

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056376.D
 Acq On : 19 Jun 2019 10:26
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:52:09 PM

Quant Time: Jun 20 04:30:42 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	359404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	551865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	503388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	240057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	388830	96.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.56%	
35) Dibromofluoromethane	7.59	113	344663	98.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.28%	
50) Toluene-d8	10.09	98	1334342	99.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.34%	
62) 4-Bromofluorobenzene	12.40	95	482659	108.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	311817	100.056	ug/l	99
3) Chloromethane	2.06	50	407739	97.308	ug/l	98
4) Vinyl Chloride	2.18	62	399472	97.144	ug/l	99
5) Bromomethane	2.52	94	212690m	89.428	ug/l	
6) Chloroethane	2.67	64	228156m	96.996	ug/l	
7) Trichlorofluoromethane	3.00	101	502336	95.239	ug/l	98
8) Diethyl Ether	3.41	74	212889	100.763	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	319338	93.484	ug/l	100
10) Methyl Iodide	3.94	142	473420	107.313	ug/l	99
11) Tert butyl alcohol	4.80	59	343324	538.287	ug/l	99
12) 1,1-Dichloroethene	3.72	96	315123	95.332	ug/l	99
13) Acrolein	3.60	56	284951	1154.918	ug/l	99
14) Allyl chloride	4.32	41	547380	98.948	ug/l	100
15) Acrylonitrile	4.99	53	946886	522.768	ug/l	100
16) Acetone	3.81	43	968275	444.006	ug/l	100
17) Carbon Disulfide	4.04	76	782960	90.780	ug/l	98
18) Methyl Acetate	4.32	43	383237	80.249	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1044381	102.889	ug/l	99
20) Methylene Chloride	4.55	84	374168	95.369	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	339635	96.711	ug/l	98
22) Diisopropyl ether	5.95	45	1095526	99.971	ug/l	95
23) Vinyl Acetate	5.89	43	4697483	527.942	ug/l	100
24) 1,1-Dichloroethane	5.85	63	626597	97.841	ug/l	99
25) 2-Butanone	6.83	43	1354194	505.232	ug/l	99
26) 2,2-Dichloropropane	6.82	77	451106	97.678	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	400955	98.247	ug/l	100
28) Bromochloromethane	7.19	49	307175	95.821	ug/l	99
29) Tetrahydrofuran	7.21	42	823414	513.932	ug/l	99
30) Chloroform	7.37	83	617451	96.948	ug/l	99
31) Cyclohexane	7.65	56	586217	94.966	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	510597	97.086	ug/l	99
36) 1,1-Dichloropropene	7.79	75	475541	96.633	ug/l	99
37) Ethyl Acetate	6.93	43	490229	104.617	ug/l	98
38) Carbon Tetrachloride	7.77	117	434238	93.106	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	597831	99.793	ug/l	100
40) Benzene	8.04	78	1452660	97.385	ug/l	99
41) Methacrylonitrile	7.18	41	235783m	112.355	ug/l	
42) 1,2-Dichloroethane	8.12	62	468790	95.933	ug/l	100
43) Isopropyl Acetate	8.17	43	782946	104.624	ug/l	99
44) Trichloroethene	8.83	130	394959	97.172	ug/l	99
45) 1,2-Dichloropropane	9.12	63	389175	98.538	ug/l	99
46) Dibromomethane	9.21	93	251342	96.215	ug/l	100
47) Bromodichloromethane	9.40	83	471307	95.245	ug/l	98
48) Methyl methacrylate	9.20	41	386865	103.200	ug/l	99
49) 1,4-Dioxane	9.20	88	157176	2084.113	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	2503200	525.734	ug/l	100
52) Toluene	10.16	92	910407	100.218	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	520869	105.445	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	592196	103.490	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	369380	98.519	ug/l	99
56) Ethyl methacrylate	10.43	69	592092	110.002	ug/l	99
57) 1,3-Dichloropropane	10.71	76	621114	98.455	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1092682	614.186	ug/l	100
59) 2-Hexanone	10.75	43	1840985	522.198	ug/l	99
60) Dibromochloromethane	10.90	129	384653	99.509	ug/l	99
61) 1,2-Dibromoethane	11.00	107	389972	101.367	ug/l	99
64) Tetrachloroethene	10.63	164	373533	91.466	ug/l	99
65) Chlorobenzene	11.43	112	997472	98.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	359063	95.204	ug/l	99
67) Ethyl Benzene	11.51	91	1753836	100.296	ug/l	99
68) m/p-Xylenes	11.62	106	1329344	204.627	ug/l	99
69) o-Xylene	11.95	106	650292	101.563	ug/l	99
70) Styrene	11.96	104	1113774	107.804	ug/l	99
71) Bromoform	12.13	173	283112	98.569	ug/l #	100
73) Isopropylbenzene	12.25	105	1711507	83.528	ug/l	100
74) N-amyl acetate	12.07	43	669660	88.890	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	539208	80.559	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	440221m	86.551	ug/l	
77) Bromobenzene	12.53	156	462645	85.720	ug/l	99
78) n-propylbenzene	12.59	91	1938220	90.461	ug/l	100
79) 2-Chlorotoluene	12.67	91	1152708	84.425	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1449924	86.976	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	151104	94.643	ug/l	90
82) 4-Chlorotoluene	12.77	91	1159173	92.019	ug/l	99
83) tert-Butylbenzene	12.99	119	1257920	84.061	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1434476	92.317	ug/l	100
85) sec-Butylbenzene	13.17	105	1660043	88.188	ug/l	99
86) p-Isopropyltoluene	13.29	119	1508563	93.678	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	777679	95.576	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	751377	96.271	ug/l	100
89) n-Butylbenzene	13.61	91	1253781	103.983	ug/l	100
90) Hexachloroethane	13.87	117	241681	78.376	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	755698	94.640	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	93774	91.740	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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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	420207	124.989	ug/l	99
94) Hexachlorobutadiene	15.01	225	264957	83.038	ug/l	100
95) Naphthalene	15.13	128	1084492	119.707	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	431485	119.158	ug/l	99

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

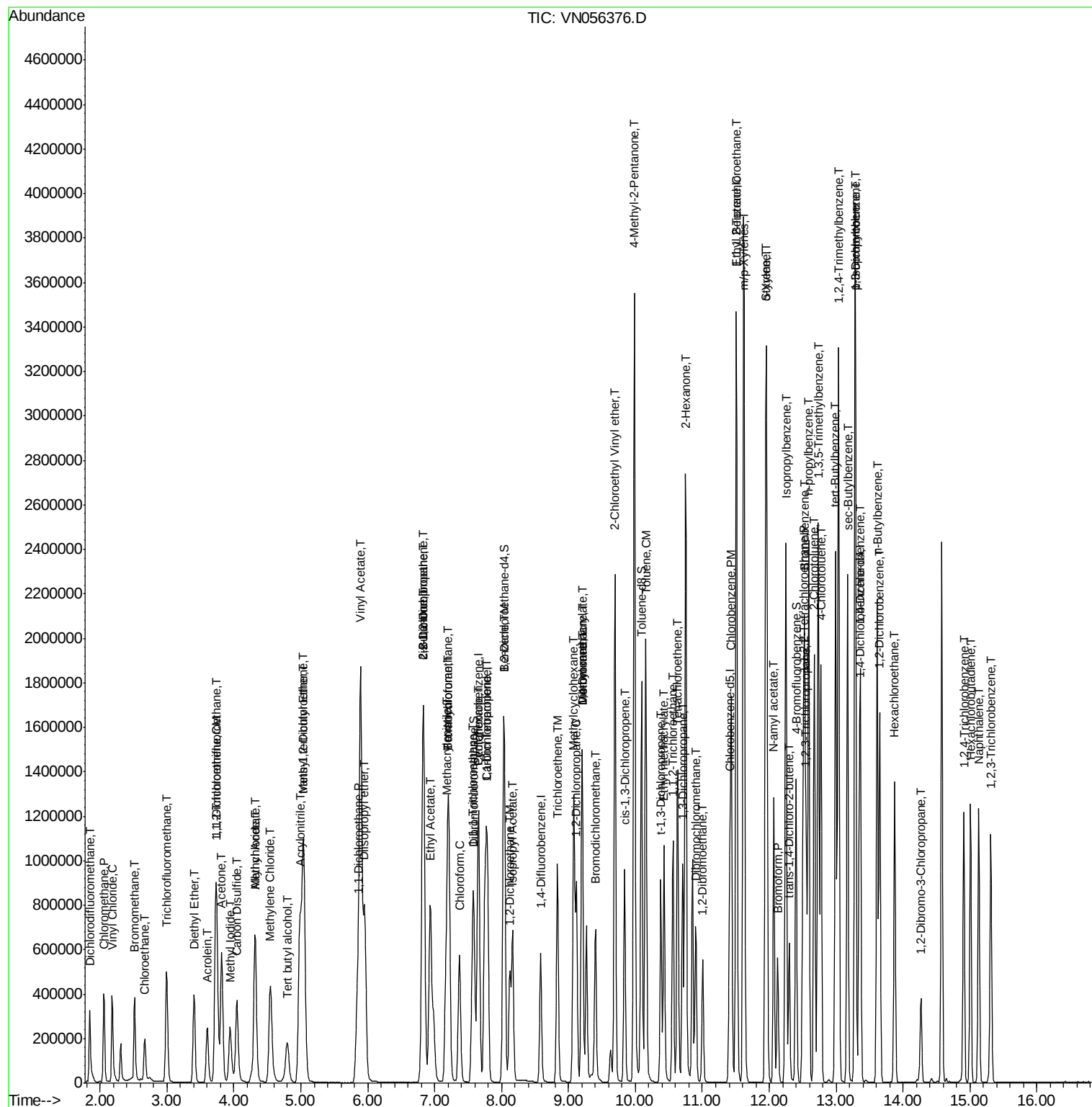
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
Data File : VN056376.D
Acq On : 19 Jun 2019 10:26
Operator : JC/SP
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ALS Vial : 6 Sample Multiplier: 1

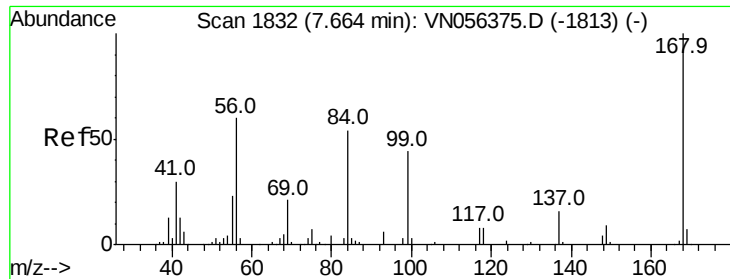
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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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: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 359404

Ion Ratio Lower Upper

168 100

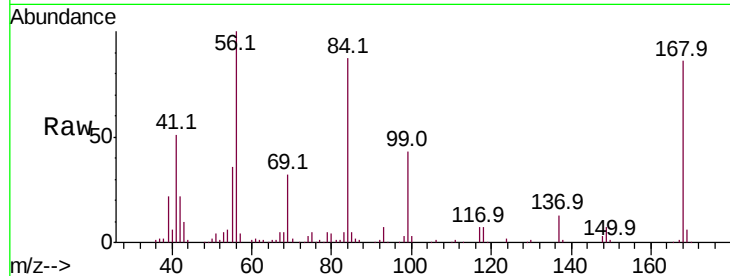
99 49.9 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

50000

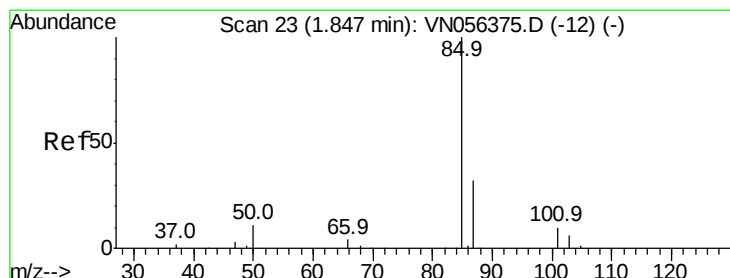
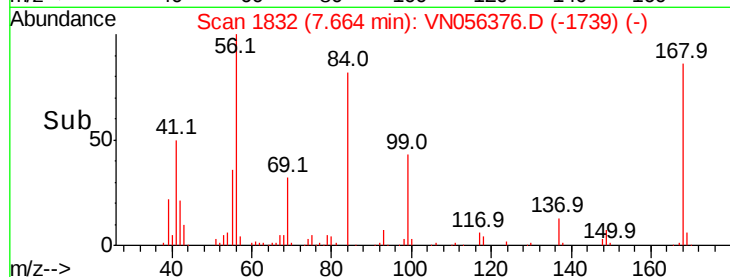
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 100.056 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056376.D

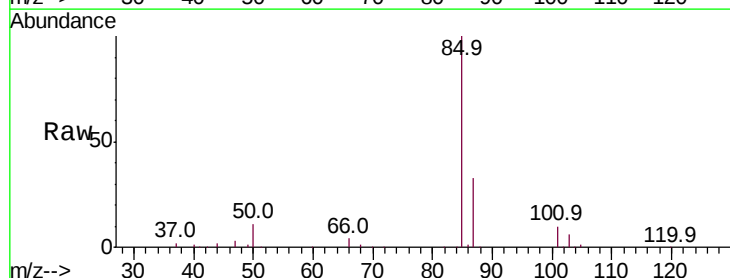
Acq: 19 Jun 2019 10:26

Tgt Ion: 85 Resp: 311817

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

100000

50000

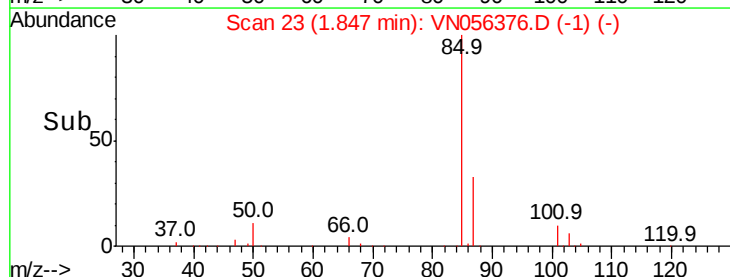
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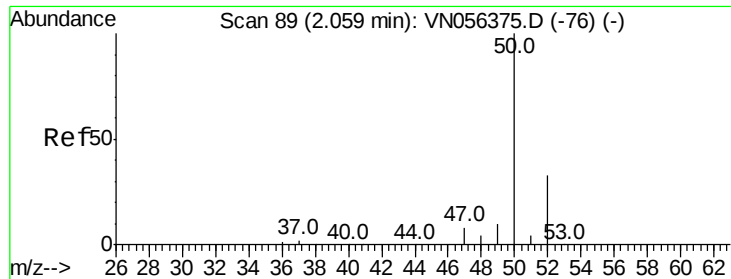
1.85

1.90

2.00

Time-->





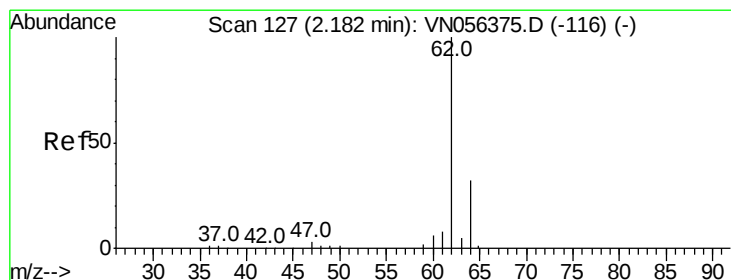
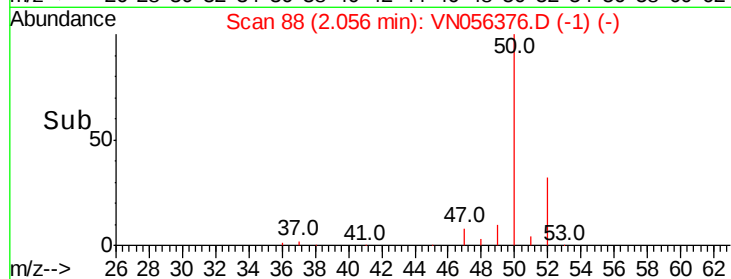
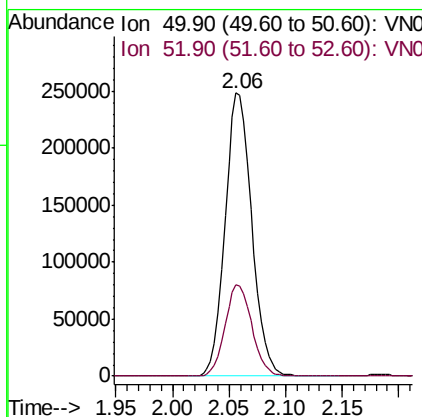
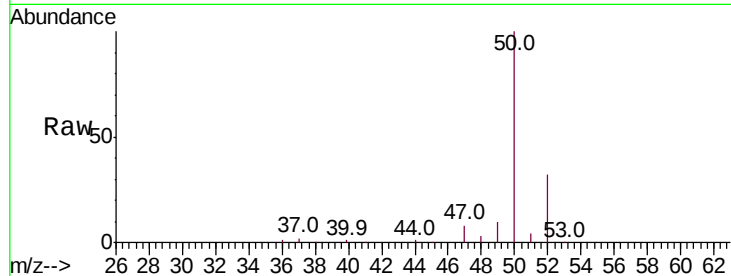
#3
Chloromethane
Concen: 97.308 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 50 Resp: 407739
Ion Ratio Lower Upper
50 100
52 32.1 26.5 39.7

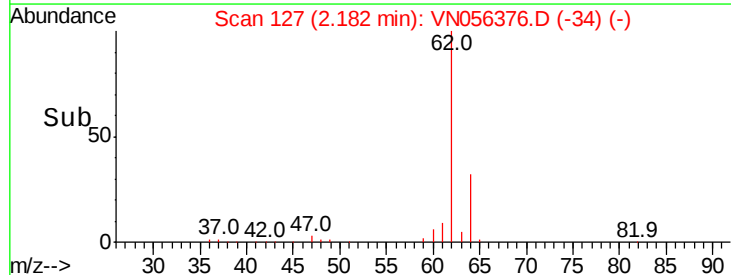
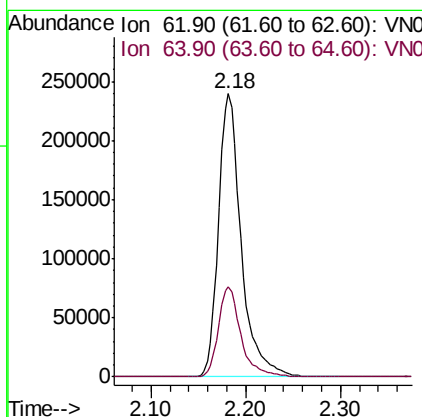
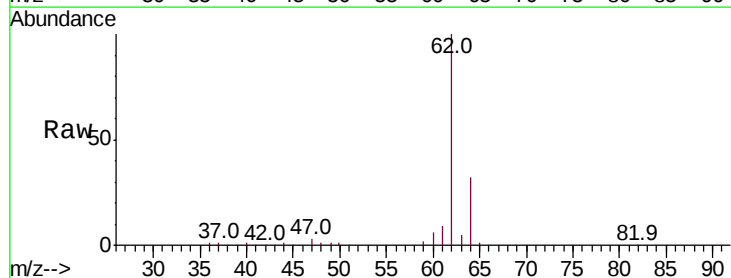
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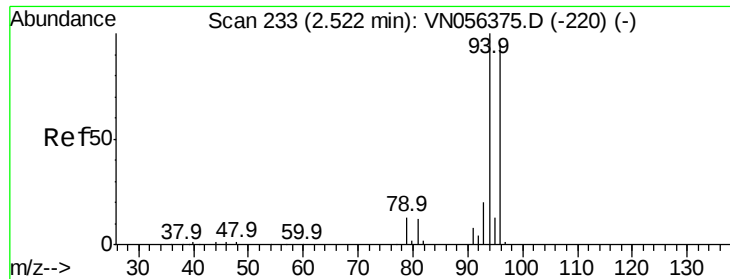
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#4
Vinyl Chloride
Concen: 97.144 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion: 62 Resp: 399472
Ion Ratio Lower Upper
62 100
64 31.7 25.7 38.5





#5

Bromomethane

Concen: 89.428 ug/l m

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 212690

Ion Ratio Lower Upper

94 100

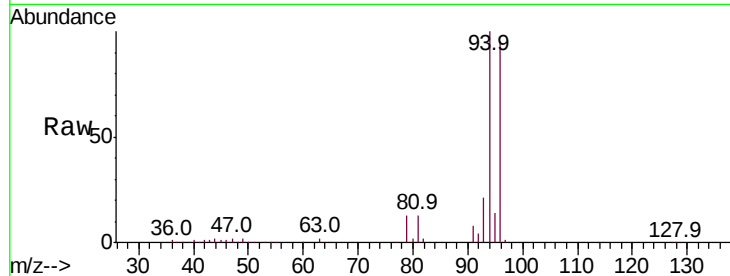
96 94.8 76.0 114.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

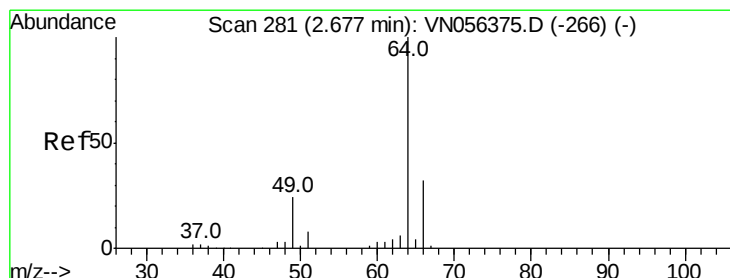
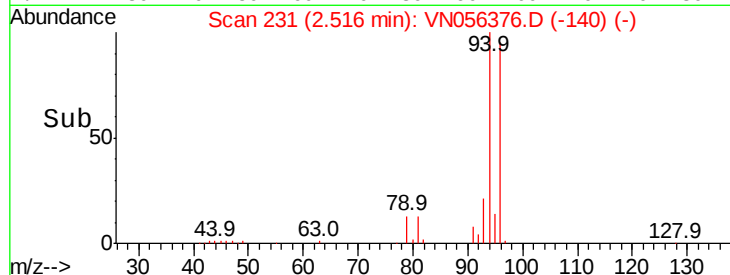
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 96.996 ug/l m

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN056376.D

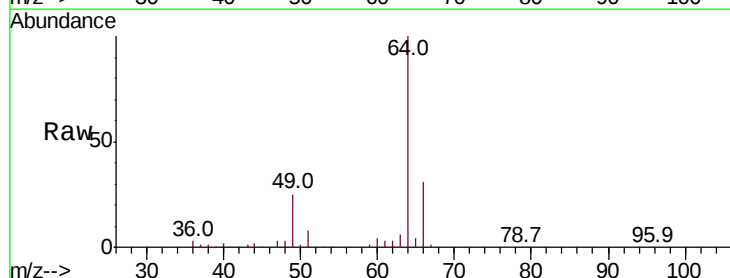
Acq: 19 Jun 2019 10:26

Tgt Ion: 64 Resp: 228156

Ion Ratio Lower Upper

64 100

66 31.2 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

100000

80000

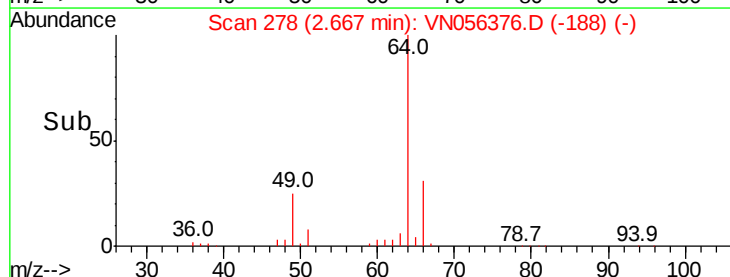
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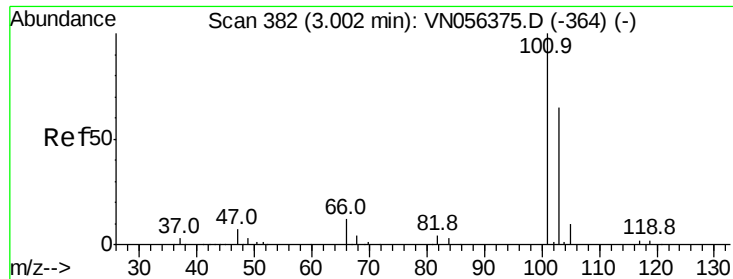
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20000

0

Time-->





#7

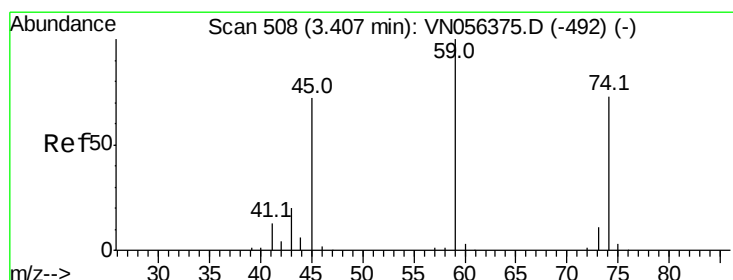
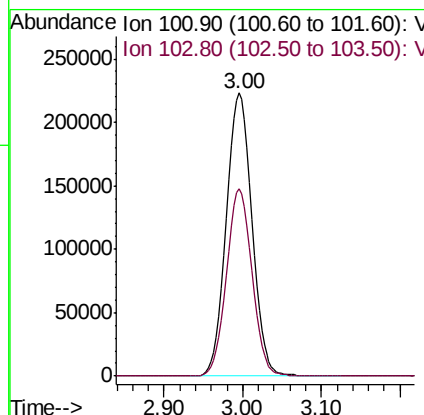
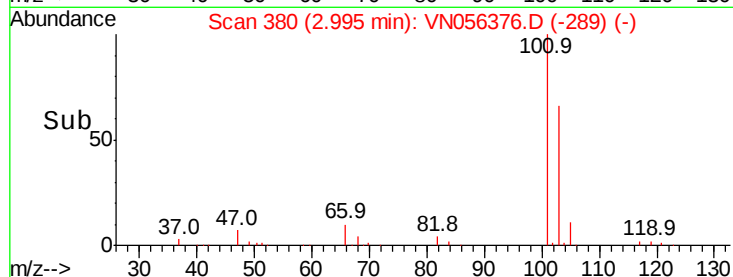
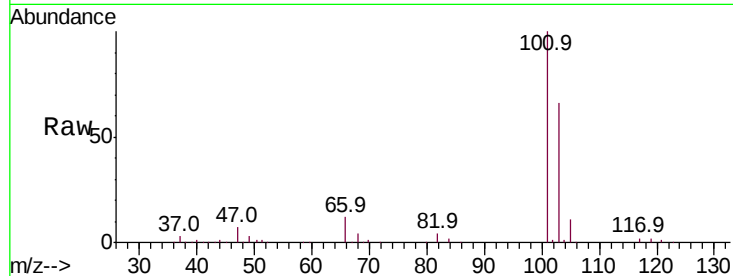
Trichlorofluoromethane
Concen: 95.239 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.01 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 502336
Ion Ratio Lower Upper
101 100
103 66.2 51.7 77.5

Manual Integrations
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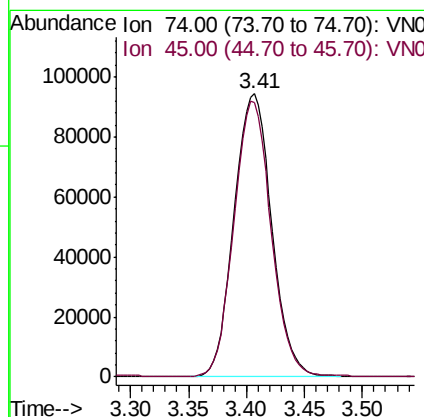
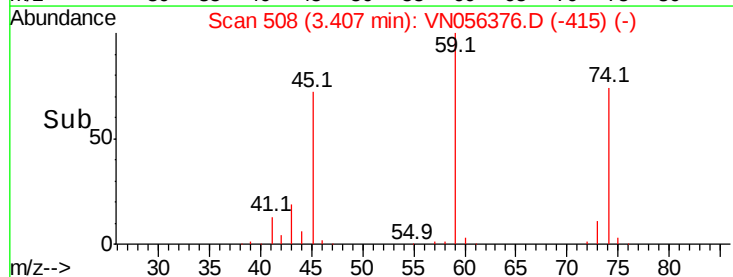
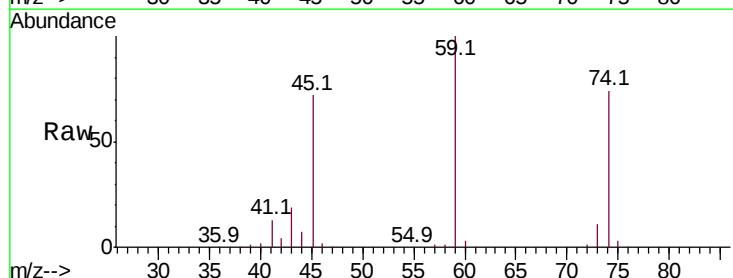
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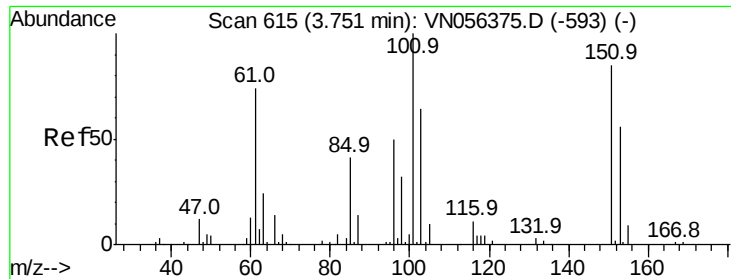


#8

Diethyl Ether
Concen: 100.763 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion: 74 Resp: 212889
Ion Ratio Lower Upper
74 100
45 95.5 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.484 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

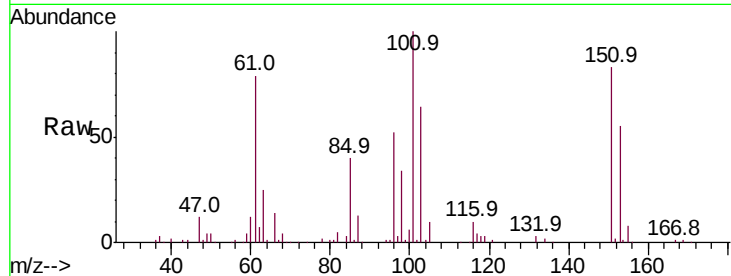
ClientSampleId :

VSTDIC100

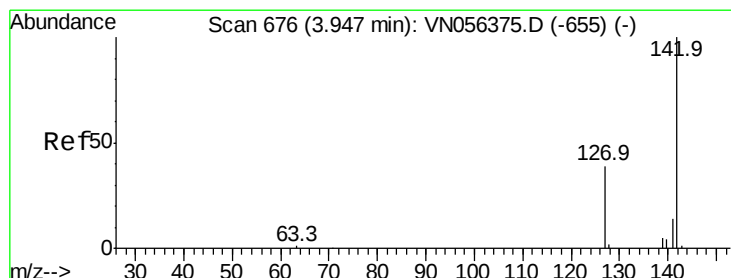
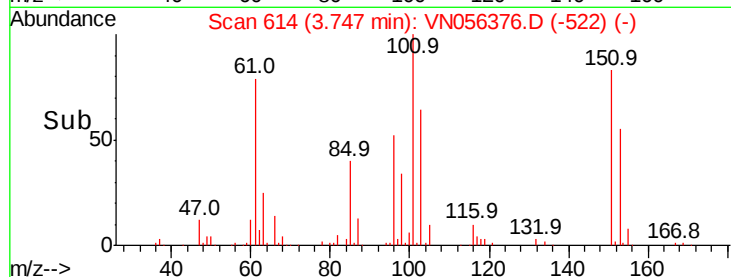
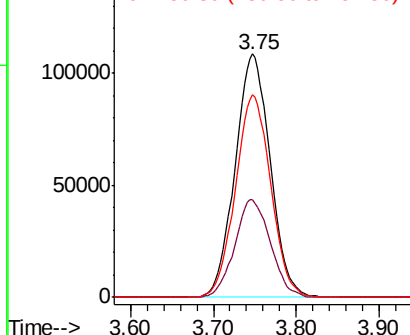
Tot Ion:	101	Resp:	319338
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.7	49.1
151	83.6	66.8	100.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 107.313 ug/l

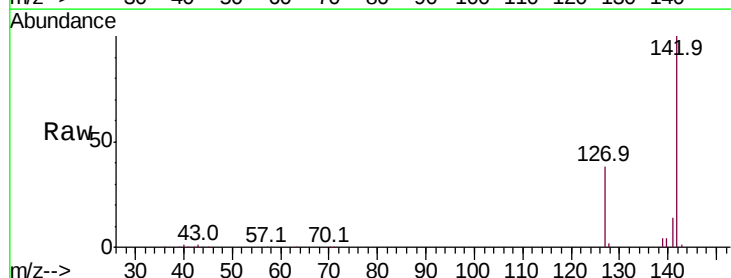
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

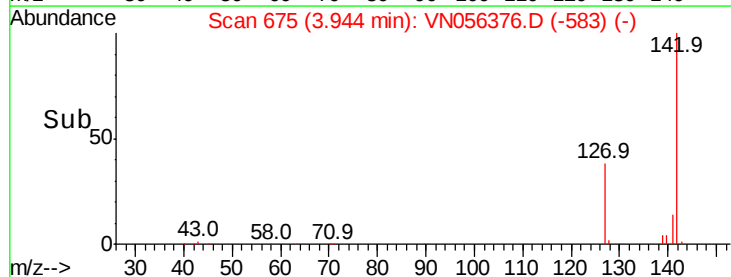
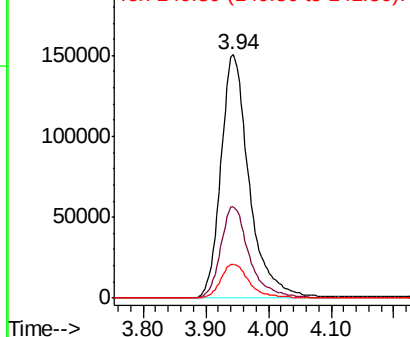
Lab File: VN056376.D

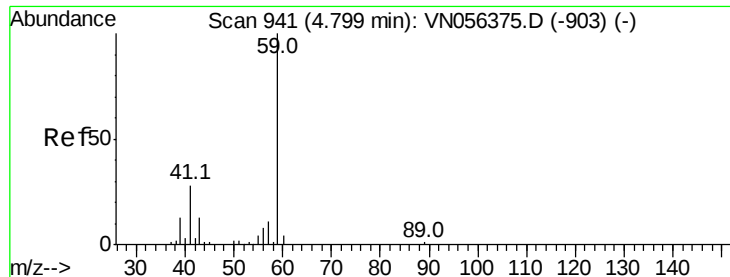
Acq: 19 Jun 2019 10:26

Tgt Ion:	142	Resp:	473420
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.6	46.0
141	14.1	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

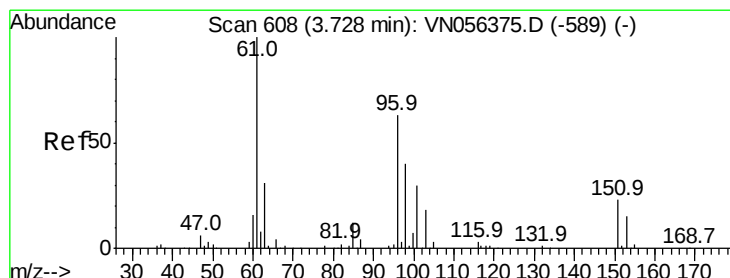
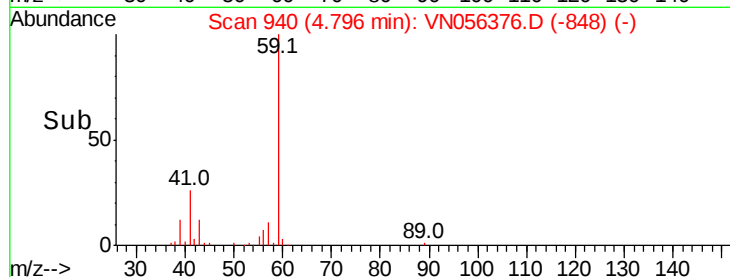
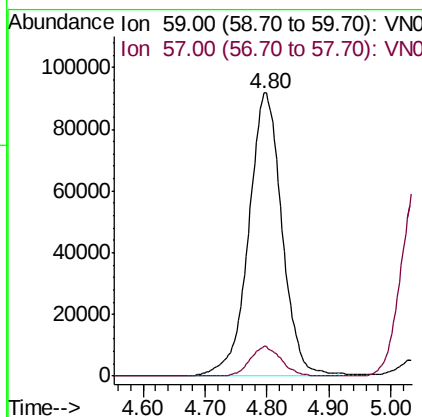
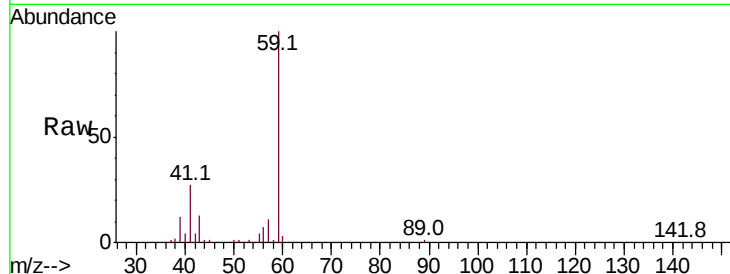
Tert butyl alcohol
Concen: 538.287 ug/l
RT: 4.80 min Scan# 940
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.6	11.4

Manual Integrations
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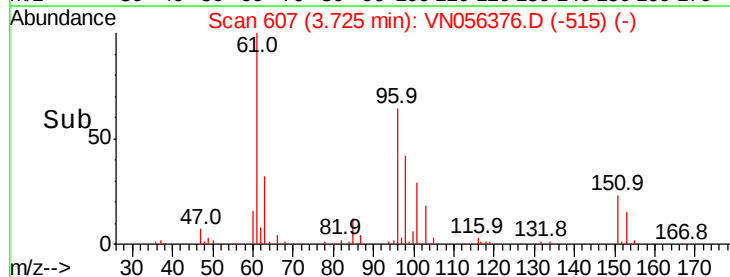
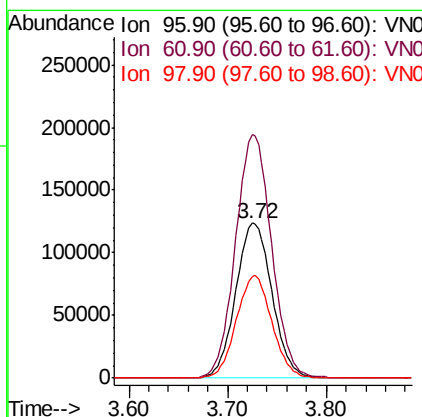
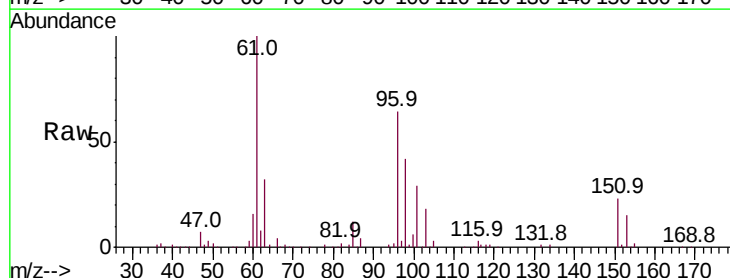
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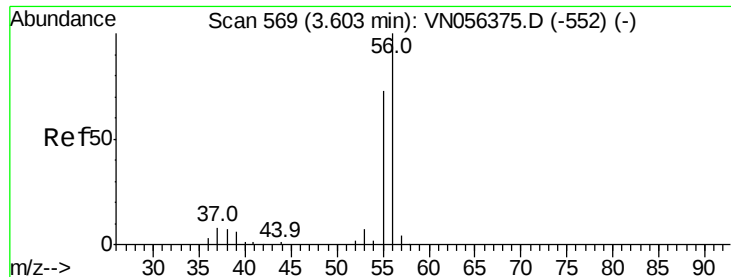


#12

1,1-Dichloroethene
Concen: 95.332 ug/l
RT: 3.72 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	126.6	190.0
98	65.8	51.1	76.7





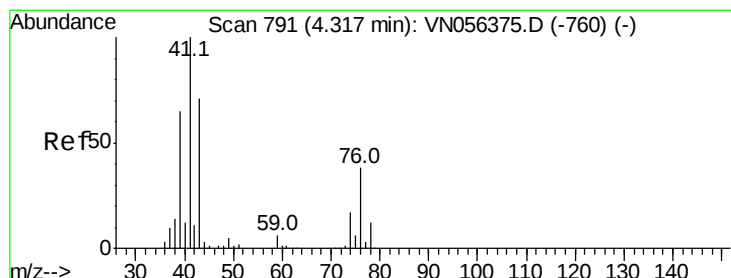
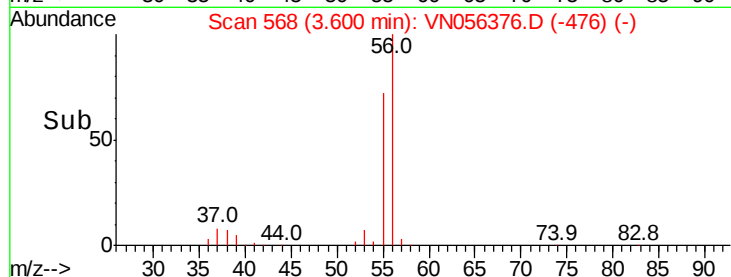
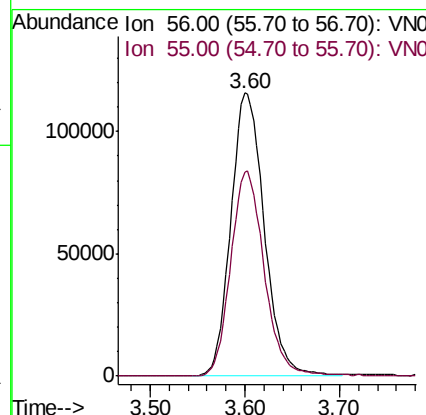
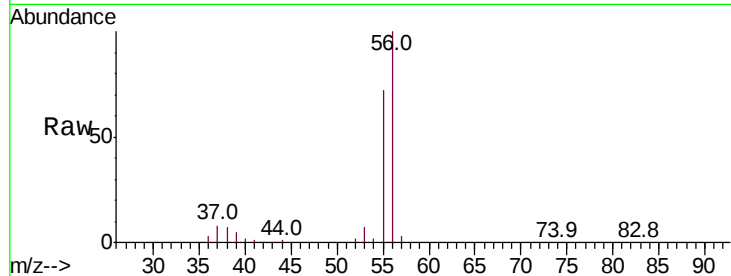
#13
Acrolein
Concen: 1154.918 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	56	Ratio	Lower	Upper
56	100			
55	72.4	57.1	85.7	

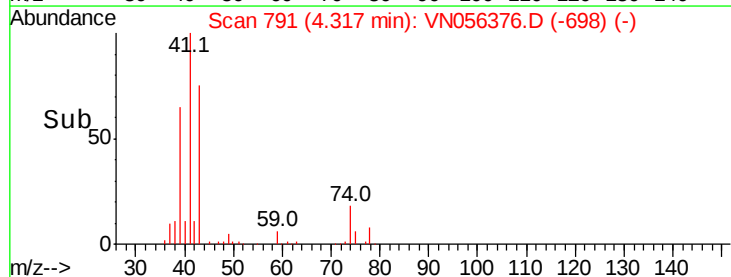
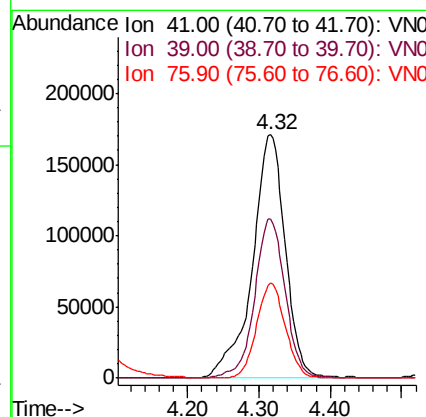
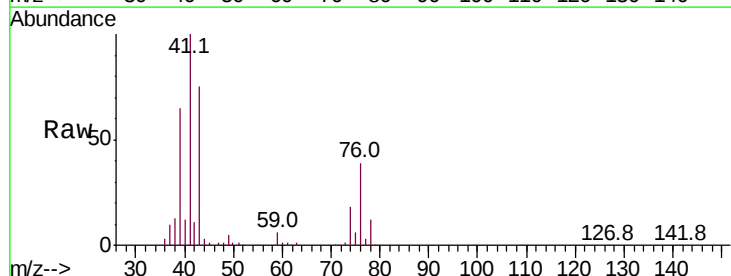
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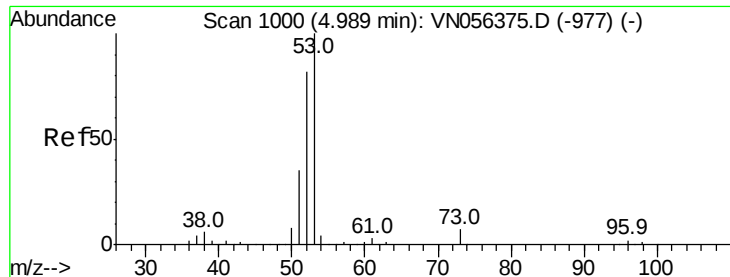
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#14
Allyl chloride
Concen: 98.948 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	41	Ratio	Lower	Upper
41	100			
39	60.8	48.6	73.0	
76	33.8	26.6	40.0	





#15

Acrylonitrile

Concen: 522.768 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

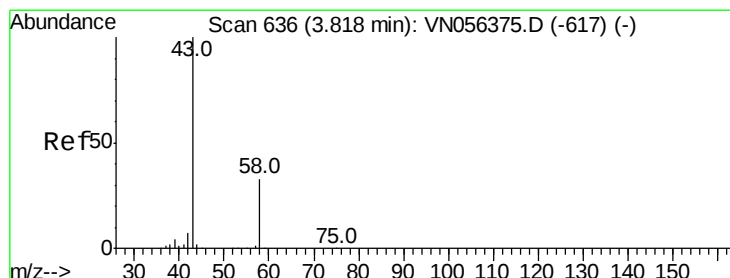
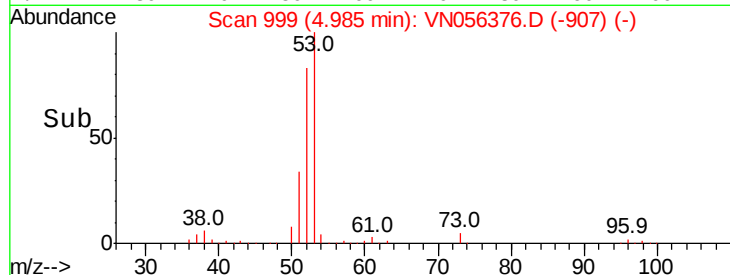
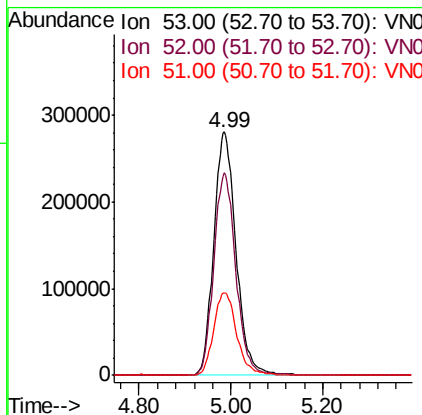
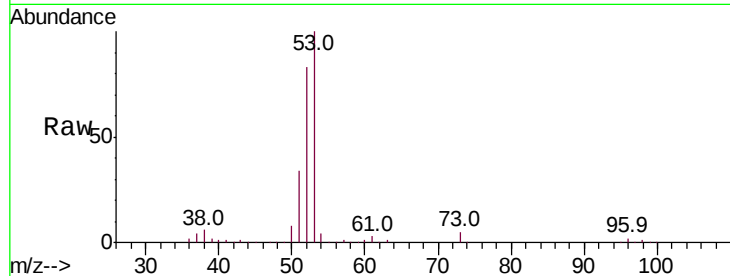
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	946886
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.9	98.9
51	35.2	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 444.006 ug/l

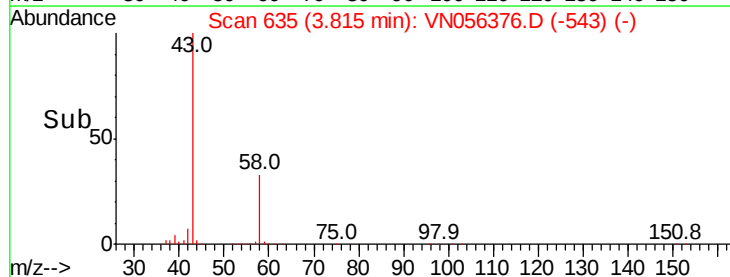
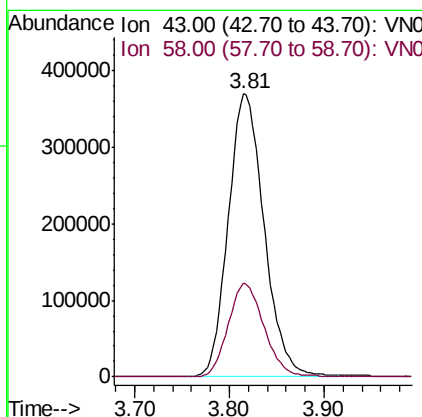
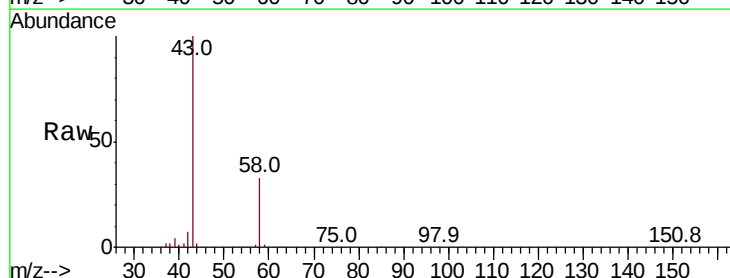
RT: 3.81 min Scan# 635

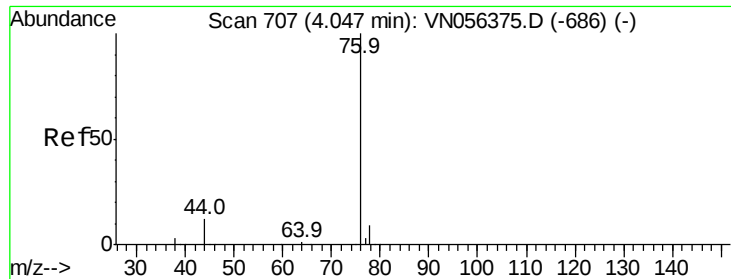
Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Tgt Ion:	43	Resp:	968275
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.4	39.6





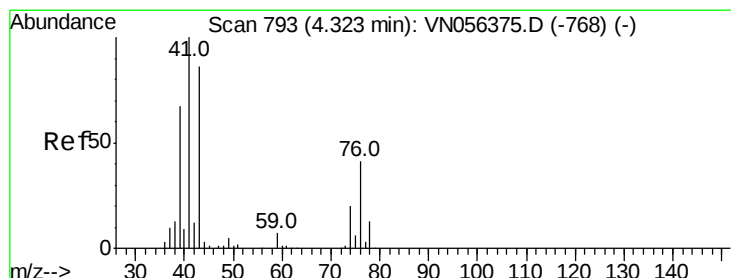
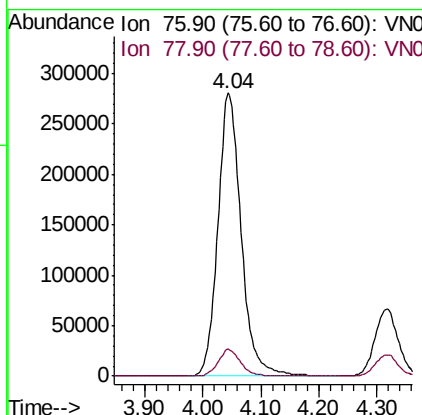
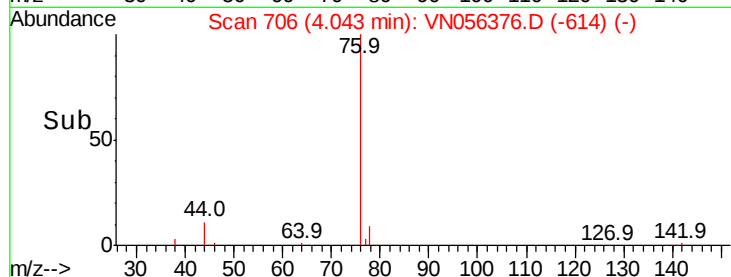
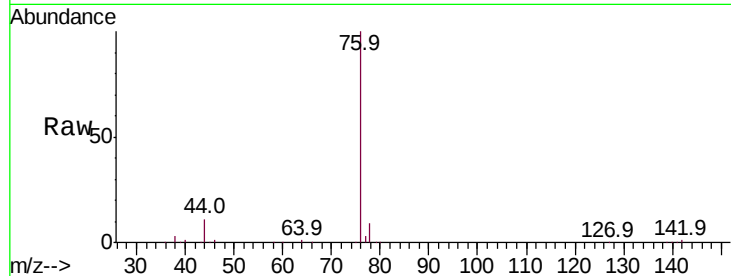
#17
Carbon Disulfide
Concen: 90.780 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 782960
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

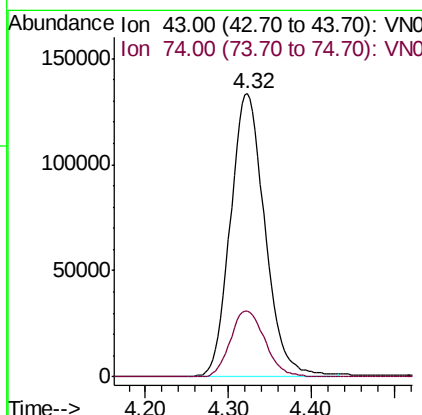
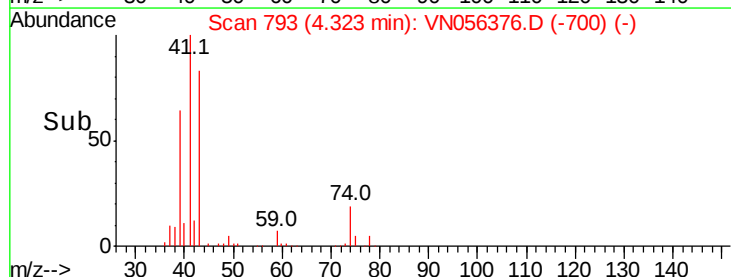
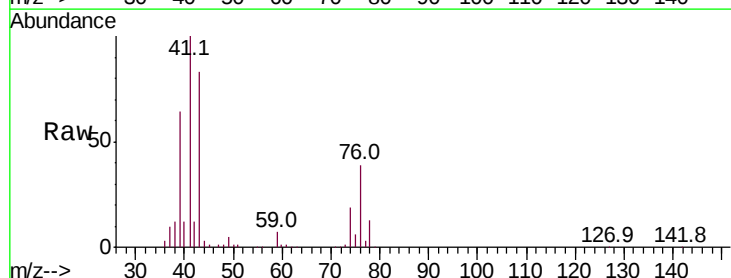
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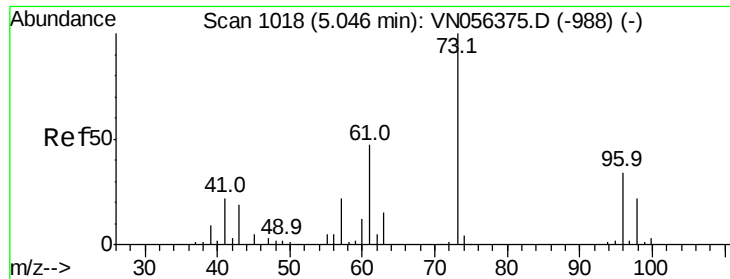
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#18
Methyl Acetate
Concen: 80.249 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion: 43 Resp: 383237
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8





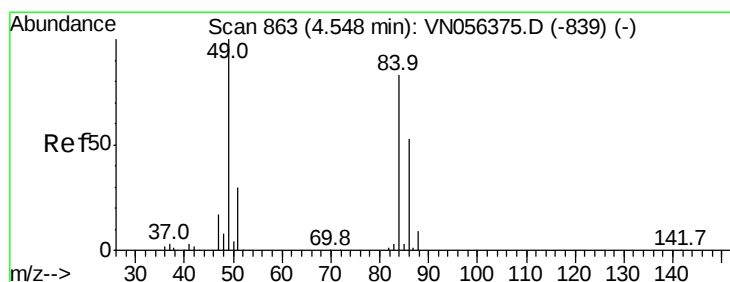
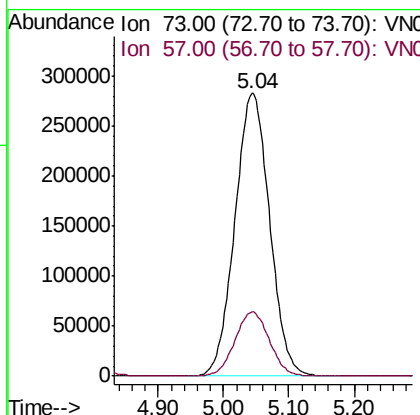
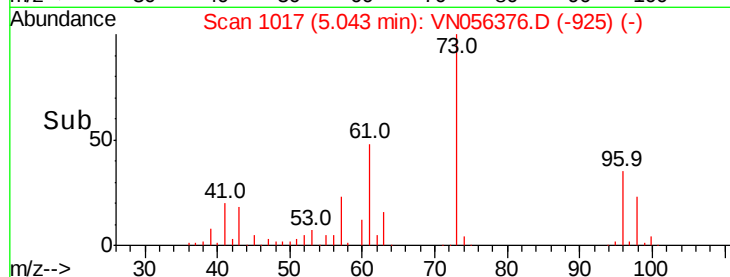
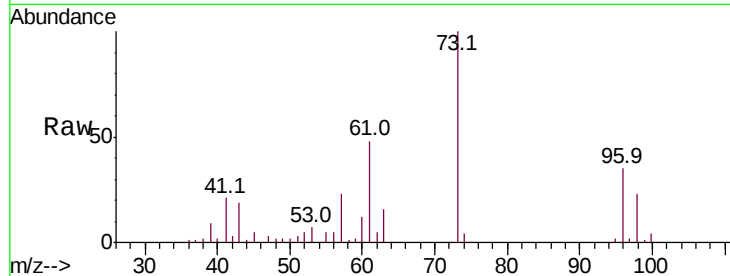
#19
Methvl tert-butvl Ether
Concen: 102.889 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1044381
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9

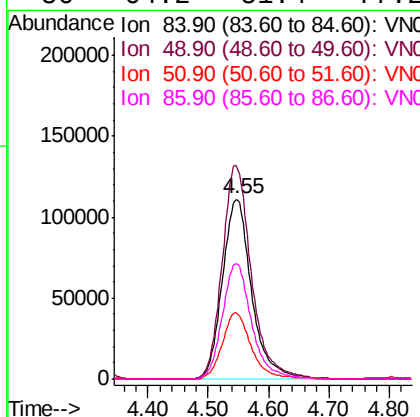
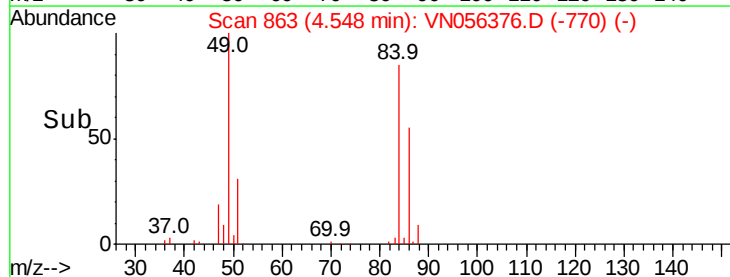
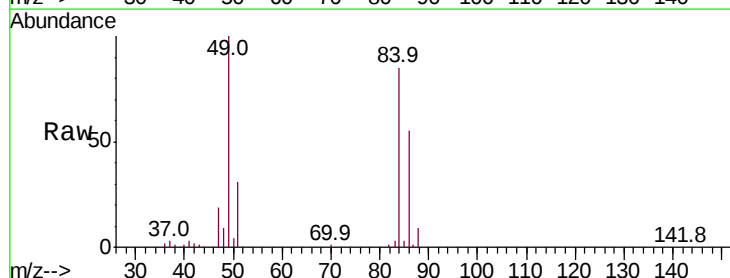
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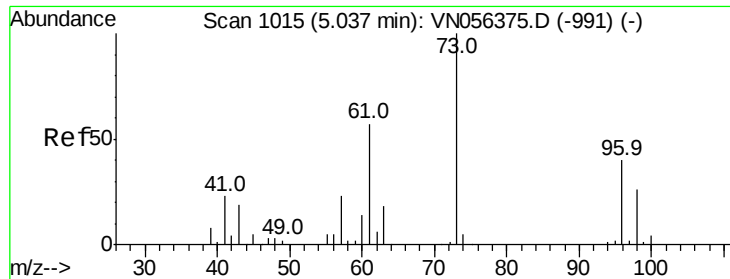
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#20
Methylene Chloride
Concen: 95.369 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion: 84 Resp: 374168
Ion Ratio Lower Upper
84 100
49 117.4 96.4 144.6
51 36.1 28.6 43.0
86 64.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 96.711 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 339635

Ion Ratio Lower Upper

96 100

61 137.6 113.0 169.6

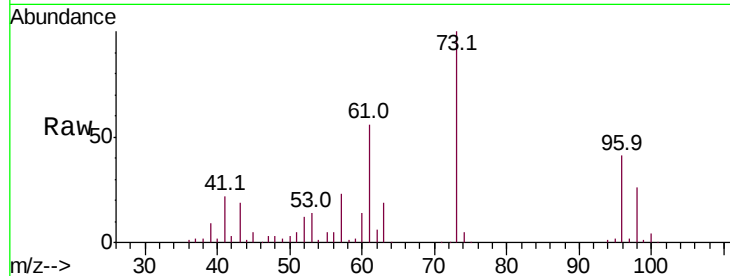
98 64.1 52.2 78.2

Manual Integrations

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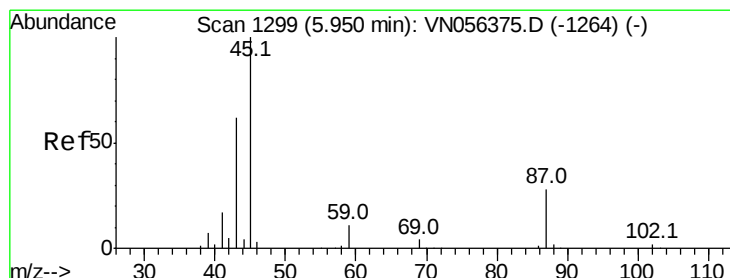
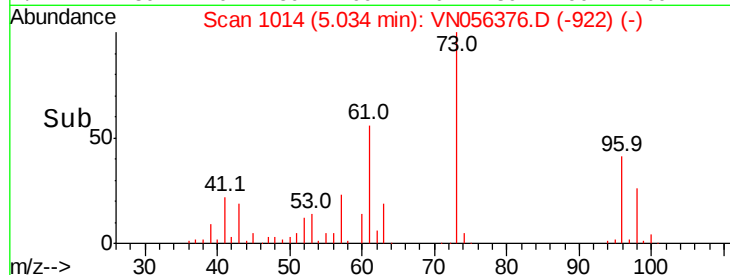
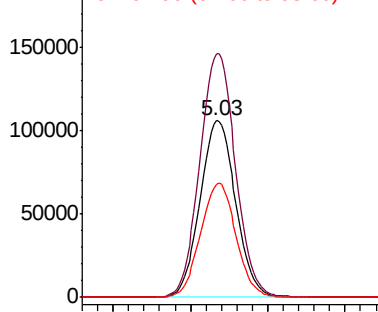


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 99.971 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Tgt Ion: 45 Resp: 1095526

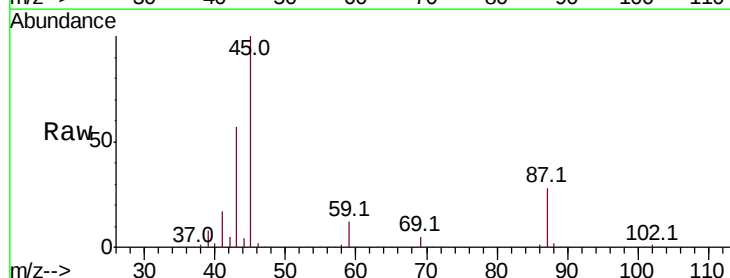
Ion Ratio Lower Upper

45 100

43 56.6 50.4 75.6

87 28.1 23.0 34.4

59 11.8 9.1 13.7



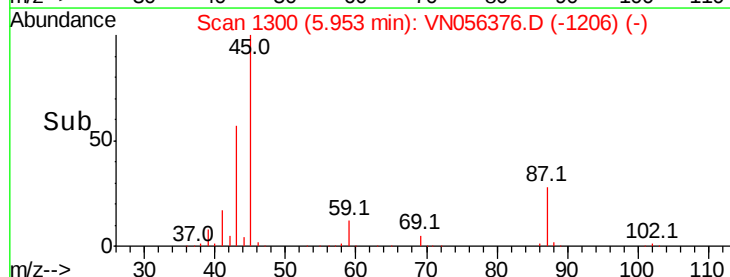
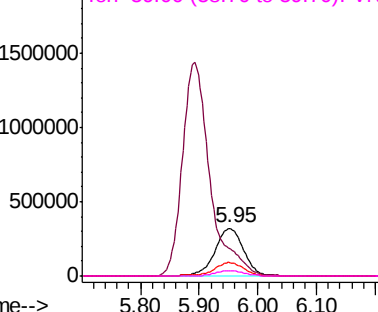
Abundance

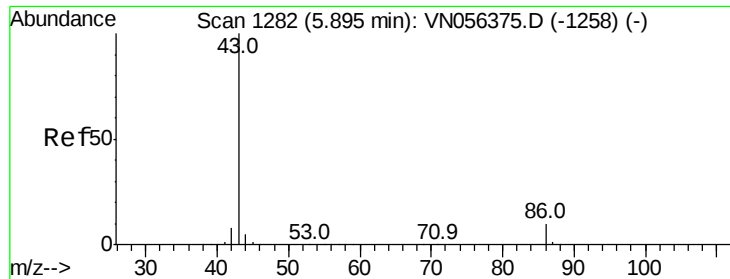
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





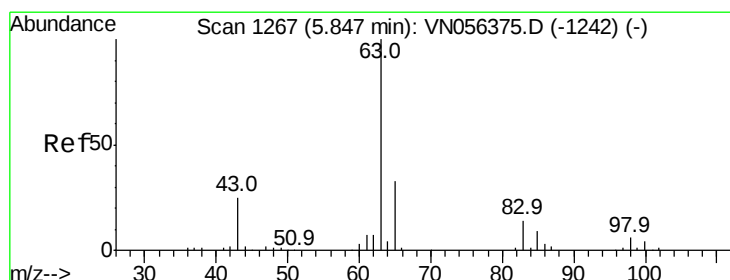
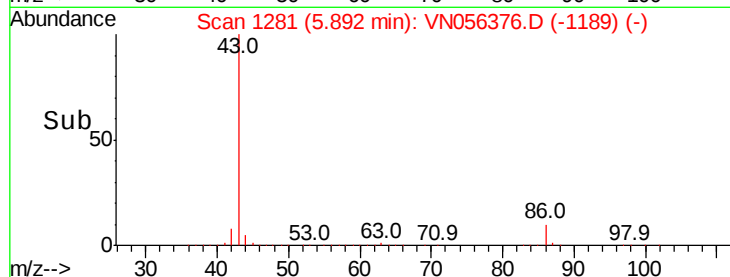
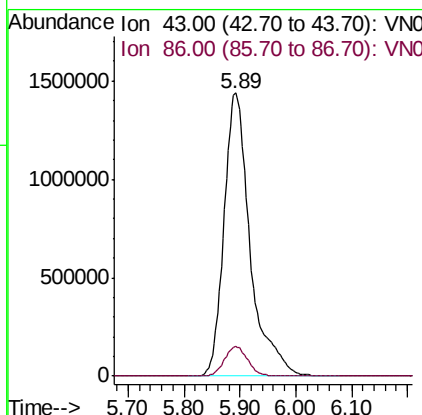
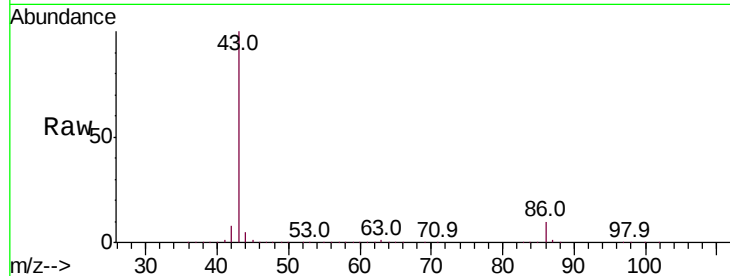
#23
 Vinyl Acetate
 Concen: 527.942 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 4697483
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5

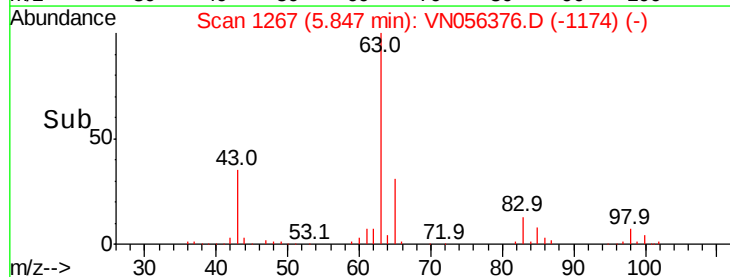
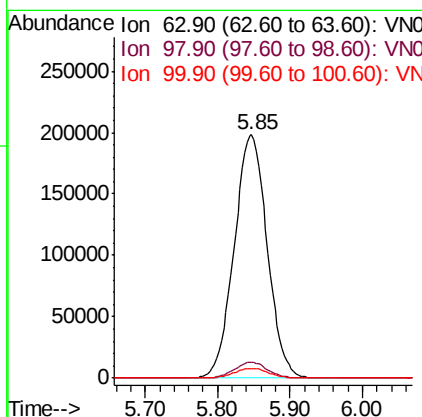
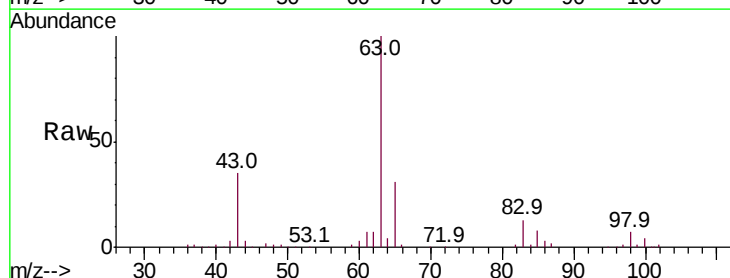
Manual Integrations
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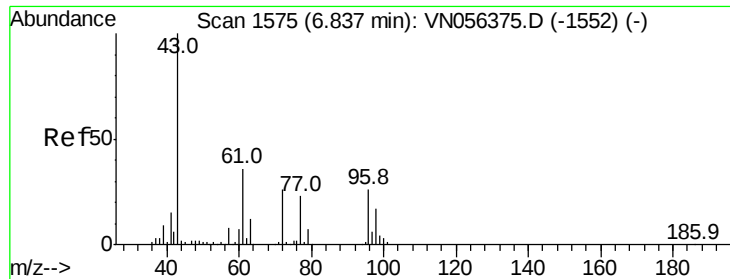
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 97.841 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Tgt Ion: 63 Resp: 626597
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.2 9.6
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 505.232 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1354194

Ion Ratio Lower Upper

43 100

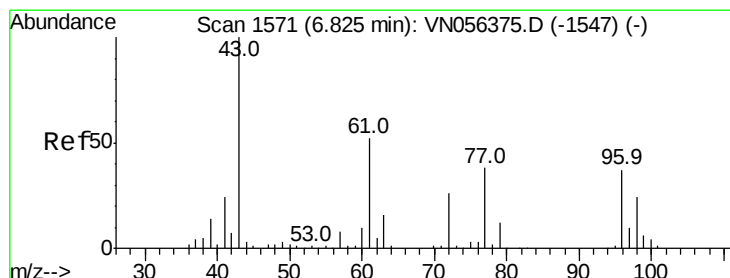
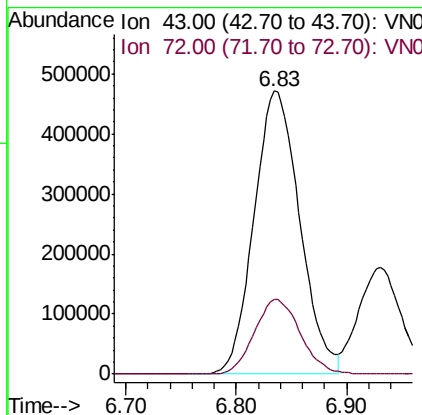
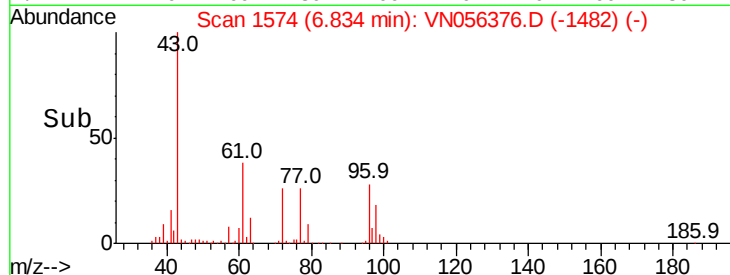
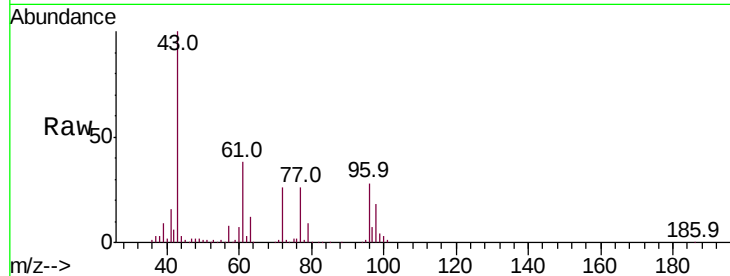
72 26.4 20.6 31.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 97.678 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056376.D

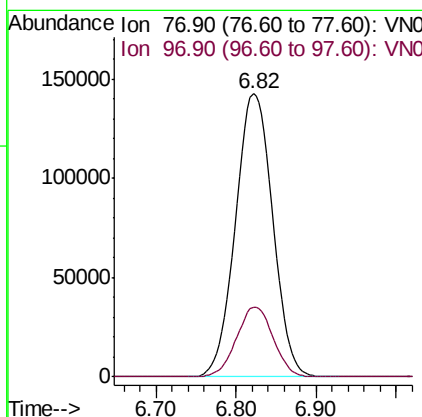
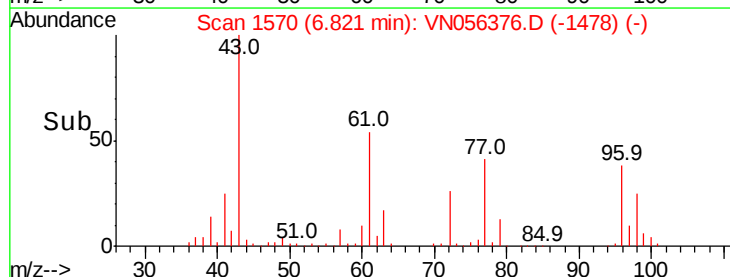
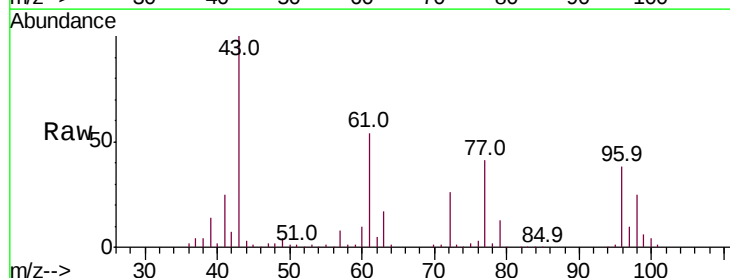
Acq: 19 Jun 2019 10:26

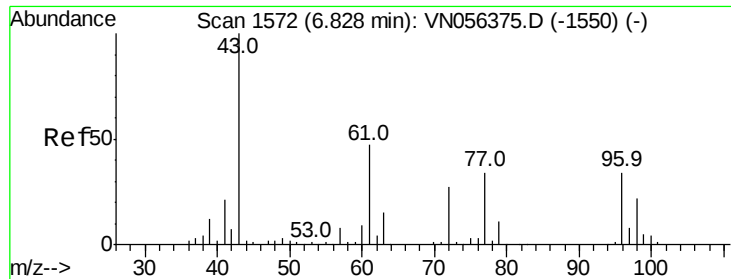
Tgt Ion: 77 Resp: 451106

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 98.247 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

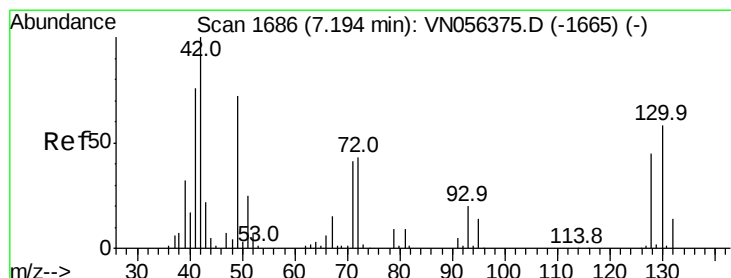
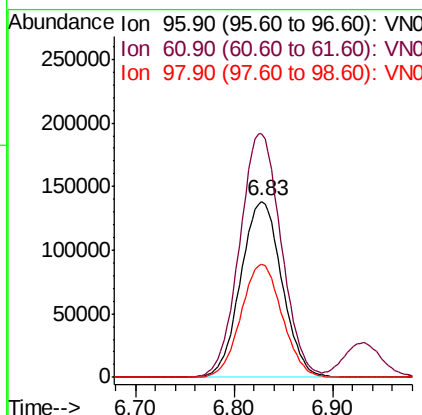
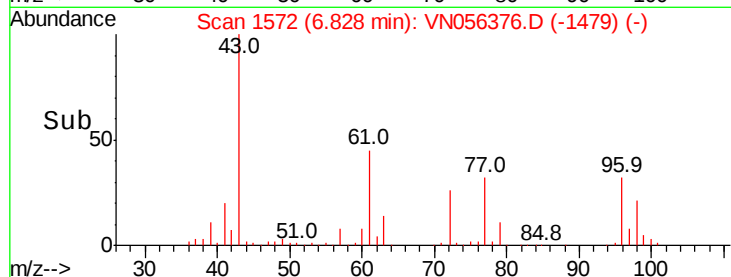
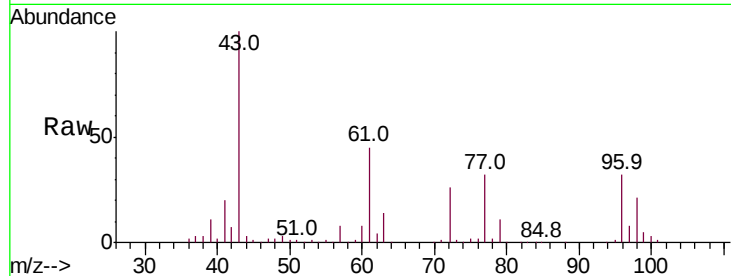
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	400955
Ion Ratio	Lower	Upper	
96	100		
61	139.7	0.0	279.8
98	64.2	0.0	130.0

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#28

Bromochloromethane

Concen: 95.821 ug/l

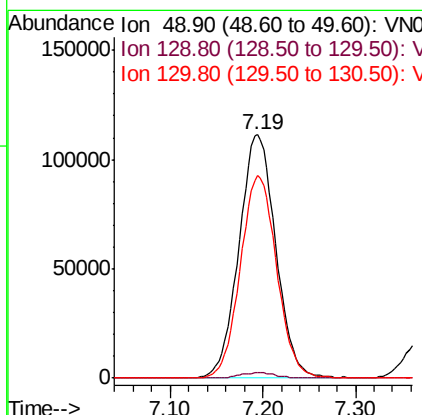
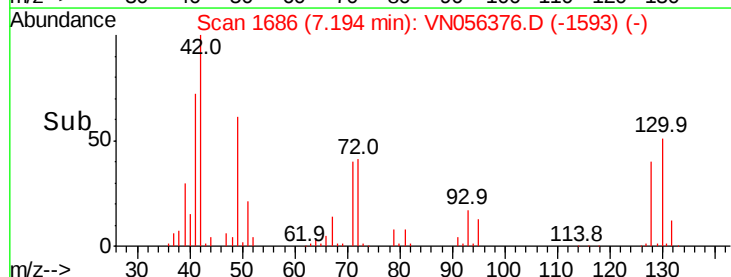
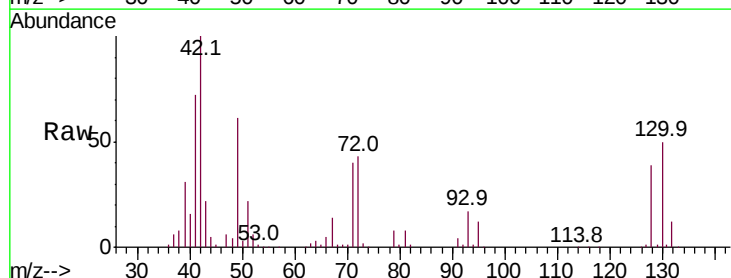
RT: 7.19 min Scan# 1686

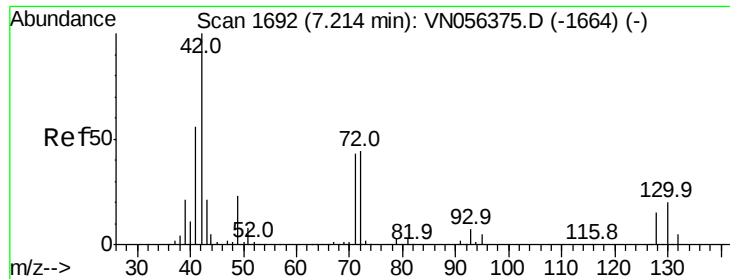
Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Tgt Ion:	49	Resp:	307175
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	82.3	64.9	97.3





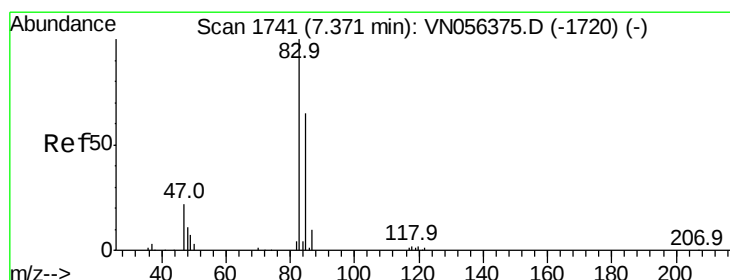
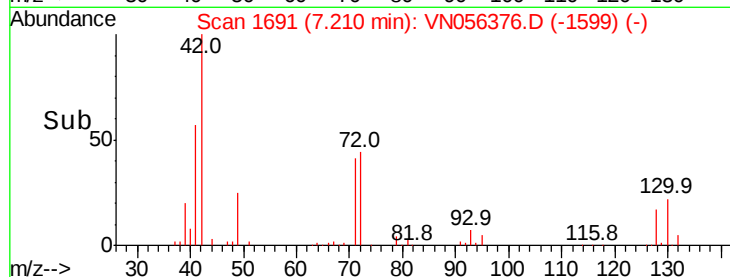
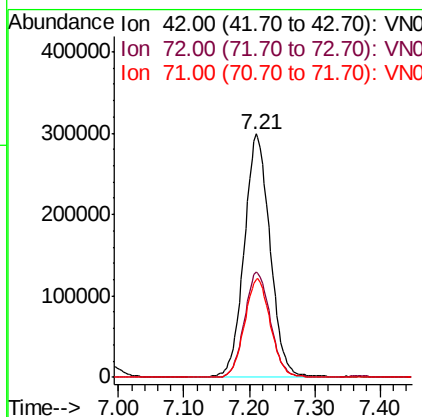
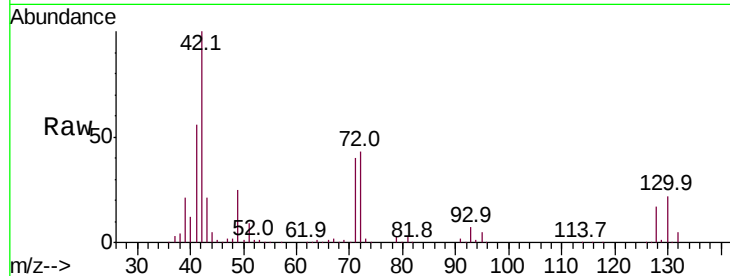
#29
Tetrahydrofuran
Concen: 513.932 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.7	52.1
71	40.7	33.0	49.6

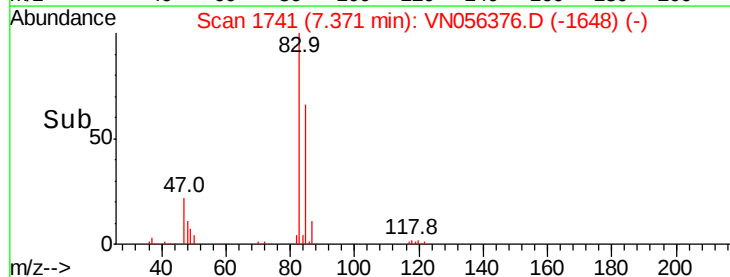
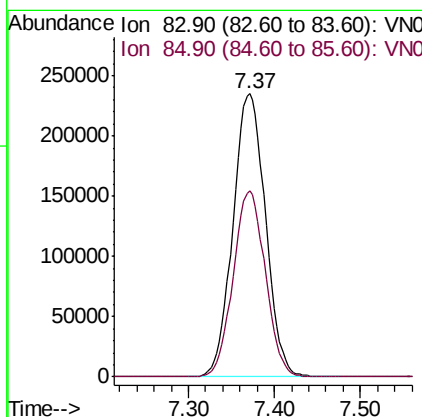
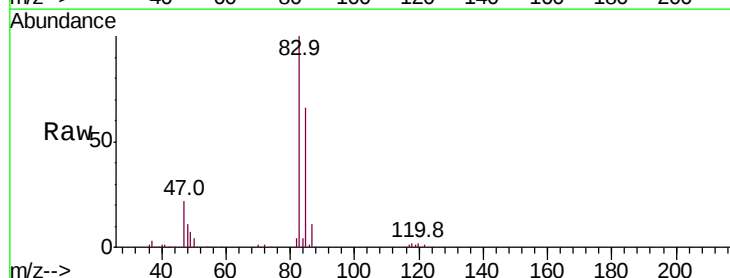
Manual Integrations
APPROVED

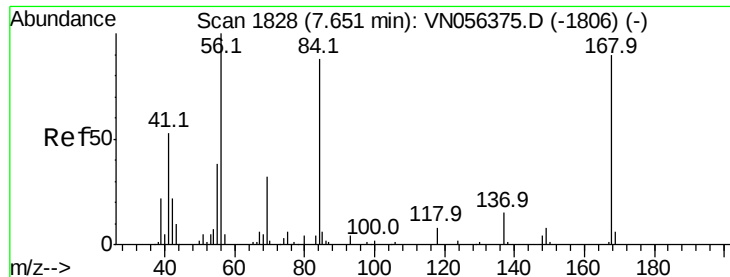
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#30
Chloroform
Concen: 96.948 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5





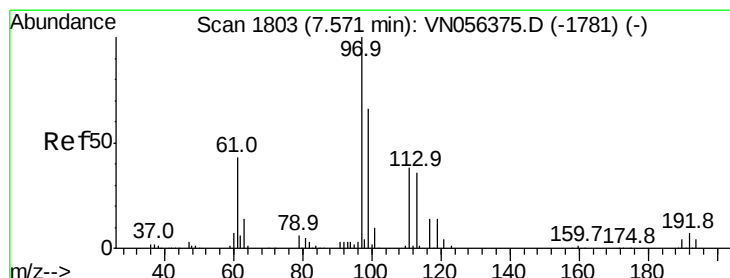
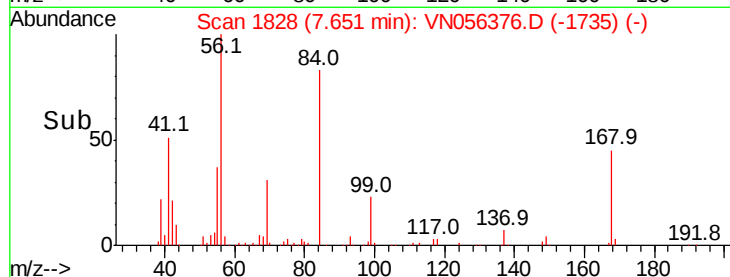
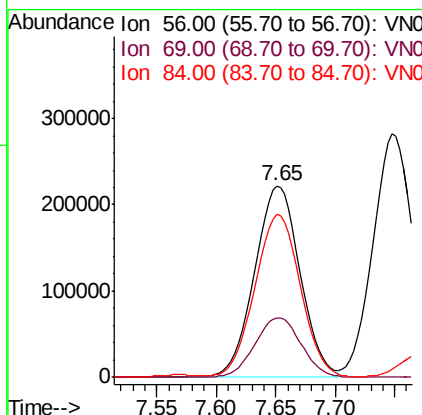
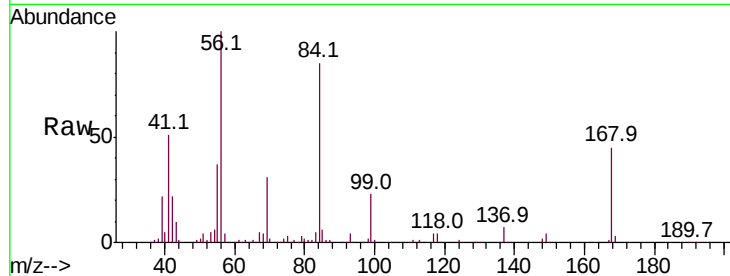
#31
Cyclohexane
Concen: 94.966 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.8	38.6
84	84.1	69.4	104.0

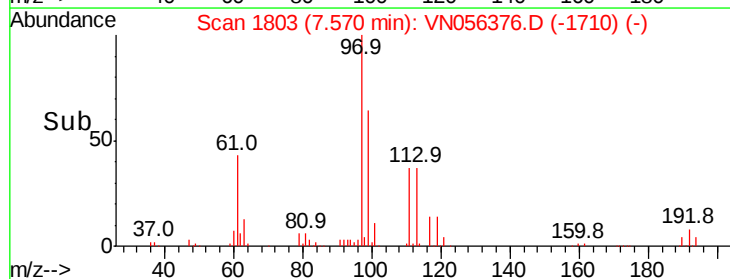
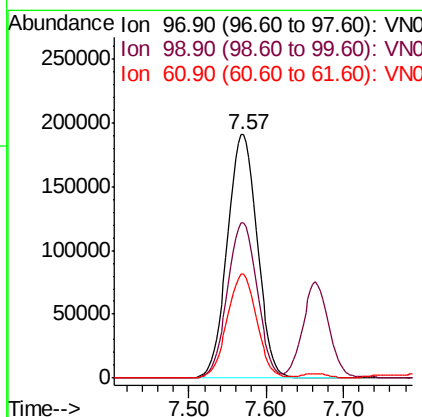
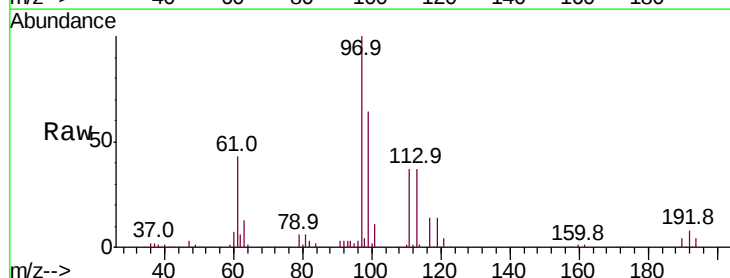
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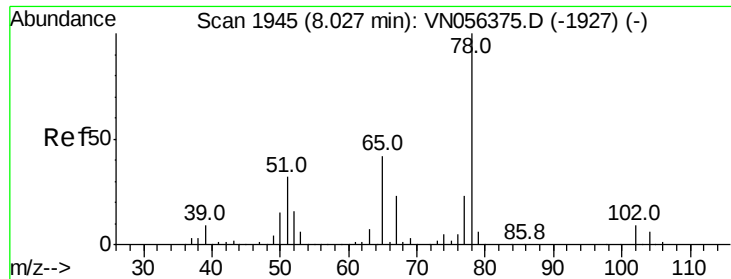
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#32
1,1,1-Trichloroethane
Concen: 97.086 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	42.2	33.9	50.9





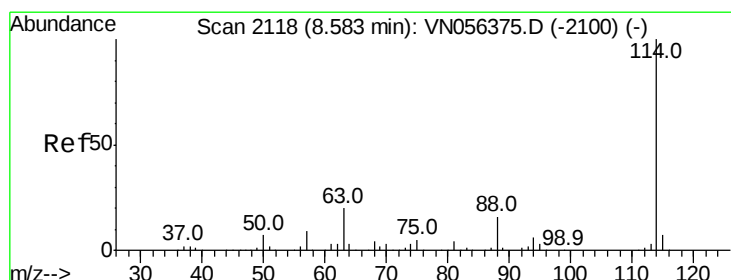
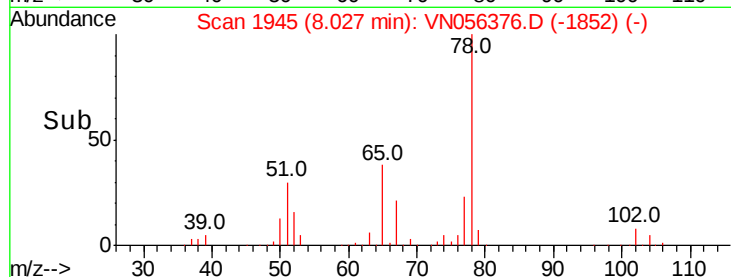
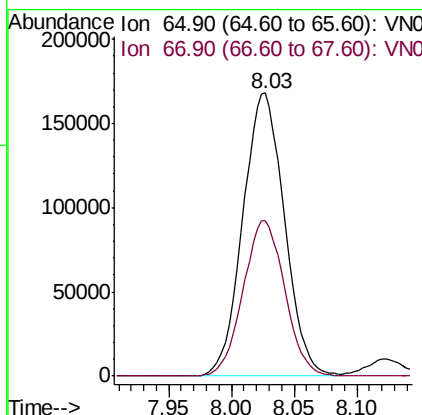
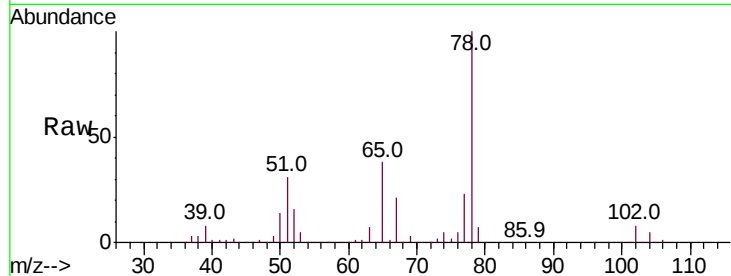
#33
 1,2-Dichloroethane-d4
 Concen: 96.280 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	388830		
67	55.0	0.0	109.0	

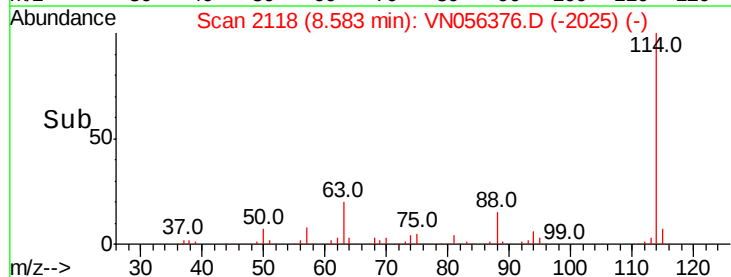
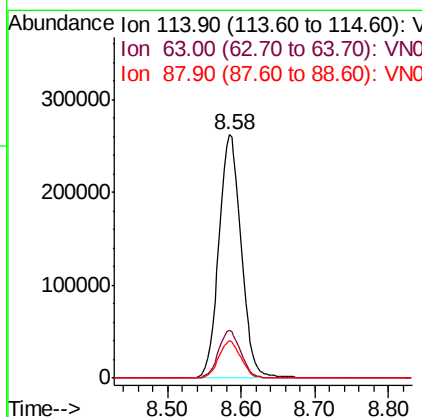
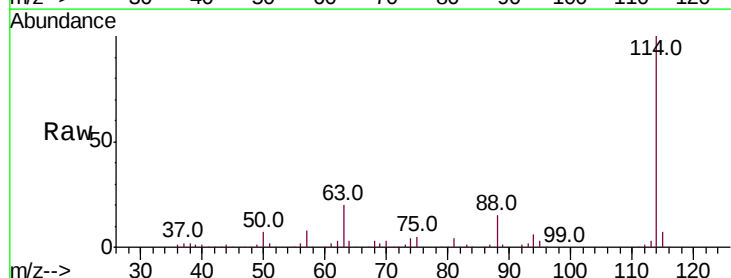
Manual Integrations
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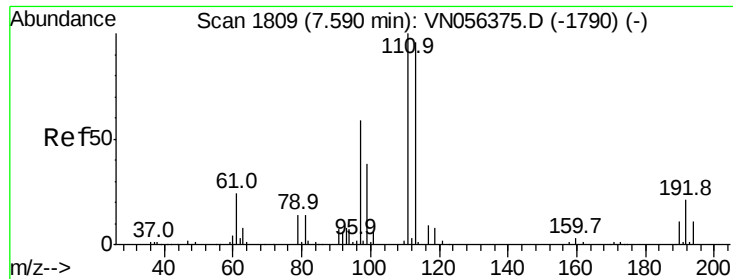
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	551865		
63	19.5	0.0	39.2	
88	15.3	0.0	31.4	





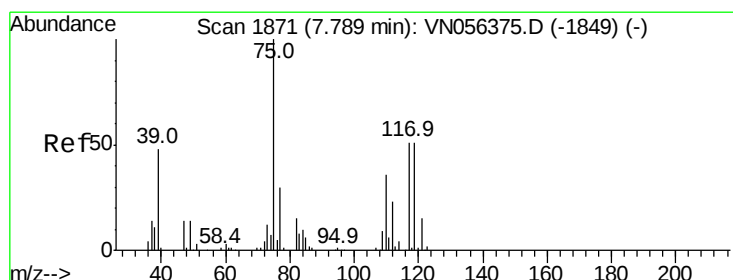
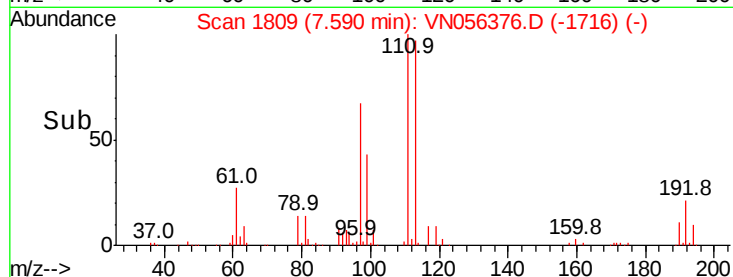
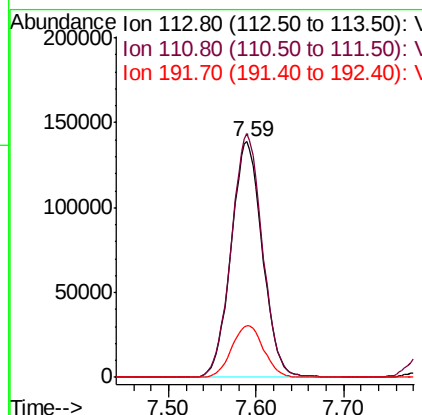
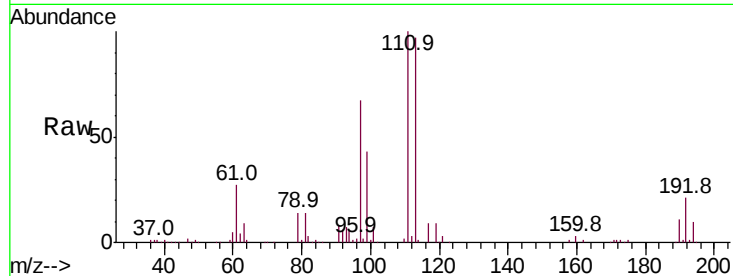
#35
 Dibromofluoromethane
 Concen: 98.139 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	344663		
111	103.1	82.9	124.3	
192	22.4	17.7	26.5	

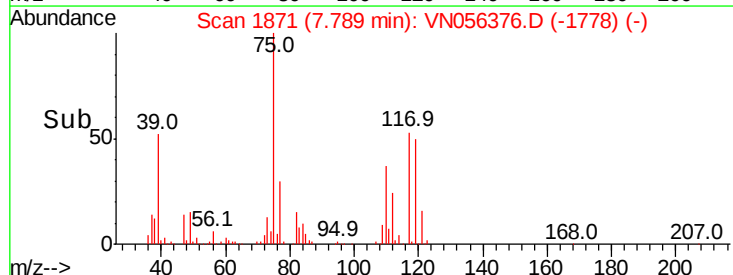
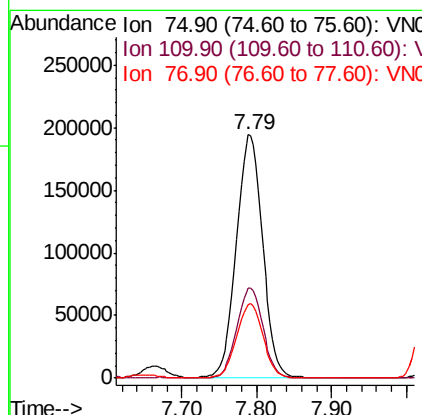
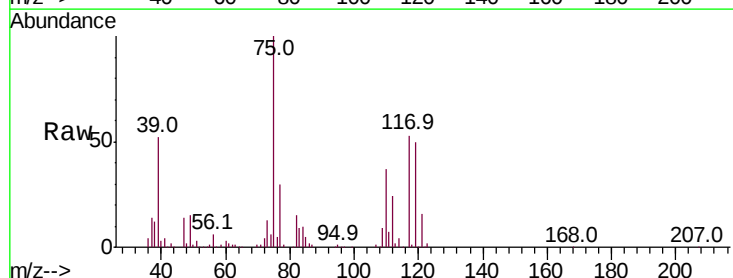
Manual Integrations
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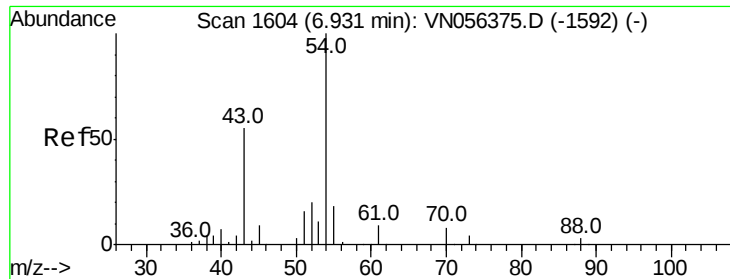
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#36
 1,1-Dichloropropene
 Concen: 96.633 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	475541		
110	36.9	18.1	54.3	
77	30.9	24.6	36.8	





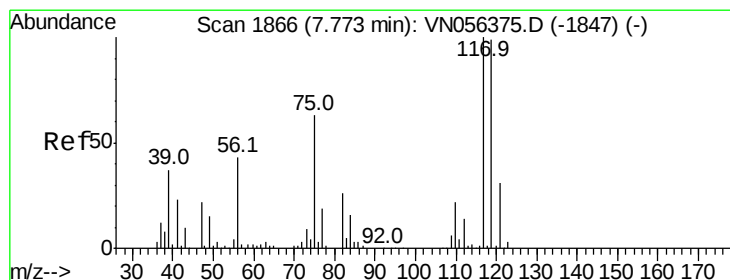
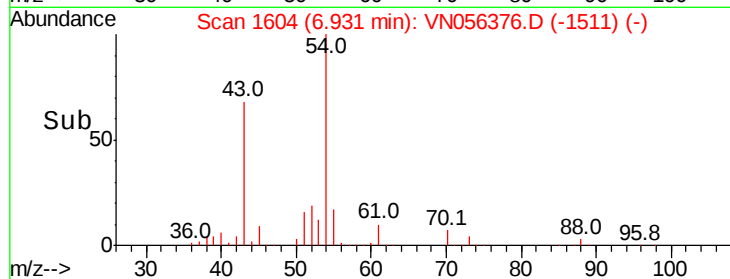
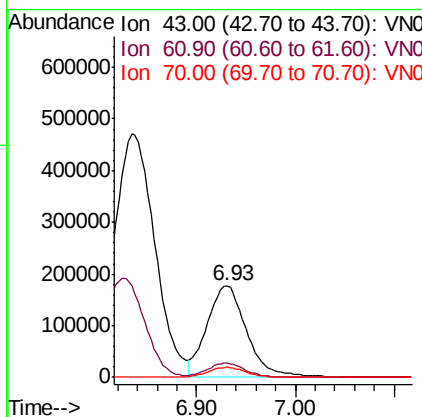
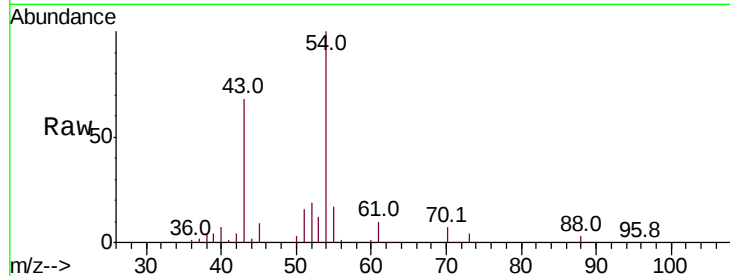
#37
Ethyl Acetate
Concen: 104.617 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.1	16.7
70	10.8	8.3	12.5

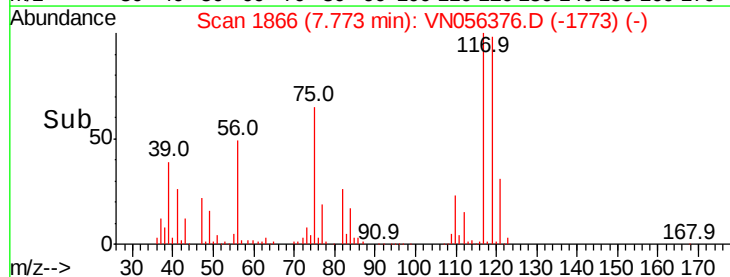
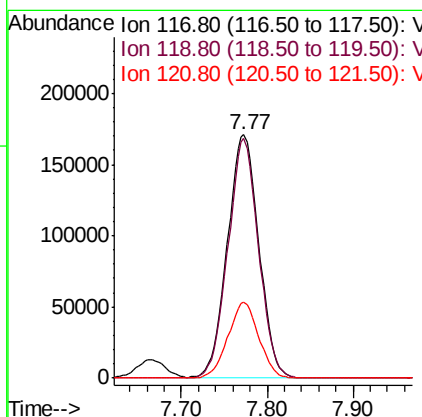
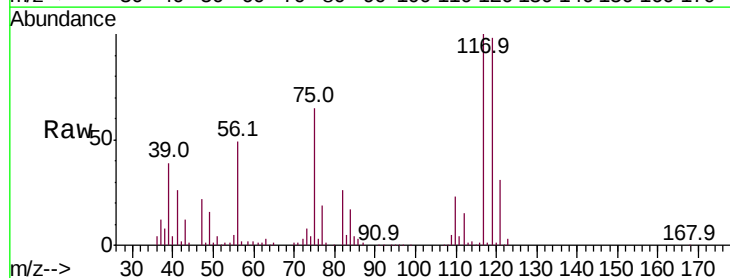
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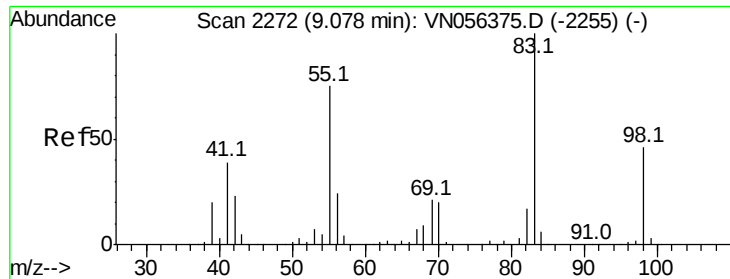
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#38
Carbon Tetrachloride
Concen: 93.106 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	79.1	118.7
121	31.1	24.8	37.2





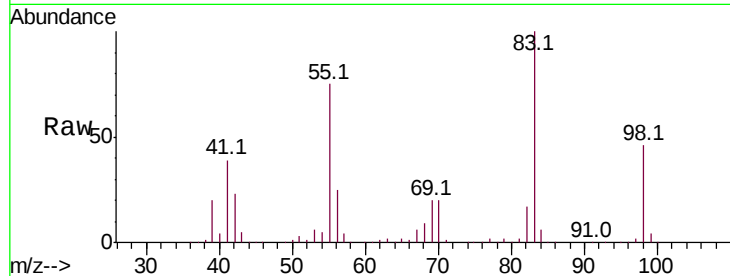
#39
Methvlcvclohexane
Concen: 99.793 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

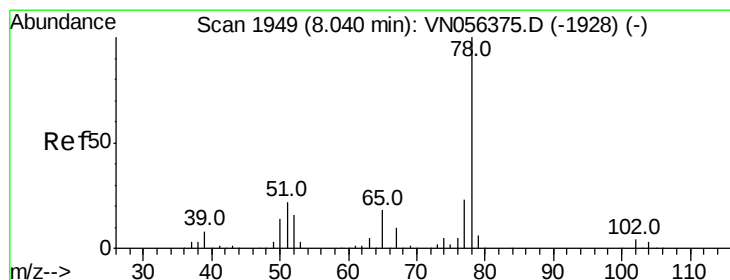
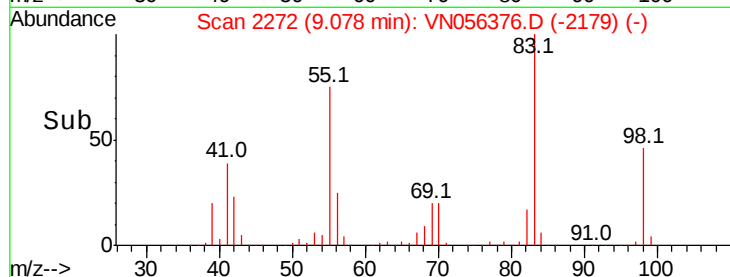
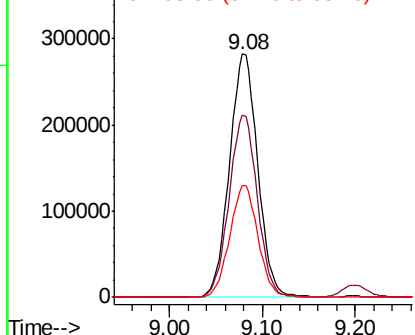
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	60.0	90.0
98	45.7	36.6	54.8

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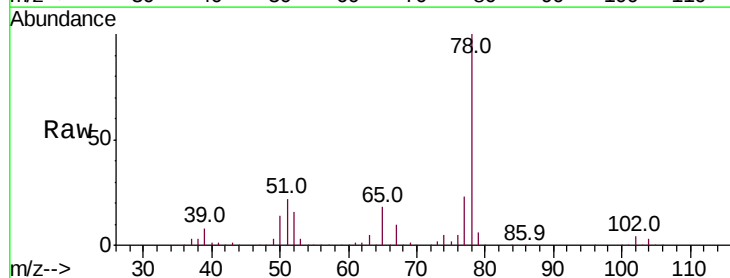


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

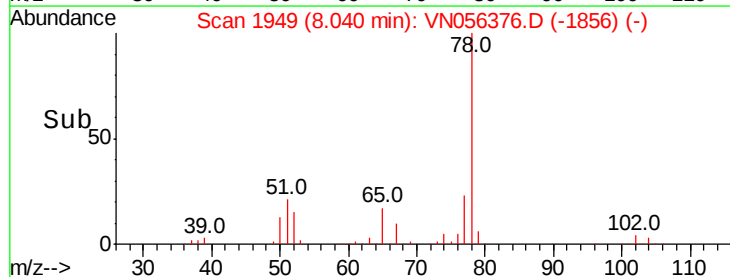
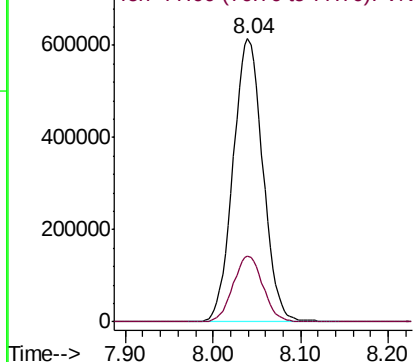


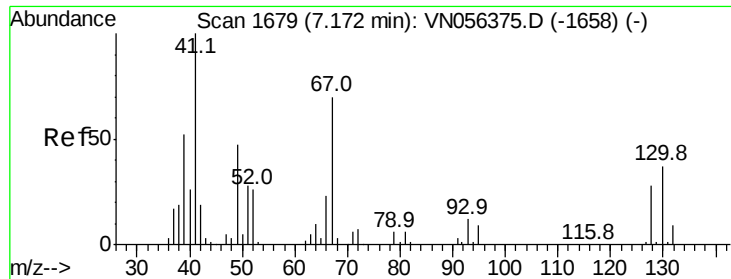
#40
Benzene
Concen: 97.385 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





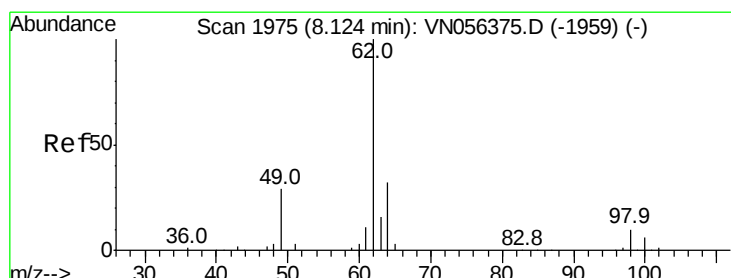
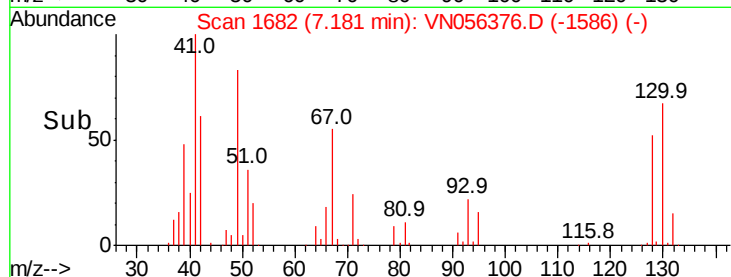
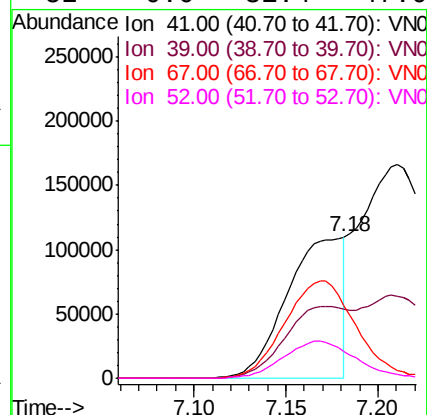
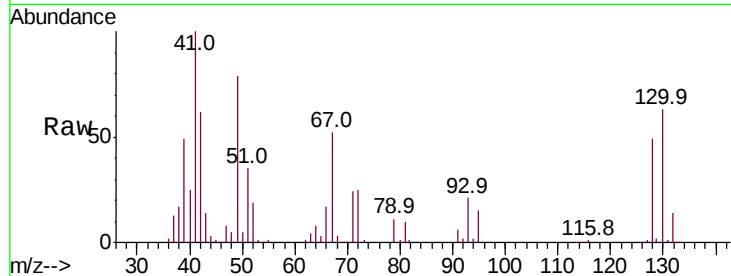
#41
Methacrylonitrile
Concen: 112.355 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot 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#

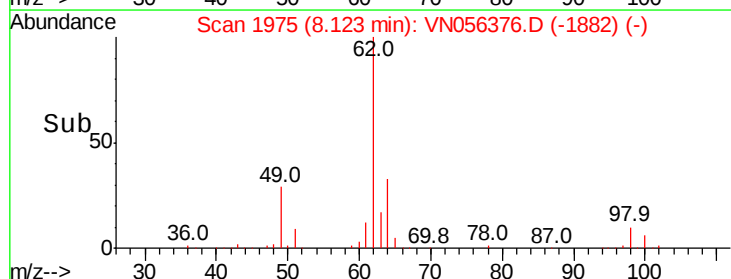
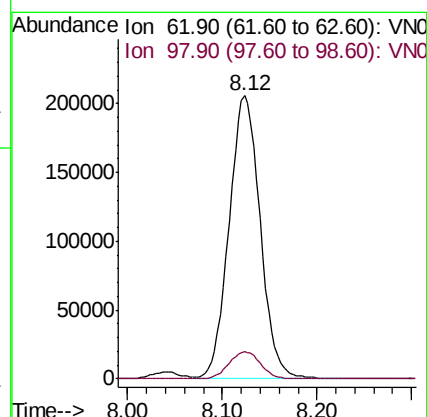
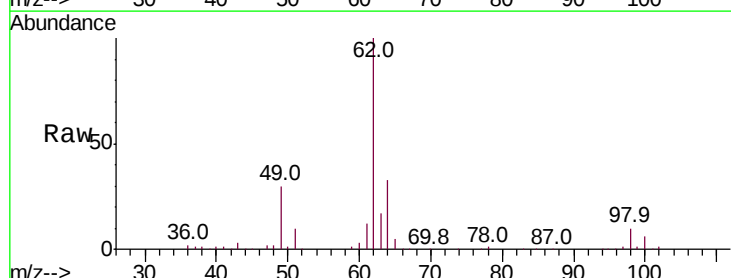
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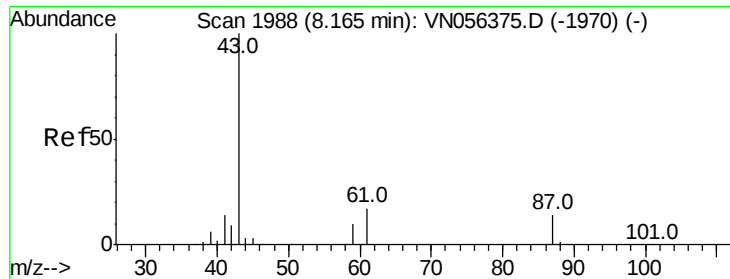
MMDadoda
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#42
1,2-Dichloroethane
Concen: 95.933 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 104.624 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

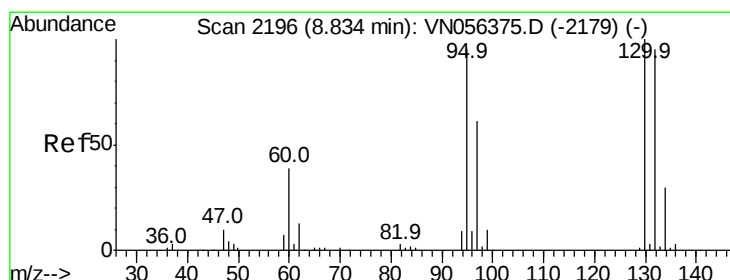
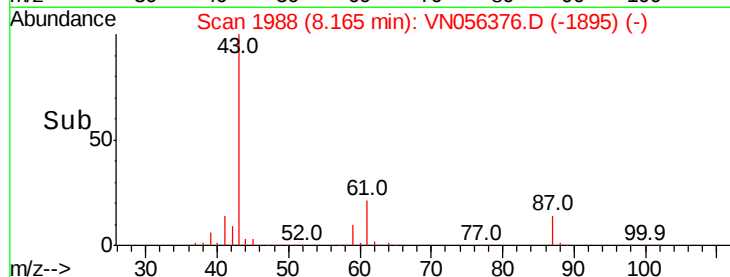
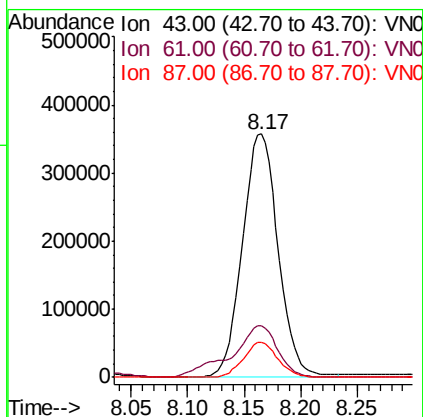
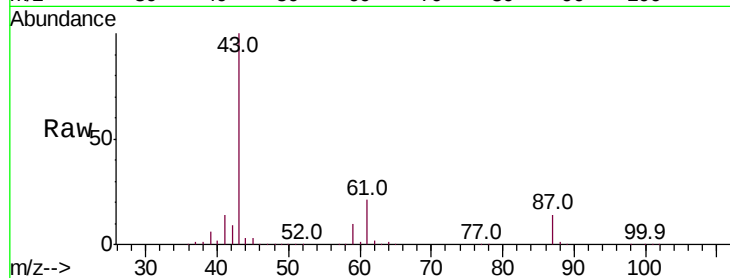
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	782946
Ion	Ratio	Lower	Upper
43	100		
61	27.2	22.0	33.0
87	13.9	11.0	16.4

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#44

Trichloroethene

Concen: 97.172 ug/l

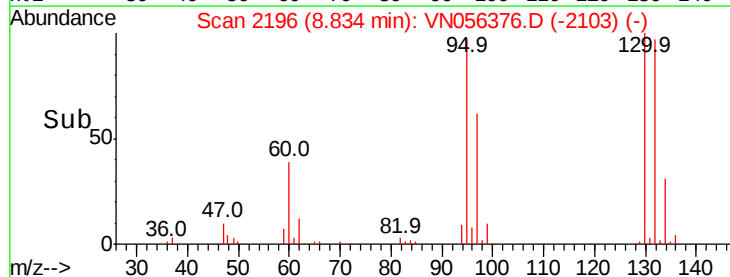
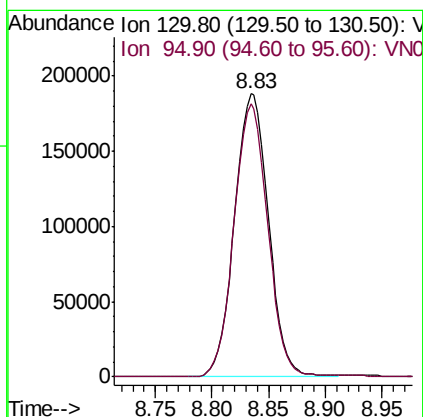
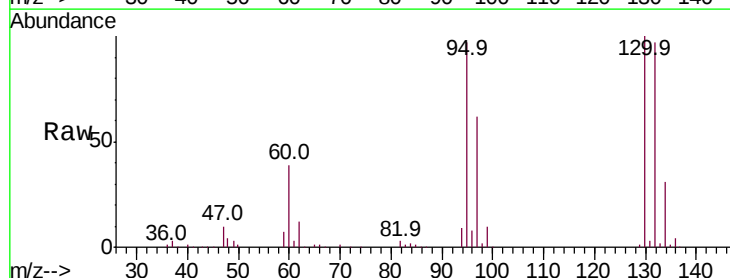
RT: 8.83 min Scan# 2196

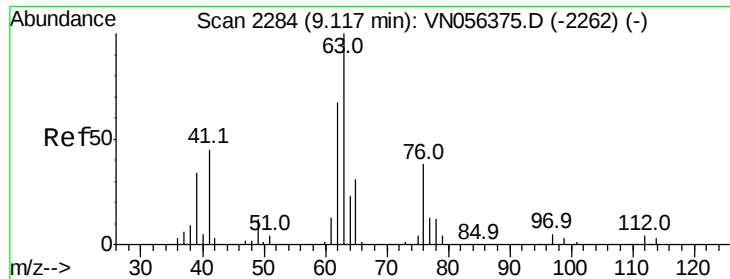
Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Tgt Ion:	130	Resp:	394959
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	191.0





#45

1,2-Dichloropropane

Concen: 98.538 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 389175

Ion Ratio Lower Upper

63 100

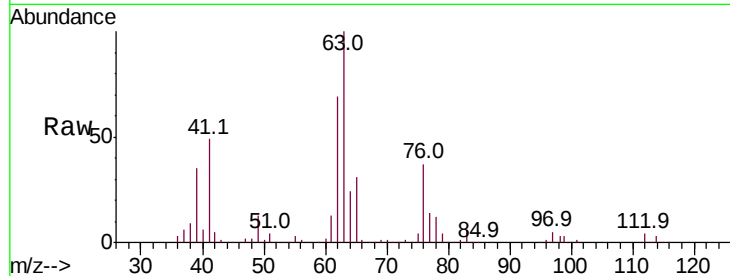
65 30.7 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

150000

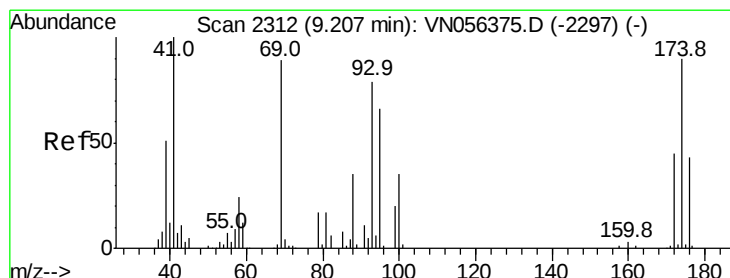
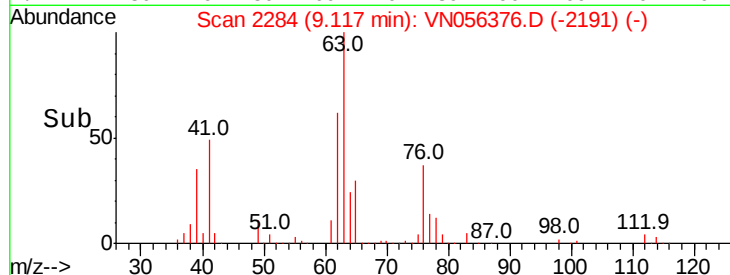
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 96.215 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

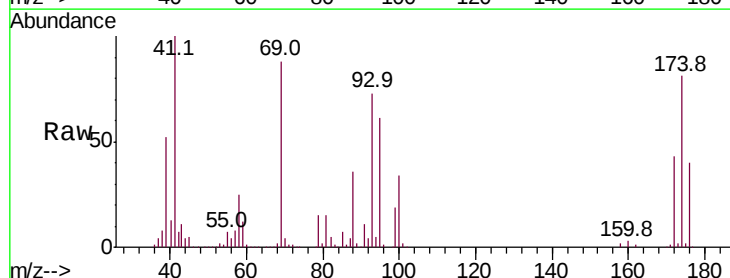
Tgt Ion: 93 Resp: 251342

Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.2

174 113.2 90.8 136.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

150000

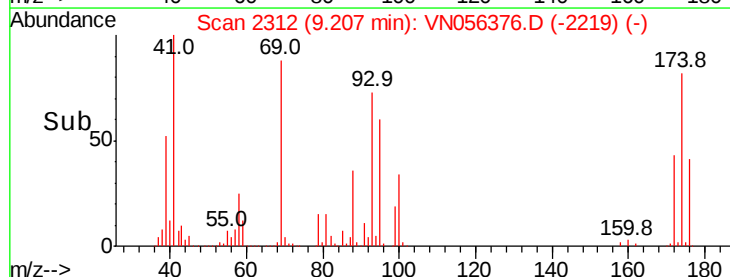
100000

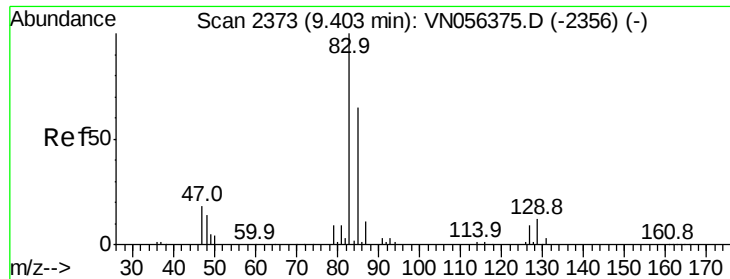
50000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 95.245 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

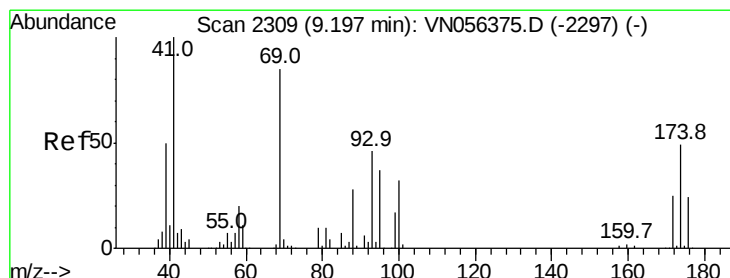
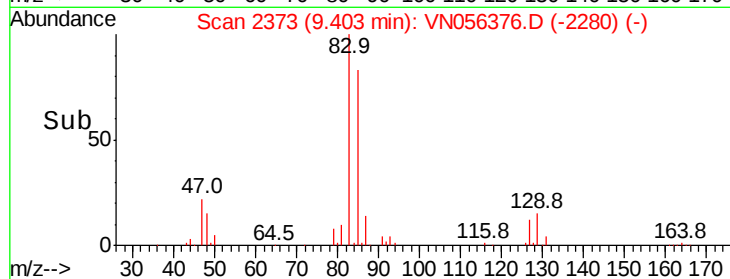
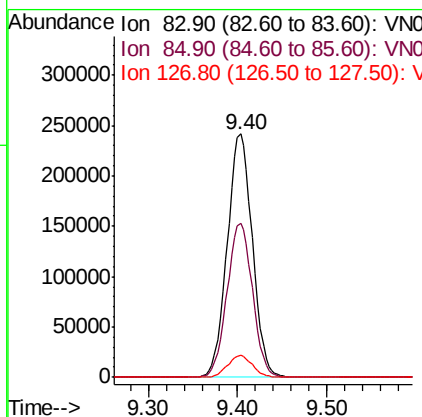
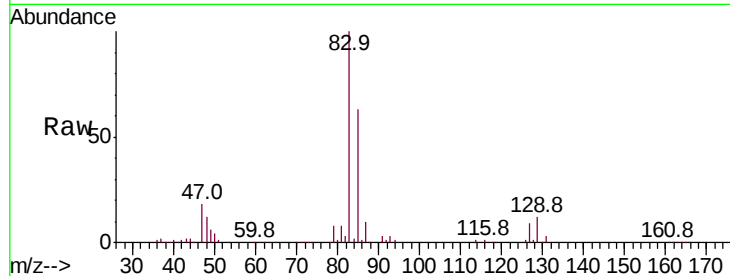
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	471307
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.2	78.4
127	8.9	7.3	10.9

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#48

Methyl methacrylate

Concen: 103.200 ug/l

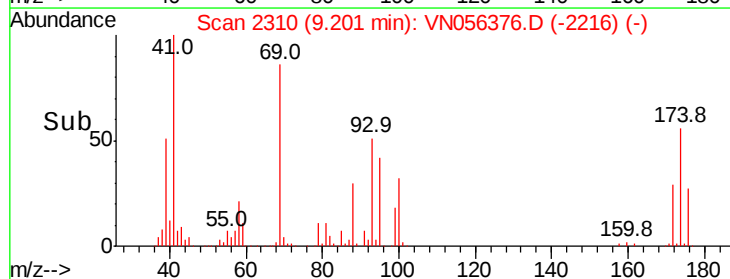
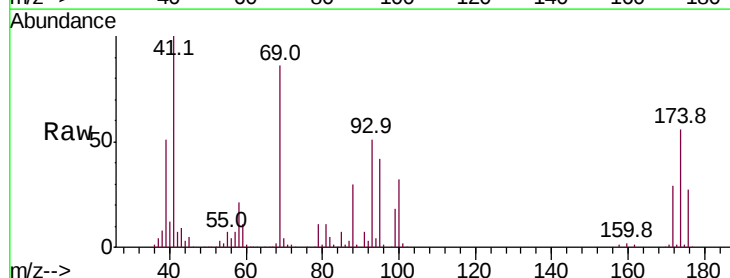
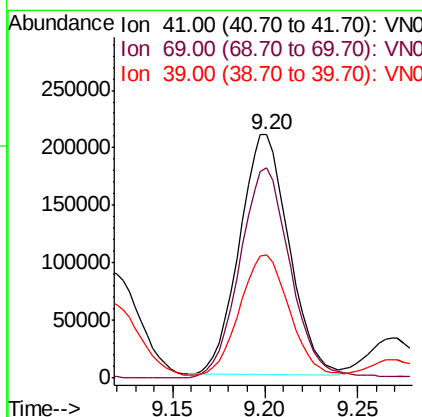
RT: 9.20 min Scan# 2310

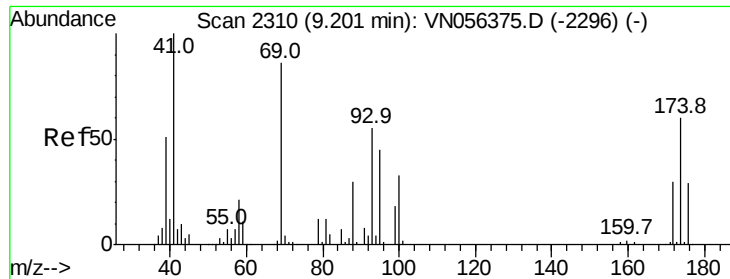
Delta R.T. 0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Tgt Ion:	41	Resp:	386865
Ion Ratio	Lower	Upper	
41	100		
69	89.4	72.6	109.0
39	52.4	42.6	63.8





#49

1,4-Dioxane

Concen: 2084.113 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 157176

Ion Ratio Lower Upper

88 100

43 26.1 22.0 33.0

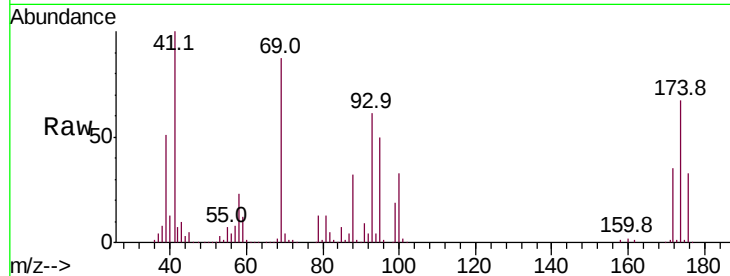
58 71.4 51.8 77.8

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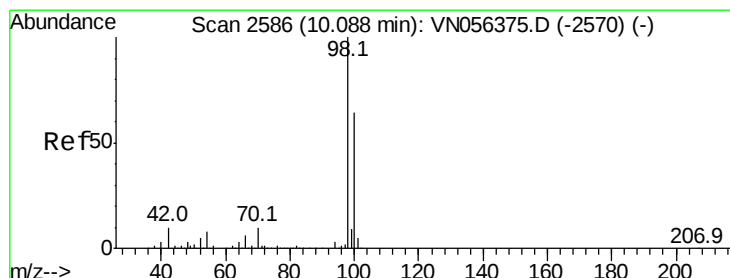
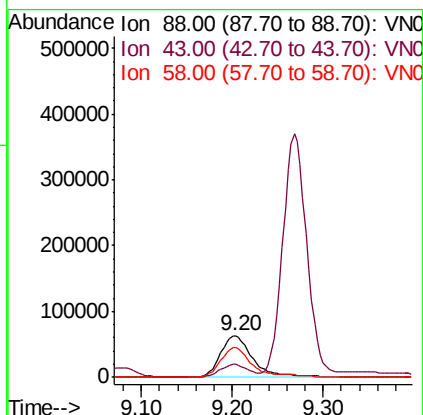
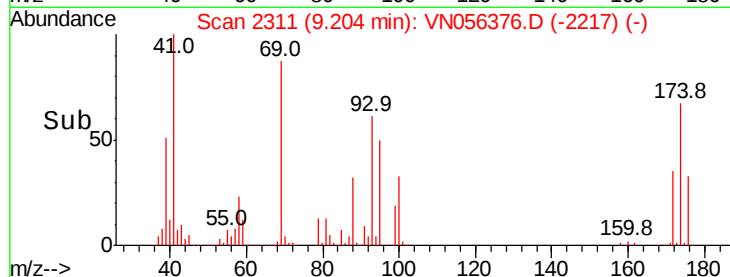


Abundance Ion 88.00 (87.70 to 88.70): VN056375.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN056375.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN056375.D (-2296) (-)

Time-->



#50

Toluene-d8

Concen: 99.172 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056376.D

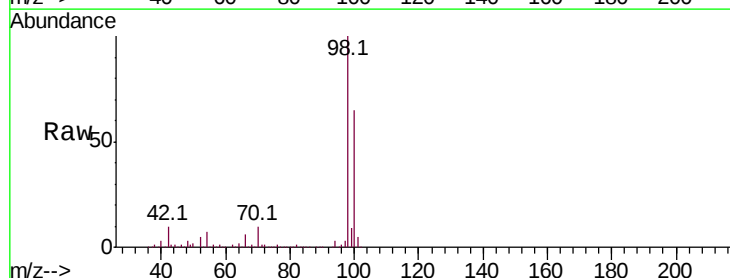
Acq: 19 Jun 2019 10:26

Tgt Ion: 98 Resp: 1334342

Ion Ratio Lower Upper

98 100

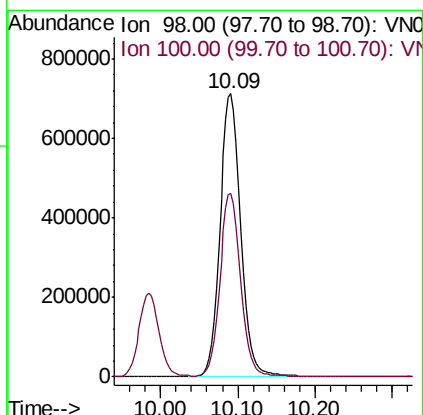
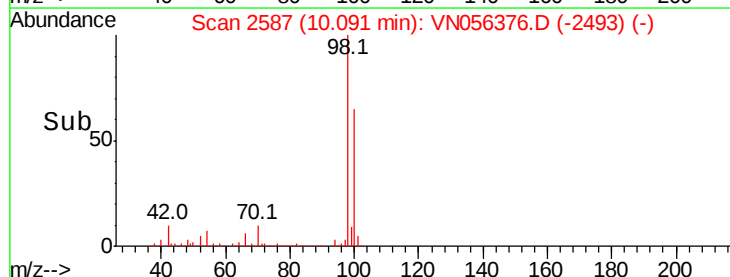
100 65.2 52.2 78.2

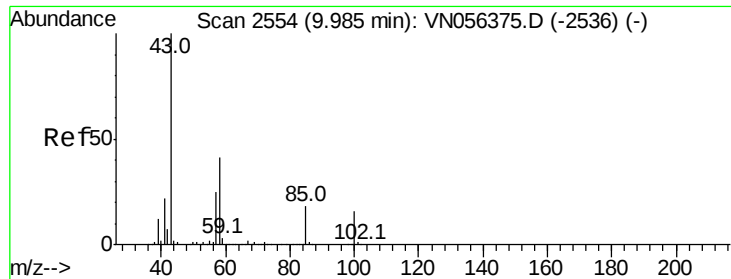


Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056375.D (-2570) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 525.734 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2503200

Ion Ratio Lower Upper

43 100

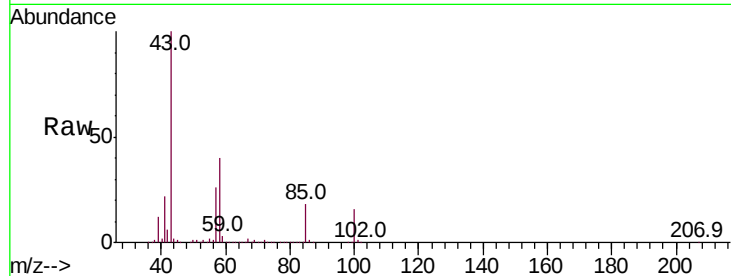
58 40.0 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1500000

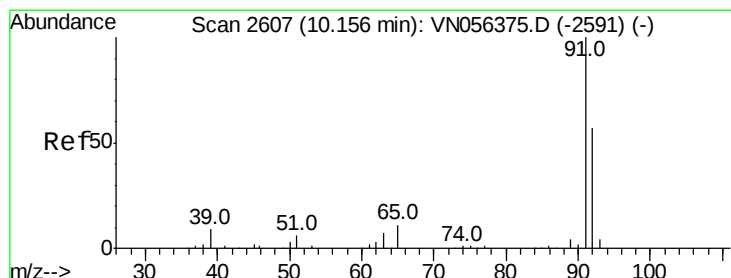
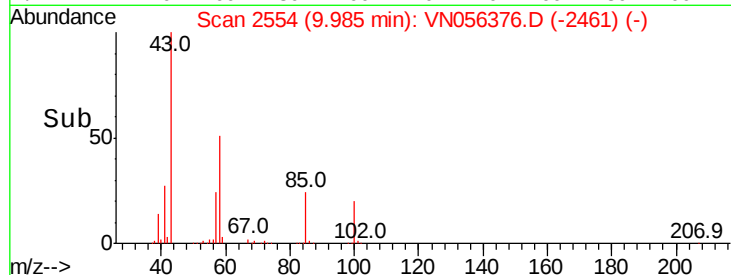
1000000

500000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 100.218 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056376.D

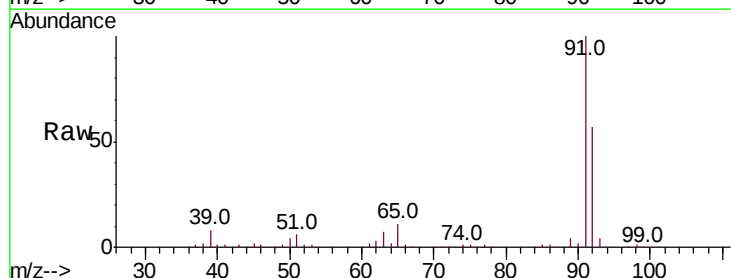
Acq: 19 Jun 2019 10:26

Tgt Ion: 92 Resp: 910407

Ion Ratio Lower Upper

92 100

91 174.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1000000

800000

600000

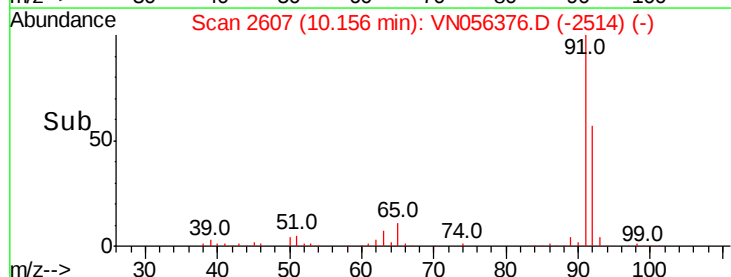
400000

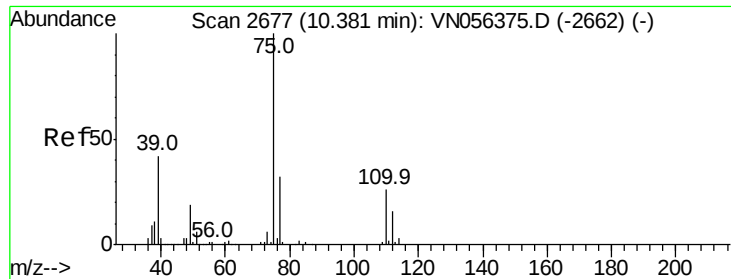
200000

0

10.00 10.10 10.16 10.20 10.30

Time-->





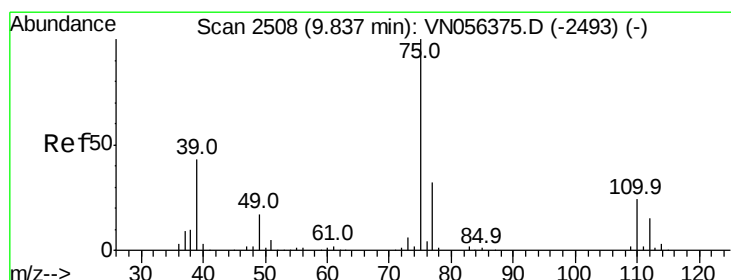
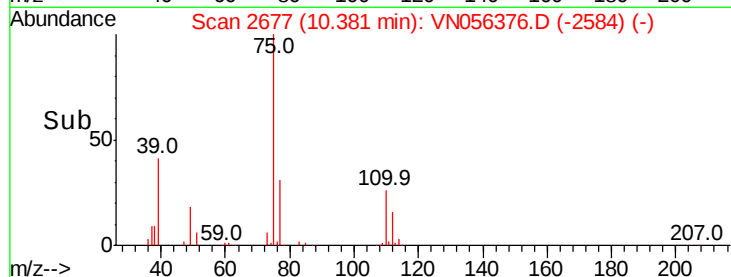
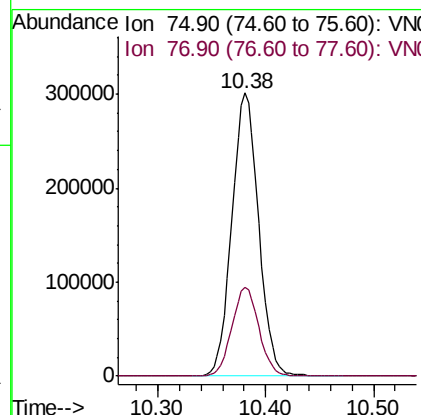
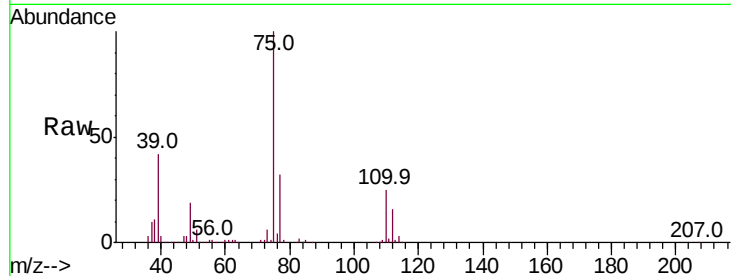
#53
 t-1,3-Dichloropropene
 Concen: 105.445 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2

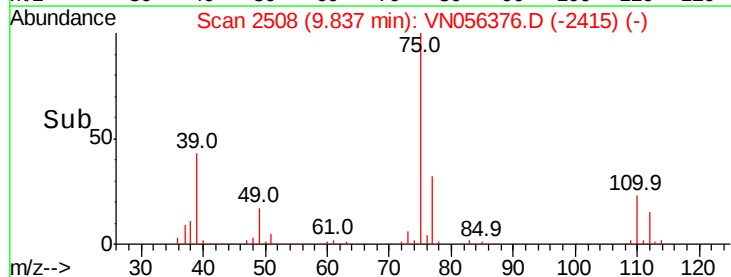
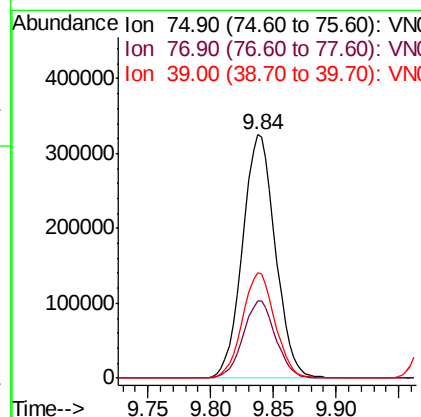
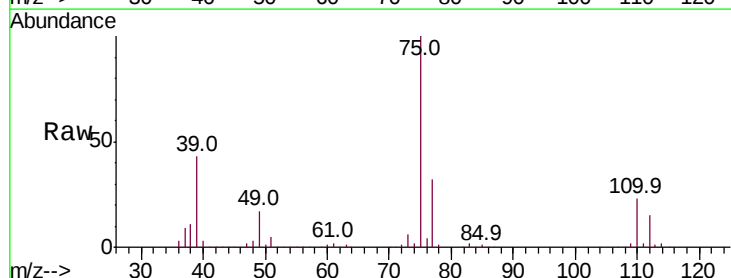
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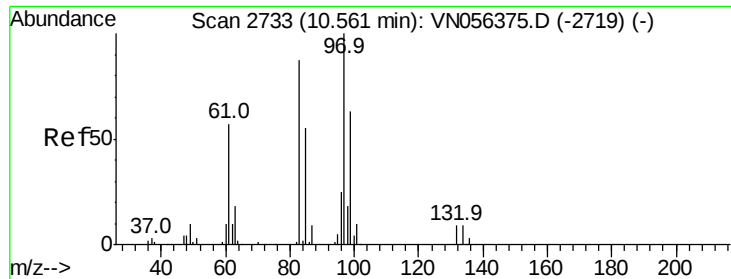
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#54
 cis-1,3-Dichloropropene
 Concen: 103.490 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8
39	43.3	34.2	51.4





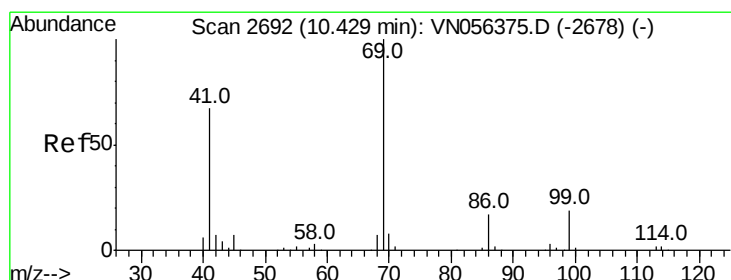
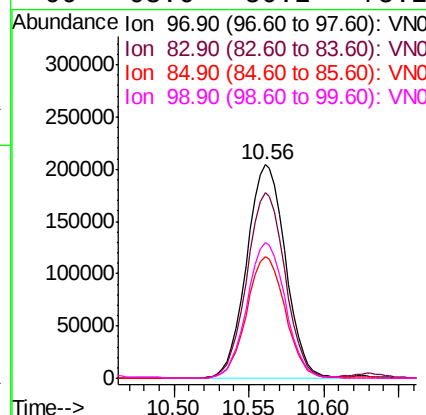
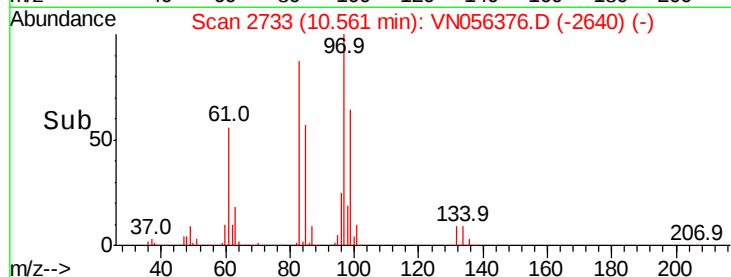
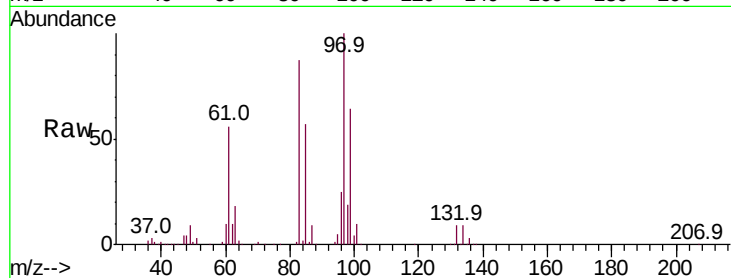
#55
 1,1,2-Trichloroethane
 Concen: 98.519 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	97	Resp	369380
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.8	104.6
85	56.9	43.8	65.8
99	63.6	50.2	75.2

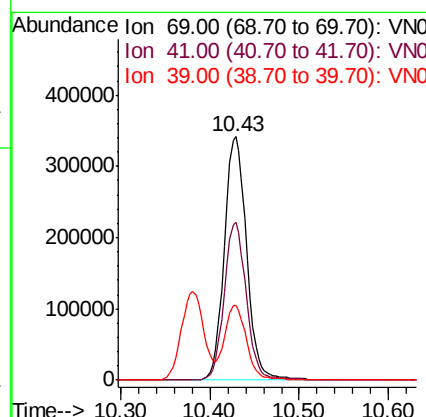
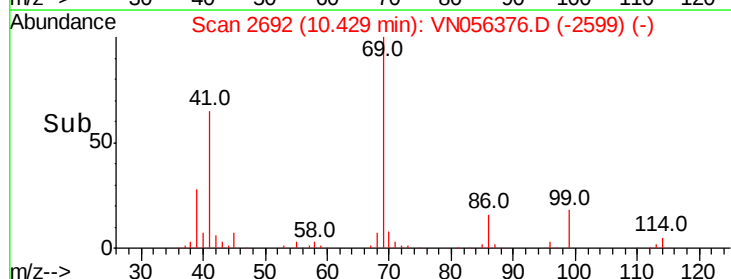
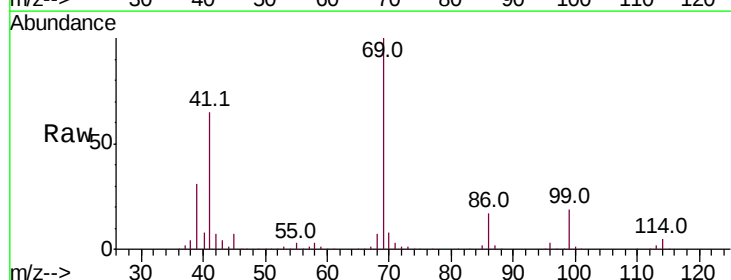
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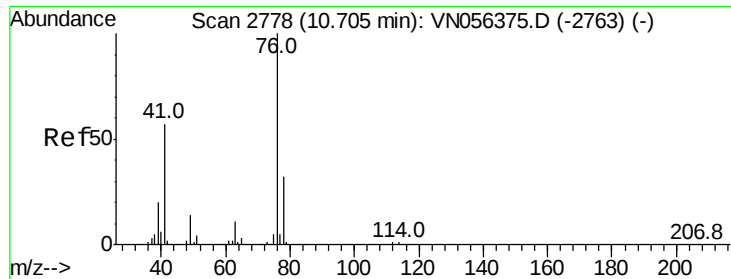
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 6/21/2019 10:52:09 PM



#56
 Ethyl methacrylate
 Concen: 110.002 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Tgt Ion	69	Resp	592092
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.4	77.2
39	30.0	24.7	37.1





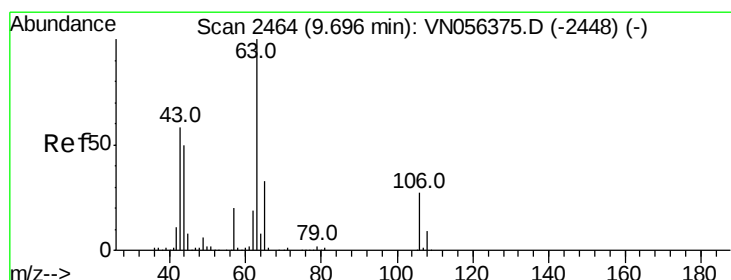
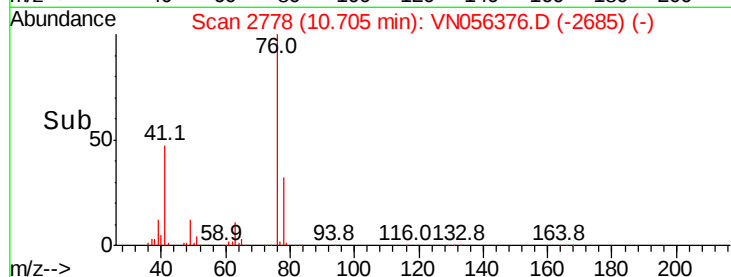
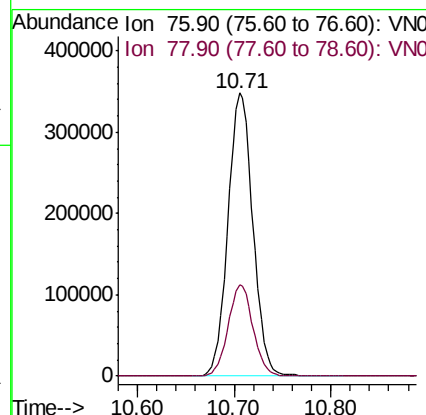
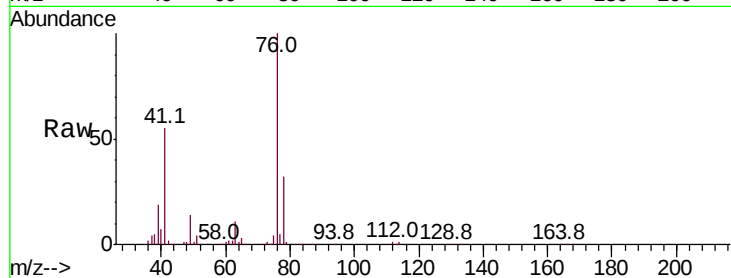
#57
 1,3-Dichloropropane
 Concen: 98.455 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

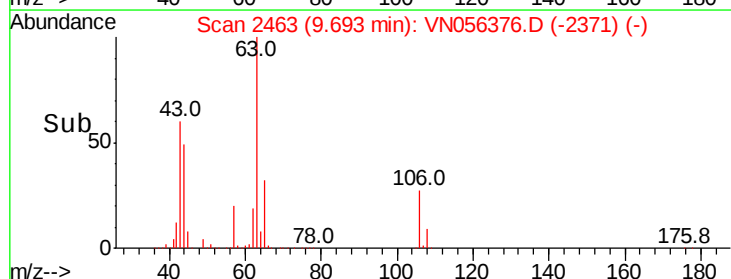
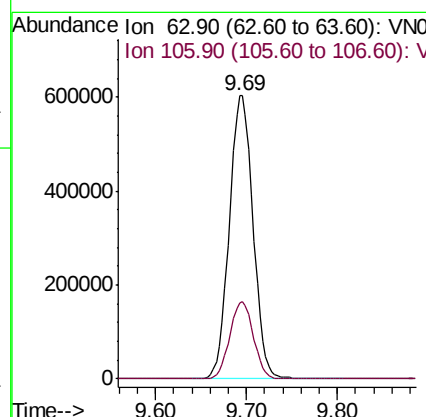
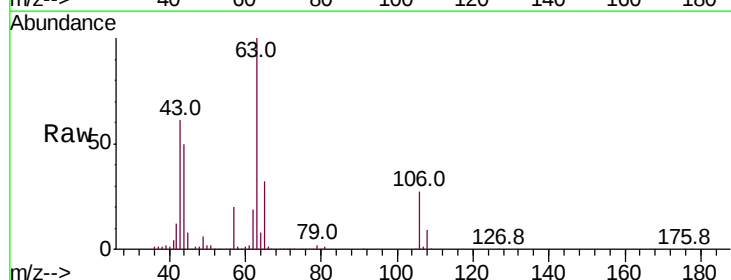
Manual Integrations
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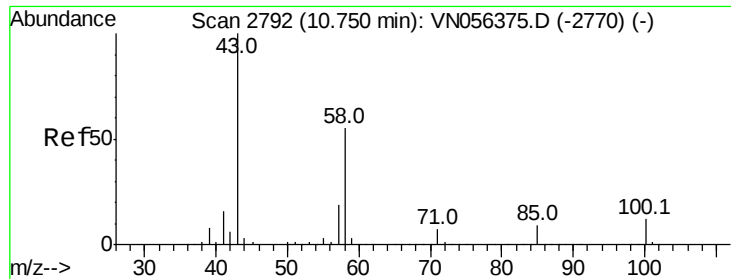
MMDadoda
 6/21/2019 10:52:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 614.186 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.6	32.4





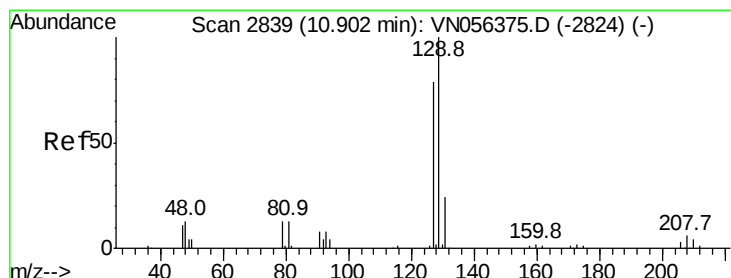
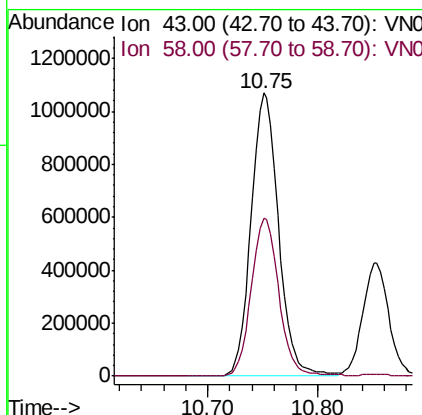
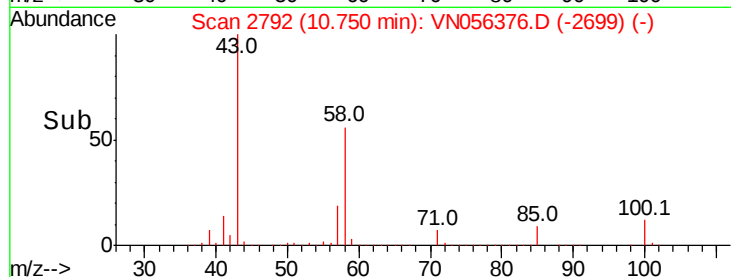
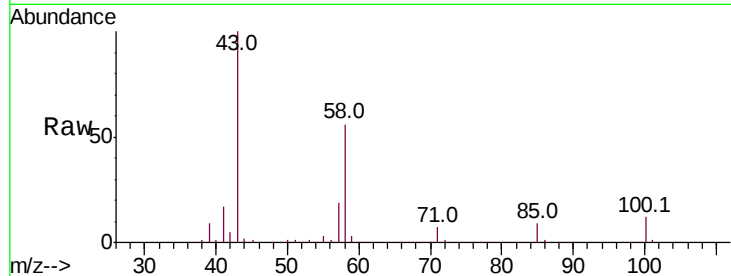
#59
2-Hexanone
Concen: 522.198 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1840985
Ion Ratio Lower Upper
43 100
58 56.3 27.8 83.4

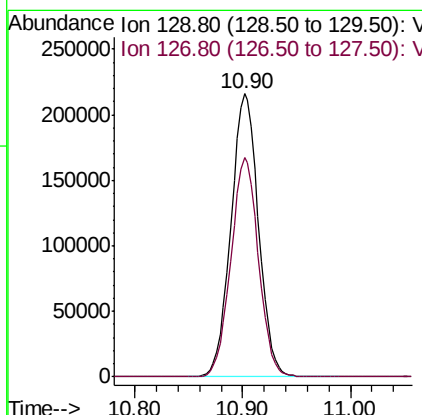
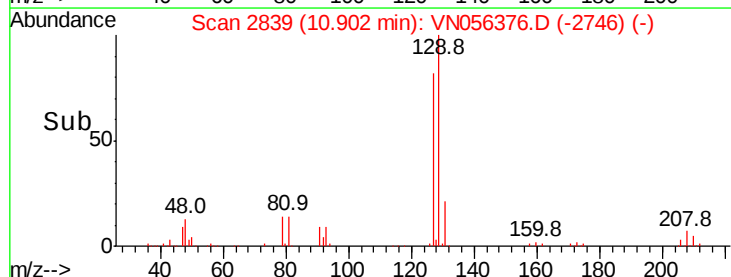
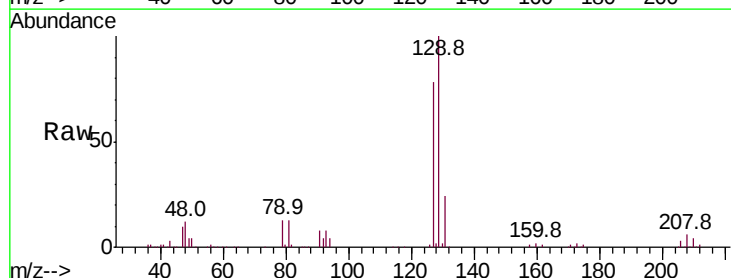
Manual Integrations
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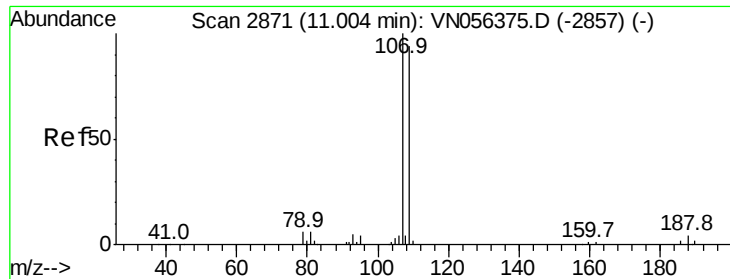
MMDadoda
6/21/2019 10:52:09 PM



#60
Dibromochloromethane
Concen: 99.509 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion: 129 Resp: 384653
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 101.367 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 389972

Ion Ratio Lower Upper

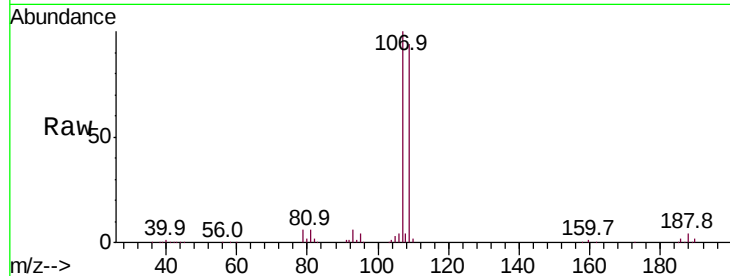
107 100

109 95.1 75.3 112.9

Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

250000

200000

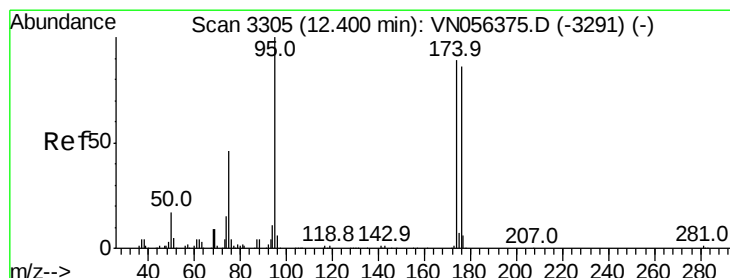
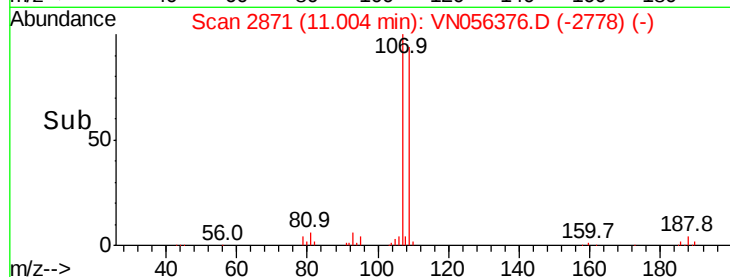
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 108.370 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

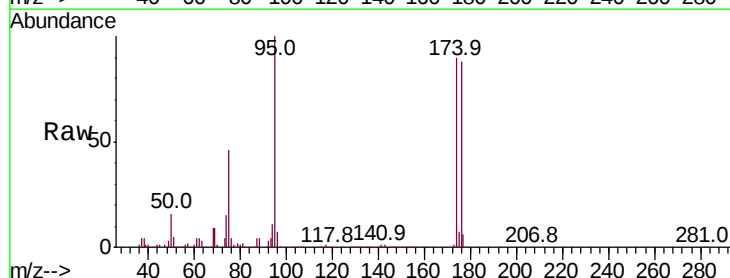
Tgt Ion: 95 Resp: 482659

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.4

176 86.8 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

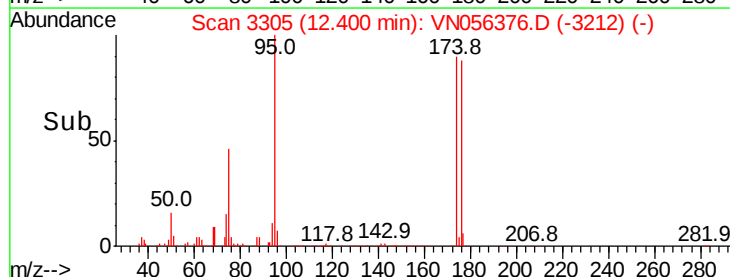
300000

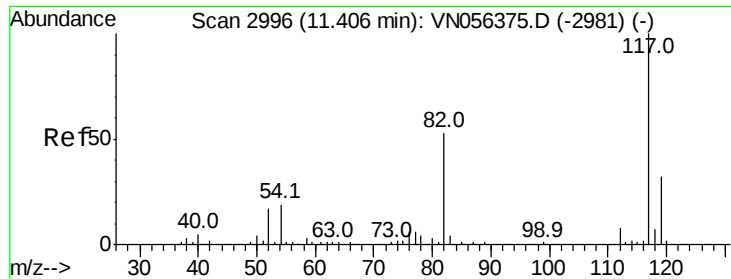
200000

100000

0

Time-->





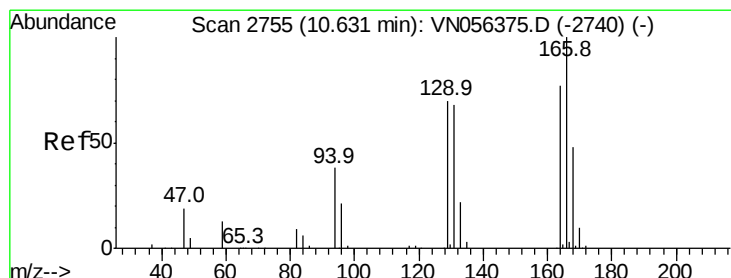
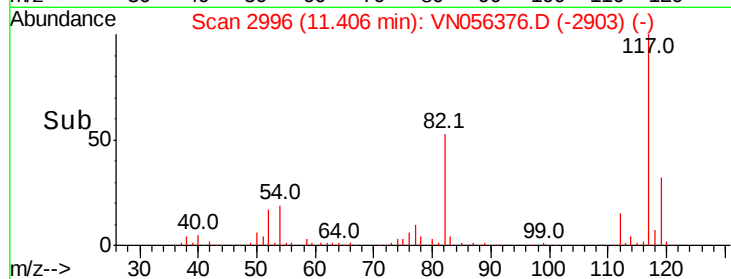
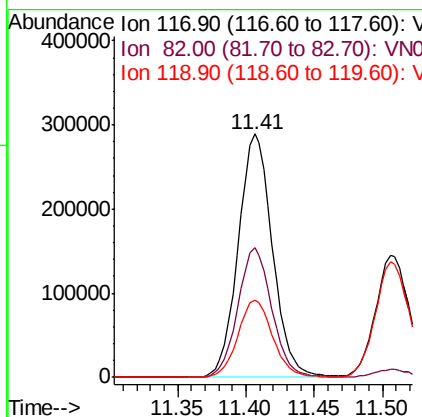
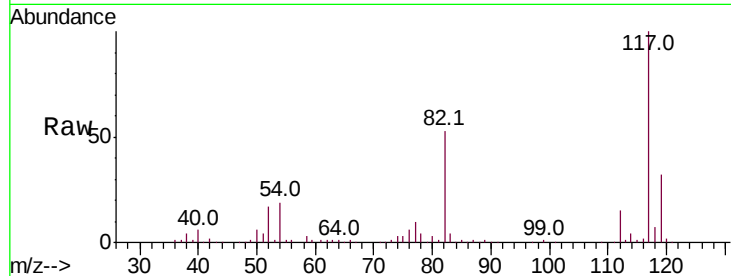
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.0	63.0
119	31.9	25.3	37.9

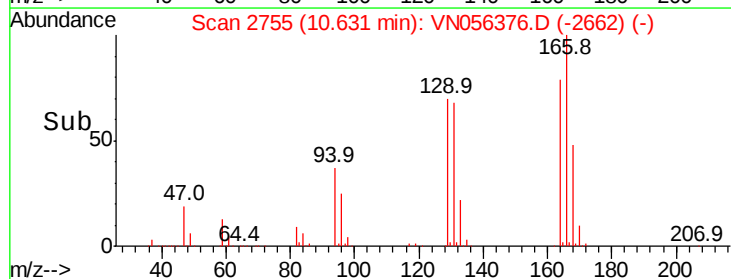
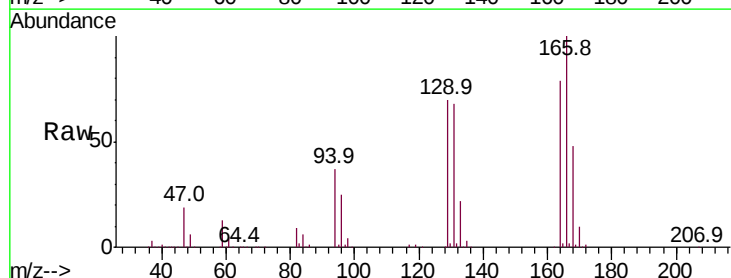
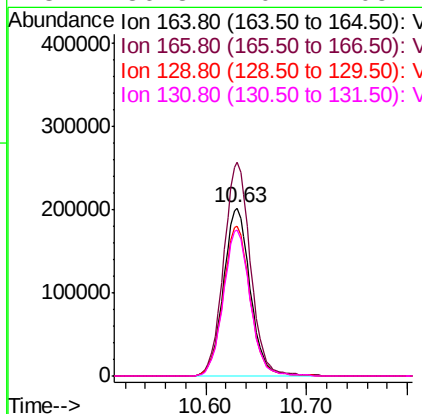
Manual Integrations
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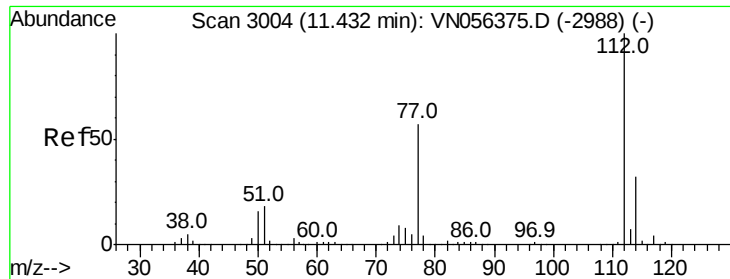
MMDadoda
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#64
Tetrachloroethene
Concen: 91.466 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.4	155.0
129	89.5	72.0	108.0
131	86.8	70.2	105.2





#65

Chlorobenzene

Concen: 98.106 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 997472

Ion Ratio Lower Upper

112 100

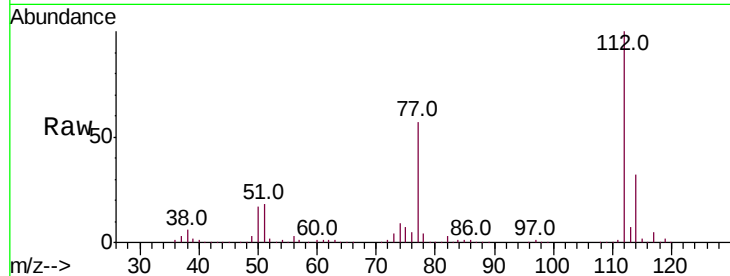
114 32.1 25.4 38.2

Manual Integrations

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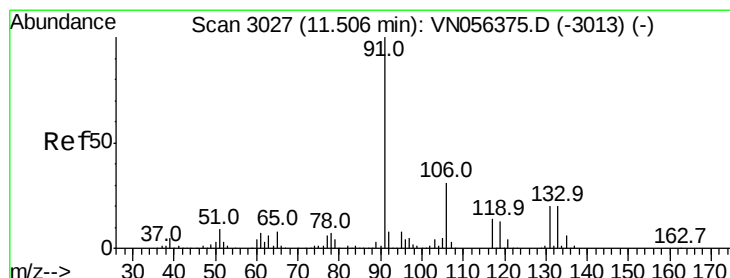
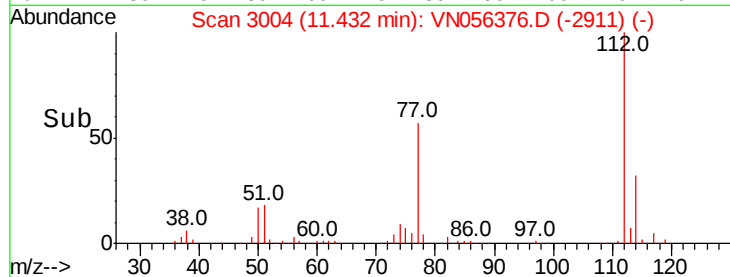
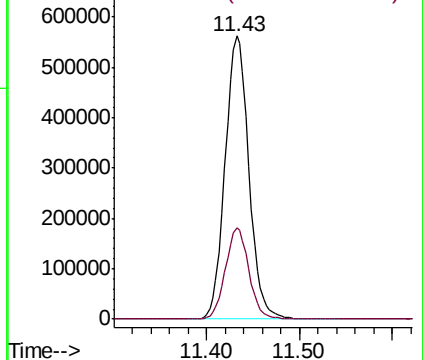
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 95.204 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

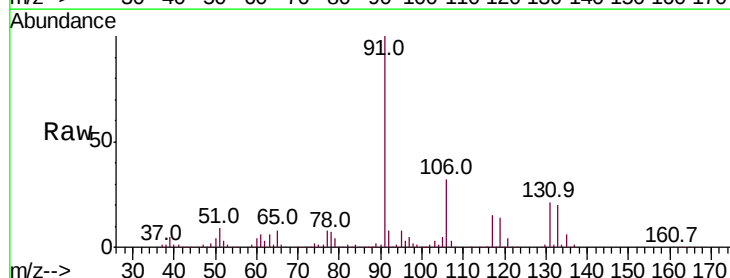
Tgt Ion:131 Resp: 359063

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.2

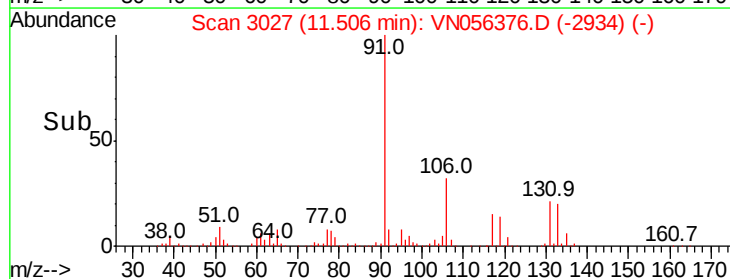
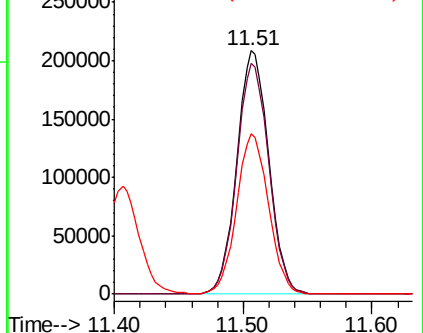
119 65.9 32.8 98.4

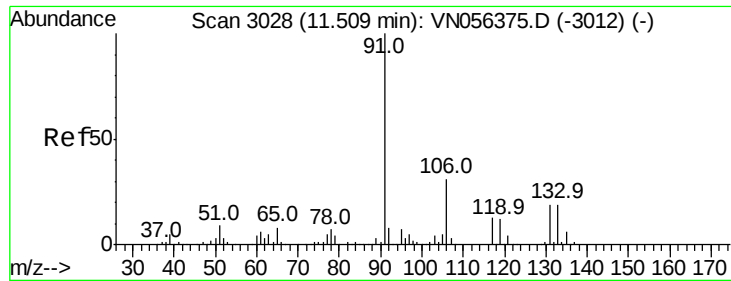


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





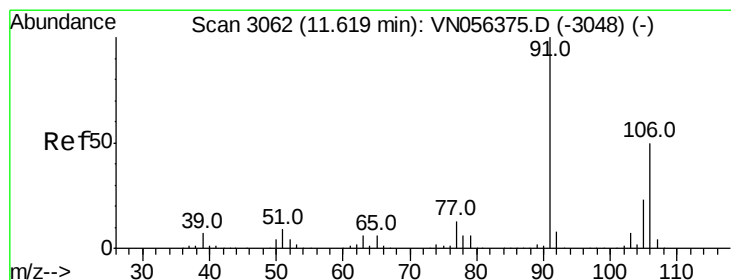
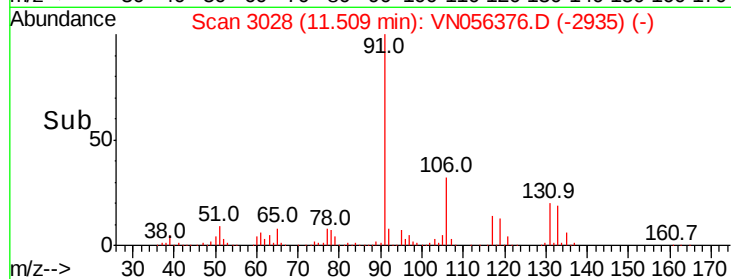
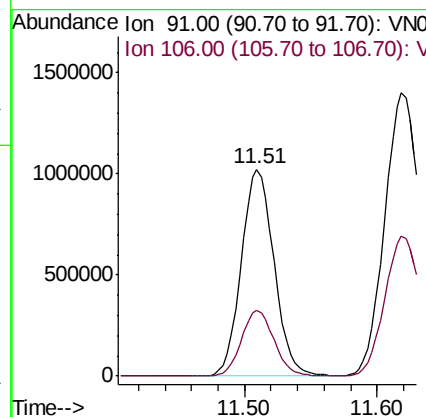
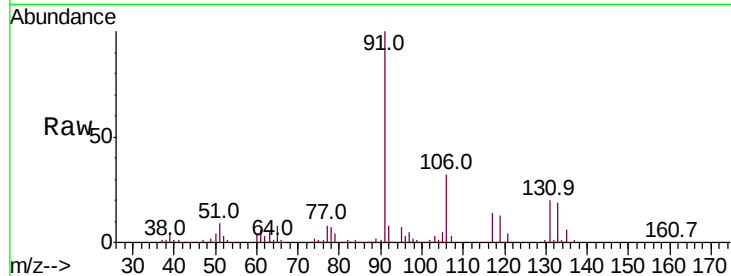
#67
Ethyl Benzene
Concen: 100.296 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1753836
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

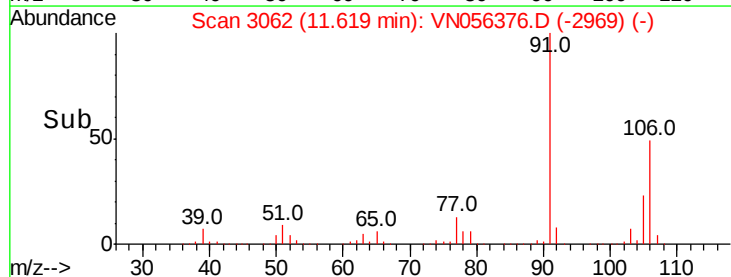
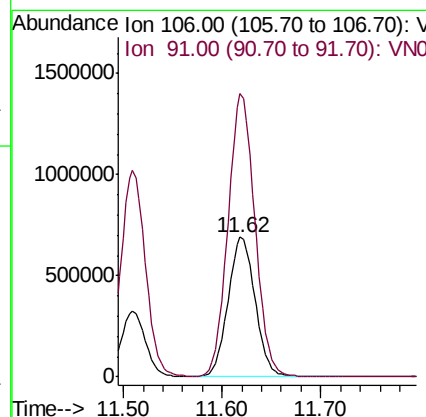
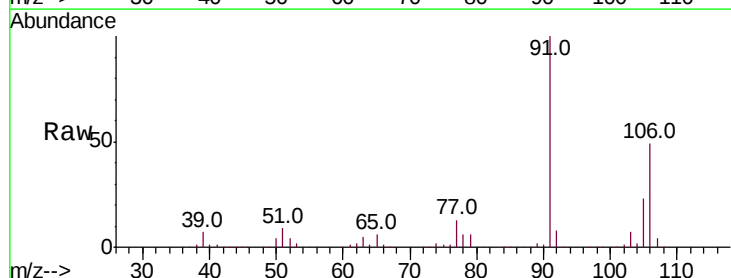
Manual Integrations
APPROVED

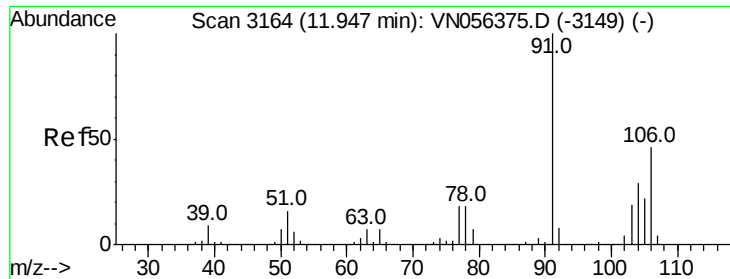
MMDadoda
6/21/2019 10:52:09 PM



#68
m/p-Xylenes
Concen: 204.627 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion: 106 Resp: 1329344
Ion Ratio Lower Upper
106 100
91 201.3 160.1 240.1





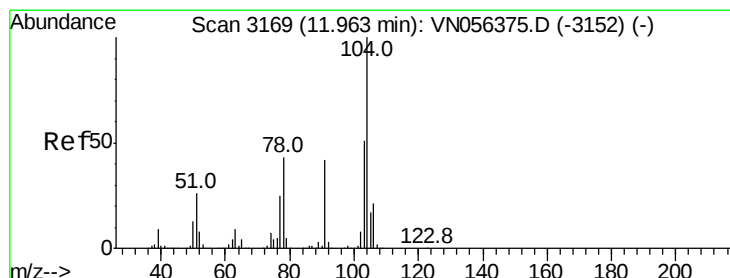
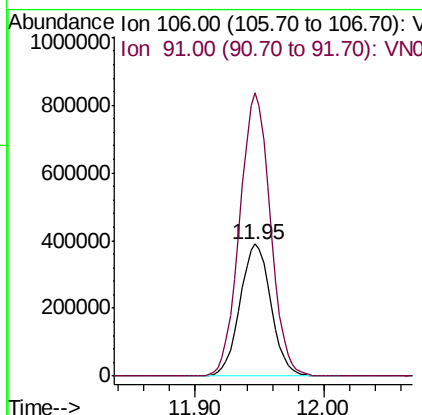
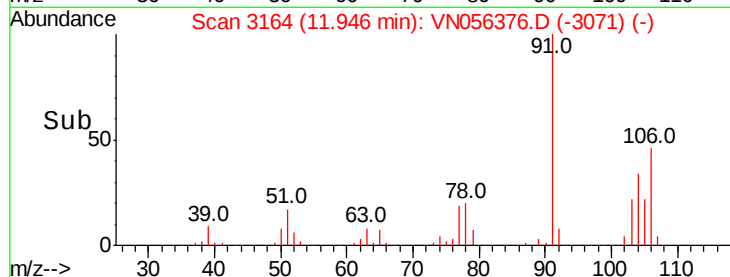
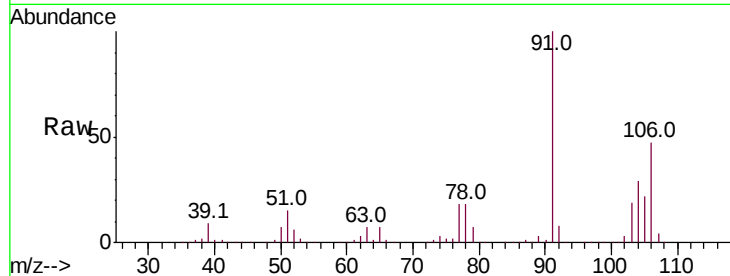
#69
o-Xylene
Concen: 101.563 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 650292
Ion Ratio Lower Upper
106 100
91 213.2 107.1 321.3

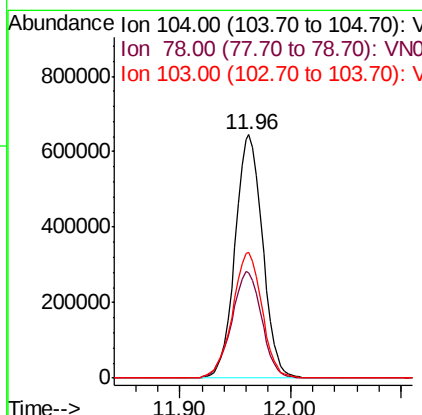
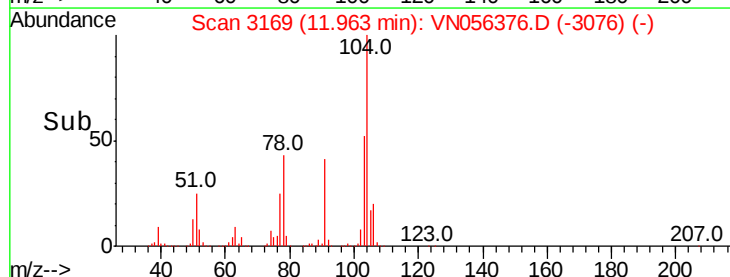
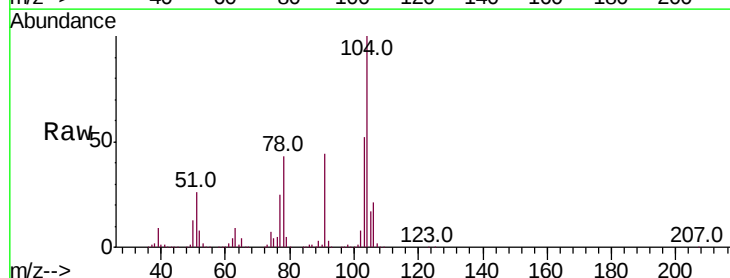
Manual Integrations
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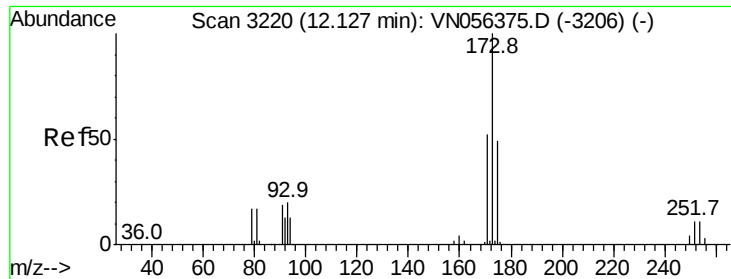
MMDadoda
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#70
Styrene
Concen: 107.804 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion:104 Resp: 1113774
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 55.4 43.9 65.9





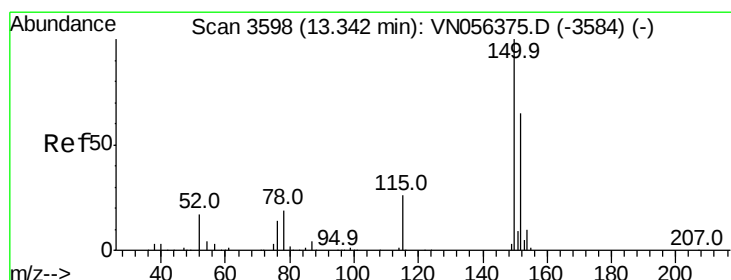
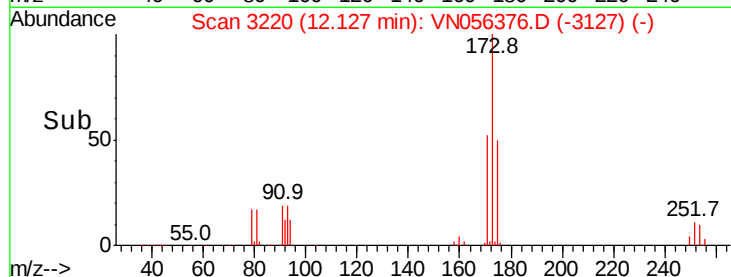
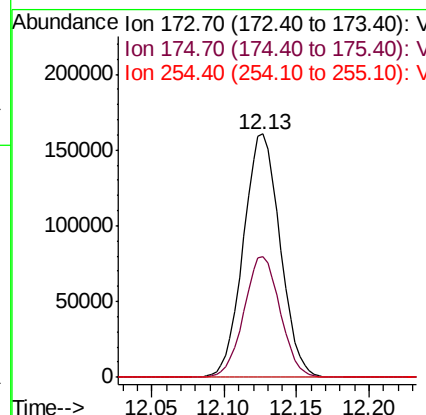
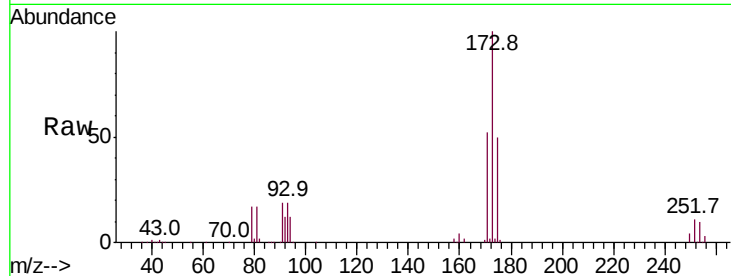
#71
Bromoform
Concen: 98.569 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.4
254	0.1	0.0	0.0

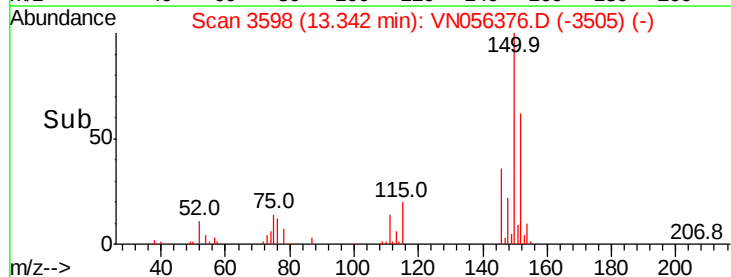
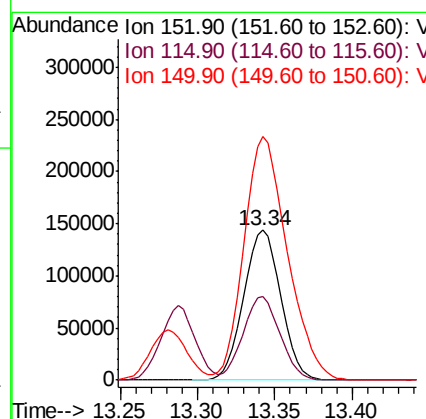
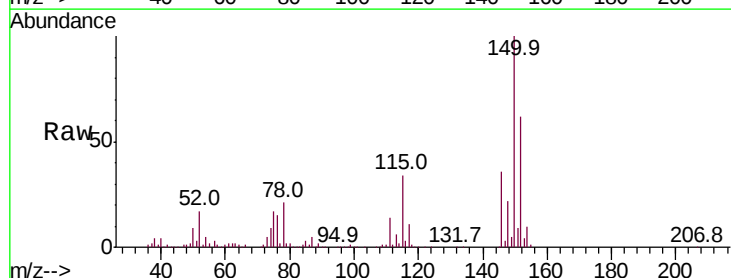
Manual Integrations
APPROVED

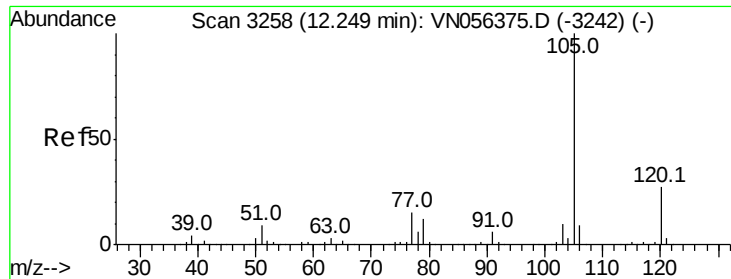
MMDadoda
6/21/2019 10:52:09 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.1	84.4
150	189.2	0.0	348.4





#73

Isopropylbenzene

Concen: 83.528 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1711507

Ion Ratio Lower Upper

105 100

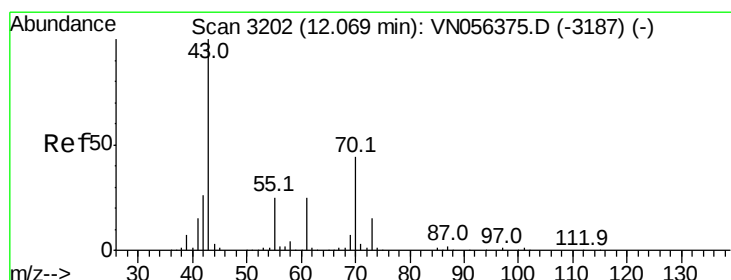
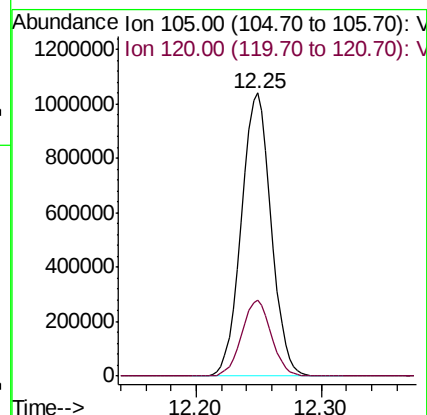
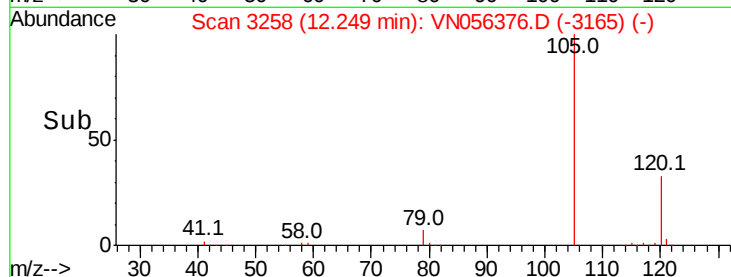
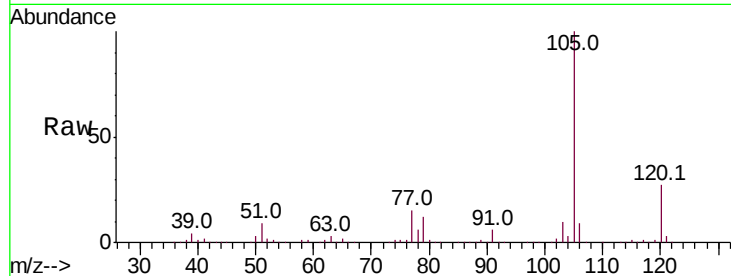
120 26.7 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

6/21/2019 10:52:09 PM



#74

N-ethyl acetate

Concen: 88.890 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Tgt Ion: 43 Resp: 669660

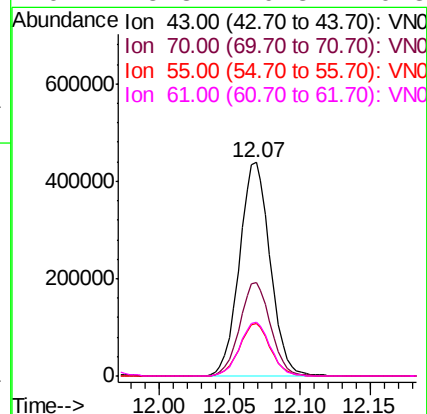
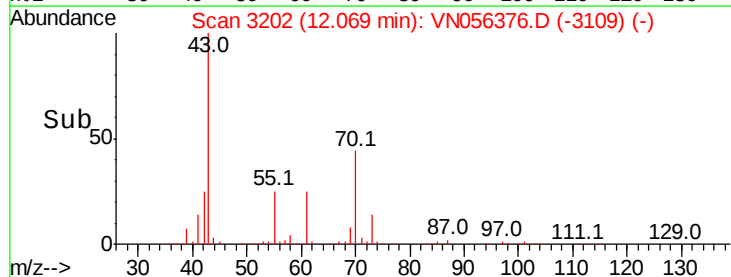
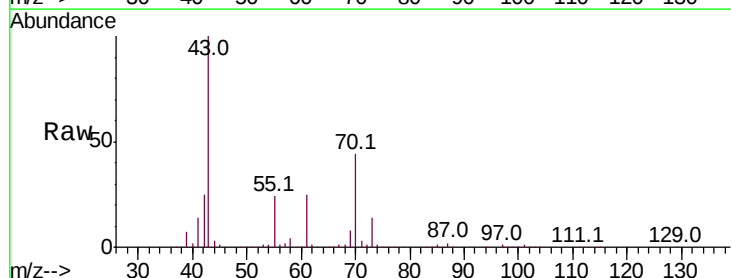
Ion Ratio Lower Upper

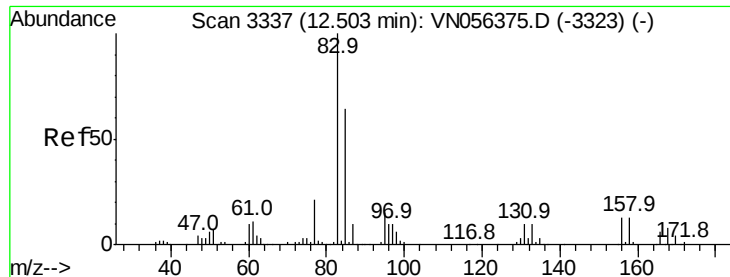
43 100

70 43.9 34.9 52.3

55 24.8 20.4 30.6

61 25.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 80.559 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 539208

Ion Ratio Lower Upper

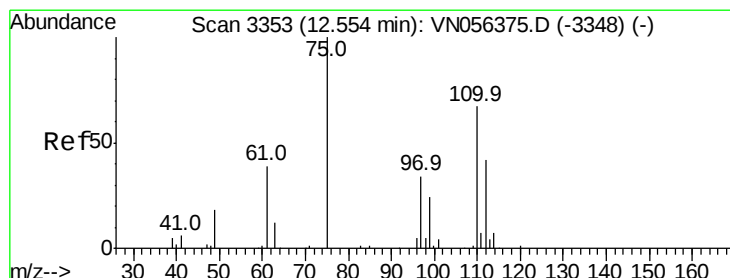
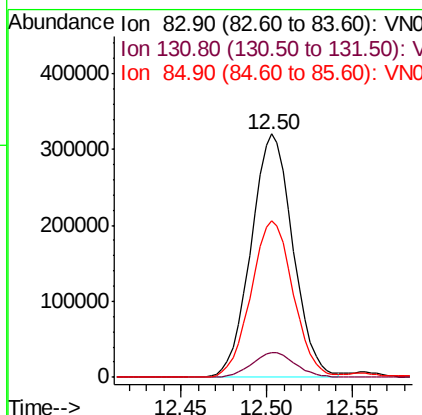
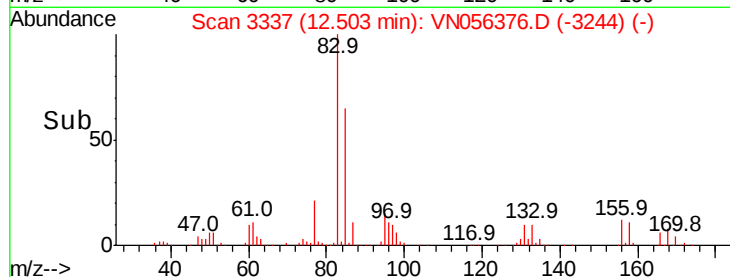
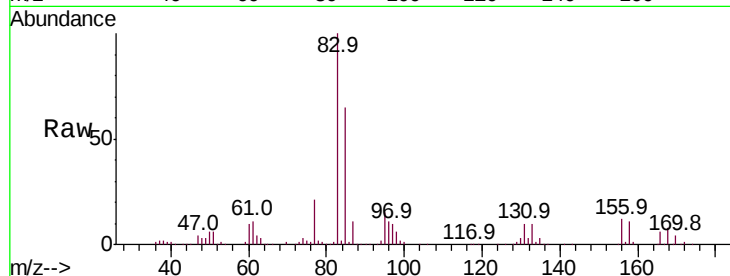
83 100

131 10.6 5.3 15.8

85 64.8 32.4 97.0

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#76

1,2,3-Trichloropropane

Concen: 86.551 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN056376.D

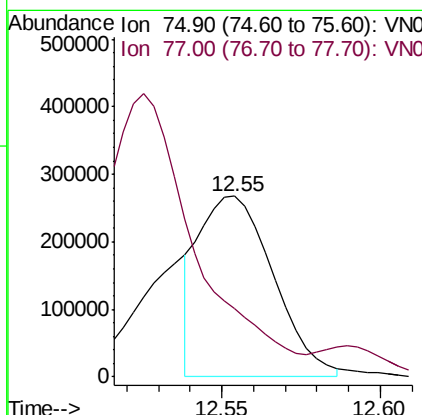
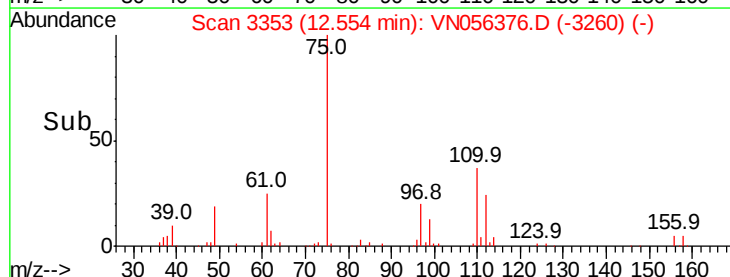
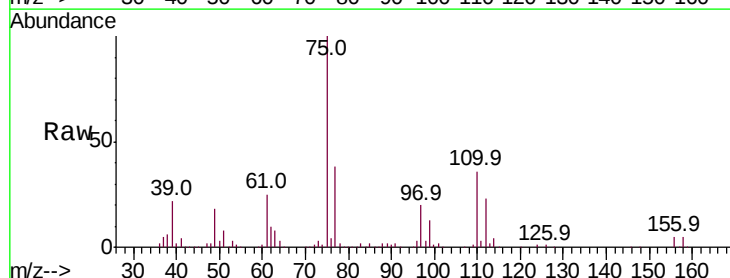
Acq: 19 Jun 2019 10:26

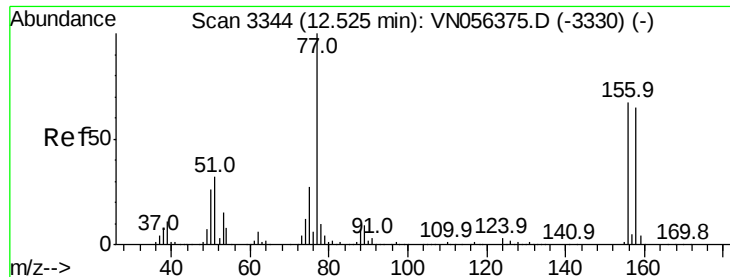
Tgt Ion: 75 Resp: 440221

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 85.720 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

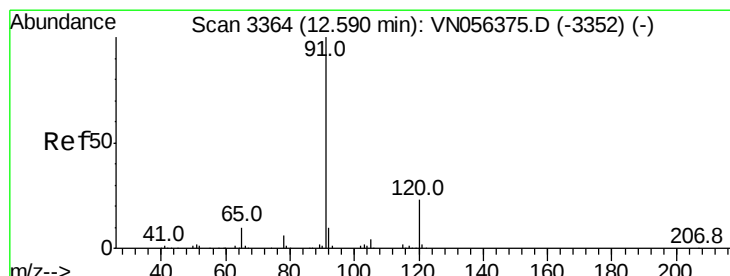
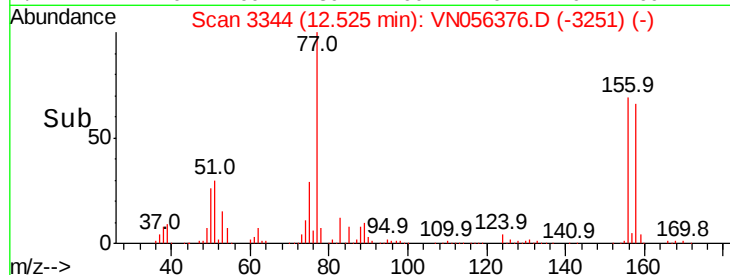
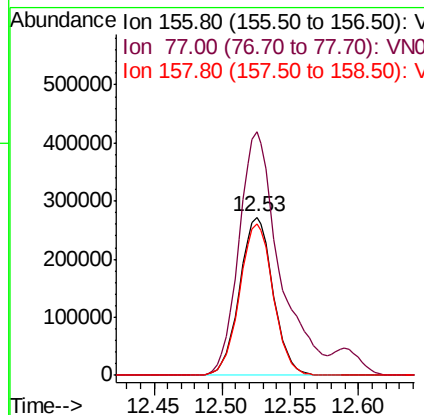
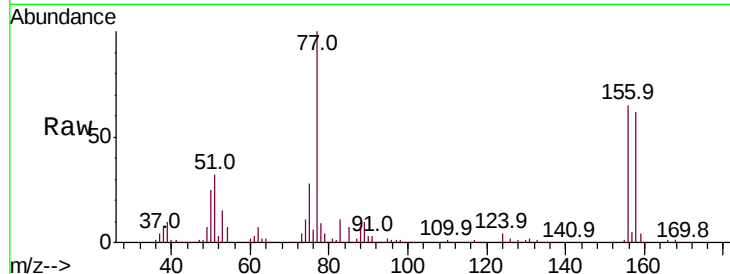
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	462645
Ion Ratio	Lower	Upper	
156	100		
77	186.9	92.5	277.3
158	96.2	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 90.461 ug/l

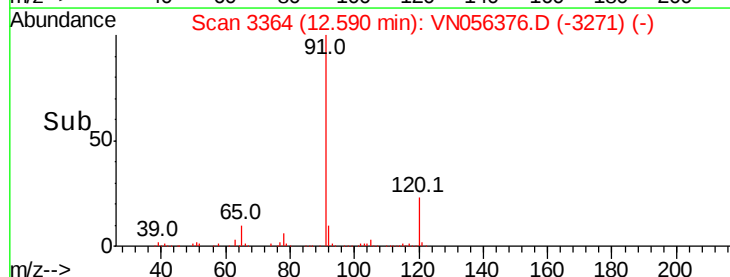
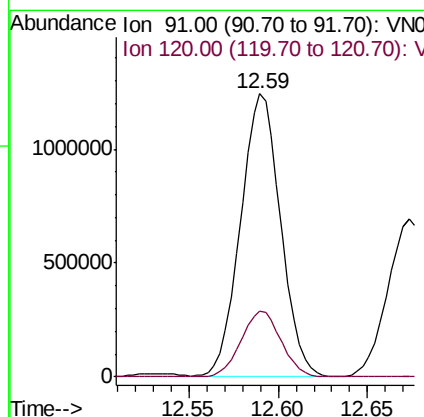
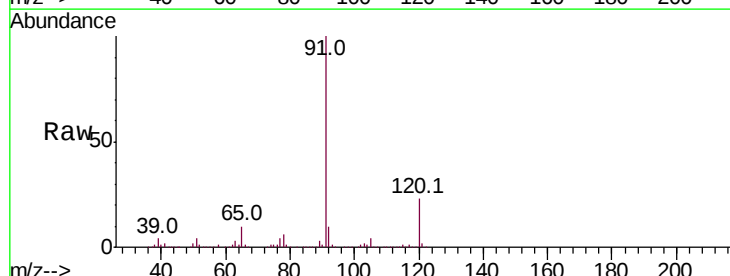
RT: 12.59 min Scan# 3364

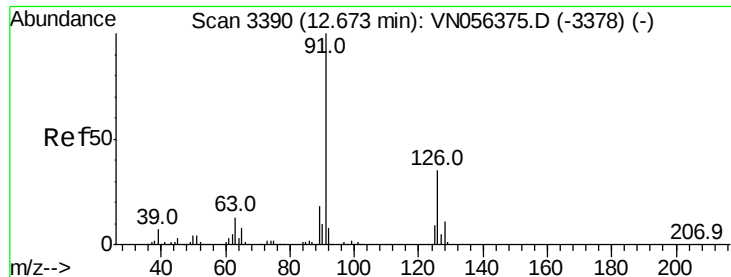
Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Tgt Ion:	91	Resp:	1938220
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.8	35.4





#79

2-Chlorotoluene

Concen: 84.425 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1152708

Ion Ratio Lower Upper

91 100

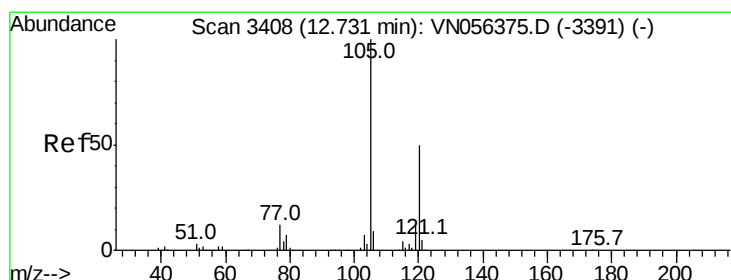
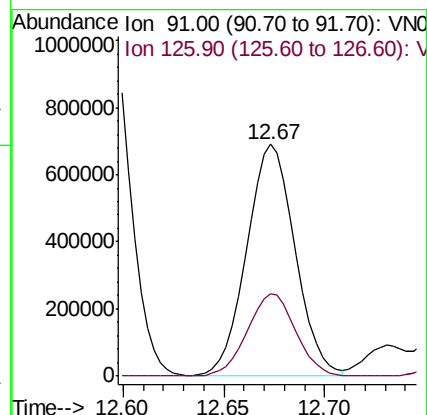
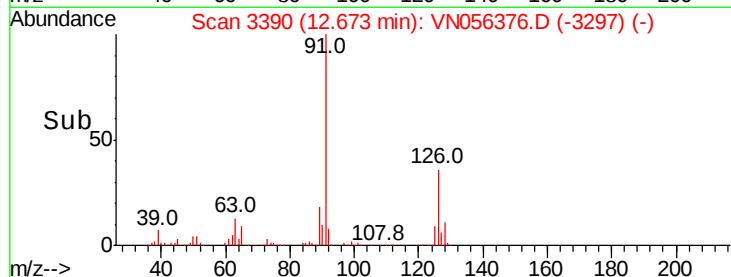
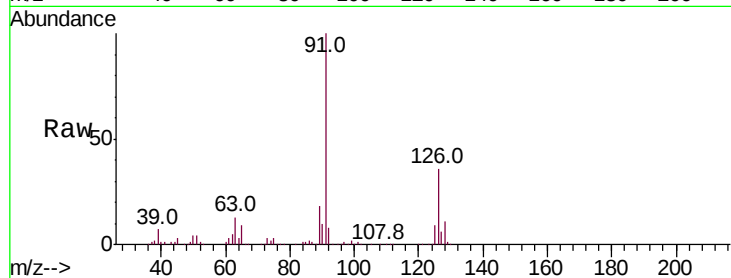
126 35.8 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 86.976 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056376.D

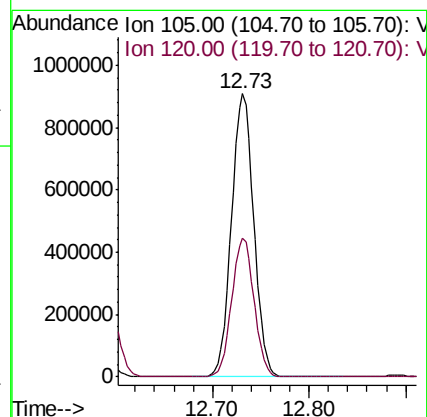
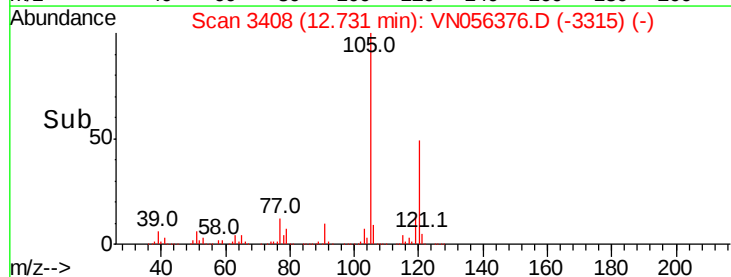
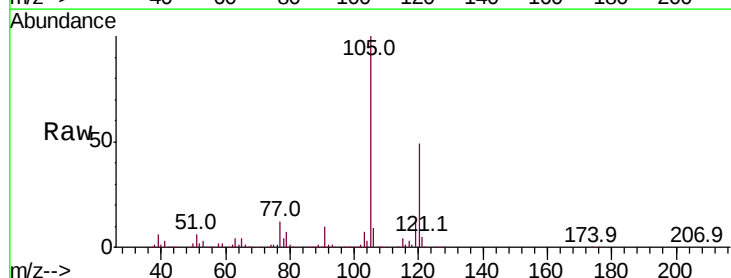
Acq: 19 Jun 2019 10:26

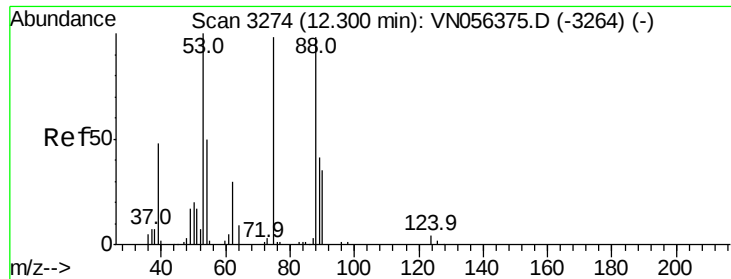
Tgt Ion: 105 Resp: 1449924

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 94.643 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

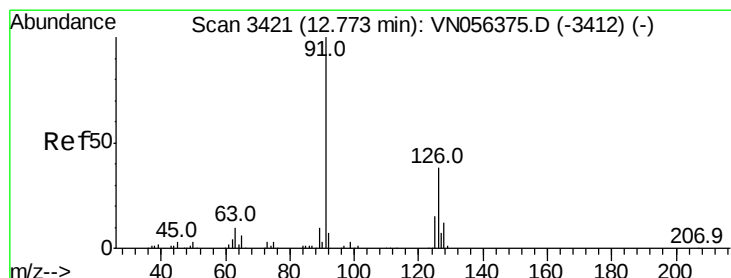
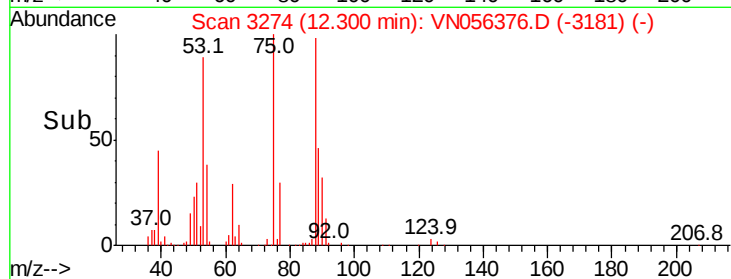
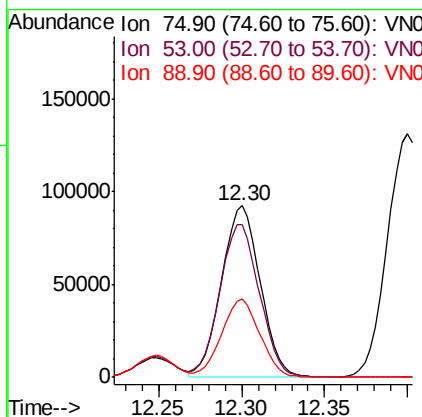
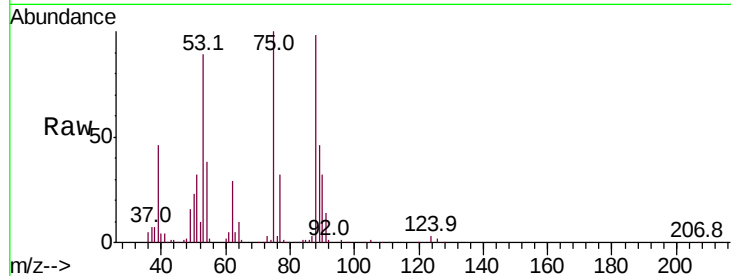
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	151104
Ion	Ratio	Lower	Upper
75	100		
53	91.1	83.9	125.9
89	44.9	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 92.019 ug/l

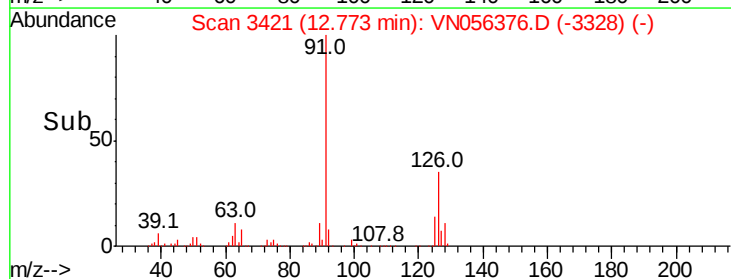
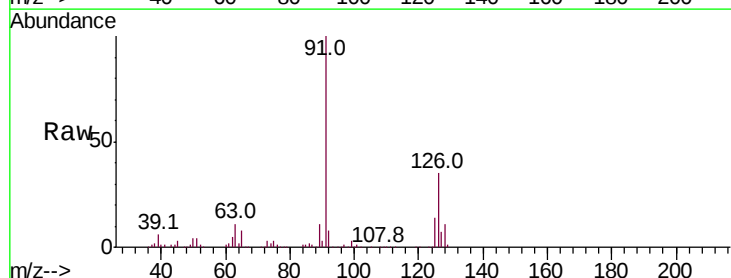
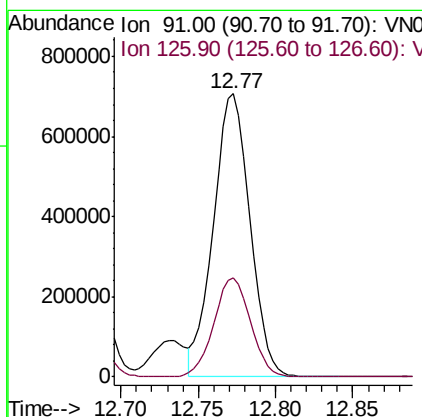
RT: 12.77 min Scan# 3421

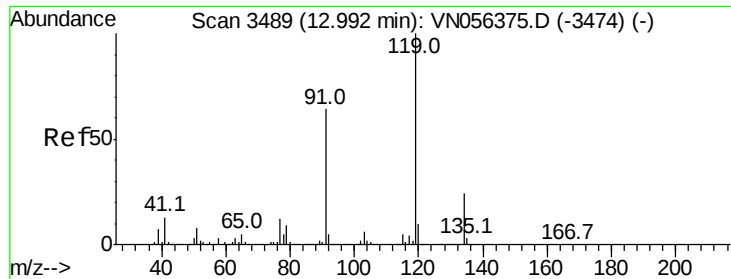
Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Tgt Ion:	91	Resp:	1159173
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	52.0





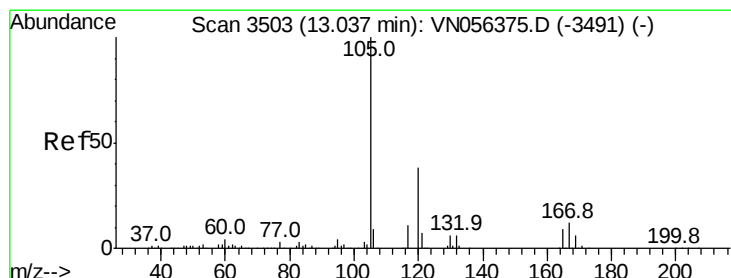
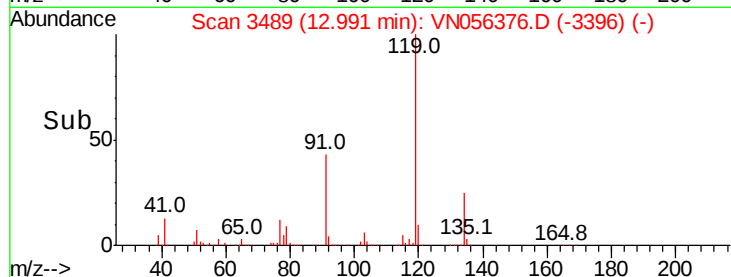
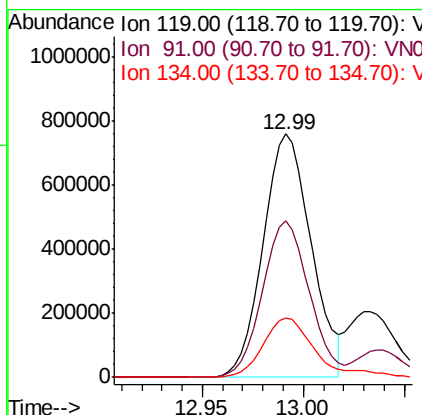
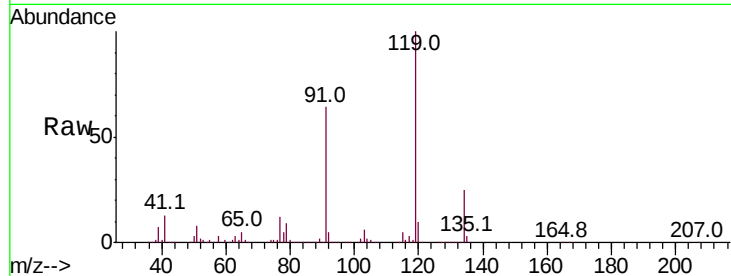
#83
tert-Butylbenzene
Concen: 84.061 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:119 Resp: 1257920
Ion Ratio Lower Upper
119 100
91 62.7 31.6 94.7
134 26.6 13.2 39.5

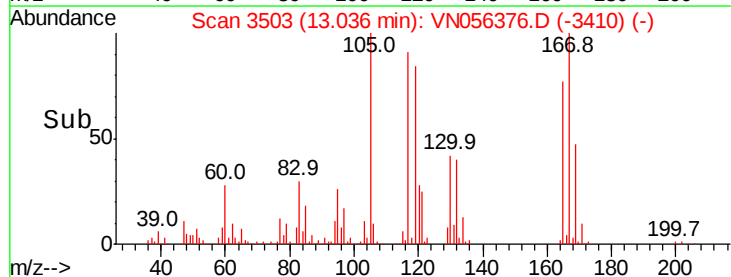
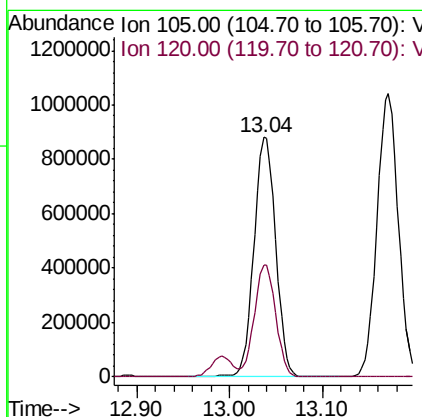
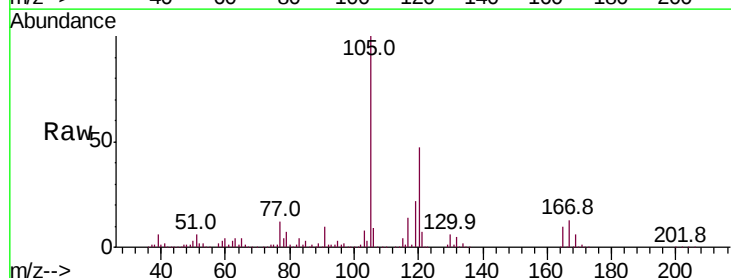
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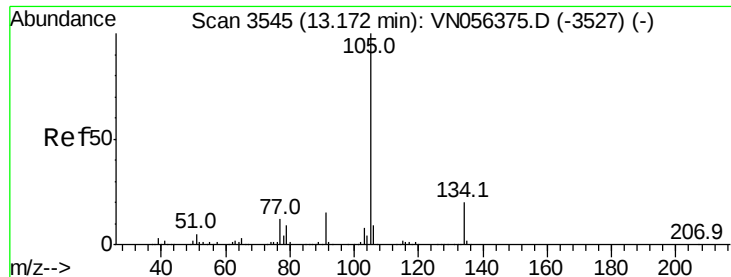
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#84
1,2,4-Trimethylbenzene
Concen: 92.317 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion:105 Resp: 1434476
Ion Ratio Lower Upper
105 100
120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 88.188 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1660043

Ion Ratio Lower Upper

105 100

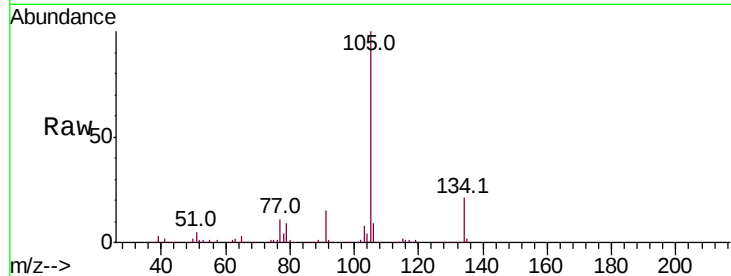
134 20.6 10.2 30.4

Manual Integrations

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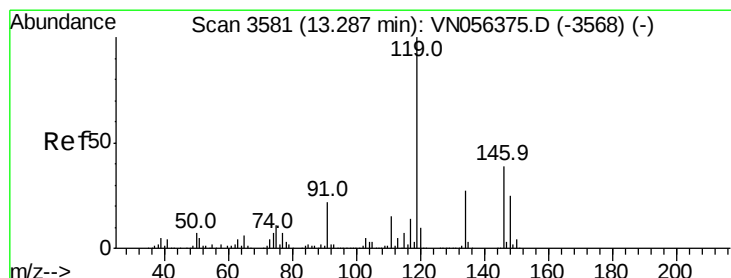
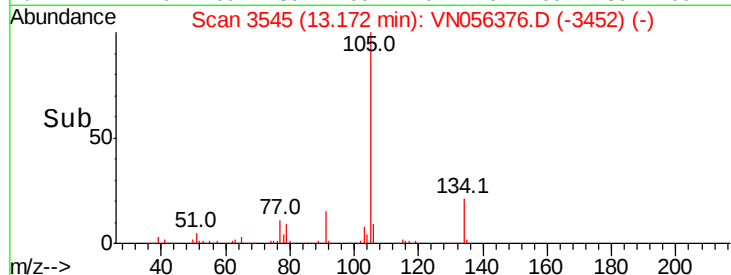
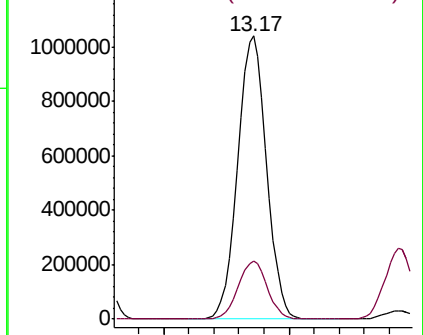
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 93.678 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056376.D

Acq: 19 Jun 2019 10:26

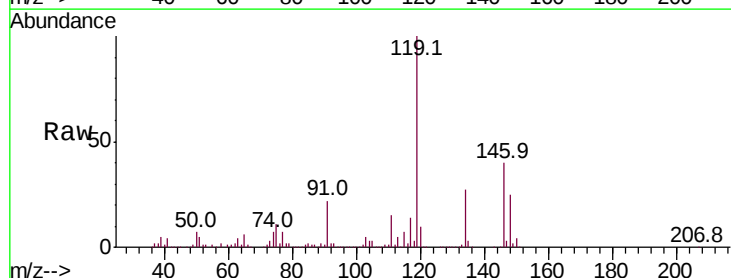
Tgt Ion:119 Resp: 1508563

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

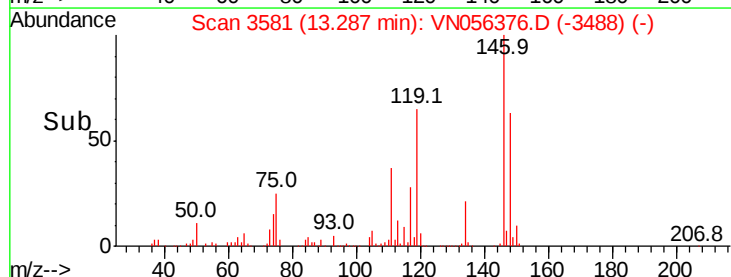
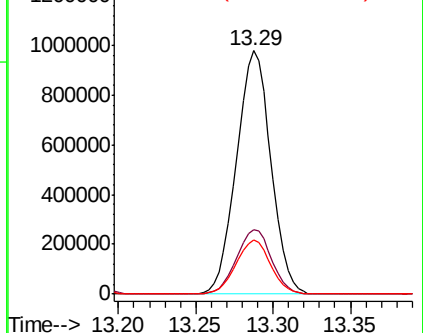
91 22.1 11.2 33.5

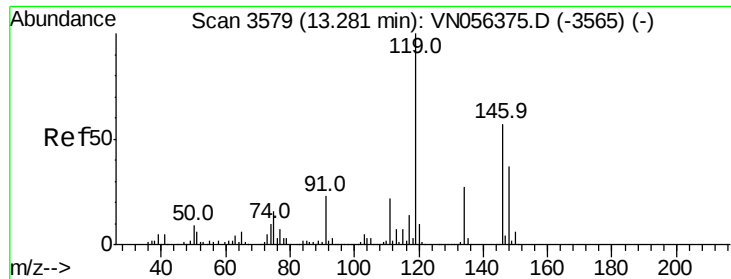


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





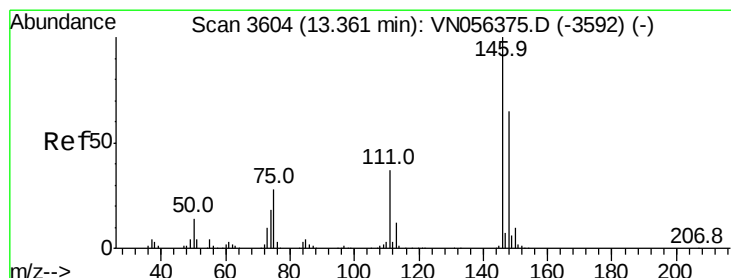
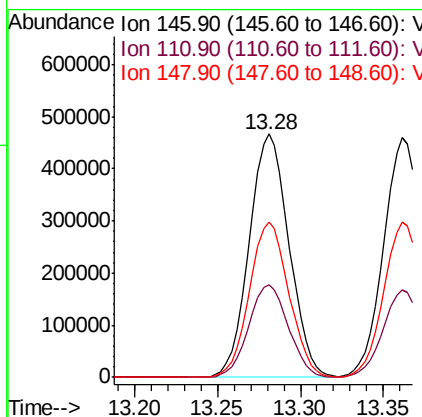
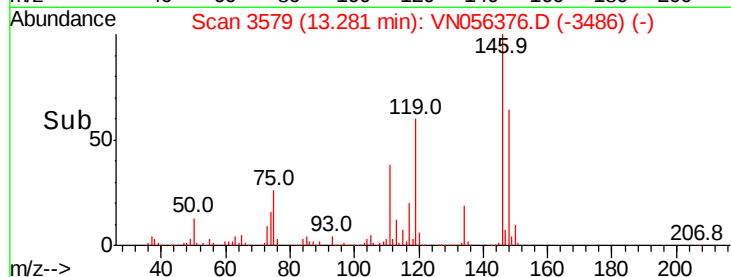
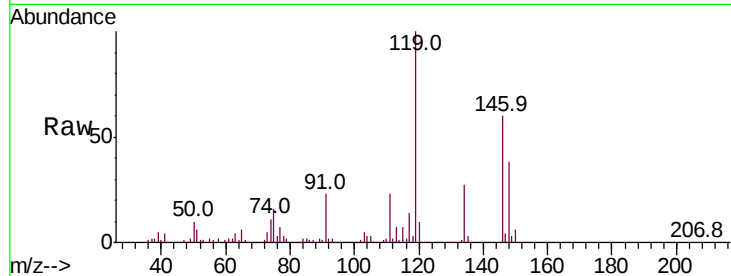
#87
 1,3-Dichlorobenzene
 Concen: 95.576 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.2	32.1	96.5

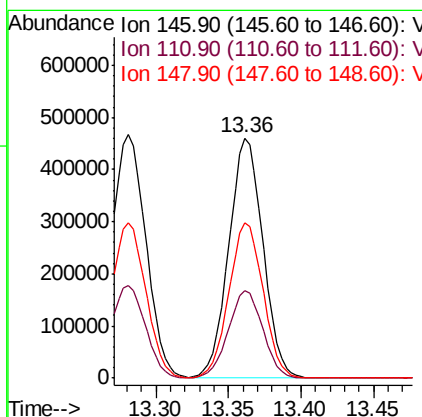
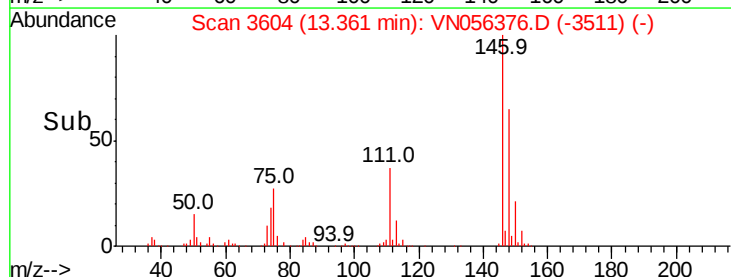
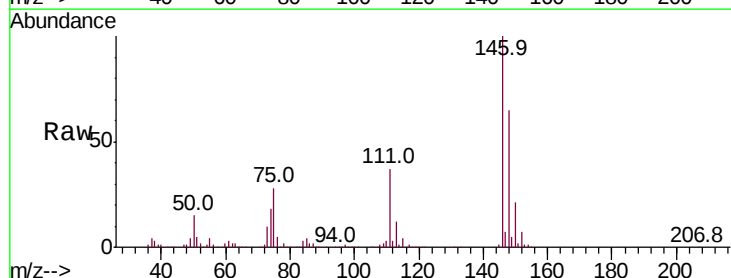
Manual Integrations
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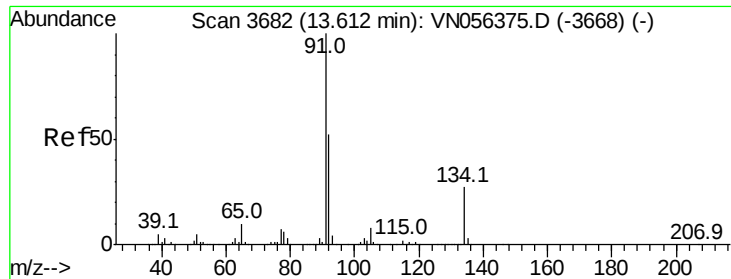
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#88
 1,4-Dichlorobenzene
 Concen: 96.271 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.4
148	64.9	32.4	97.0





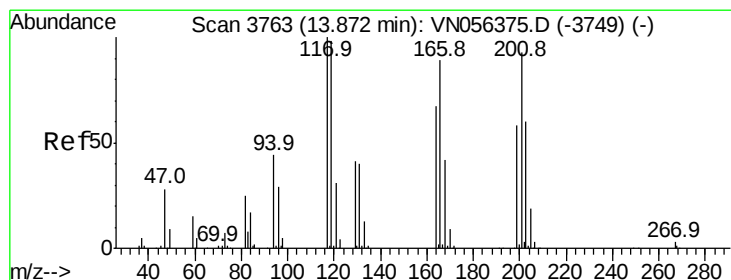
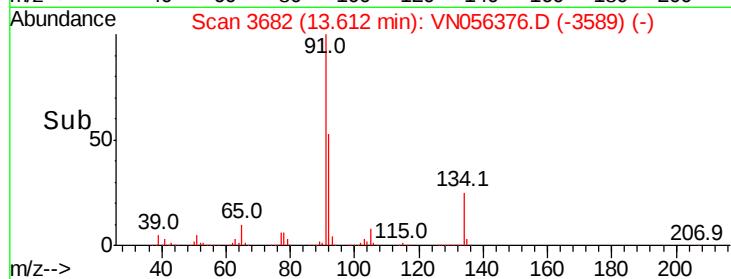
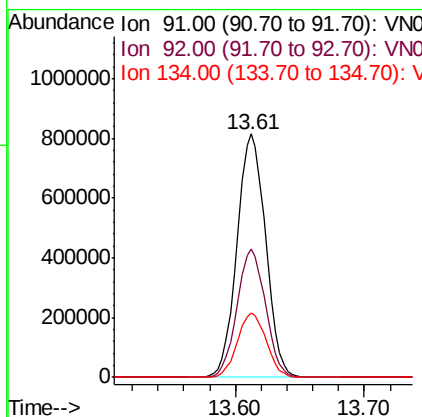
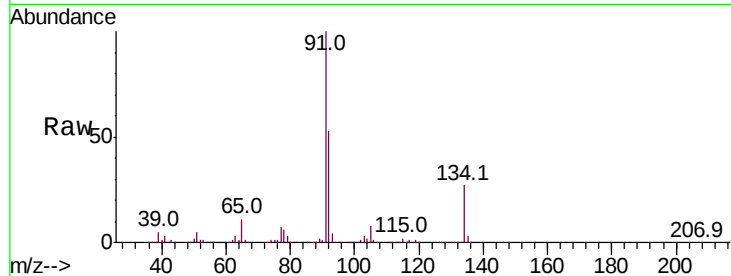
#89
n-Butylbenzene
Concen: 103.983 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	26.7	13.4	40.2

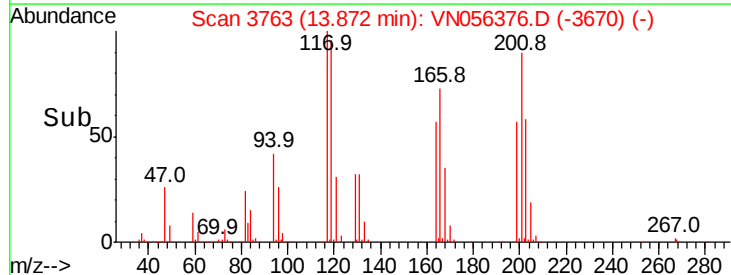
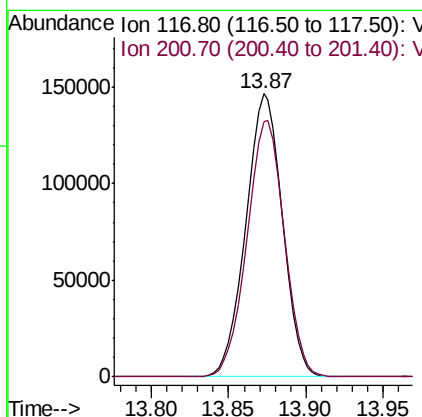
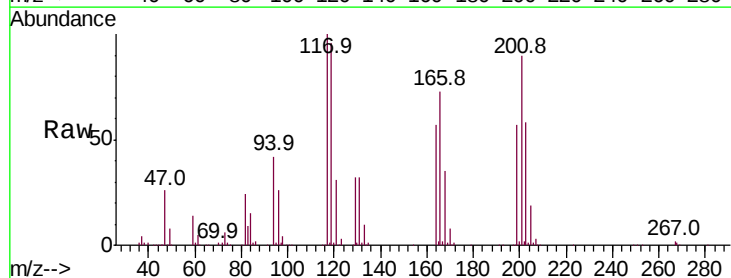
Manual Integrations
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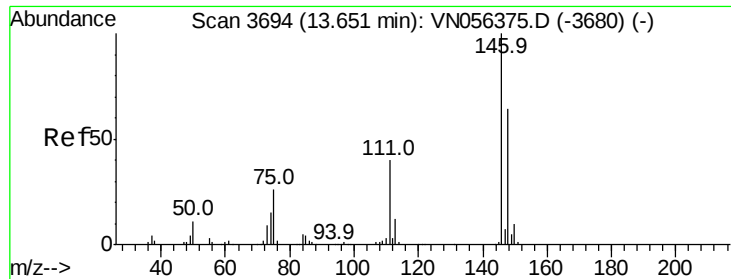
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#90
Hexachloroethane
Concen: 78.376 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.2	45.9	137.6





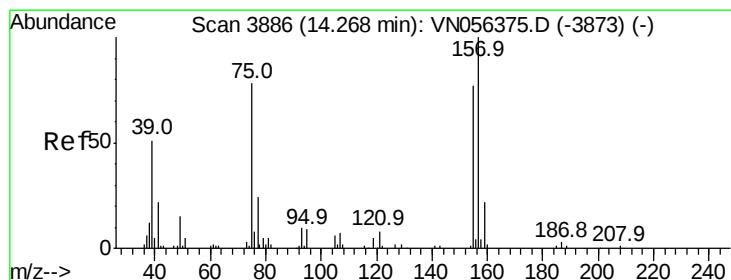
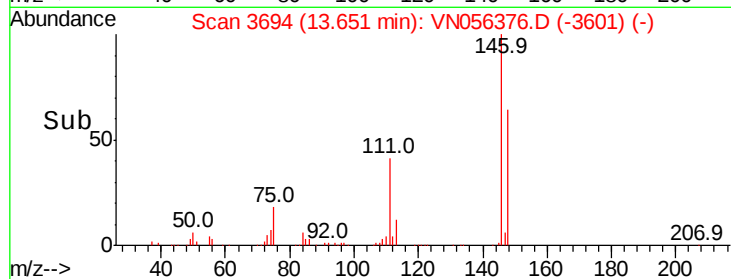
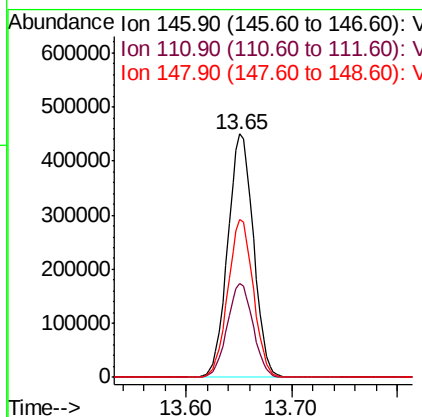
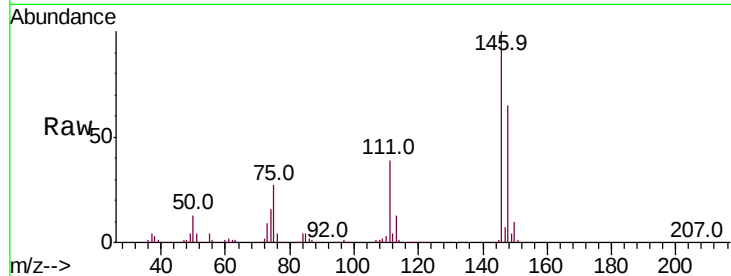
#91
1,2-Dichlorobenzene
Concen: 94.640 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	64.2	32.0	96.0

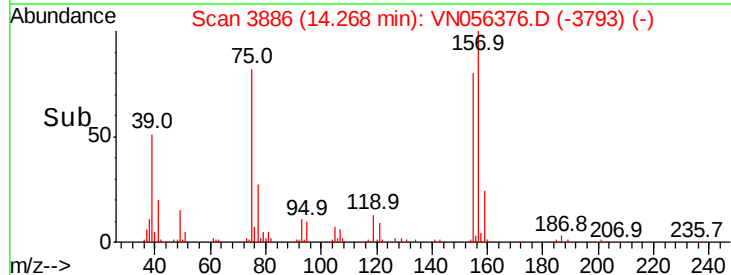
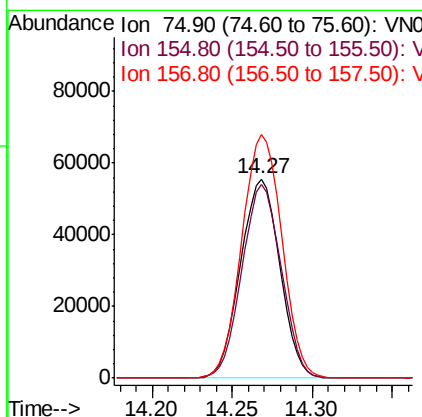
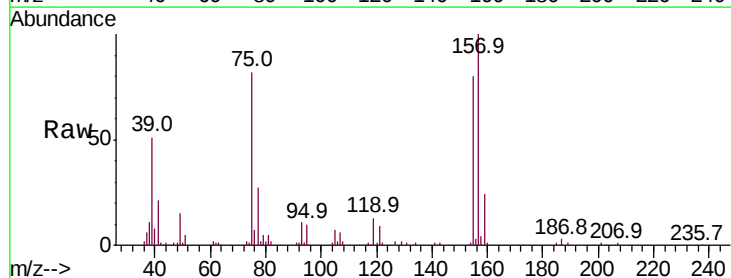
Manual Integrations
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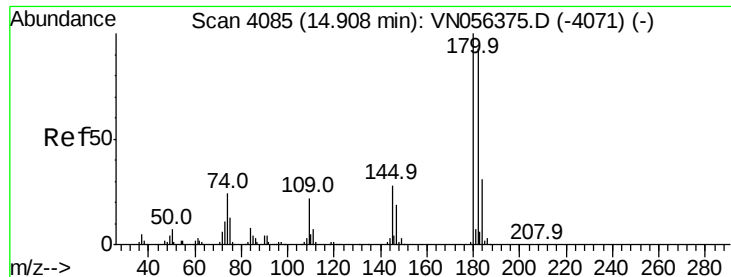
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#92
1,2-Dibromo-3-Chloropropane
Concen: 91.740 ug/l
RT: 14.27 min Scan# 3886
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	48.9	146.8
157	124.5	62.9	188.8





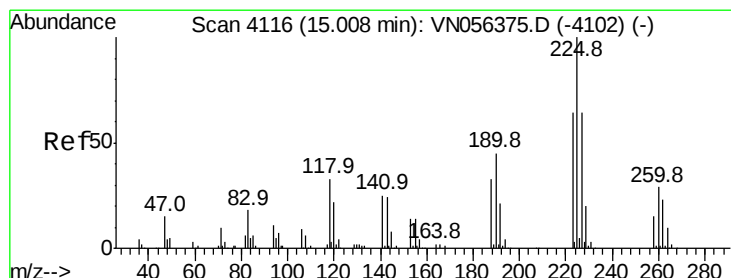
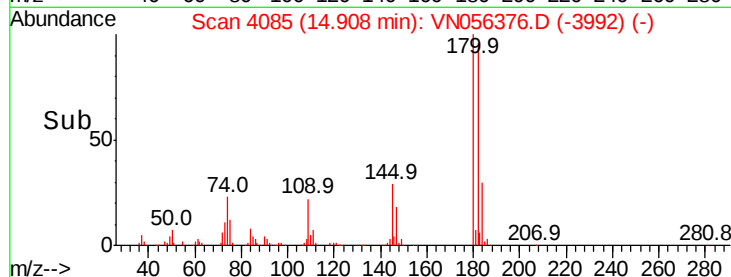
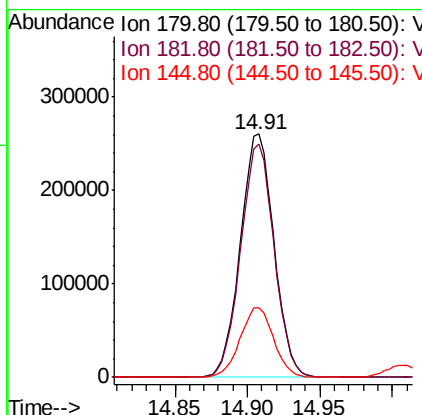
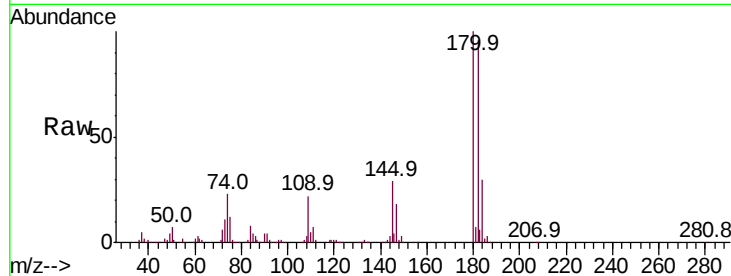
#93
 1,2,4-Trichlorobenzene
 Concen: 124.989 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	420207		
182	95.4	46.9	140.6	
145	28.5	14.4	43.0	

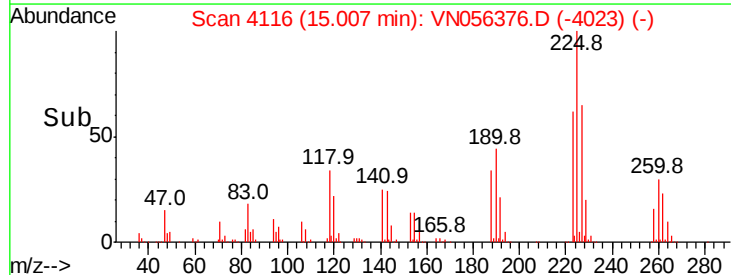
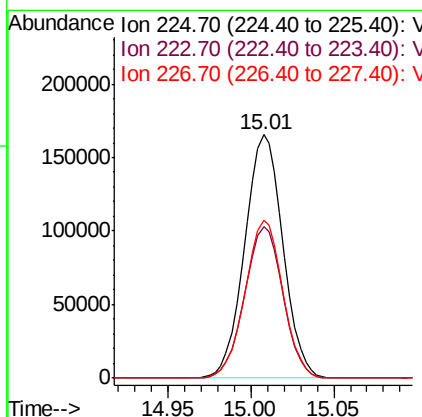
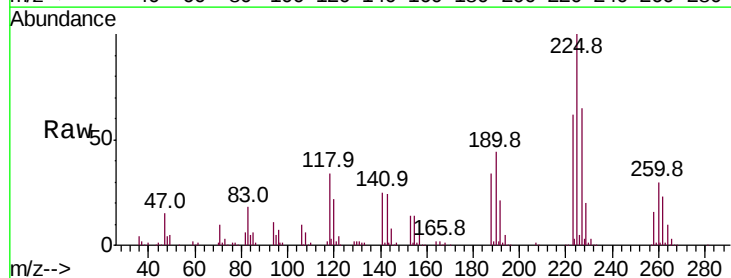
Manual Integrations
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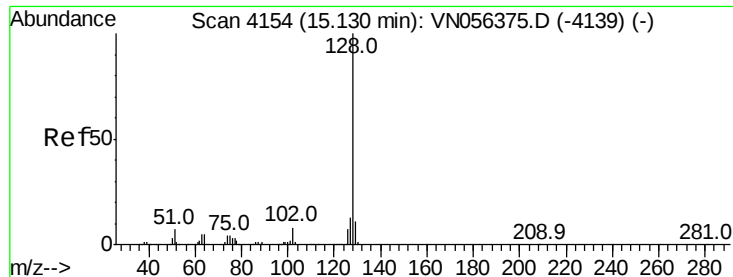
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#94
 Hexachlorobutadiene
 Concen: 83.038 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056376.D
 Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	264957		
223	62.6	31.4	94.3	
227	64.3	32.1	96.3	





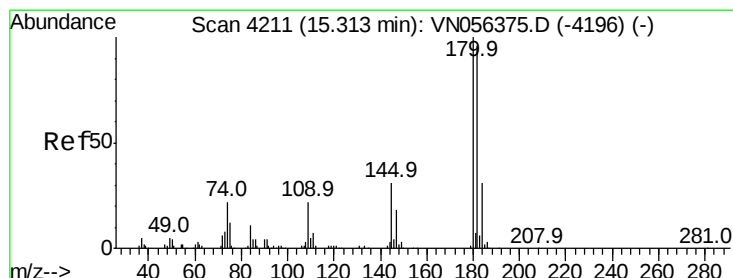
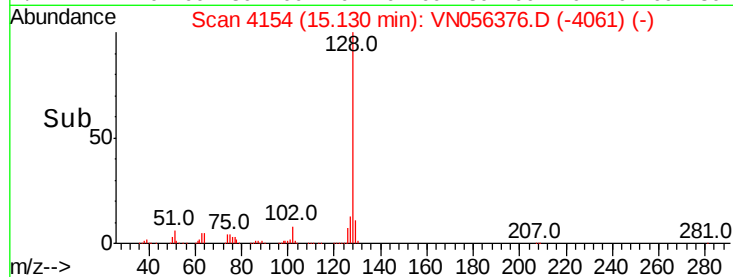
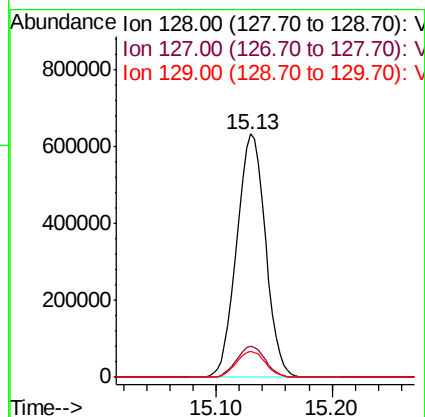
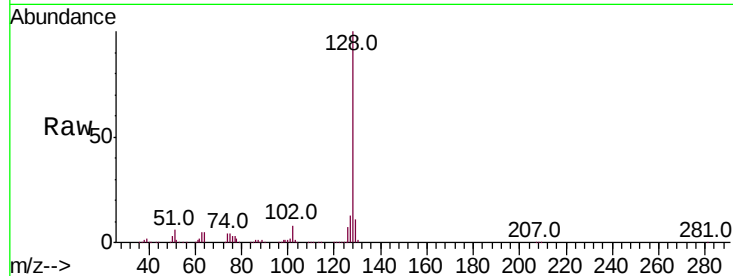
#95
Naphthalene
Concen: 119.707 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 119.158 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056376.D
Acq: 19 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.3	144.8
145	30.4	15.4	46.1

