

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081021\
 Data File : VN068053.D
 Acq On : 10 Aug 2021 11:23
 Operator : JC/MD
 Sample : VN0810WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 11 06:30:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

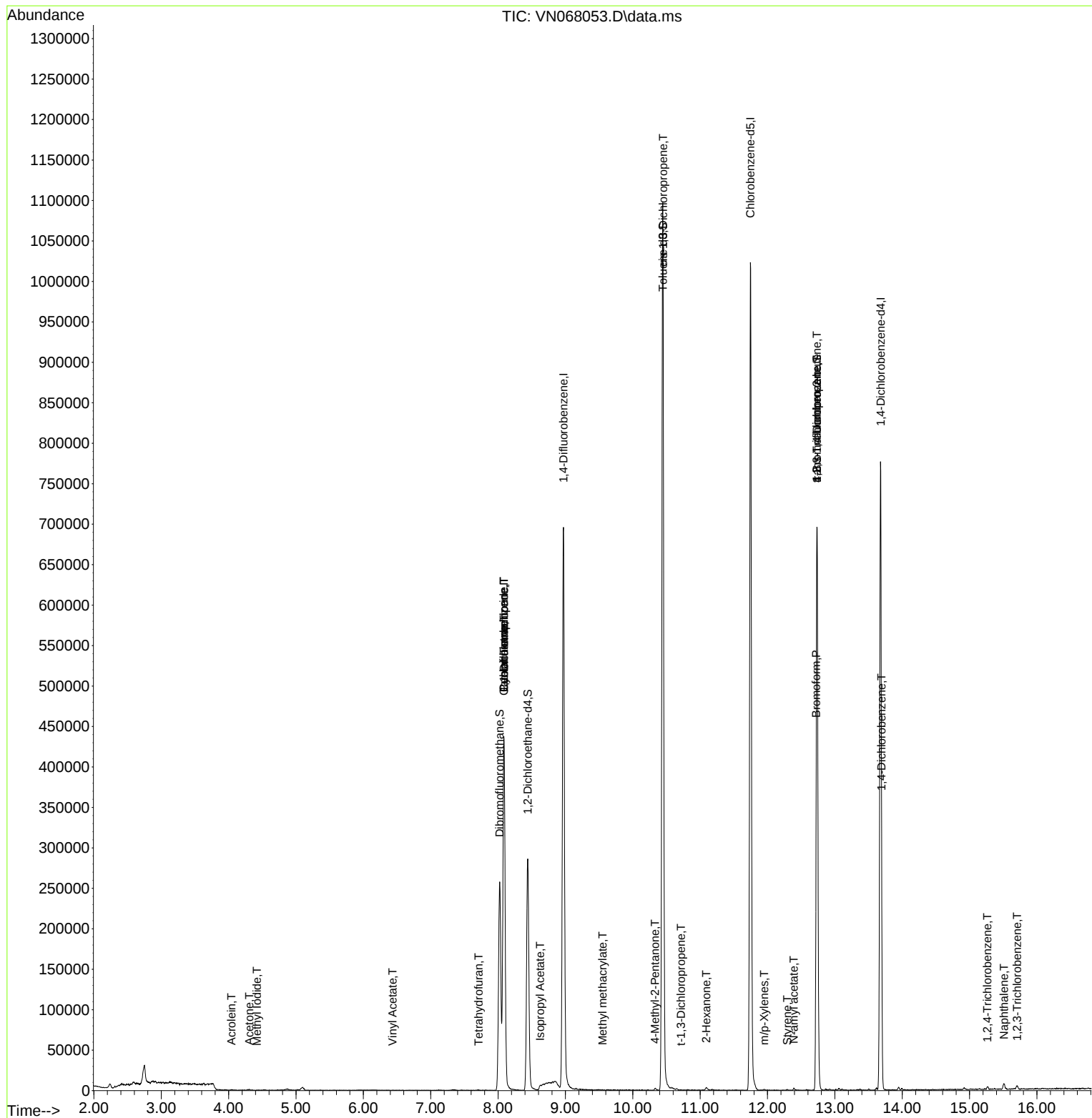
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	321099	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	615563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	594969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	203978	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	246769	54.29	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.58%			
35) Dibromofluoromethane	8.024	113	191170	53.29	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.58%			
50) Toluene-d8	10.446	98	782328	47.47	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.94%			
62) 4-Bromofluorobenzene	12.734	95	251658	42.37	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 84.74%			
Target Compounds						
						Qvalue
10) Methyl Iodide	4.419	142	82	3.14	ug/l	# 33
13) Acrolein	4.041	56	264	0.64	ug/l	# 40
16) Acetone	4.307	43	1773	1.07	ug/l	99
23) Vinyl Acetate	6.436	43	51	8.80	ug/l	# 75
29) Tetrahydrofuran	7.710	42	535	0.35	ug/l	# 35
31) Cyclohexane	8.086	56	7670	1.14	ug/l	# 25
36) 1,1-Dichloropropene	8.086	75	27612	4.85	ug/l	# 51
38) Carbon Tetrachloride	8.088	117	34409	6.14	ug/l	# 16
43) Isopropyl Acetate	8.625	43	2913	0.33	ug/l	# 58
48) Methyl methacrylate	9.553	41	79	2.32	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.330	43	961	12.71	ug/l	# 70
53) t-1,3-Dichloropropene	10.714	75	30	2.84	ug/l	# 43
54) cis-1,3-Dichloropropene	10.451	75	88	2.37	ug/l	# 46
59) 2-Hexanone	11.089	43	3085	13.92	ug/l	94
68) m/p-Xylenes	11.953	106	424	4.11	ug/l	74
70) Styrene	12.296	104	541	2.66	ug/l	# 40
71) Bromoform	12.723	173	551	4.16	ug/l	# 1
74) N-amyl acetate	12.390	43	1427	0.25	ug/l	# 77
76) 1,2,3-Trichloropropane	12.734	75	137701	33.61	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	137701	90.15	ug/l	# 6
88) 1,4-Dichlorobenzene	13.694	146	1439	0.21	ug/l	# 62
93) 1,2,4-Trichlorobenzene	15.265	180	1172	2.84	ug/l	# 77
95) Naphthalene	15.509	128	6571	3.84	ug/l	96
96) 1,2,3-Trichlorobenzene	15.705	180	1514	2.88	ug/l	96

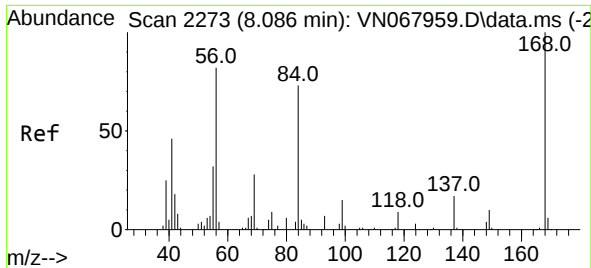
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Aug 11 06:30:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
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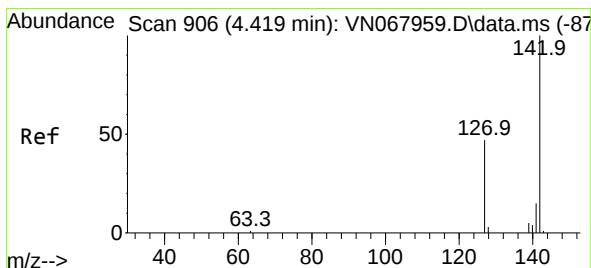
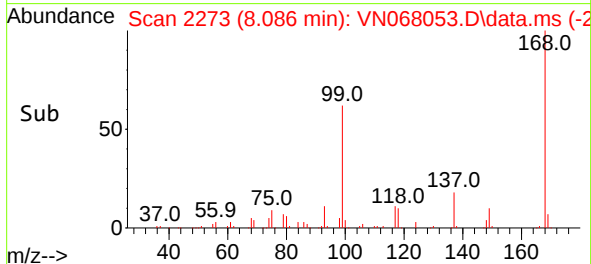
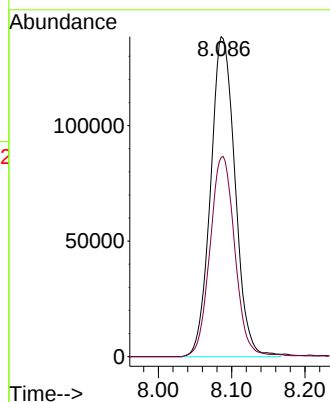
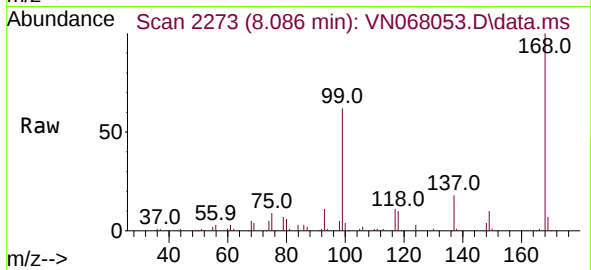




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

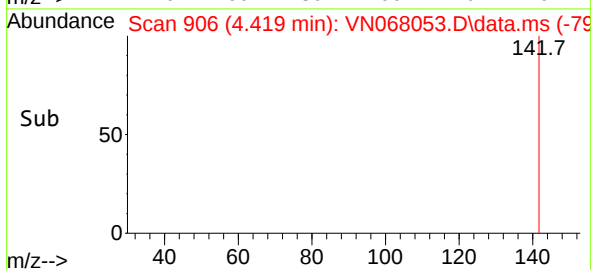
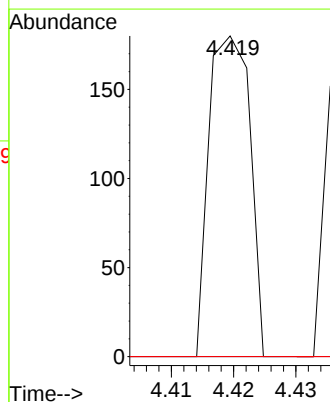
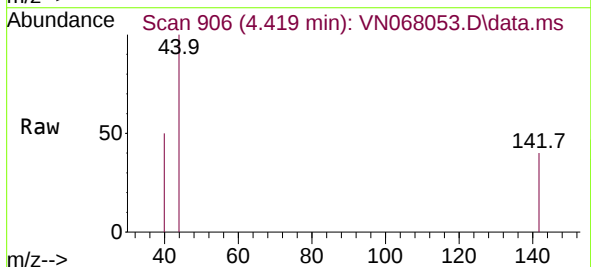
Instrument :
MSVOA_N
ClientSampled :

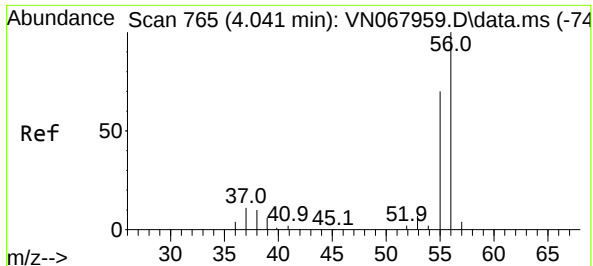
Tgt Ion:168 Resp: 321099
Ion Ratio Lower Upper
168 100
99 62.3 62.9 94.3#



#10
Methyl Iodide
Concen: 3.14 ug/l
RT: 4.419 min Scan# 906
Delta R.T. 0.000 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Tgt Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

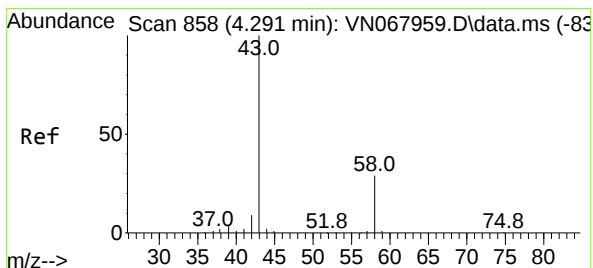
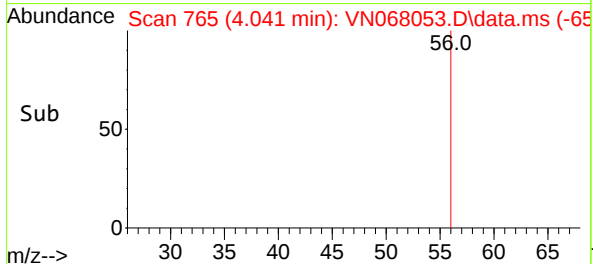
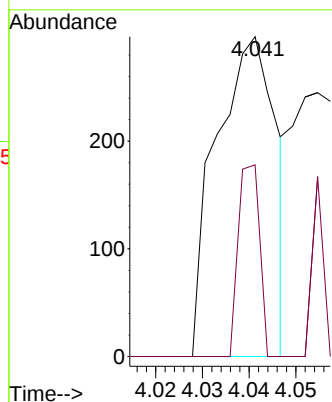
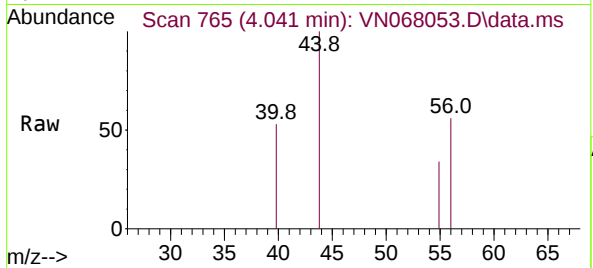




#13
Acrolein
Concen: 0.64 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

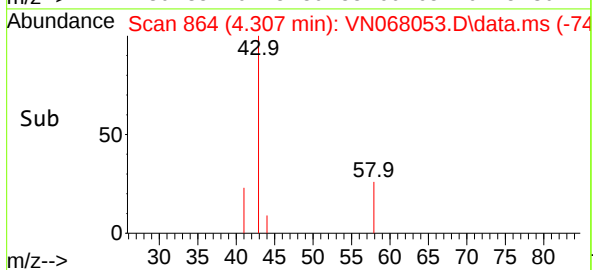
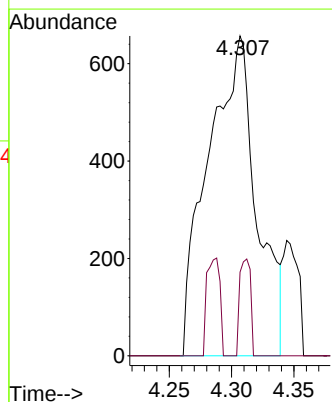
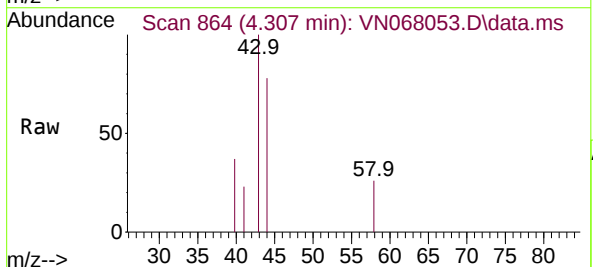
Instrument :
MSVOA_N
ClientSampled :

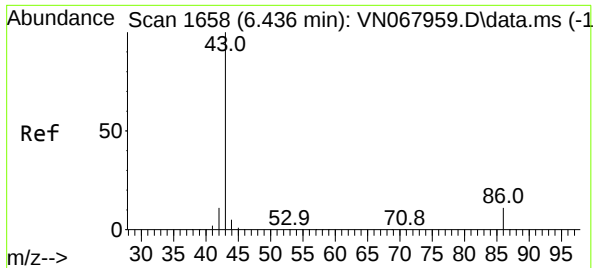
Tgt Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
55 21.6 57.4 86.0#



#16
Acetone
Concen: 1.07 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.016 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Tgt Ion: 43 Resp: 1773
Ion Ratio Lower Upper
43 100
58 26.2 21.2 31.8

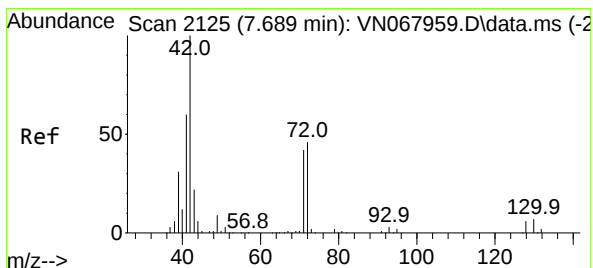
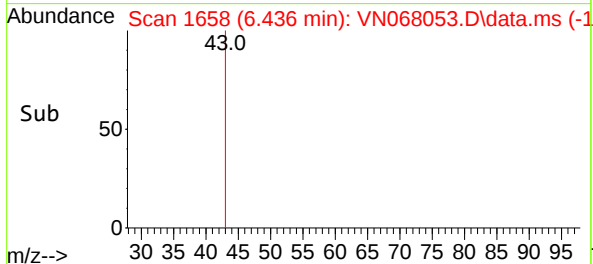
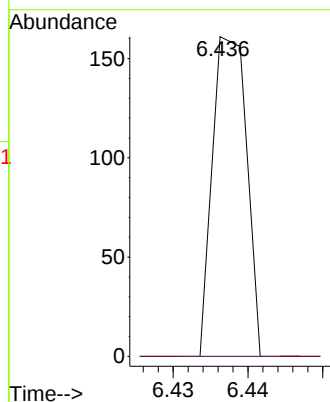
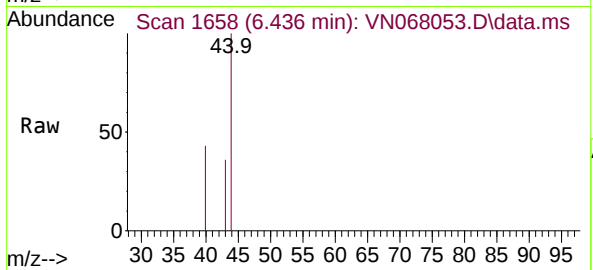




#23
 Vinyl Acetate
 Concen: 8.80 ug/l
 RT: 6.436 min Scan# 1658
 Delta R.T. 0.000 min
 Lab File: VN068053.D
 Acq: 10 Aug 2021 11:23

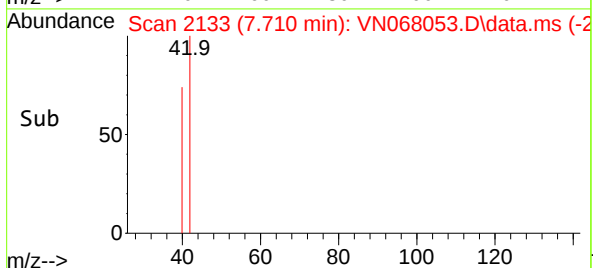
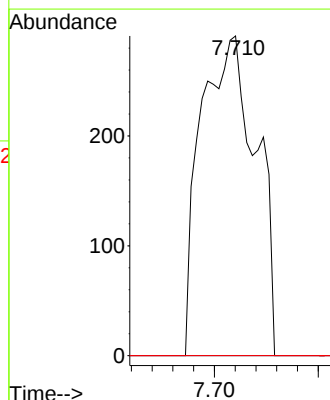
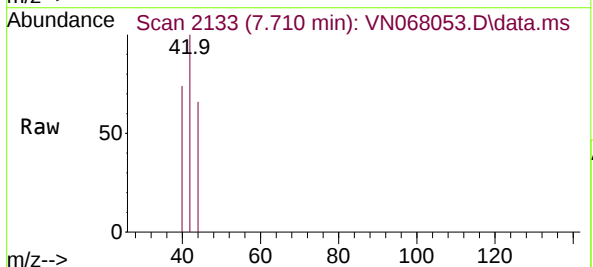
Instrument :
 MSVOA_N
 ClientSampled :

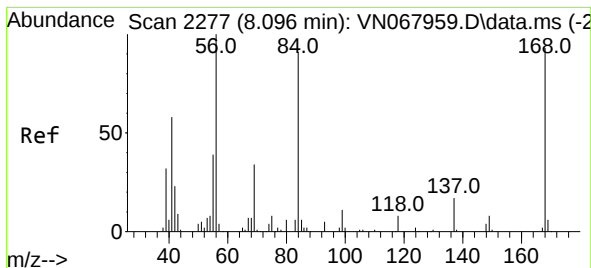
Tgt Ion: 43 Resp: 51
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.3 10.9#



#29
 Tetrahydrofuran
 Concen: 0.35 ug/l
 RT: 7.710 min Scan# 2133
 Delta R.T. 0.021 min
 Lab File: VN068053.D
 Acq: 10 Aug 2021 11:23

Tgt Ion: 42 Resp: 535
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.8 49.2#
 71 0.0 31.2 46.8#

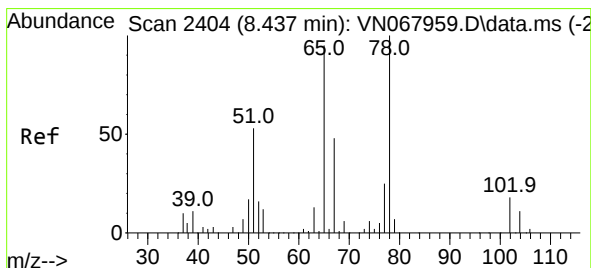
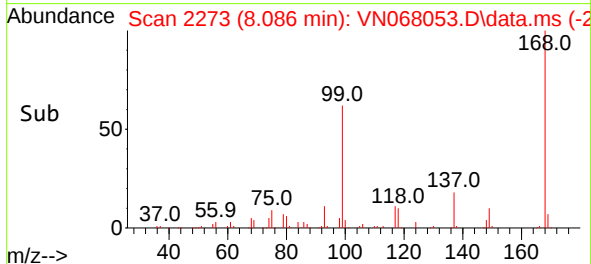
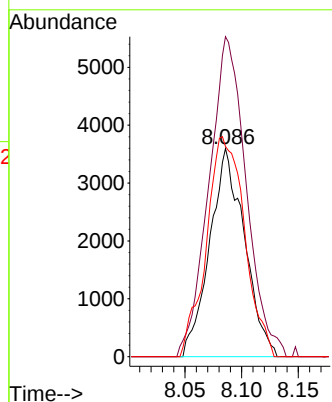
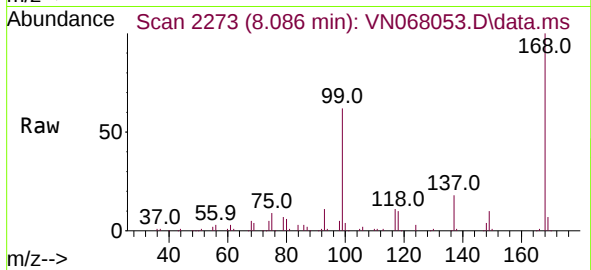




#31
Cyclohexane
Concen: 1.14 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

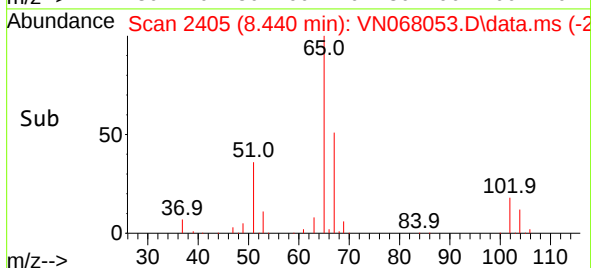
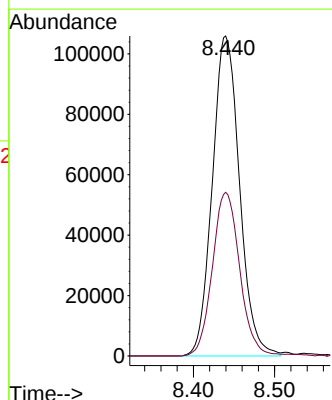
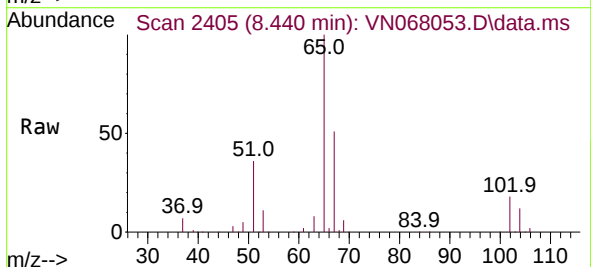
Instrument :
MSVOA_N
ClientSampled :

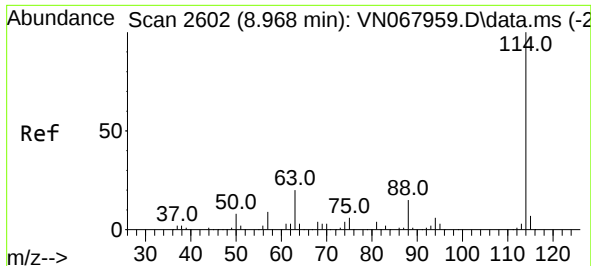
Tgt Ion: 56 Resp: 7670
Ion Ratio Lower Upper
56 100
69 148.8 27.3 40.9#
84 101.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.29 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Tgt Ion: 65 Resp: 246769
Ion Ratio Lower Upper
65 100
67 51.7 0.0 98.6

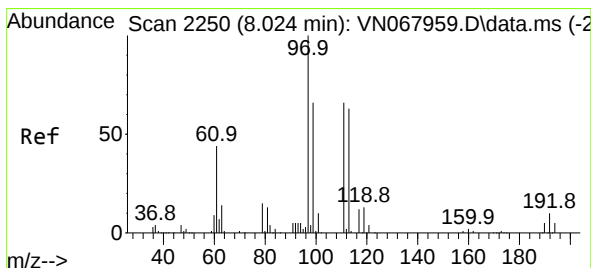
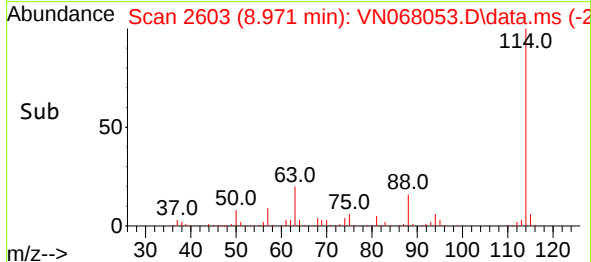
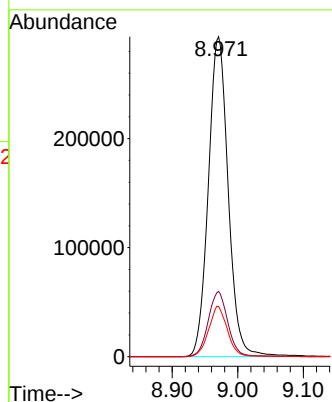
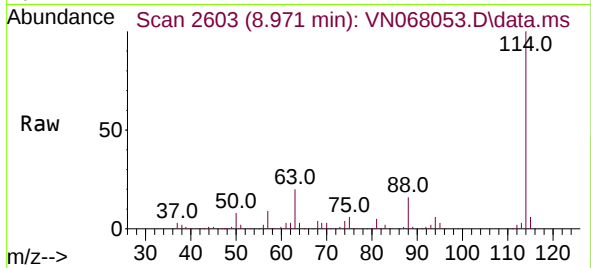




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068053.D
 Acq: 10 Aug 2021 11:23

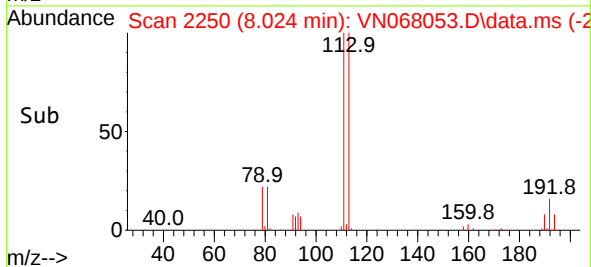
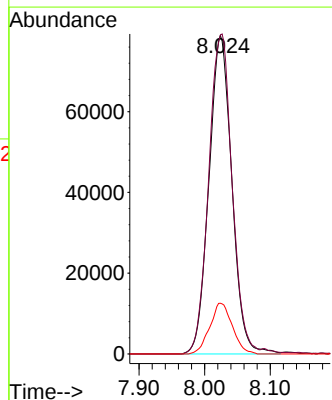
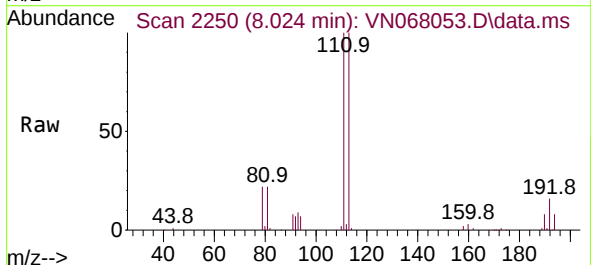
Instrument :
 MSVOA_N
 ClientSampled :

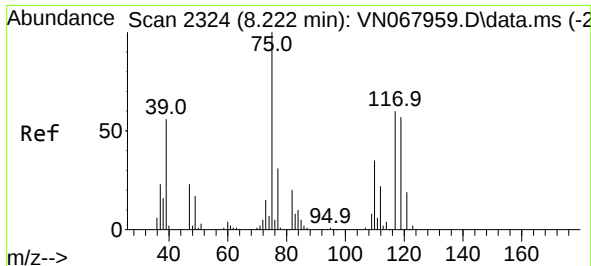
Tgt Ion:114 Resp: 615563
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 49.0
 88 15.7 0.0 36.6



#35
 Dibromofluoromethane
 Concen: 53.29 ug/l
 RT: 8.024 min Scan# 2250
 Delta R.T. -0.000 min
 Lab File: VN068053.D
 Acq: 10 Aug 2021 11:23

Tgt Ion:113 Resp: 191170
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.8 125.8
 192 15.7 13.4 20.0





#36

1,1-Dichloropropene

Concen: 4.85 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.136 min

Lab File: VN068053.D

Acq: 10 Aug 2021 11:23

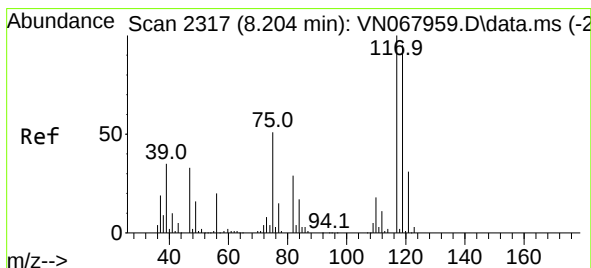
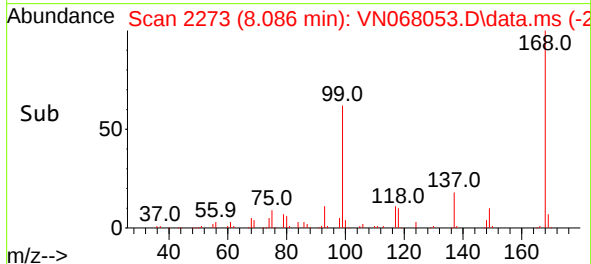
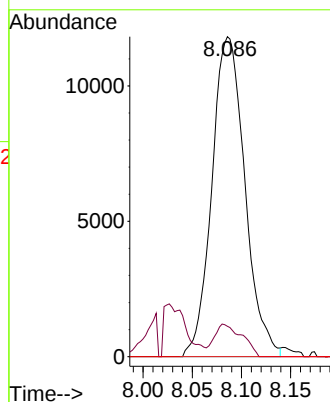
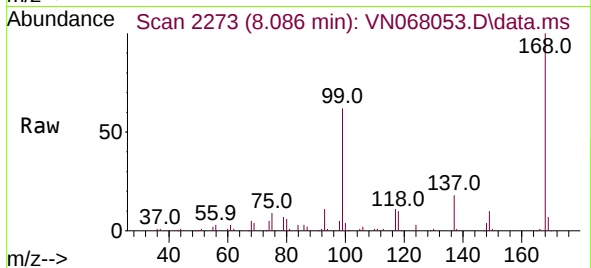
Tgt Ion: 75 Resp: 27612

Ion Ratio Lower Upper

75 100

110 8.5 15.7 47.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.14 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.116 min

Lab File: VN068053.D

Acq: 10 Aug 2021 11:23

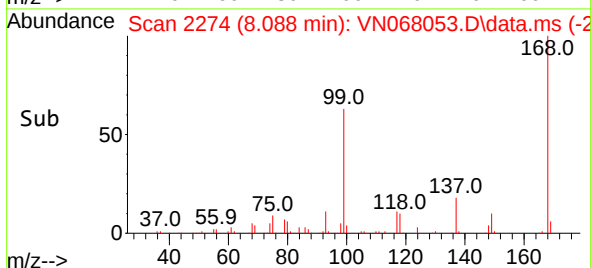
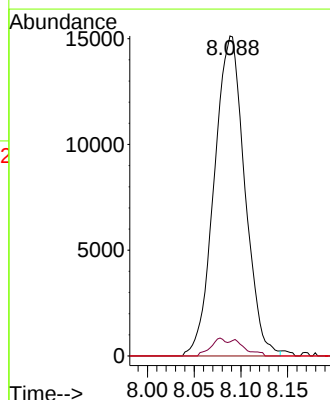
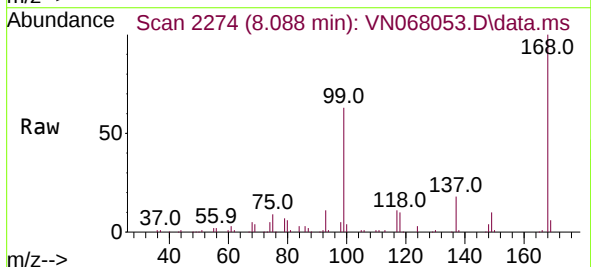
Tgt Ion: 117 Resp: 34409

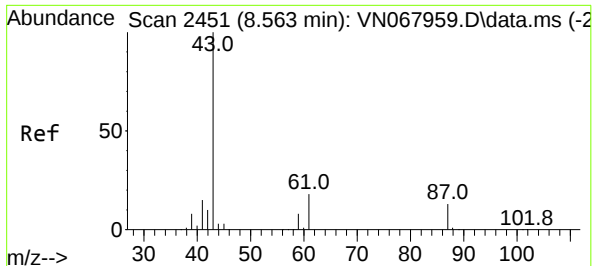
Ion Ratio Lower Upper

117 100

119 4.4 75.4 113.2#

121 0.0 23.5 35.3#





#43

Isopropyl Acetate

Concen: 0.33 ug/l

RT: 8.625 min Scan# 2474

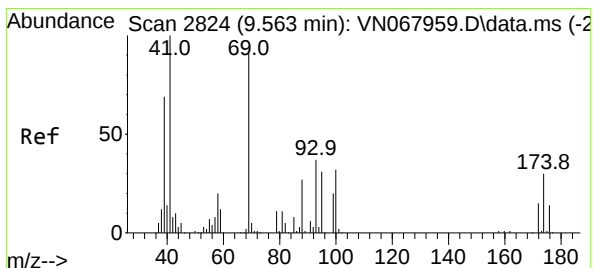
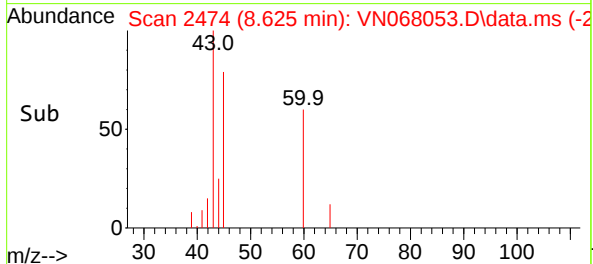
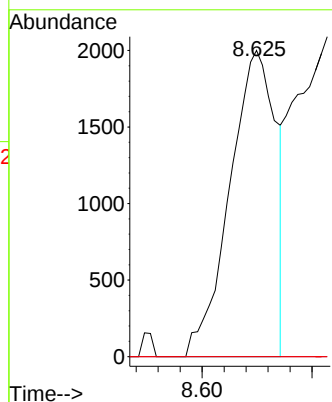
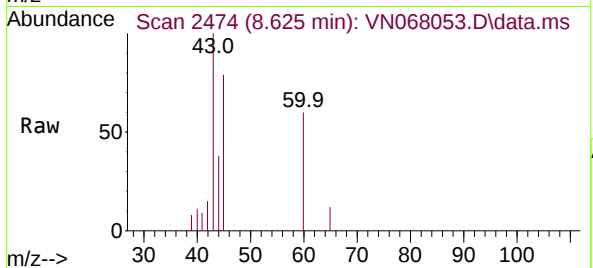
Delta R.T. 0.062 min

Lab File: VN068053.D

Acq: 10 Aug 2021 11:23

Tgt Ion:	43	Resp:	2913
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.0	28.4#
87	0.0	9.5	14.3#

Instrument :
MSVOA_N
ClientSampled :



#48

Methyl methacrylate

Concen: 2.32 ug/l

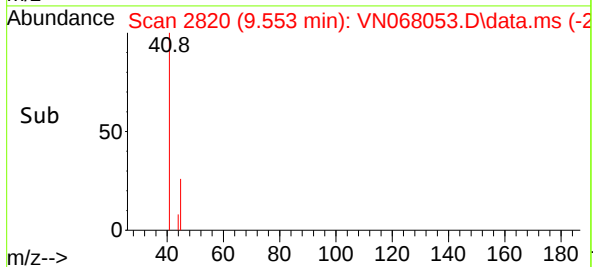
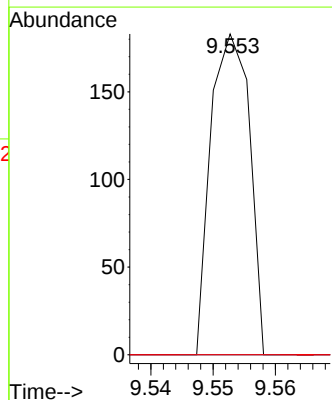
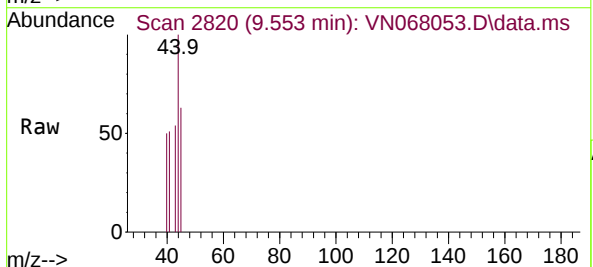
RT: 9.553 min Scan# 2820

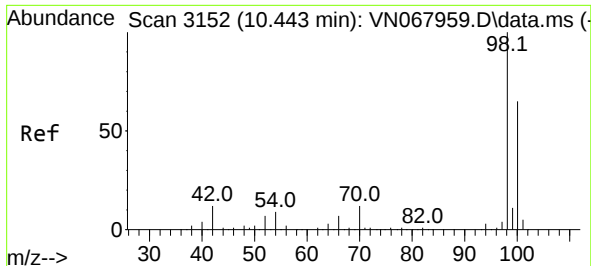
Delta R.T. -0.010 min

Lab File: VN068053.D

Acq: 10 Aug 2021 11:23

Tgt Ion:	41	Resp:	79
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	0.0	53.3	79.9#

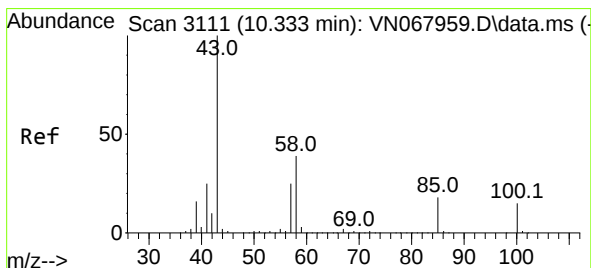
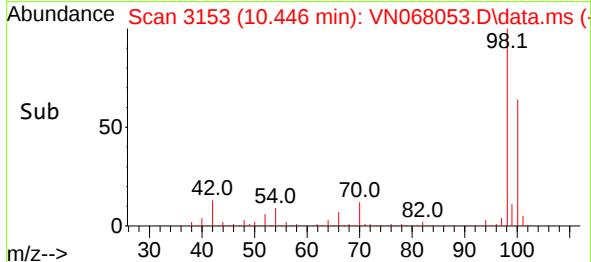
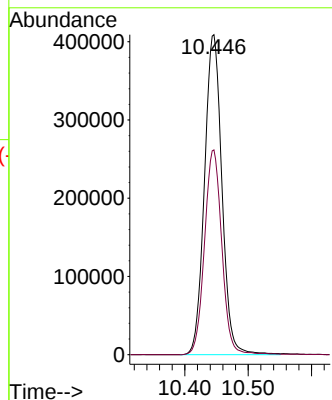
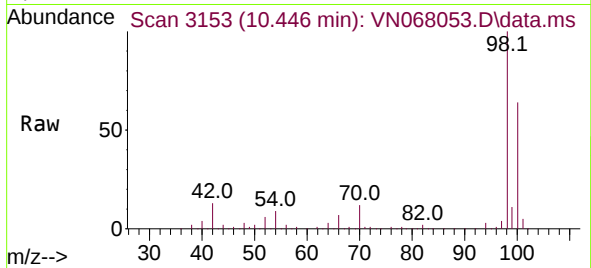




#50
Toluene-d8
Concen: 47.47 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

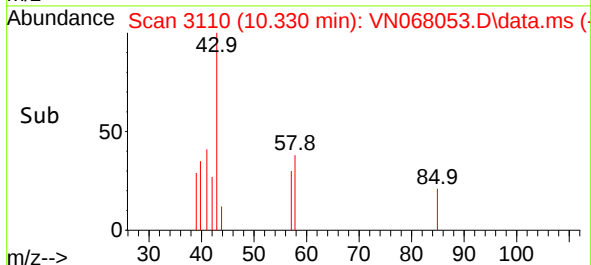
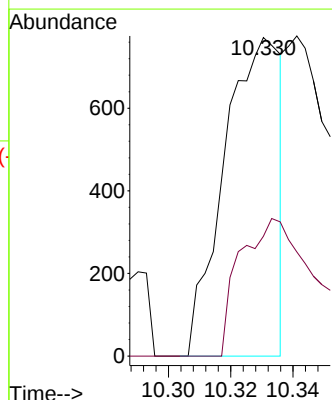
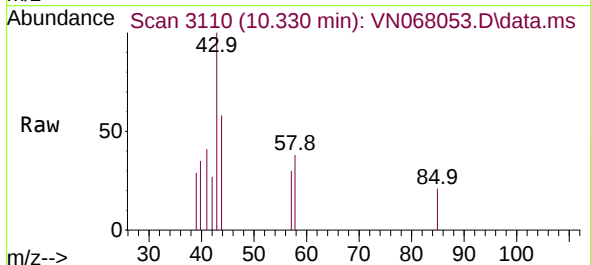
Instrument :
MSVOA_N
ClientSampled :

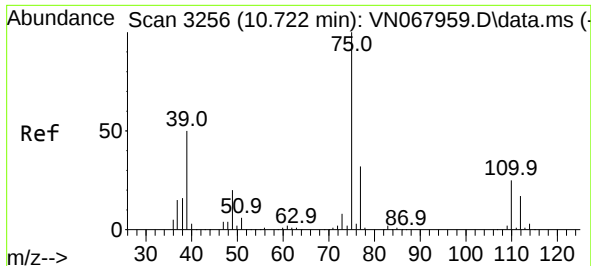
Tgt Ion: 98 Resp: 782328
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.71 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
58 53.6 28.6 43.0#

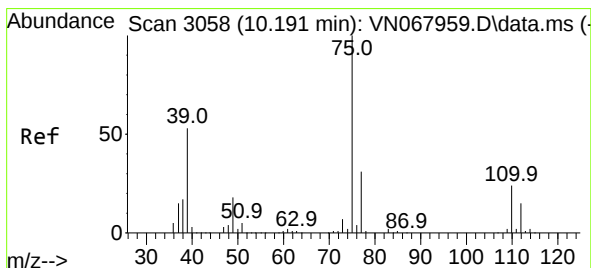
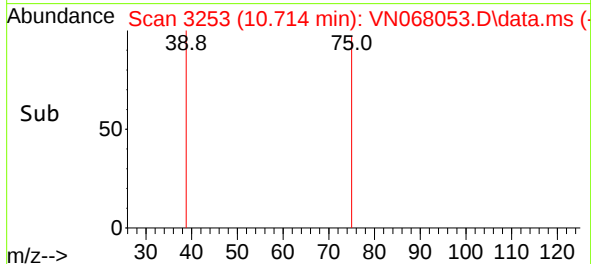
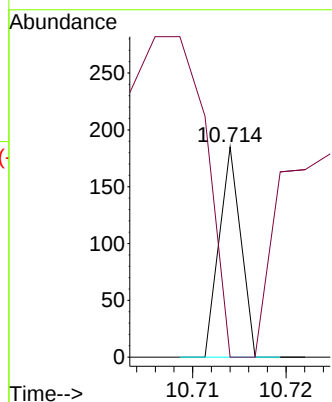
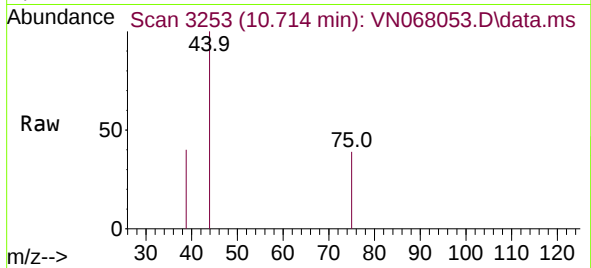




#53
t-1,3-Dichloropropene
Concen: 2.84 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.008 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

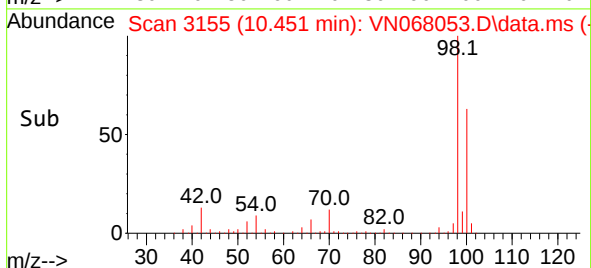
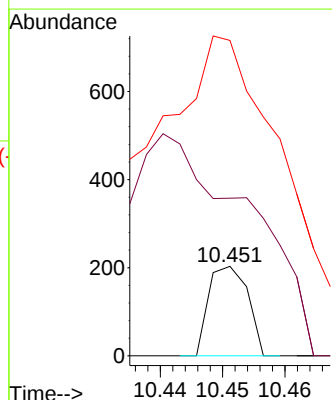
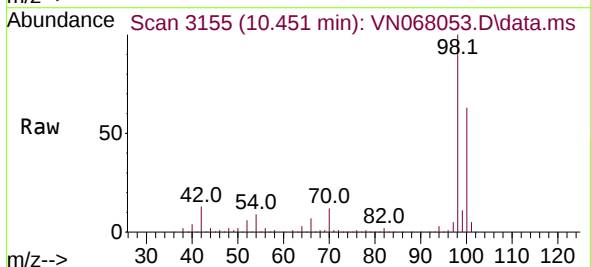
Instrument :
MSVOA_N
ClientSampled :

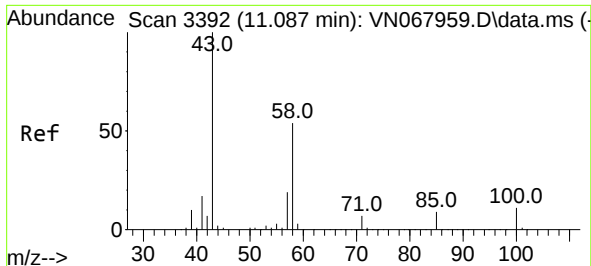
Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.37 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. 0.260 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Tgt Ion: 75 Resp: 88
Ion Ratio Lower Upper
75 100
77 52.7 24.6 37.0#
39 110.3 50.7 76.1#

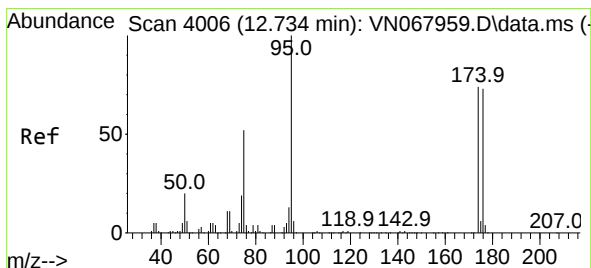
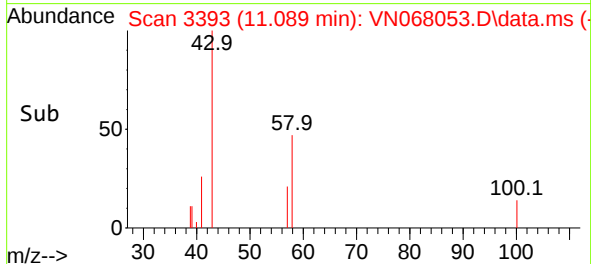
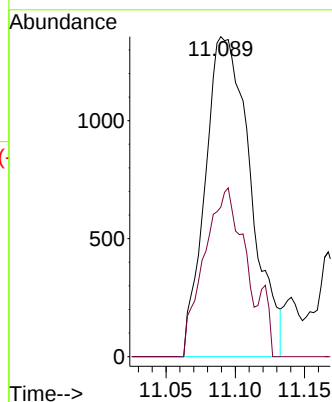
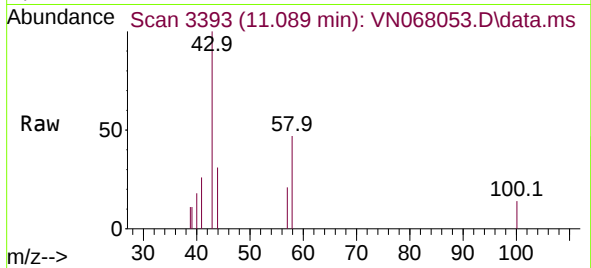




#59
2-Hexanone
Concen: 13.92 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

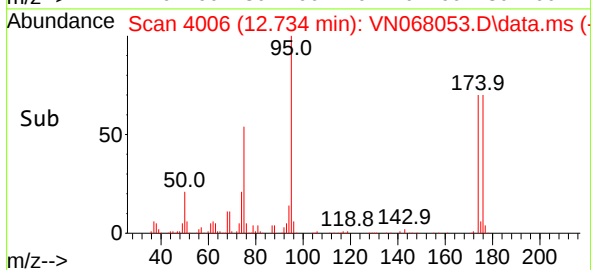
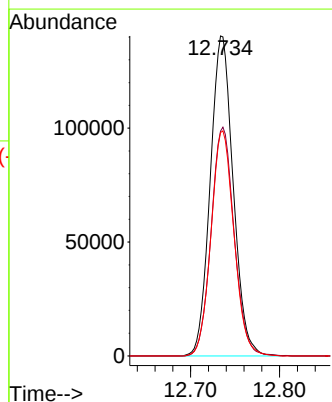
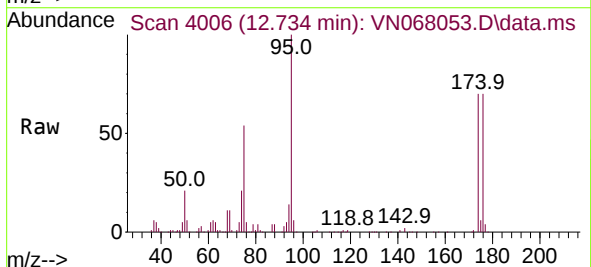
Instrument :
MSVOA_N
ClientSampled :

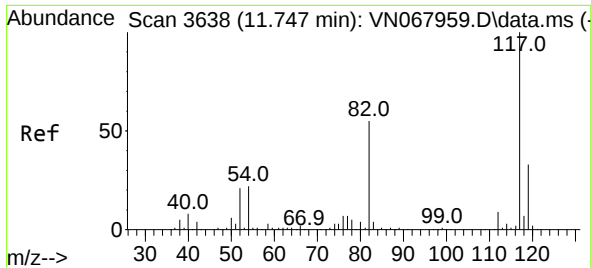
Tgt Ion: 43 Resp: 3085
Ion Ratio Lower Upper
43 100
58 45.4 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 42.37 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Tgt Ion: 95 Resp: 251658
Ion Ratio Lower Upper
95 100
174 71.7 0.0 122.0
176 70.4 0.0 117.6

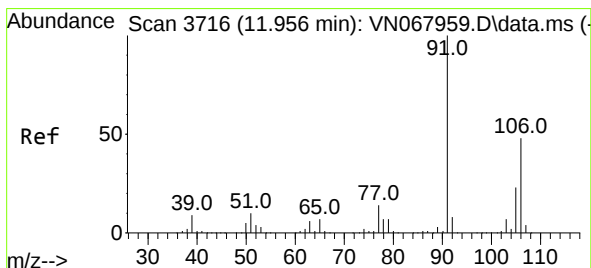
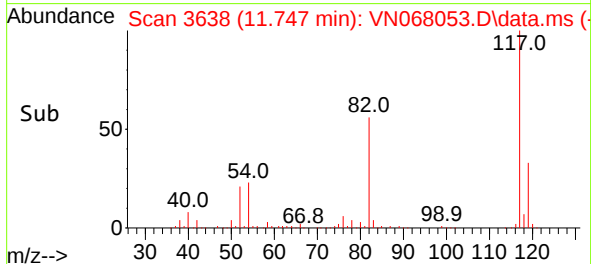
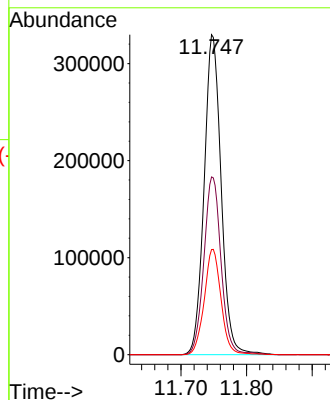
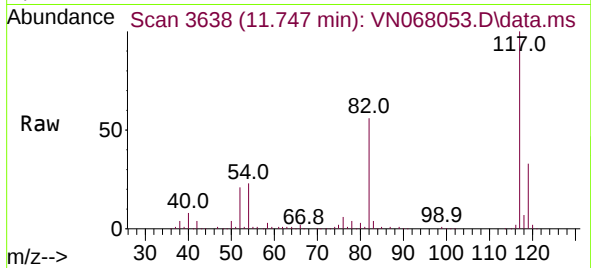




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

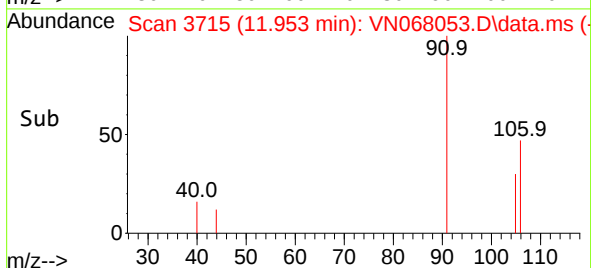
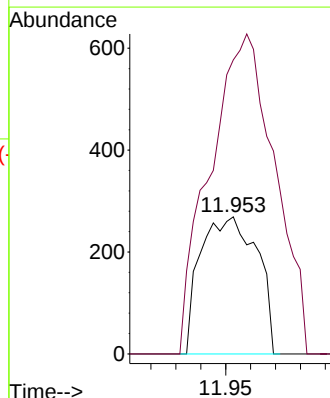
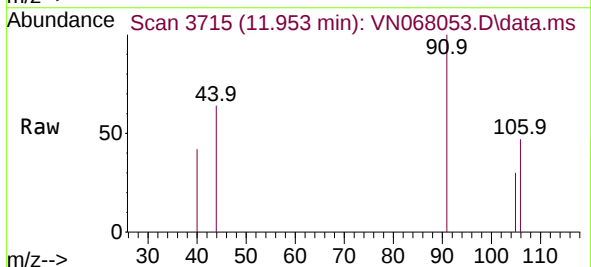
Instrument :
MSVOA_N
ClientSampled :

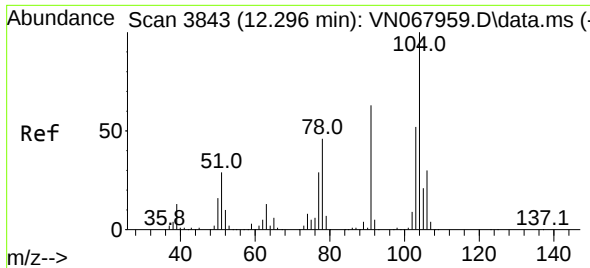
Tgt Ion:117 Resp: 594969
Ion Ratio Lower Upper
117 100
82 55.5 53.1 79.7
119 32.9 25.5 38.3



#68
m/p-Xylenes
Concen: 4.11 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

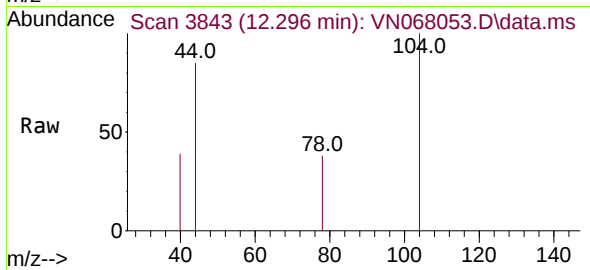
Tgt Ion:106 Resp: 424
Ion Ratio Lower Upper
106 100
91 268.2 180.6 270.8



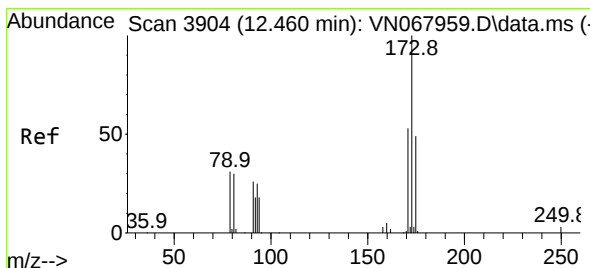
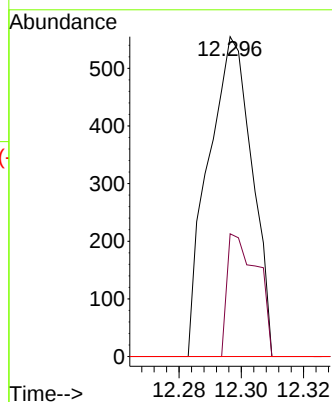
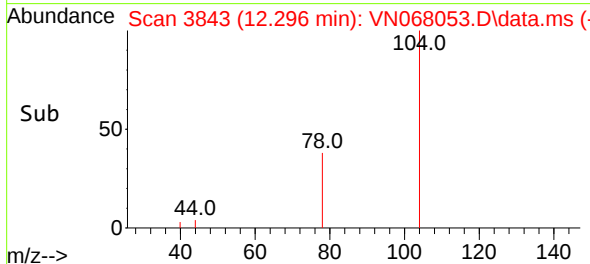


#70
Styrene
Concen: 2.66 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

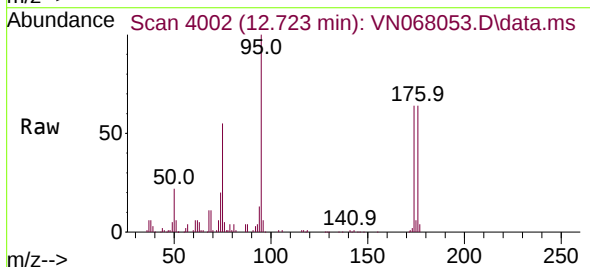
Instrument :
MSVOA_N
ClientSampled :



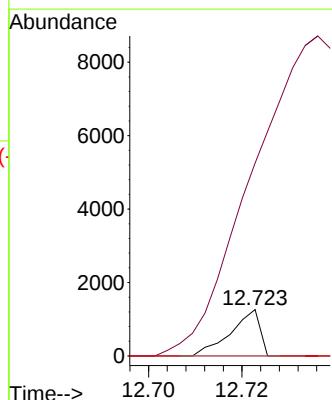
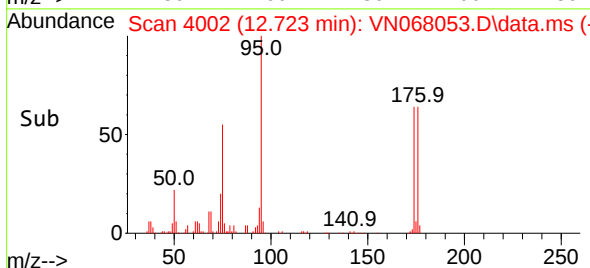
Tgt Ion:104 Resp: 541
Ion Ratio Lower Upper
104 100
78 26.4 48.2 72.2#
103 0.0 44.5 66.7#

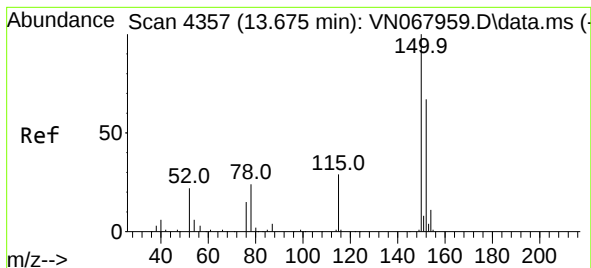


#71
Bromoform
Concen: 4.16 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23



Tgt Ion:173 Resp: 551
Ion Ratio Lower Upper
173 100
175 2504.0 23.9 71.8#
254 0.0 0.0 0.0

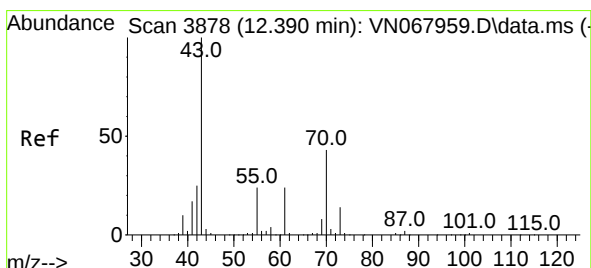
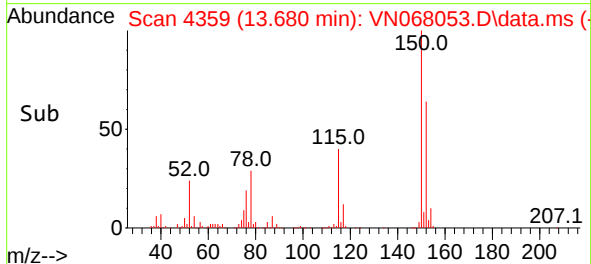
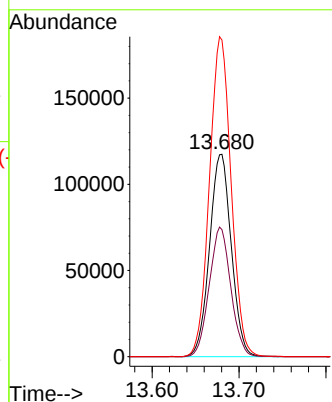
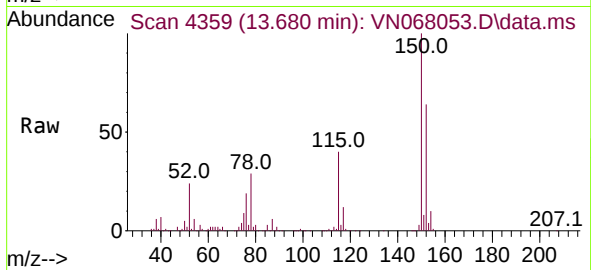




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.005 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

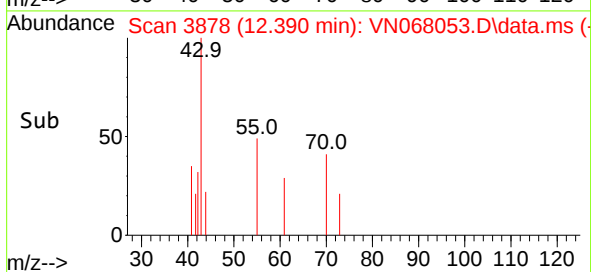
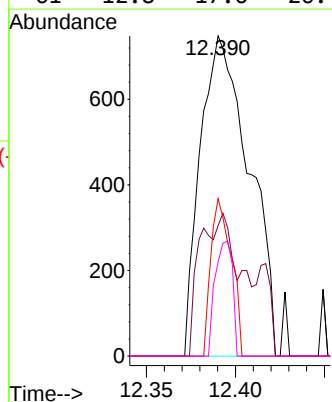
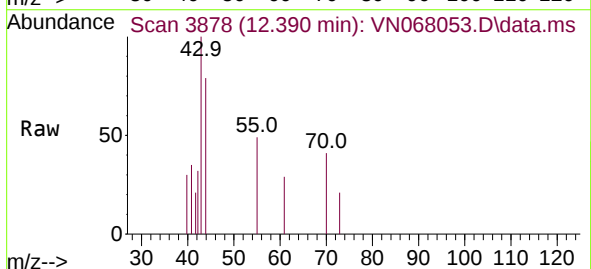
Instrument :
MSVOA_N
ClientSampleId :

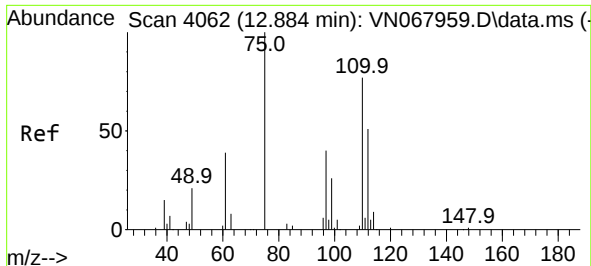
Tgt Ion:152 Resp: 203978
Ion Ratio Lower Upper
152 100
115 63.4 36.1 108.5
150 157.3 0.0 351.8



#74
N-ethyl acetate
Concen: 0.25 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Tgt Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
70 14.9 29.4 44.2#
55 20.6 17.0 25.4
61 12.8 17.6 26.4#

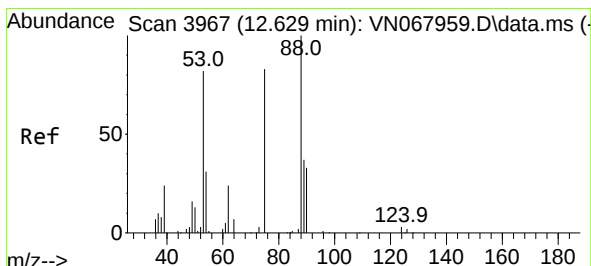
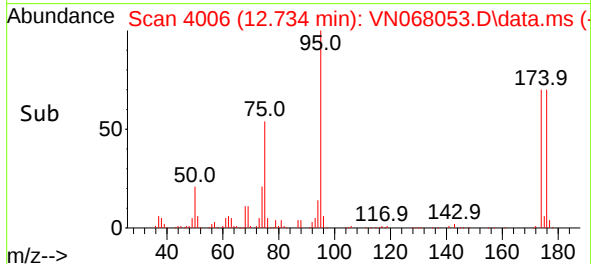
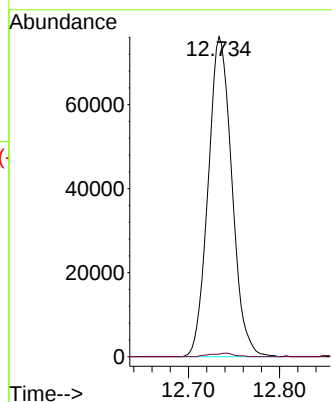
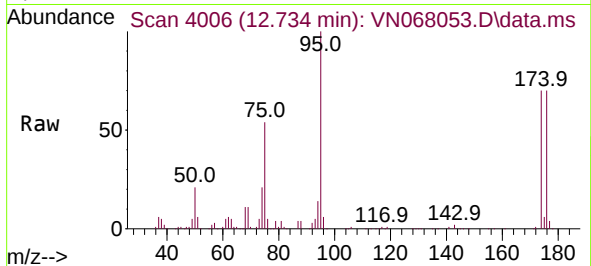




#76
1,2,3-Trichloropropane
Concen: 33.61 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

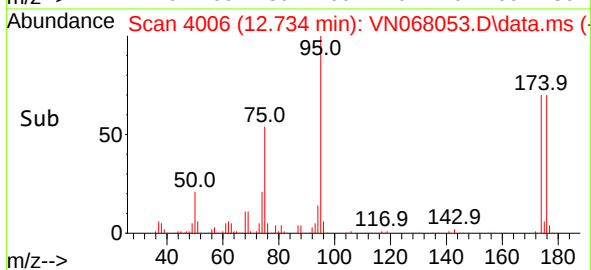
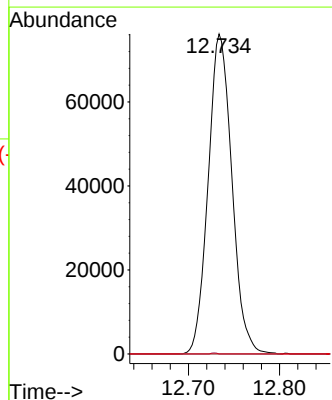
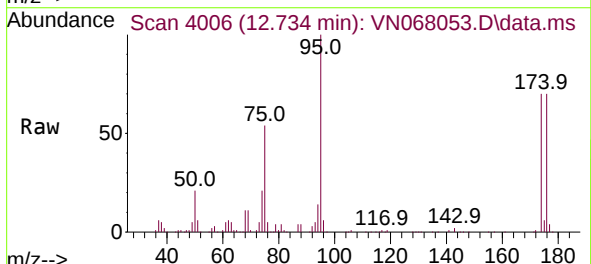
Instrument :
MSVOA_N
ClientSampled :

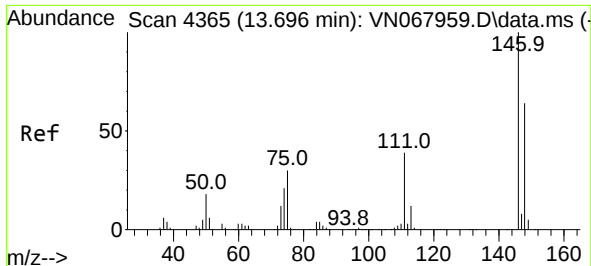
Tgt Ion: 75 Resp: 137701
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.15 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Tgt Ion: 75 Resp: 137701
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

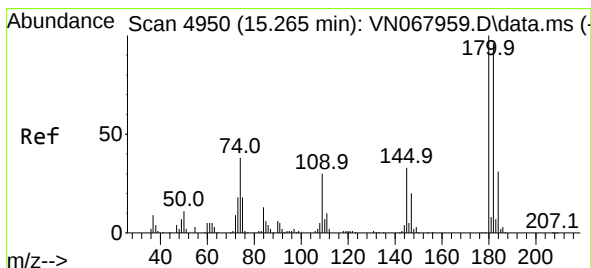
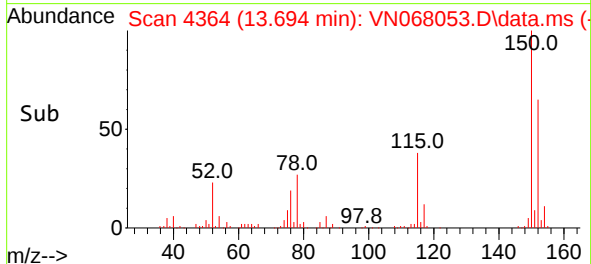
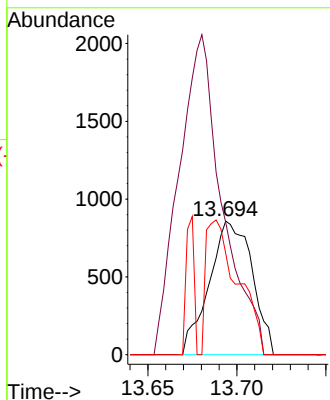
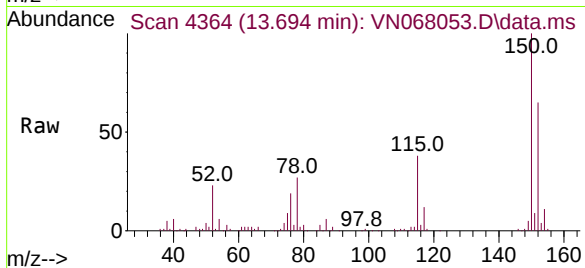




#88
1,4-Dichlorobenzene
Concen: 0.21 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.002 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

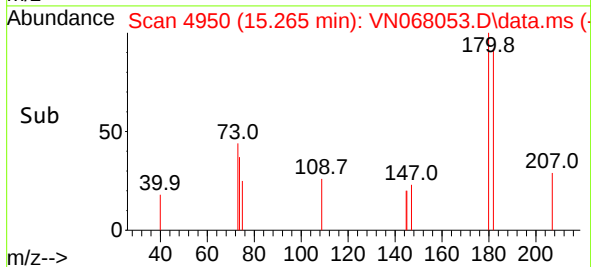
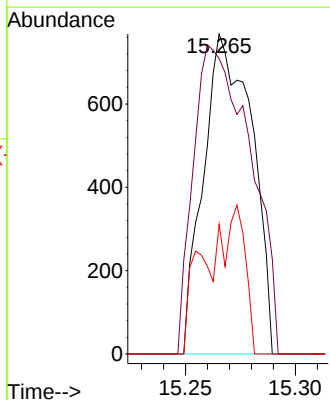
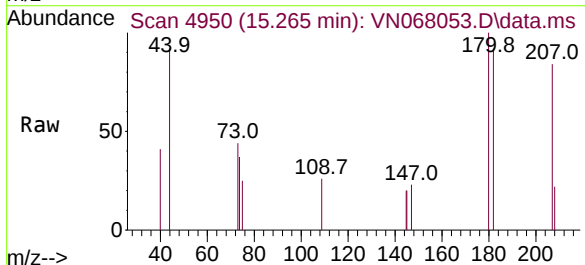
Instrument :
MSVOA_N
ClientSampled :

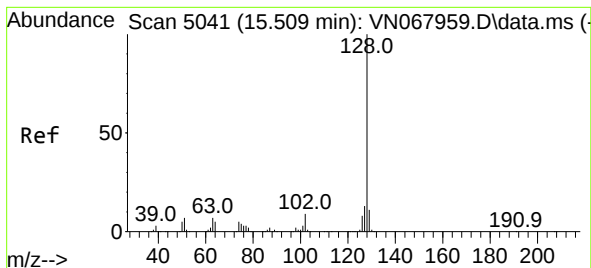
Tgt Ion:146 Resp: 1439
Ion Ratio Lower Upper
146 100
111 0.0 23.4 70.2#
148 74.8 31.8 95.3



#93
1,2,4-Trichlorobenzene
Concen: 2.84 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Tgt Ion:180 Resp: 1172
Ion Ratio Lower Upper
180 100
182 113.9 47.5 142.5
145 14.8 17.2 51.6#

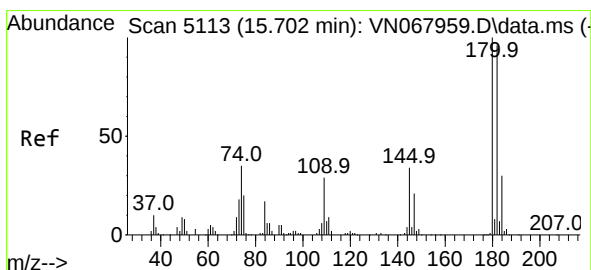
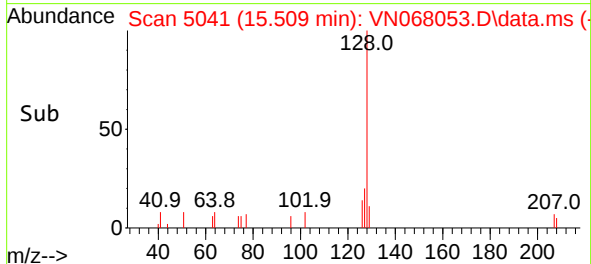
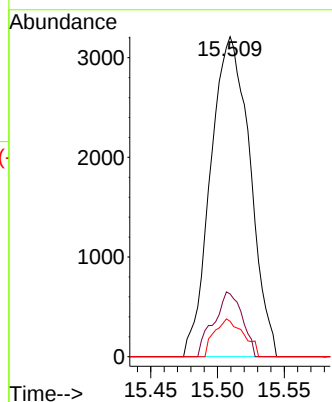
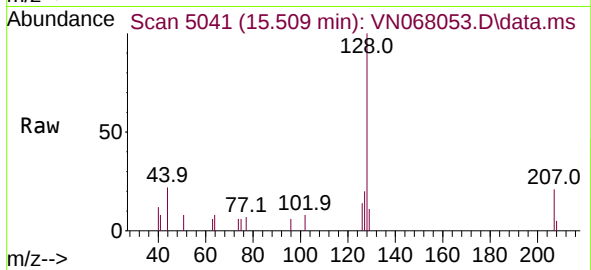




#95
Naphthalene
Concen: 3.84 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	6571
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.6	15.8
129	8.8	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.88 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068053.D
Acq: 10 Aug 2021 11:23

Tgt Ion:	180	Resp:	1514
Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.8	143.3
145	31.8	18.2	54.6

