

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067914.D
 Acq On : 26 Jul 2021 18:05
 Operator : JC/MD
 Sample : M3147-23
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 27 01:31:43 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)

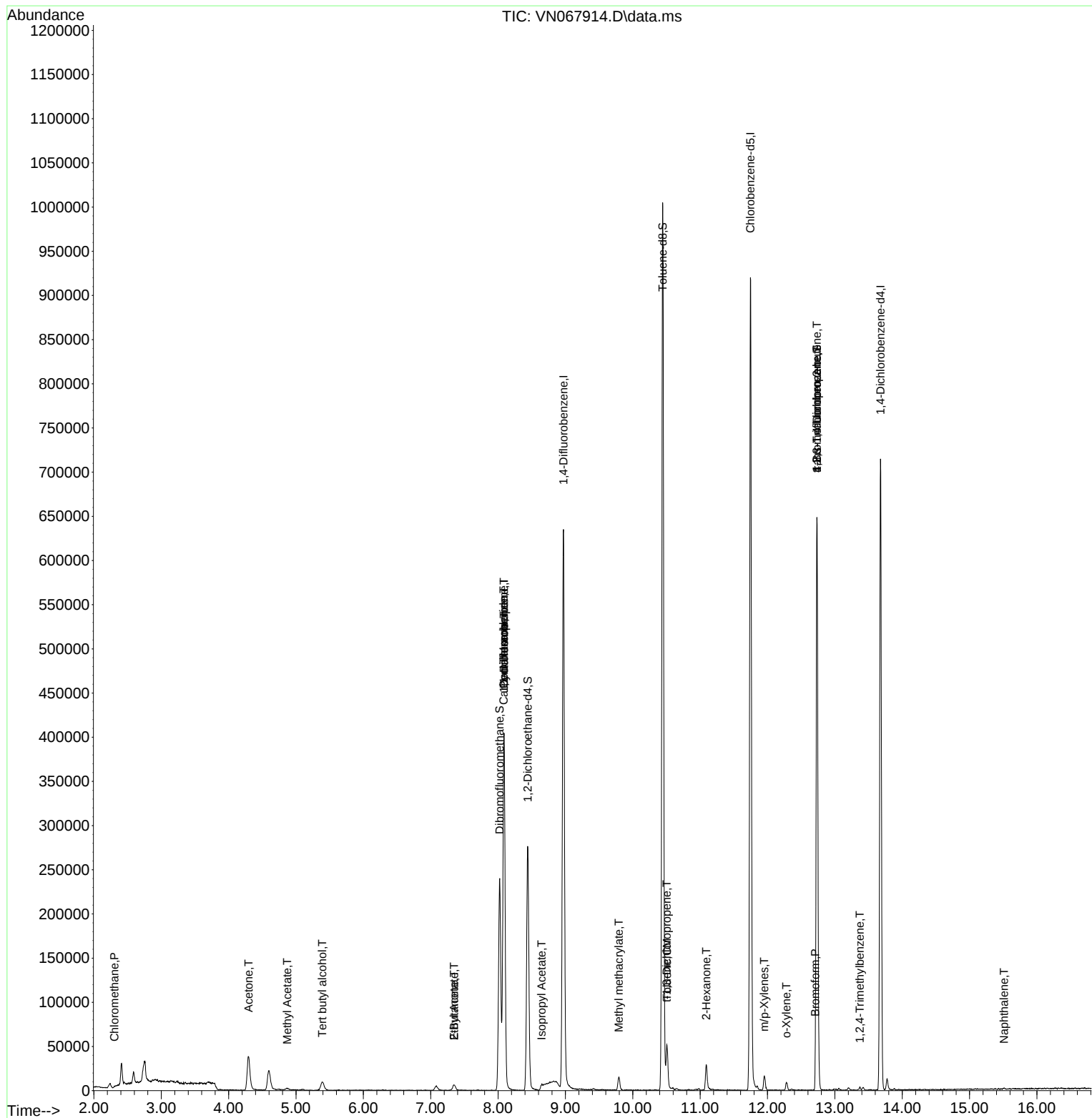
Internal Standards						
1) Pentafluorobenzene	8.088	168	288480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	557305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	534305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	184487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	232791	53.395	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.780%			
35) Dibromofluoromethane	8.024	113	173422	51.505	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.000%			
50) Toluene-d8	10.443	98	714431	50.691	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.733	95	231647	46.527	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.060%			
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	812	0.209	ug/l	99
5) Bromomethane	2.832	94	81	Below Cal	#	4
6) Chloroethane	2.915	64	64	Below Cal	#	44
11) Tert butyl alcohol	5.390	59	17538	27.993	ug/l #	89
13) Acrolein	4.055	56	140	Below Cal	#	14
16) Acetone	4.296	43	73009	53.219	ug/l	99
18) Methyl Acetate	4.870	43	1537	0.399	ug/l	96
20) Methylene Chloride	5.085	84	361	Below Cal	#	44
25) 2-Butanone	7.345	43	9786	4.296	ug/l	99
31) Cyclohexane	8.088	56	7866	1.287	ug/l #	2
36) 1,1-Dichloropropene	8.086	75	26972	5.210	ug/l #	44
37) Ethyl Acetate	7.345	43	9786	1.951	ug/l #	69
38) Carbon Tetrachloride	8.083	117	32089	6.284	ug/l #	17
43) Isopropyl Acetate	8.646	43	4112	0.466	ug/l #	58
48) Methyl methacrylate	9.794	41	6274	1.608	ug/l #	36
52) Toluene	10.507	92	19553	1.926	ug/l	100
53) t-1,3-Dichloropropene	10.502	75	27	1.748	ug/l #	1
59) 2-Hexanone	11.089	43	21878	5.782	ug/l	99
68) m/p-Xylenes	11.953	106	5161	0.683	ug/l	85
69) o-Xylene	12.280	106	2904	0.391	ug/l	82
71) Bromoform	12.707	173	25	3.183	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	130463	34.628	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	130463	111.644	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.369	105	2429	0.206	ug/l	99
95) Naphthalene	15.512	128	1459	3.164	ug/l #	76

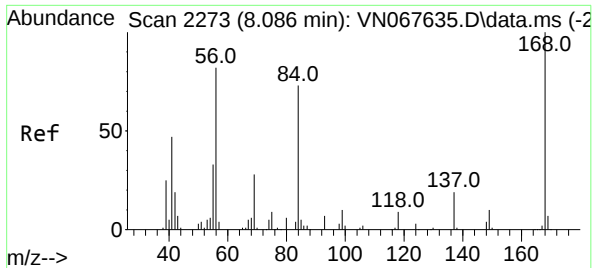
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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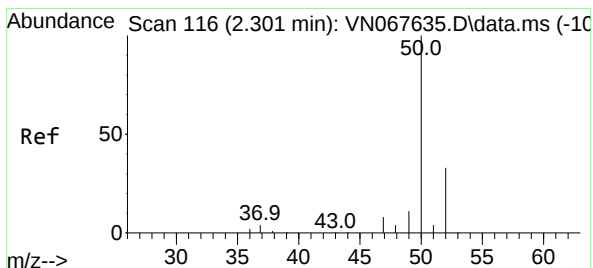
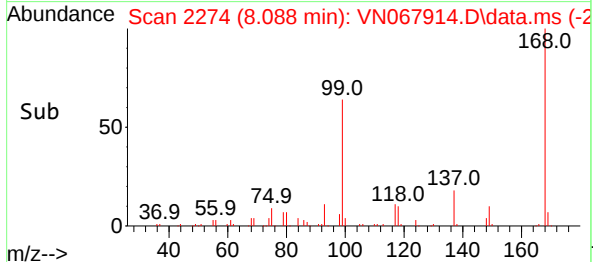
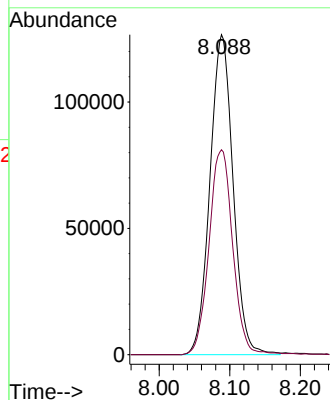
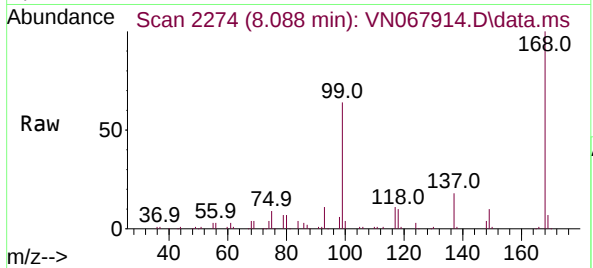




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

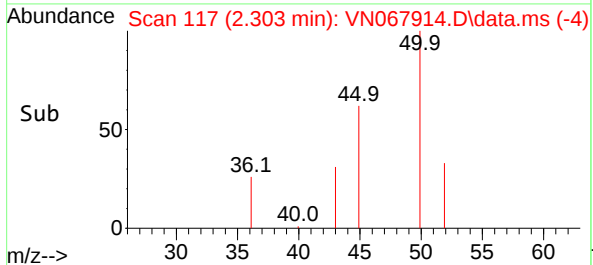
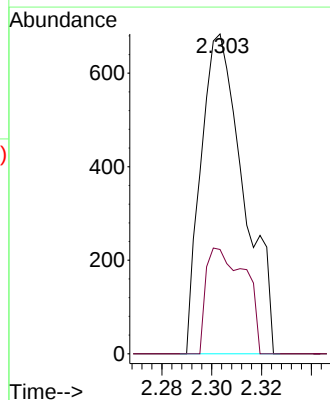
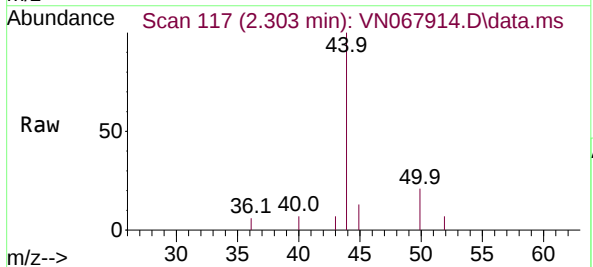
Instrument :
MSVOA_N
ClientSampleId :

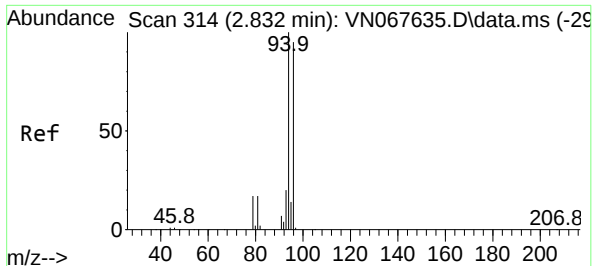
Tgt Ion:168 Resp: 288480
Ion Ratio Lower Upper
168 100
99 64.0 62.9 94.3



#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion: 50 Resp: 812
Ion Ratio Lower Upper
50 100
52 32.6 25.6 38.4

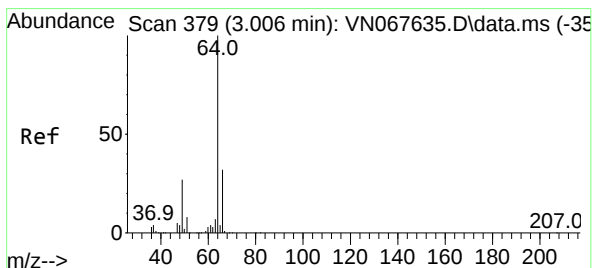
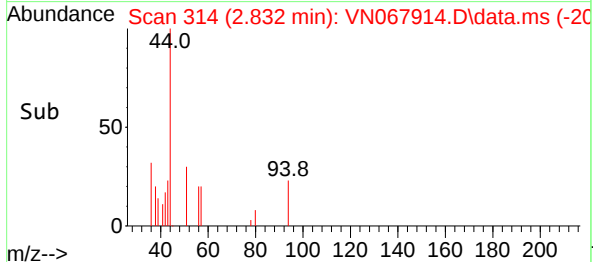
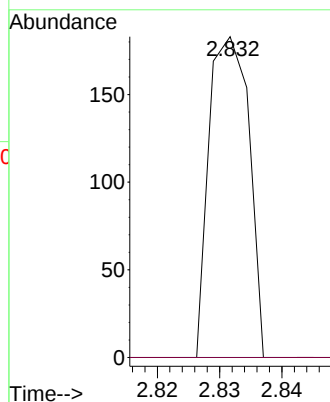
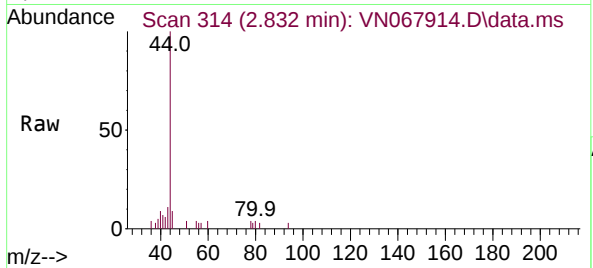




#5
Bromomethane
Concen: Below Cal
RT: 2.832 min Scan# 314
Delta R.T. -0.000 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

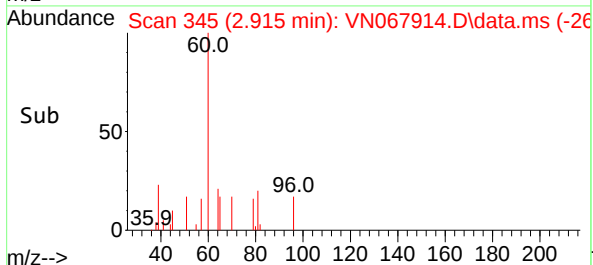
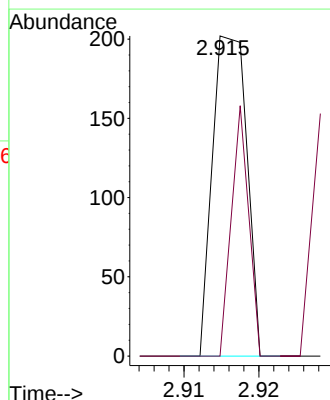
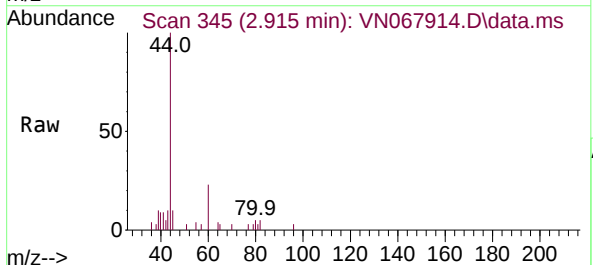
Instrument :
MSVOA_N
ClientSampleId :

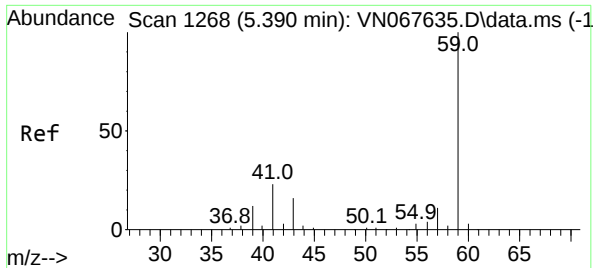
Tgt Ion: 94 Resp: 81
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 2.915 min Scan# 345
Delta R.T. -0.091 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

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

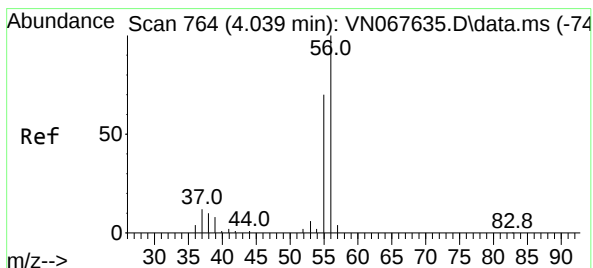
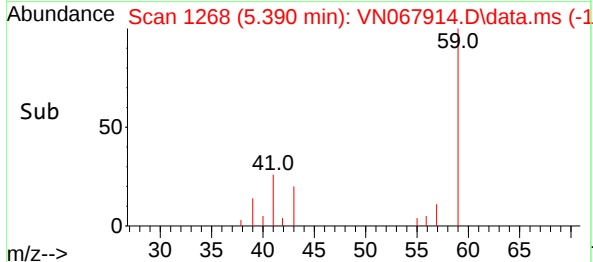
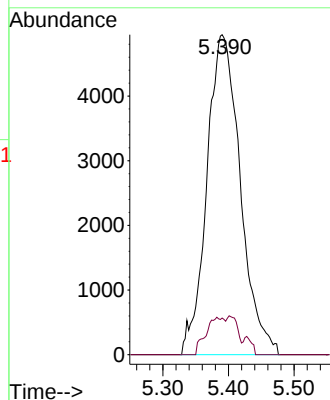
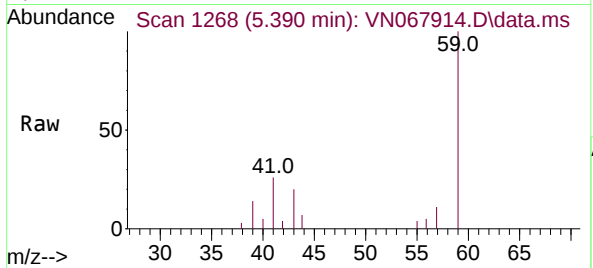




#11
Tert butyl alcohol
Concen: 27.993 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.000 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

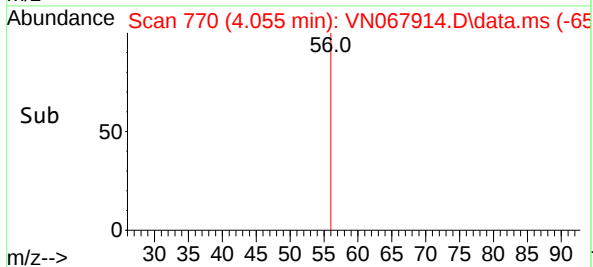
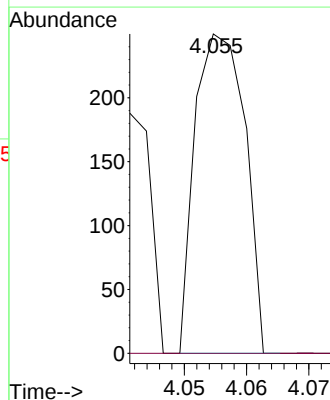
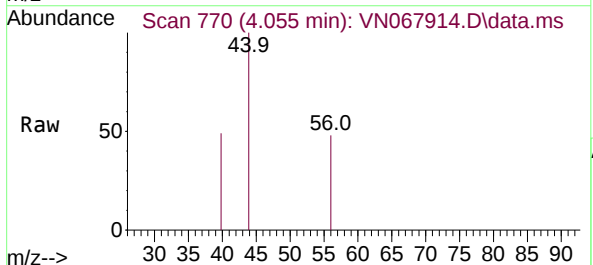
Instrument :
MSVOA_N
ClientSampled :

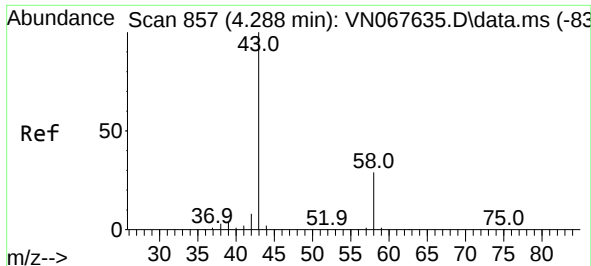
Tgt Ion: 59 Resp: 17538
Ion Ratio Lower Upper
59 100
57 6.7 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.055 min Scan# 770
Delta R.T. 0.016 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

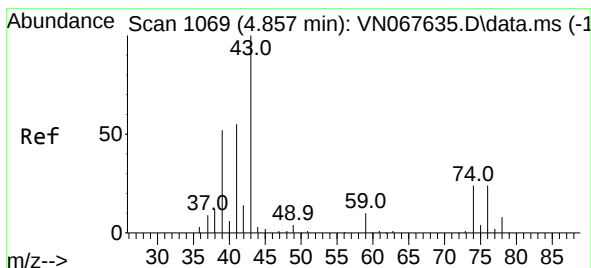
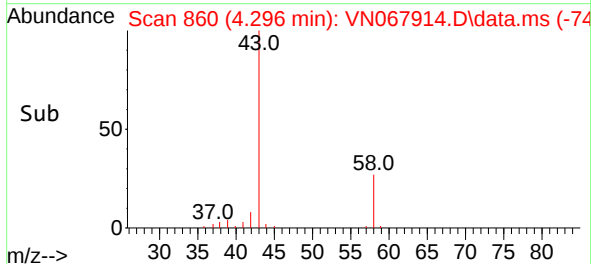
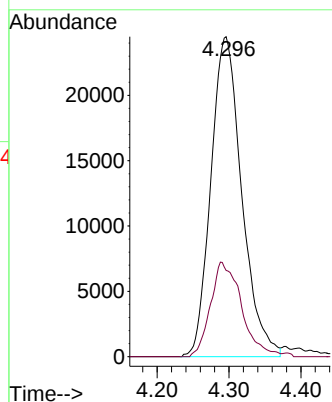
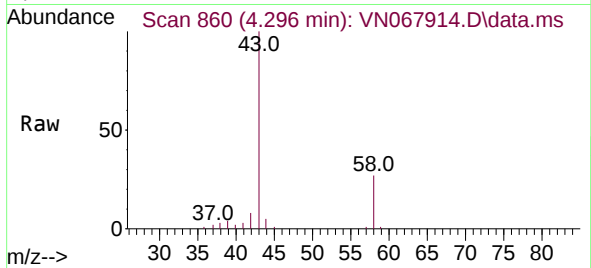




#16
Acetone
Concen: 53.219 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

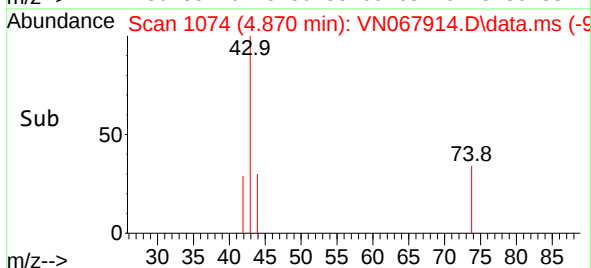
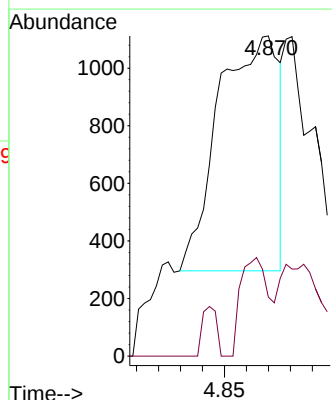
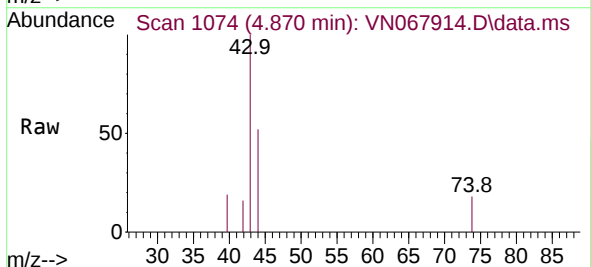
Instrument :
MSVOA_N
ClientSampled :

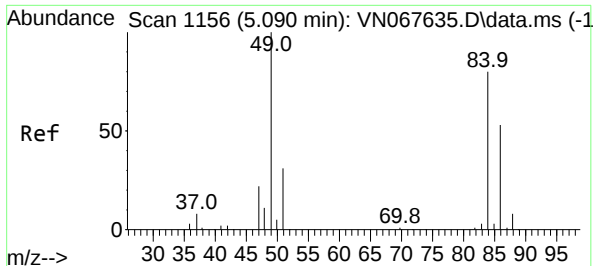
Tgt Ion: 43 Resp: 73009
Ion Ratio Lower Upper
43 100
58 27.0 21.2 31.8



#18
Methyl Acetate
Concen: 0.399 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.013 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion: 43 Resp: 1537
Ion Ratio Lower Upper
43 100
74 19.9 17.4 26.0





#20

Methylene Chloride

Concen: Below Cal

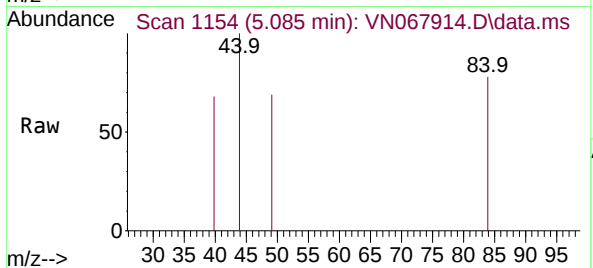
RT: 5.085 min Scan# 1154

Delta R.T. -0.005 min

Lab File: VN067914.D

Acq: 26 Jul 2021 18:05

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 361

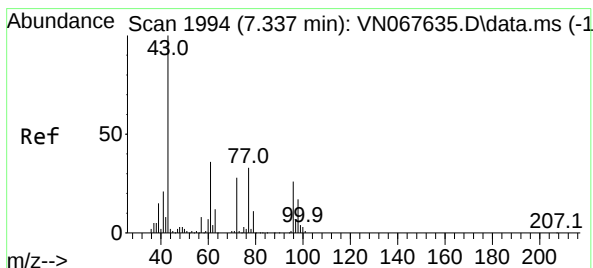
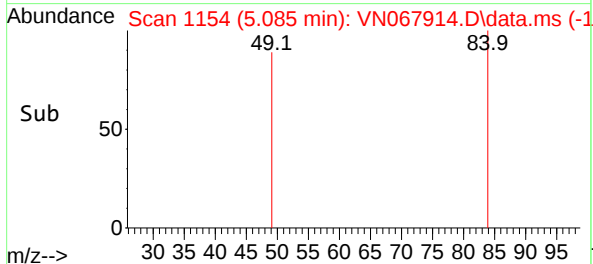
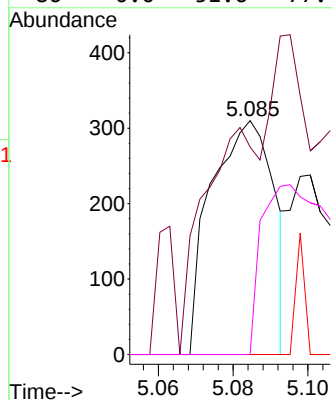
Ion Ratio Lower Upper

84 100

49 88.7 110.9 166.3#

51 0.0 32.6 49.0#

86 0.0 51.6 77.4#



#25

2-Butanone

Concen: 4.296 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. 0.008 min

Lab File: VN067914.D

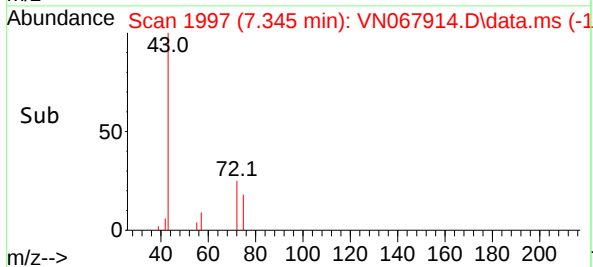
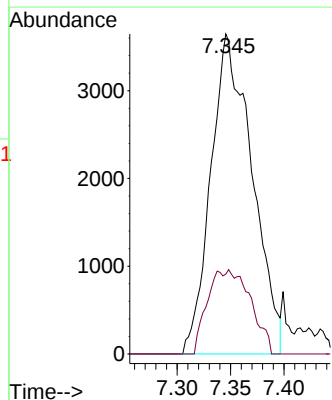
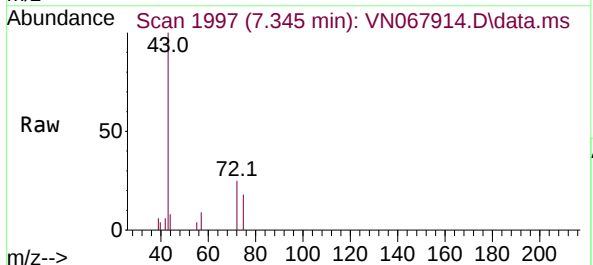
Acq: 26 Jul 2021 18:05

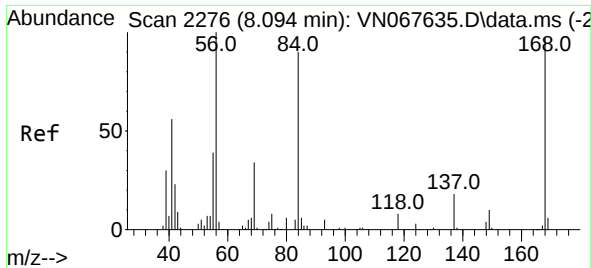
Tgt Ion: 43 Resp: 9786

Ion Ratio Lower Upper

43 100

72 25.0 19.7 29.5

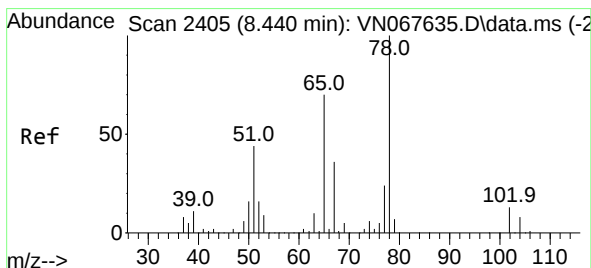
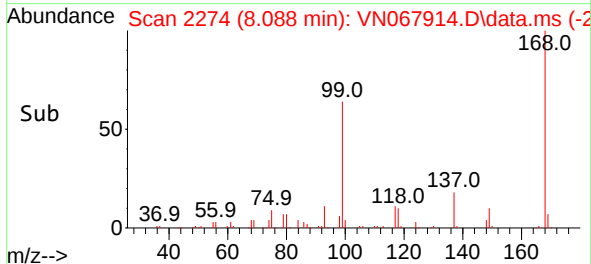
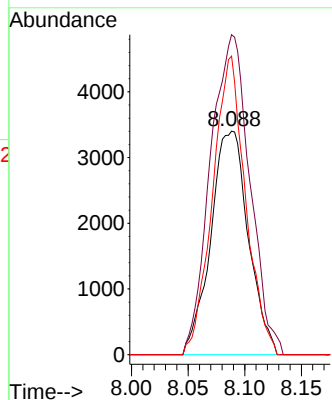
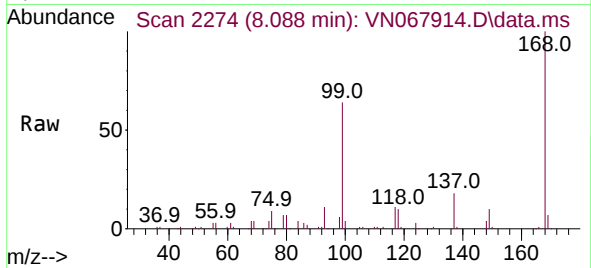




#31
Cyclohexane
Concen: 1.287 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

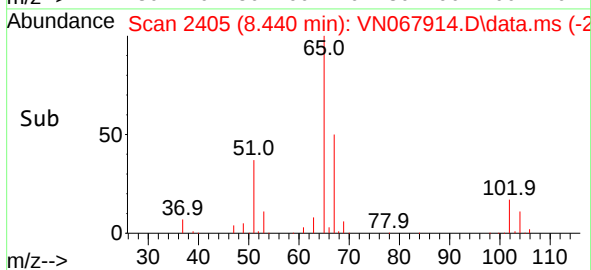
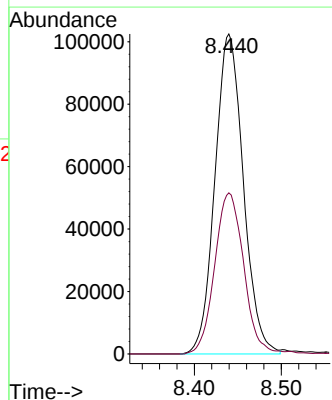
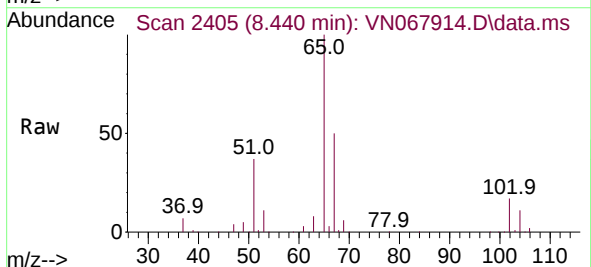
Instrument :
MSVOA_N
ClientSampled :

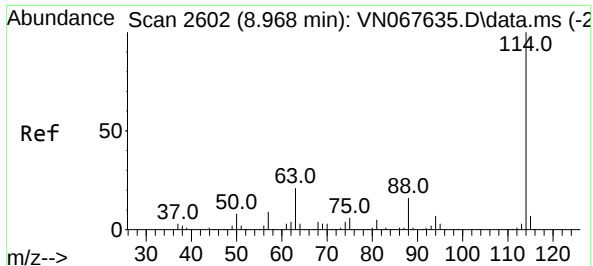
Tgt Ion: 56 Resp: 7866
Ion Ratio Lower Upper
56 100
69 143.2 27.3 40.9#
84 133.6 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.395 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion: 65 Resp: 232791
Ion Ratio Lower Upper
65 100
67 51.3 0.0 98.6

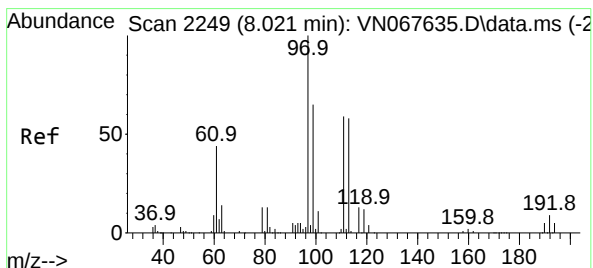
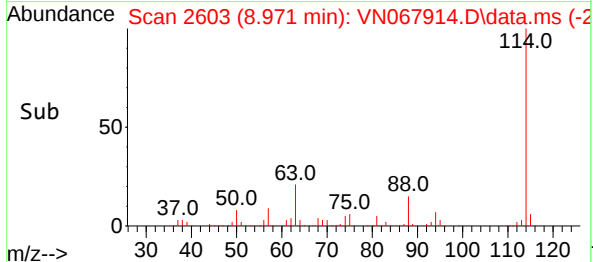
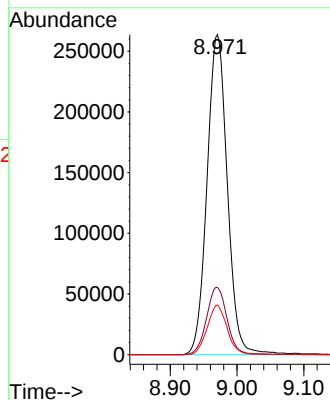
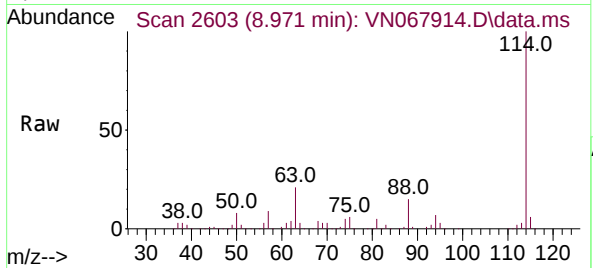




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

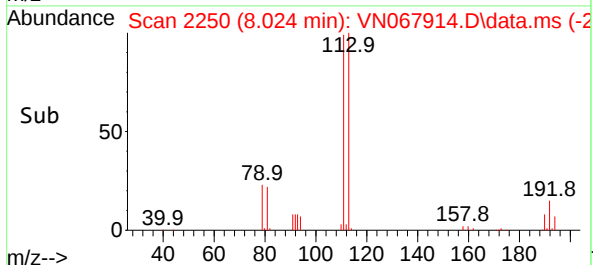
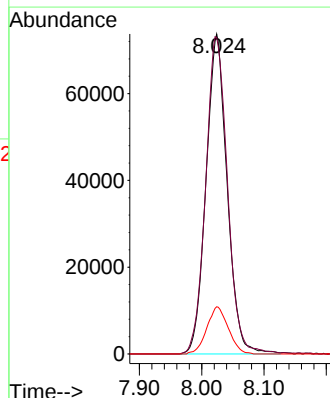
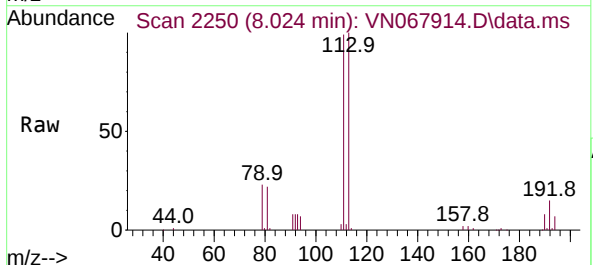
Instrument :
MSVOA_N
ClientSampled :

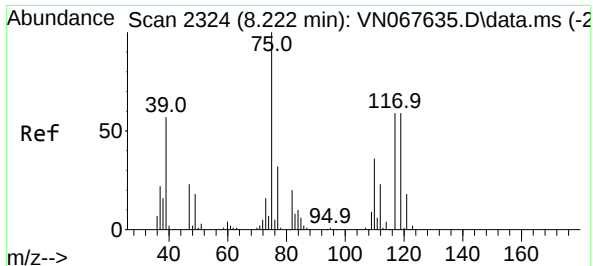
Tgt Ion:114 Resp: 557305
Ion Ratio Lower Upper
114 100
63 21.0 0.0 49.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.505 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

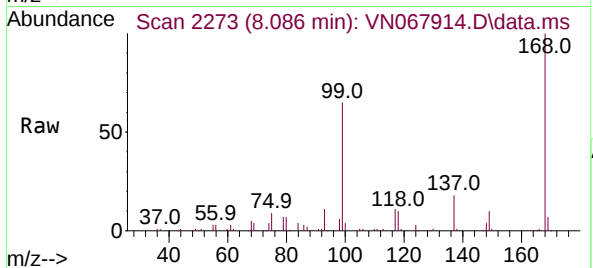
Tgt Ion:113 Resp: 173422
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 15.0 13.4 20.0



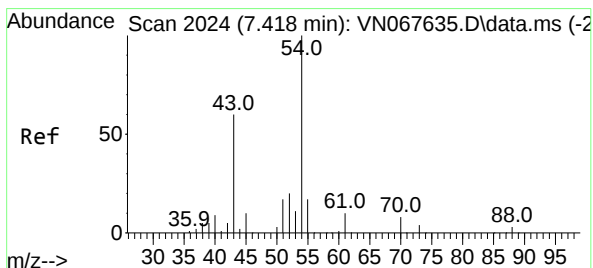
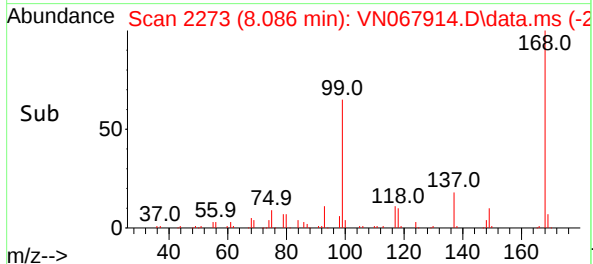
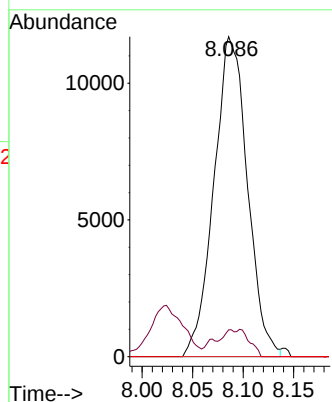


#36
1,1-Dichloropropene
Concen: 5.210 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Instrument :
MSVOA_N
ClientSampled :

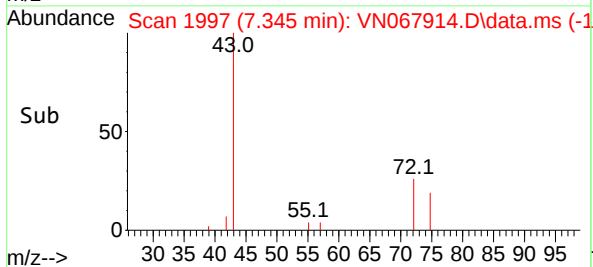
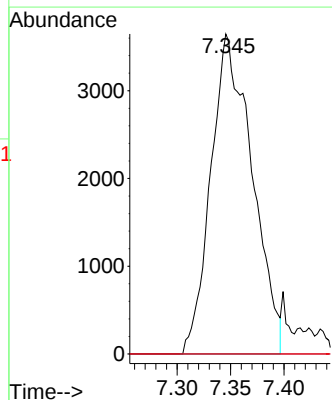
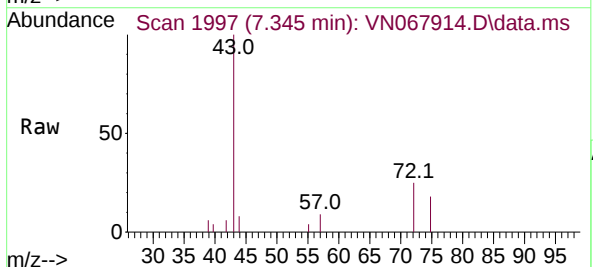


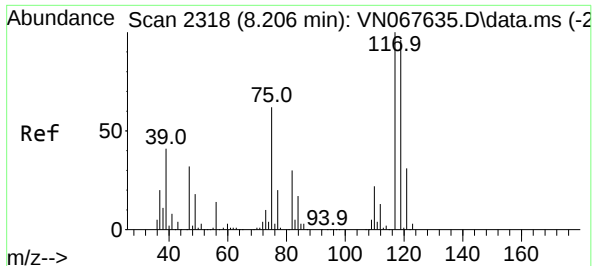
Tgt Ion: 75 Resp: 26972
Ion Ratio Lower Upper
75 100
110 1.0 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.951 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.073 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

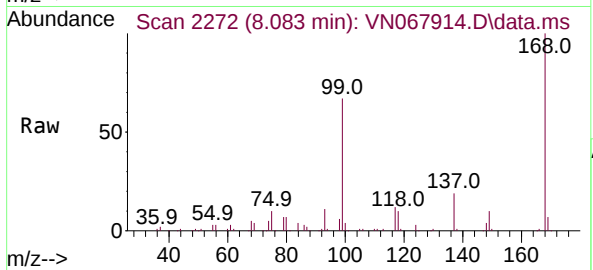
Tgt Ion: 43 Resp: 9786
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



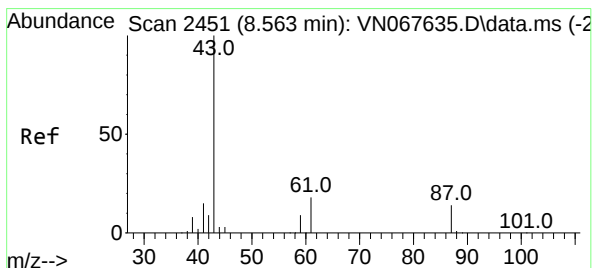
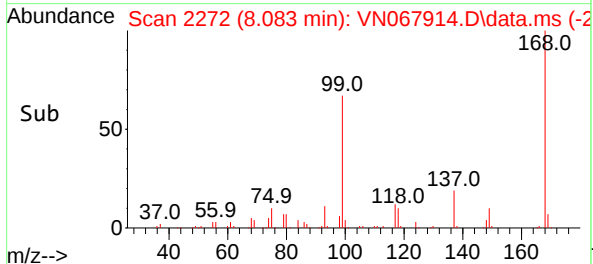
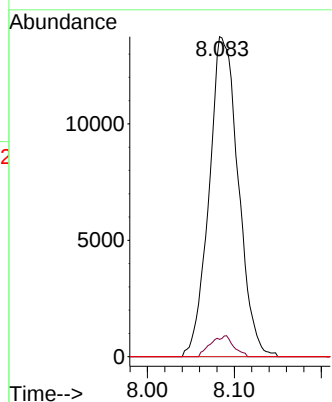


#38
Carbon Tetrachloride
Concen: 6.284 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Instrument :
MSVOA_N
ClientSampleId :

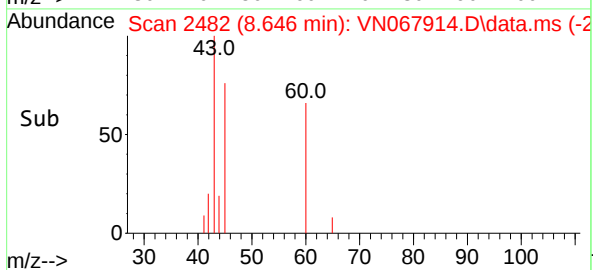
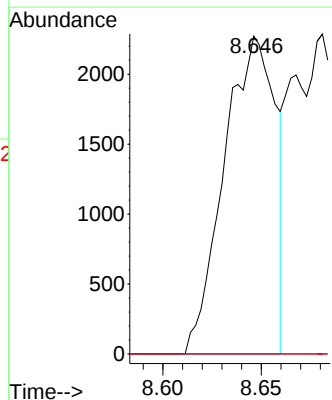
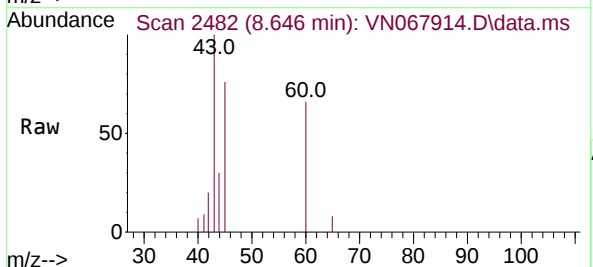


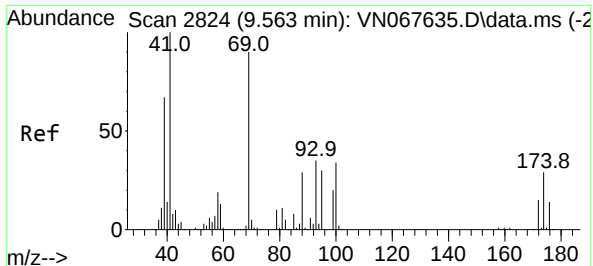
Tgt Ion:117 Resp: 32089
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.466 ug/l
RT: 8.646 min Scan# 2482
Delta R.T. 0.083 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion: 43 Resp: 4112
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

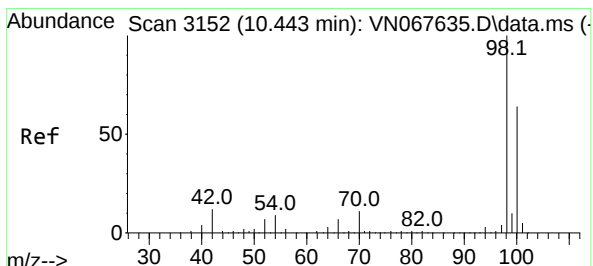
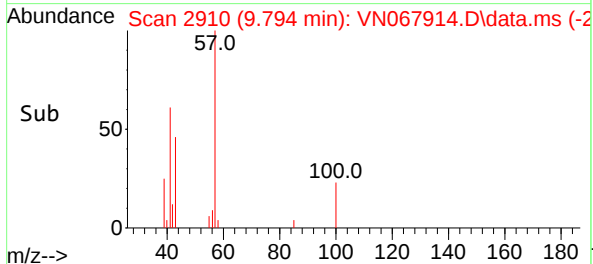
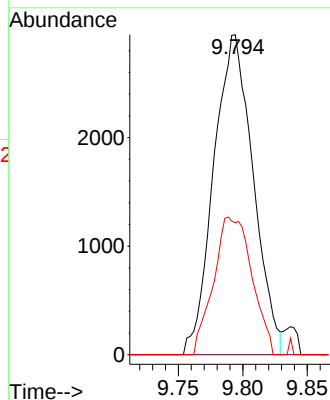
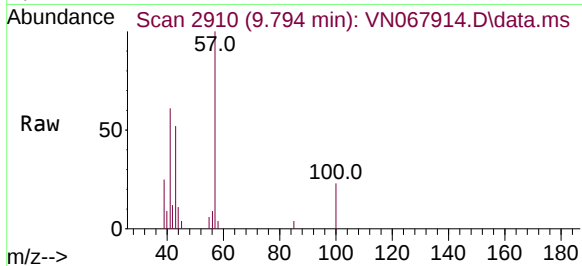




#48
Methyl methacrylate
Concen: 1.608 ug/l
RT: 9.794 min Scan# 2910
Delta R.T. 0.231 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

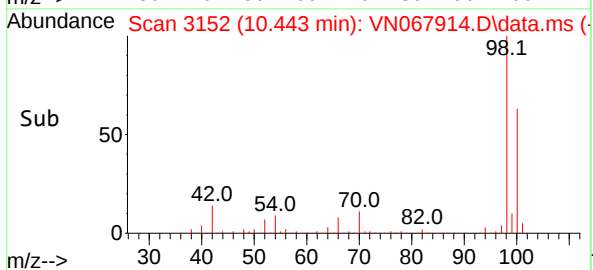
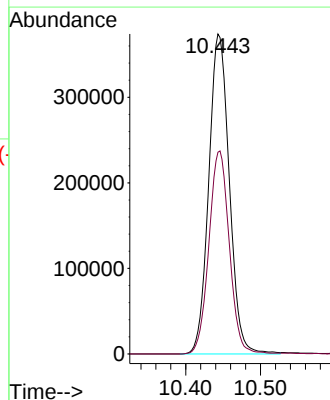
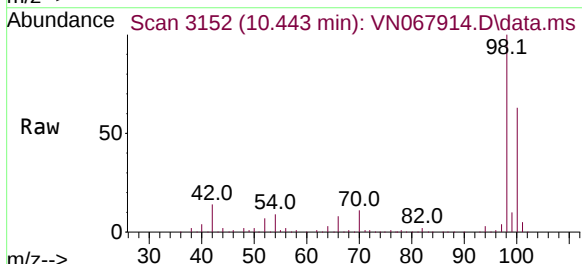
Instrument :
MSVOA_N
ClientSampled :

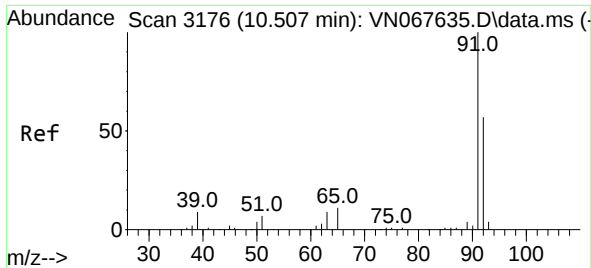
Tgt Ion: 41 Resp: 6274
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 41.8 53.3 79.9#



#50
Toluene-d8
Concen: 50.691 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion: 98 Resp: 714431
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5

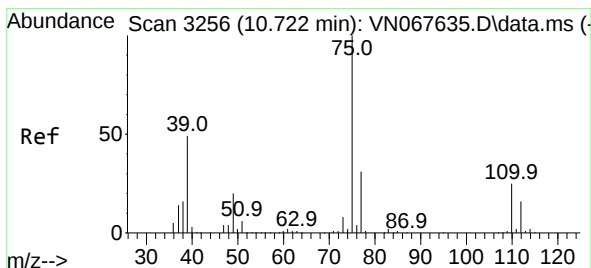
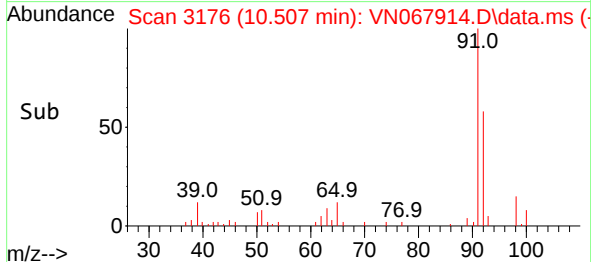
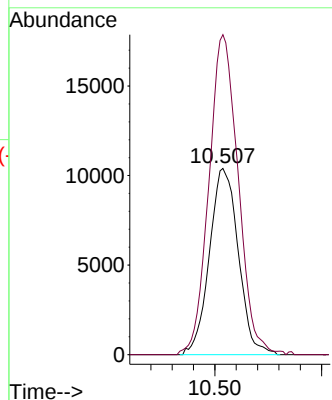
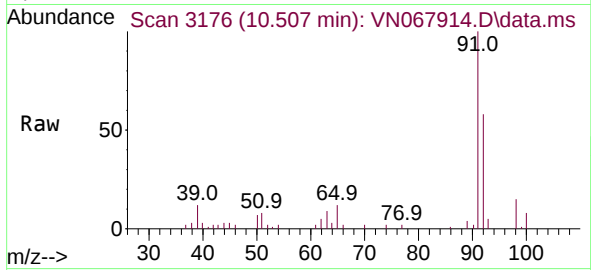




#52
Toluene
Concen: 1.926 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

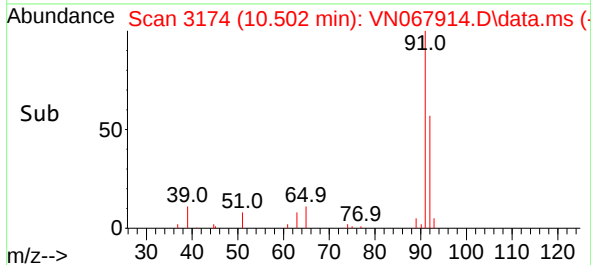
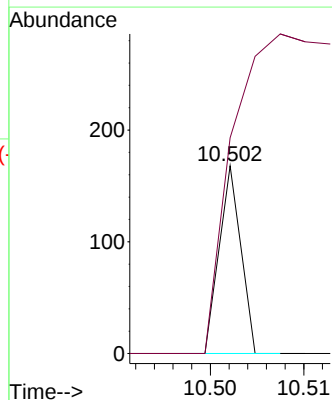
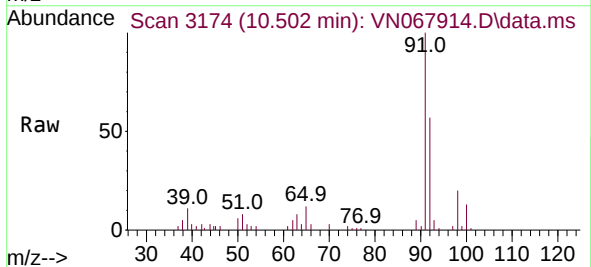
Instrument :
MSVOA_N
ClientSampled :

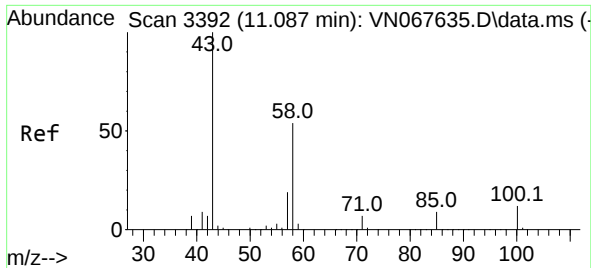
Tgt Ion: 92 Resp: 19553
Ion Ratio Lower Upper
92 100
91 173.9 139.6 209.4



#53
t-1,3-Dichloropropene
Concen: 1.748 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.220 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 114.9 25.1 37.7#

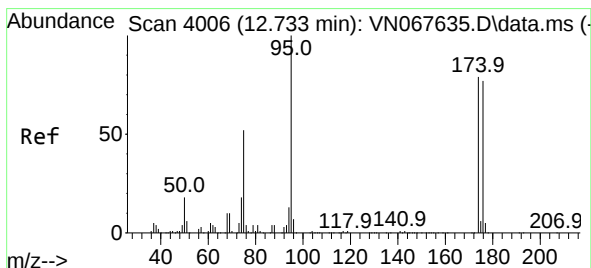
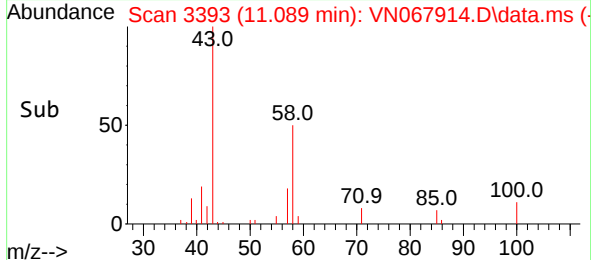
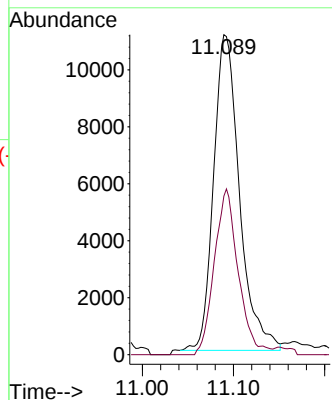
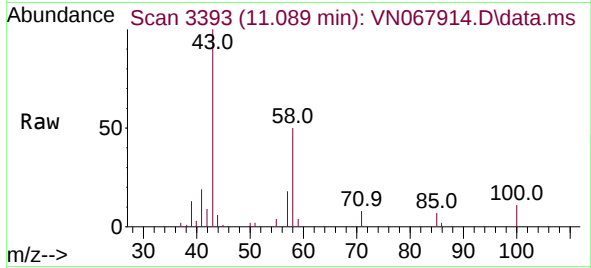




#59
2-Hexanone
Concen: 5.782 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

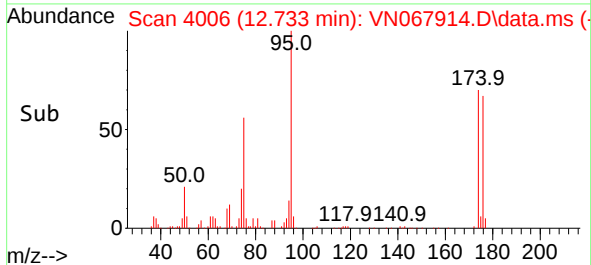
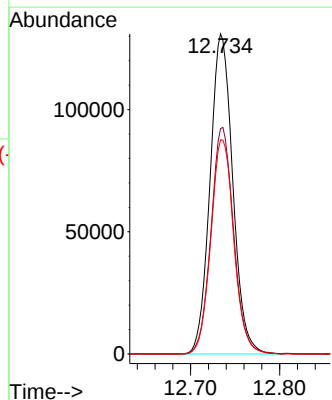
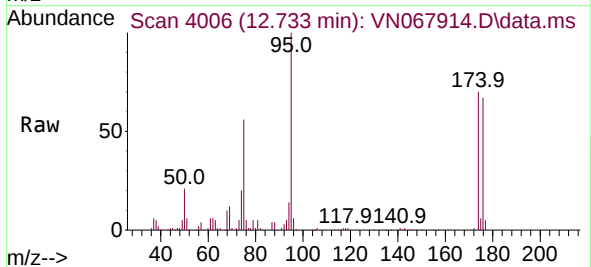
Instrument :
MSVOA_N
ClientSampled :

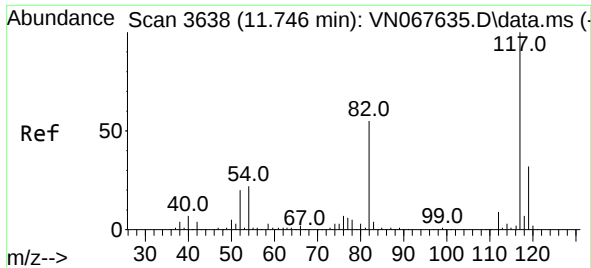
Tgt Ion: 43 Resp: 21878
Ion Ratio Lower Upper
43 100
58 48.6 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 46.527 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion: 95 Resp: 231647
Ion Ratio Lower Upper
95 100
174 70.8 0.0 122.0
176 67.8 0.0 117.6

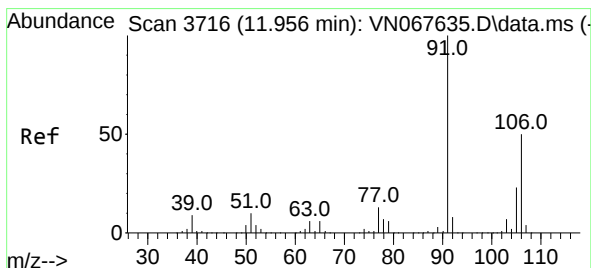
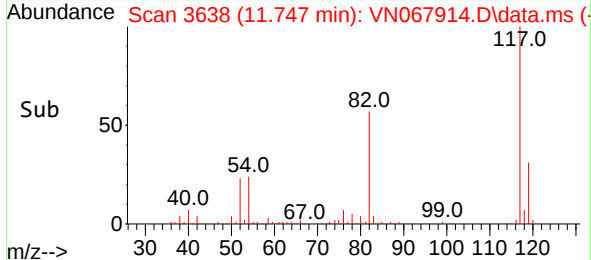
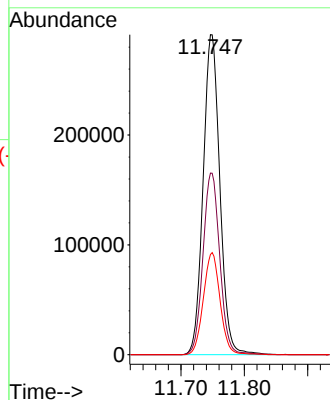
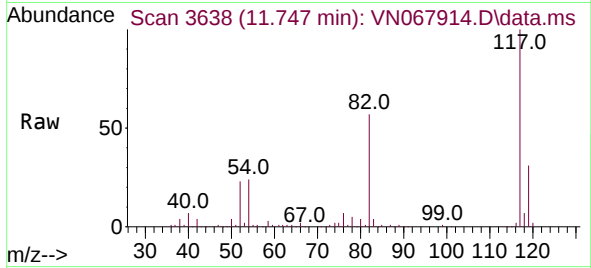




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

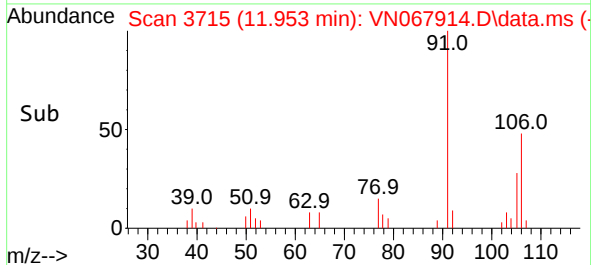
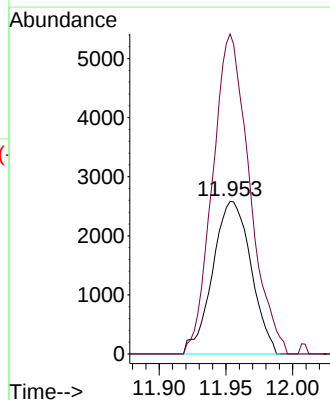
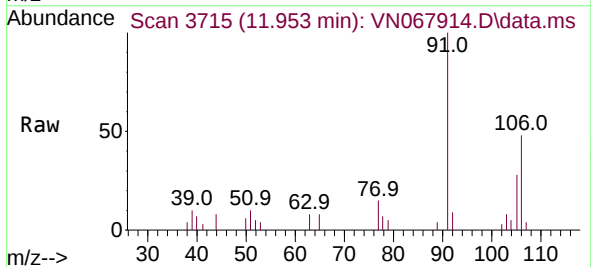
Instrument :
MSVOA_N
ClientSampled :

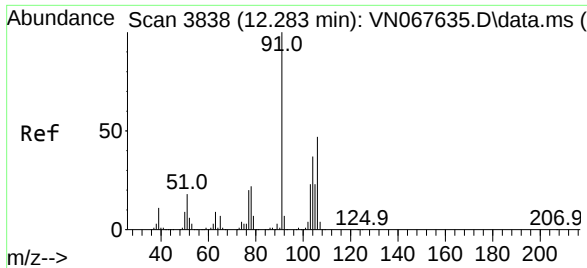
Tgt Ion:117 Resp: 534305
Ion Ratio Lower Upper
117 100
82 56.7 53.1 79.7
119 31.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.683 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion:106 Resp: 5161
Ion Ratio Lower Upper
106 100
91 201.8 180.6 270.8

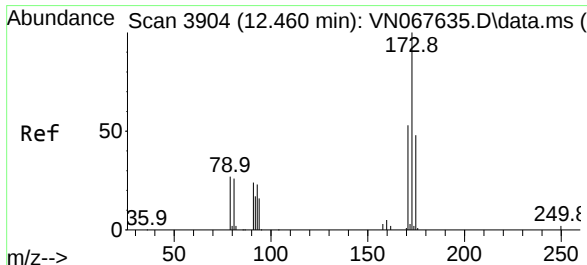
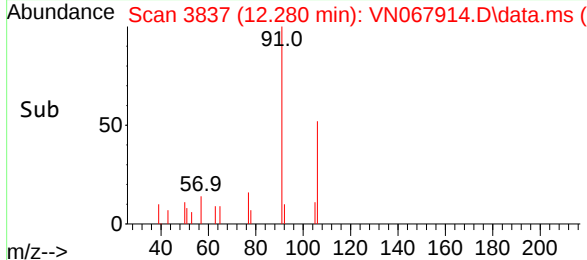
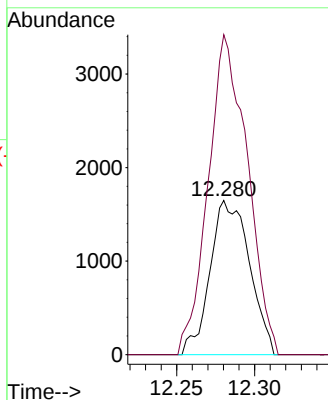
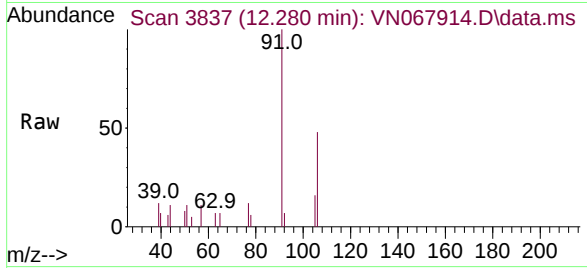




#69
o-Xylene
Concen: 0.391 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

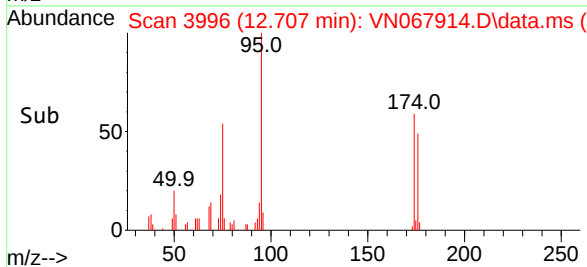
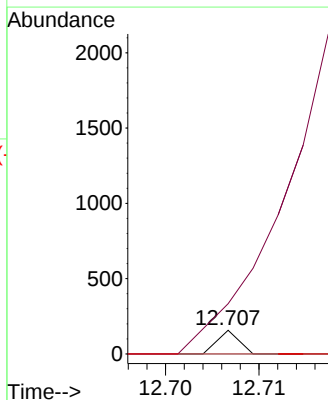
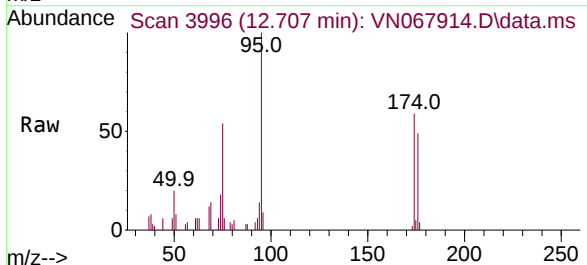
Instrument :
MSVOA_N
ClientSampleId :

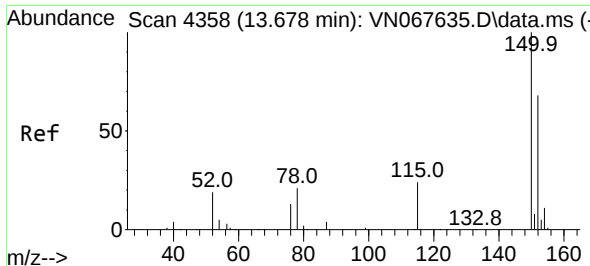
Tgt Ion:106 Resp: 2904
Ion Ratio Lower Upper
106 100
91 206.0 118.3 354.9



#71
Bromoform
Concen: 3.183 ug/l
RT: 12.707 min Scan# 3996
Delta R.T. 0.247 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion:173 Resp: 25
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

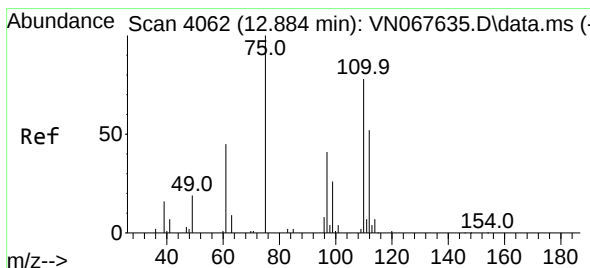
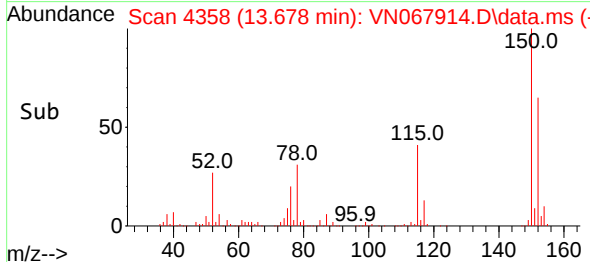
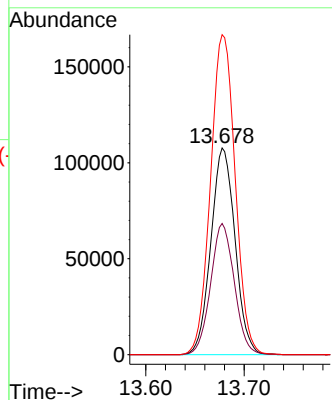
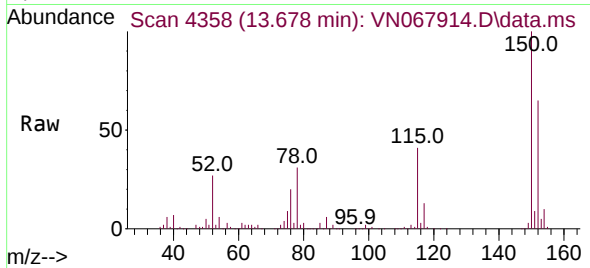




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

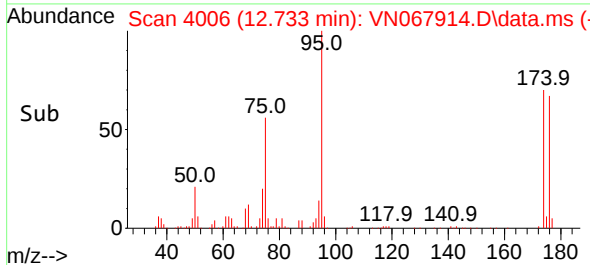
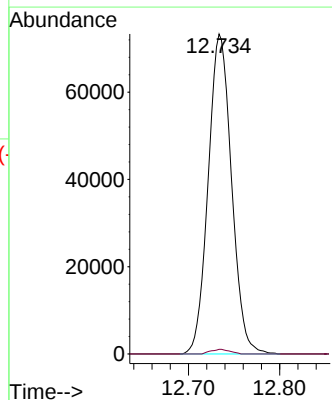
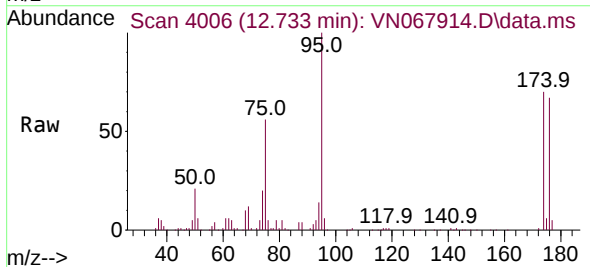
Instrument :
MSVOA_N
ClientSampled :

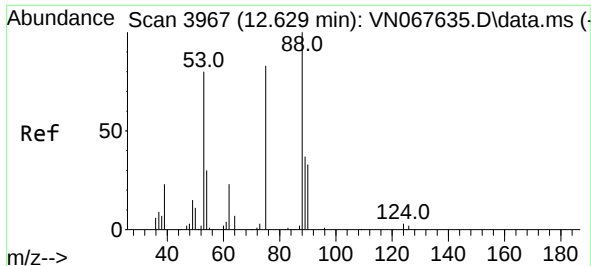
Tgt Ion:152 Resp: 184487
Ion Ratio Lower Upper
152 100
115 62.2 36.1 108.5
150 157.8 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 34.628 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Tgt Ion: 75 Resp: 130463
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

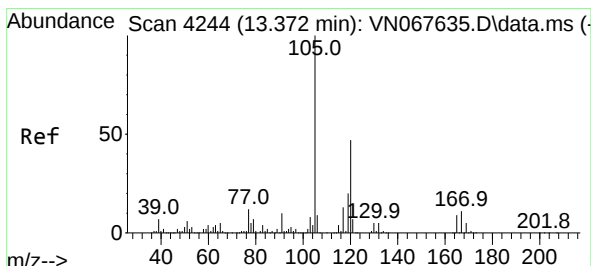
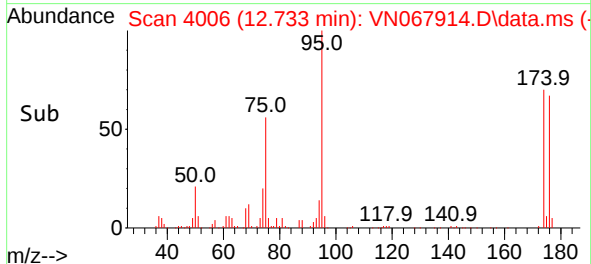
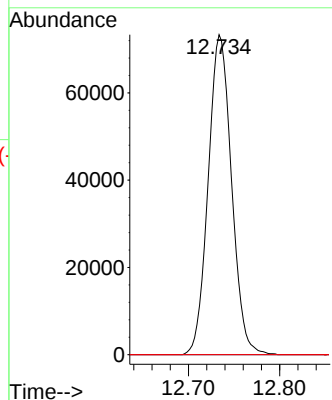
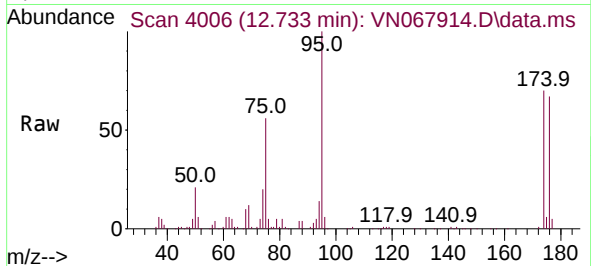




#81
trans-1,4-Dichloro-2-butene
Concen: 111.644 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

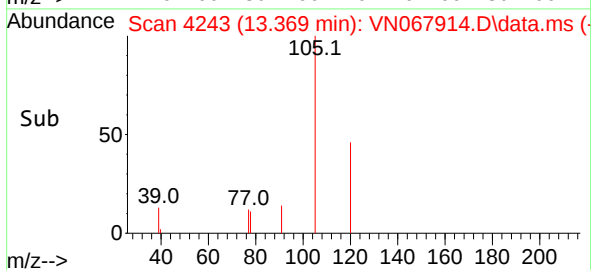
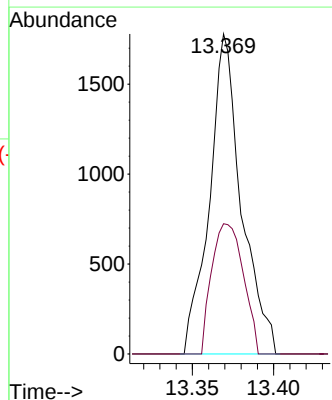
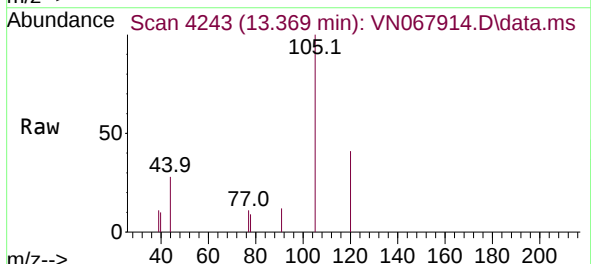
Instrument :
MSVOA_N
ClientSampled :

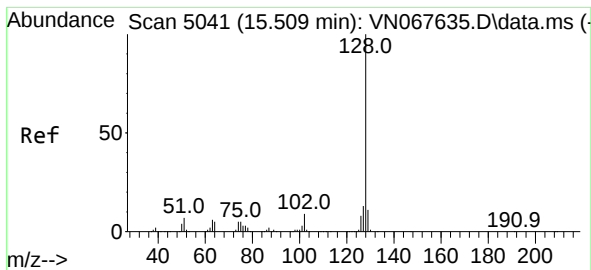
Tgt Ion: 75 Resp: 130463
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.206 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. -0.003 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

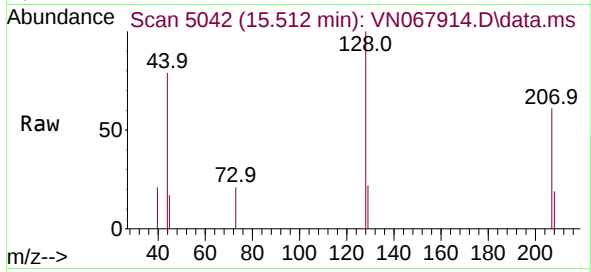
Tgt Ion:105 Resp: 2429
Ion Ratio Lower Upper
105 100
120 40.3 20.6 61.8





#95
Naphthalene
Concen: 3.164 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067914.D
Acq: 26 Jul 2021 18:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1459
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 6.0 8.6 12.8#

