

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
 Data File : VN067562.D
 Acq On : 29 Jun 2021 18:54
 Operator : JC/MD
 Sample : M2806-02 40X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 30 03:40:37 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)

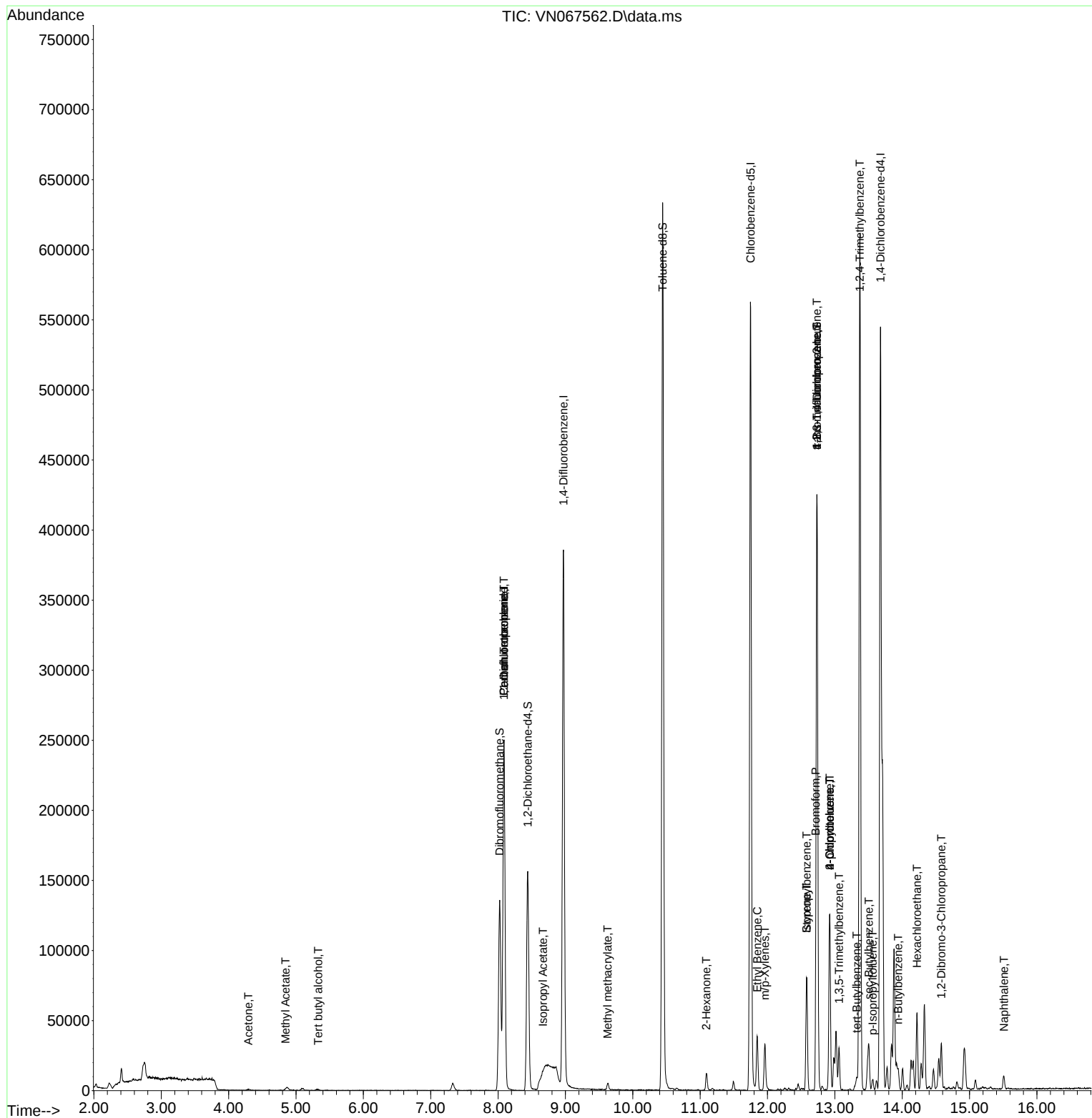
Internal Standards						
1) Pentafluorobenzene	8.088	168	176291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	328668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	319227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	135228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	131522	54.512	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.020%			
35) Dibromofluoromethane	8.024	113	95519	46.875	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.760%			
50) Toluene-d8	10.443	98	445320	53.797	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.600%			
62) 4-Bromofluorobenzene	12.733	95	148561	51.380	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.760%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.331	59	408	1.133	ug/l #	71
16) Acetone	4.293	43	334	0.420	ug/l #	48
18) Methyl Acetate	4.846	43	1219	0.574	ug/l #	46
31) Cyclohexane	8.083	56	4852	Below Cal	#	40
36) 1,1-Dichloropropene	8.086	75	16124	5.434	ug/l #	51
38) Carbon Tetrachloride	8.088	117	19972	6.284	ug/l #	16
43) Isopropyl Acetate	8.665	43	15423	3.314	ug/l #	58
48) Methyl methacrylate	9.628	41	543	0.266	ug/l #	34
59) 2-Hexanone	11.089	43	2409	1.215	ug/l #	50
67) Ethyl Benzene	11.848	91	28479	2.409	ug/l	95
68) m/p-Xylenes	11.964	106	9787	2.150	ug/l	88
70) Styrene	12.581	104	1318	2.041	ug/l #	1
71) Bromoform	12.717	173	133	3.521	ug/l #	29
73) Isopropylbenzene	12.581	105	55557	4.886	ug/l	100
76) 1,2,3-Trichloropropane	12.733	75	85879	31.684	ug/l #	100
78) n-propylbenzene	12.924	91	104031	8.208	ug/l	99
79) 2-Chlorotoluene	12.924	91	104031	13.435	ug/l #	46
80) 1,3,5-Trimethylbenzene	13.063	105	14652	1.572	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.733	75	85879	91.092	ug/l #	6
82) 4-Chlorotoluene	12.924	91	104031	13.748	ug/l #	45
83) tert-Butylbenzene	13.324	119	4541	0.562	ug/l	88
84) 1,2,4-Trimethylbenzene	13.372	105	357827	38.997	ug/l	97
85) sec-Butylbenzene	13.503	105	21729	1.955	ug/l #	79
86) p-Isopropyltoluene	13.562	119	4684	0.524	ug/l	95
89) n-Butylbenzene	13.940	91	8751	1.187	ug/l #	84
90) Hexachloroethane	14.219	117	2913	1.851	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.581	75	141	0.250	ug/l #	16
95) Naphthalene	15.509	128	9709	4.546	ug/l #	92

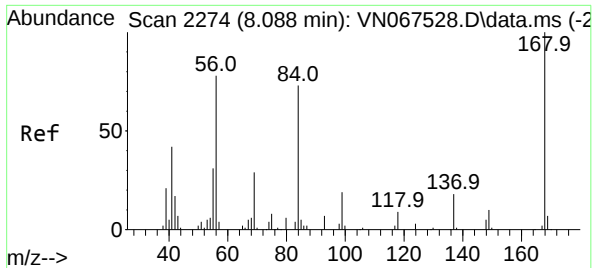
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
Data File : VN067562.D
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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

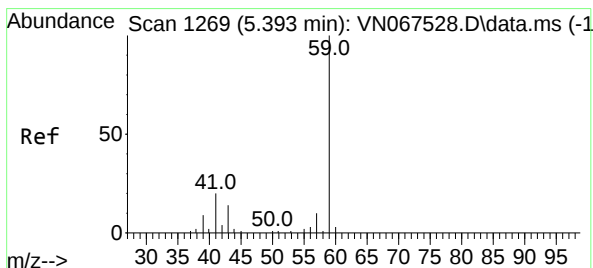
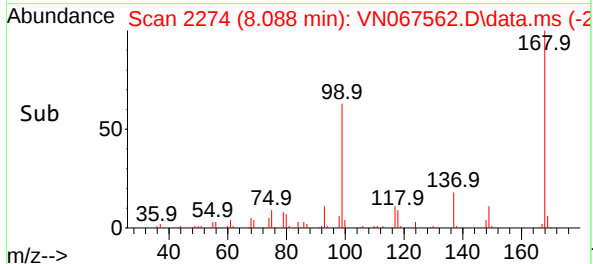
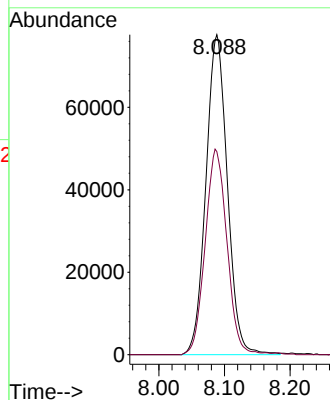
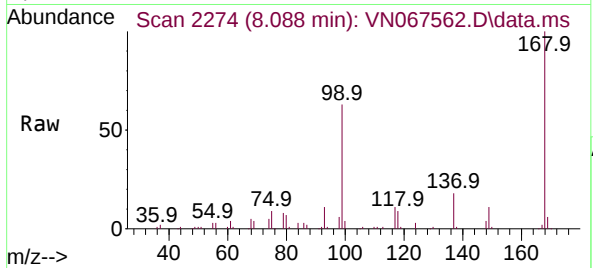




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

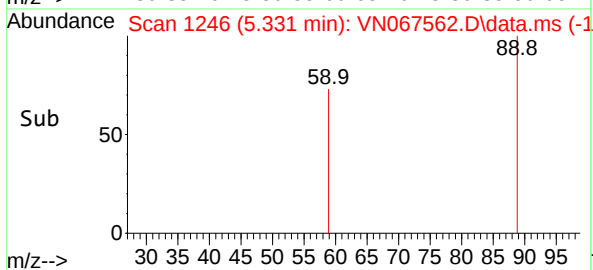
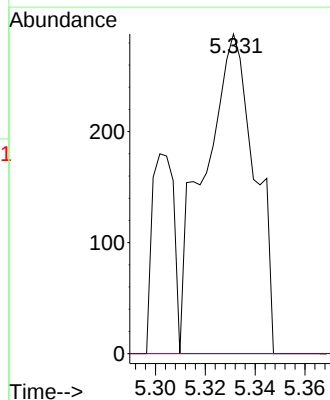
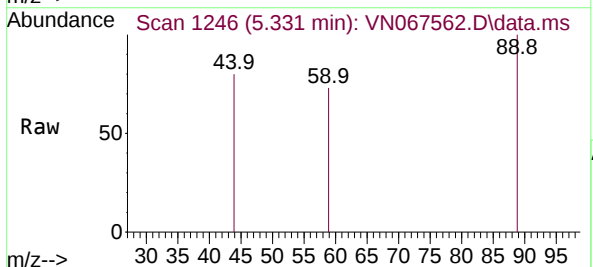
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MSVOA_N
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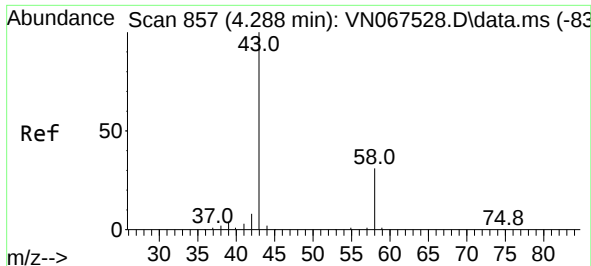
Tgt Ion:168 Resp: 176291
Ion Ratio Lower Upper
168 100
99 63.4 62.9 94.3



#11
Tert butyl alcohol
Concen: 1.133 ug/l
RT: 5.331 min Scan# 1246
Delta R.T. -0.062 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 59 Resp: 408
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

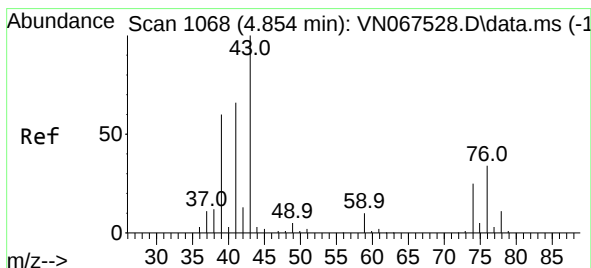
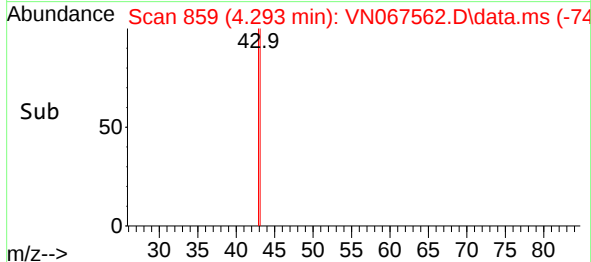
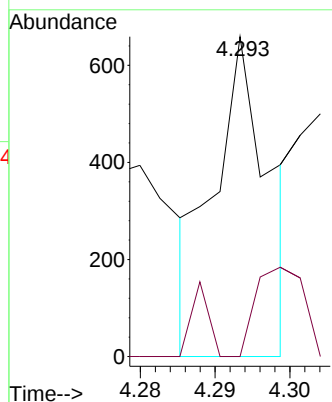
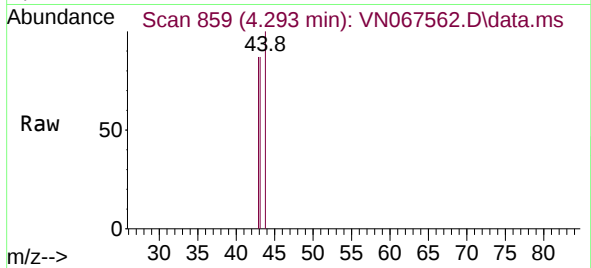




#16
Acetone
Concen: 0.420 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

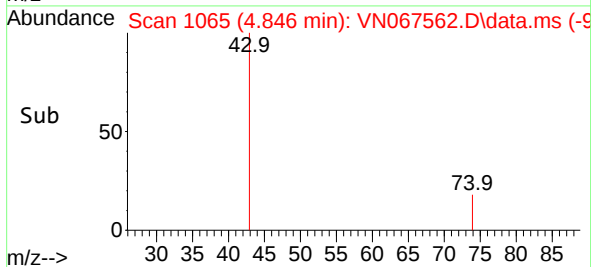
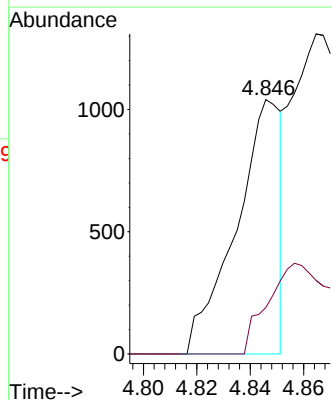
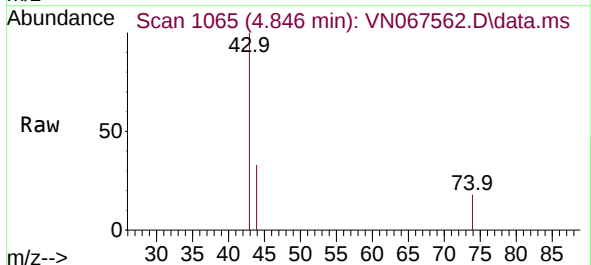
Instrument :
MSVOA_N
ClientSampled :

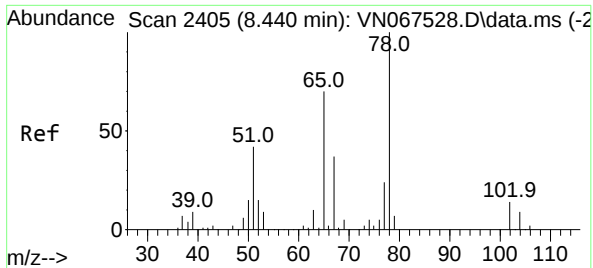
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#18
Methyl Acetate
Concen: 0.574 ug/l
RT: 4.846 min Scan# 1065
Delta R.T. -0.008 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
74 47.3 17.4 26.0#

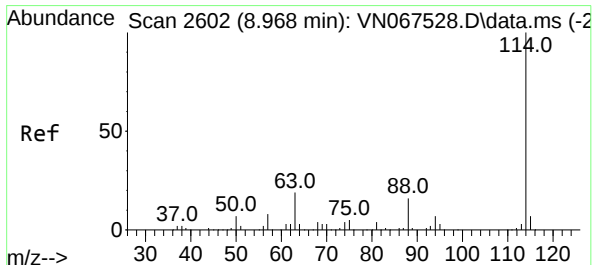
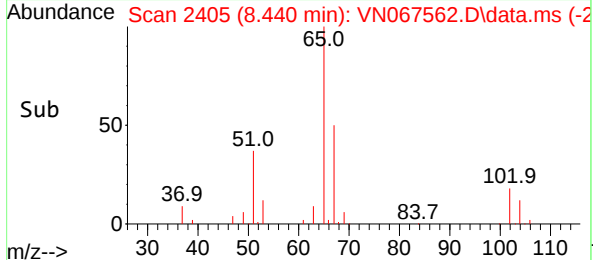
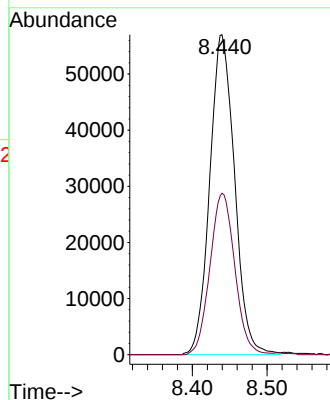
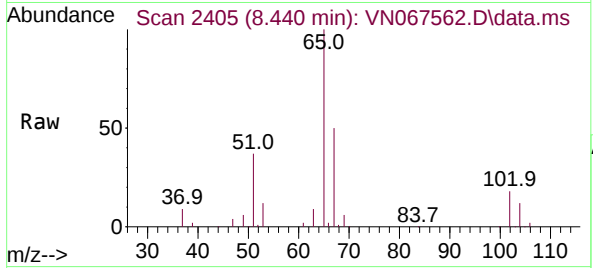




#33
1,2-Dichloroethane-d4
Concen: 54.512 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

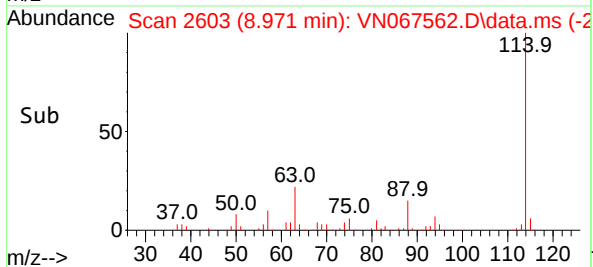
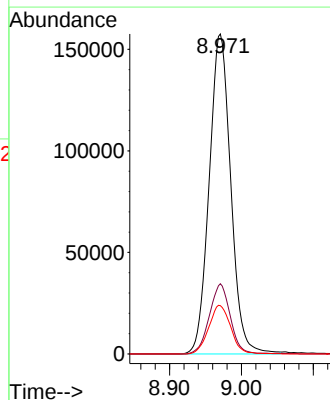
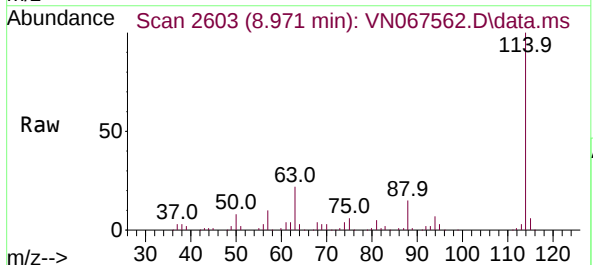
Instrument :
MSVOA_N
ClientSampled :

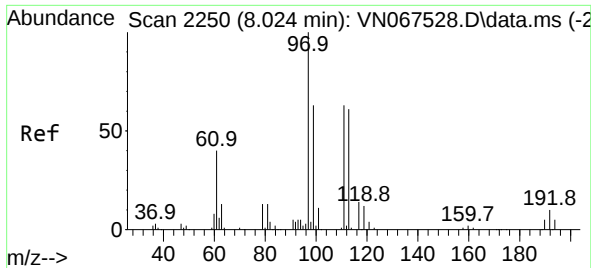
Tgt Ion: 65 Resp: 131522
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion:114 Resp: 328668
Ion Ratio Lower Upper
114 100
63 21.9 0.0 49.0
88 15.1 0.0 36.6

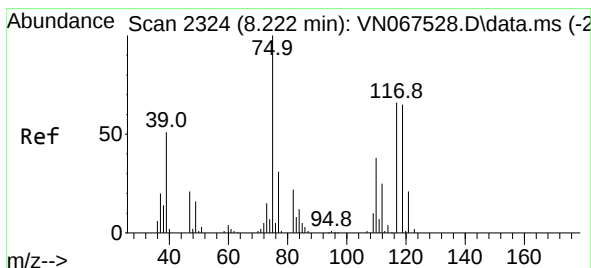
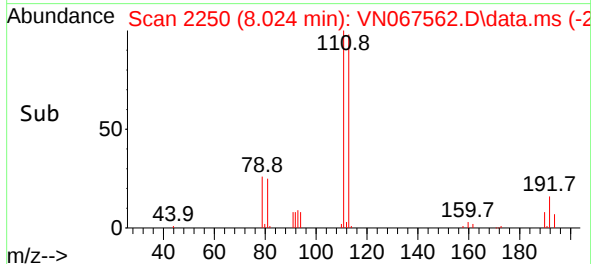
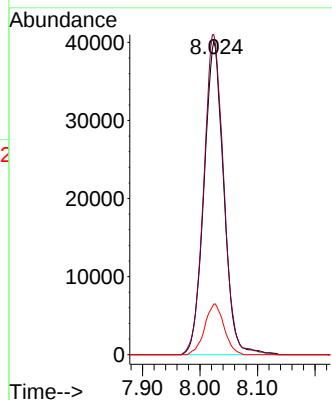
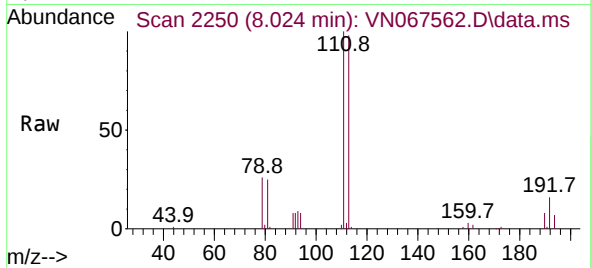




#35
Dibromofluoromethane
Concen: 46.875 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

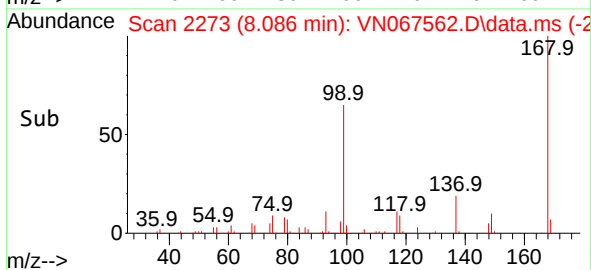
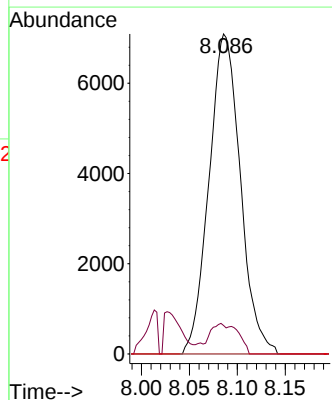
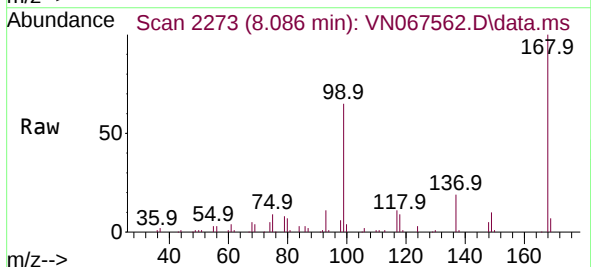
Instrument :
MSVOA_N
ClientSampled :

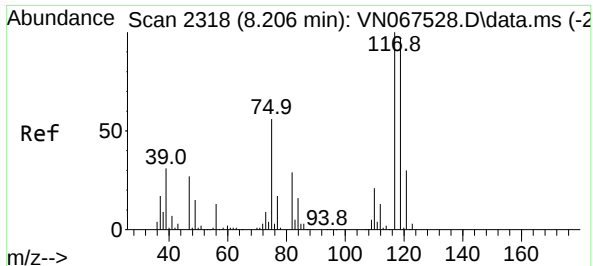
Tgt Ion:113 Resp: 95519
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 15.9 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.434 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

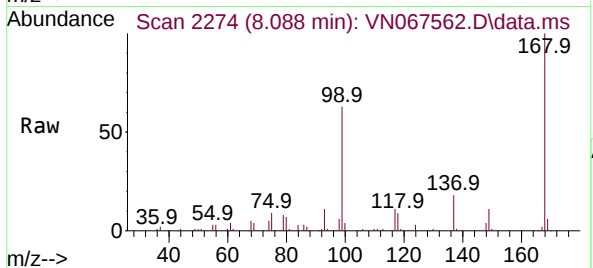
Tgt Ion: 75 Resp: 16124
Ion Ratio Lower Upper
75 100
110 8.4 15.7 47.0#
77 0.0 24.6 37.0#



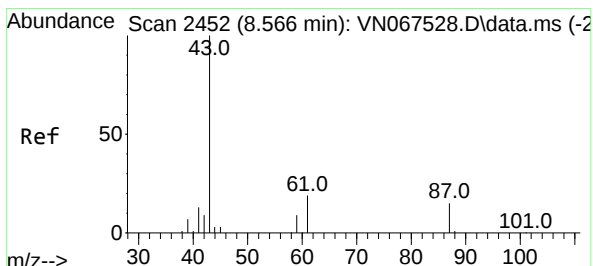
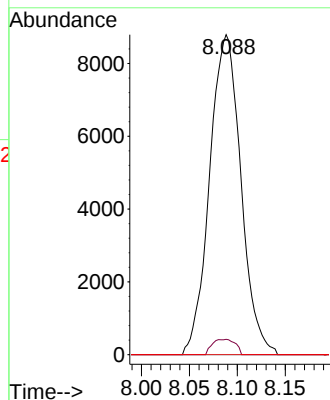
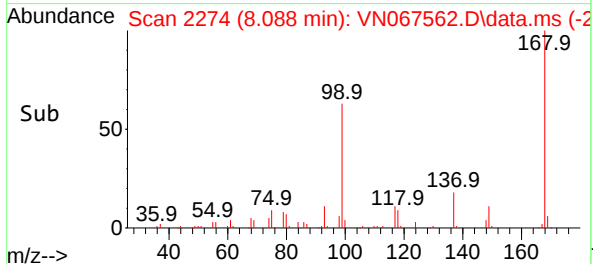


#38
Carbon Tetrachloride
Concen: 6.284 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

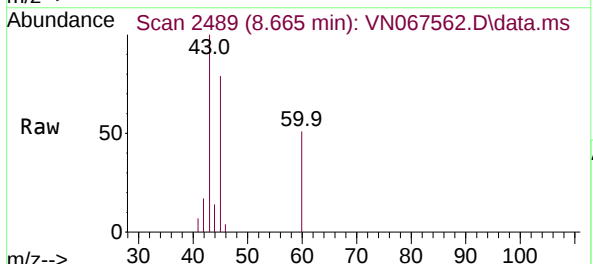
Instrument :
MSVOA_N
ClientSampled :



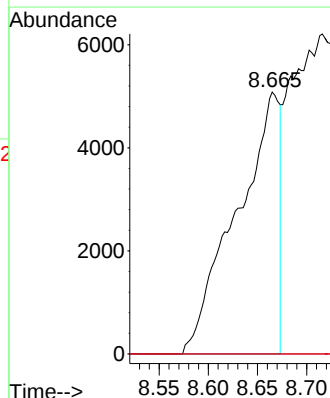
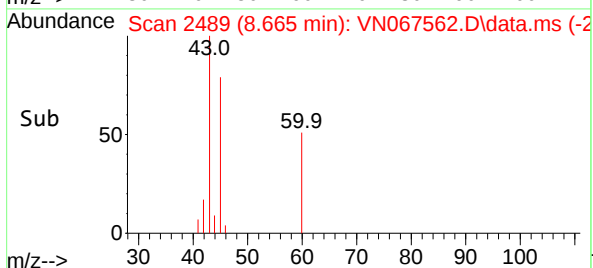
Tgt Ion:117 Resp: 19972
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 23.5 35.3#

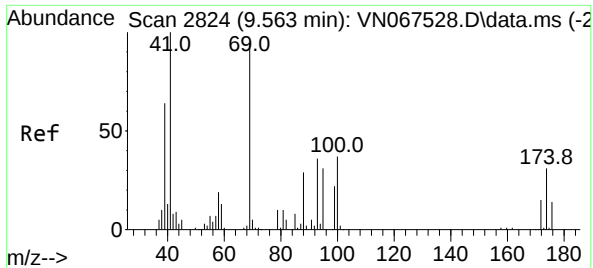


#43
Isopropyl Acetate
Concen: 3.314 ug/l
RT: 8.665 min Scan# 2489
Delta R.T. 0.099 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54



Tgt Ion: 43 Resp: 15423
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

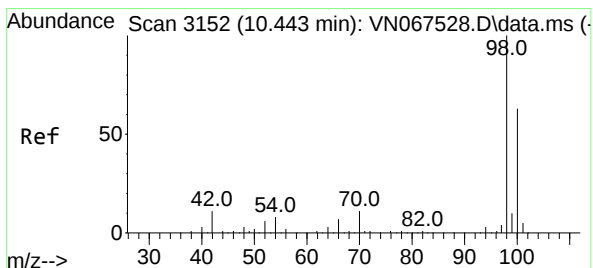
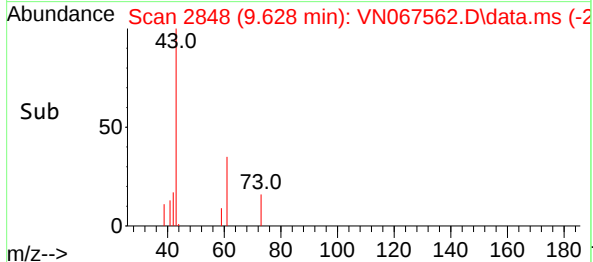
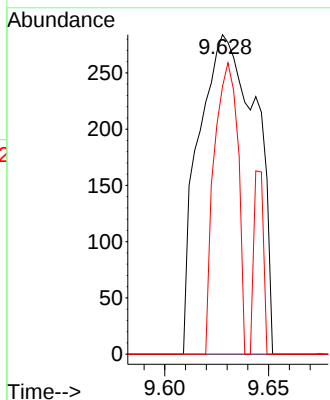
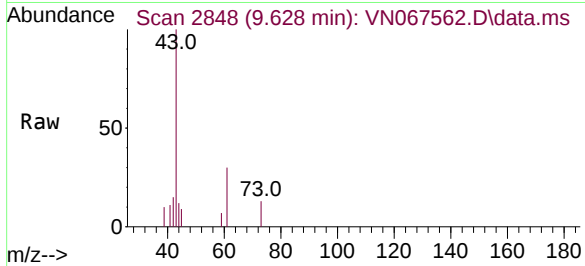




#48
Methyl methacrylate
Concen: 0.266 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.065 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

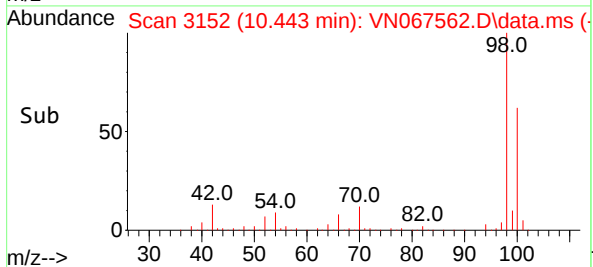
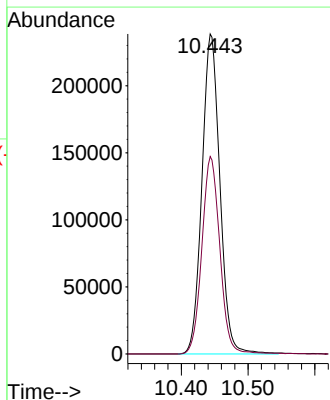
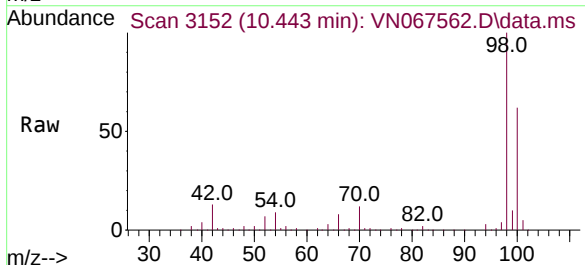
Instrument :
MSVOA_N
ClientSampled :

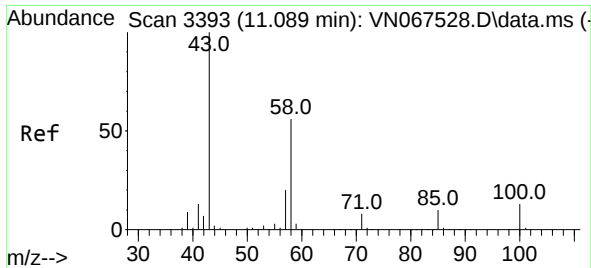
Tgt Ion: 41 Resp: 543
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 37.4 53.3 79.9#



#50
Toluene-d8
Concen: 53.797 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 98 Resp: 445320
Ion Ratio Lower Upper
98 100
100 61.7 51.7 77.5

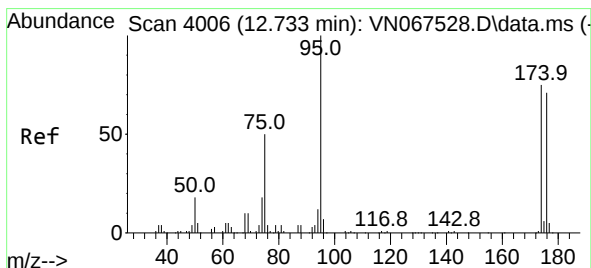
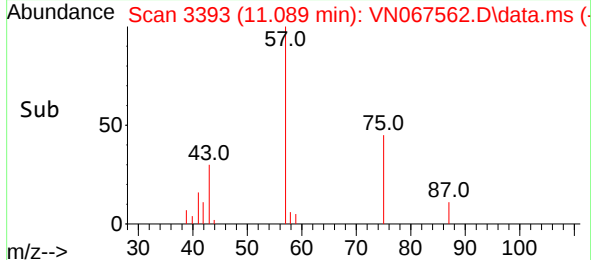
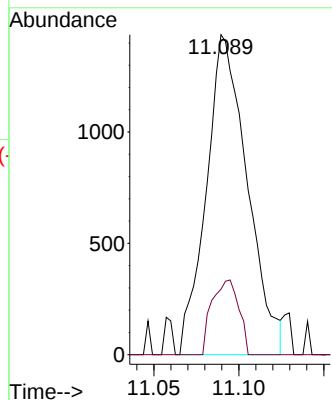
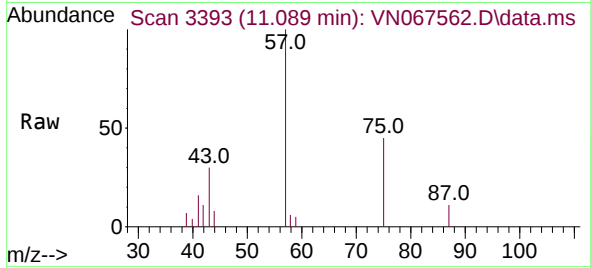




#59
2-Hexanone
Concen: 1.215 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

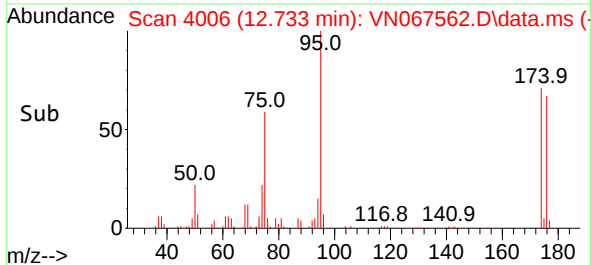
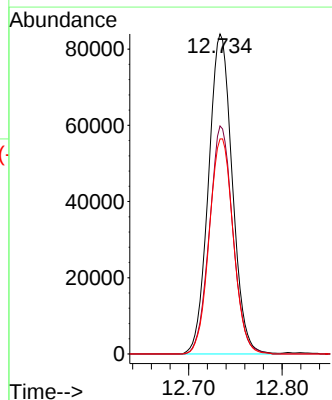
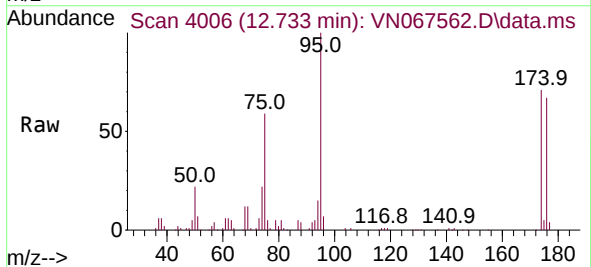
Instrument :
MSVOA_N
ClientSampled :

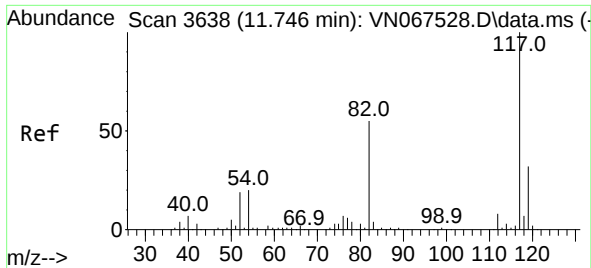
Tgt Ion: 43 Resp: 2409
Ion Ratio Lower Upper
43 100
58 15.3 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 51.380 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 95 Resp: 148561
Ion Ratio Lower Upper
95 100
174 70.3 0.0 122.0
176 68.0 0.0 117.6

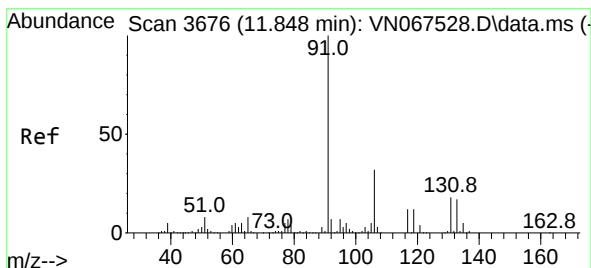
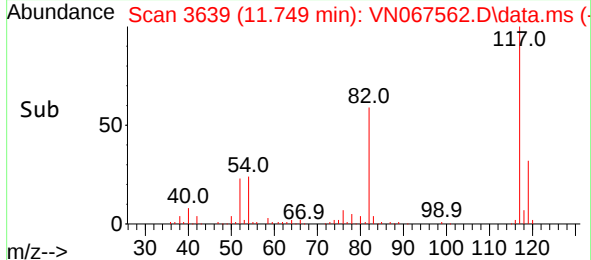
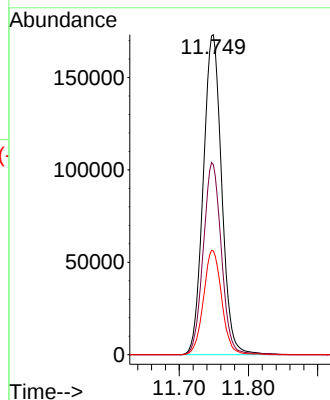
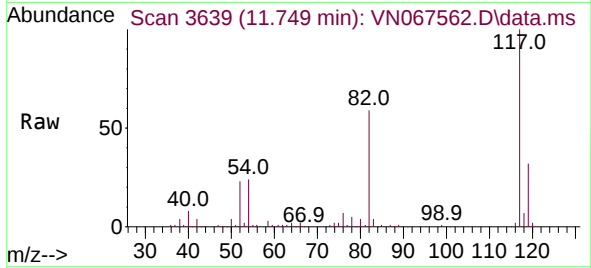




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

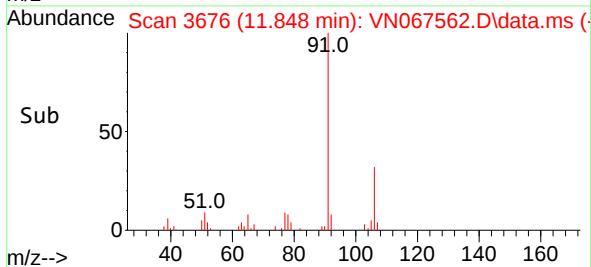
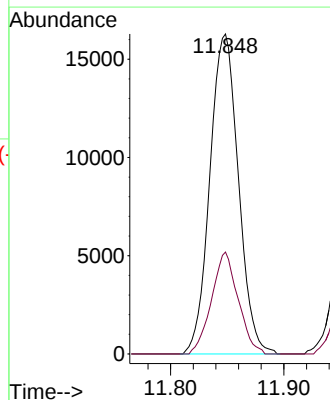
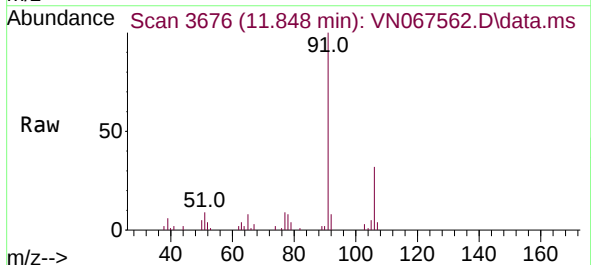
Instrument :
MSVOA_N
ClientSampleId :

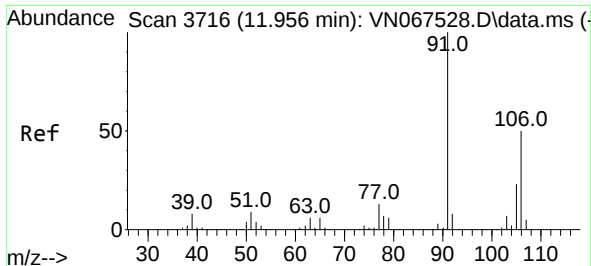
Tgt Ion:117 Resp: 319227
Ion Ratio Lower Upper
117 100
82 59.4 53.1 79.7
119 32.4 25.5 38.3



#67
Ethyl Benzene
Concen: 2.409 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. 0.000 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 91 Resp: 28479
Ion Ratio Lower Upper
91 100
106 31.9 23.4 35.0

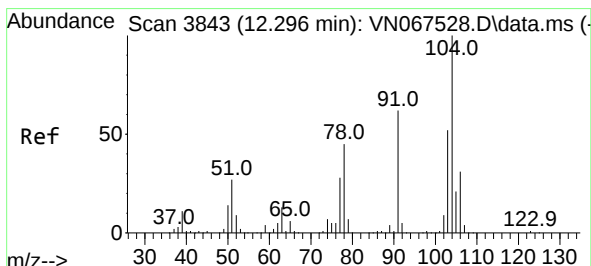
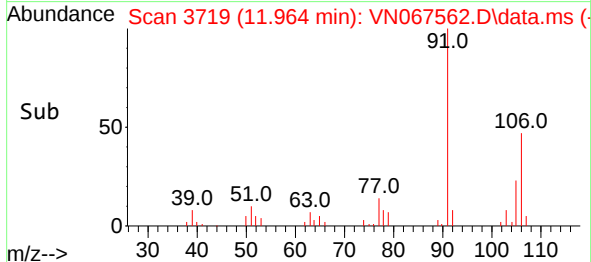
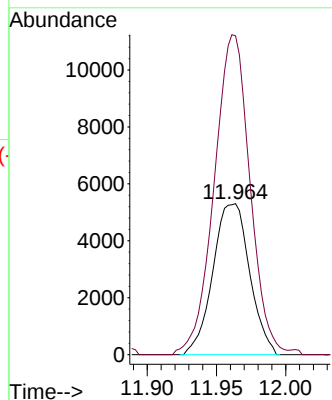
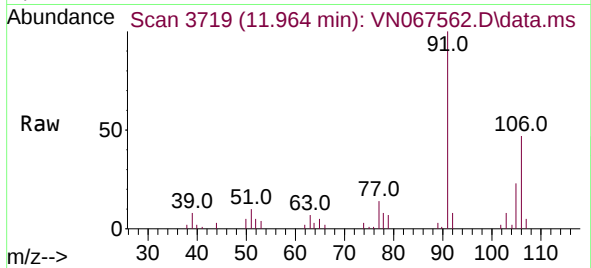




#68
m/p-Xylenes
Concen: 2.150 ug/l
RT: 11.964 min Scan# 3719
Delta R.T. 0.008 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

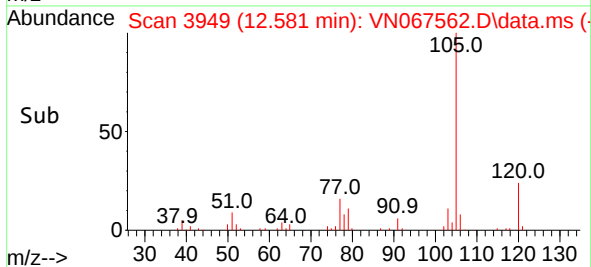
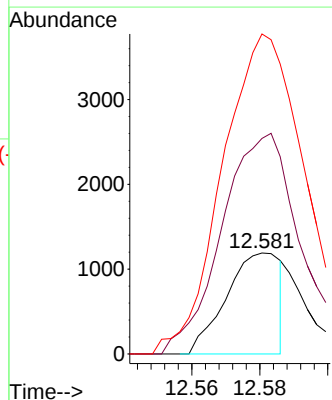
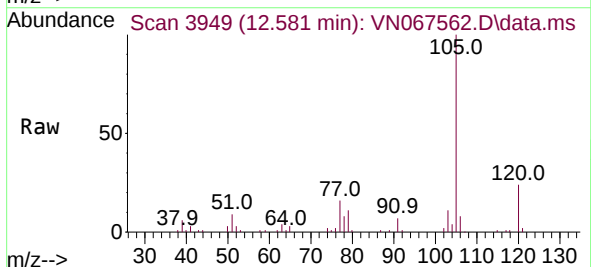
Instrument :
MSVOA_N
ClientSampled :

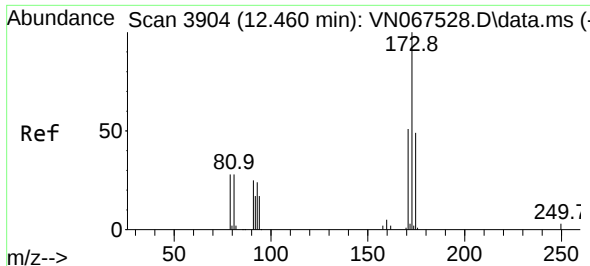
Tgt Ion:106 Resp: 9787
Ion Ratio Lower Upper
106 100
91 206.1 180.6 270.8



#70
Styrene
Concen: 2.041 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.285 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion:104 Resp: 1318
Ion Ratio Lower Upper
104 100
78 236.2 48.2 72.2#
103 338.8 44.5 66.7#

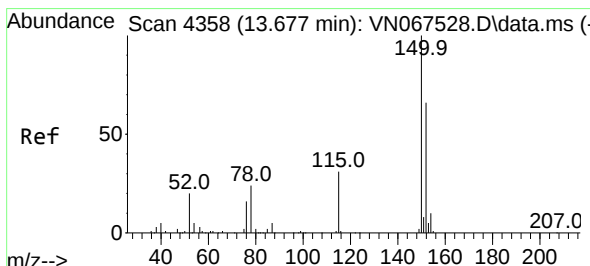
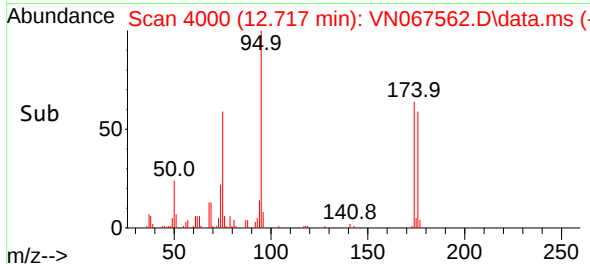
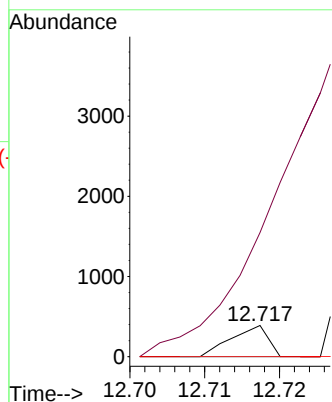
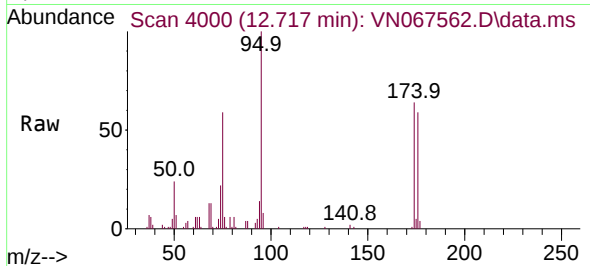




#71
Bromoform
Concen: 3.521 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

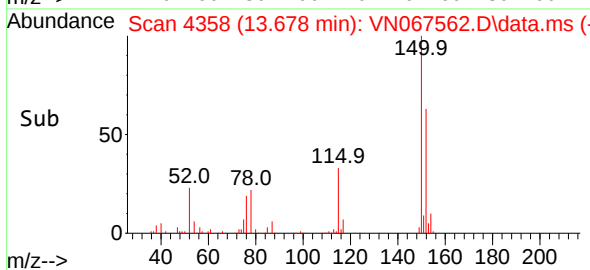
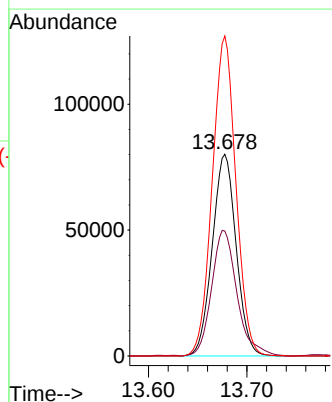
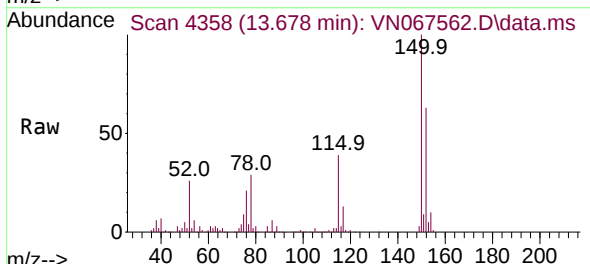
Instrument :
MSVOA_N
ClientSampleId :

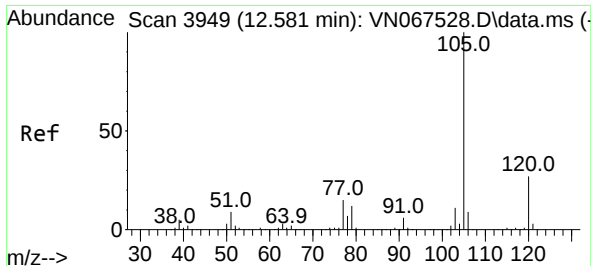
Tgt Ion:173 Resp: 133
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion:152 Resp: 135228
Ion Ratio Lower Upper
152 100
115 66.2 36.1 108.5
150 156.6 0.0 351.8

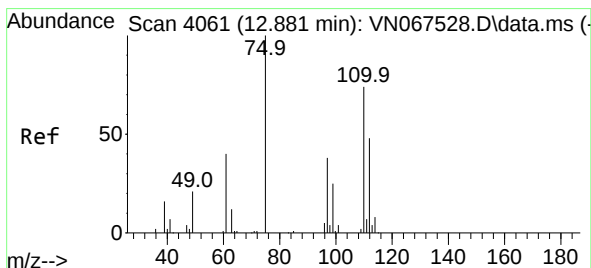
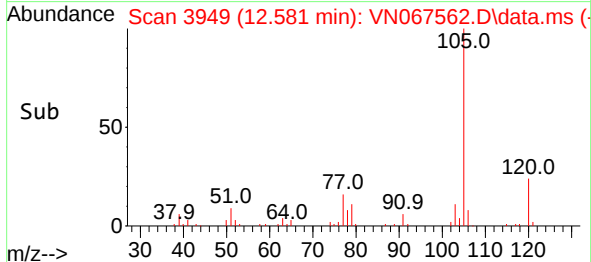
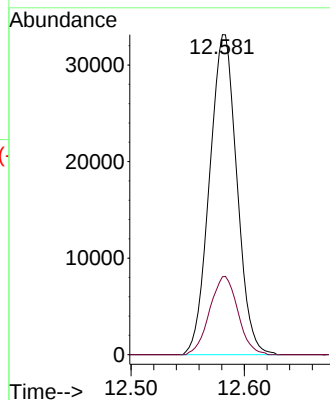
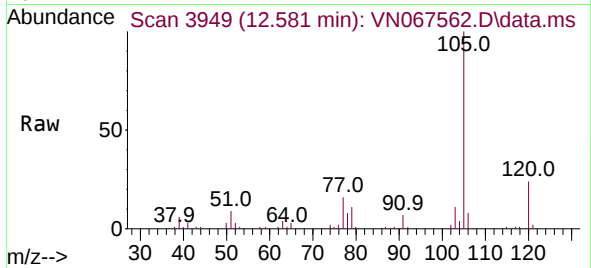




#73
Isopropylbenzene
Concen: 4.886 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. -0.000 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

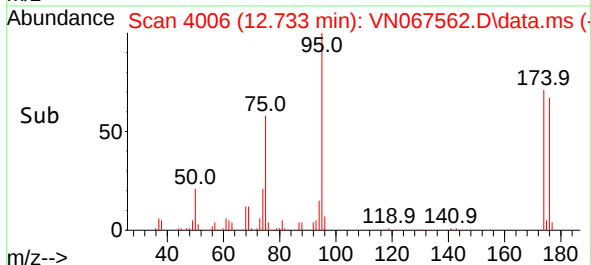
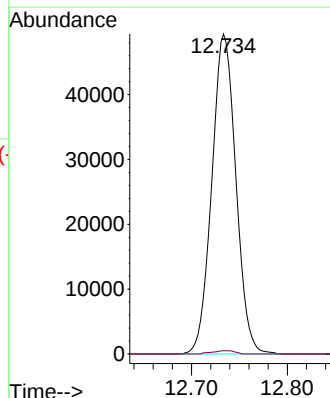
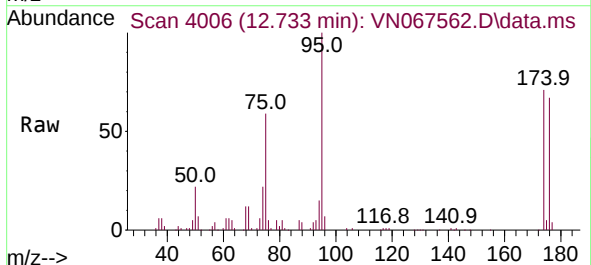
Instrument :
MSVOA_N
ClientSampled :

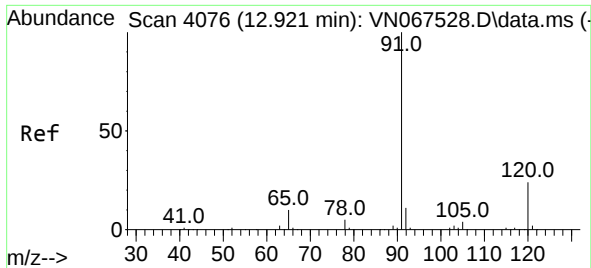
Tgt Ion:105 Resp: 55557
Ion Ratio Lower Upper
105 100
120 25.2 12.5 37.5



#76
1,2,3-Trichloropropane
Concen: 31.684 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 75 Resp: 85879
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

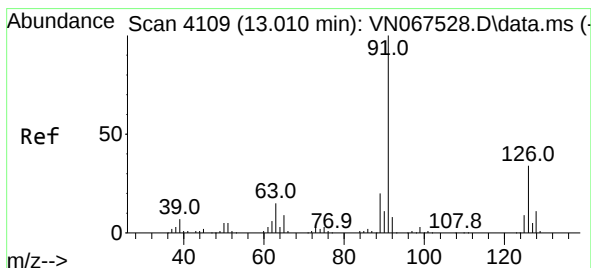
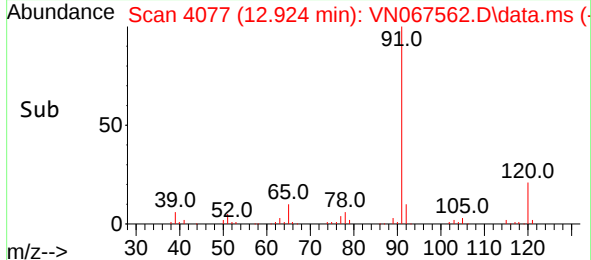
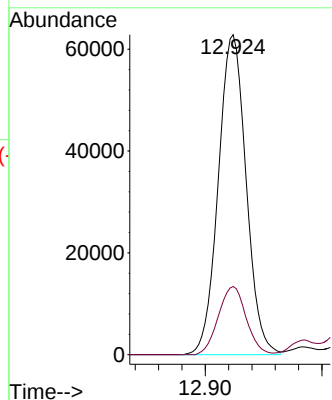
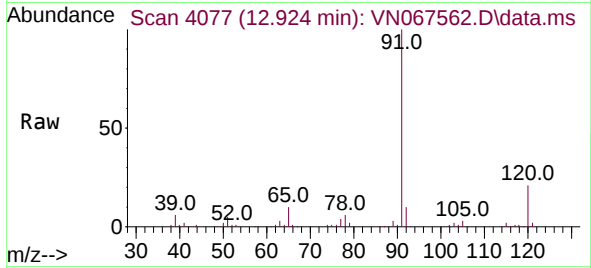




#78
n-propylbenzene
Concen: 8.208 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.003 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

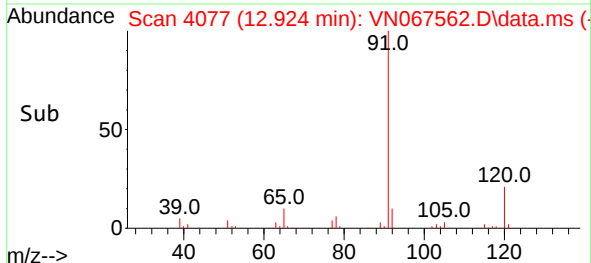
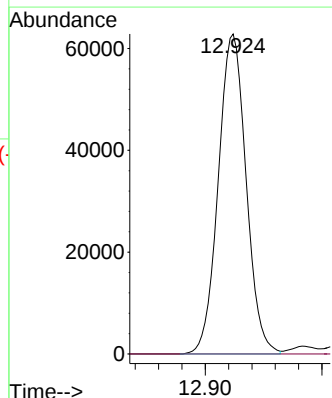
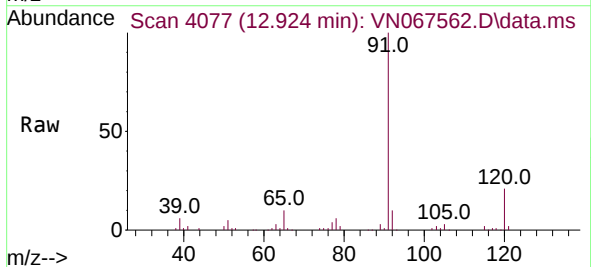
Instrument :
MSVOA_N
ClientSampled :

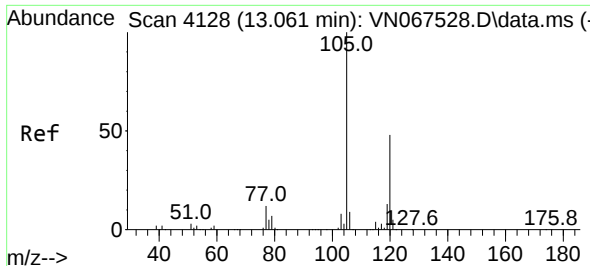
Tgt Ion: 91 Resp: 104031
Ion Ratio Lower Upper
91 100
120 21.3 10.4 31.4



#79
2-Chlorotoluene
Concen: 13.435 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.086 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 91 Resp: 104031
Ion Ratio Lower Upper
91 100
126 0.0 14.5 43.5#

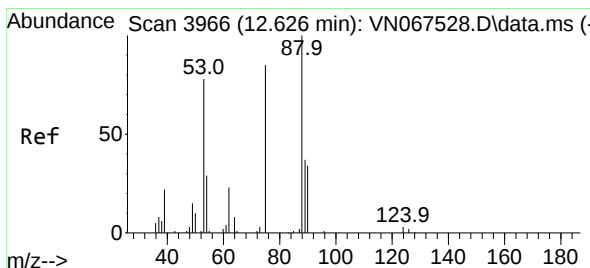
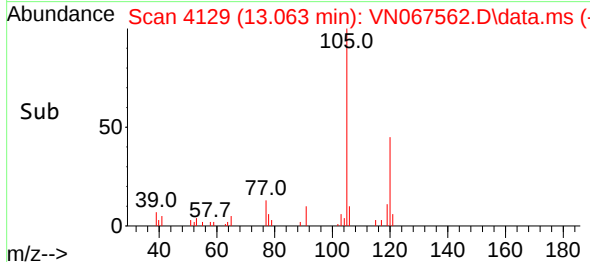
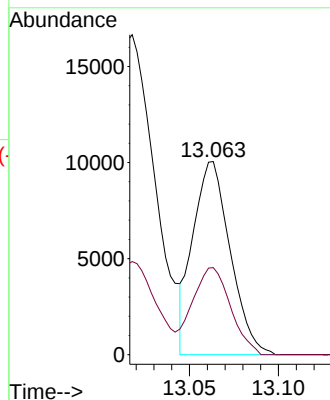
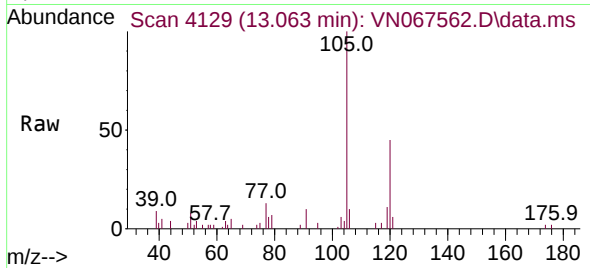




#80
1,3,5-Trimethylbenzene
Concen: 1.572 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

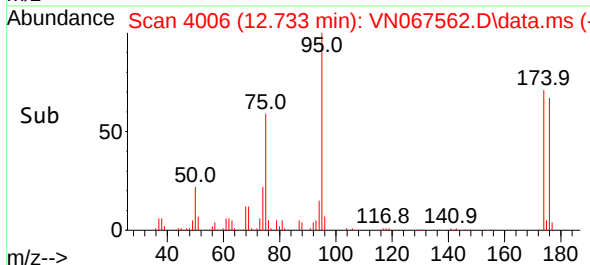
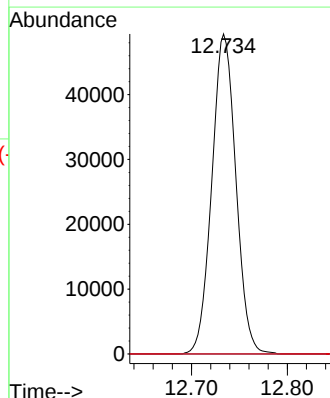
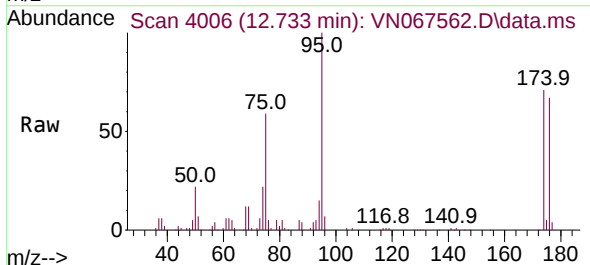
Instrument :
MSVOA_N
ClientSampleId :

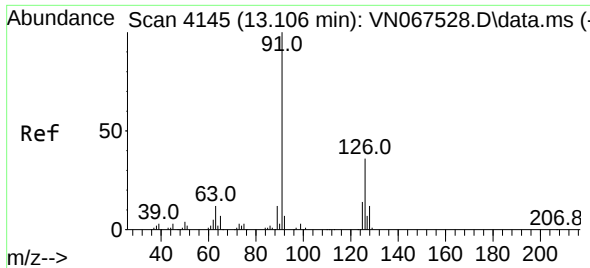
Tgt Ion:105 Resp: 14652
Ion Ratio Lower Upper
105 100
120 46.6 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 91.092 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 75 Resp: 85879
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

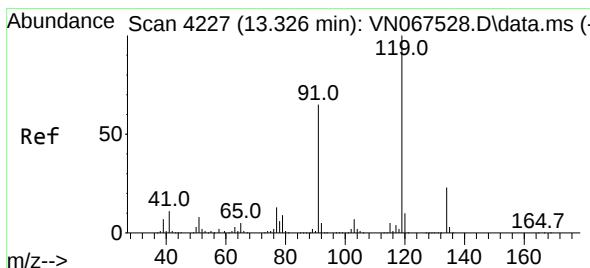
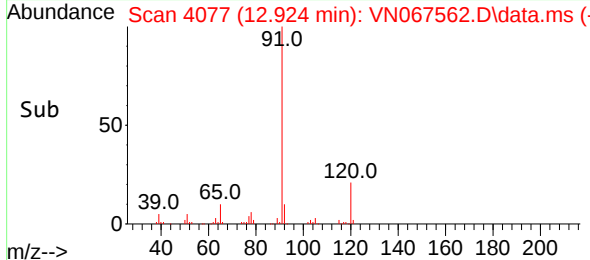
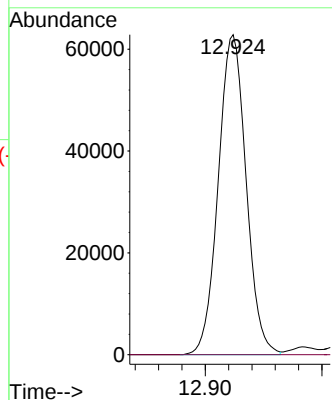
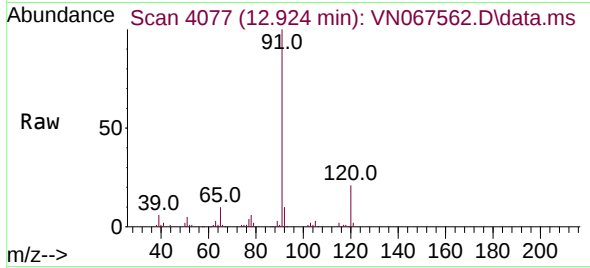




#82
4-Chlorotoluene
Concen: 13.748 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.182 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

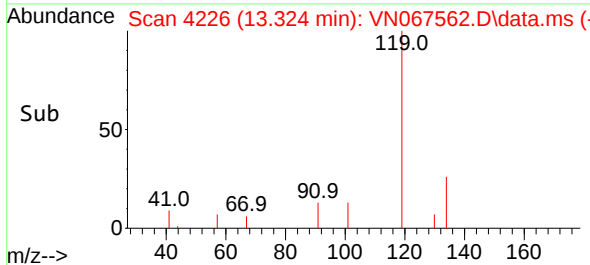
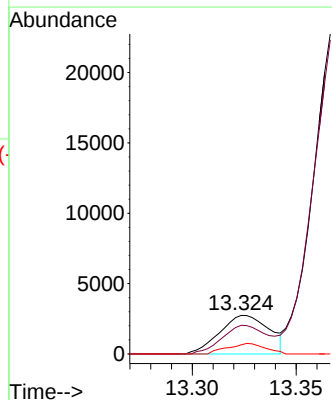
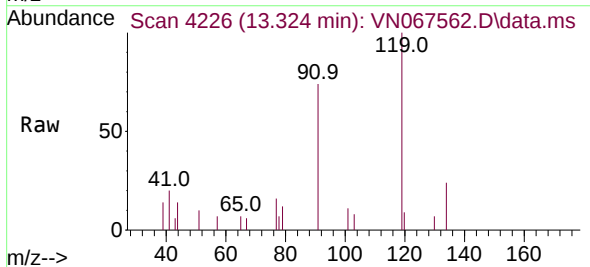
Instrument :
MSVOA_N
ClientSampled :

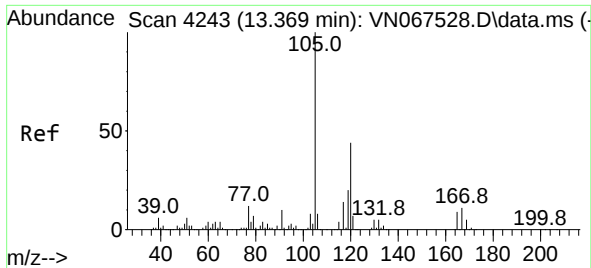
Tgt Ion: 91 Resp: 104031
Ion Ratio Lower Upper
91 100
126 0.0 14.8 44.4#



#83
tert-Butylbenzene
Concen: 0.562 ug/l
RT: 13.324 min Scan# 4226
Delta R.T. -0.002 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 119 Resp: 4541
Ion Ratio Lower Upper
119 100
91 66.5 39.5 118.5
134 20.9 12.0 36.0

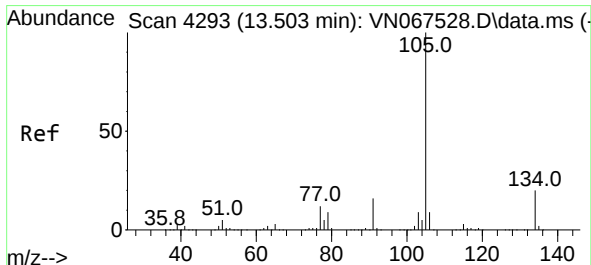
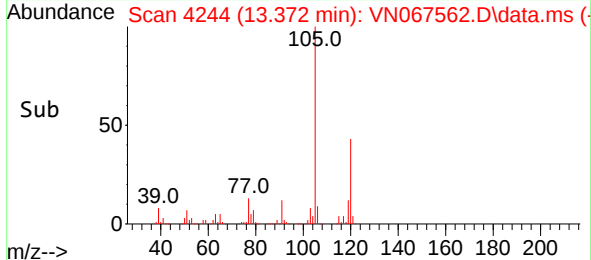
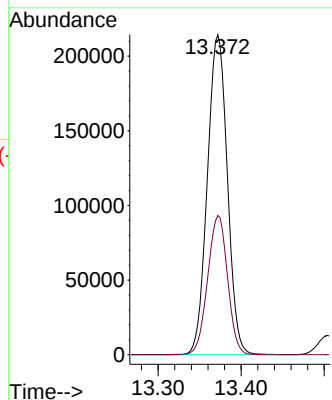
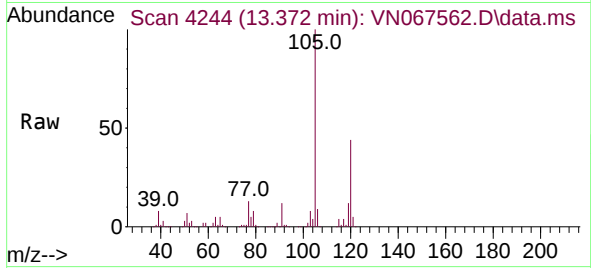




#84
1,2,4-Trimethylbenzene
Concen: 38.997 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

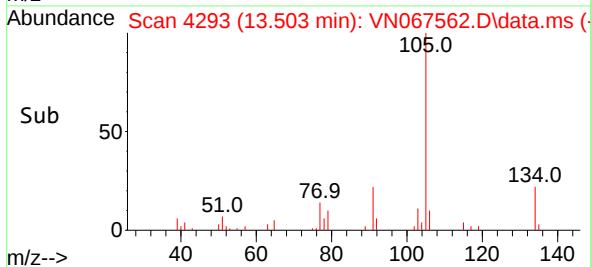
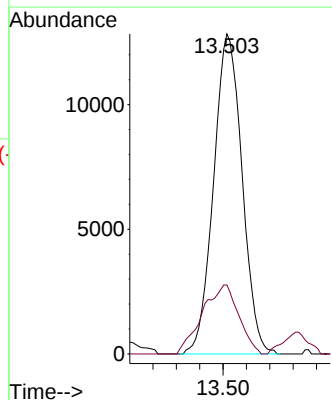
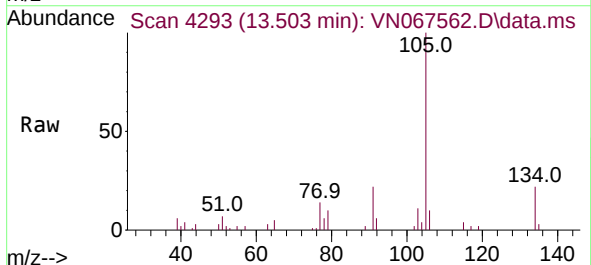
Instrument :
MSVOA_N
ClientSampled :

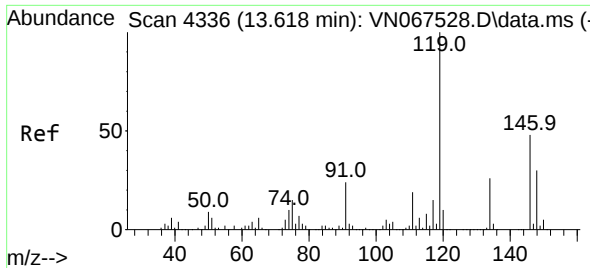
Tgt Ion:105 Resp: 357827
Ion Ratio Lower Upper
105 100
120 43.4 20.6 61.8



#85
sec-Butylbenzene
Concen: 1.955 ug/l
RT: 13.503 min Scan# 4293
Delta R.T. 0.000 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion:105 Resp: 21729
Ion Ratio Lower Upper
105 100
134 27.5 9.0 27.1#

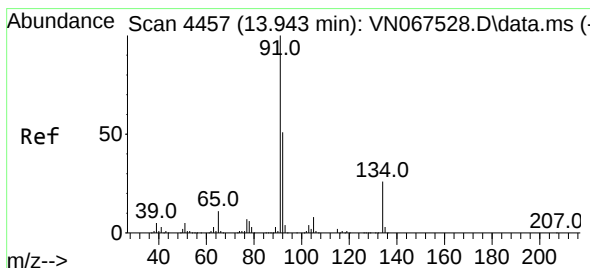
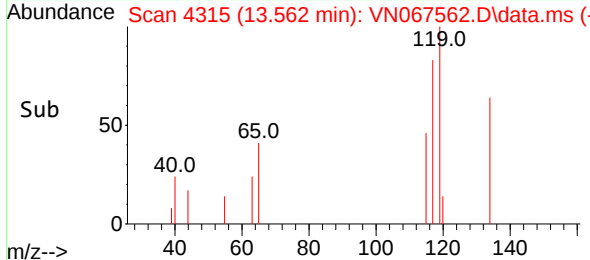
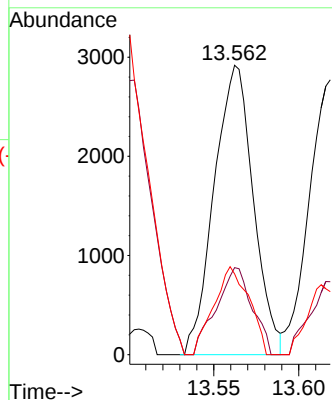
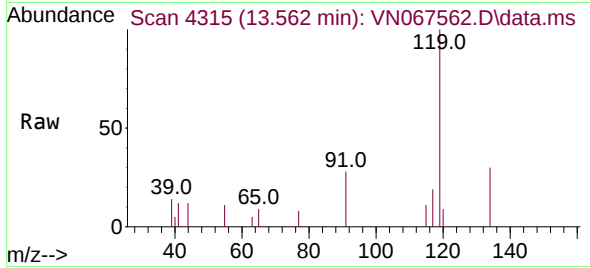




#86
p-Isopropyltoluene
Concen: 0.524 ug/l
RT: 13.562 min Scan# 4315
Delta R.T. -0.056 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

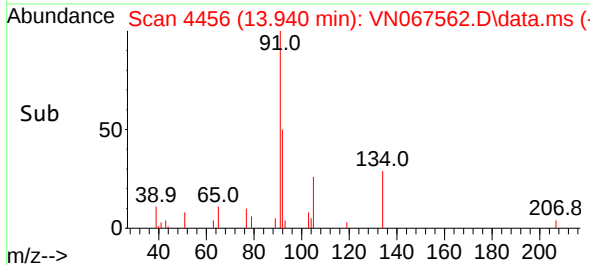
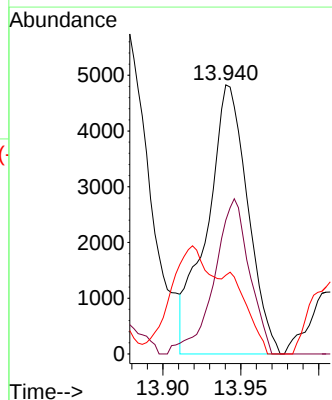
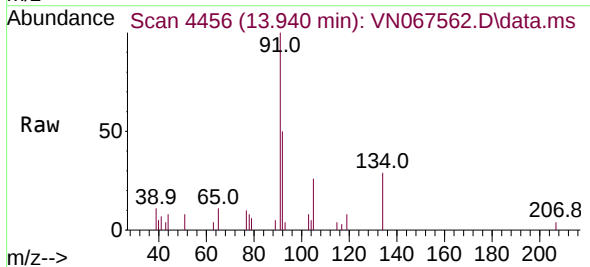
Instrument :
MSVOA_N
ClientSampled :

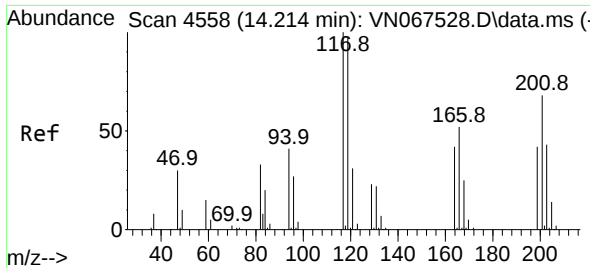
Tgt Ion:	119	Resp:	4684
Ion	Ratio	Lower	Upper
119	100		
134	27.6	12.4	37.4
91	27.4	14.8	44.3



#89
n-Butylbenzene
Concen: 1.187 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.003 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Tgt Ion:	91	Resp:	8751
Ion	Ratio	Lower	Upper
91	100		
92	49.9	25.7	77.1
134	0.0	11.2	33.6#

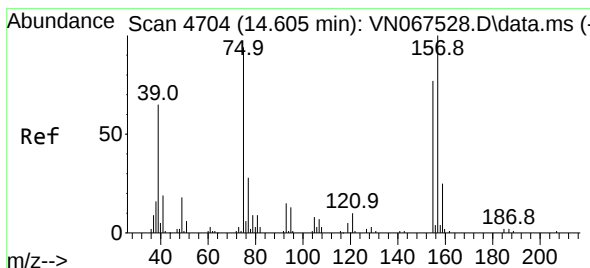
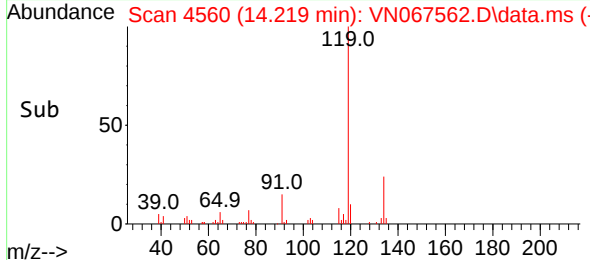
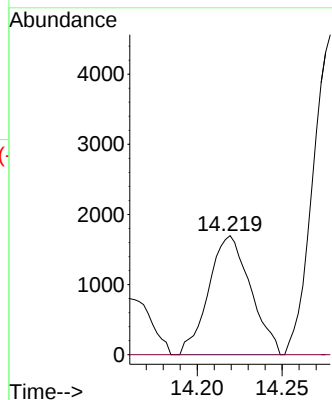
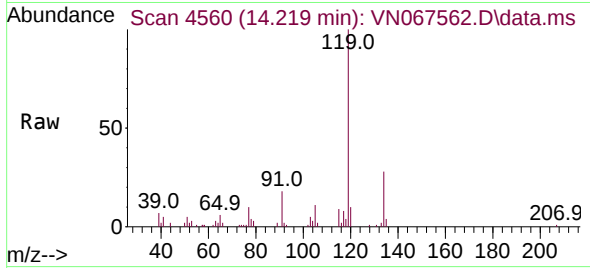




#90
Hexachloroethane
Concen: 1.851 ug/l
RT: 14.219 min Scan# 4560
Delta R.T. 0.005 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

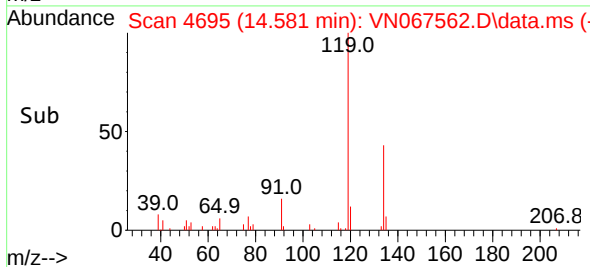
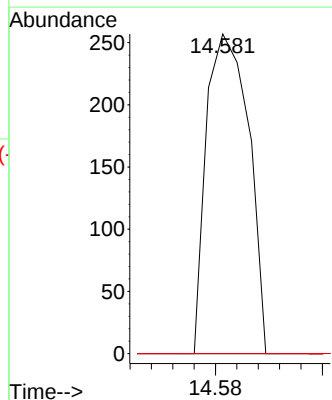
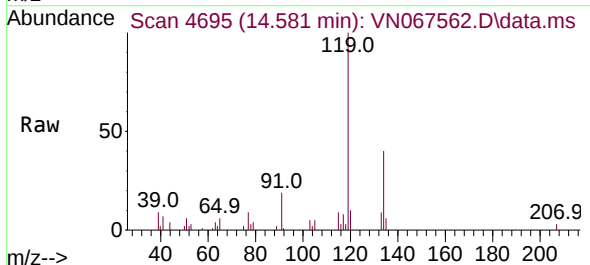
Instrument :
MSVOA_N
ClientSampled :

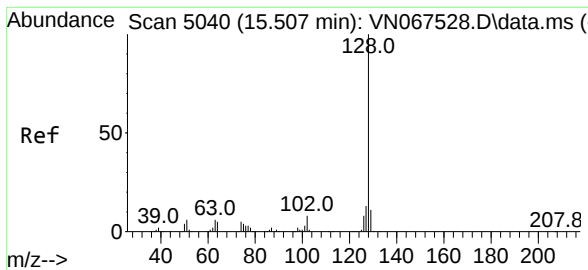
Tgt Ion:117 Resp: 2913
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.250 ug/l
RT: 14.581 min Scan# 4695
Delta R.T. -0.024 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

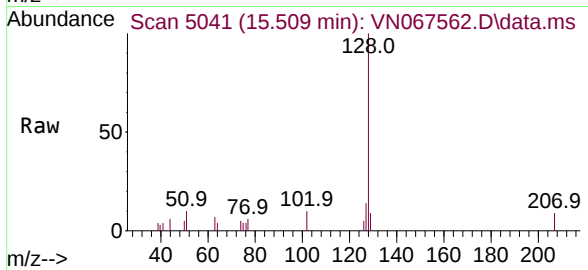
Tgt Ion: 75 Resp: 141
Ion Ratio Lower Upper
75 100
155 0.0 29.8 89.5#
157 0.0 37.6 112.8#





#95
Naphthalene
Concen: 4.546 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067562.D
Acq: 29 Jun 2021 18:54

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 9709
Ion Ratio Lower Upper
128 100
127 11.7 10.6 15.8
129 5.4 8.6 12.8#

