

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
 Data File : VN067561.D
 Acq On : 29 Jun 2021 18:30
 Operator : JC/MD
 Sample : PB137365TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 30 03:40:24 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)

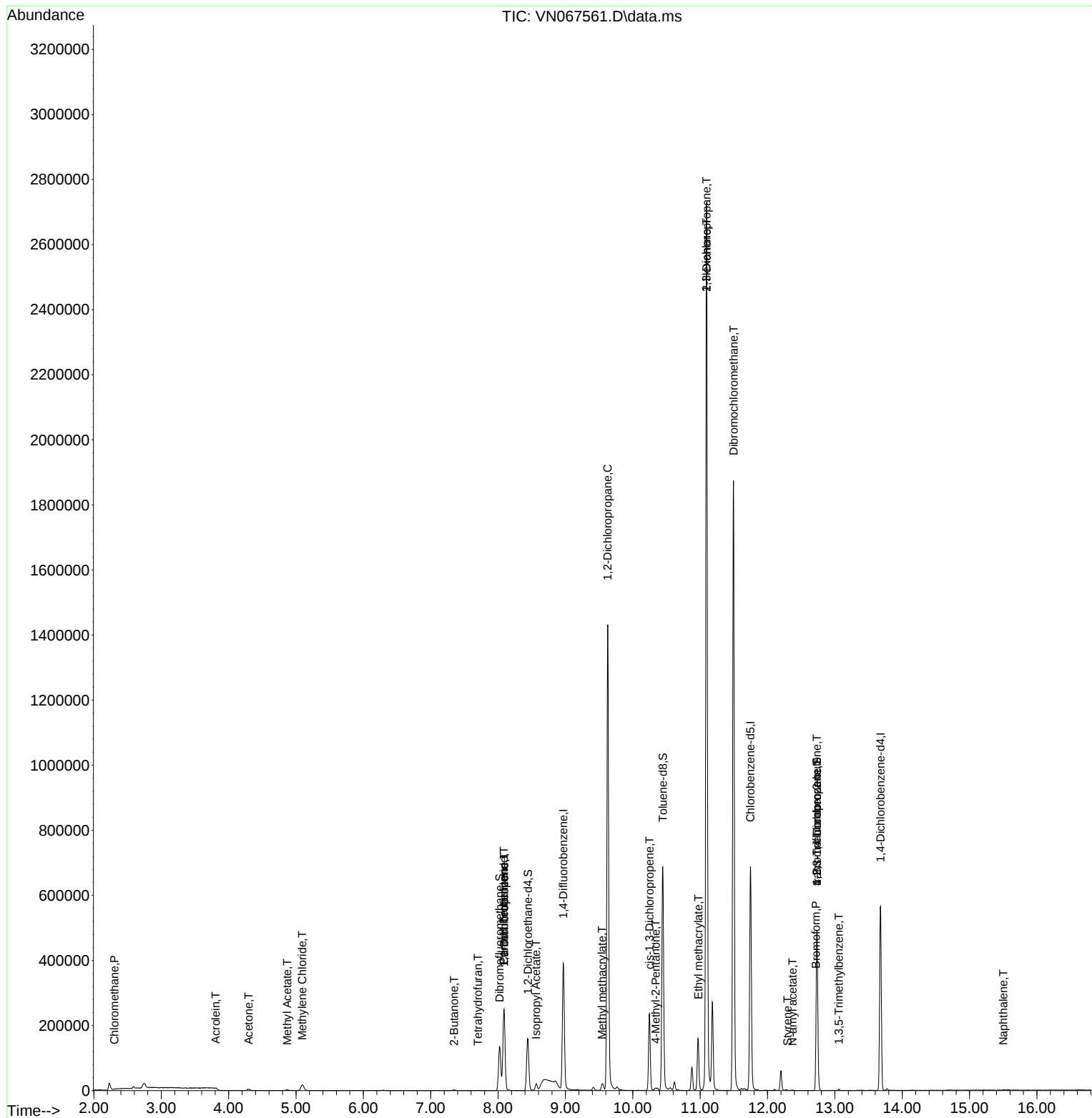
Internal Standards						
1) Pentafluorobenzene	8.088	168	175789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	337827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	407461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	147002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	134199	55.781	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.560%			
35) Dibromofluoromethane	8.024	113	97604	46.600	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.200%			
50) Toluene-d8	10.446	98	487744	57.325	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 114.640%			
62) 4-Bromofluorobenzene	12.733	95	177219	59.630	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 119.260%			
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	478	0.218	ug/l #	43
13) Acrolein	3.808	56	52	2.444	ug/l #	14
16) Acetone	4.296	43	9015	11.360	ug/l	99
18) Methyl Acetate	4.870	43	5163	2.439	ug/l #	73
20) Methylene Chloride	5.093	84	14916	6.987	ug/l #	81
25) 2-Butanone	7.345	43	3237	2.645	ug/l	97
29) Tetrahydrofuran	7.699	42	541	0.664	ug/l #	43
31) Cyclohexane	8.088	56	5081	Below Cal	#	20
36) 1,1-Dichloropropene	8.091	75	16293	5.342	ug/l #	46
38) Carbon Tetrachloride	8.088	117	19267	5.897	ug/l #	16
43) Isopropyl Acetate	8.566	43	23967	5.010	ug/l #	90
45) 1,2-Dichloropropane	9.628	63	1595	0.690	ug/l #	44
48) Methyl methacrylate	9.545	41	5777	2.758	ug/l #	12
51) 4-Methyl-2-Pentanone	10.341	43	5047	1.749	ug/l	94
54) cis-1,3-Dichloropropene	10.247	75	42639	11.550	ug/l #	56
56) Ethyl methacrylate	10.974	69	837	0.235	ug/l #	1
57) 1,3-Dichloropropane	11.095	76	29576	7.761	ug/l #	43
59) 2-Hexanone	11.095	43	396395	194.531	ug/l #	56
60) Dibromochloromethane	11.497	129	234	2.491	ug/l #	11
70) Styrene	12.299	104	57	1.888	ug/l #	22
71) Bromoform	12.720	173	107	3.498	ug/l #	1
74) N-amyl acetate	12.374	43	973	0.240	ug/l #	47
76) 1,2,3-Trichloropropane	12.733	75	99163	33.655	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.061	105	2129	0.210	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.733	75	99163	96.758	ug/l #	6
95) Naphthalene	15.501	128	2004	3.442	ug/l #	72

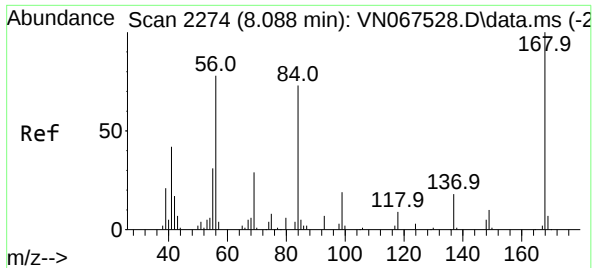
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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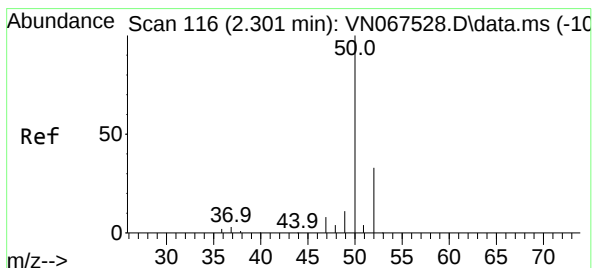
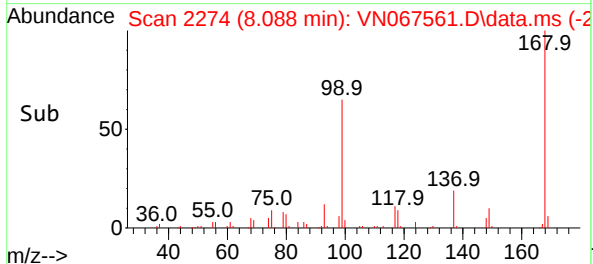
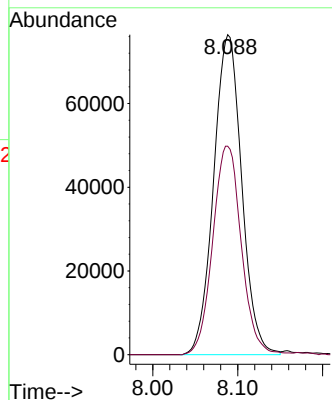
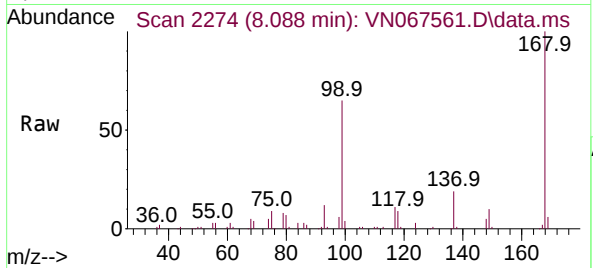




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

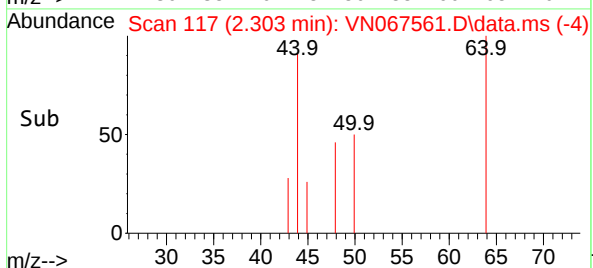
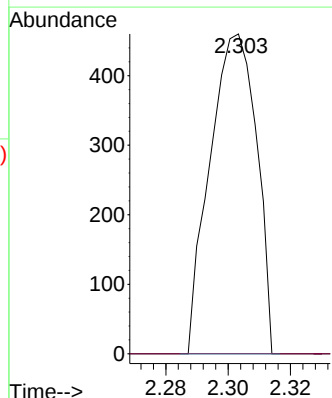
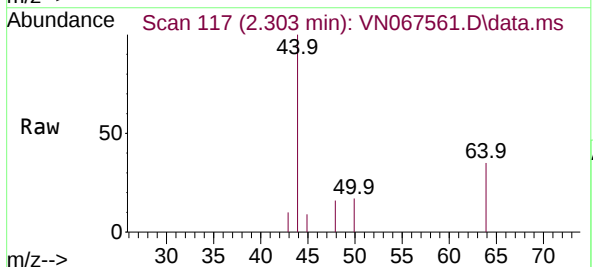
Instrument :
MSVOA_N
ClientSampled :

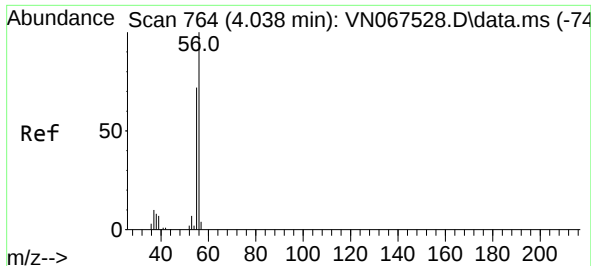
Tgt Ion:168 Resp: 175789
Ion Ratio Lower Upper
168 100
99 65.2 62.9 94.3



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

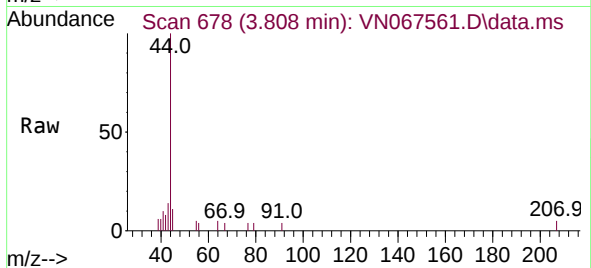
Tgt Ion: 50 Resp: 478
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



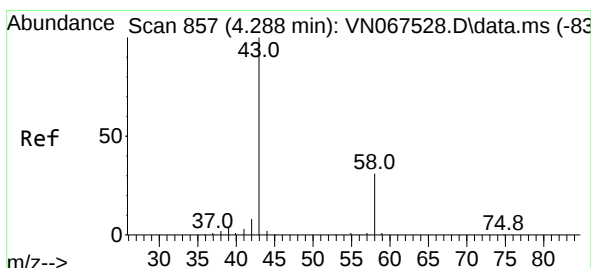
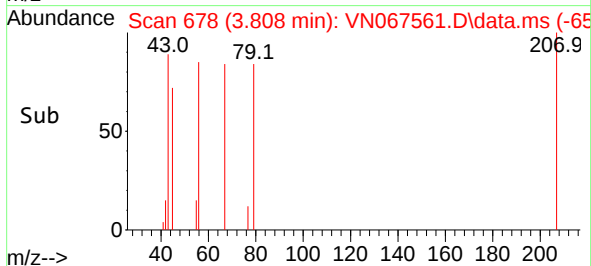
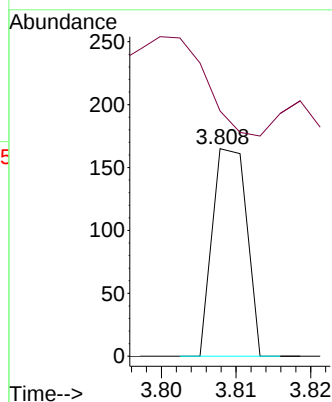


#13
Acrolein
Concen: 2.444 ug/l
RT: 3.808 min Scan# 678
Delta R.T. -0.230 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Instrument :
MSVOA_N
ClientSampled :

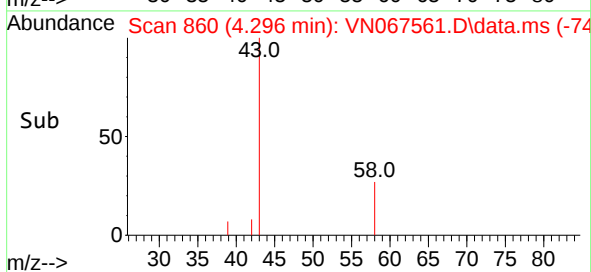
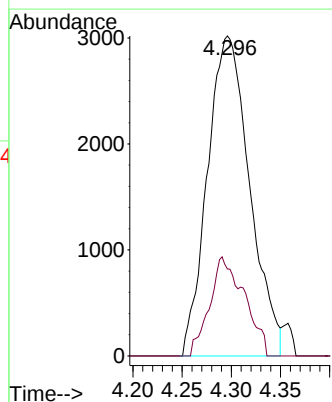
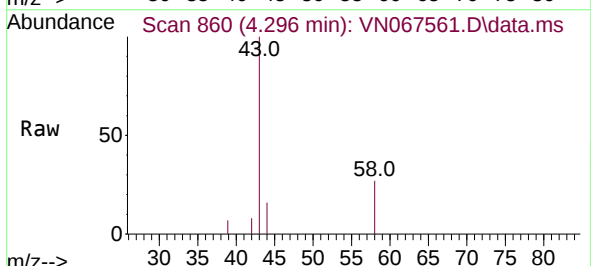


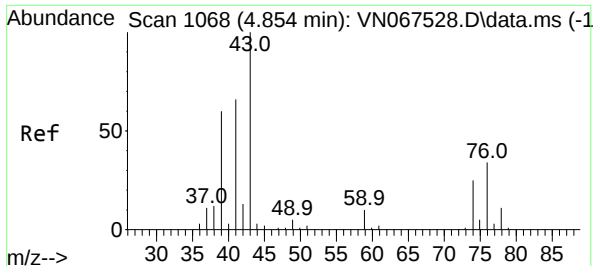
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 11.360 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Tgt Ion: 43 Resp: 9015
Ion Ratio Lower Upper
43 100
58 27.2 21.2 31.8





#18

Methyl Acetate

Concen: 2.439 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.016 min

Lab File: VN067561.D

Acq: 29 Jun 2021 18:30

Tgt Ion: 43 Resp: 5163

Ion Ratio Lower Upper

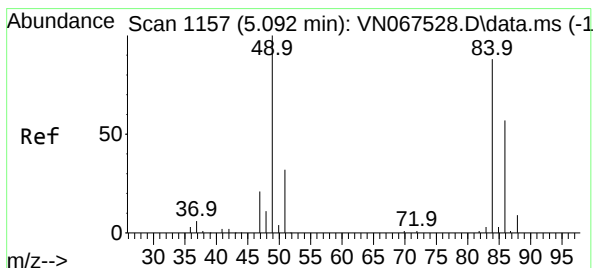
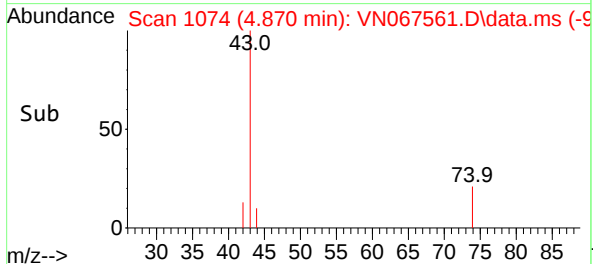
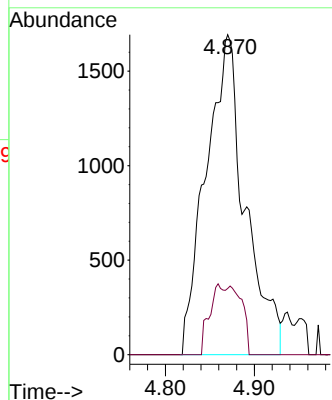
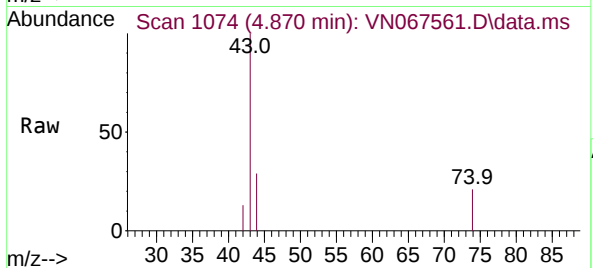
43 100

74 8.8 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 6.987 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. 0.001 min

Lab File: VN067561.D

Acq: 29 Jun 2021 18:30

Tgt Ion: 84 Resp: 14916

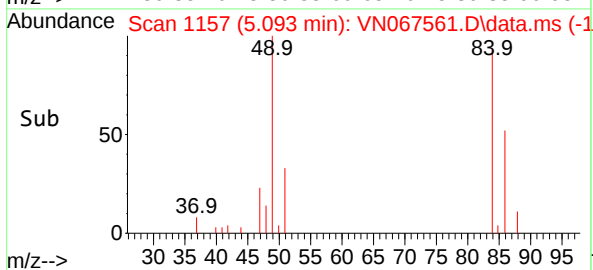
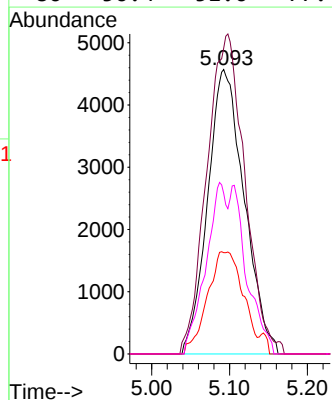
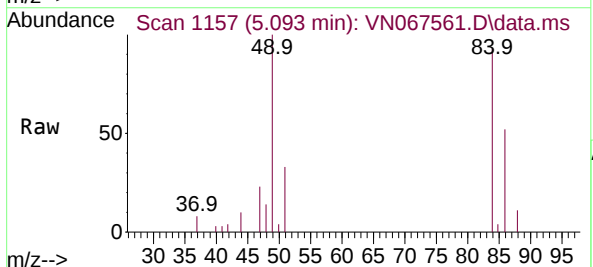
Ion Ratio Lower Upper

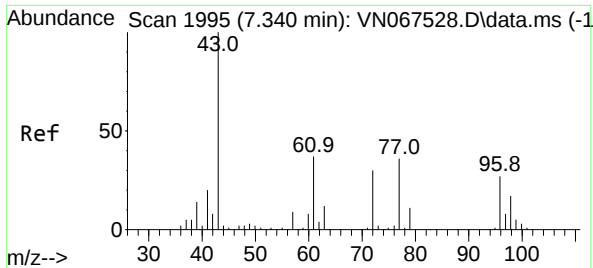
84 100

49 107.5 110.9 166.3#

51 35.6 32.6 49.0

86 56.4 51.6 77.4

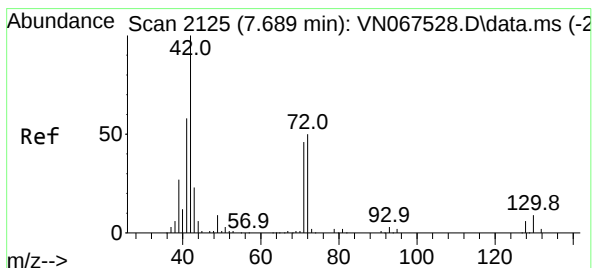
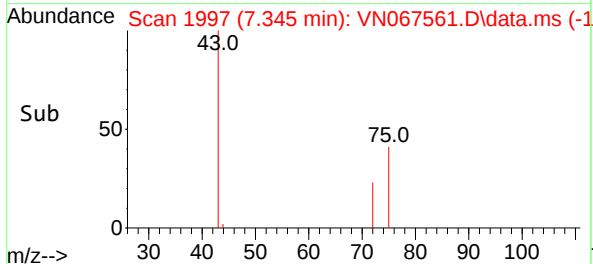
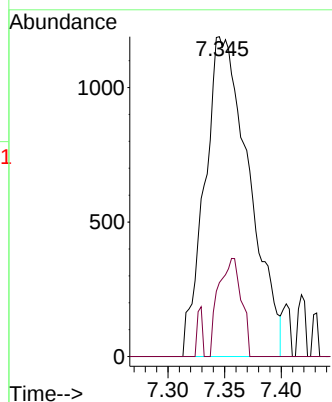
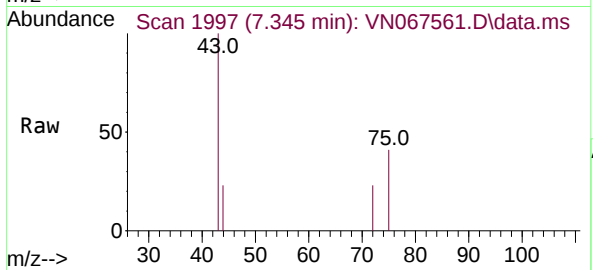




#25
2-Butanone
Concen: 2.645 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

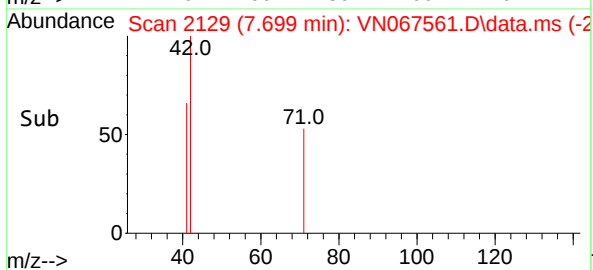
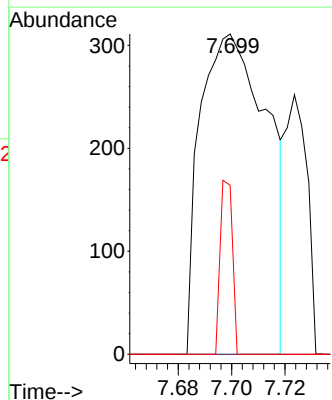
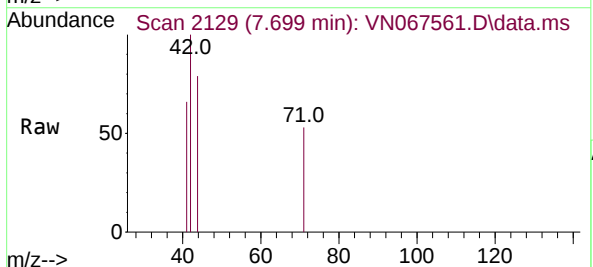
Instrument :
MSVOA_N
ClientSampled :

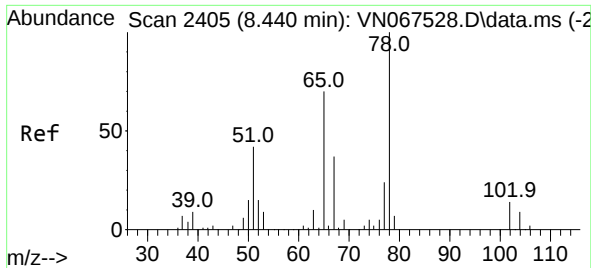
Tgt Ion: 43 Resp: 3237
Ion Ratio Lower Upper
43 100
72 23.1 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.664 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.010 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Tgt Ion: 42 Resp: 541
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 10.0 31.2 46.8#

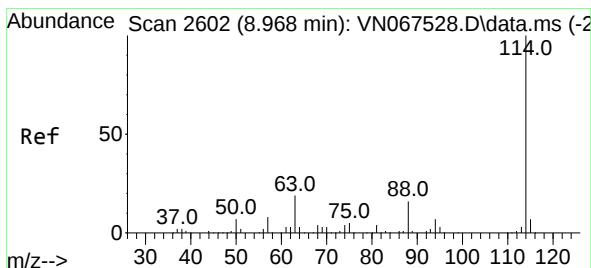
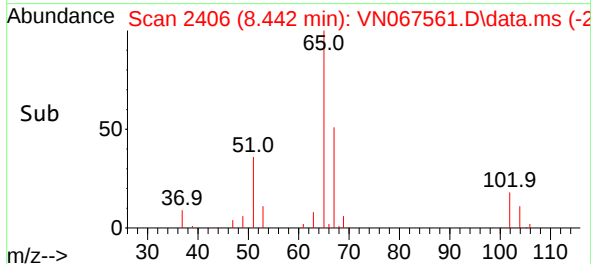
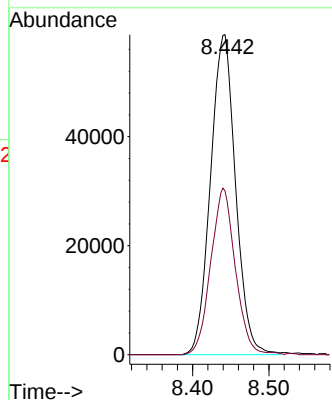
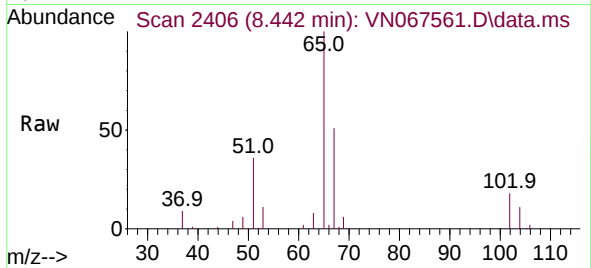




#33
 1,2-Dichloroethane-d4
 Concen: 55.781 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.002 min
 Lab File: VN067561.D
 Acq: 29 Jun 2021 18:30

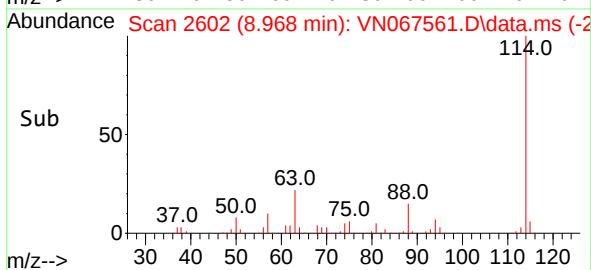
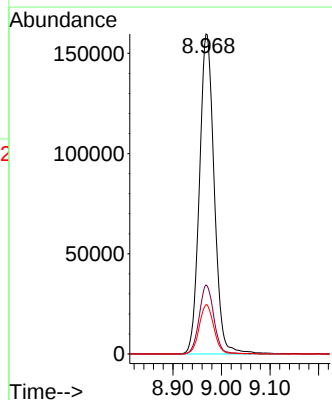
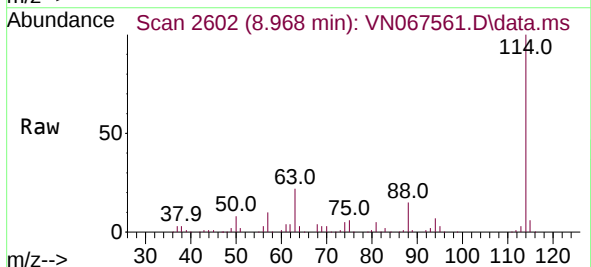
Instrument :
 MSVOA_N
 ClientSampled :

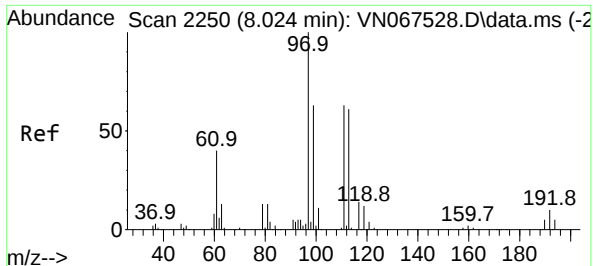
Tgt Ion: 65 Resp: 134199
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN067561.D
 Acq: 29 Jun 2021 18:30

Tgt Ion: 114 Resp: 337827
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 49.0
 88 15.4 0.0 36.6

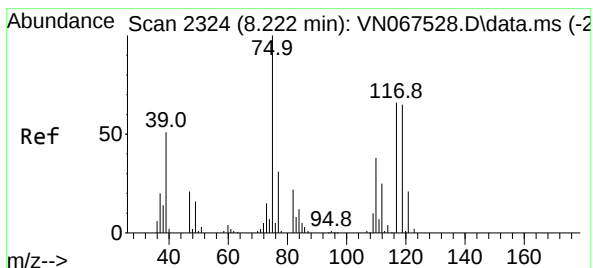
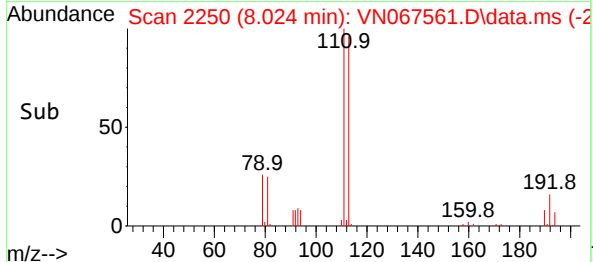
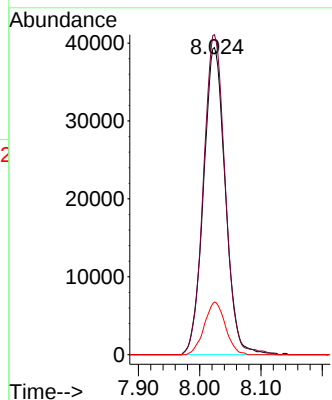
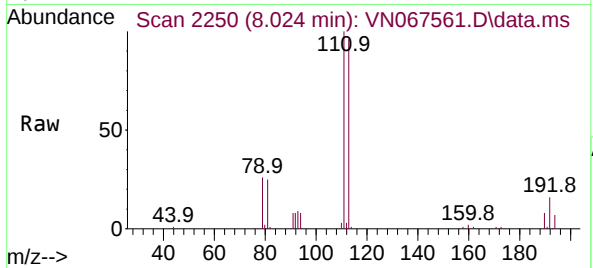




#35
Dibromofluoromethane
Concen: 46.600 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

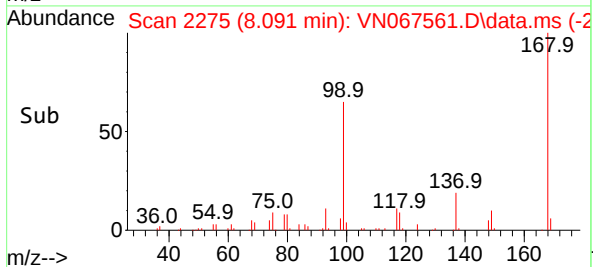
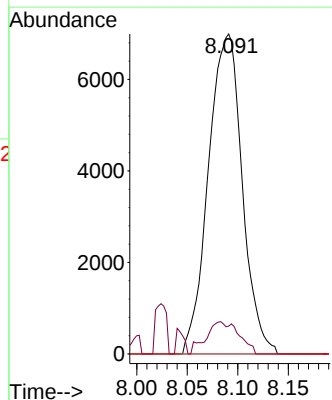
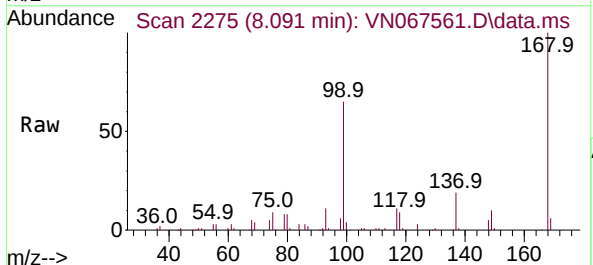
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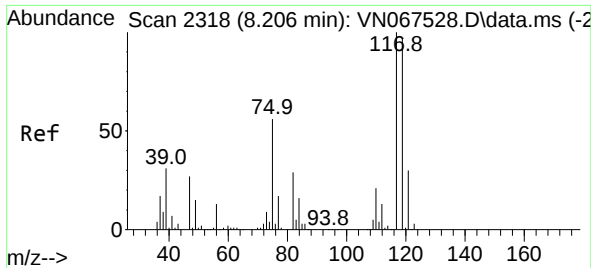
Tgt Ion:113 Resp: 97604
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.8
192 16.5 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.342 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

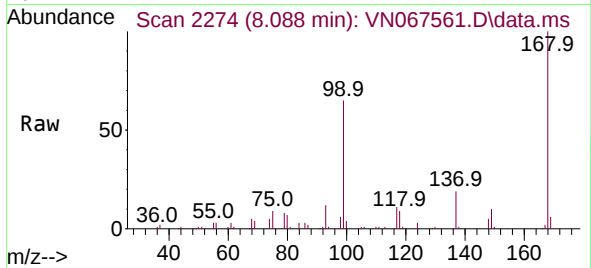
Tgt Ion: 75 Resp: 16293
Ion Ratio Lower Upper
75 100
110 2.8 15.7 47.0#
77 0.0 24.6 37.0#



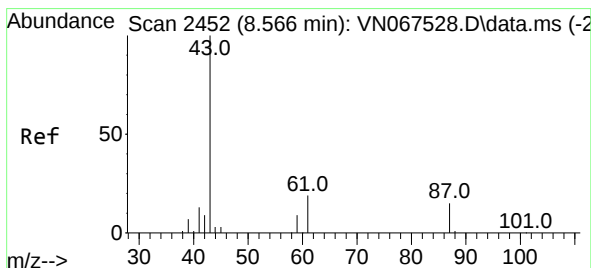
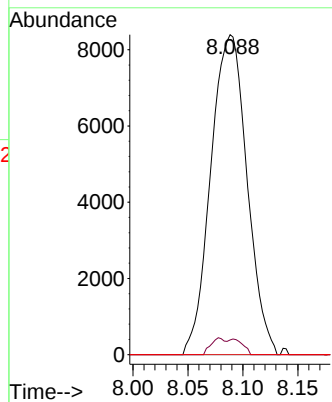
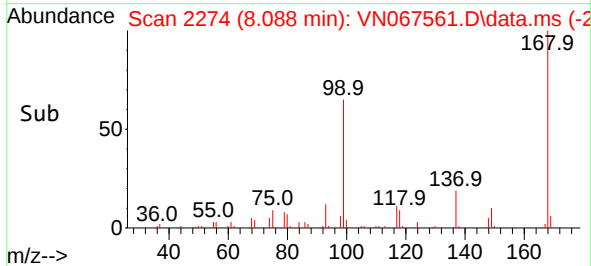


#38
Carbon Tetrachloride
Concen: 5.897 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

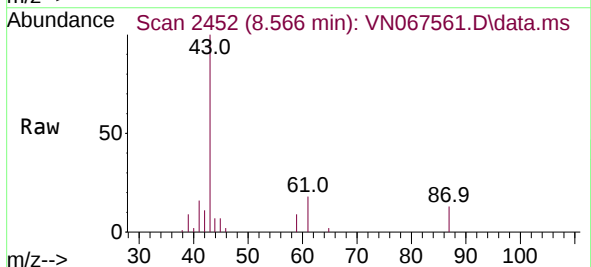
Instrument :
MSVOA_N
ClientSampled :



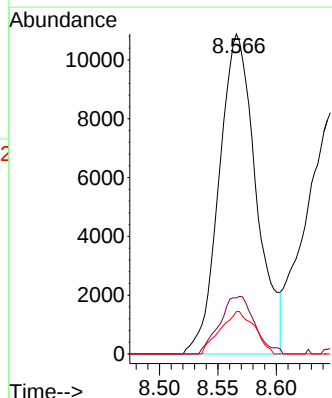
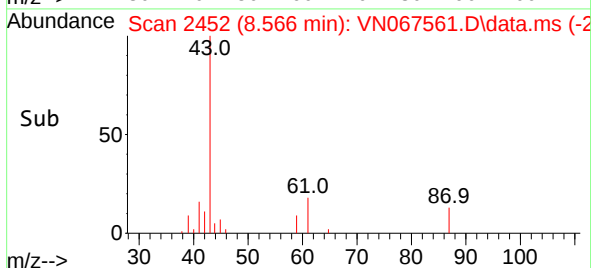
Tgt Ion:117 Resp: 19267
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 23.5 35.3#

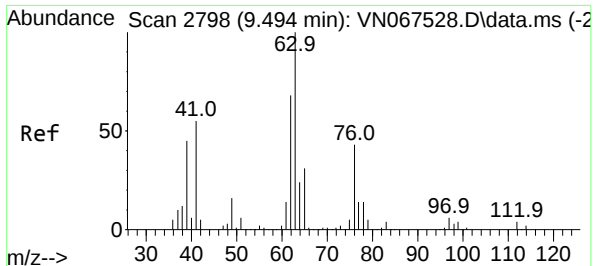


#43
Isopropyl Acetate
Concen: 5.010 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30



Tgt Ion: 43 Resp: 23967
Ion Ratio Lower Upper
43 100
61 16.9 19.0 28.4#
87 12.2 9.5 14.3



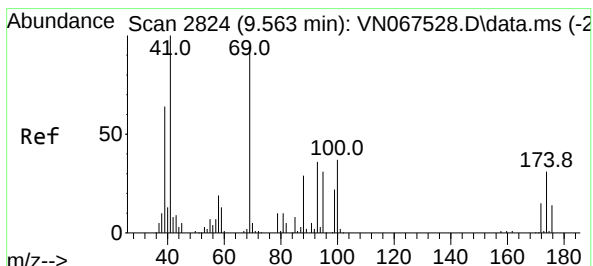
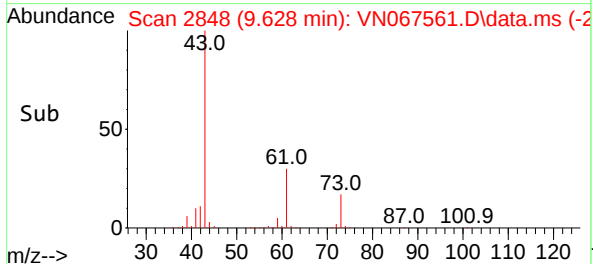
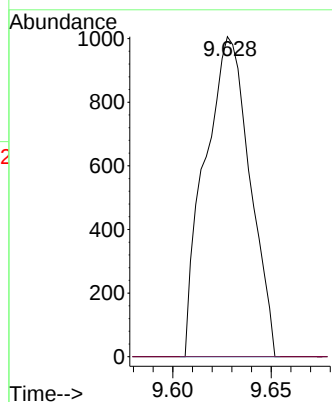
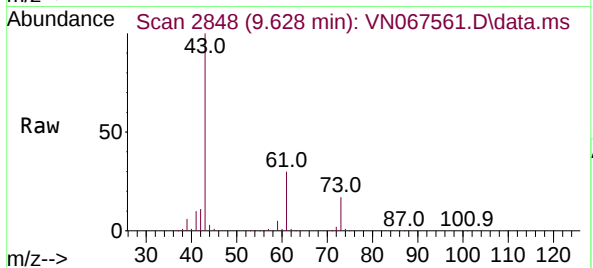


#45

1,2-Dichloropropane
Concen: 0.690 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.134 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Instrument :
MSVOA_N
ClientSampled :

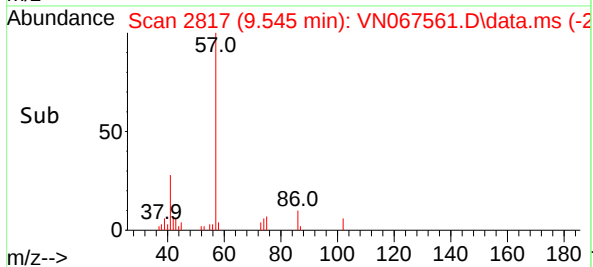
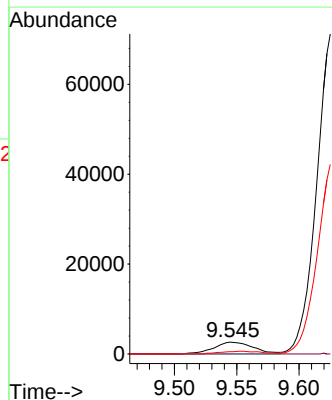
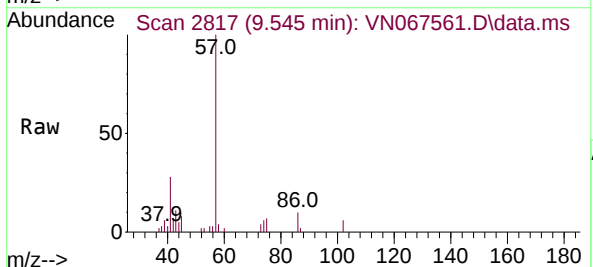
Tgt Ion: 63 Resp: 1595
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

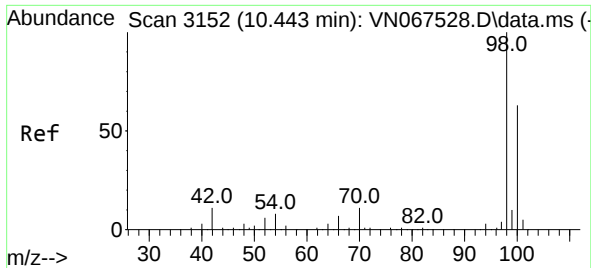


#48

Methyl methacrylate
Concen: 2.758 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.018 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Tgt Ion: 41 Resp: 5777
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

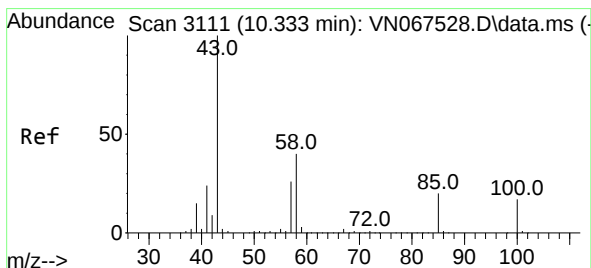
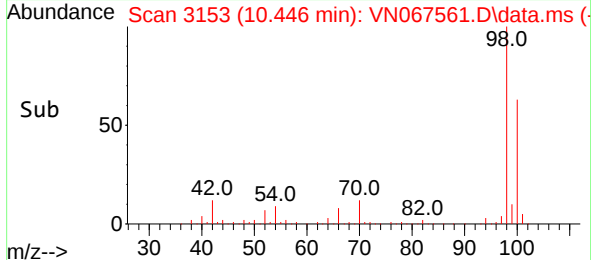
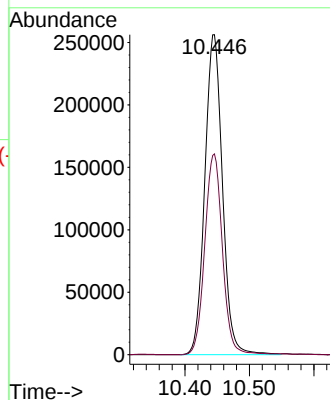
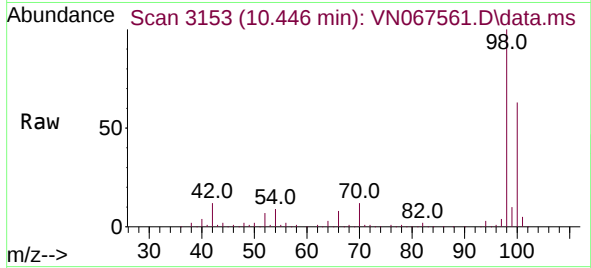




#50
Toluene-d8
Concen: 57.325 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

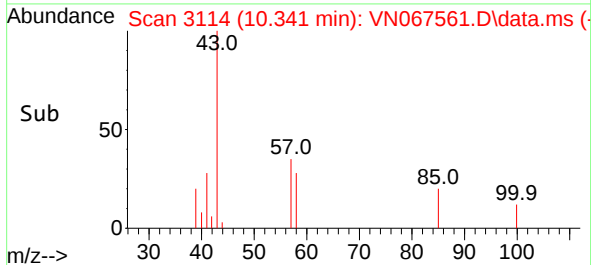
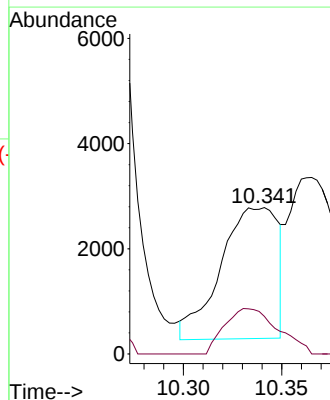
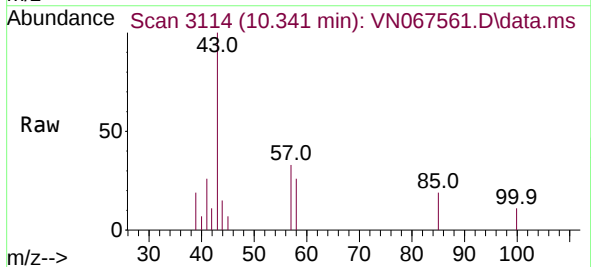
Instrument :
MSVOA_N
ClientSampled :

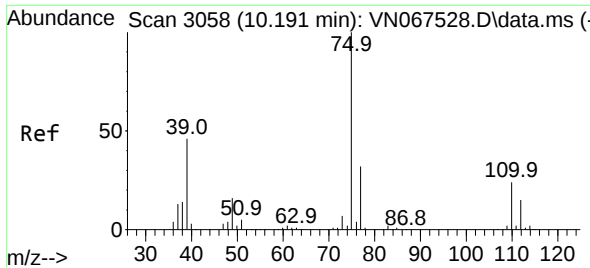
Tgt Ion: 98 Resp: 487744
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.749 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Tgt Ion: 43 Resp: 5047
Ion Ratio Lower Upper
43 100
58 32.3 28.6 43.0

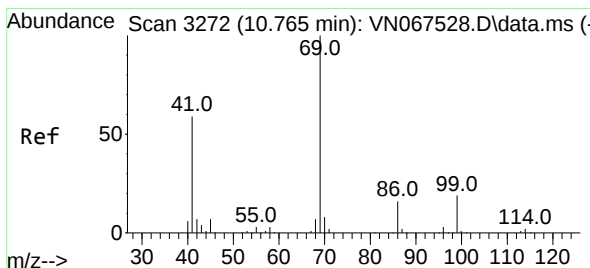
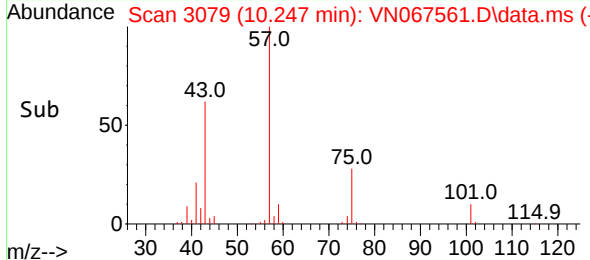
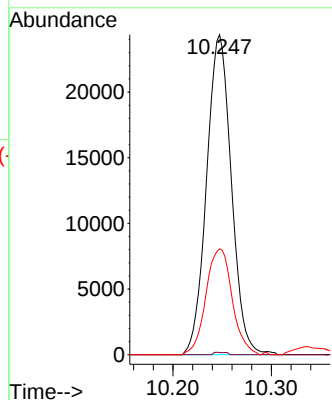
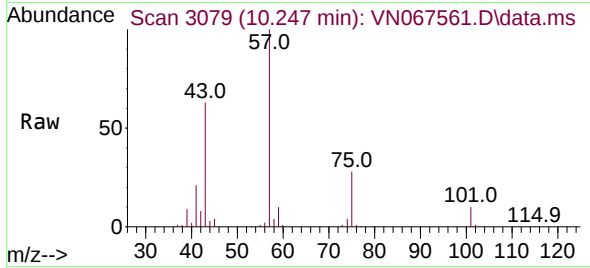




#54
 cis-1,3-Dichloropropene
 Concen: 11.550 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN067561.D
 Acq: 29 Jun 2021 18:30

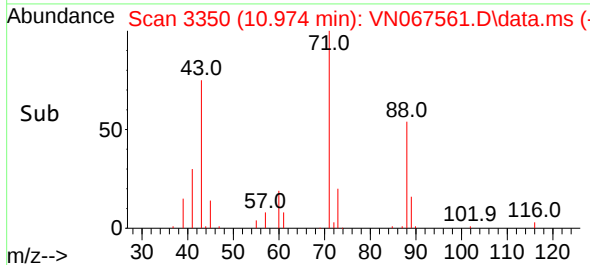
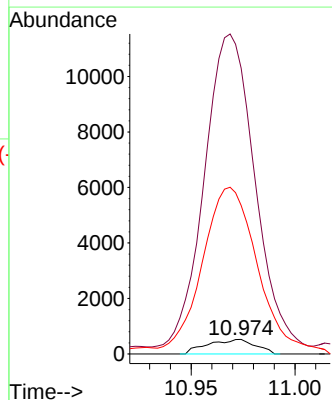
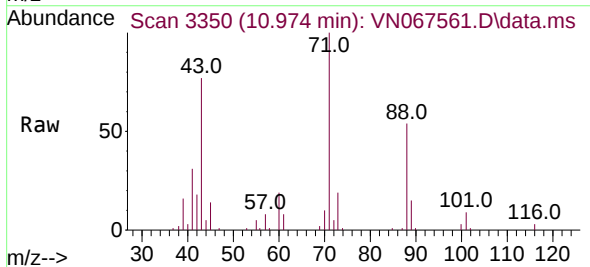
Instrument :
 MSVOA_N
 ClientSampled :

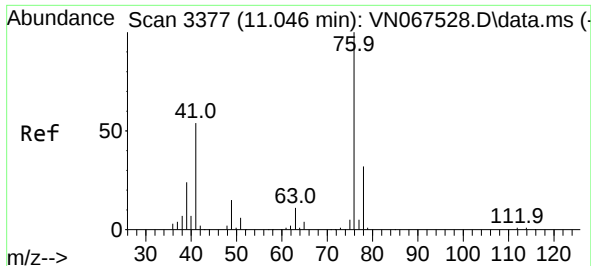
Tgt Ion: 75 Resp: 42639
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.6 37.0#
 39 33.1 50.7 76.1#



#56
 Ethyl methacrylate
 Concen: 0.235 ug/l
 RT: 10.974 min Scan# 3350
 Delta R.T. 0.209 min
 Lab File: VN067561.D
 Acq: 29 Jun 2021 18:30

Tgt Ion: 69 Resp: 837
 Ion Ratio Lower Upper
 69 100
 41 2280.5 58.6 88.0#
 39 1336.7 38.3 57.5#

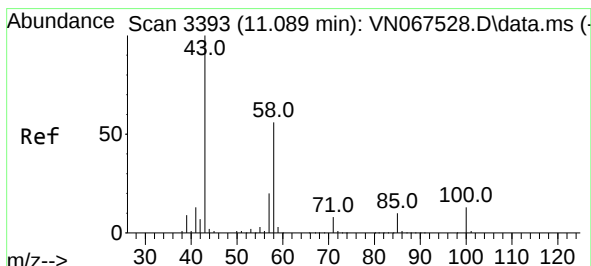
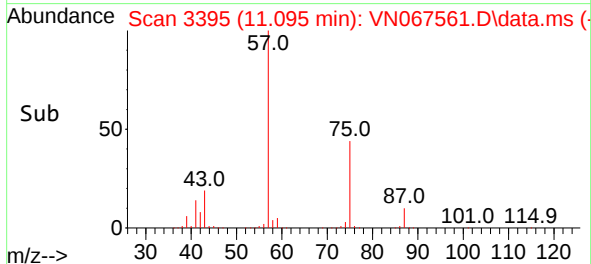
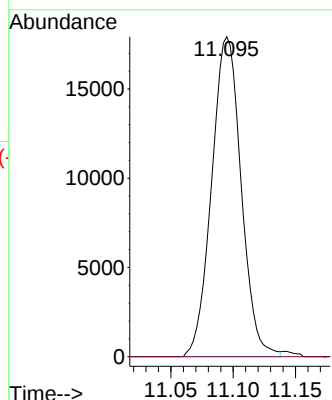
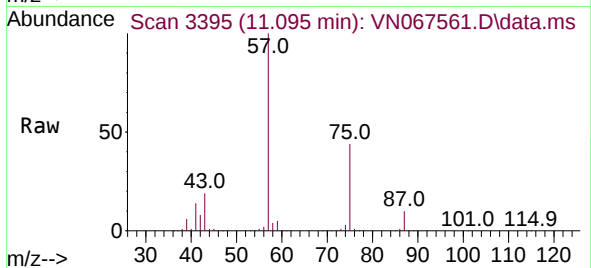




#57
1,3-Dichloropropane
Concen: 7.761 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

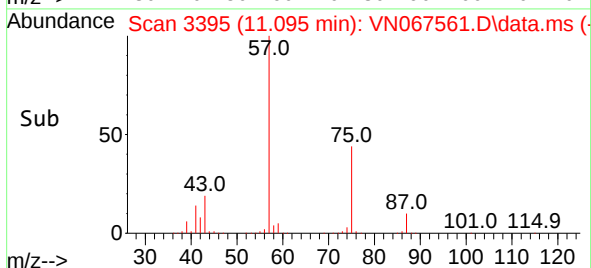
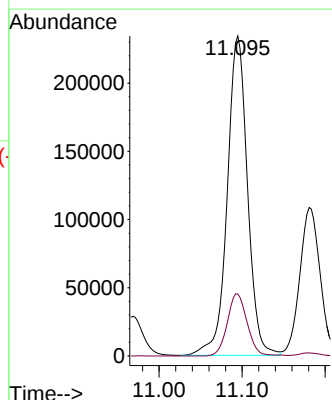
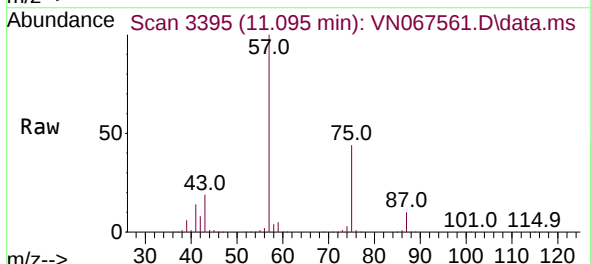
Instrument :
MSVOA_N
ClientSampleId :

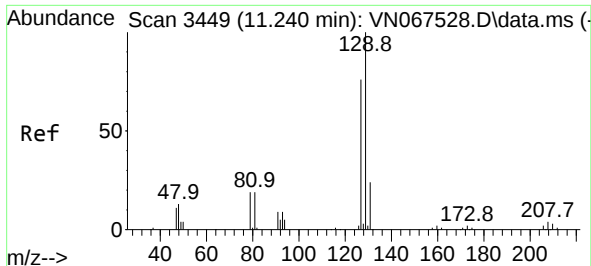
Tgt Ion: 76 Resp: 29576
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 194.531 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Tgt Ion: 43 Resp: 396395
Ion Ratio Lower Upper
43 100
58 19.0 24.7 74.1#

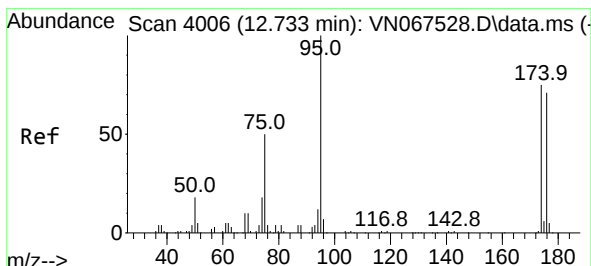
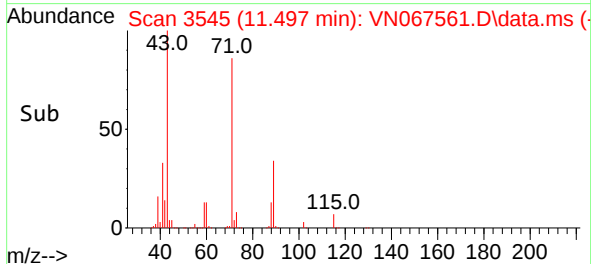
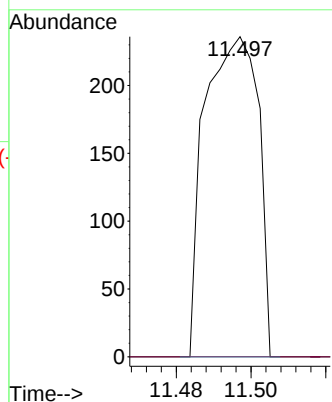
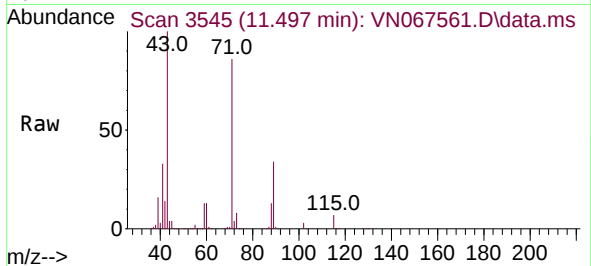




#60
Dibromochloromethane
Concen: 2.491 ug/l
RT: 11.497 min Scan# 3545
Delta R.T. 0.257 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

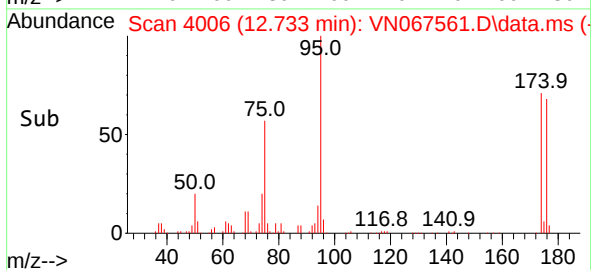
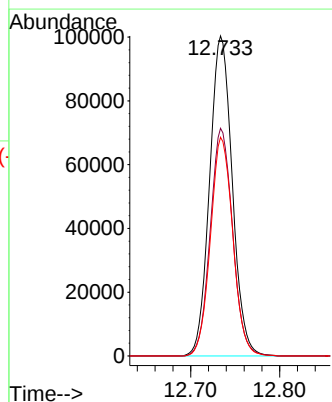
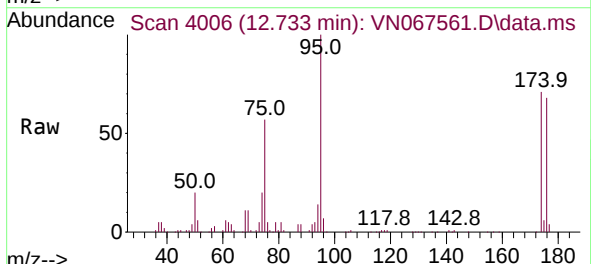
Instrument :
MSVOA_N
ClientSampled :

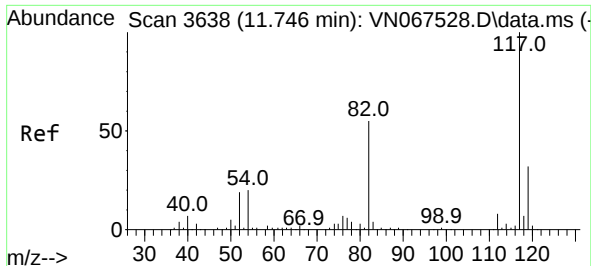
Tgt Ion:129 Resp: 234
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 59.630 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Tgt Ion: 95 Resp: 177219
Ion Ratio Lower Upper
95 100
174 70.4 0.0 122.0
176 67.5 0.0 117.6

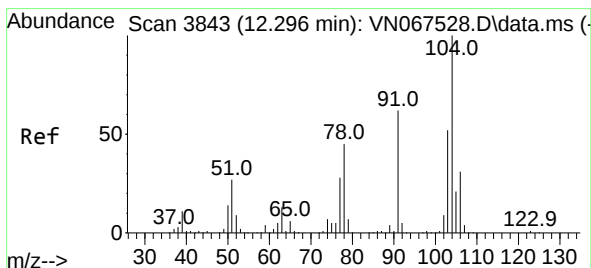
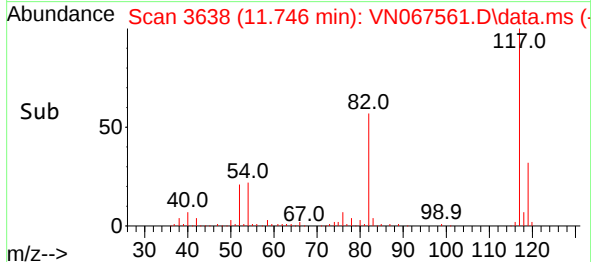
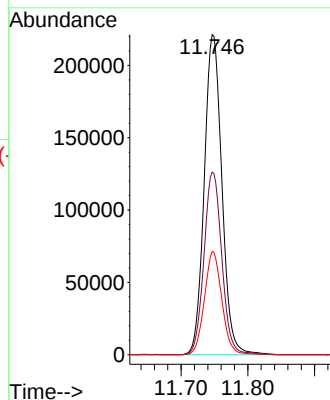
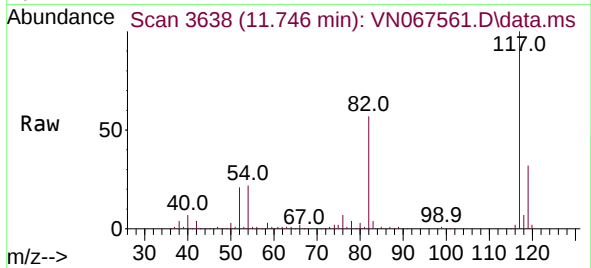




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

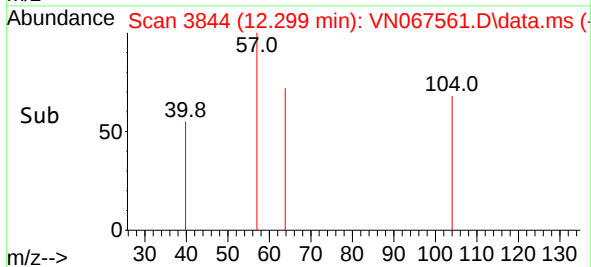
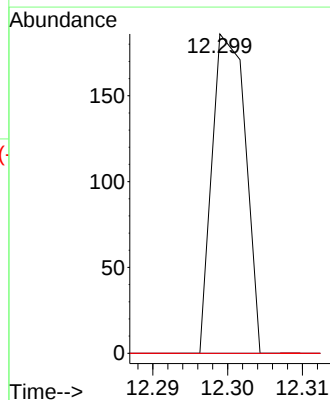
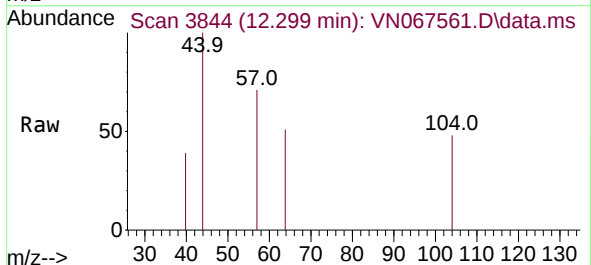
Instrument :
MSVOA_N
ClientSampled :

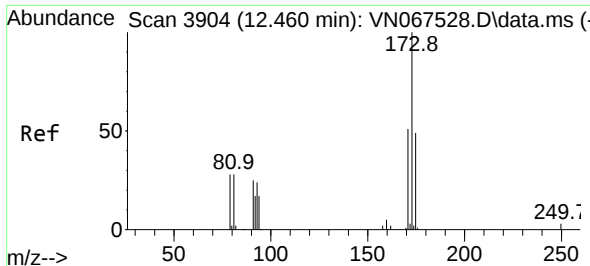
Tgt Ion:117 Resp: 407461
Ion Ratio Lower Upper
117 100
82 57.1 53.1 79.7
119 32.2 25.5 38.3



#70
Styrene
Concen: 1.888 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Tgt Ion:104 Resp: 57
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 0.0 44.5 66.7#

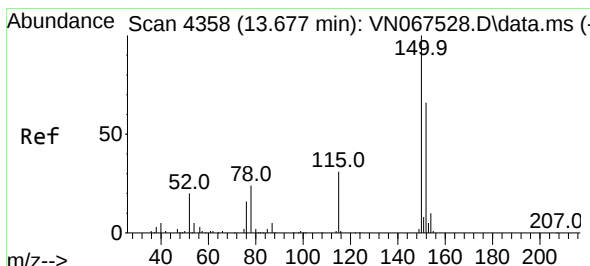
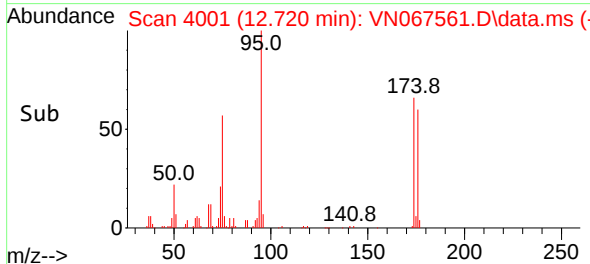
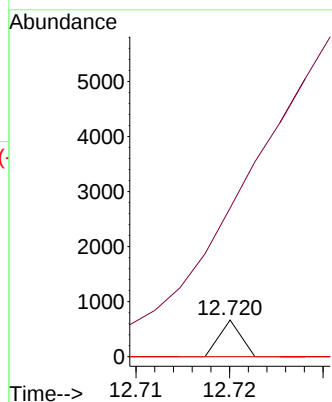
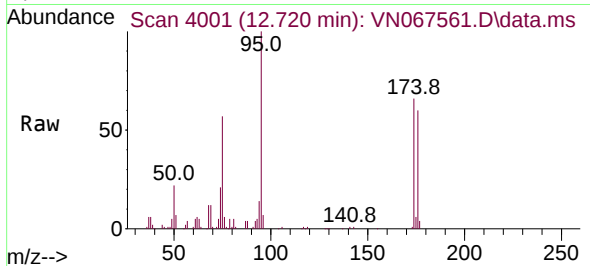




#71
Bromoform
Concen: 3.498 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

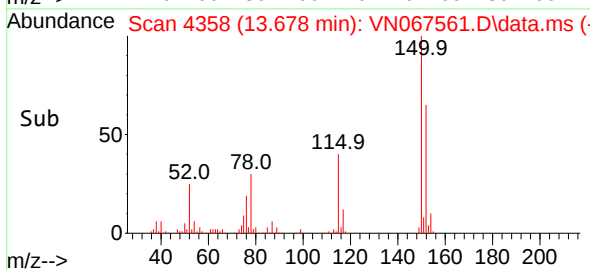
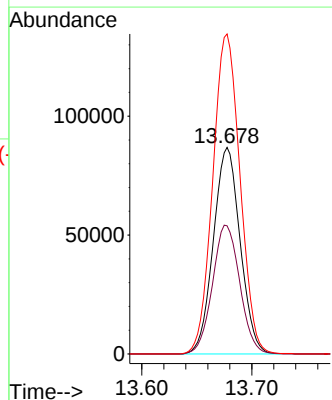
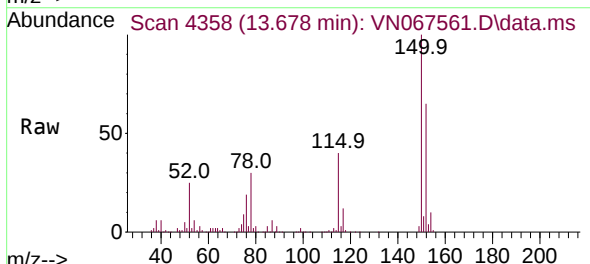
Instrument :
MSVOA_N
ClientSampleId :

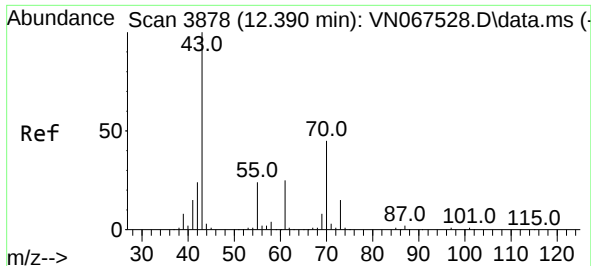
Tgt Ion:173 Resp: 107
Ion Ratio Lower Upper
173 100
175 8543.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Tgt Ion:152 Resp: 147002
Ion Ratio Lower Upper
152 100
115 63.6 36.1 108.5
150 157.6 0.0 351.8

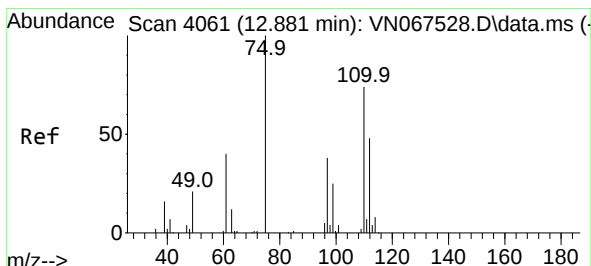
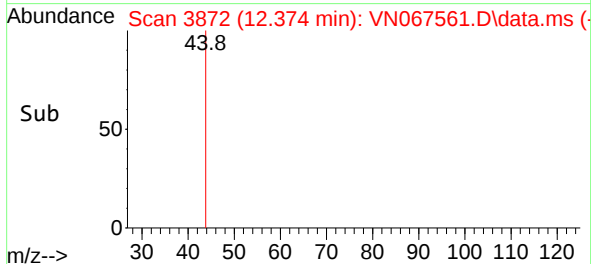
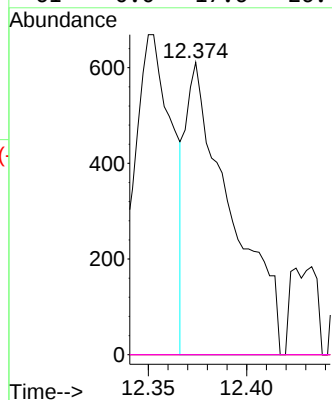
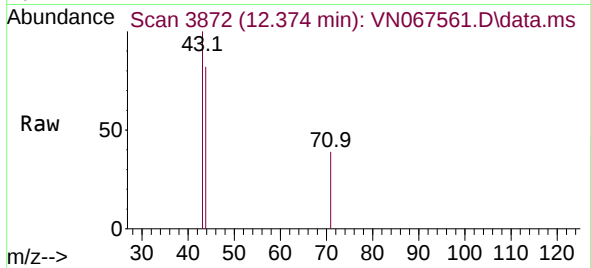




#74
N-amy1 acetate
Concen: 0.240 ug/l
RT: 12.374 min Scan# 3872
Delta R.T. -0.016 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

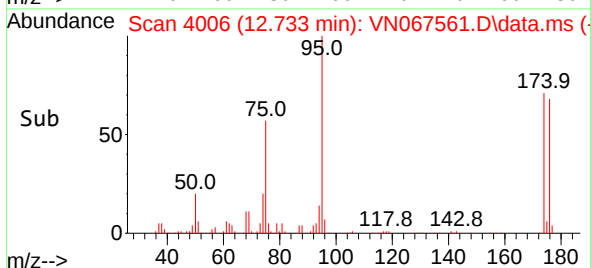
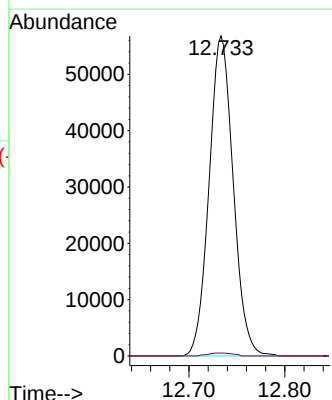
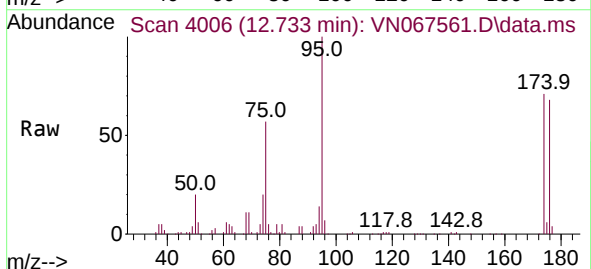
Instrument :
MSVOA_N
ClientSampleId :

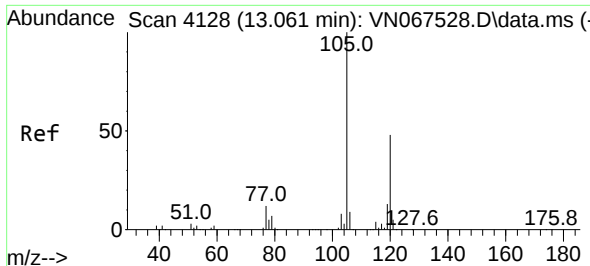
Tgt Ion: 43	Resp: 973
Ion Ratio	Lower Upper
43 100	
70 0.0	29.4 44.2#
55 0.0	17.0 25.4#
61 0.0	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 33.655 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Tgt Ion: 75	Resp: 99163
Ion Ratio	Lower Upper
75 100	
77 1.0	0.0 0.0#

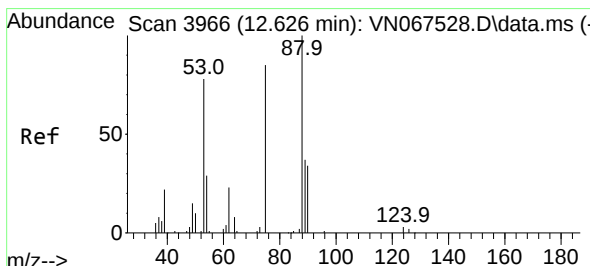
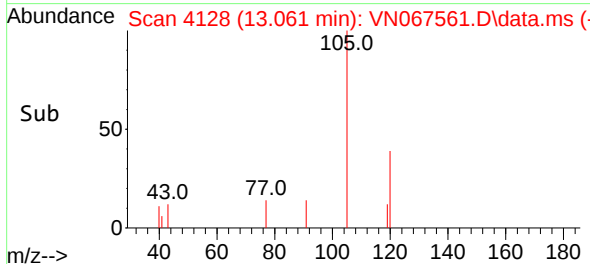
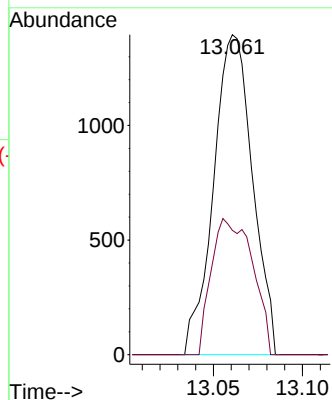
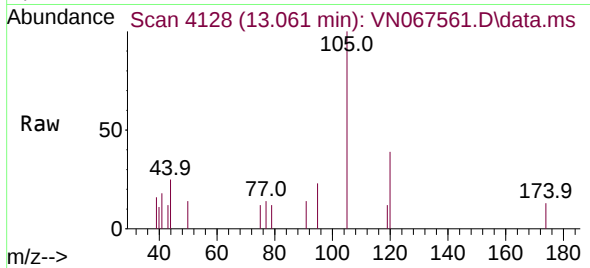




#80
1,3,5-Trimethylbenzene
Concen: 0.210 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

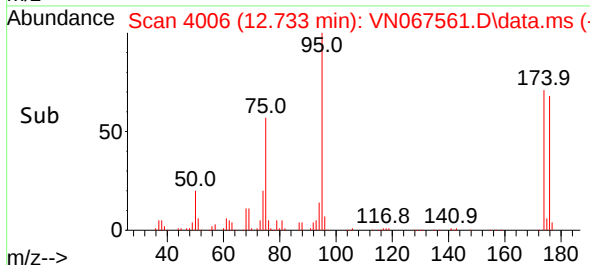
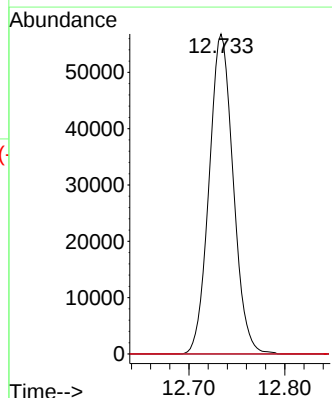
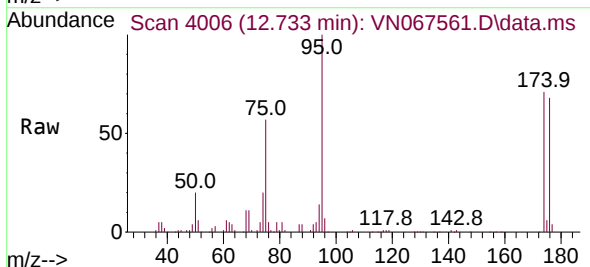
Instrument :
MSVOA_N
ClientSampled :

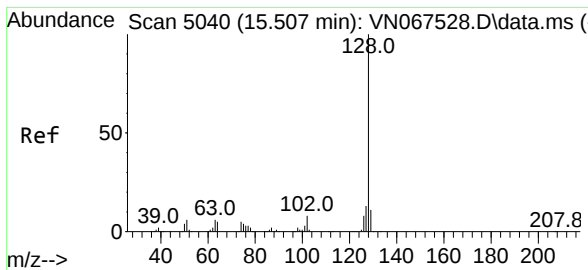
Tgt Ion:105 Resp: 2129
Ion Ratio Lower Upper
105 100
120 44.9 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 96.758 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

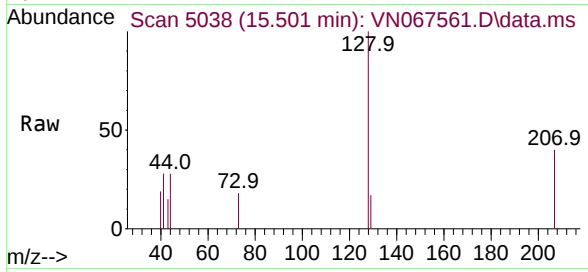
Tgt Ion: 75 Resp: 99163
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.442 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN067561.D
Acq: 29 Jun 2021 18:30

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128	Resp:	2004
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 15.8#
129	2.8	8.6 12.8#

