

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067913.D
 Acq On : 26 Jul 2021 17:40
 Operator : JC/MD
 Sample : M3147-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

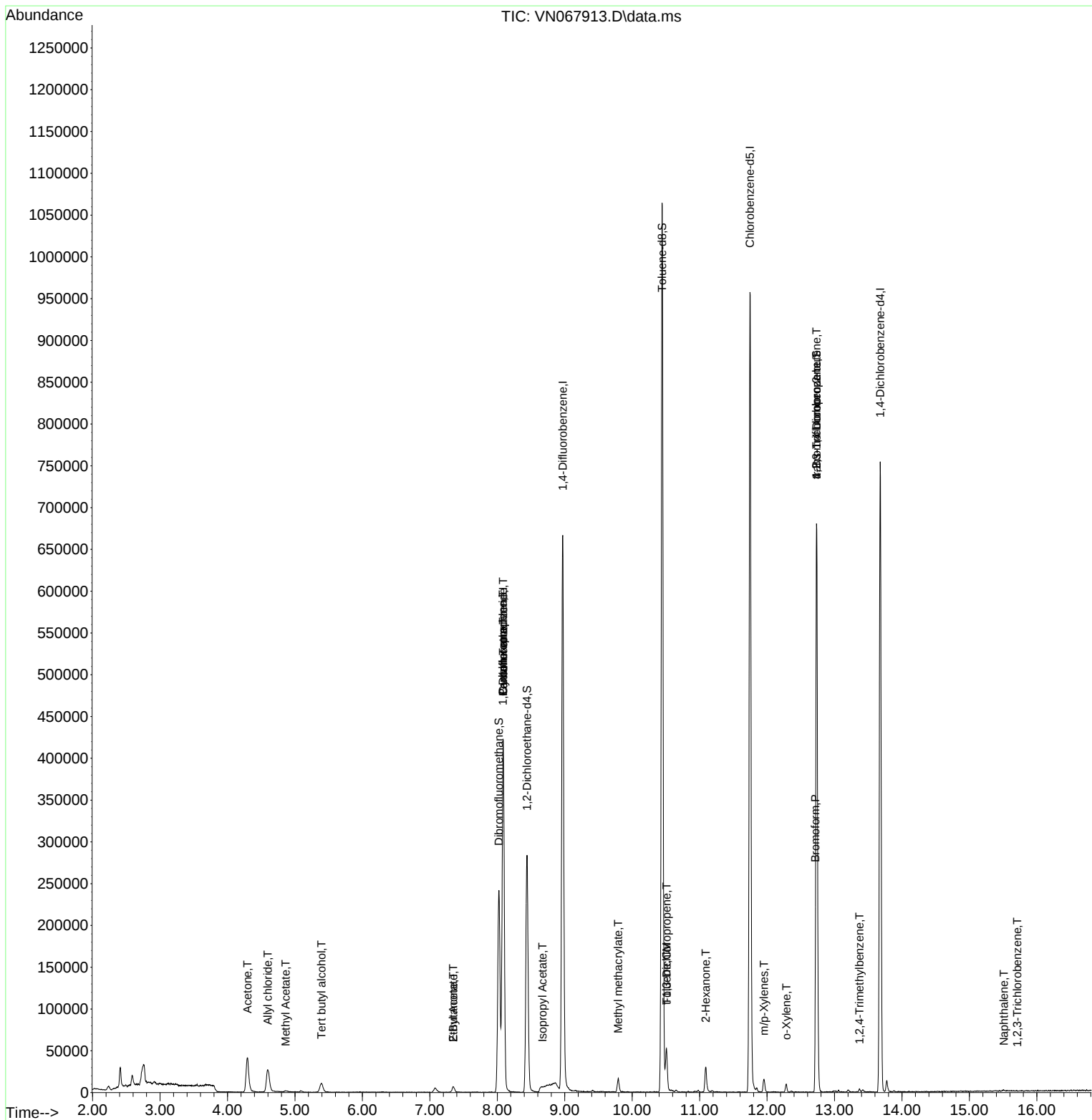
Quant Time: Jul 27 01:31:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

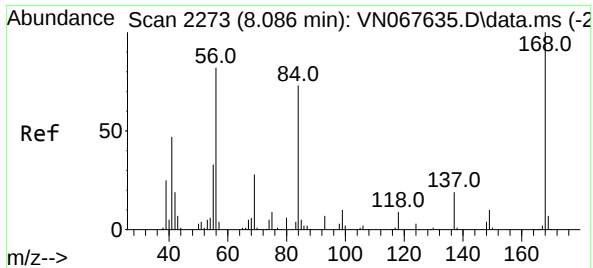
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	301922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	580140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	554219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	195917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	244354	53.552	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.100%			
35) Dibromofluoromethane	8.024	113	178634	50.964	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.920%			
50) Toluene-d8	10.443	98	738873	50.362	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.733	95	242148	46.722	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.440%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.821	94	82	Below Cal	#	4
6) Chloroethane	2.923	64	104	Below Cal	#	44
11) Tert butyl alcohol	5.393	59	18165	27.703	ug/l #	74
13) Acrolein	4.033	56	56	Below Cal	#	14
14) Allyl chloride	4.596	41	4479	0.908	ug/l #	71
16) Acetone	4.296	43	78466	54.650	ug/l	98
18) Methyl Acetate	4.862	43	2042	0.506	ug/l #	75
20) Methylene Chloride	5.098	84	434	Below Cal	#	54
25) 2-Butanone	7.348	43	9924	4.162	ug/l #	84
31) Cyclohexane	8.086	56	8528	1.333	ug/l #	23
36) 1,1-Dichloropropene	8.083	75	27386	5.082	ug/l #	45
37) Ethyl Acetate	7.348	43	9924	1.901	ug/l #	69
38) Carbon Tetrachloride	8.088	117	33732	6.346	ug/l #	17
43) Isopropyl Acetate	8.670	43	6825	0.743	ug/l #	58
48) Methyl methacrylate	9.794	41	6417	1.580	ug/l #	37
52) Toluene	10.510	92	20247	1.916	ug/l	99
53) t-1,3-Dichloropropene	10.510	75	182	1.770	ug/l #	1
59) 2-Hexanone	11.092	43	22790	5.786	ug/l	99
68) m/p-Xylenes	11.956	106	5598	0.714	ug/l	77
69) o-Xylene	12.286	106	2578	0.335	ug/l	89
71) Bromoform	12.717	173	183	3.224	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	135153	33.780	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	135153	108.910	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.369	105	2579	0.205	ug/l	87
95) Naphthalene	15.512	128	1831	3.192	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.710	180	53	2.649	ug/l #	82

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

Quant Time: Jul 27 01:31:32 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration

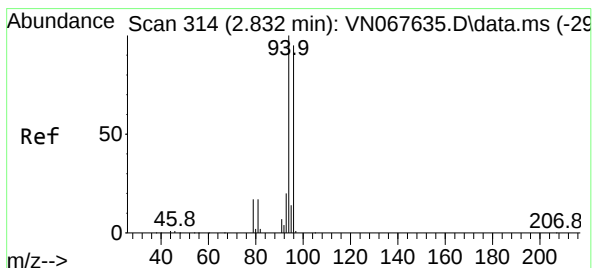
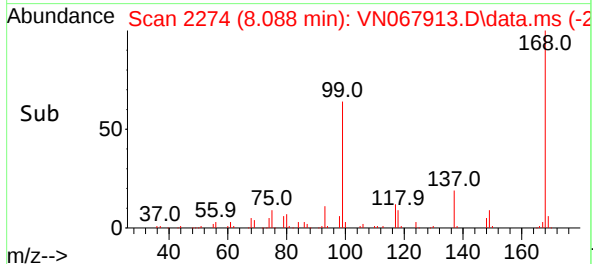
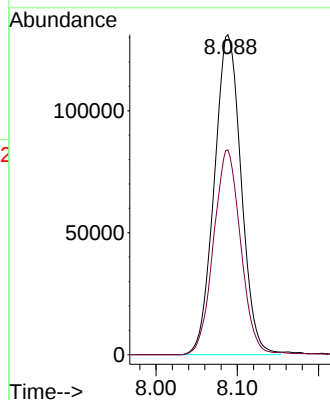
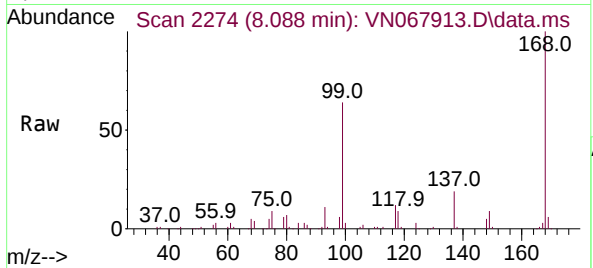




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

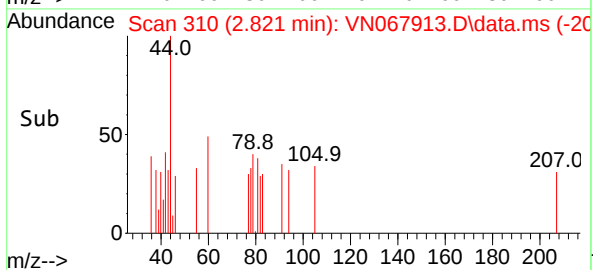
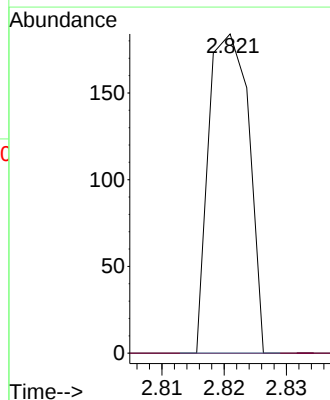
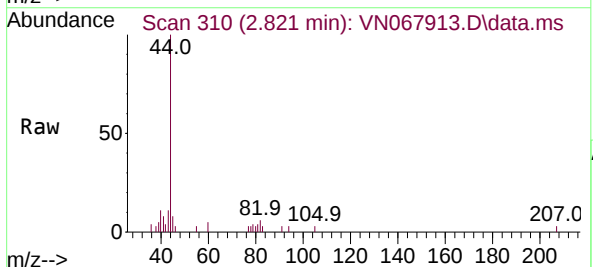
Instrument :
MSVOA_N
ClientSampleId :

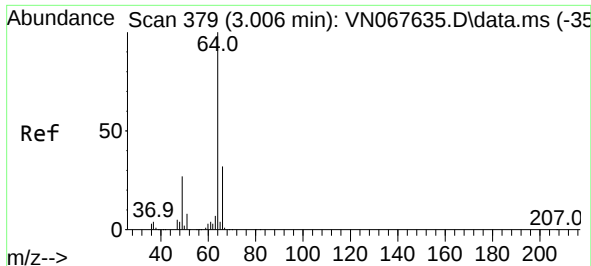
Tgt Ion:168 Resp: 301922
Ion Ratio Lower Upper
168 100
99 64.0 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.821 min Scan# 310
Delta R.T. -0.011 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion: 94 Resp: 82
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

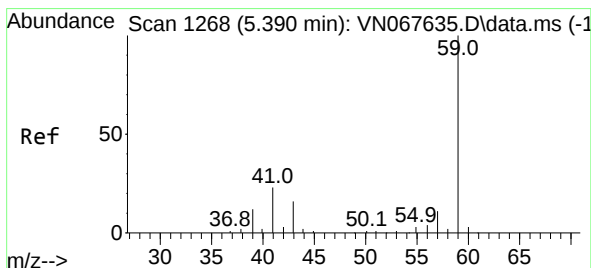
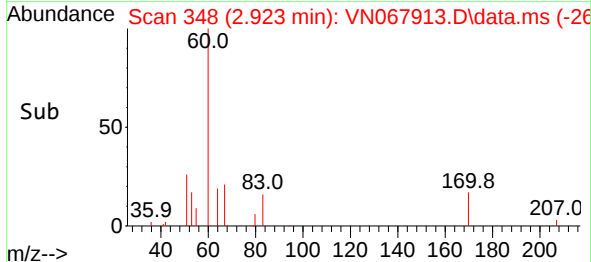
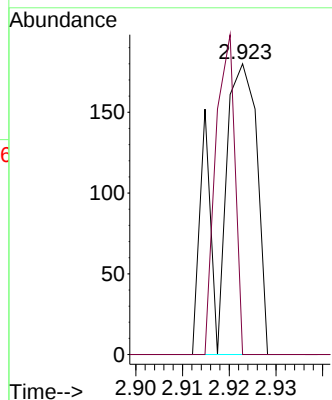
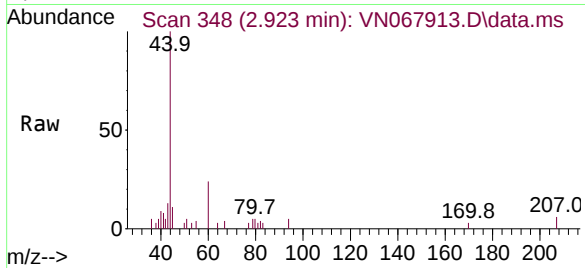




#6
Chloroethane
Concen: Below Cal
RT: 2.923 min Scan# 348
Delta R.T. -0.083 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

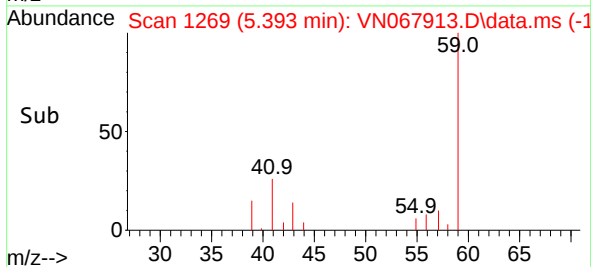
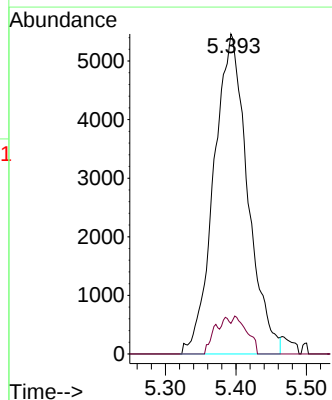
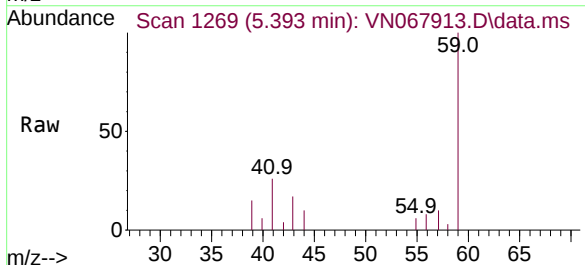
Instrument :
MSVOA_N
ClientSampled :

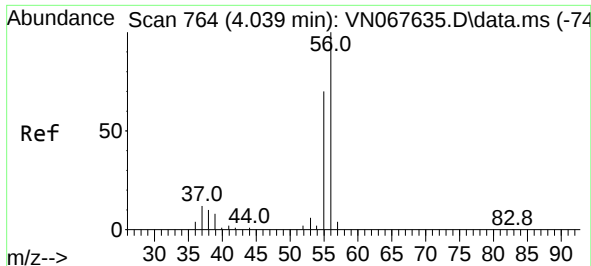
Tgt Ion: 64 Resp: 104
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 27.703 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion: 59 Resp: 18165
Ion Ratio Lower Upper
59 100
57 1.0 8.7 13.1#

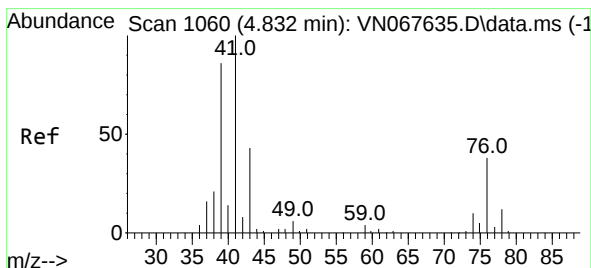
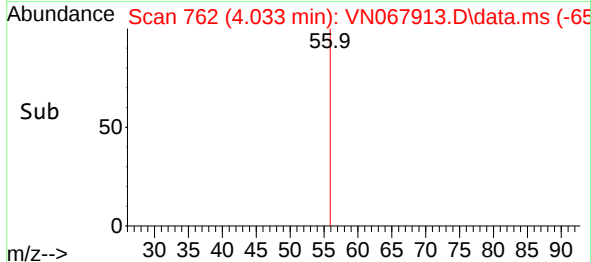
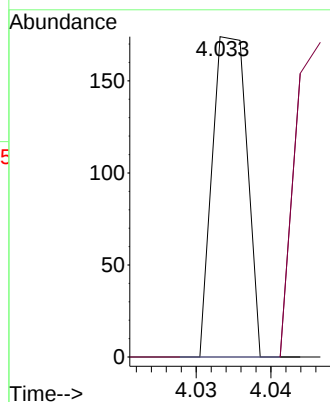
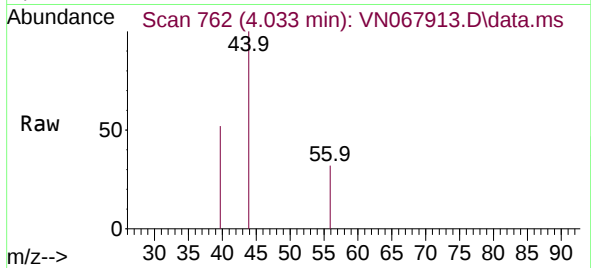




#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

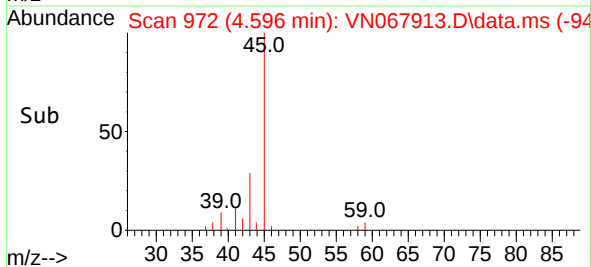
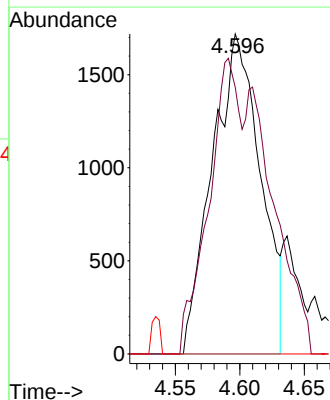
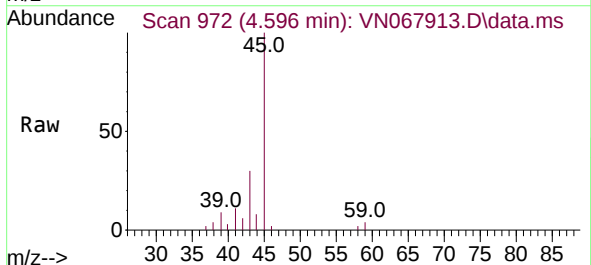
Instrument :
MSVOA_N
ClientSampled :

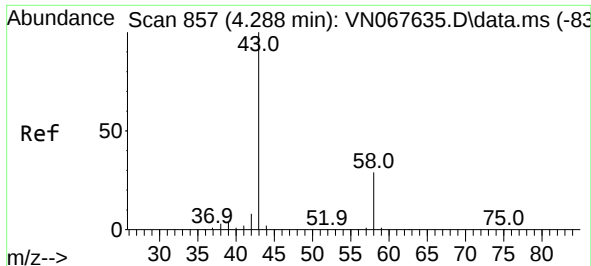
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#14
Allyl chloride
Concen: 0.908 ug/l
RT: 4.596 min Scan# 972
Delta R.T. -0.236 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion: 41 Resp: 4479
Ion Ratio Lower Upper
41 100
39 60.0 60.9 91.3#
76 0.0 24.3 36.5#

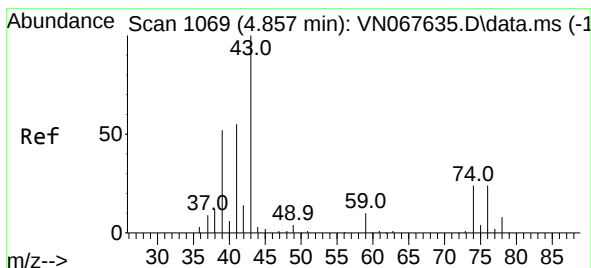
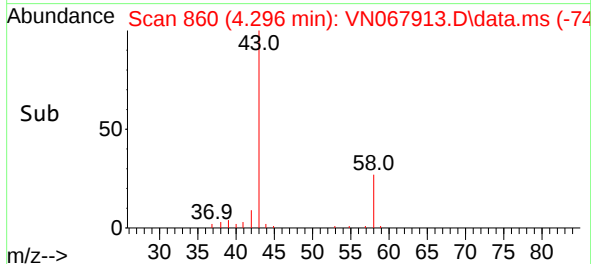
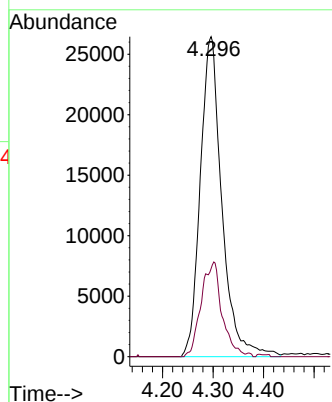
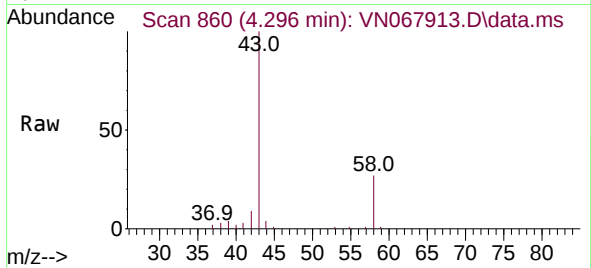




#16
Acetone
Concen: 54.650 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

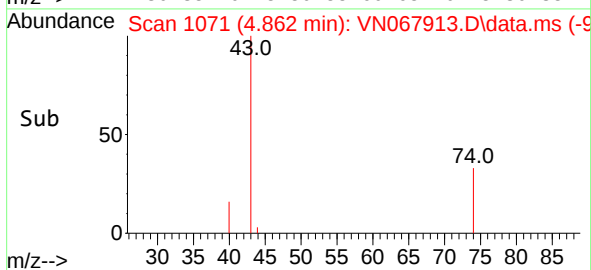
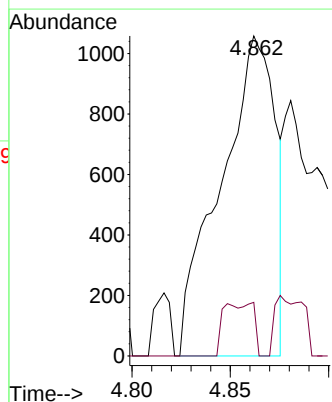
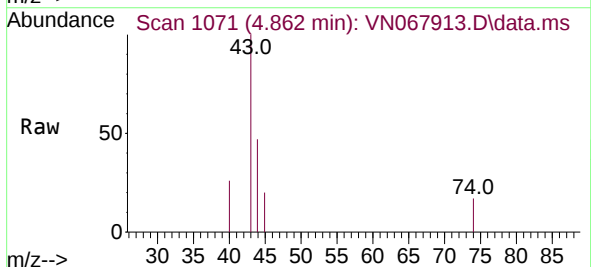
Instrument :
MSVOA_N
ClientSampleId :

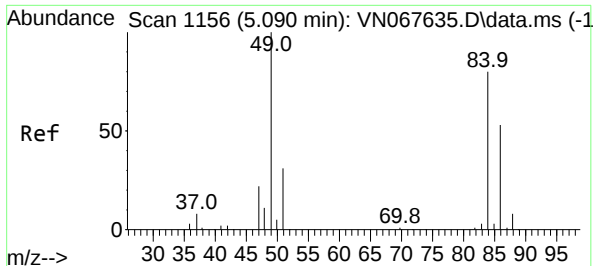
Tgt Ion: 43 Resp: 78466
Ion Ratio Lower Upper
43 100
58 27.5 21.2 31.8



#18
Methyl Acetate
Concen: 0.506 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

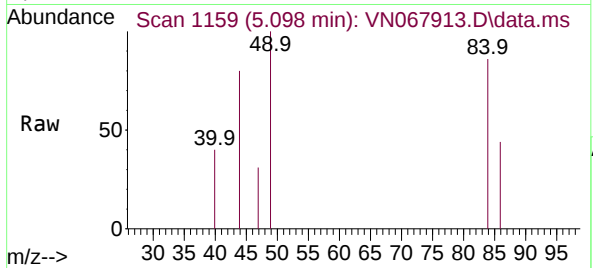
Tgt Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
74 9.7 17.4 26.0#



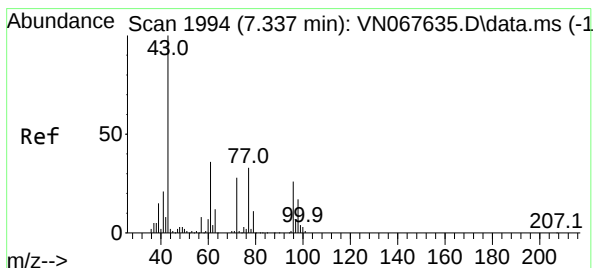
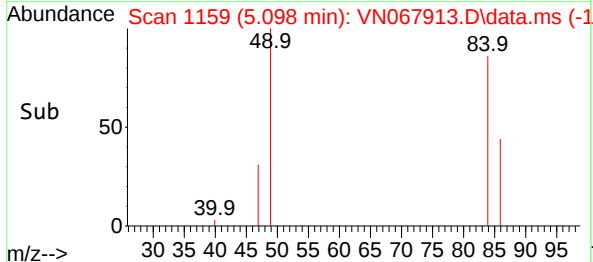
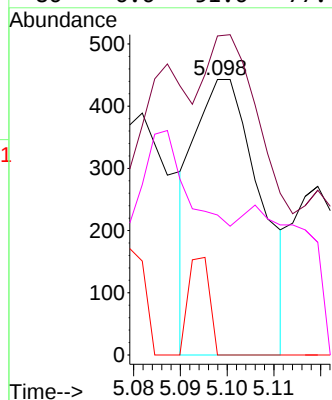


#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. 0.008 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Instrument :
MSVOA_N
ClientSampled :

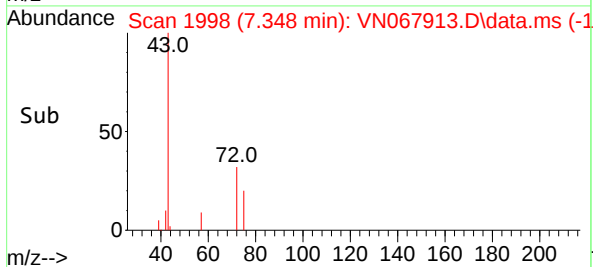
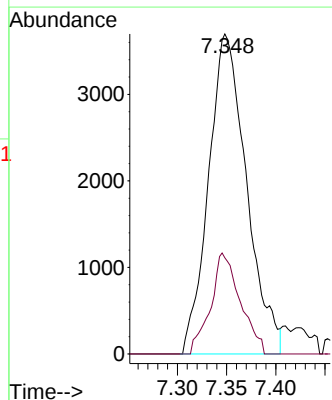
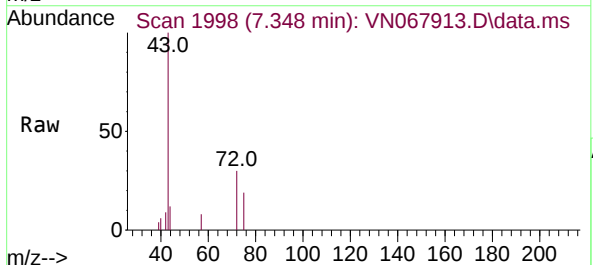


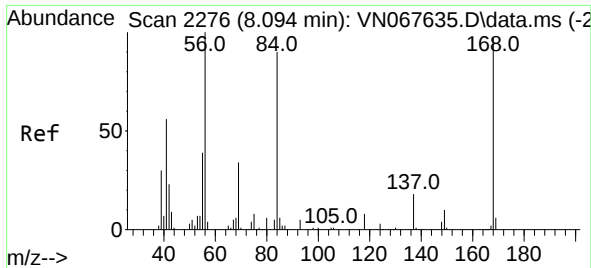
Tgt Ion:	84	Resp:	434
Ion	Ratio	Lower	Upper
84	100		
49	104.5	110.9	166.3#
51	0.0	32.6	49.0#
86	6.6	51.6	77.4#



#25
2-Butanone
Concen: 4.162 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion:	43	Resp:	9924
Ion	Ratio	Lower	Upper
43	100		
72	32.5	19.7	29.5#

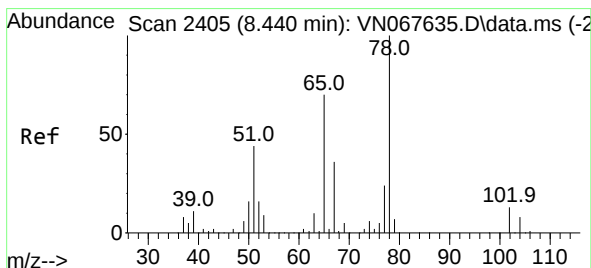
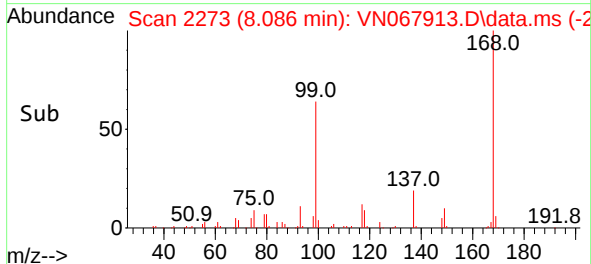
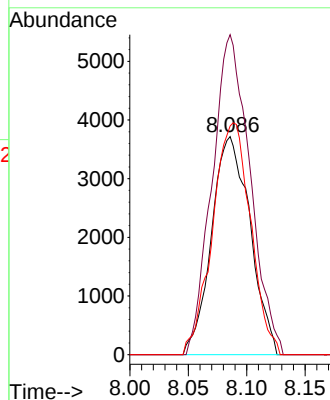
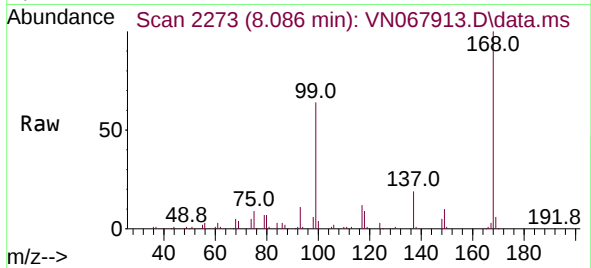




#31
Cyclohexane
Concen: 1.333 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

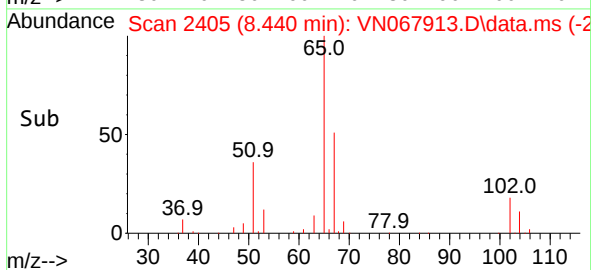
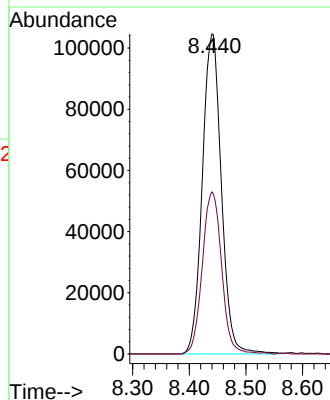
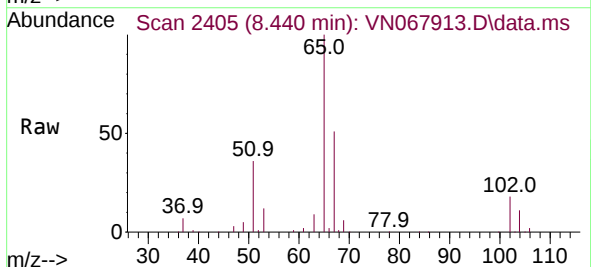
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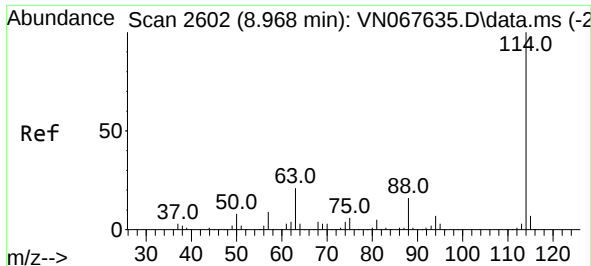
Tgt Ion:	56	Resp:	8528
Ion Ratio	Lower	Upper	
56	100		
69	146.7	27.3	40.9#
84	104.9	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.552 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion:	65	Resp:	244354
Ion Ratio	Lower	Upper	
65	100		
67	51.2	0.0	98.6

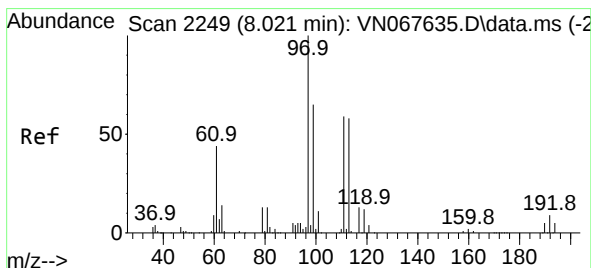
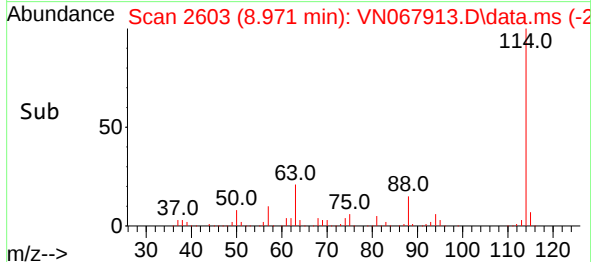
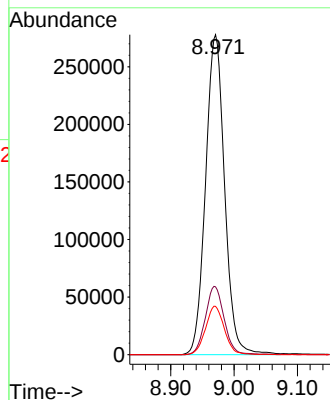
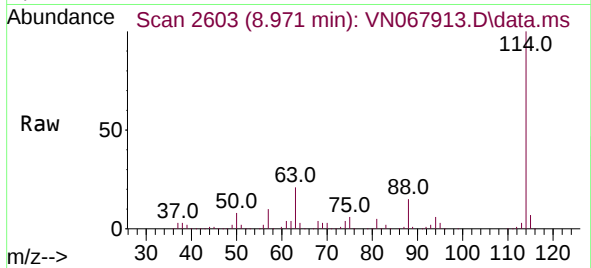




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

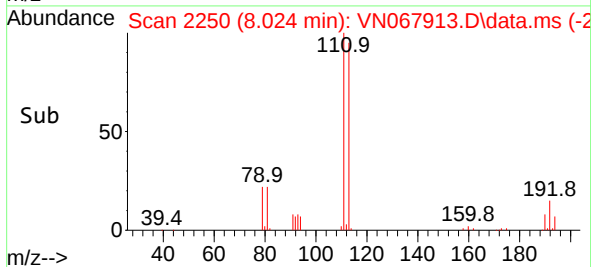
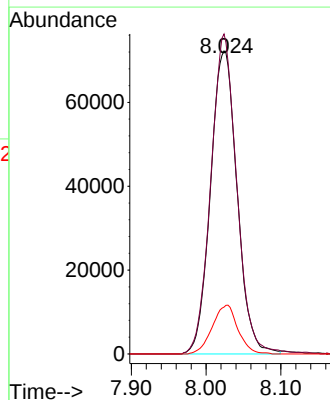
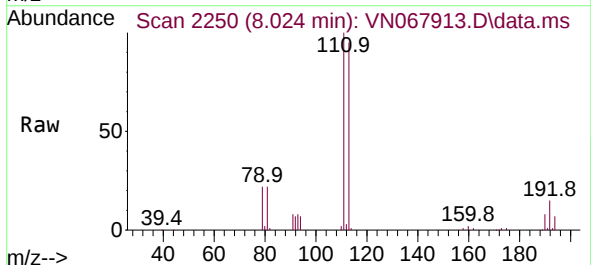
Instrument :
MSVOA_N
ClientSampled :

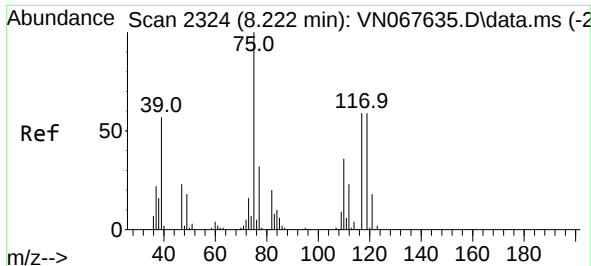
Tgt Ion:114 Resp: 580140
Ion Ratio Lower Upper
114 100
63 21.2 0.0 49.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.964 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion:113 Resp: 178634
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 15.6 13.4 20.0

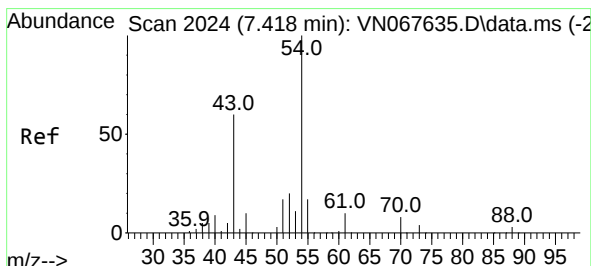
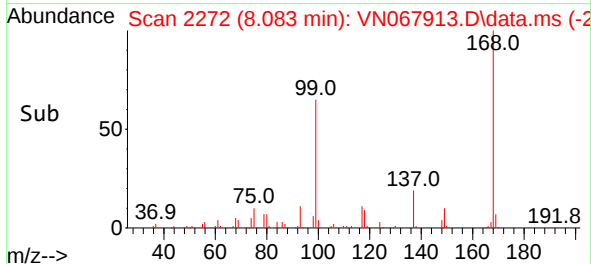
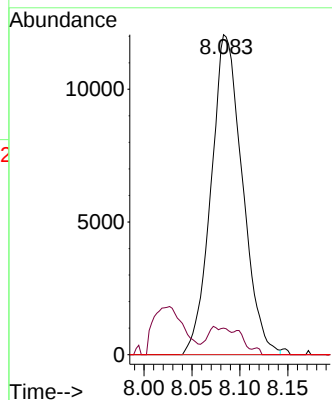
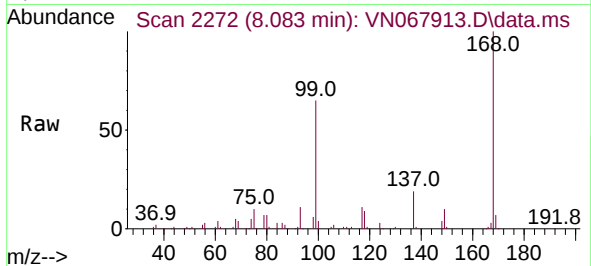




#36
1,1-Dichloropropene
Concen: 5.082 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

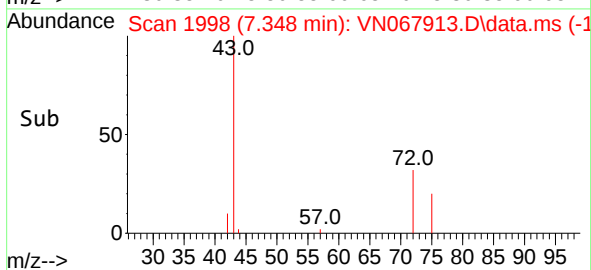
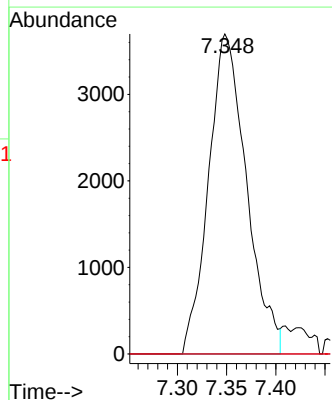
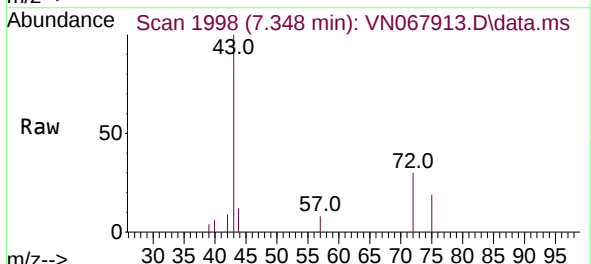
Instrument :
MSVOA_N
ClientSampleId :

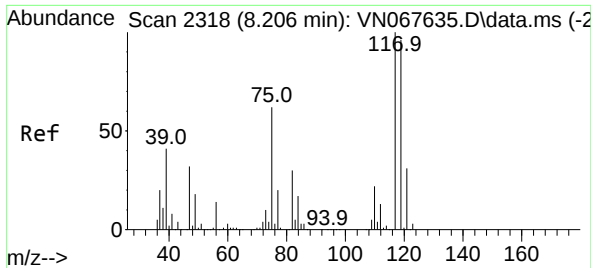
Tgt Ion: 75 Resp: 27386
Ion Ratio Lower Upper
75 100
110 1.8 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.901 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.070 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

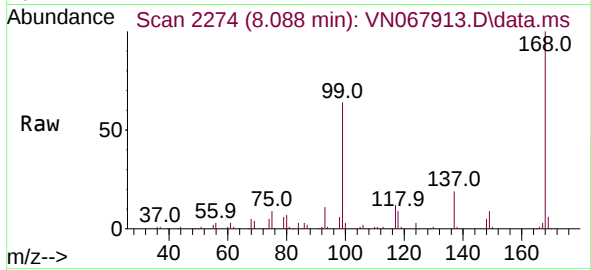
Tgt Ion: 43 Resp: 9924
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



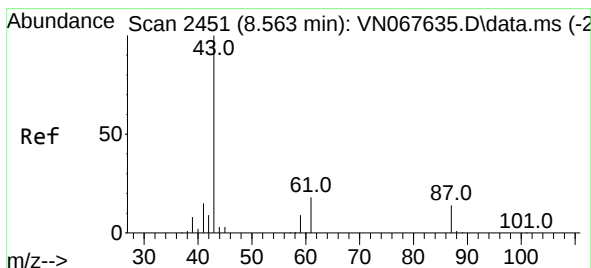
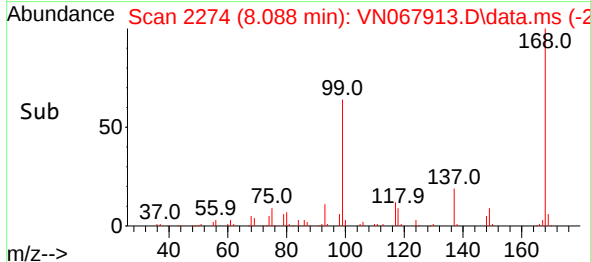
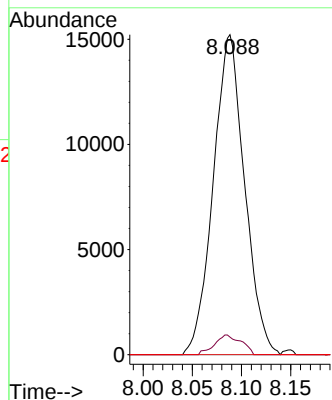


#38
Carbon Tetrachloride
Concen: 6.346 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Instrument :
MSVOA_N
ClientSampled :

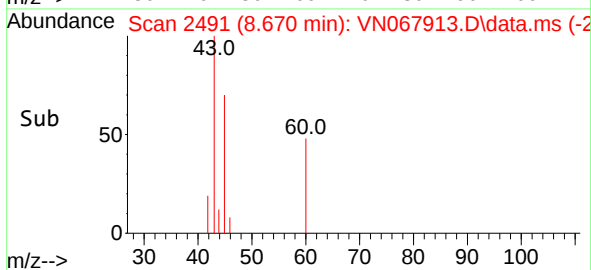
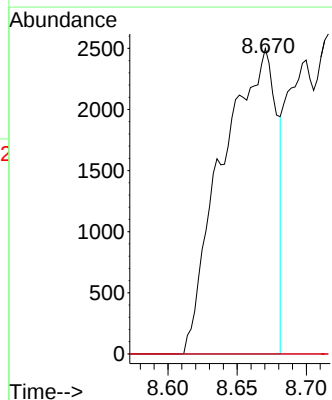
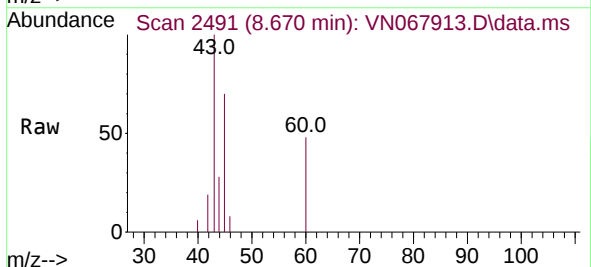


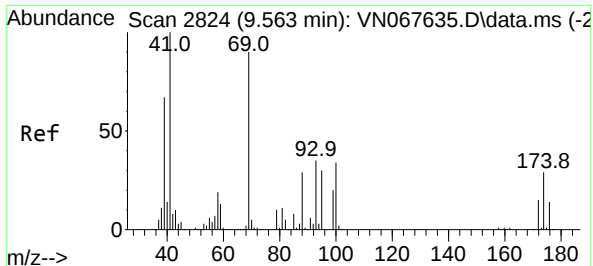
Tgt Ion:117 Resp: 33732
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.743 ug/l
RT: 8.670 min Scan# 2491
Delta R.T. 0.107 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion: 43 Resp: 6825
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#





#48

Methyl methacrylate

Concen: 1.580 ug/l

RT: 9.794 min Scan# 2910

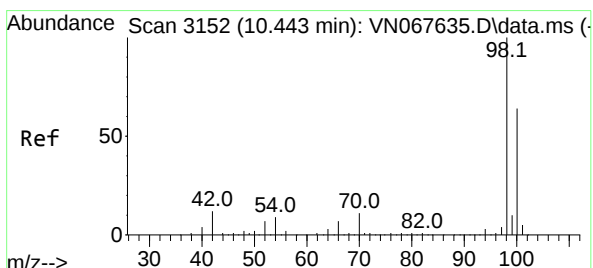
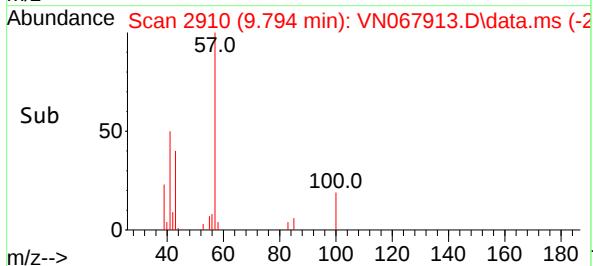
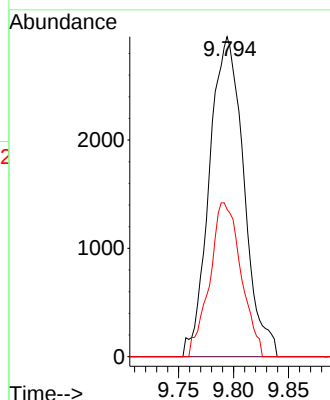
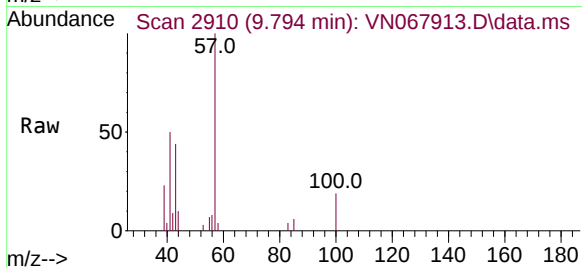
Delta R.T. 0.231 min

Lab File: VN067913.D

Acq: 26 Jul 2021 17:40

Tgt Ion: 41	Resp: 6417
Ion Ratio	Lower Upper
41 100	
69 0.0	64.6 96.8#
39 43.8	53.3 79.9#

Instrument :
MSVOA_N
ClientSampled :



#50

Toluene-d8

Concen: 50.362 ug/l

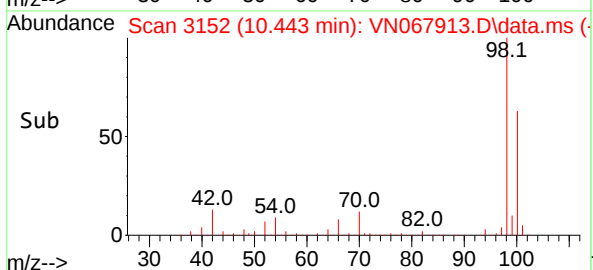
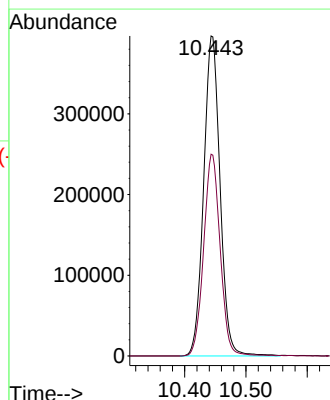
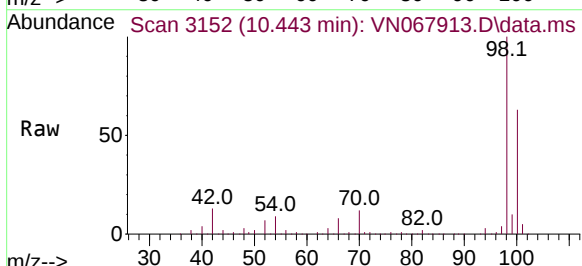
RT: 10.443 min Scan# 3152

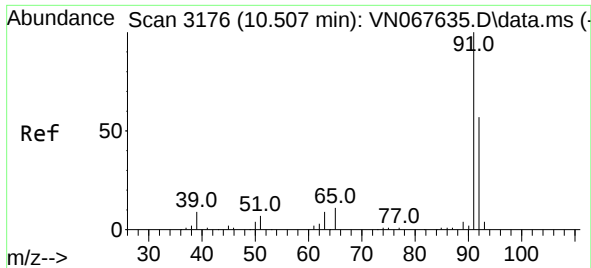
Delta R.T. 0.000 min

Lab File: VN067913.D

Acq: 26 Jul 2021 17:40

Tgt Ion: 98	Resp: 738873
Ion Ratio	Lower Upper
98 100	
100 63.3	51.7 77.5

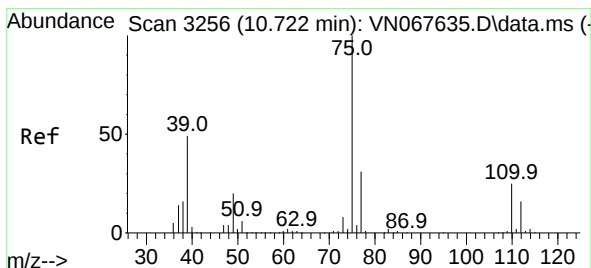
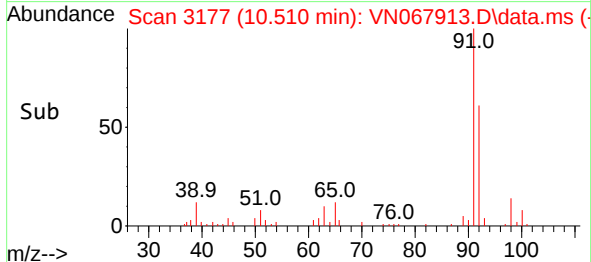
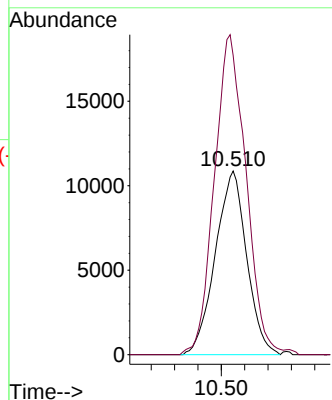
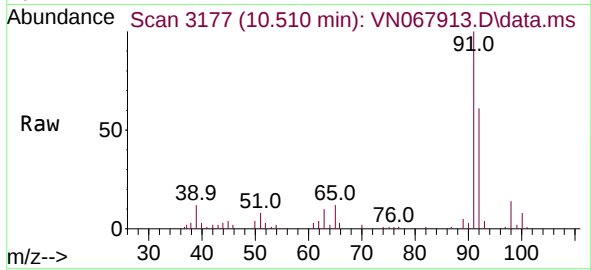




#52
Toluene
Concen: 1.916 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

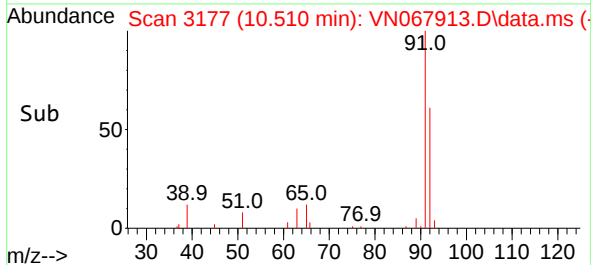
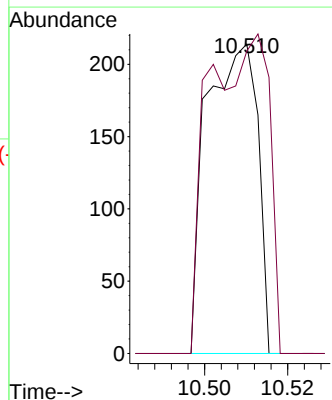
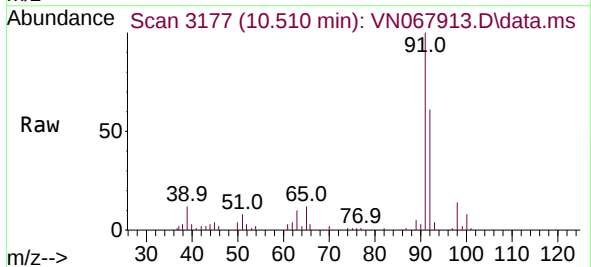
Instrument :
MSVOA_N
ClientSampled :

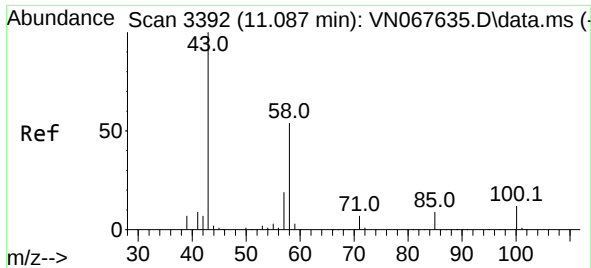
Tgt Ion: 92 Resp: 20247
Ion Ratio Lower Upper
92 100
91 175.9 139.6 209.4



#53
t-1,3-Dichloropropene
Concen: 1.770 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. -0.212 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion: 75 Resp: 182
Ion Ratio Lower Upper
75 100
77 97.7 25.1 37.7#

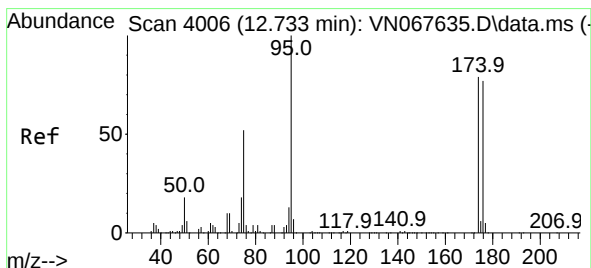
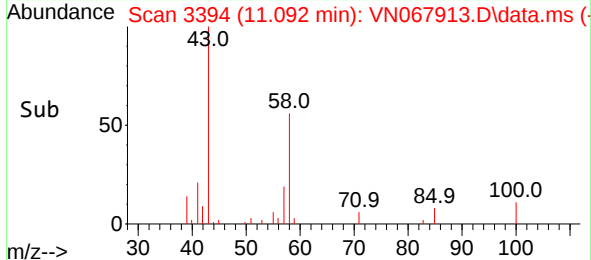
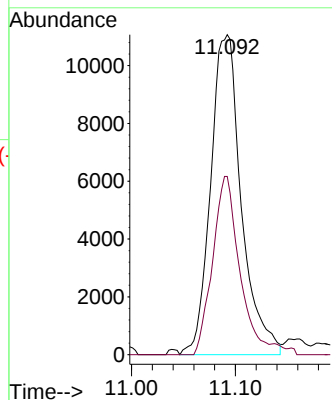
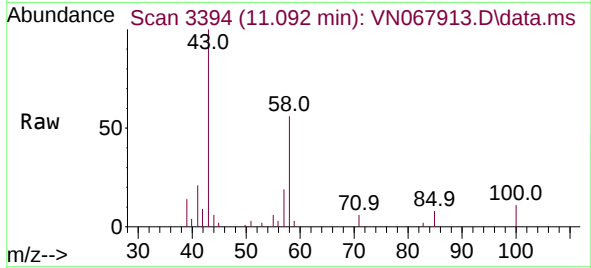




#59
2-Hexanone
Concen: 5.786 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

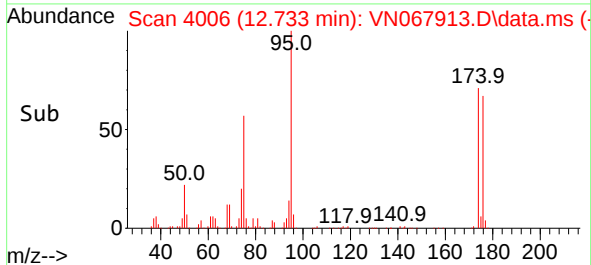
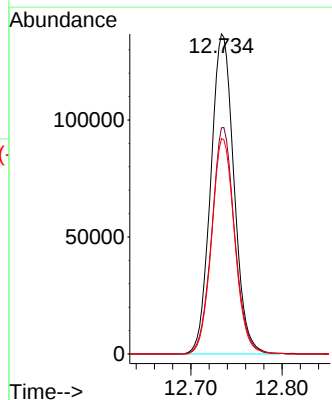
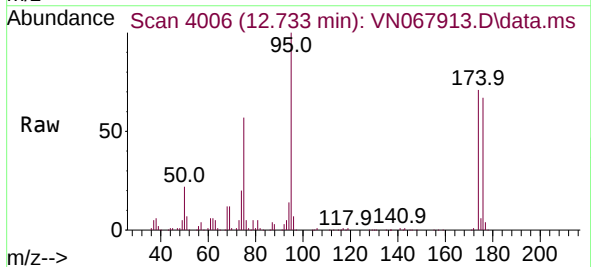
Instrument :
MSVOA_N
ClientSampleId :

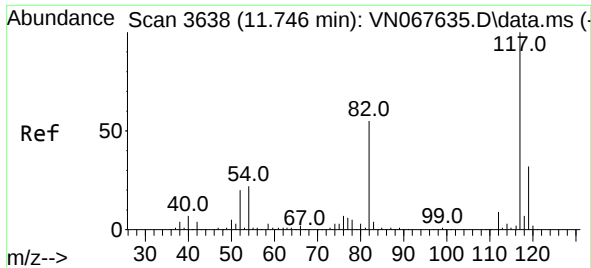
Tgt Ion: 43 Resp: 22790
Ion Ratio Lower Upper
43 100
58 50.0 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 46.722 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion: 95 Resp: 242148
Ion Ratio Lower Upper
95 100
174 70.0 0.0 122.0
176 66.8 0.0 117.6

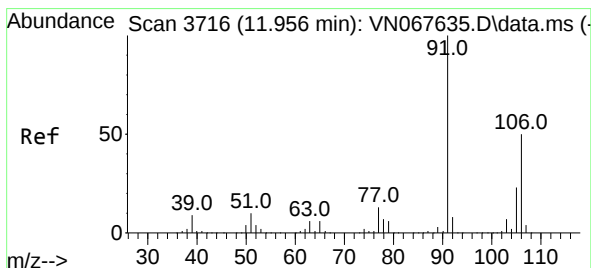
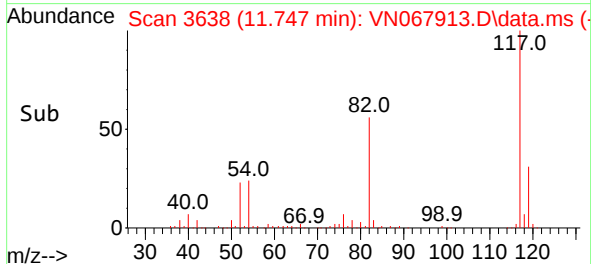
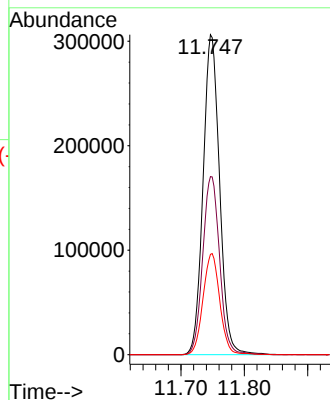
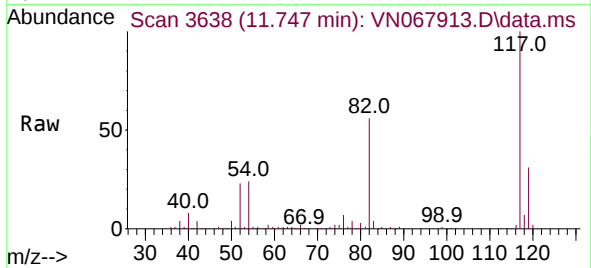




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

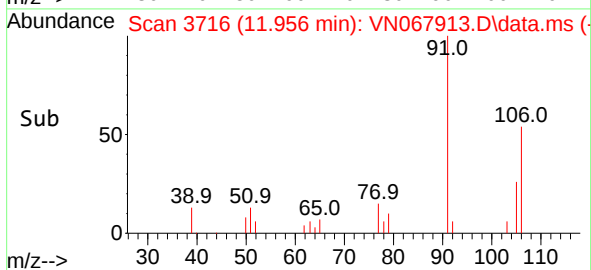
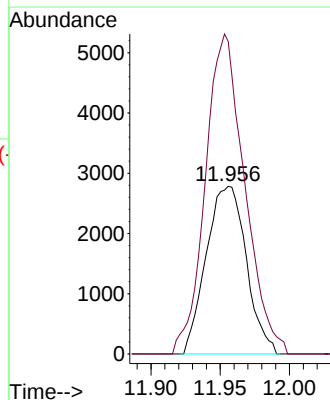
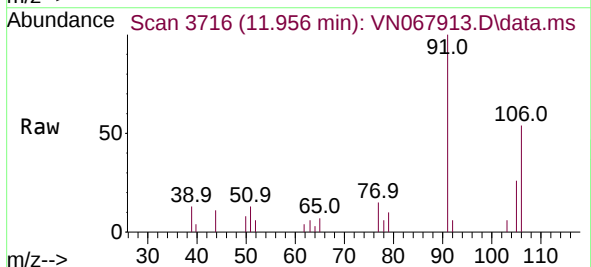
Instrument :
MSVOA_N
ClientSampleId :

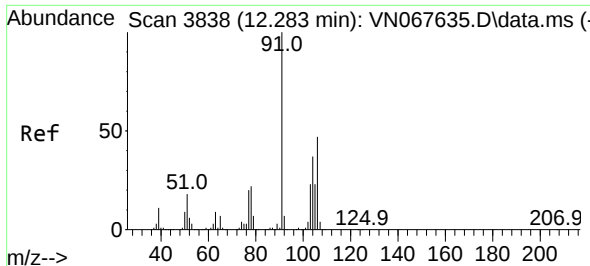
Tgt Ion:117 Resp: 554219
Ion Ratio Lower Upper
117 100
82 55.6 53.1 79.7
119 31.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.714 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion:106 Resp: 5598
Ion Ratio Lower Upper
106 100
91 187.4 180.6 270.8

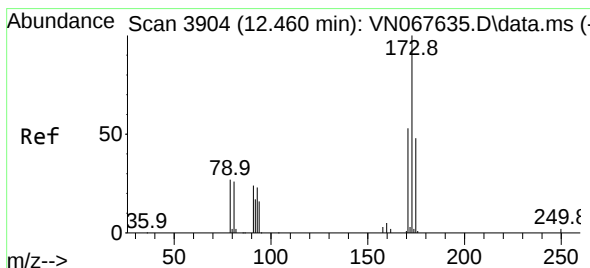
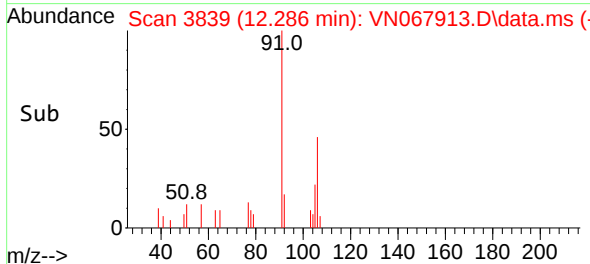
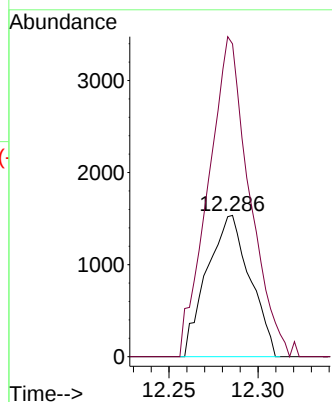
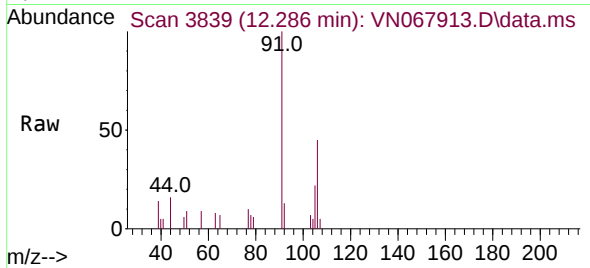




#69
o-Xylene
Concen: 0.335 ug/l
RT: 12.286 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

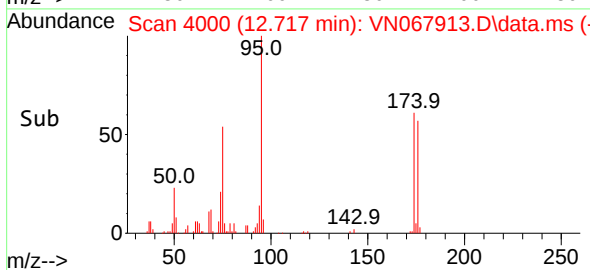
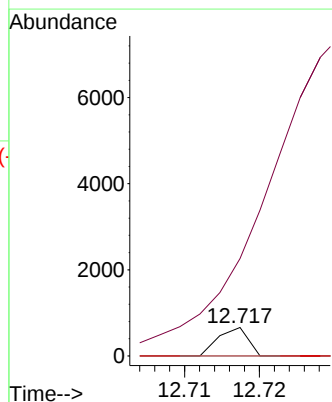
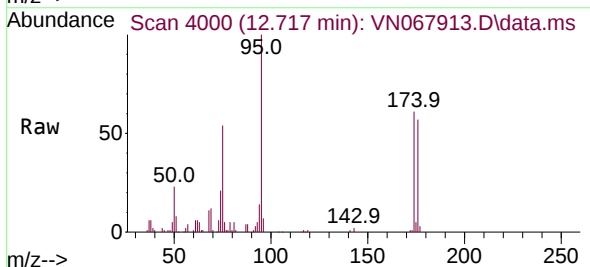
Instrument :
MSVOA_N
ClientSampled :

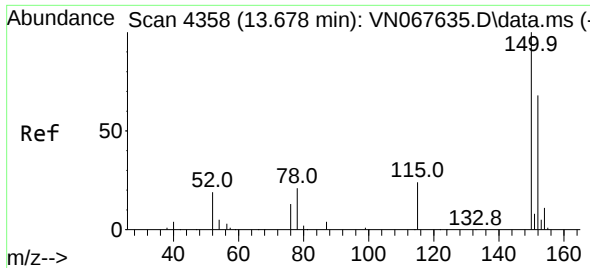
Tgt Ion:106 Resp: 2578
Ion Ratio Lower Upper
106 100
91 217.9 118.3 354.9



#71
Bromoform
Concen: 3.224 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion:173 Resp: 183
Ion Ratio Lower Upper
173 100
175 6853.6 23.9 71.8#
254 0.0 0.0 0.0

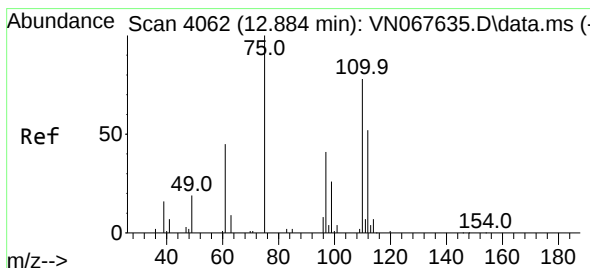
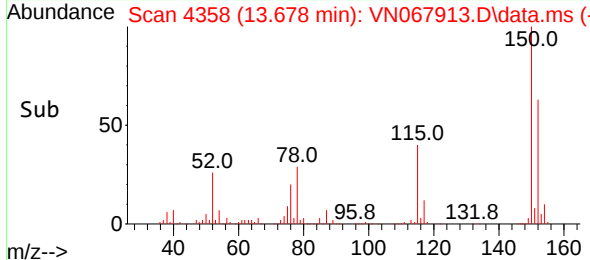
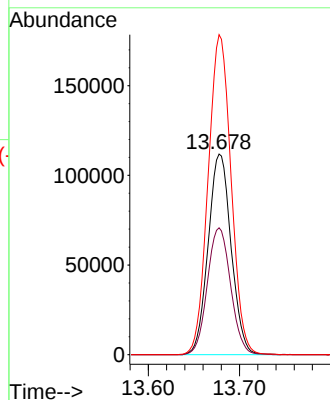
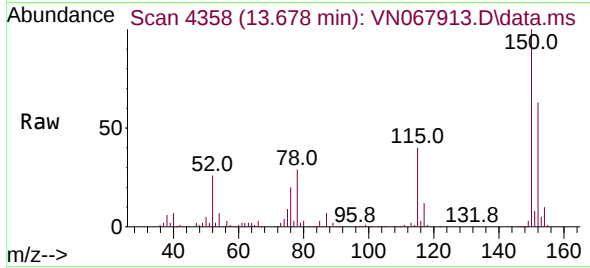




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.000 min
 Lab File: VN067913.D
 Acq: 26 Jul 2021 17:40

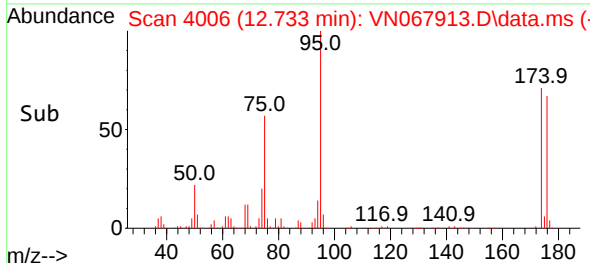
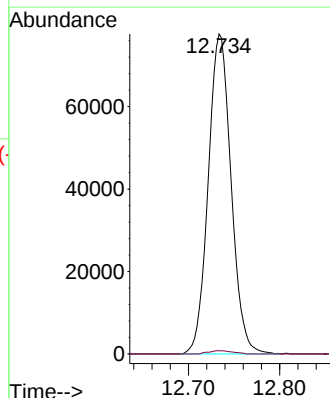
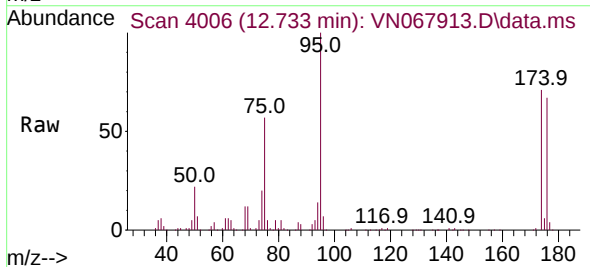
Instrument :
 MSVOA_N
 ClientSampleId :

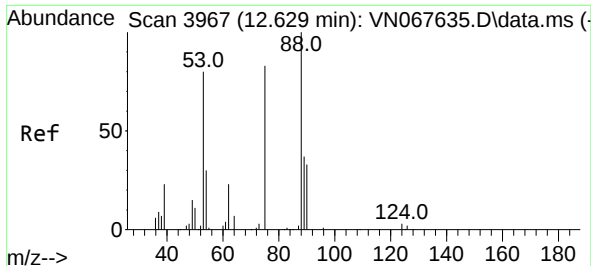
Tgt Ion:152 Resp: 195917
 Ion Ratio Lower Upper
 152 100
 115 64.0 36.1 108.5
 150 159.2 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.780 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067913.D
 Acq: 26 Jul 2021 17:40

Tgt Ion: 75 Resp: 135153
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

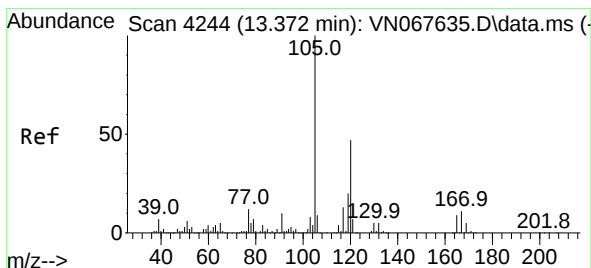
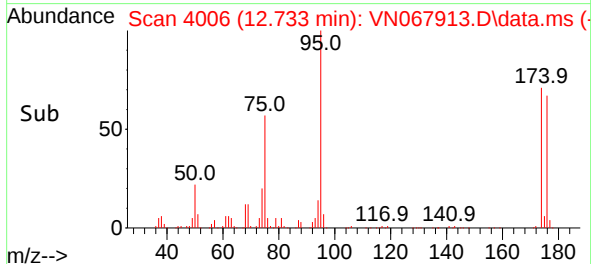
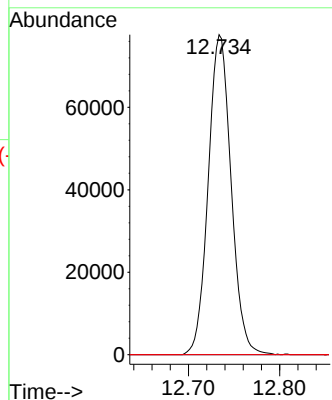
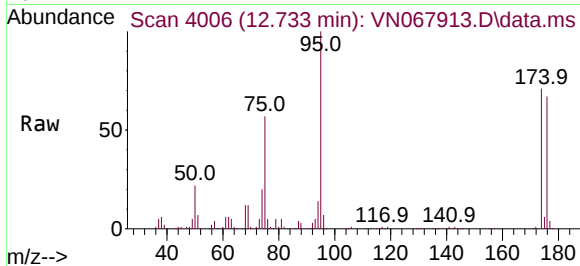




#81
trans-1,4-Dichloro-2-butene
Concen: 108.910 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

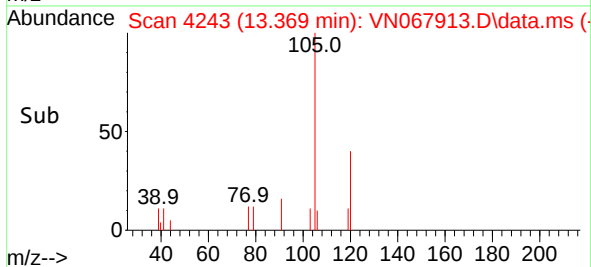
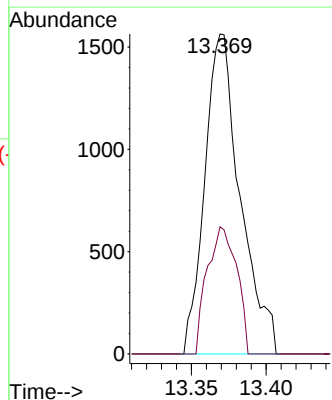
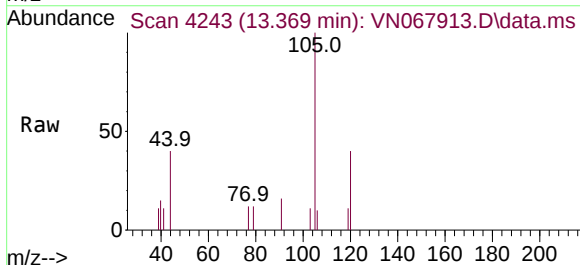
Instrument :
MSVOA_N
ClientSampled :

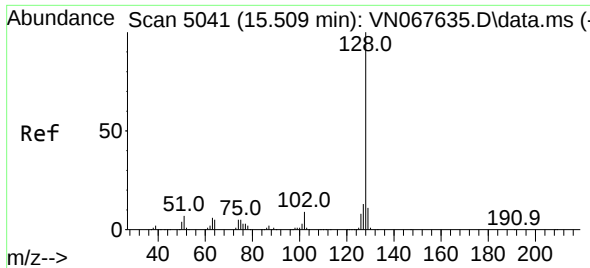
Tgt Ion: 75 Resp: 135153
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.205 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. -0.003 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion:105 Resp: 2579
Ion Ratio Lower Upper
105 100
120 33.0 20.6 61.8

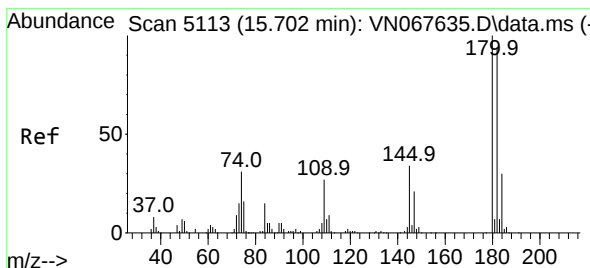
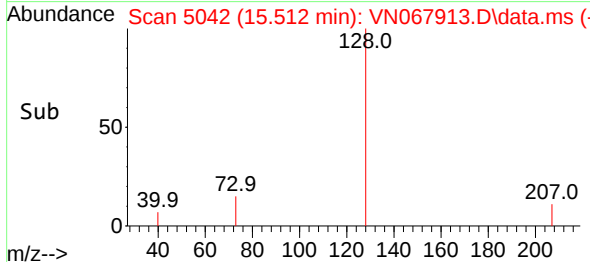
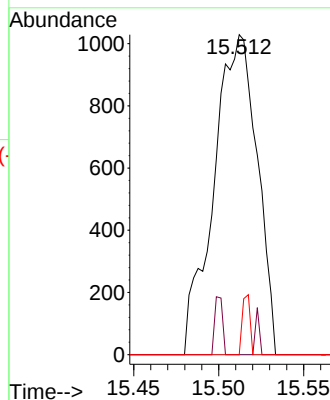
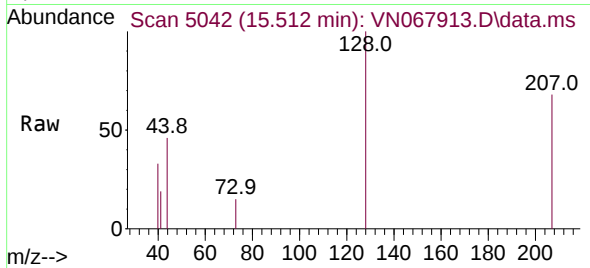




#95
Naphthalene
Concen: 3.192 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 1831
Ion Ratio Lower Upper
128 100
127 1.3 10.6 15.8#
129 3.3 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.649 ug/l
RT: 15.710 min Scan# 5116
Delta R.T. 0.008 min
Lab File: VN067913.D
Acq: 26 Jul 2021 17:40

Tgt Ion:180 Resp: 53
Ion Ratio Lower Upper
180 100
182 96.2 47.8 143.3
145 0.0 18.2 54.6#

