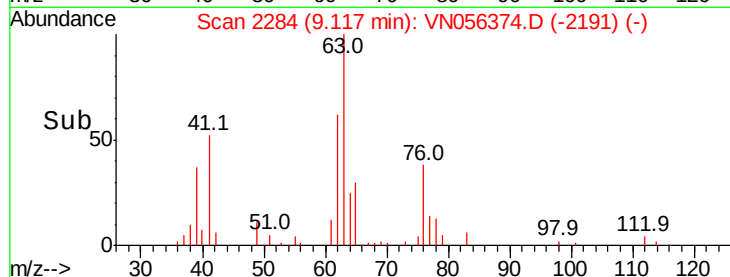
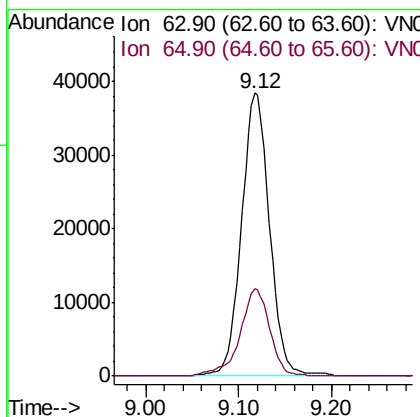
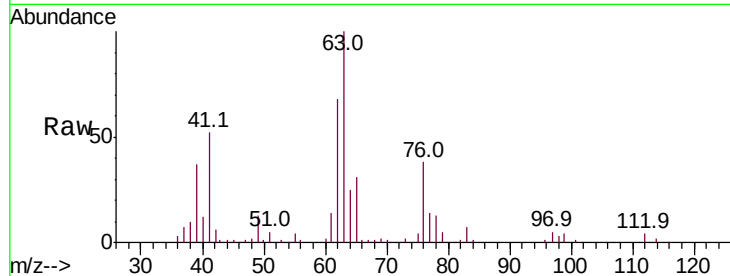
#45
 1,2-Dichloropropane
 Concen: 20.035 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 80577
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6

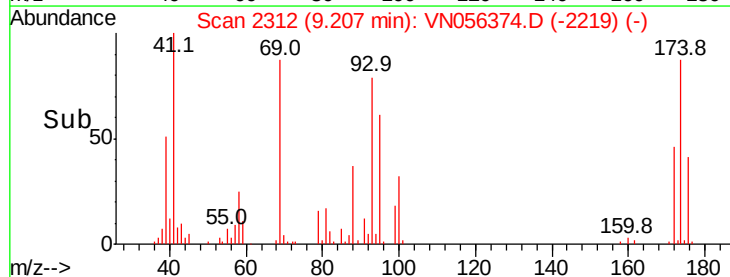
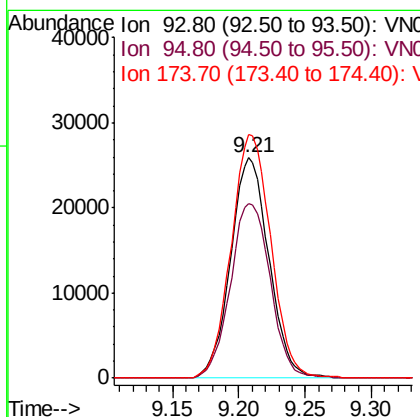
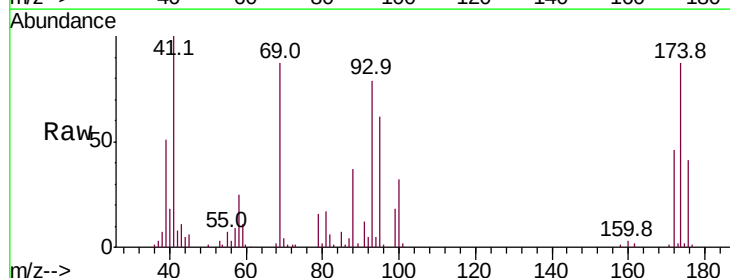
Manual Integrations
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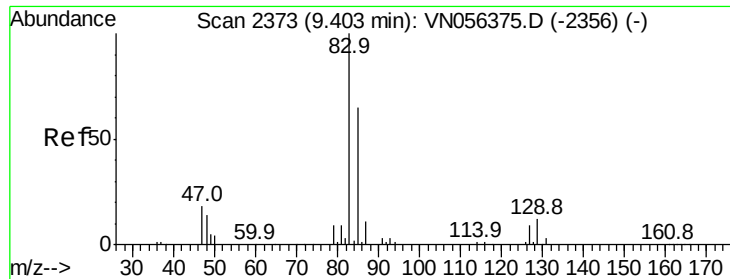
MMDadoda
 6/21/2019 10:52:05 PM



#46
 Dibromomethane
 Concen: 19.572 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Tgt Ion: 93 Resp: 52063
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.2 99.2
 174 114.3 90.8 136.2





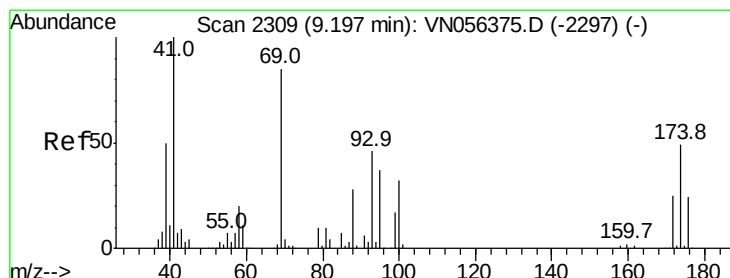
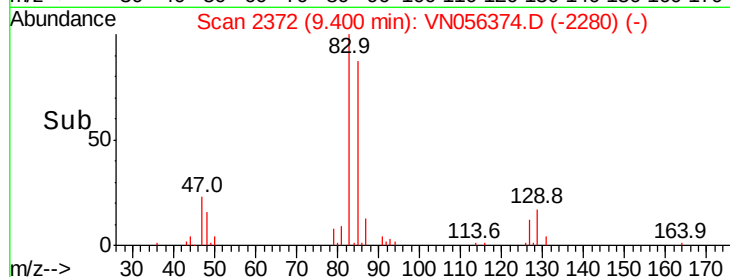
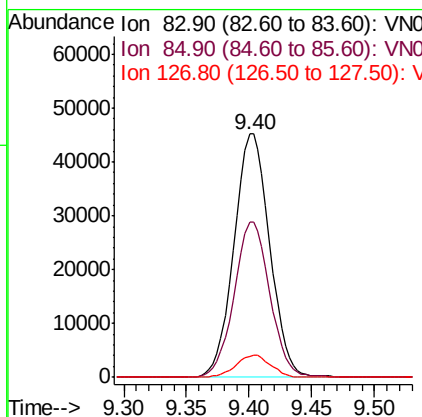
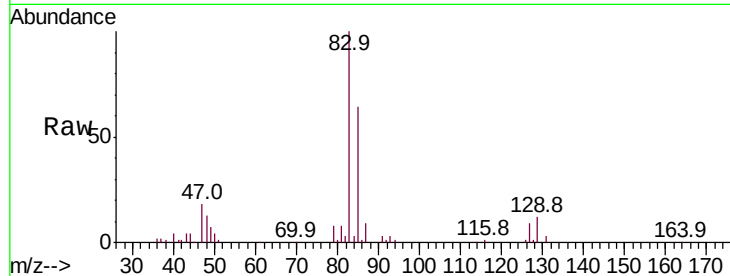
#47
Bromodichloromethane
Concen: 17.780 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.6	52.2	78.4	
127	8.6	7.3	10.9	

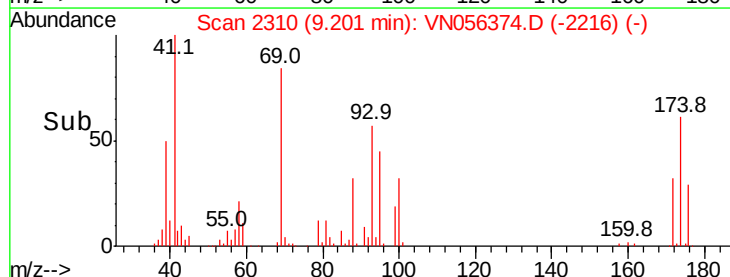
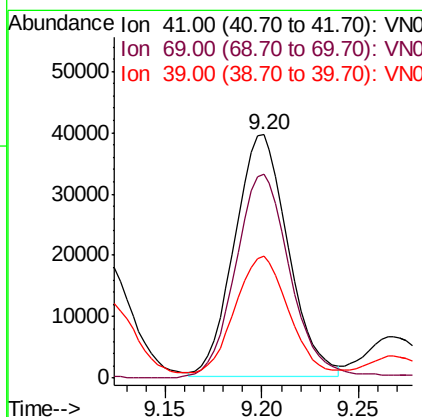
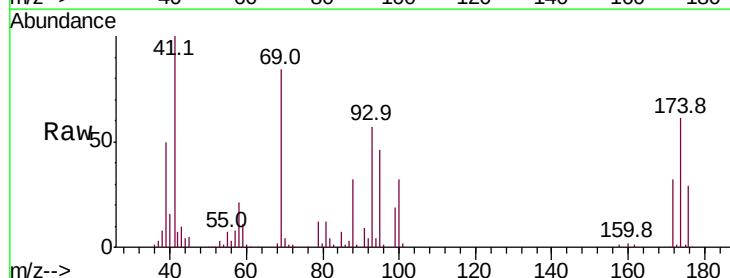
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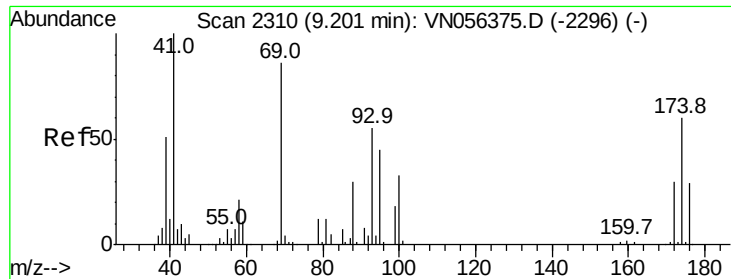
MMDadoda
6/21/2019 10:52:05 PM



#48
Methyl methacrylate
Concen: 19.969 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.2	72.6	109.0	
39	51.8	42.6	63.8	





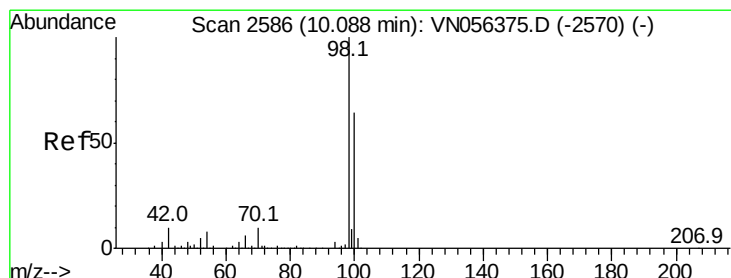
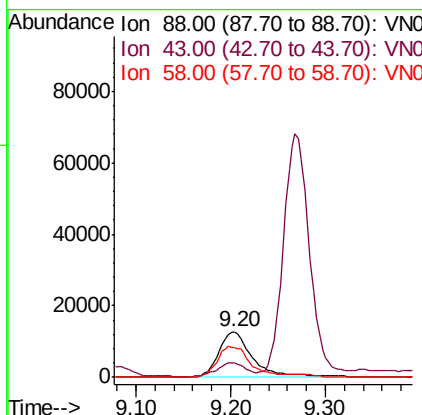
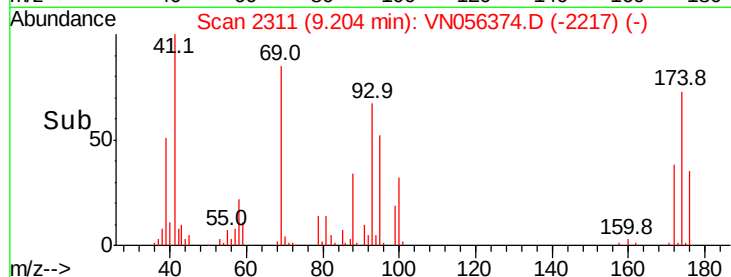
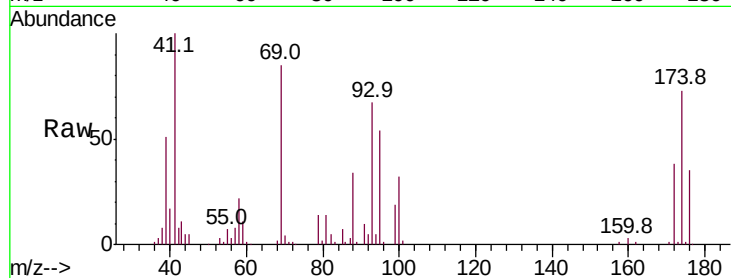
#49
 1,4-Dioxane
 Concen: 416.166 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	88	Resp	31960
Ion	Ratio	Lower	Upper
88	100		
43	24.7	22.0	33.0
58	65.7	51.8	77.8

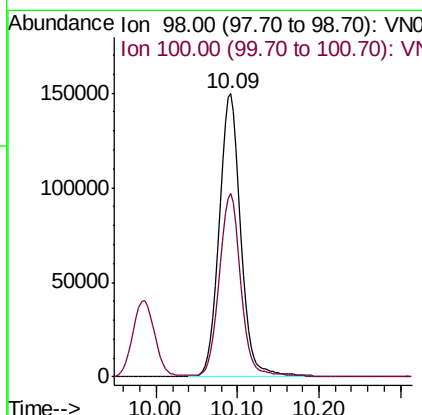
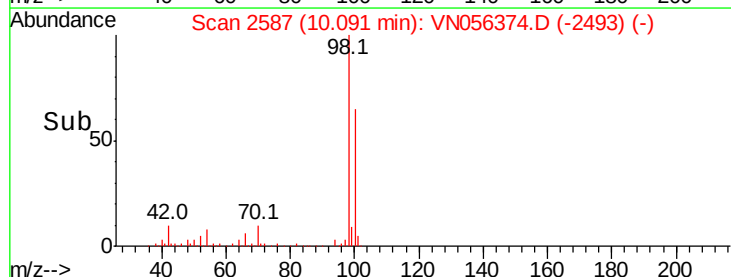
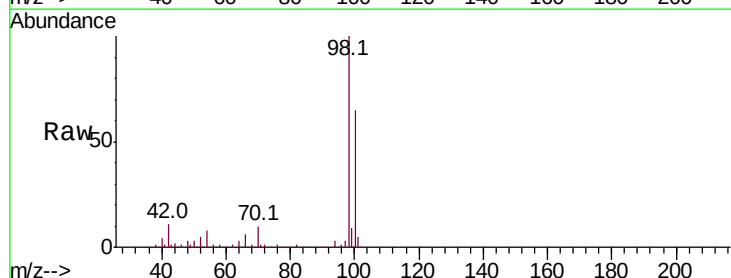
Manual Integrations
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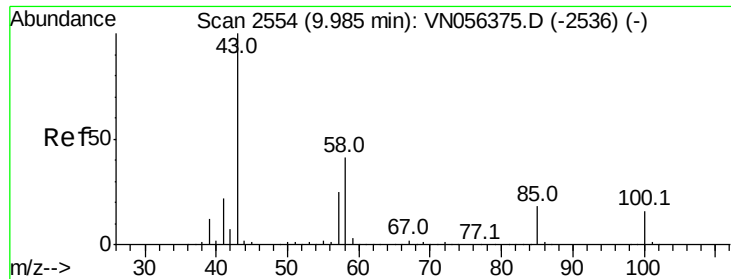
MMDadoda
 6/21/2019 10:52:05 PM



#50
 Toluene-d8
 Concen: 20.573 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Tgt Ion	98	Resp	281870
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 101.929 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 494202

Ion Ratio Lower Upper

43 100

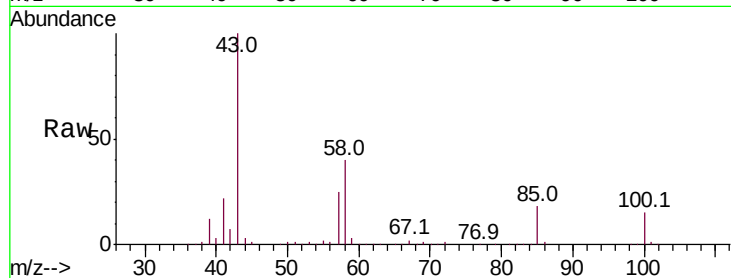
58 40.3 31.8 47.8

Manual Integrations

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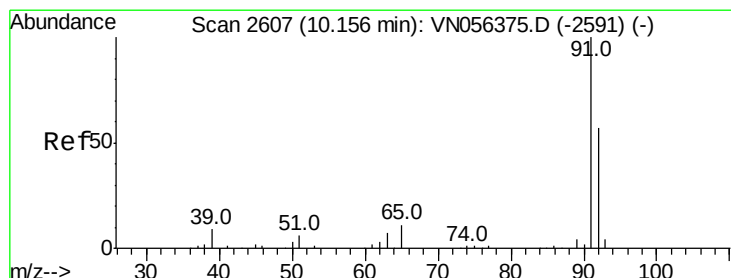
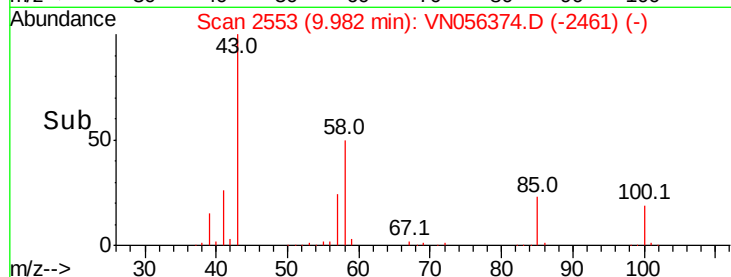
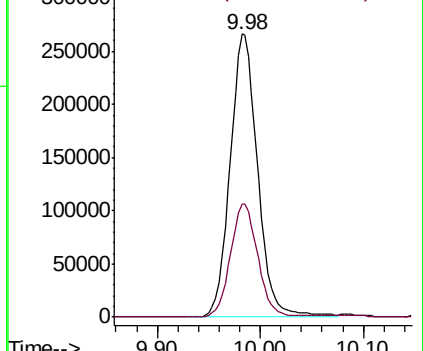
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.160 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056374.D

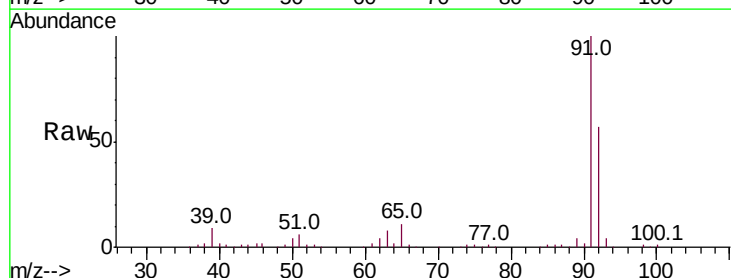
Acq: 19 Jun 2019 9:39

Tgt Ion: 92 Resp: 186490

Ion Ratio Lower Upper

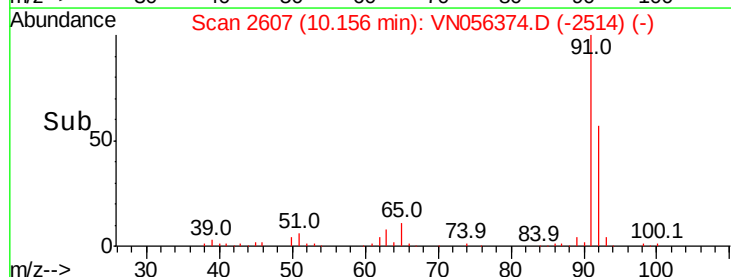
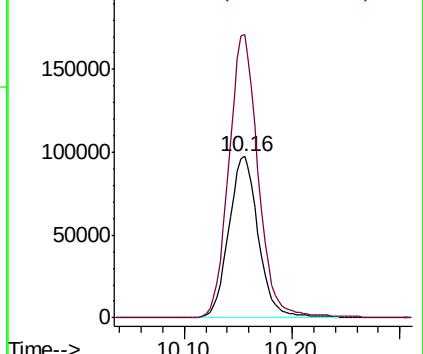
92 100

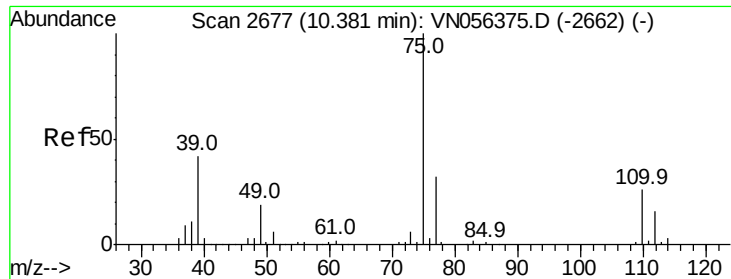
91 175.5 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





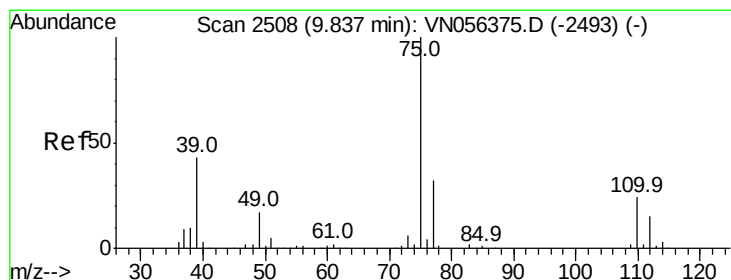
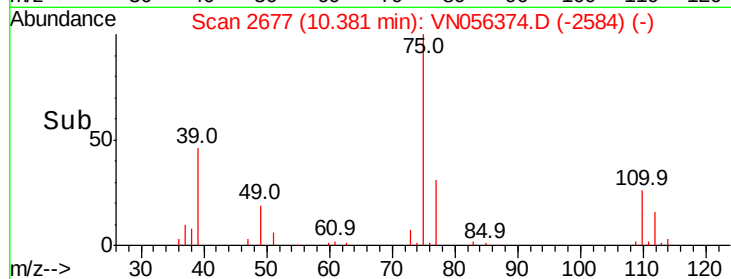
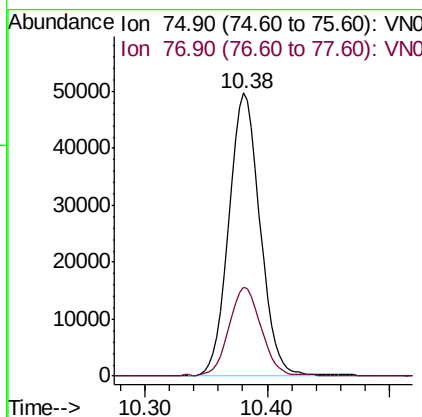
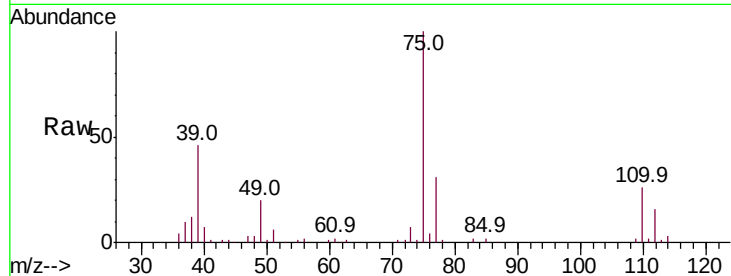
#53
t-1,3-Dichloropropene
Concen: 17.714 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 89101
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

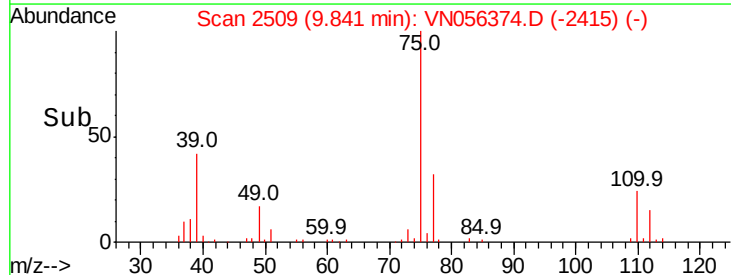
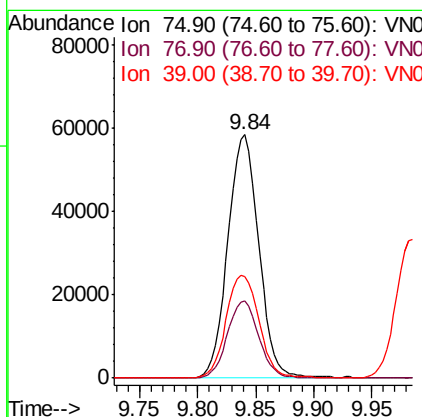
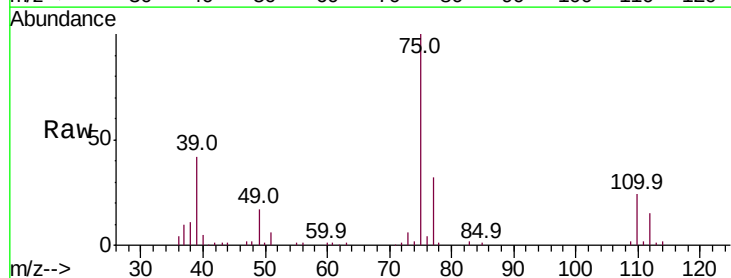
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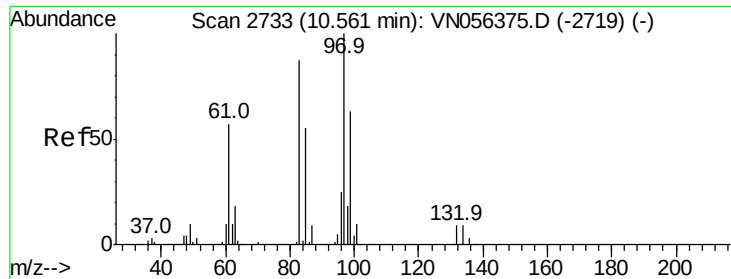
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#54
cis-1,3-Dichloropropene
Concen: 18.593 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion: 75 Resp: 108340
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
39 41.6 34.2 51.4





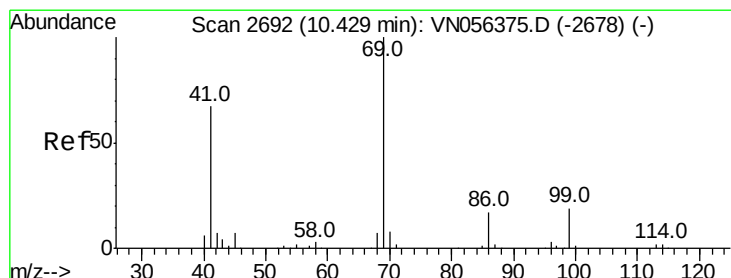
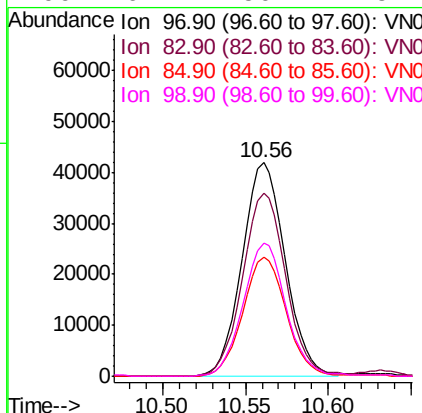
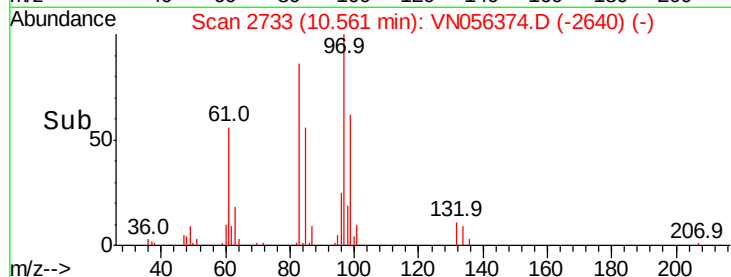
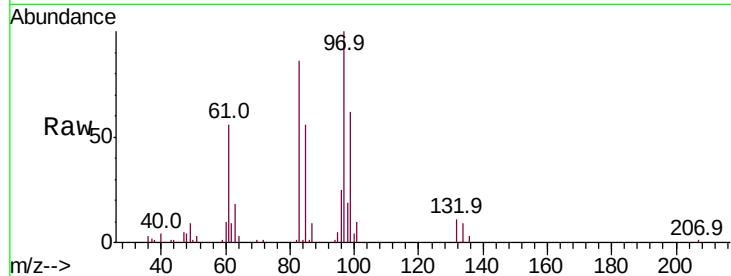
#55
1,1,2-Trichloroethane
Concen: 19.936 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.8	104.6
85	55.9	43.8	65.8
99	62.4	50.2	75.2

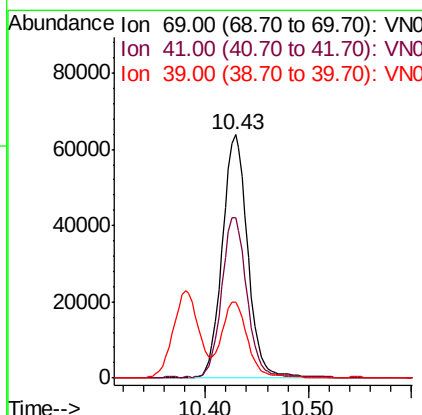
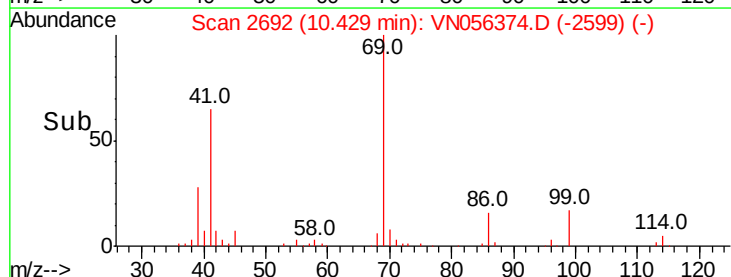
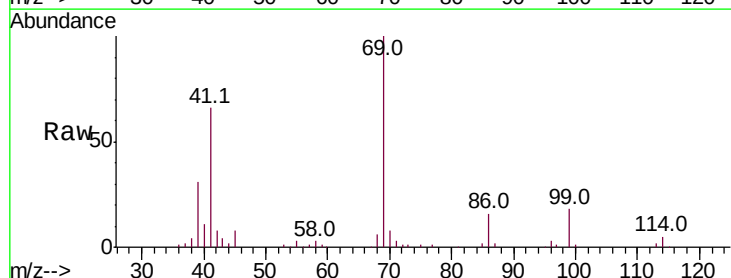
Manual Integrations
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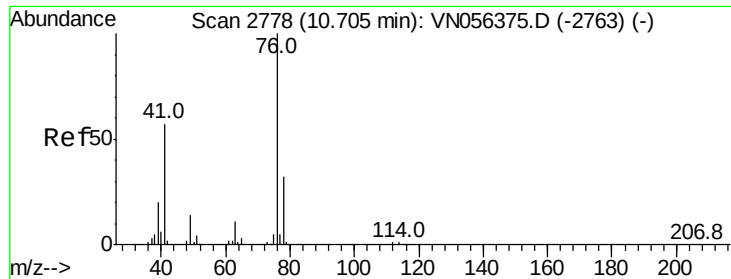
MMDadoda
6/21/2019 10:52:05 PM



#56
Ethyl methacrylate
Concen: 20.105 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.4	77.2
39	31.1	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.051 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 128810

Ion Ratio Lower Upper

76 100

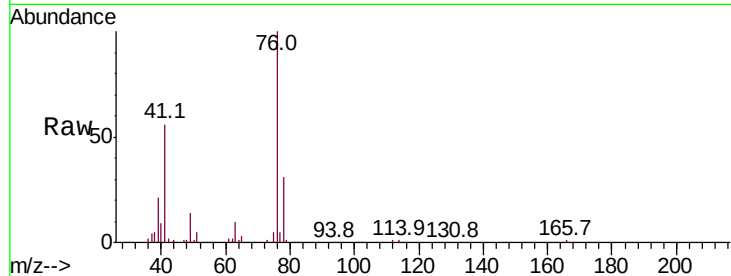
78 32.0 25.9 38.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

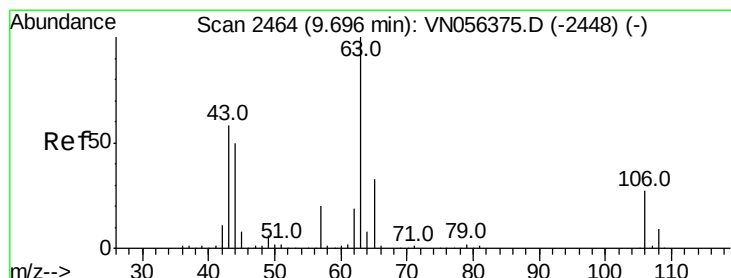
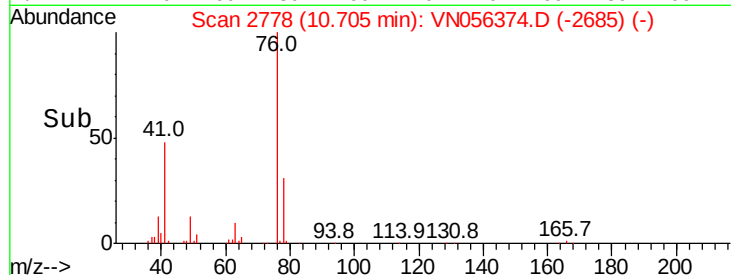
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 105.358 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056374.D

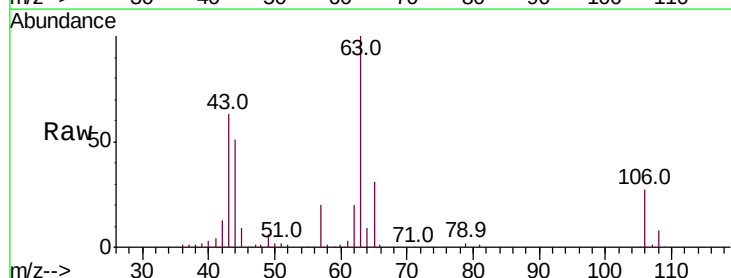
Acq: 19 Jun 2019 9:39

Tgt Ion: 63 Resp: 190870

Ion Ratio Lower Upper

63 100

106 26.3 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

120000

100000

80000

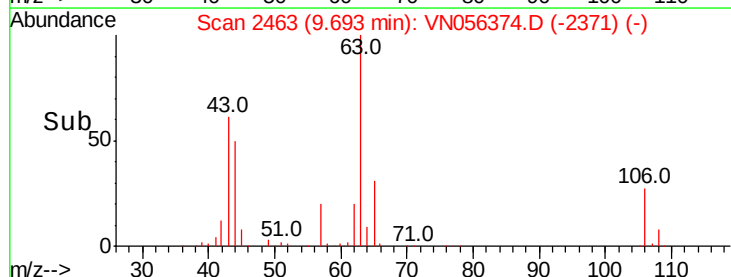
60000

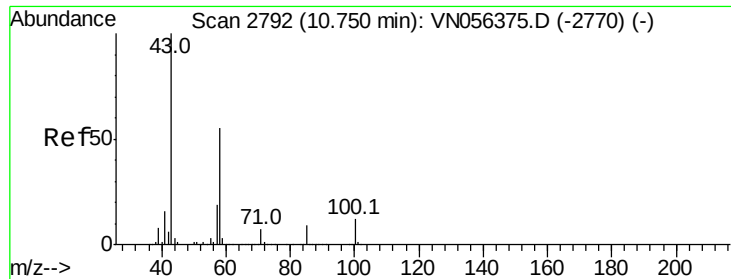
40000

20000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 101.952 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 366005

Ion Ratio Lower Upper

43 100

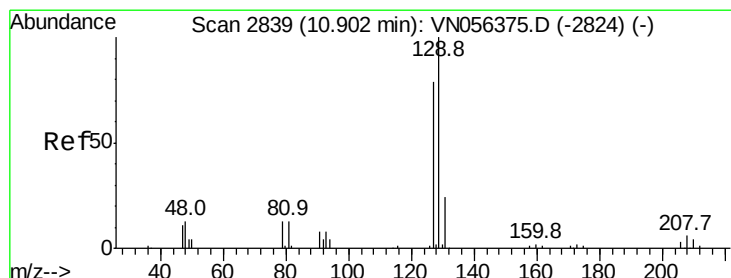
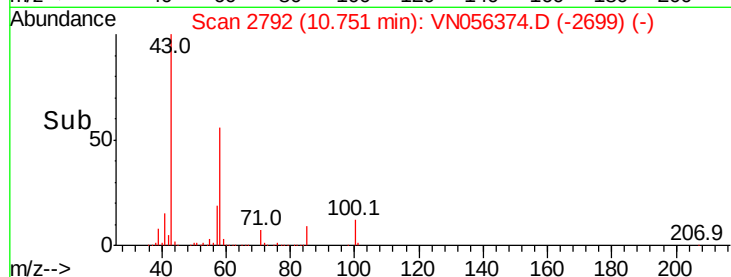
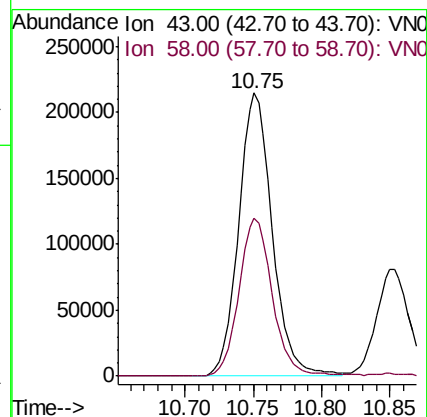
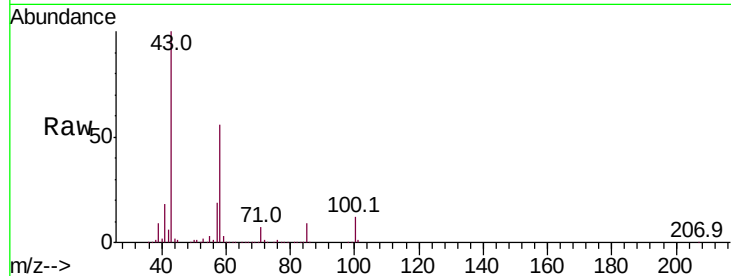
58 56.0 27.8 83.4

Manual Integrations

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6/21/2019 10:52:05 PM



#60

Dibromochloromethane

Concen: 17.015 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056374.D

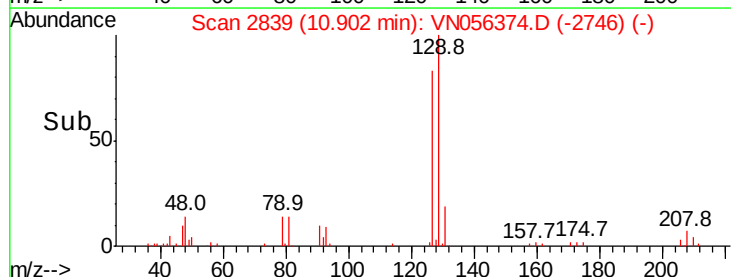
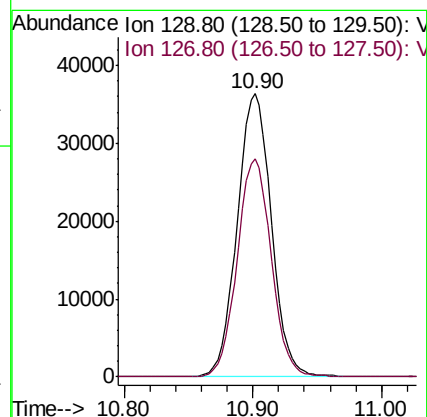
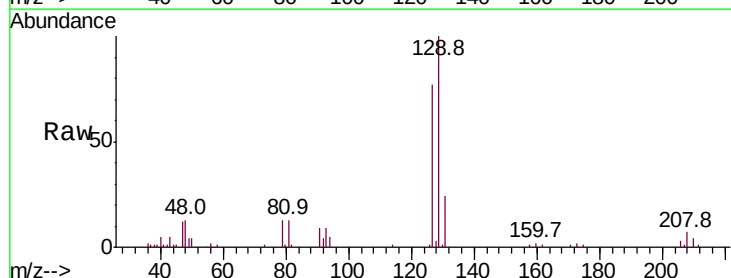
Acq: 19 Jun 2019 9:39

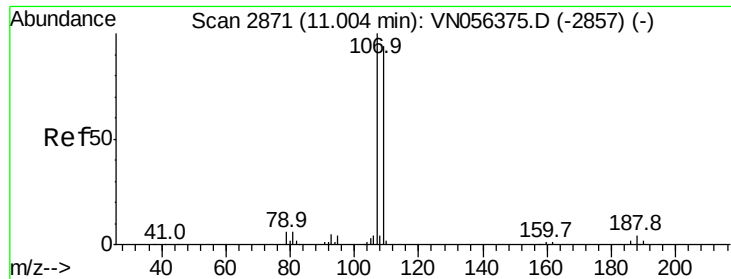
Tgt Ion: 129 Resp: 66976

Ion Ratio Lower Upper

129 100

127 76.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.482 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 76320

Ion Ratio Lower Upper

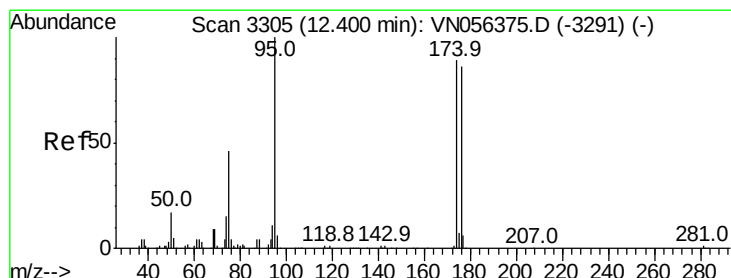
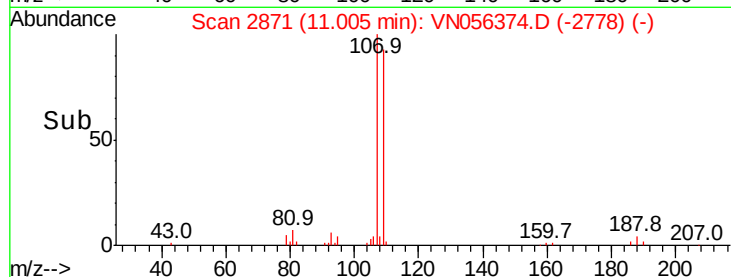
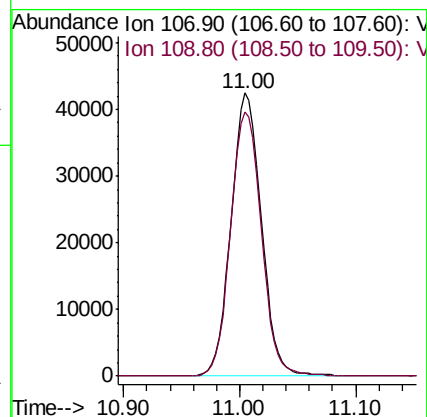
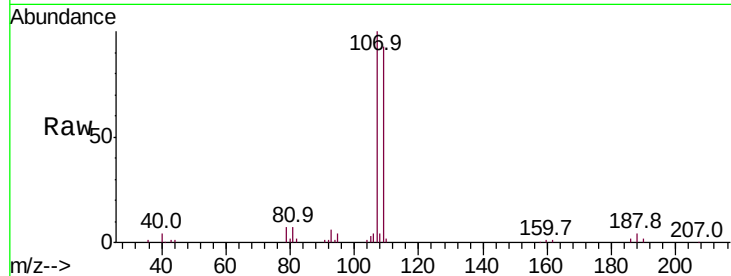
107 100

109 95.4 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 20.217 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

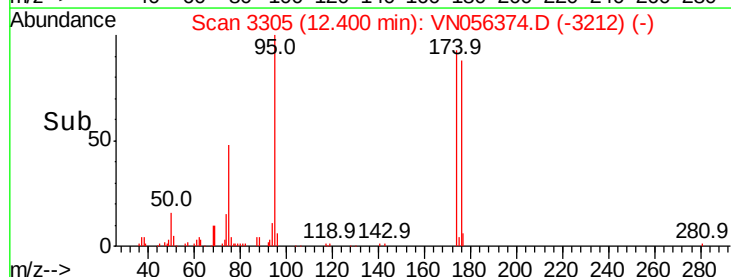
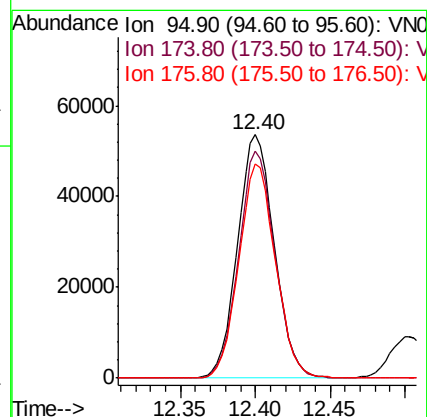
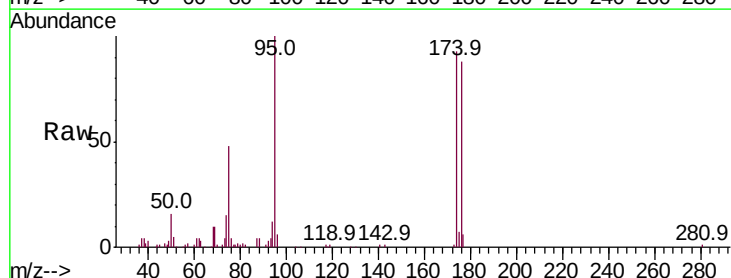
Tgt Ion: 95 Resp: 91690

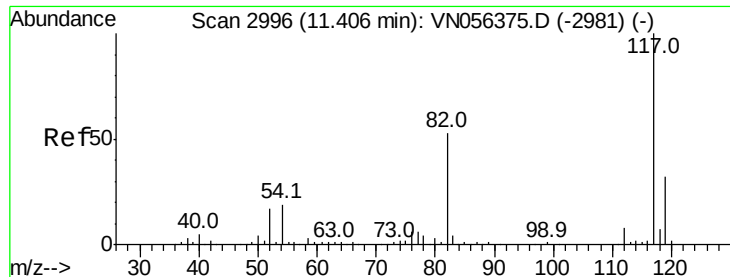
Ion Ratio Lower Upper

95 100

174 91.9 0.0 179.4

176 87.7 0.0 173.4





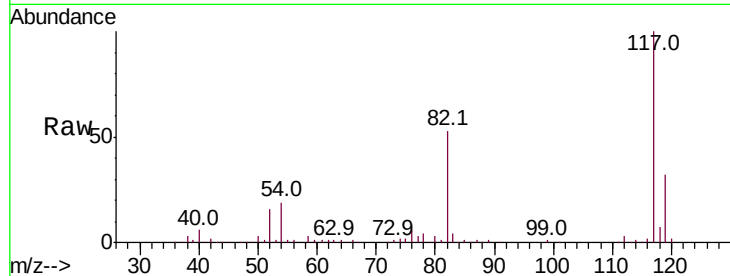
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.0	63.0
119	32.5	25.3	37.9

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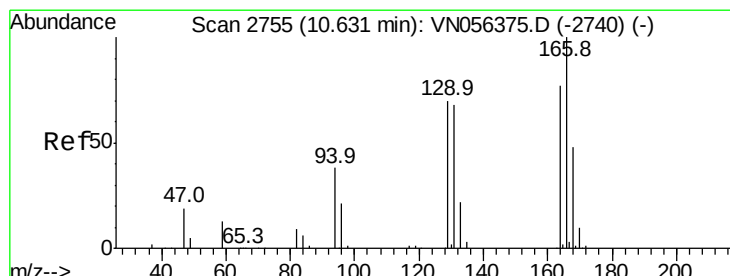
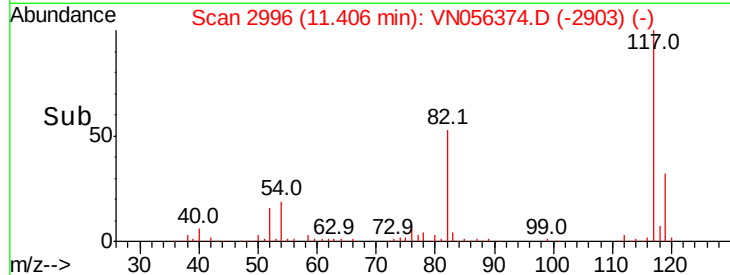
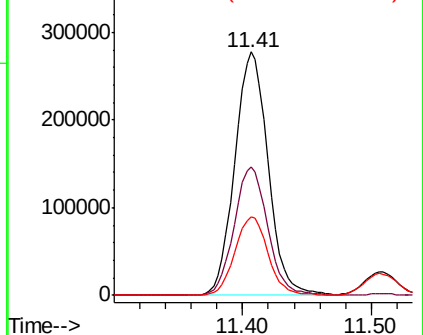


Abundance

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: 19.703 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	103.4	155.0
129	92.3	72.0	108.0
131	87.2	70.2	105.2

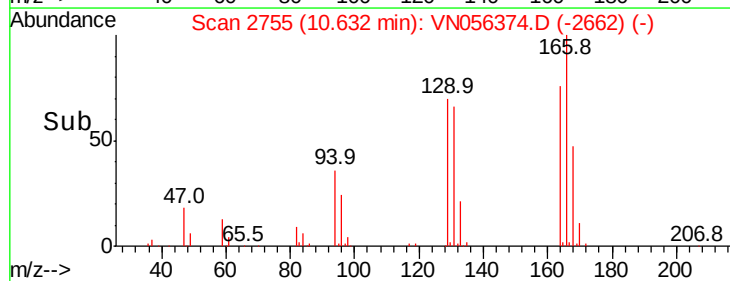
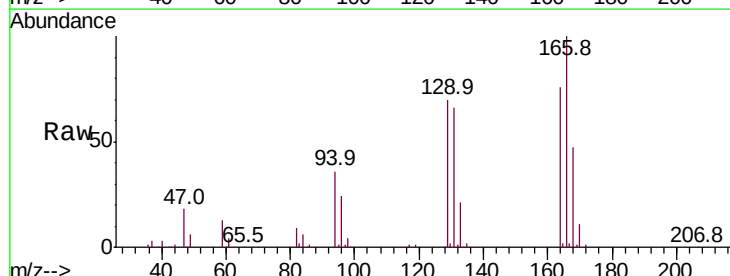
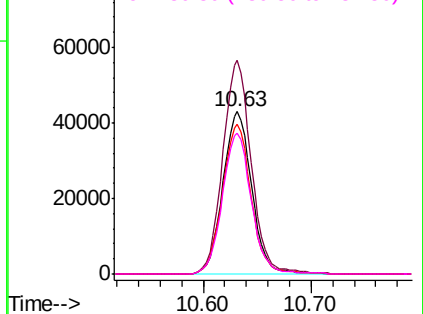
Abundance

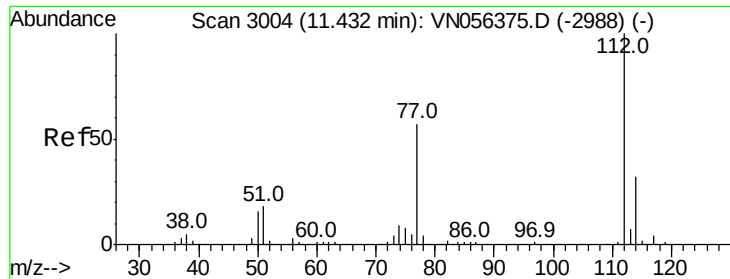
Ion 163.80 (163.50 to 164.50): V

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





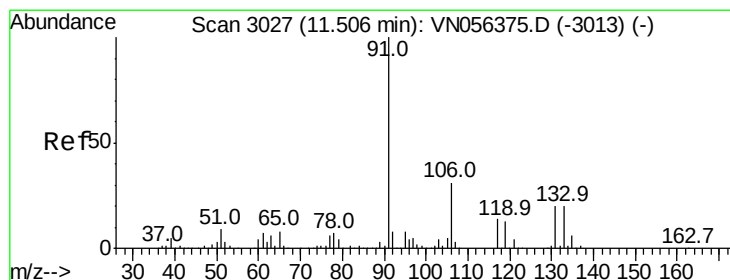
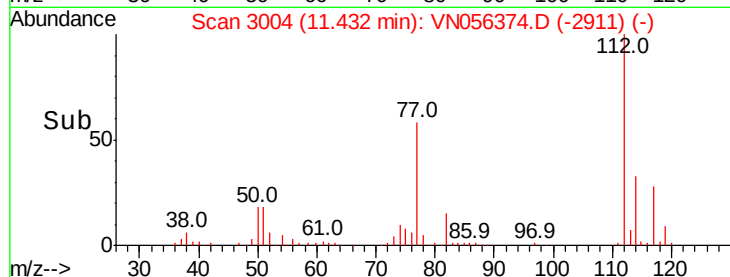
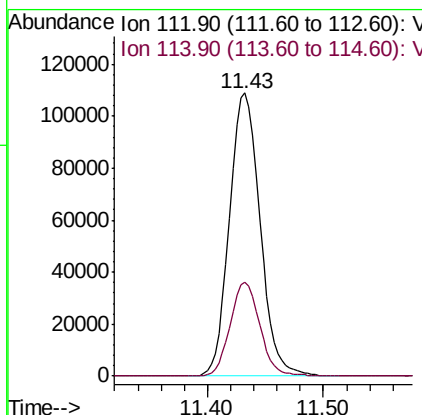
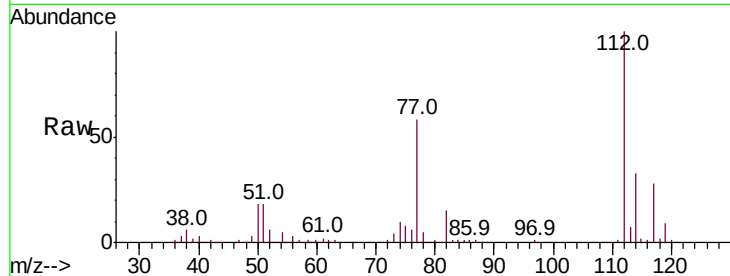
#65
Chlorobenzene
Concen: 19.709 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 198929
Ion Ratio Lower Upper
112 100
114 33.2 25.4 38.2

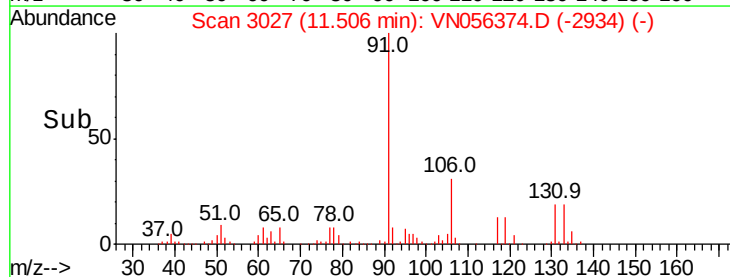
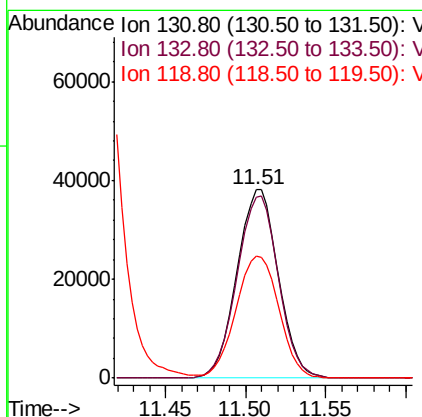
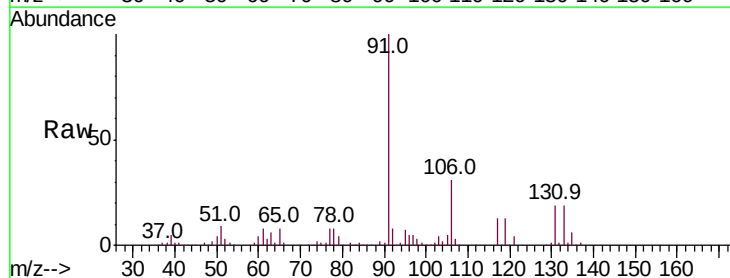
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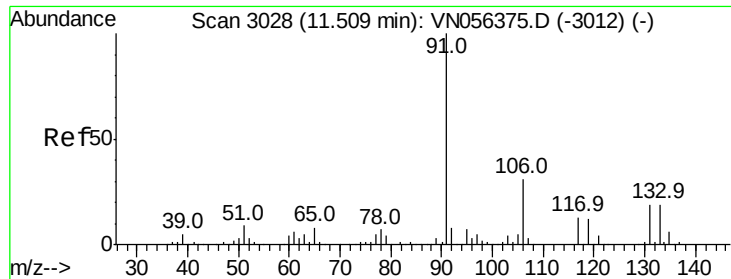
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.943 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion:131 Resp: 67180
Ion Ratio Lower Upper
131 100
133 97.0 47.4 142.2
119 67.6 32.8 98.4





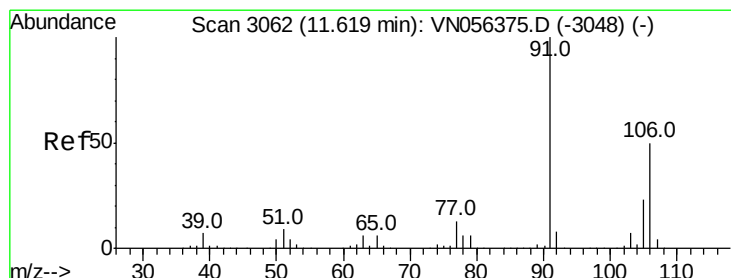
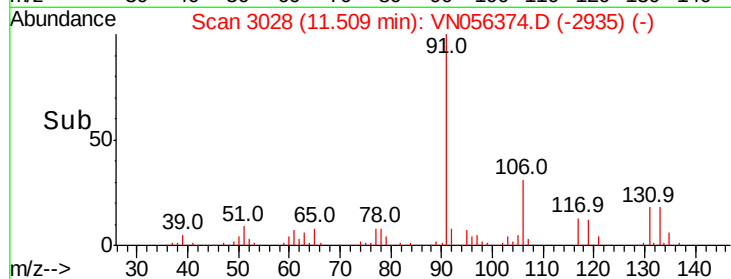
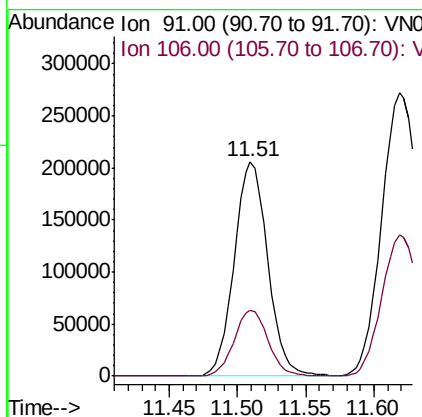
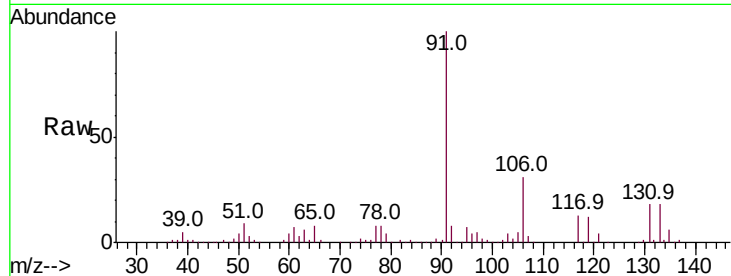
#67
Ethyl Benzene
Concen: 20.258 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 351679
Ion Ratio Lower Upper
91 100
106 30.9 25.1 37.7

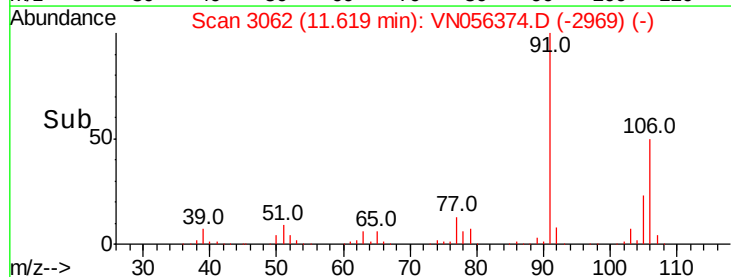
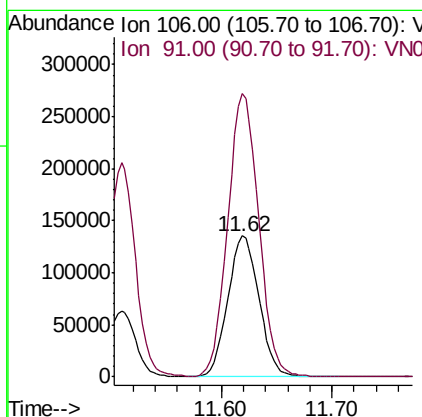
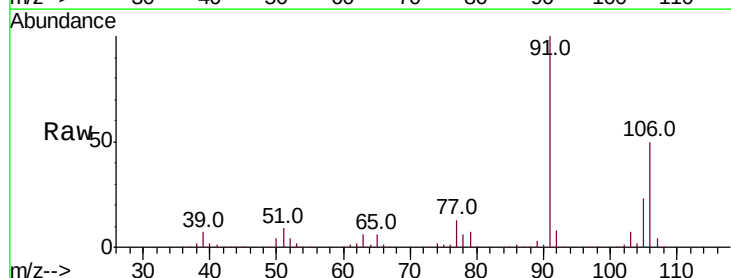
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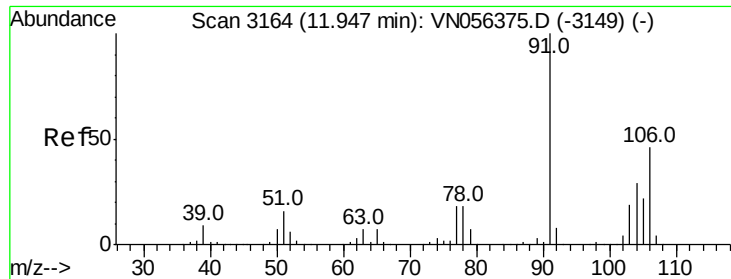
MMDadoda
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#68
m/p-Xylenes
Concen: 41.253 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion: 106 Resp: 266054
Ion Ratio Lower Upper
106 100
91 198.9 160.1 240.1





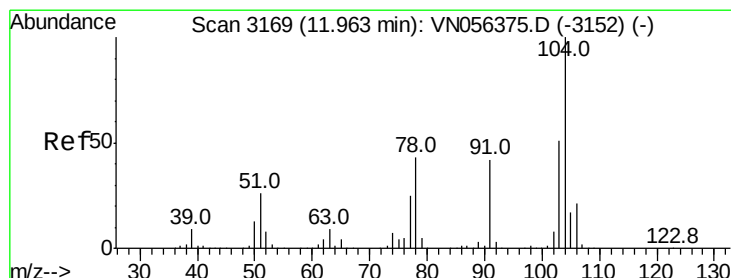
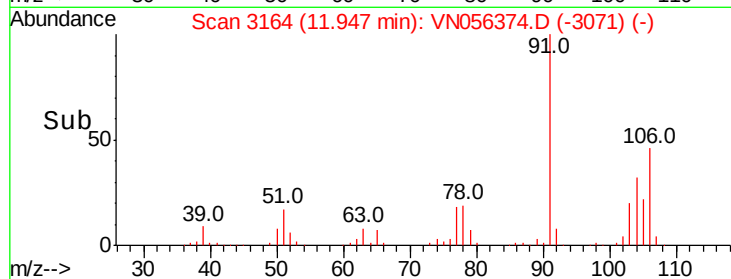
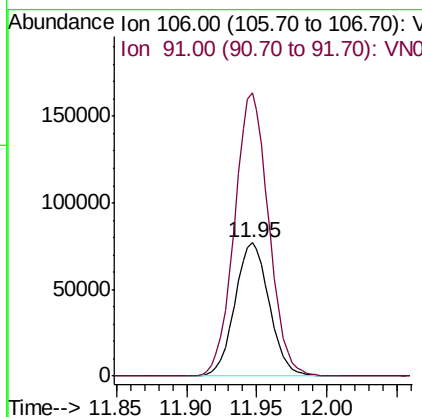
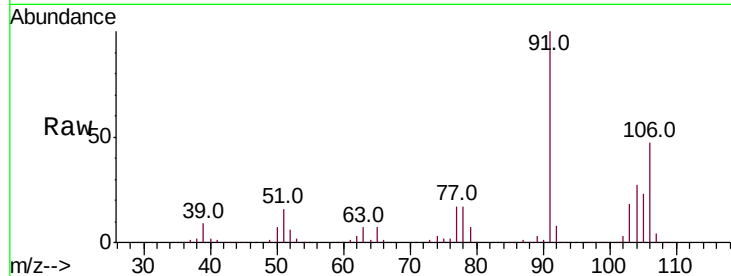
#69
o-Xylene
Concen: 20.688 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 131499
Ion Ratio Lower Upper
106 100
91 211.4 107.1 321.3

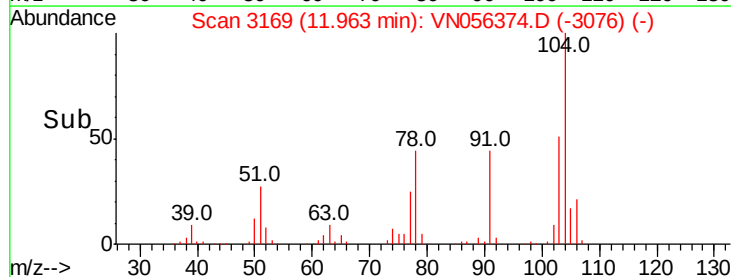
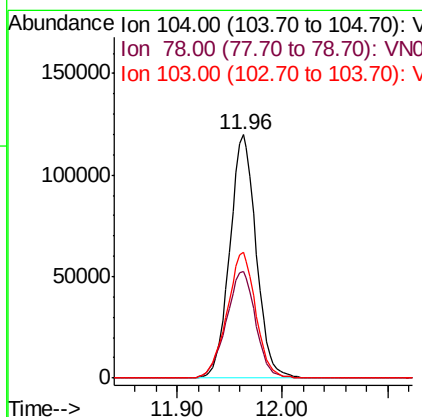
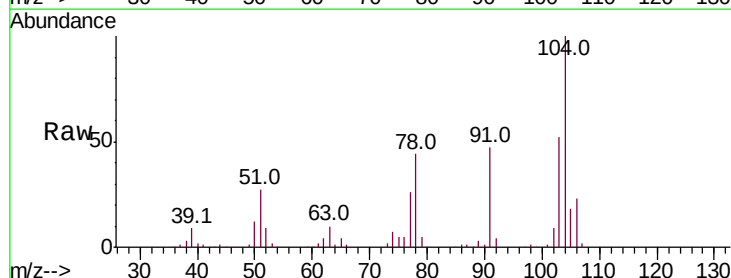
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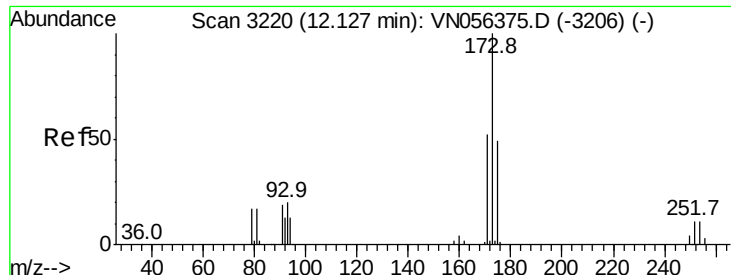
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#70
Styrene
Concen: 20.161 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion:104 Resp: 206782
Ion Ratio Lower Upper
104 100
78 48.9 38.6 57.8
103 56.2 43.9 65.9





#71

Bromoform

Concen: 15.574 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 44406

Ion Ratio Lower Upper

173 100

175 48.4 24.4 73.4

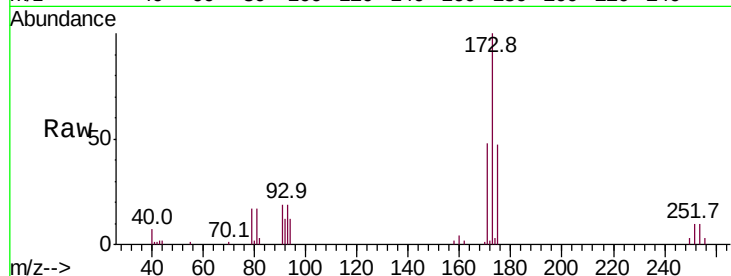
254 0.0 0.0 0.0

Manual Integrations

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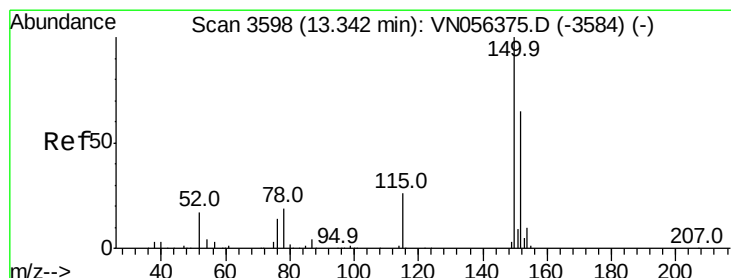
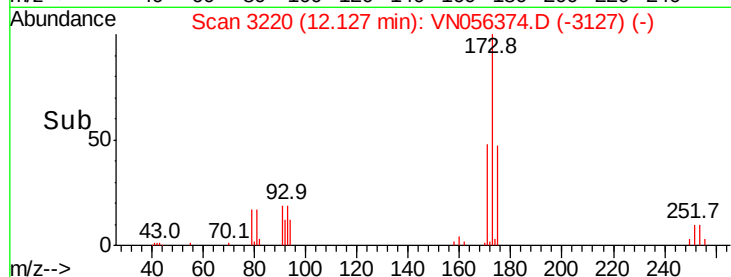
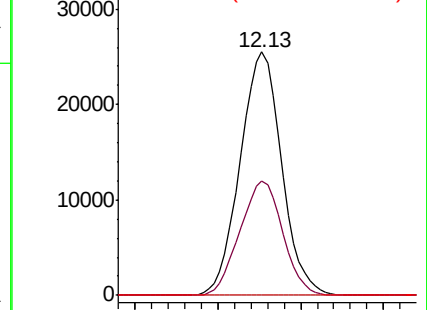
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN056374.D

Acq: 19 Jun 2019 9:39

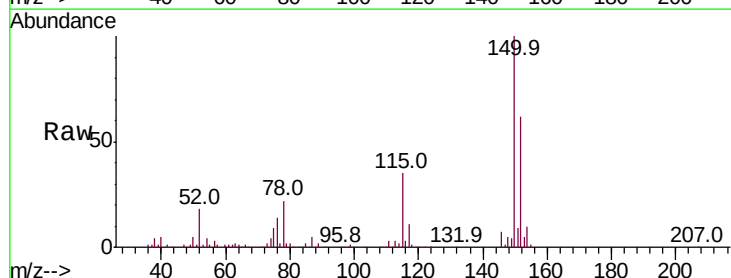
Tgt Ion:152 Resp: 189548

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.4

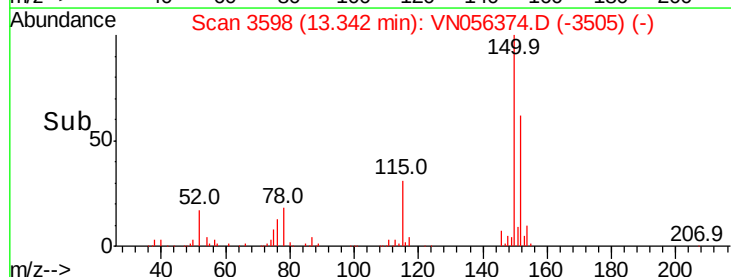
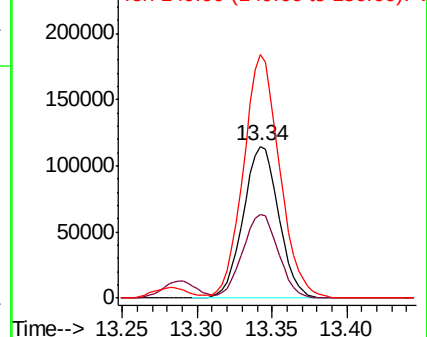
150 163.9 0.0 348.4

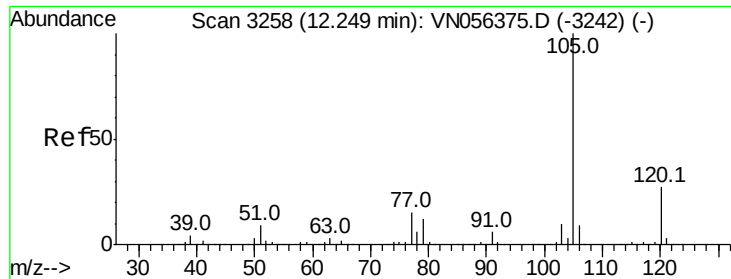


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.090 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 341217

Ion Ratio Lower Upper

105 100

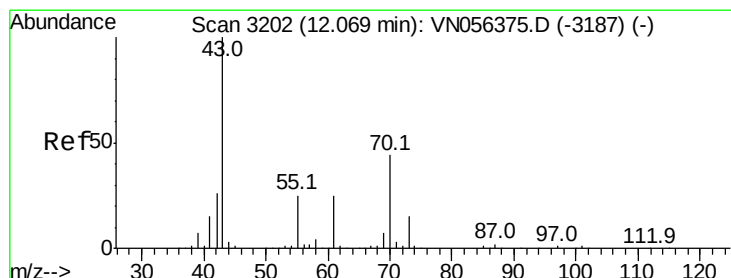
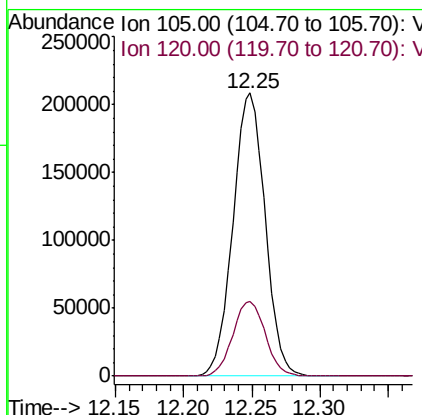
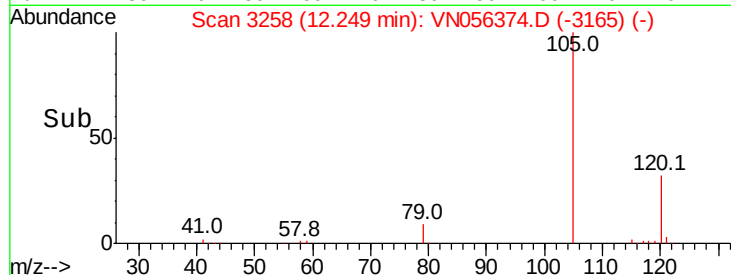
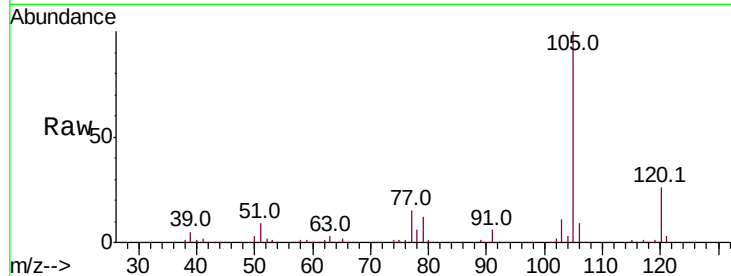
120 26.8 13.4 40.2

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#74

N-ethyl acetate

Concen: 20.637 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Tgt Ion: 43 Resp: 122757

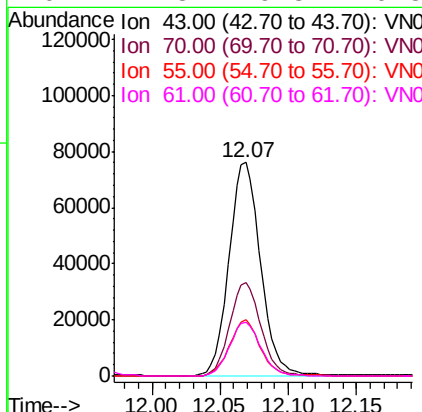
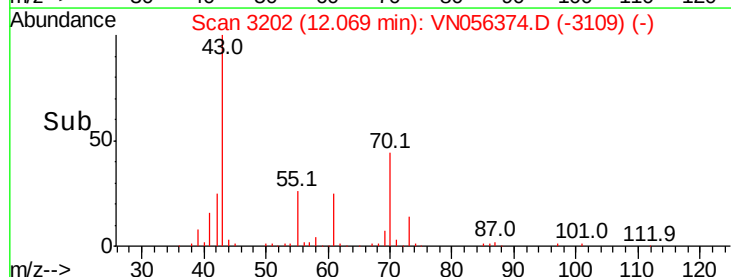
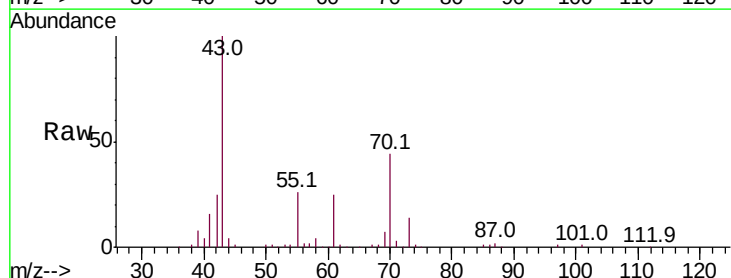
Ion Ratio Lower Upper

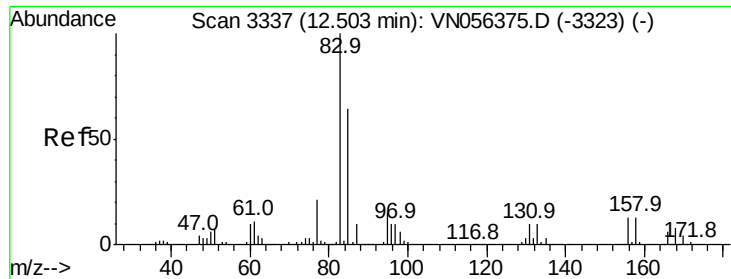
43 100

70 43.4 34.9 52.3

55 25.4 20.4 30.6

61 24.8 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.142 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

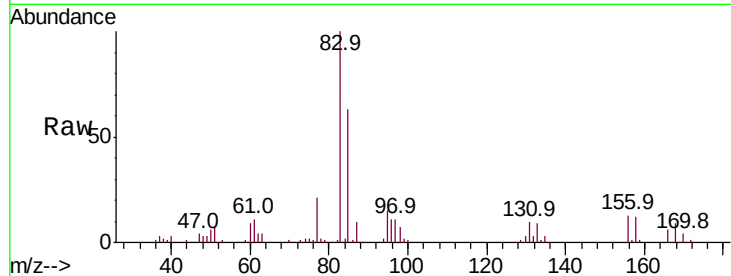
ClientSampled :

VSTDIC020

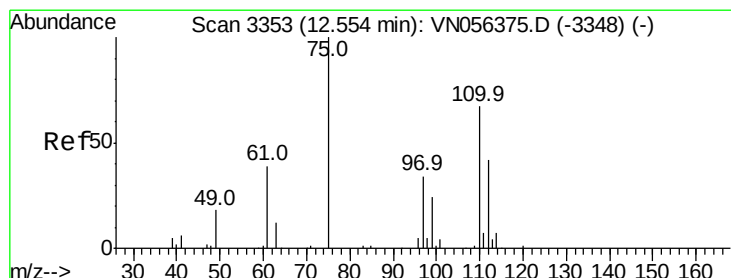
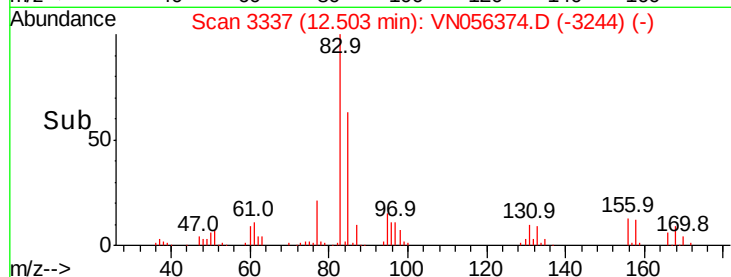
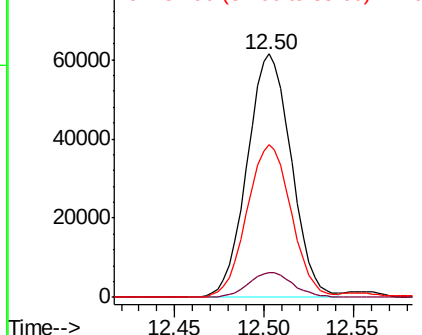
Tot Ion:	83	Resp:	106454
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	62.8	32.4	97.0

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



#76

1,2,3-Trichloropropane

Concen: 21.482 ug/l m

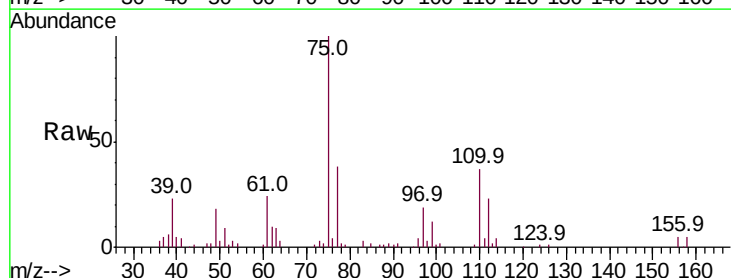
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

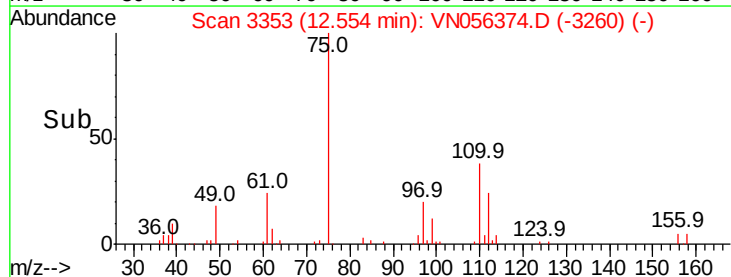
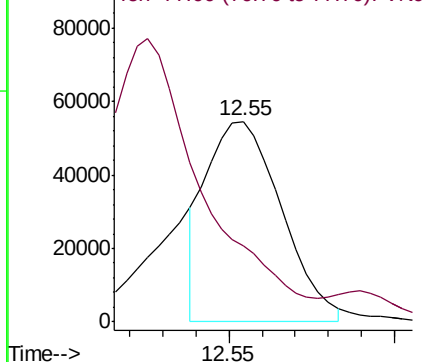
Lab File: VN056374.D

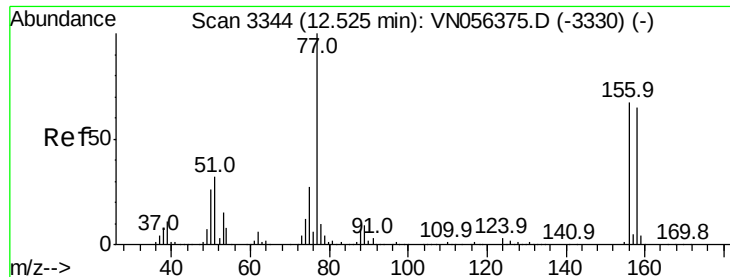
Acq: 19 Jun 2019 9:39

Tgt Ion:	75	Resp:	86273
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 20.265 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 86362

Ion Ratio Lower Upper

156 100

77 188.4 92.5 277.3

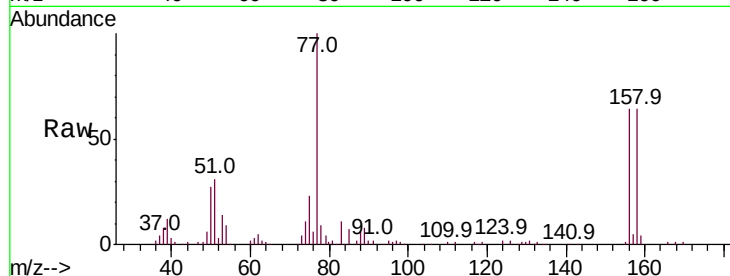
158 98.0 48.7 146.1

Manual Integrations

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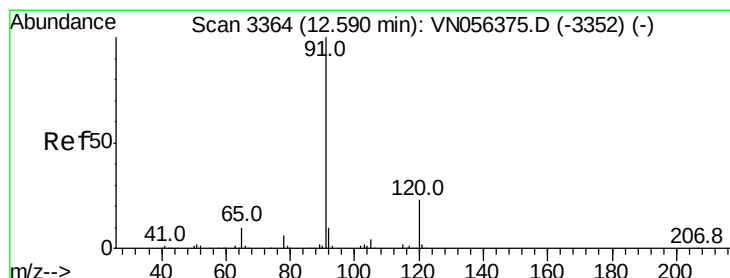
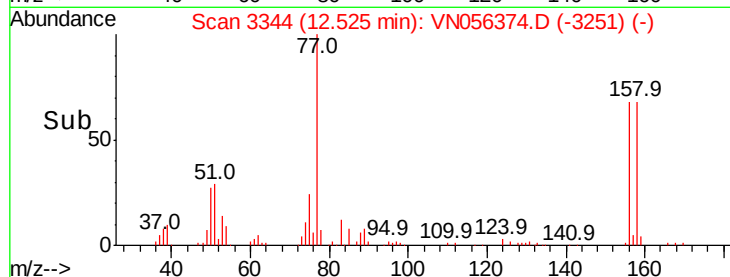
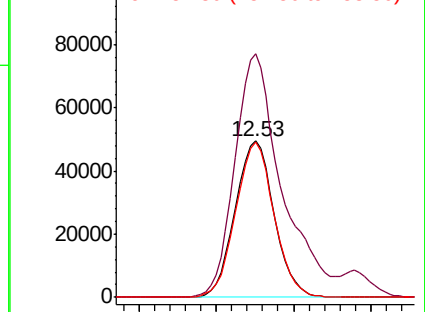
6/21/2019 10:52:05 PM



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: 21.279 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056374.D

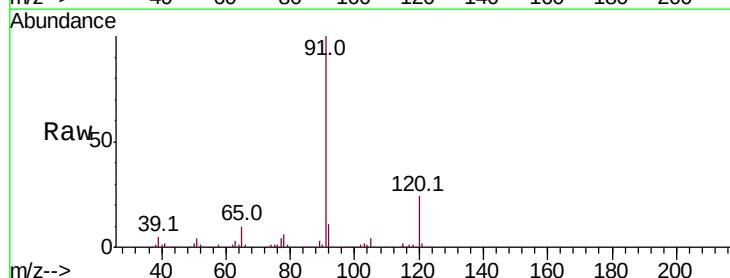
Acq: 19 Jun 2019 9:39

Tgt Ion: 91 Resp: 360004

Ion Ratio Lower Upper

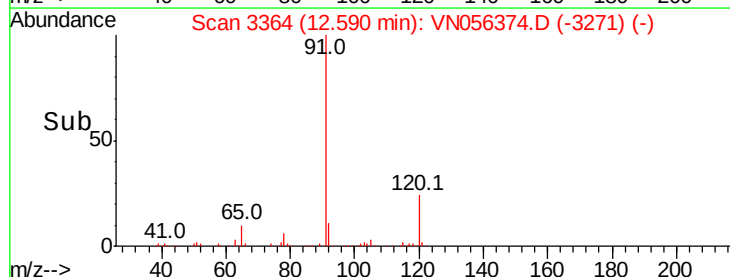
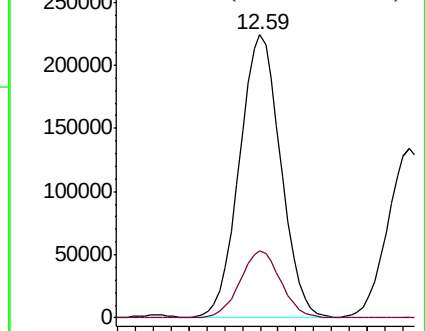
91 100

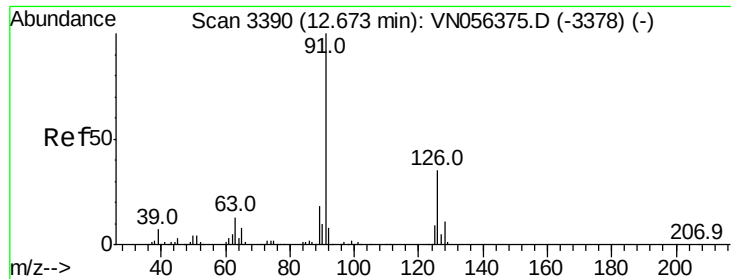
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





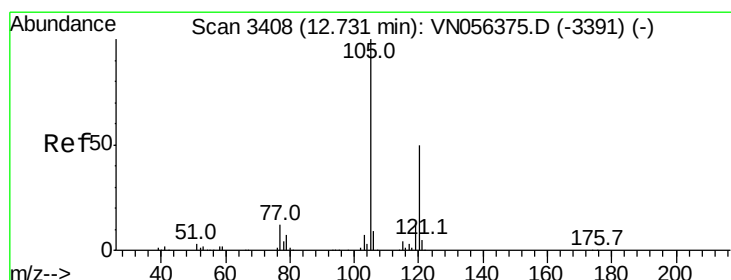
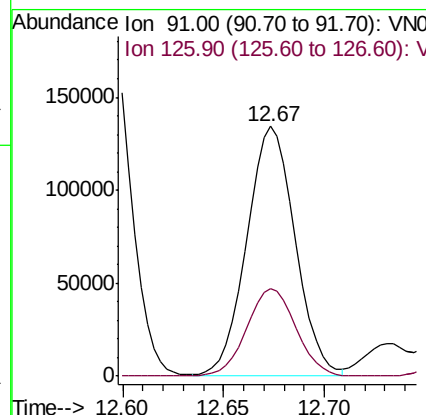
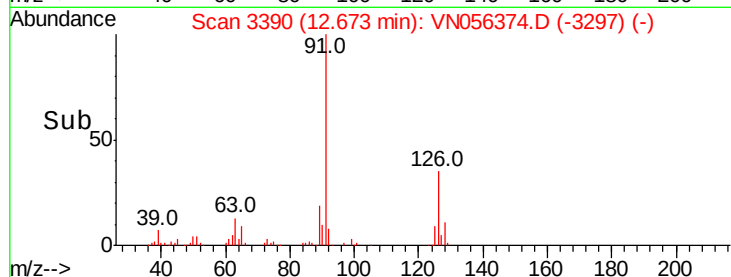
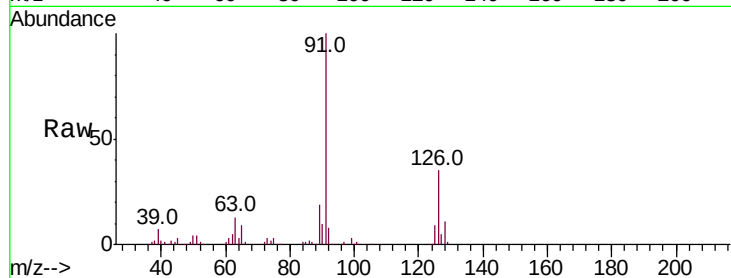
#79
2-Chlorotoluene
Concen: 20.828 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.6	52.8

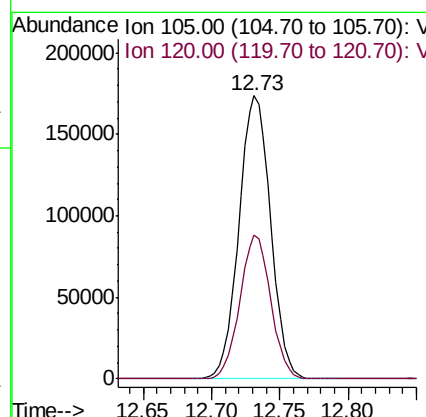
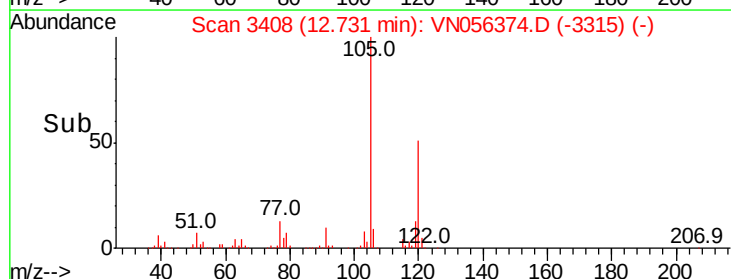
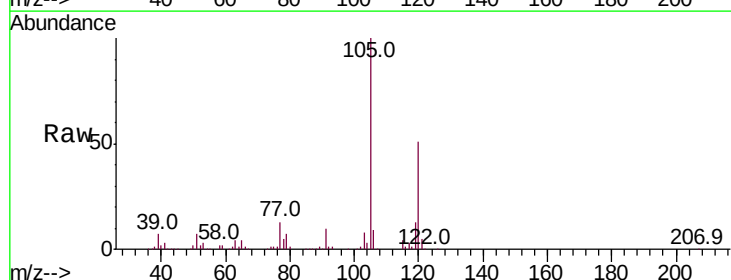
Manual Integrations
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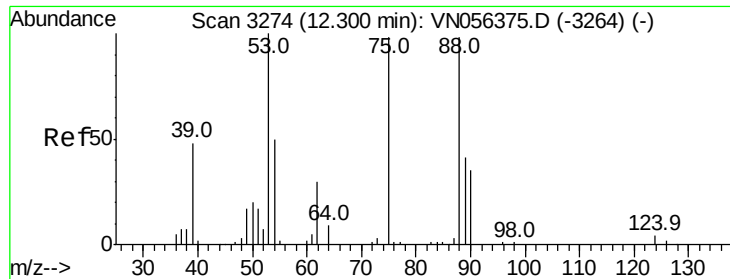
MMDadoda
6/21/2019 10:52:05 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.127 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.8	74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.392 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Instrument :

MSVOA_N

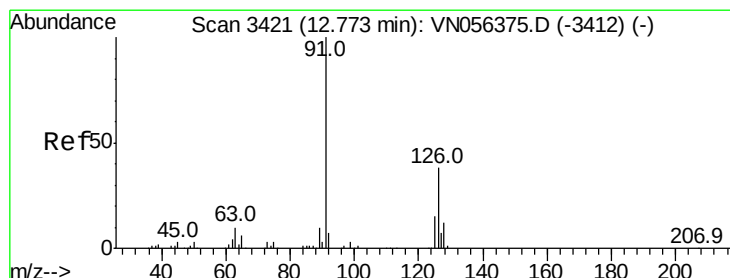
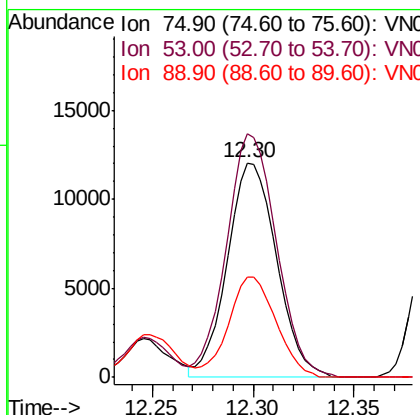
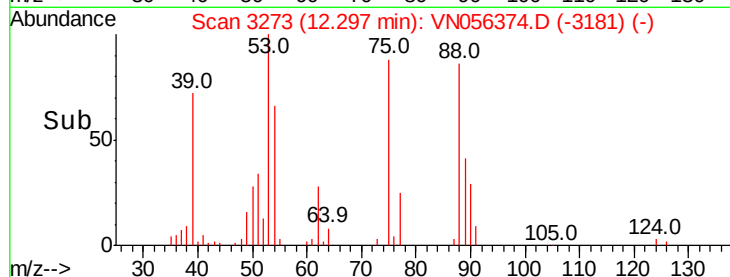
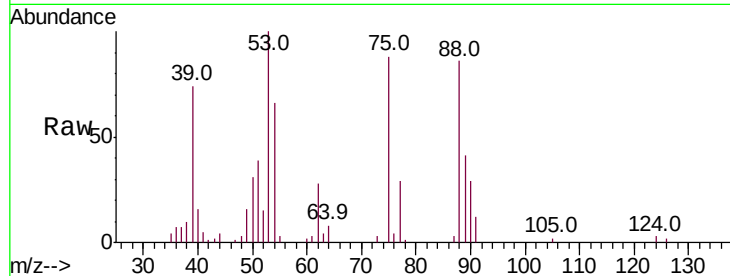
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	20664
Ion	Ratio	Lower	Upper
75	100		
53	115.1	83.9	125.9
89	45.2	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.829 ug/l

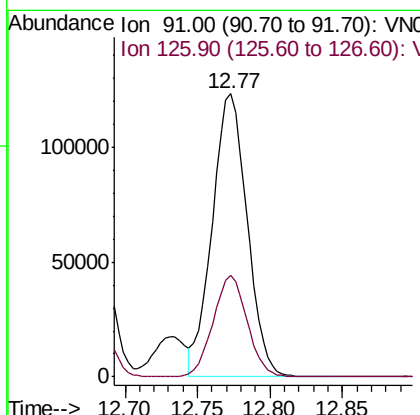
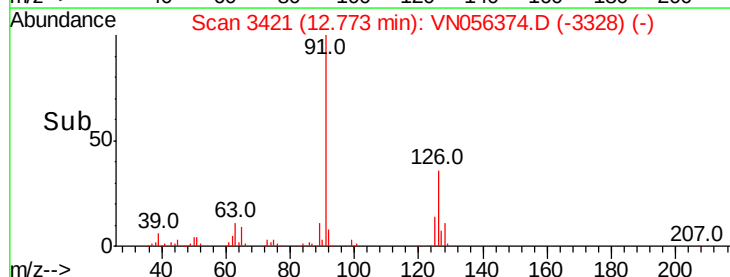
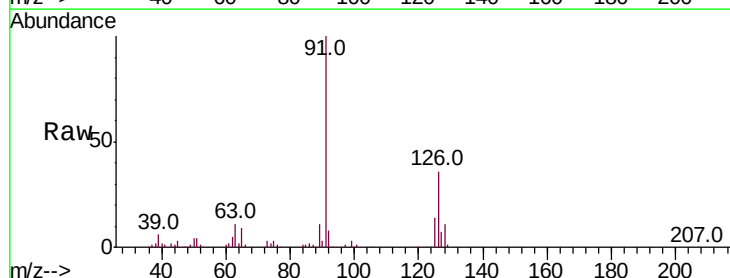
RT: 12.77 min Scan# 3421

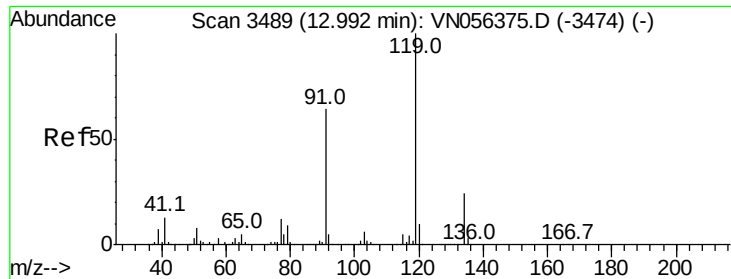
Delta R.T. 0.00 min

Lab File: VN056374.D

Acq: 19 Jun 2019 9:39

Tgt Ion:	91	Resp:	207179
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	52.0





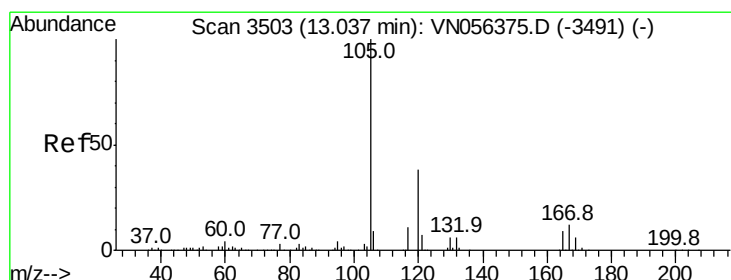
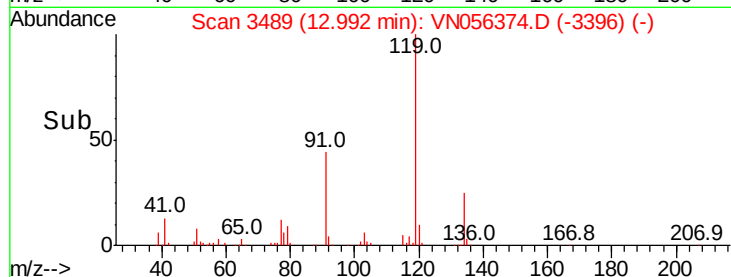
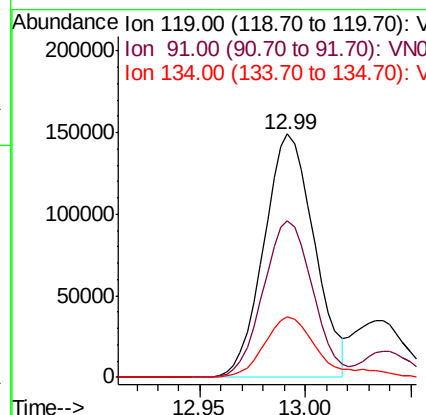
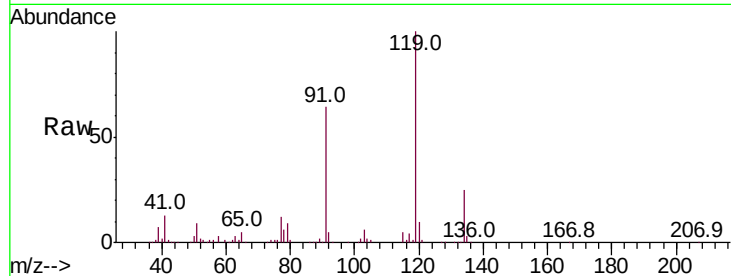
#83
tert-Butylbenzene
Concen: 21.025 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	248429		
91	63.4	31.6	94.7	
134	26.8	13.2	39.5	

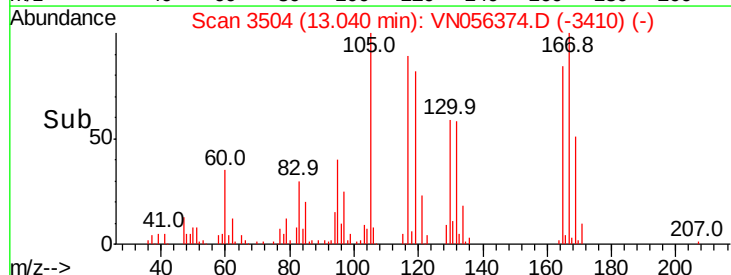
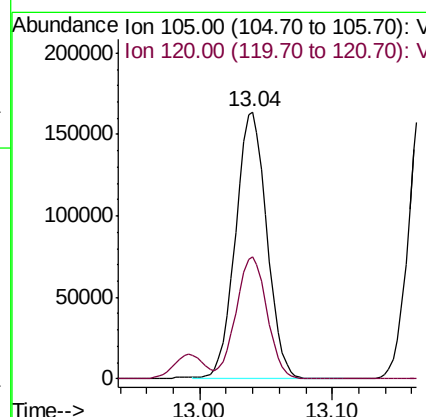
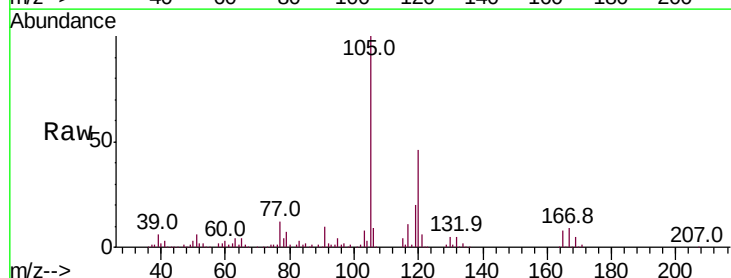
Manual Integrations
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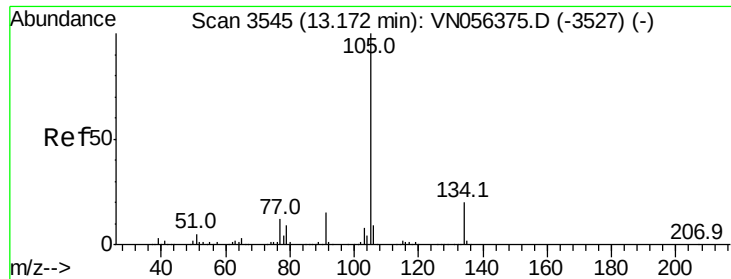
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#84
1,2,4-Trimethylbenzene
Concen: 21.776 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267172		
120	45.6	22.9	68.8	





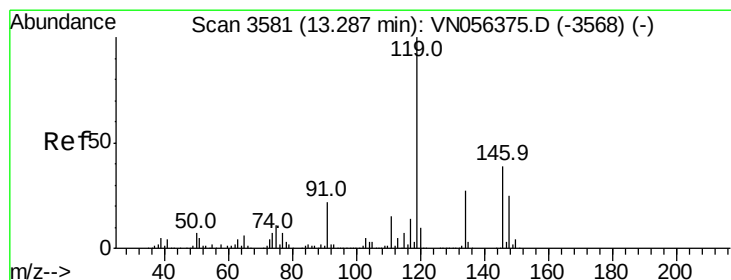
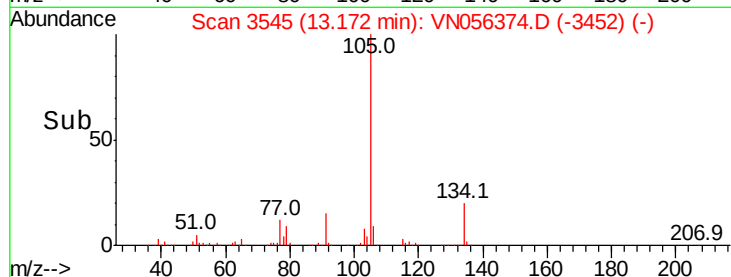
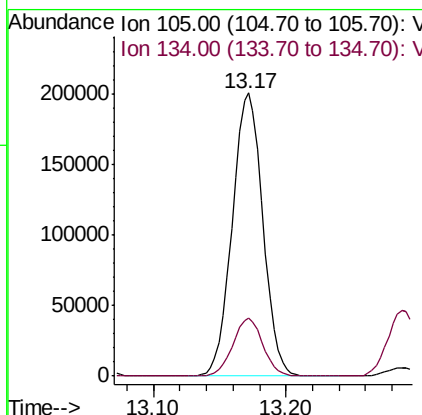
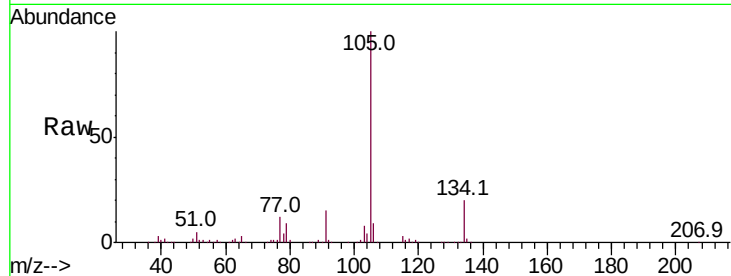
#85
 sec-Butylbenzene
 Concen: 21.571 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.2	30.4

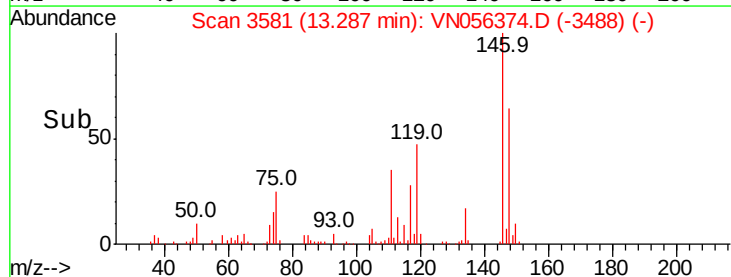
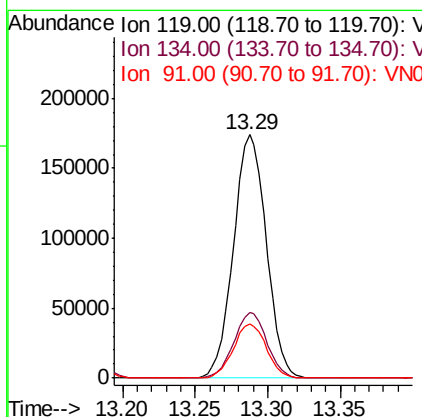
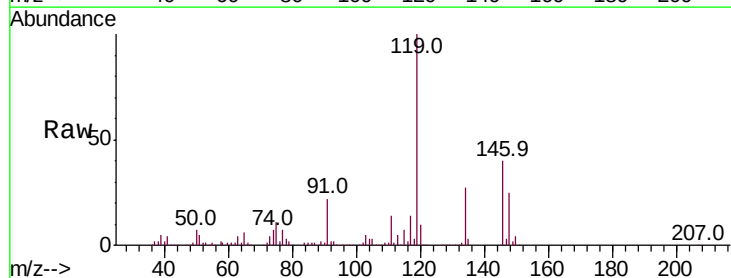
Manual Integrations
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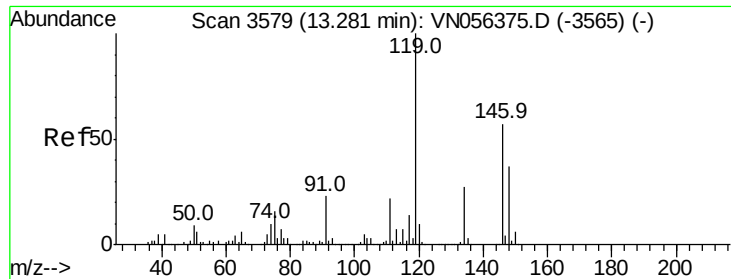
MMDadoda
 6/21/2019 10:52:05 PM



#86
 p-Isopropyltoluene
 Concen: 21.492 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.5	40.4
91	22.4	11.2	33.5





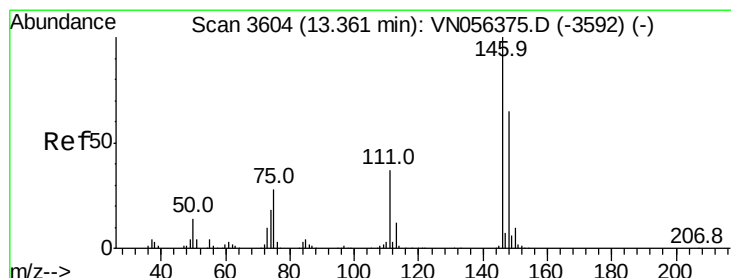
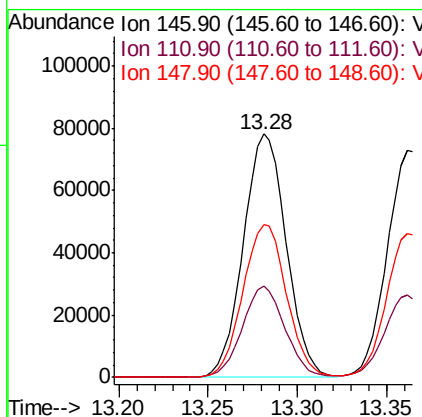
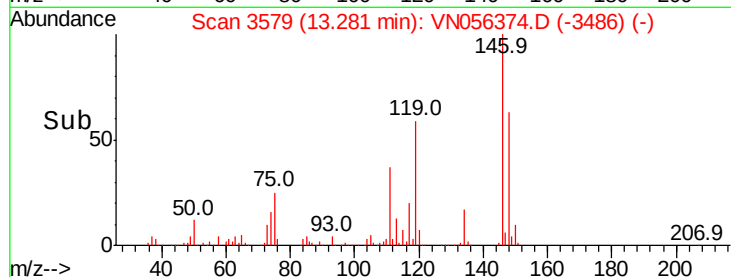
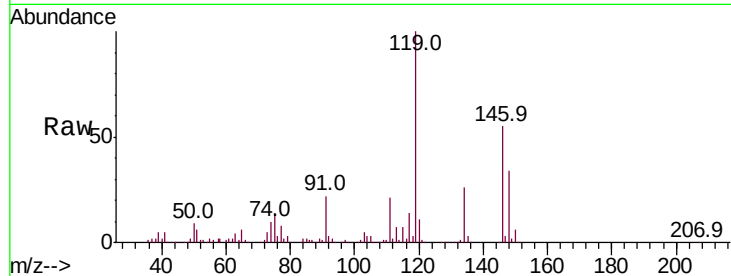
#87
 1,3-Dichlorobenzene
 Concen: 20.436 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.9
148	63.8	32.1	96.5

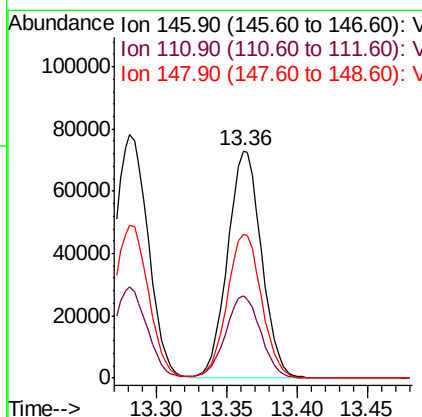
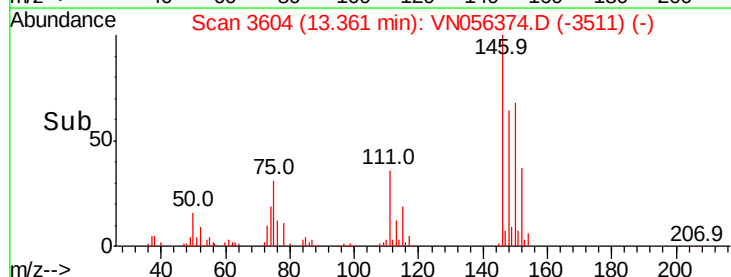
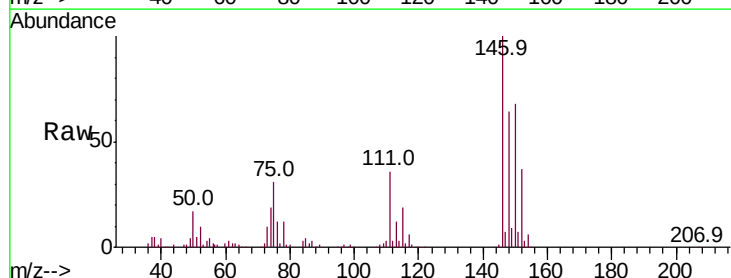
Manual Integrations
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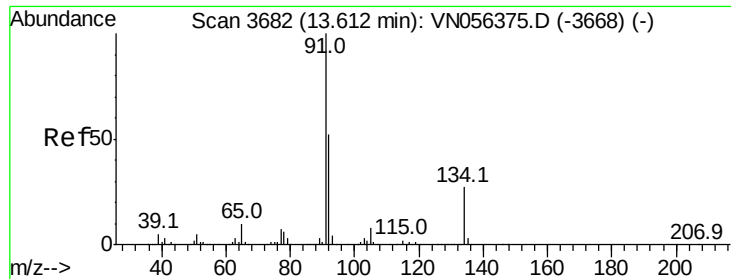
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#88
 1,4-Dichlorobenzene
 Concen: 19.967 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.4
148	64.3	32.4	97.0





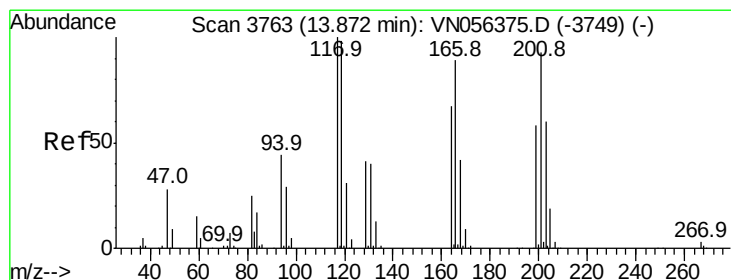
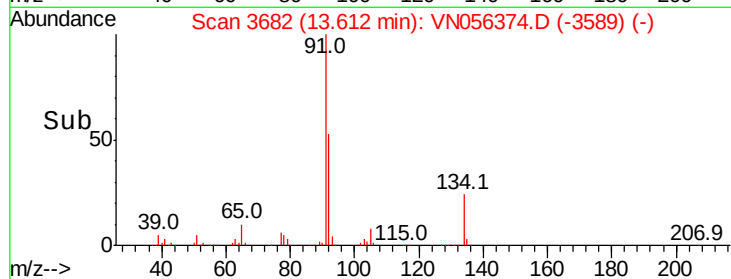
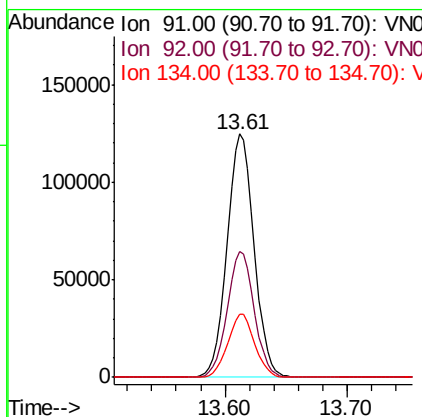
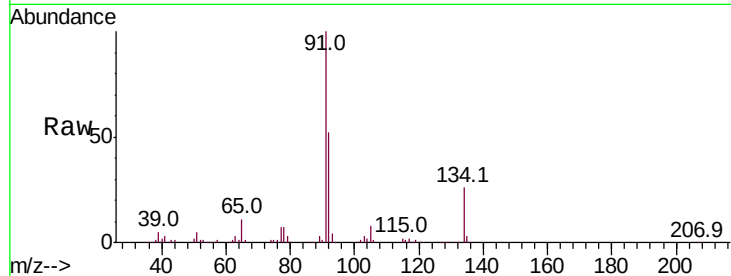
#89
n-Butylbenzene
Concen: 20.293 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.5
134	25.9	13.4	40.2

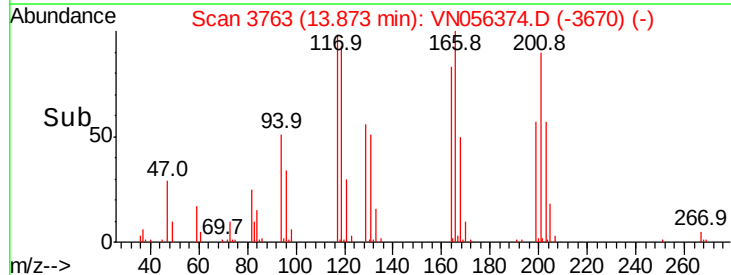
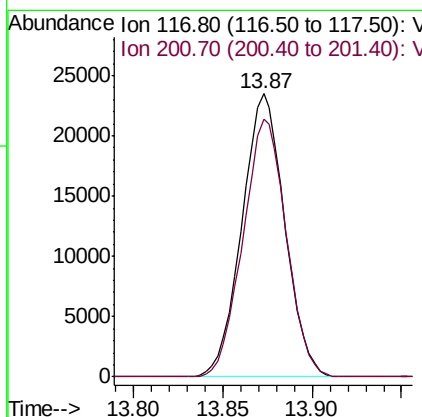
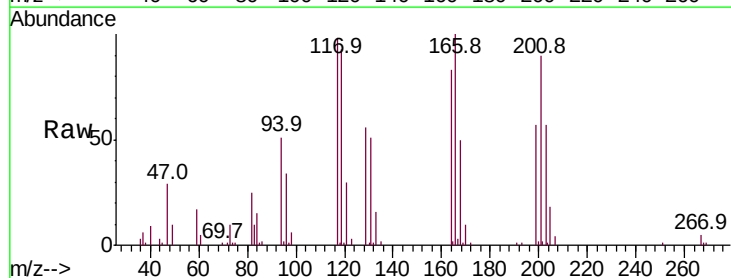
Manual Integrations
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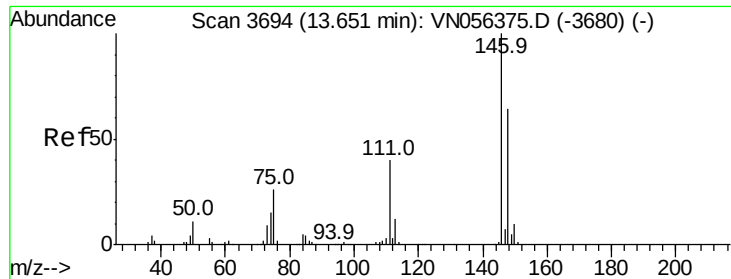
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6/21/2019 10:52:05 PM



#90
Hexachloroethane
Concen: 16.164 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.2	45.9	137.6





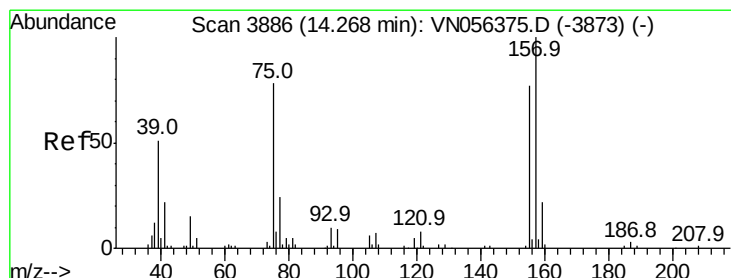
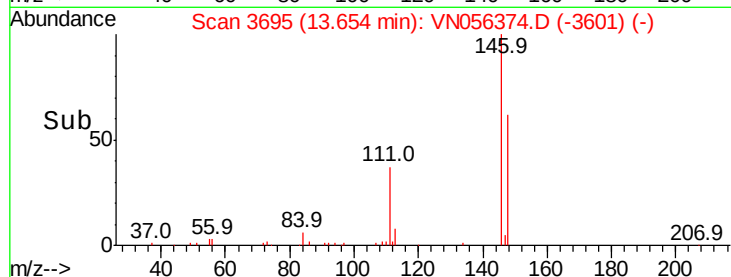
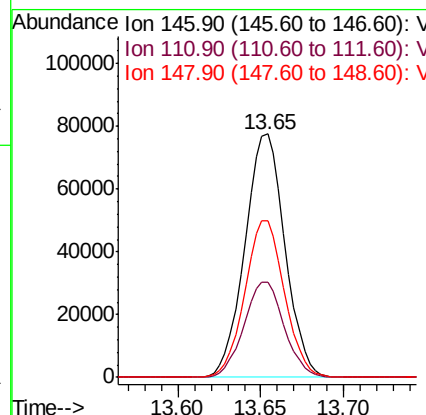
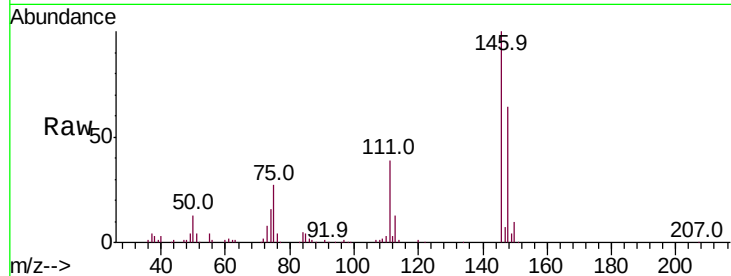
#91
 1,2-Dichlorobenzene
 Concen: 20.608 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	129931		
111	39.4	19.3	57.9	
148	64.0	32.0	96.0	

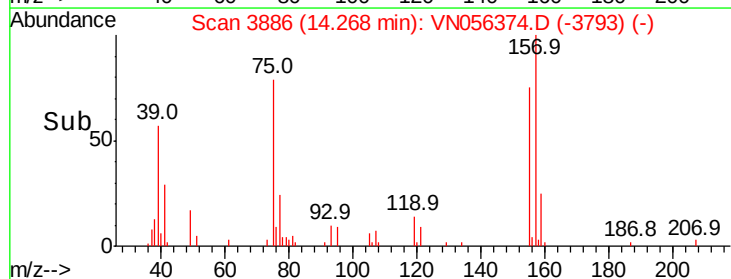
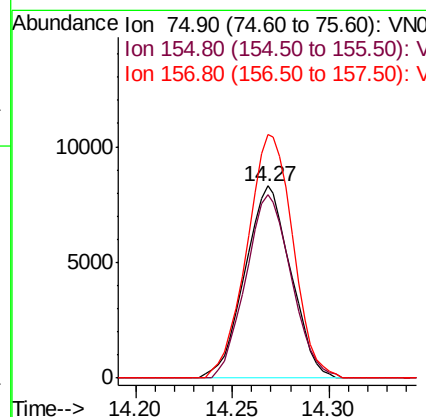
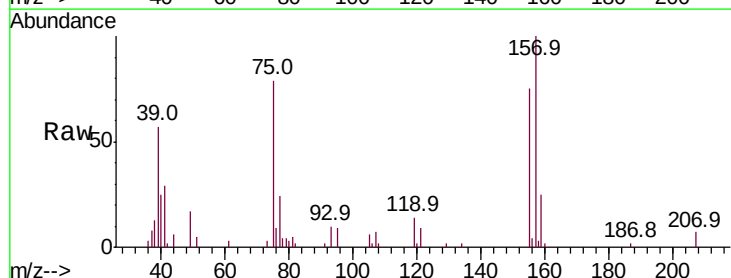
Manual Integrations
 APPROVED

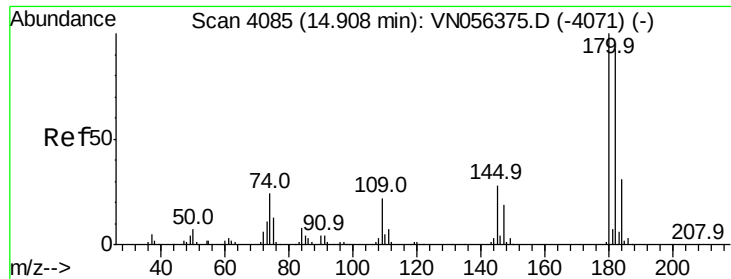
MMDadoda
 6/21/2019 10:52:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.993 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13715		
155	94.2	48.9	146.8	
157	126.7	62.9	188.8	





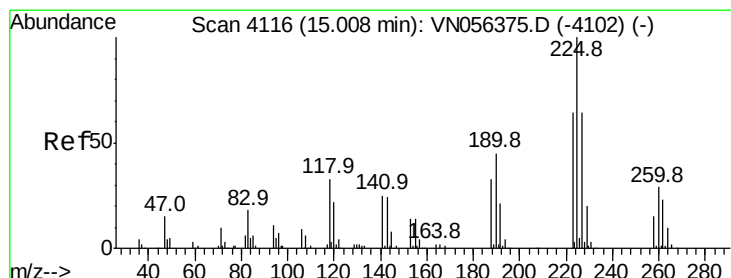
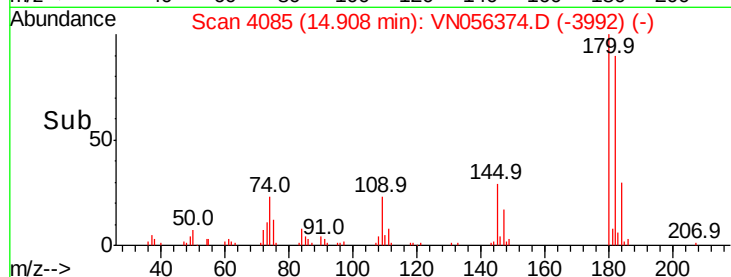
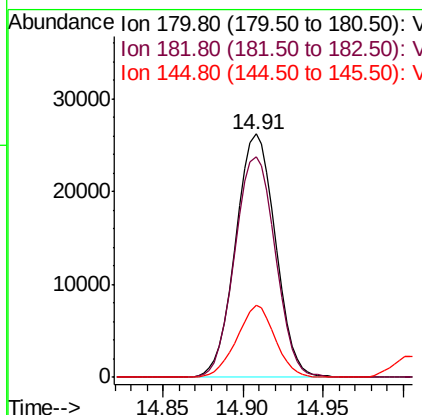
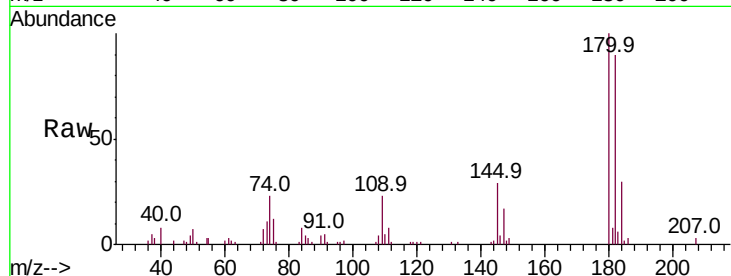
#93
 1,2,4-Trichlorobenzene
 Concen: 16.757 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.2	46.9	140.6	
145	28.3	14.4	43.0	

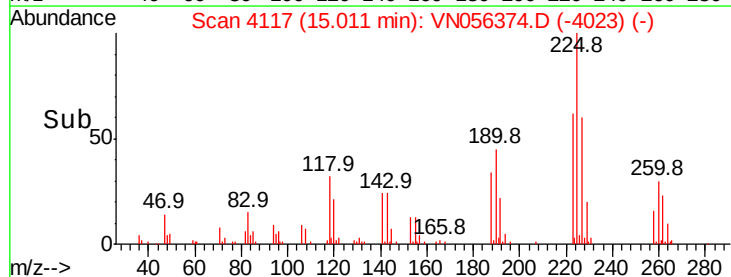
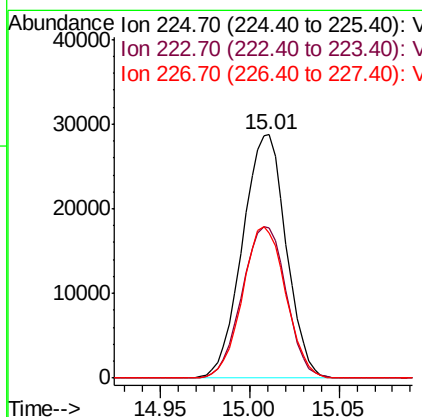
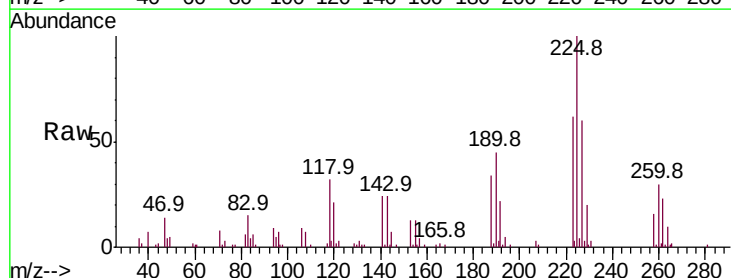
Manual Integrations
 APPROVED

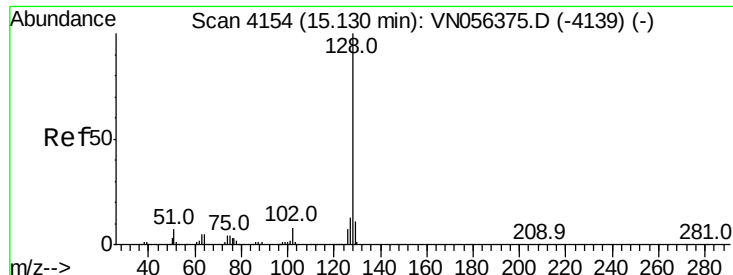
MMDadoda
 6/21/2019 10:52:05 PM



#94
 Hexachlorobutadiene
 Concen: 19.507 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056374.D
 Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.4	94.3	
227	61.7	32.1	96.3	





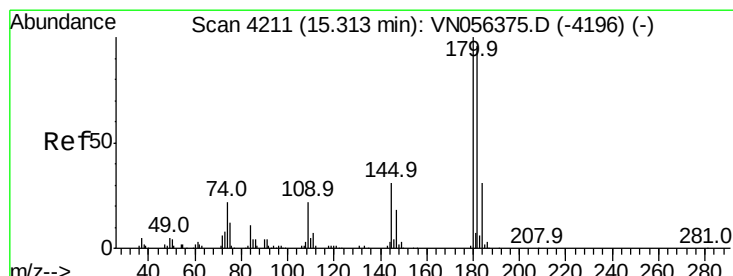
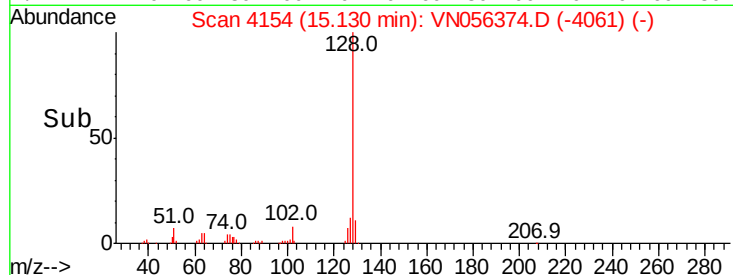
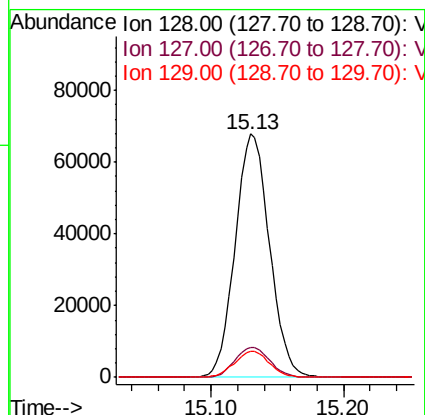
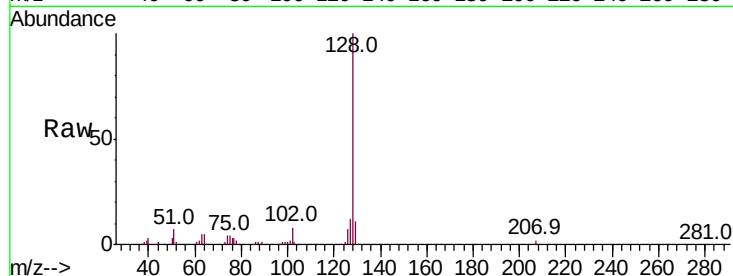
#95
Naphthalene
Concen: 17.079 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	122170		
127	12.5		10.2	15.2
129	10.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/21/2019 10:52:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.854 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056374.D
Acq: 19 Jun 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51050		
182	94.9		48.3	144.8
145	30.5		15.4	46.1

