

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
 Data File : VN067566.D
 Acq On : 29 Jun 2021 20:33
 Operator : JC/MD
 Sample : M2868-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 30 03:41:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 28 14:31:03 2021
 Response via : Initial Calibration

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

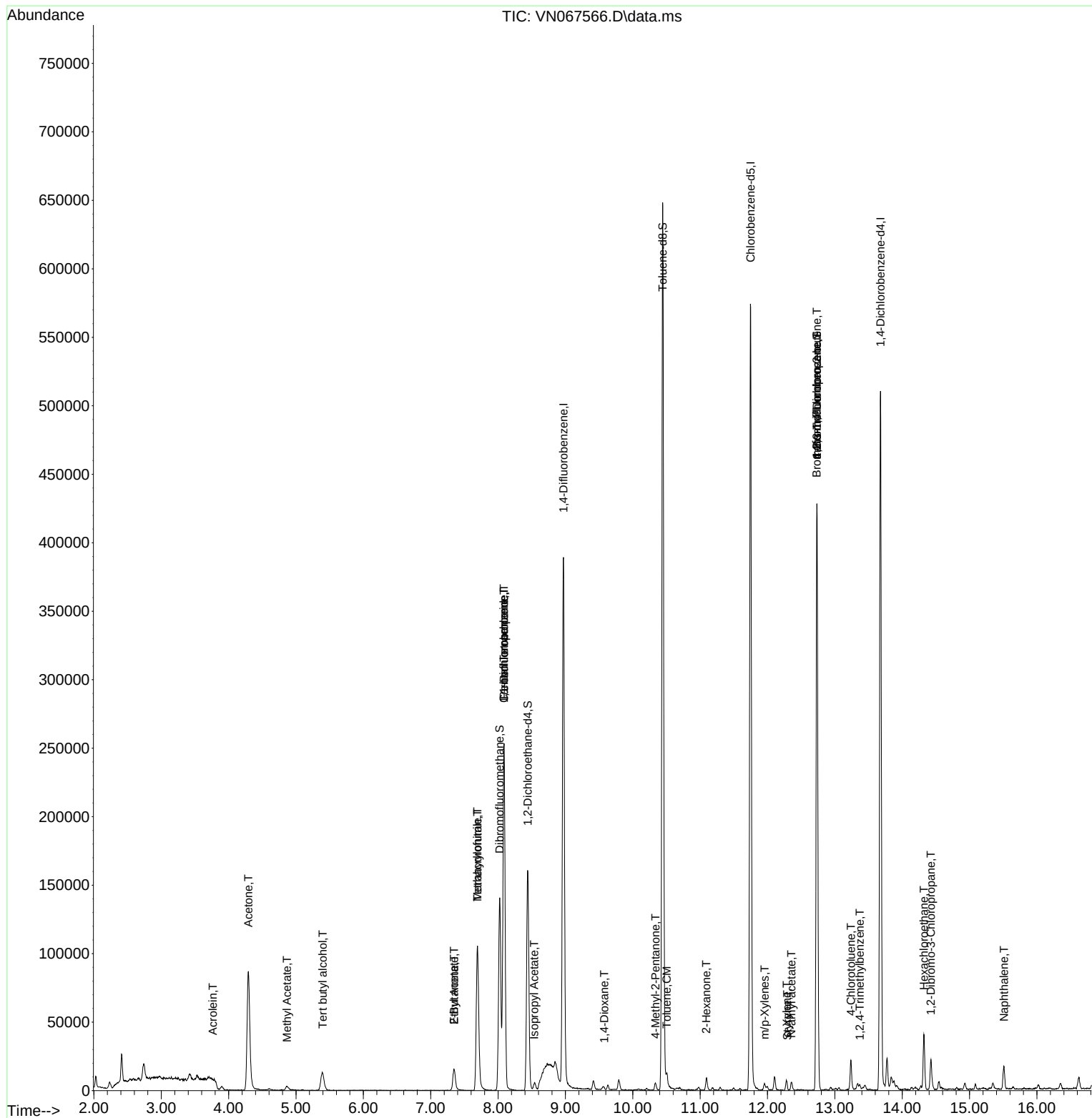
Internal Standards						
1) Pentafluorobenzene	8.088	168	178028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	338875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	324726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	127624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	136075	55.849	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.700%			
35) Dibromofluoromethane	8.024	113	100185	47.684	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.360%			
50) Toluene-d8	10.443	98	455460	53.365	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.720%			
62) 4-Bromofluorobenzene	12.734	95	147063	49.330	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.660%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.396	59	25063	68.912	ug/l #	86
13) Acrolein	3.768	56	85	2.578	ug/l #	14
16) Acetone	4.293	43	161653	201.147	ug/l	94
18) Methyl Acetate	4.867	43	6518	3.040	ug/l #	77
20) Methylene Chloride	5.093	84	55	Below Cal	#	26
25) 2-Butanone	7.345	43	25314	20.425	ug/l	98
29) Tetrahydrofuran	7.694	42	79091	95.836	ug/l	90
31) Cyclohexane	8.086	56	5030	Below Cal	#	25
36) 1,1-Dichloropropene	8.086	75	16928	5.533	ug/l #	52
37) Ethyl Acetate	7.345	43	25314	9.011	ug/l #	69
38) Carbon Tetrachloride	8.086	117	20063	6.122	ug/l #	15
41) Methacrylonitrile	7.694	41	47762	34.106	ug/l #	48
43) Isopropyl Acetate	8.536	43	1117	0.233	ug/l #	58
49) 1,4-Dioxane	9.577	88	176	30.394	ug/l #	46
51) 4-Methyl-2-Pentanone	10.336	43	4543	1.569	ug/l #	65
52) Toluene	10.502	92	3108	0.514	ug/l	94
59) 2-Hexanone	11.092	43	4100	2.006	ug/l	80
68) m/p-Xylenes	11.958	106	1700	0.367	ug/l	87
69) o-Xylene	12.286	106	1665	0.363	ug/l	95
70) Styrene	12.294	104	112	1.896	ug/l #	45
71) Bromoform	12.731	173	350	3.621	ug/l #	1
74) N-amyl acetate	12.355	43	4441	1.262	ug/l #	50
76) 1,2,3-Trichloropropane	12.734	75	86198	33.696	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	86198	96.878	ug/l #	6
82) 4-Chlorotoluene	13.238	91	1542	0.216	ug/l #	45
84) 1,2,4-Trimethylbenzene	13.372	105	1960	0.226	ug/l	97
90) Hexachloroethane	14.321	117	3243	2.184	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.426	75	337	0.633	ug/l #	16
95) Naphthalene	15.509	128	14953	5.408	ug/l	99

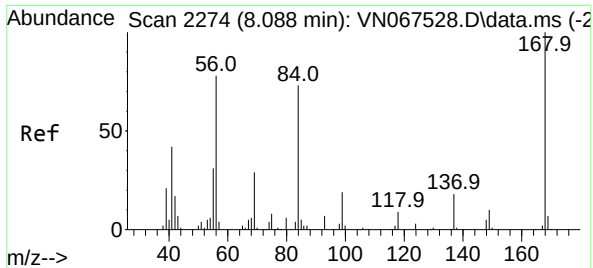
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062821W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 28 14:31:03 2021
Response via : Initial Calibration

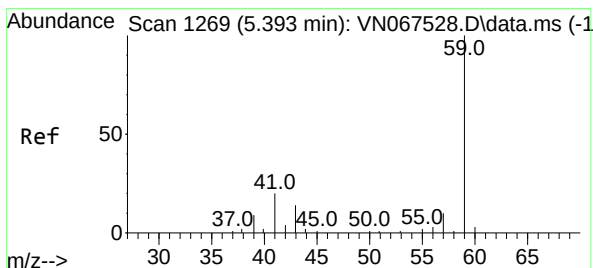
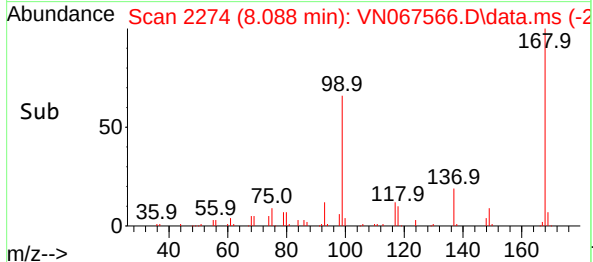
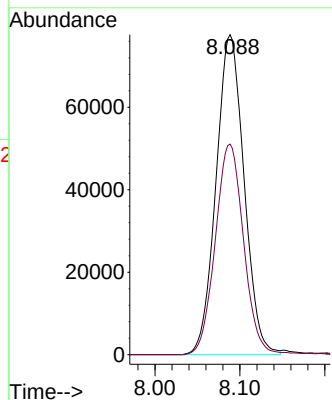
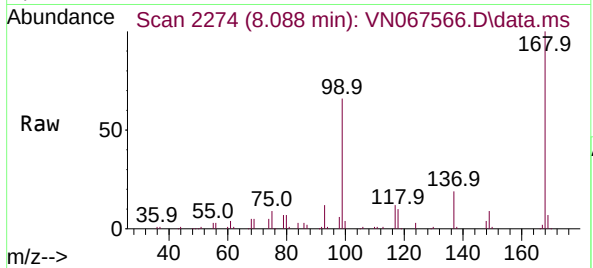




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

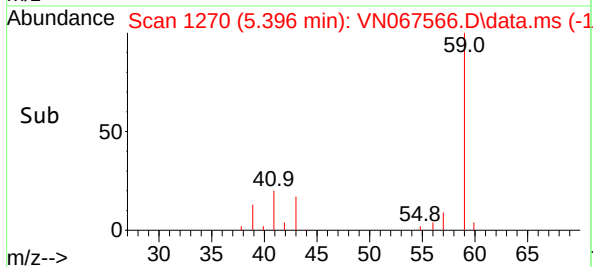
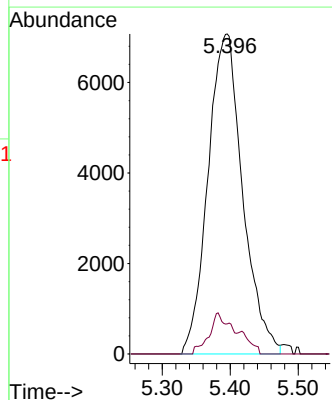
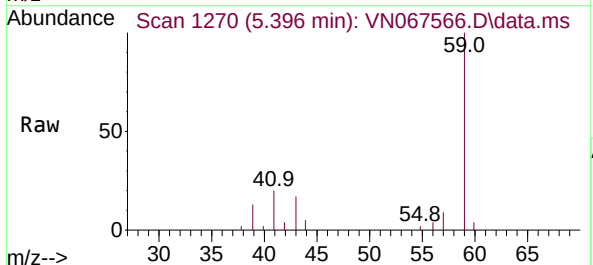
Instrument :
MSVOA_N
ClientSampled :

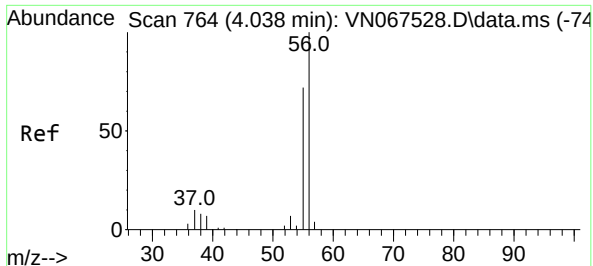
Tgt Ion:168 Resp: 178028
Ion Ratio Lower Upper
168 100
99 65.8 62.9 94.3



#11
Tert butyl alcohol
Concen: 68.912 ug/l
RT: 5.396 min Scan# 1270
Delta R.T. 0.003 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 59 Resp: 25063
Ion Ratio Lower Upper
59 100
57 5.5 8.7 13.1#

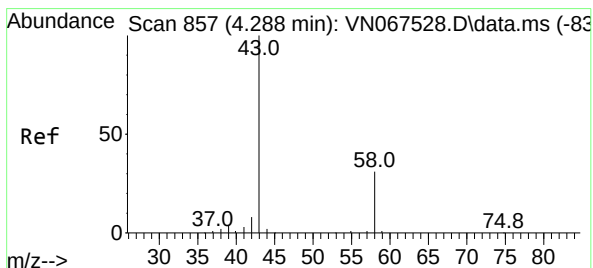
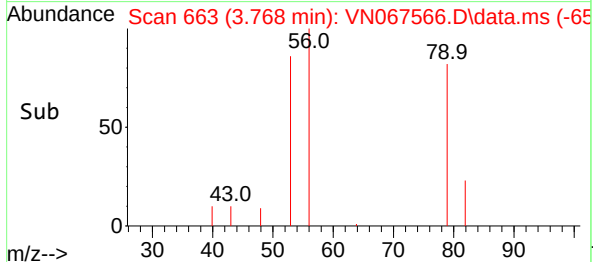
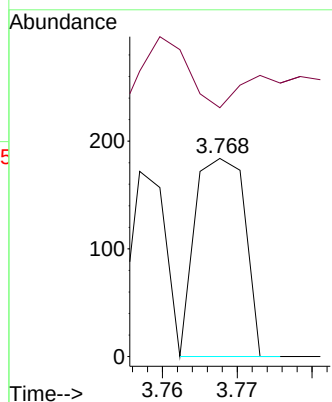
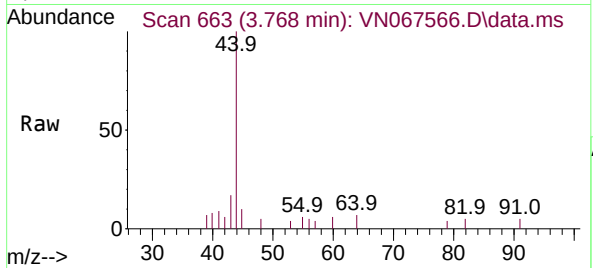




#13
Acrolein
Concen: 2.578 ug/l
RT: 3.768 min Scan# 663
Delta R.T. -0.270 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

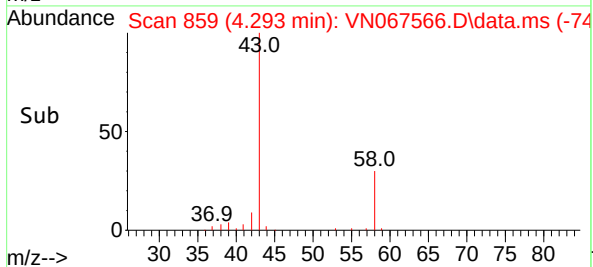
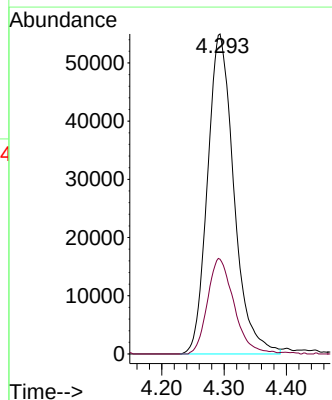
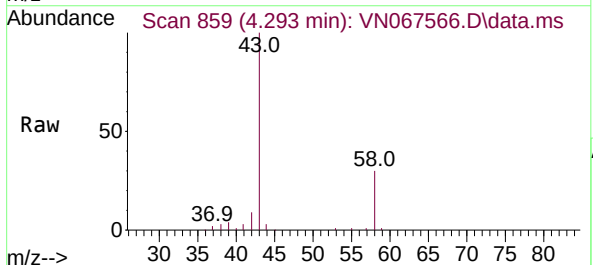
Instrument :
MSVOA_N
ClientSampled :

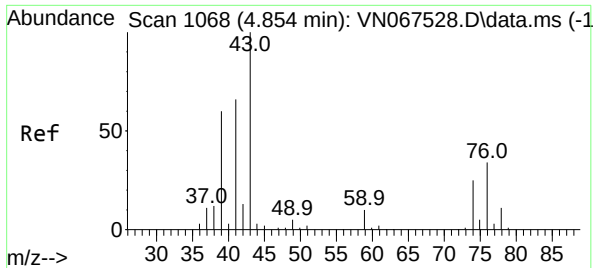
Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 201.147 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 43 Resp: 161653
Ion Ratio Lower Upper
43 100
58 29.6 21.2 31.8

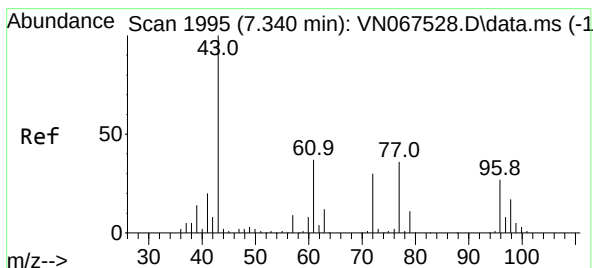
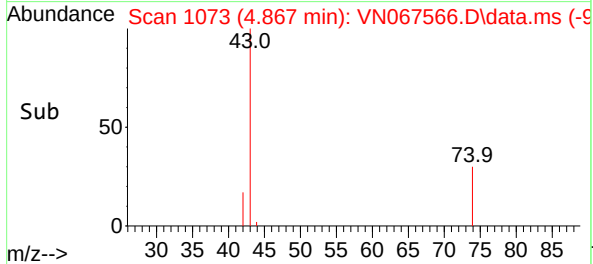
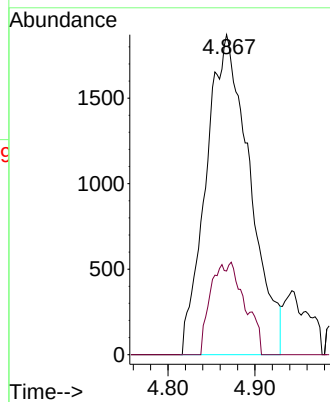
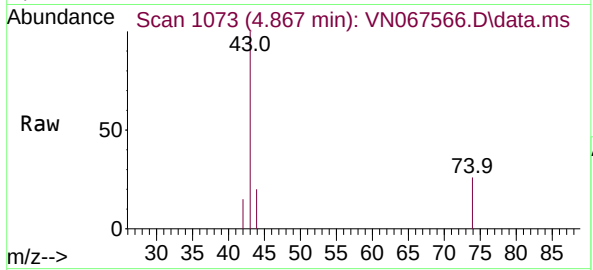




#18
Methyl Acetate
Concen: 3.040 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

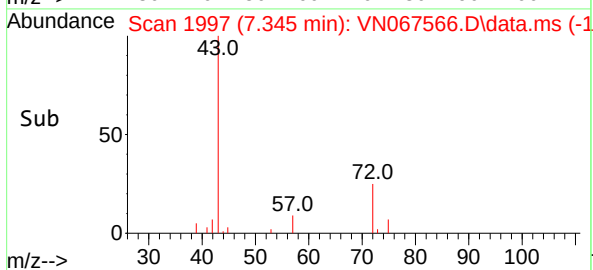
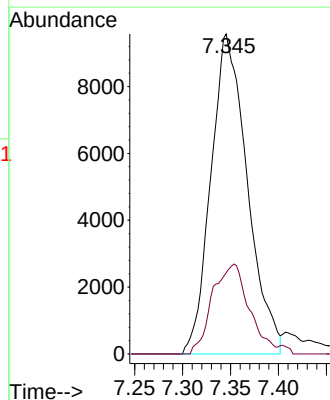
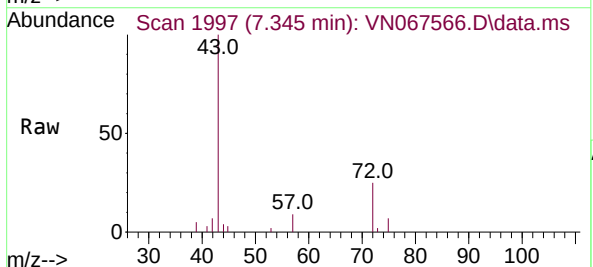
Instrument :
MSVOA_N
ClientSampled :

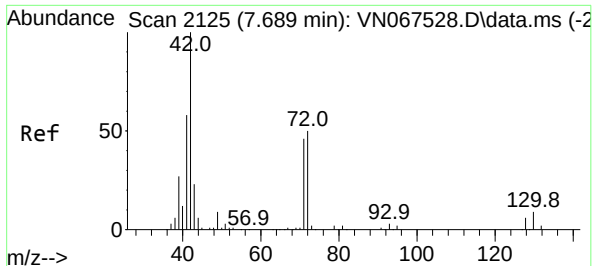
Tgt Ion: 43 Resp: 6518
Ion Ratio Lower Upper
43 100
74 10.9 17.4 26.0#



#25
2-Butanone
Concen: 20.425 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 43 Resp: 25314
Ion Ratio Lower Upper
43 100
72 25.4 19.7 29.5





#29

Tetrahydrofuran

Concen: 95.836 ug/l

RT: 7.694 min Scan# 2127

Delta R.T. 0.005 min

Lab File: VN067566.D

Acq: 29 Jun 2021 20:33

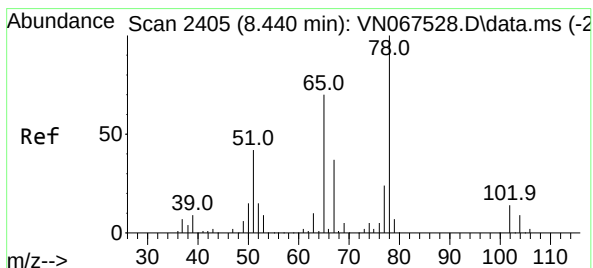
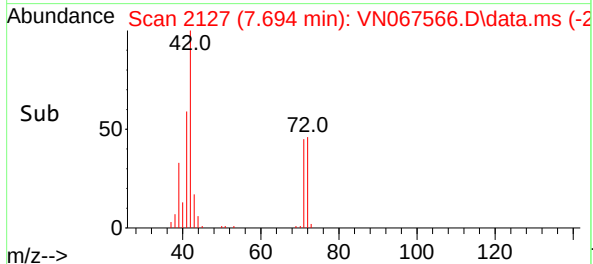
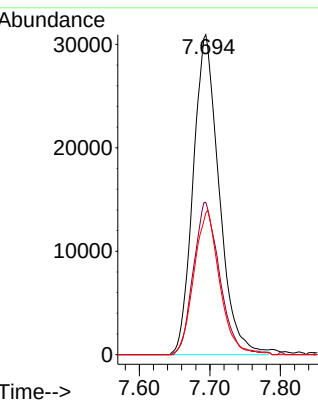
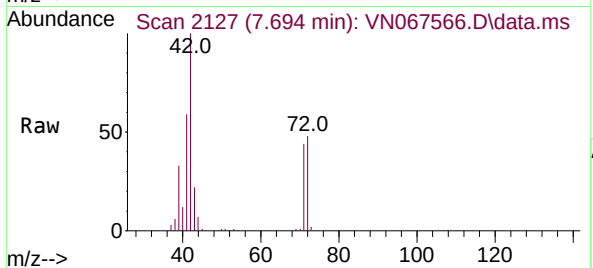
Tgt Ion: 42 Resp: 79091

Ion Ratio Lower Upper

42 100

72 47.5 32.8 49.2

71 44.7 31.2 46.8



#33

1,2-Dichloroethane-d4

Concen: 55.849 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN067566.D

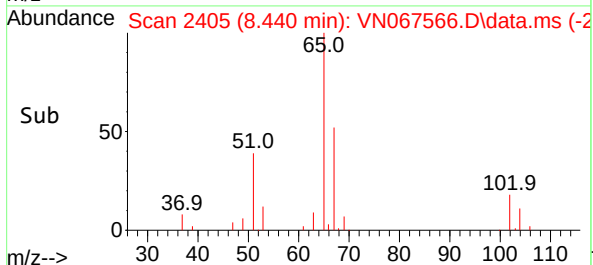
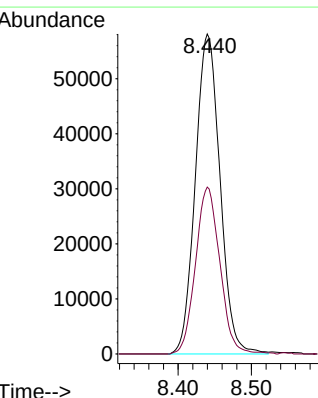
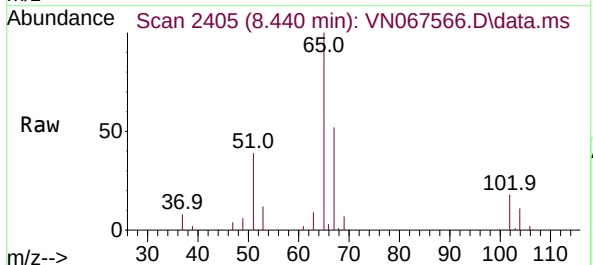
Acq: 29 Jun 2021 20:33

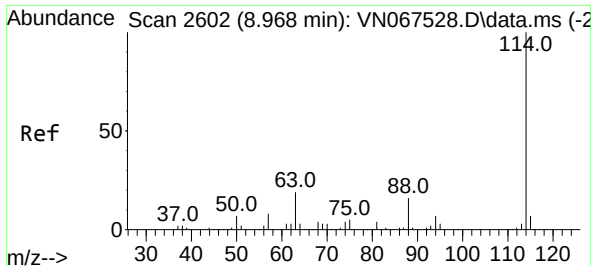
Tgt Ion: 65 Resp: 136075

Ion Ratio Lower Upper

65 100

67 51.3 0.0 98.6

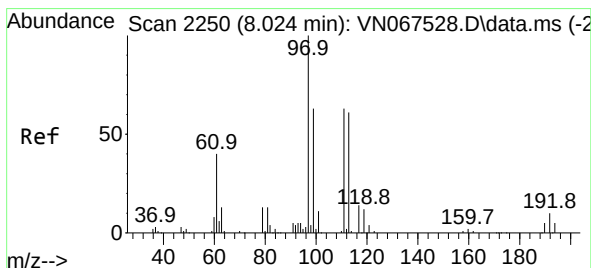
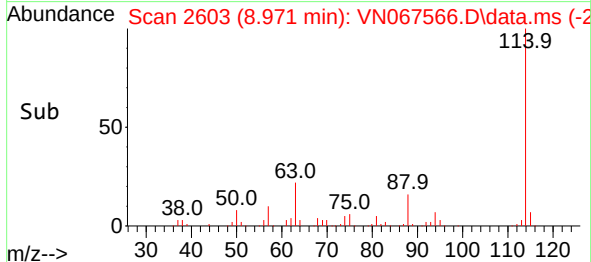
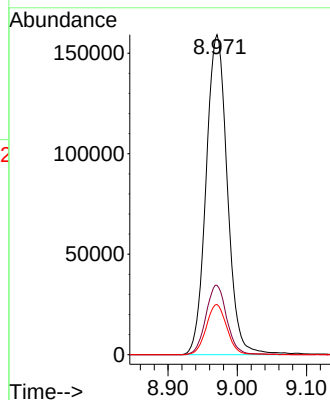
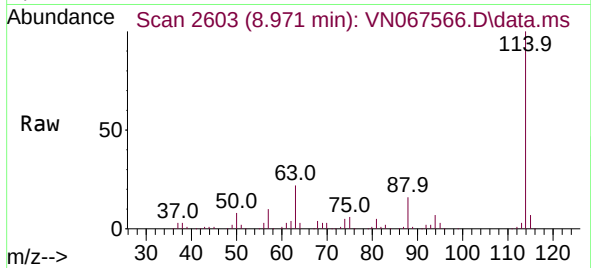




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

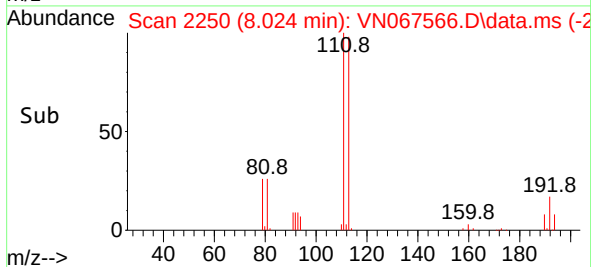
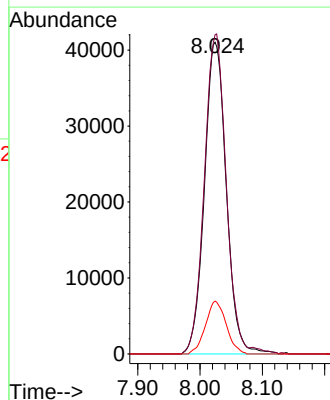
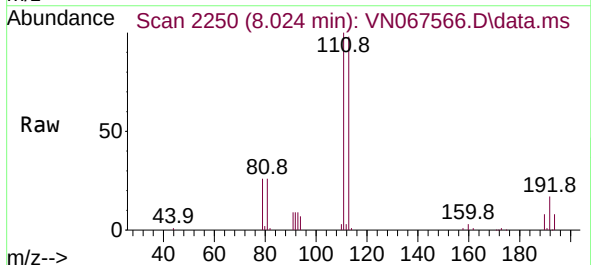
Instrument :
MSVOA_N
ClientSampled :

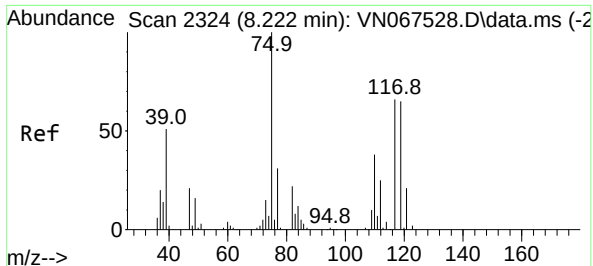
Tgt Ion:114 Resp: 338875
Ion Ratio Lower Upper
114 100
63 21.7 0.0 49.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.684 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

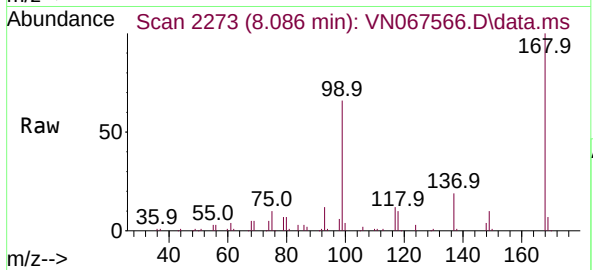
Tgt Ion:113 Resp: 100185
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.8
192 16.1 13.4 20.0



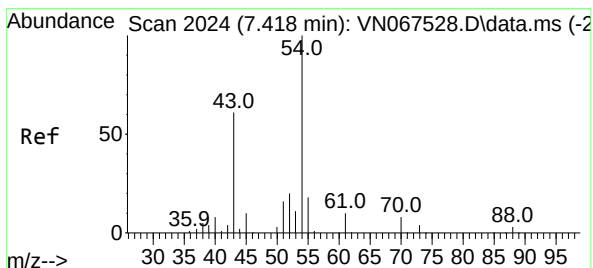
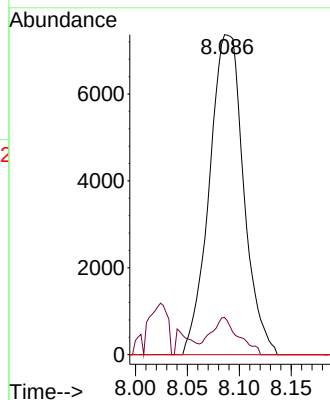
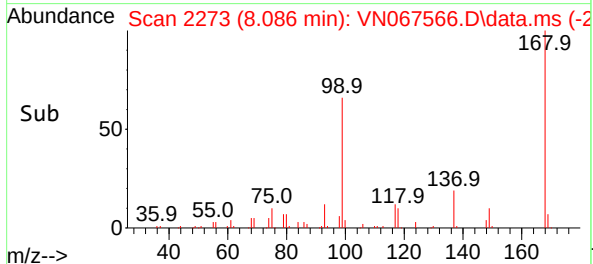


#36
 1,1-Dichloropropene
 Concen: 5.533 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.136 min
 Lab File: VN067566.D
 Acq: 29 Jun 2021 20:33

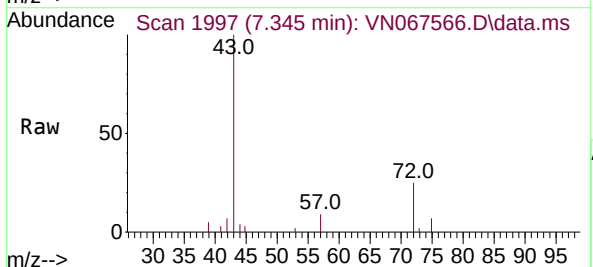
Instrument :
 MSVOA_N
 ClientSampled :



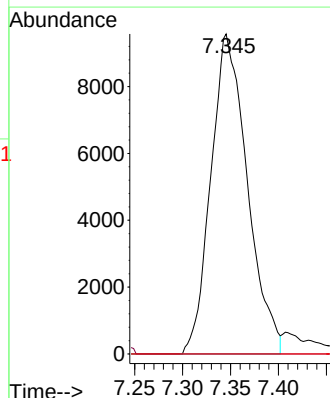
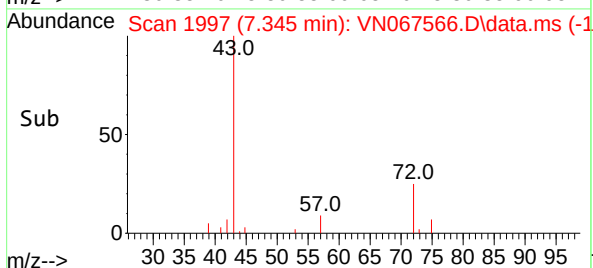
Tgt Ion: 75 Resp: 16928
 Ion Ratio Lower Upper
 75 100
 110 9.4 15.7 47.0#
 77 0.0 24.6 37.0#

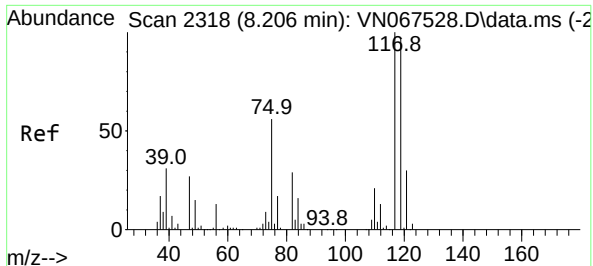


#37
 Ethyl Acetate
 Concen: 9.011 ug/l
 RT: 7.345 min Scan# 1997
 Delta R.T. -0.073 min
 Lab File: VN067566.D
 Acq: 29 Jun 2021 20:33



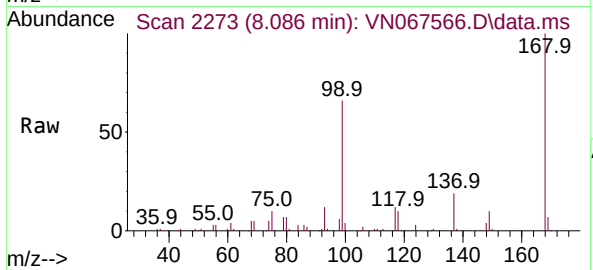
Tgt Ion: 43 Resp: 25314
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.1 12.1#



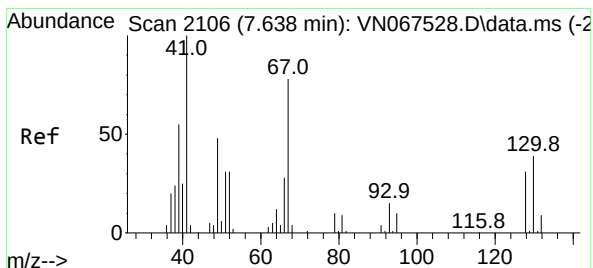
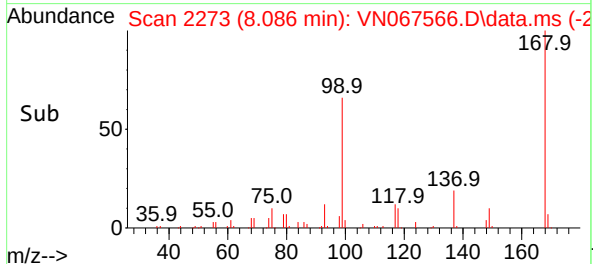
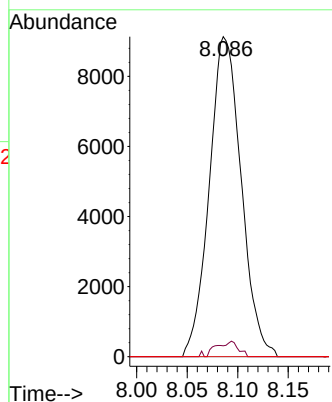


#38
Carbon Tetrachloride
Concen: 6.122 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Instrument :
MSVOA_N
ClientSampled :

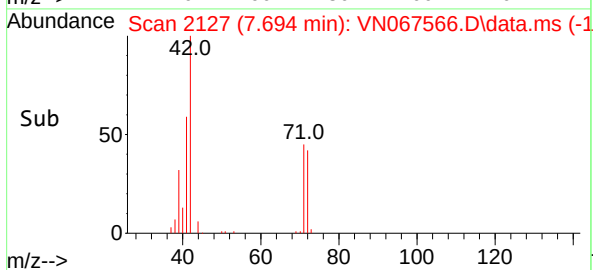
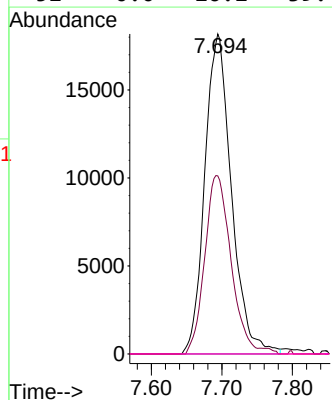
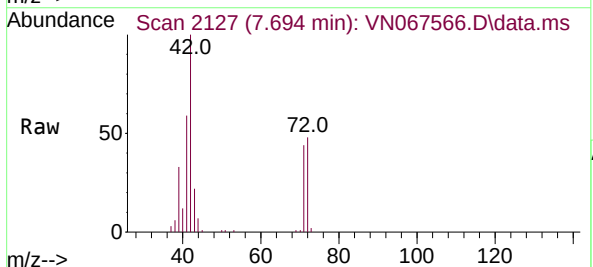


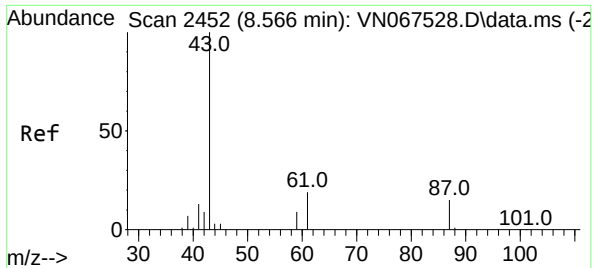
Tgt Ion:117 Resp: 20063
Ion Ratio Lower Upper
117 100
119 3.4 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 34.106 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.056 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 41 Resp: 47762
Ion Ratio Lower Upper
41 100
39 55.4 47.6 71.4
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

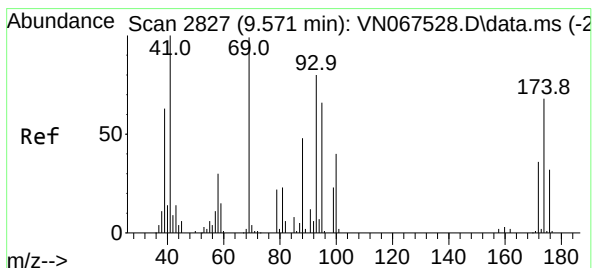
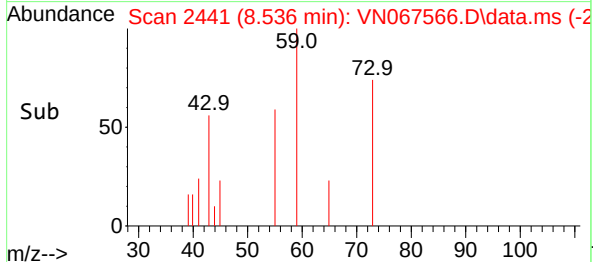
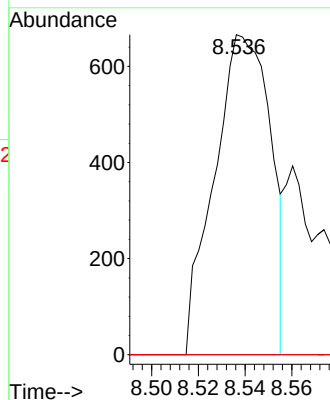
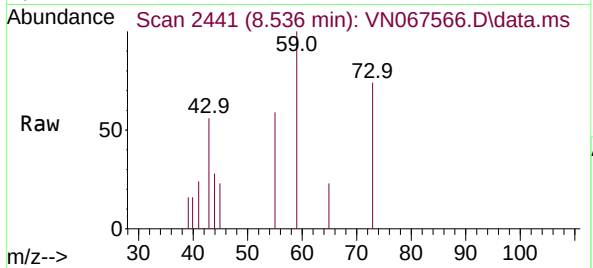




#43
Isopropyl Acetate
Concen: 0.233 ug/l
RT: 8.536 min Scan# 2441
Delta R.T. -0.030 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

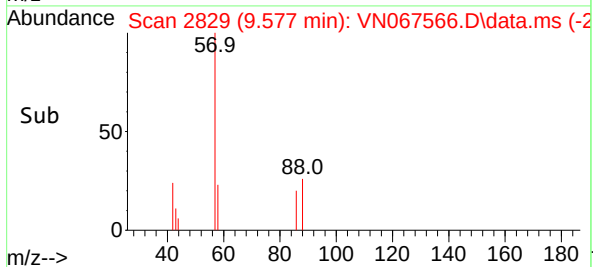
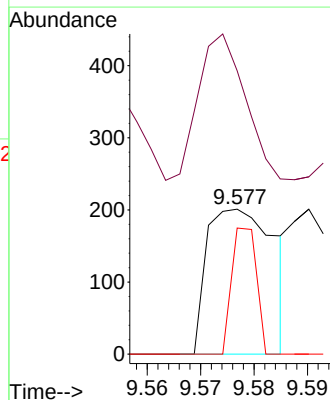
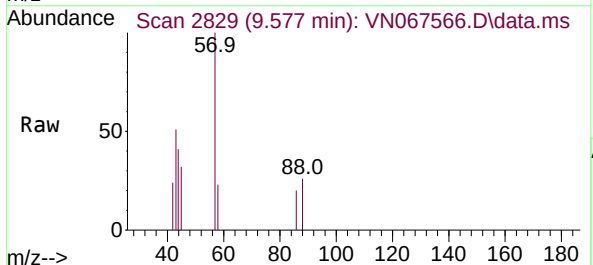
Instrument :
MSVOA_N
ClientSampled :

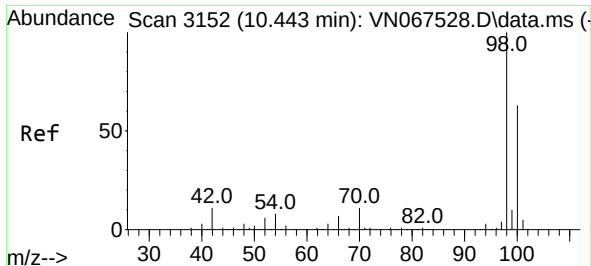
Tgt Ion: 43	Resp: 1117
Ion Ratio	Lower Upper
43	100
61	0.0 19.0 28.4#
87	0.0 9.5 14.3#



#49
1,4-Dioxane
Concen: 30.394 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.006 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 88	Resp: 176
Ion Ratio	Lower Upper
88	100
43	0.0 28.8 43.2#
58	31.8 60.4 90.6#

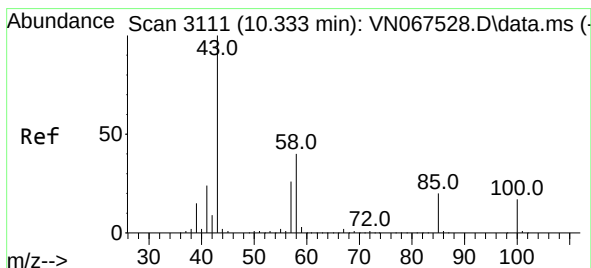
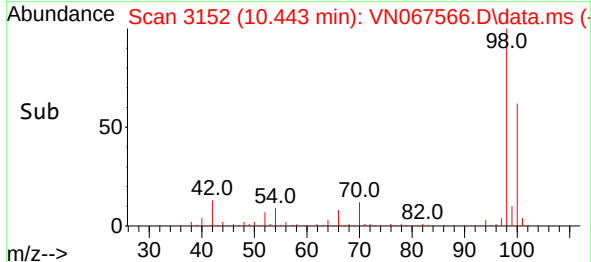
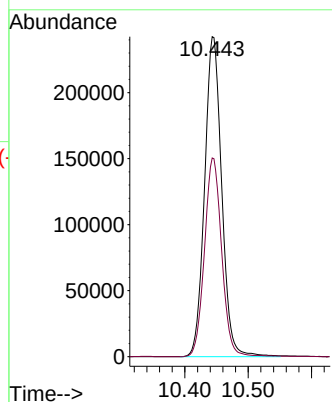
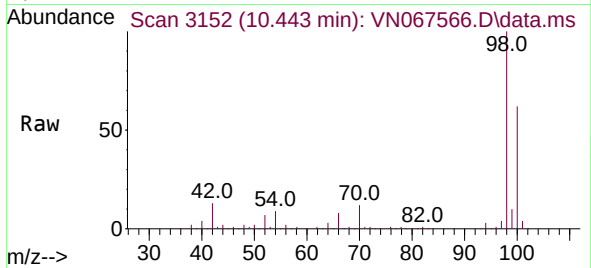




#50
Toluene-d8
Concen: 53.365 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

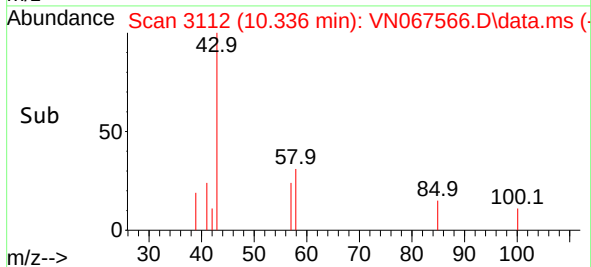
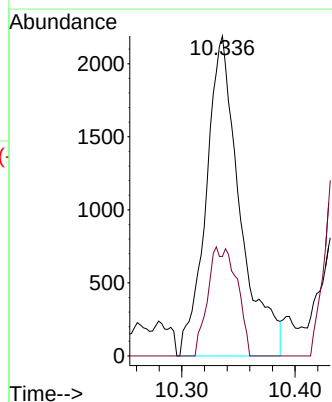
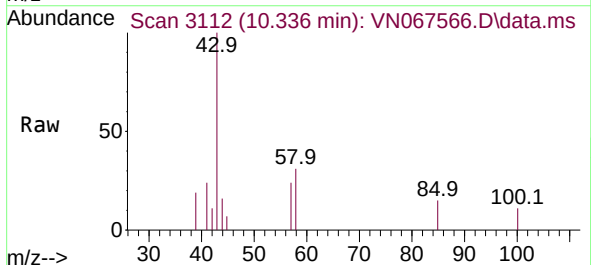
Instrument :
MSVOA_N
ClientSampled :

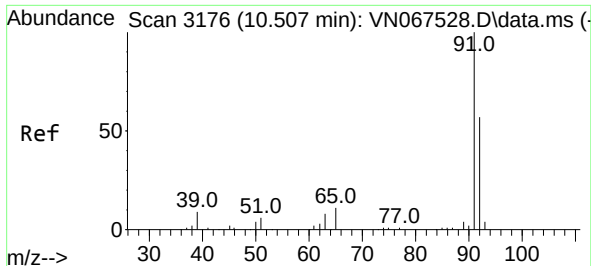
Tgt Ion: 98 Resp: 455460
Ion Ratio Lower Upper
98 100
100 62.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.569 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 43 Resp: 4543
Ion Ratio Lower Upper
43 100
58 15.4 28.6 43.0#

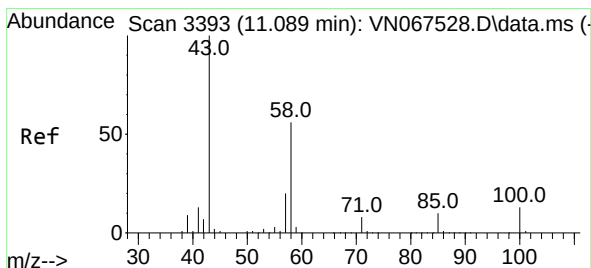
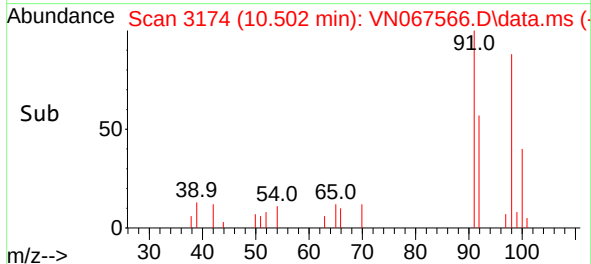
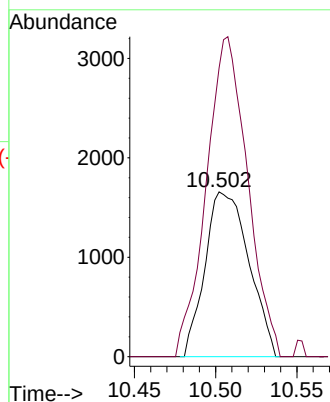
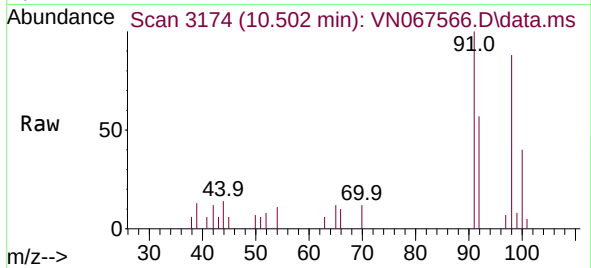




#52
Toluene
Concen: 0.514 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.005 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

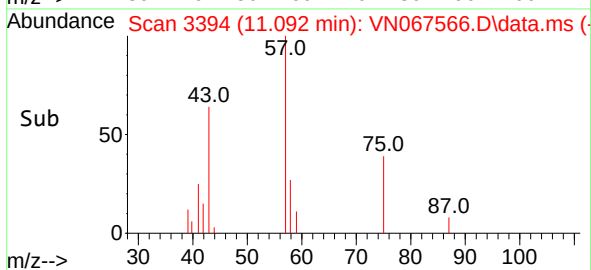
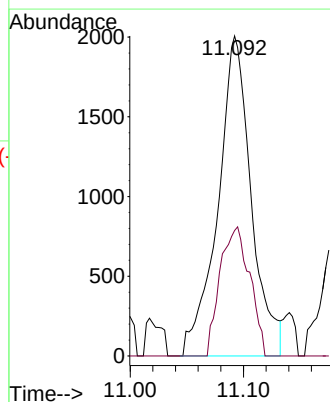
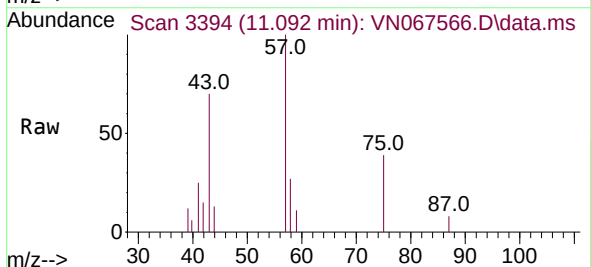
Instrument :
MSVOA_N
ClientSampleId :

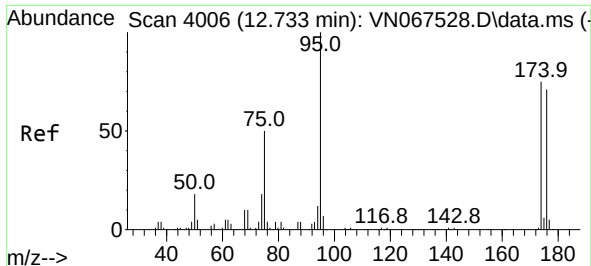
Tgt Ion: 92 Resp: 3108
Ion Ratio Lower Upper
92 100
91 182.8 139.6 209.4



#59
2-Hexanone
Concen: 2.006 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 43 Resp: 4100
Ion Ratio Lower Upper
43 100
58 35.9 24.7 74.1

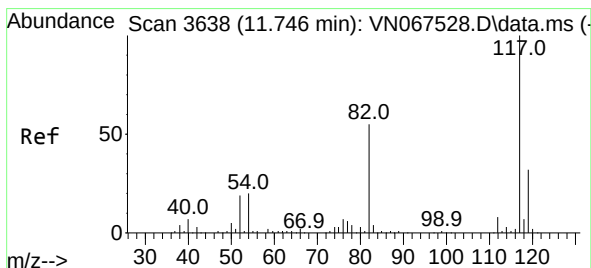
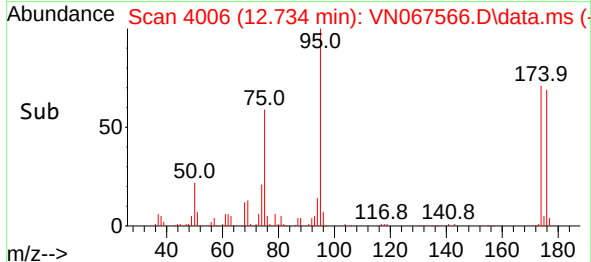
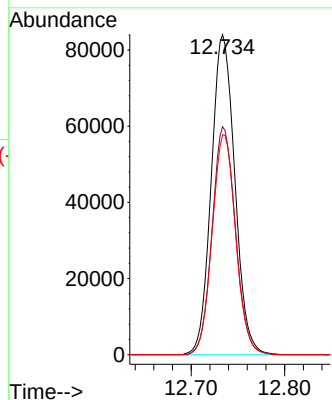
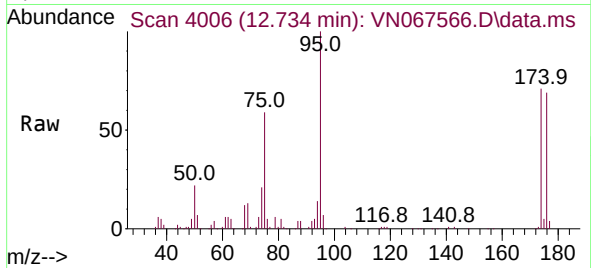




#62
4-Bromofluorobenzene
Concen: 49.330 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

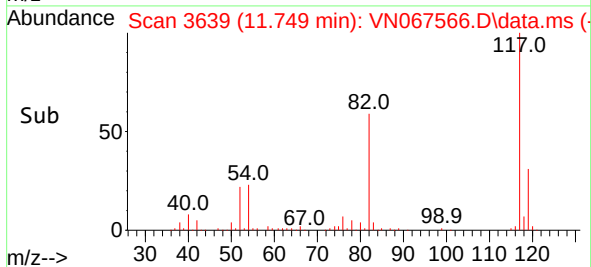
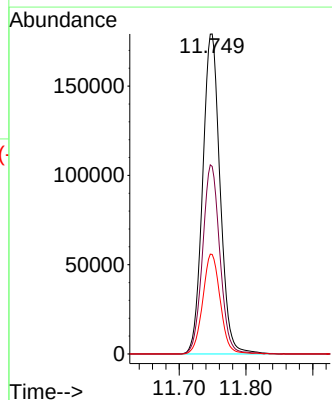
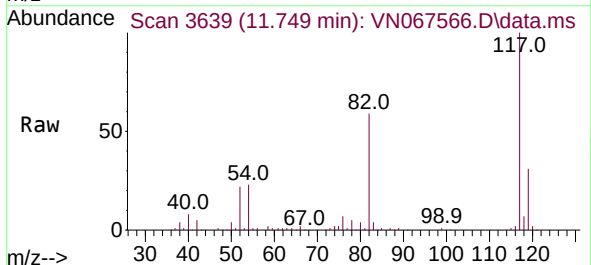
Instrument :
MSVOA_N
ClientSampleId :

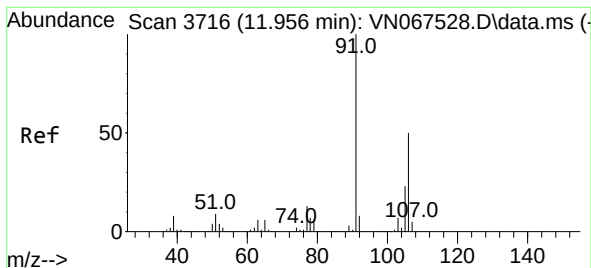
Tgt Ion: 95 Resp: 147063
Ion Ratio Lower Upper
95 100
174 70.8 0.0 122.0
176 68.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 117 Resp: 324726
Ion Ratio Lower Upper
117 100
82 58.6 53.1 79.7
119 31.1 25.5 38.3

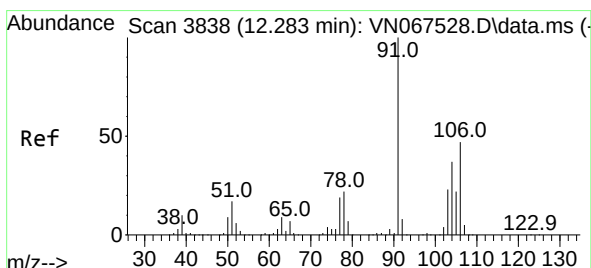
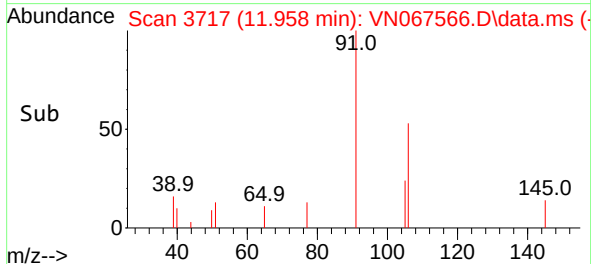
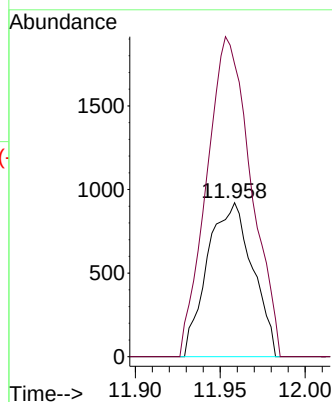
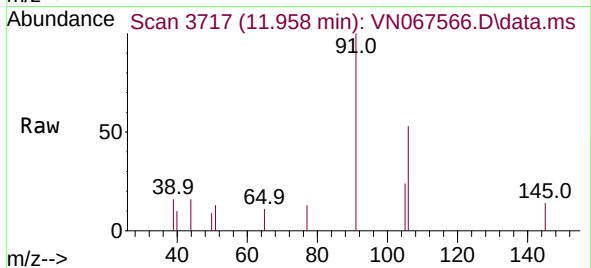




#68
m/p-Xylenes
Concen: 0.367 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.002 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

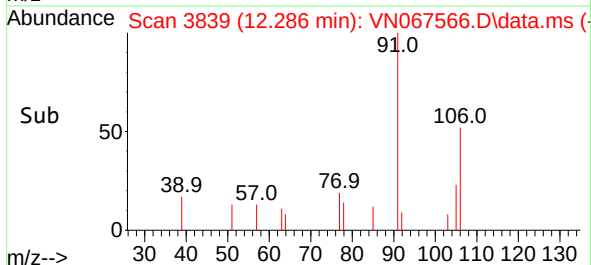
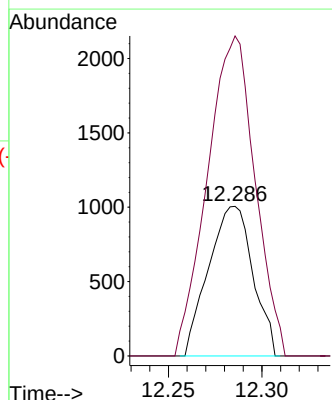
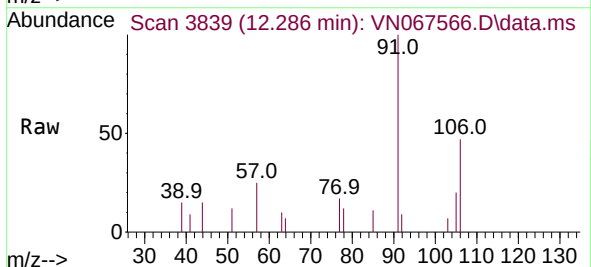
Instrument :
MSVOA_N
ClientSampled :

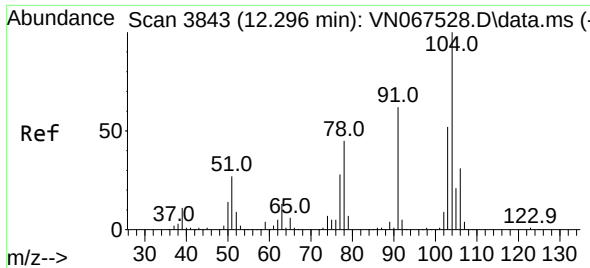
Tgt Ion:106 Resp: 1700
Ion Ratio Lower Upper
106 100
91 204.8 180.6 270.8



#69
o-Xylene
Concen: 0.363 ug/l
RT: 12.286 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion:106 Resp: 1665
Ion Ratio Lower Upper
106 100
91 228.6 118.3 354.9

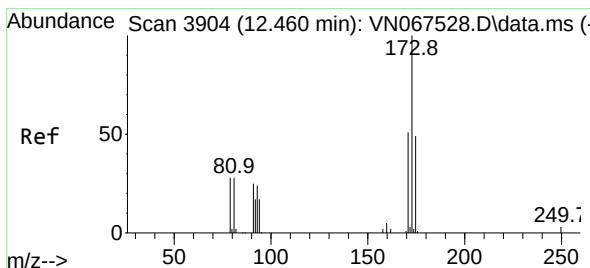
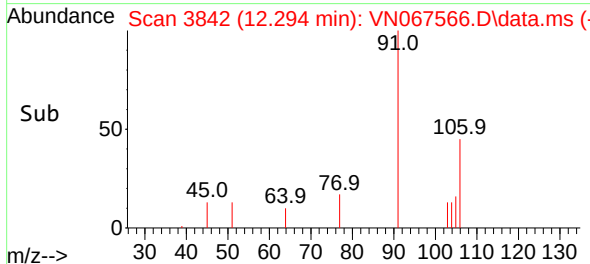
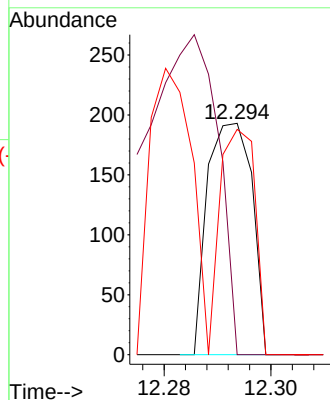
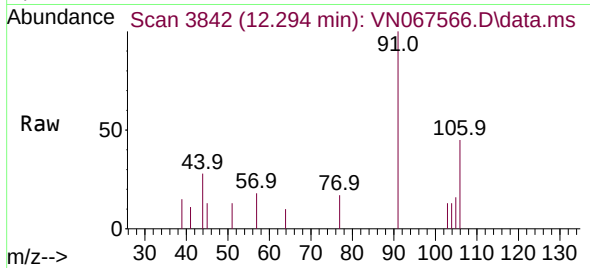




#70
Styrene
Concen: 1.896 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.002 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

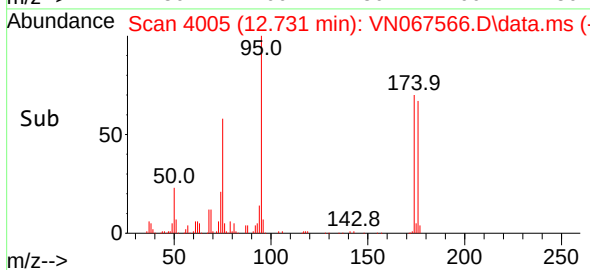
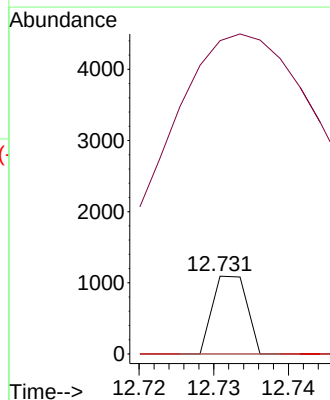
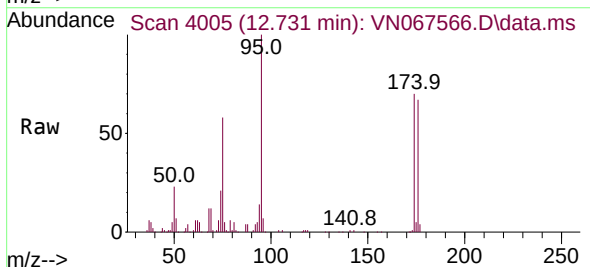
Instrument :
MSVOA_N
ClientSampled :

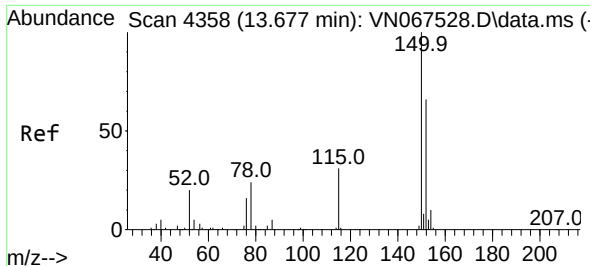
Tgt Ion:104 Resp: 112
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 76.8 44.5 66.7#



#71
Bromoform
Concen: 3.621 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion:173 Resp: 350
Ion Ratio Lower Upper
173 100
175 2099.4 23.9 71.8#
254 0.0 0.0 0.0

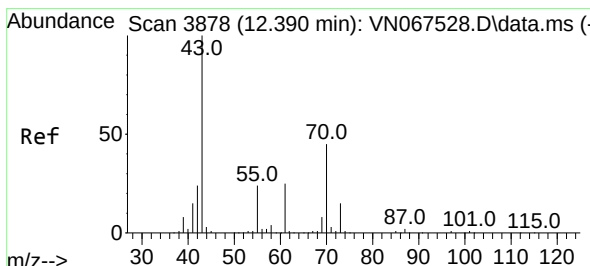
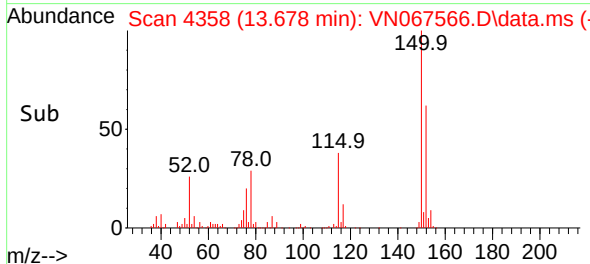
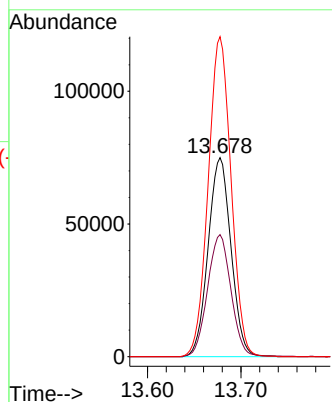
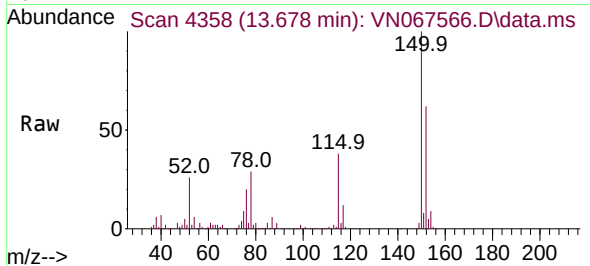




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

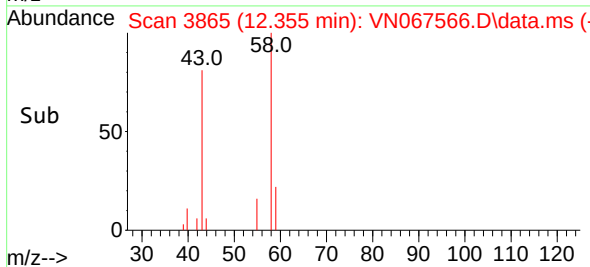
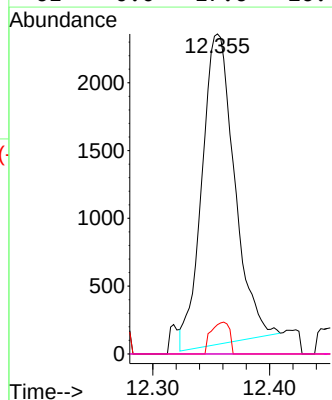
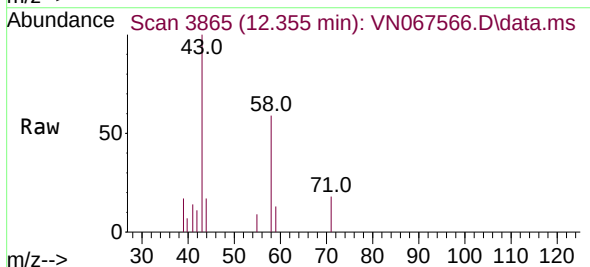
Instrument :
MSVOA_N
ClientSampleId :

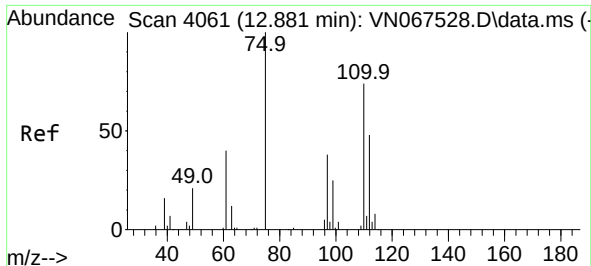
Tgt Ion:152 Resp: 127624
Ion Ratio Lower Upper
152 100
115 62.8 36.1 108.5
150 160.4 0.0 351.8



#74
N-ethyl acetate
Concen: 1.262 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.035 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 43 Resp: 4441
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.2#
55 5.8 17.0 25.4#
61 0.0 17.6 26.4#

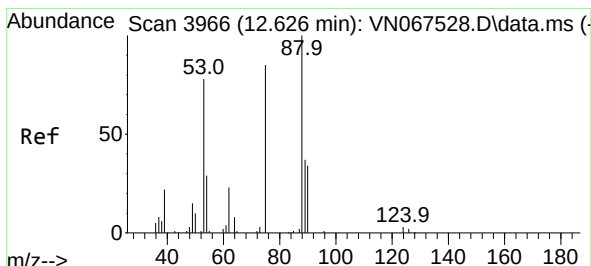
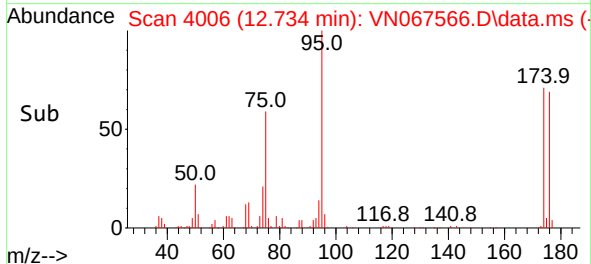
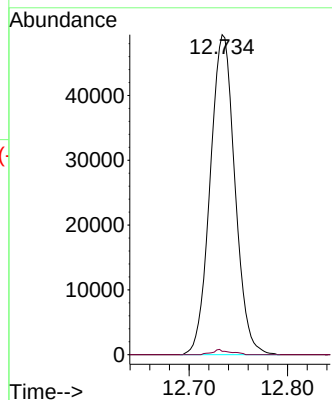
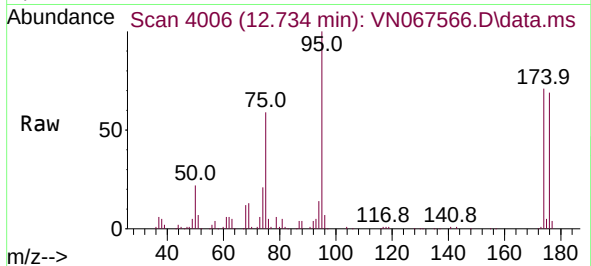




#76
1,2,3-Trichloropropane
Concen: 33.696 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

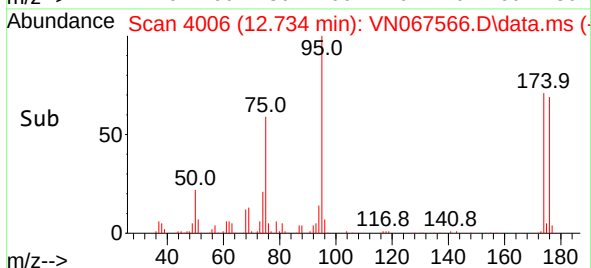
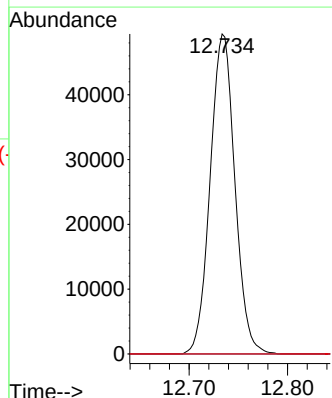
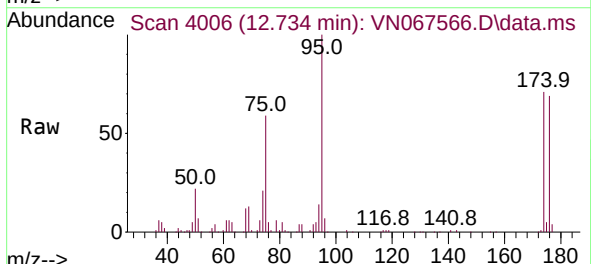
Instrument :
MSVOA_N
ClientSampled :

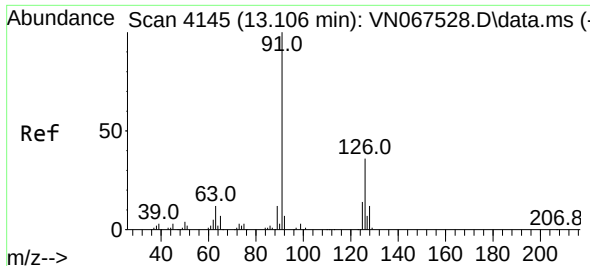
Tgt Ion: 75 Resp: 86198
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.878 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 75 Resp: 86198
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

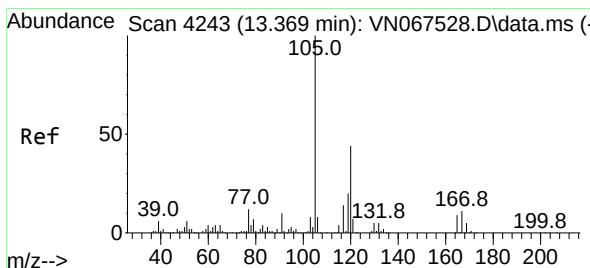
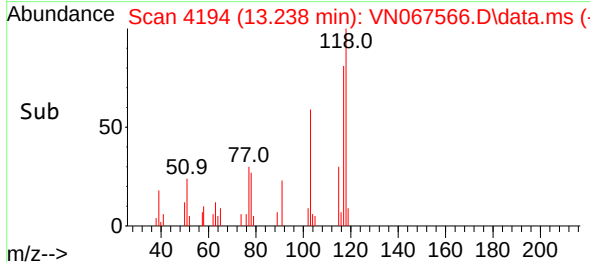
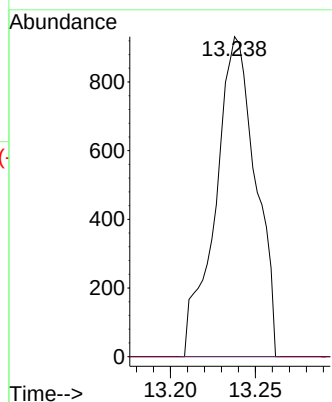
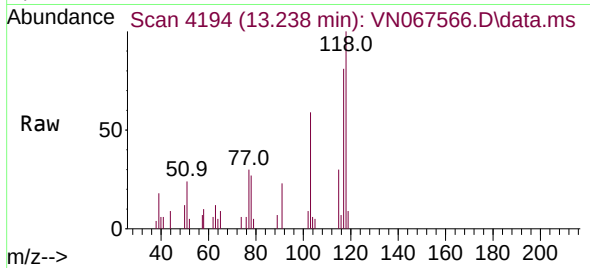




#82
4-Chlorotoluene
Concen: 0.216 ug/l
RT: 13.238 min Scan# 4194
Delta R.T. 0.132 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

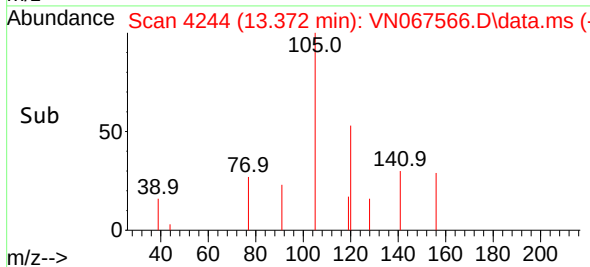
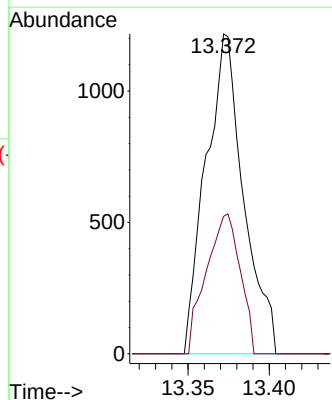
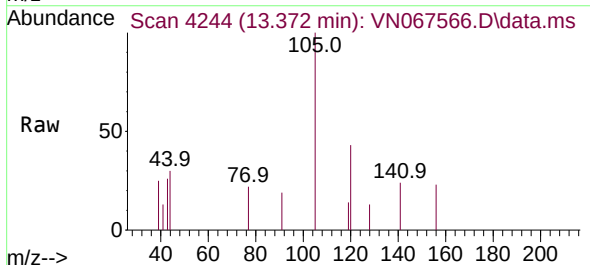
Instrument :
MSVOA_N
ClientSampled :

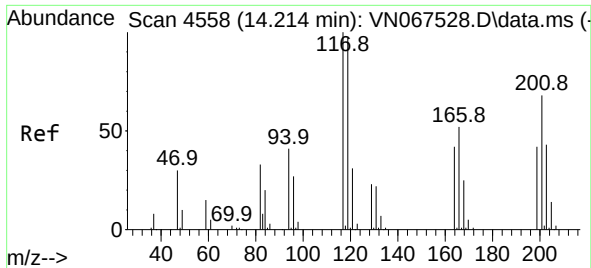
Tgt Ion: 91 Resp: 1542
Ion Ratio Lower Upper
91 100
126 0.0 14.8 44.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.226 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Tgt Ion: 105 Resp: 1960
Ion Ratio Lower Upper
105 100
120 39.4 20.6 61.8

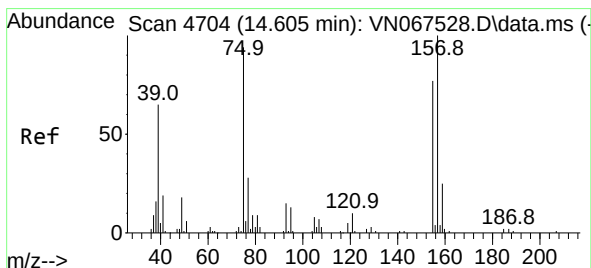
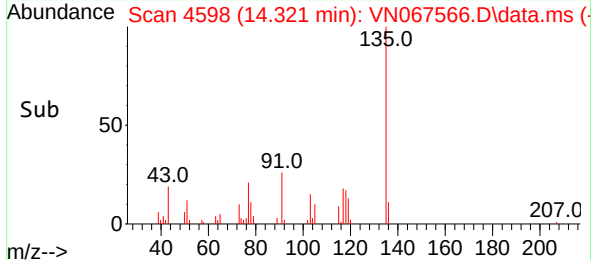
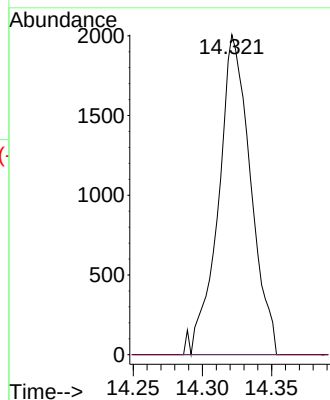
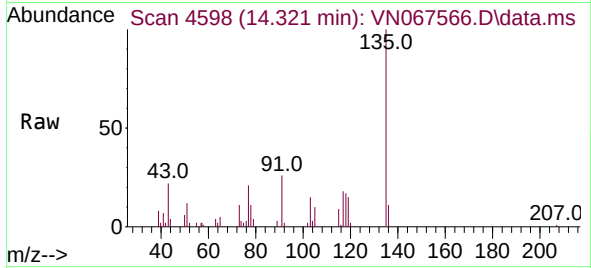




#90
Hexachloroethane
Concen: 2.184 ug/l
RT: 14.321 min Scan# 4598
Delta R.T. 0.107 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

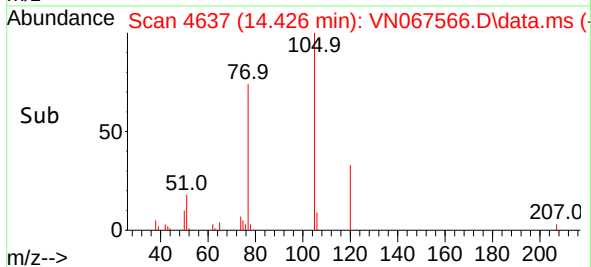
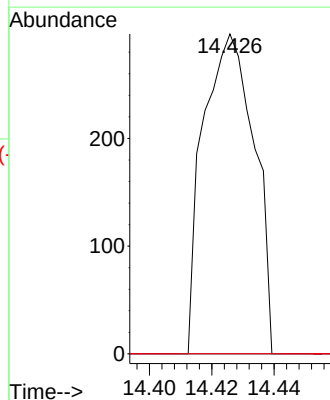
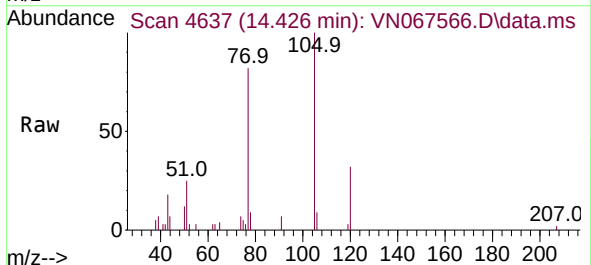
Instrument :
MSVOA_N
ClientSampled :

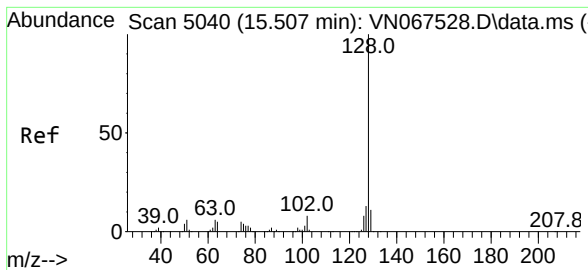
Tgt Ion:117 Resp: 3243
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.633 ug/l
RT: 14.426 min Scan# 4637
Delta R.T. -0.179 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

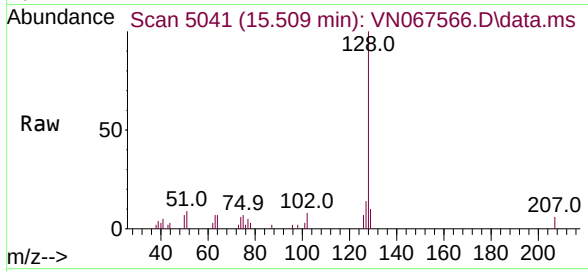
Tgt Ion: 75 Resp: 337
Ion Ratio Lower Upper
75 100
155 0.0 29.8 89.5#
157 0.0 37.6 112.8#





#95
Naphthalene
Concen: 5.408 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067566.D
Acq: 29 Jun 2021 20:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	14953
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	15.8
129	10.5	8.6	12.8

