

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068098.D
 Acq On : 12 Aug 2021 18:43
 Operator : JC/MD
 Sample : M3361-12 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 05:45:58 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)

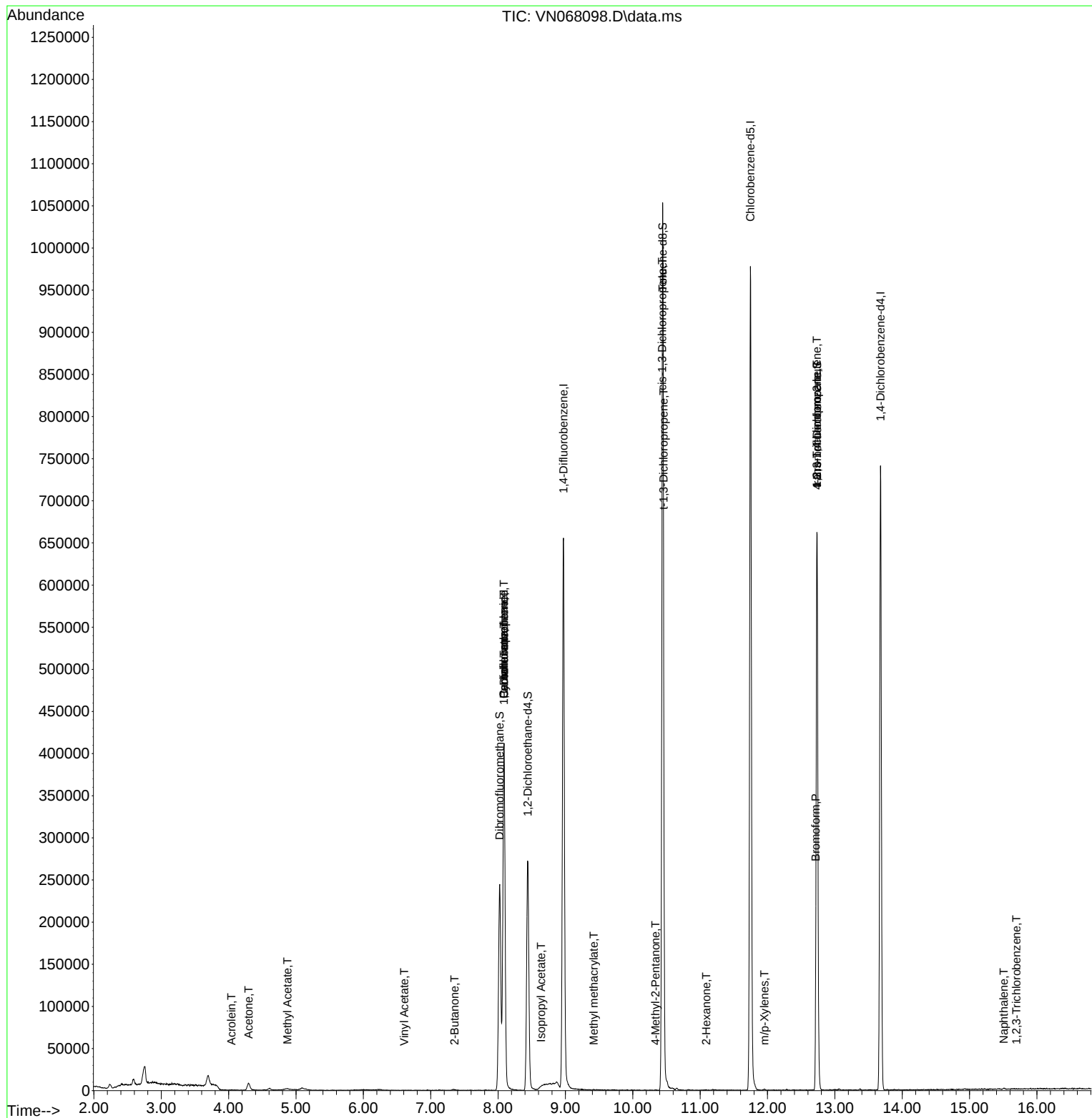
Internal Standards						
1) Pentafluorobenzene	8.088	168	297519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	576205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	570423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	192986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	231347	54.927	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.860%			
35) Dibromofluoromethane	8.024	113	179743	53.526	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.060%			
50) Toluene-d8	10.443	98	735628	47.663	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.320%			
62) 4-Bromofluorobenzene	12.736	95	242541	43.478	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.960%			
Target Compounds					Qvalue	
13) Acrolein	4.041	56	93	0.243	ug/l #	1
16) Acetone	4.296	43	15464	10.062	ug/l	91
18) Methyl Acetate	4.873	43	2034	0.449	ug/l #	68
20) Methylene Chloride	5.087	84	213	Below Cal	#	46
23) Vinyl Acetate	6.608	43	35	8.804	ug/l #	75
25) 2-Butanone	7.354	43	1020	0.457	ug/l #	51
31) Cyclohexane	8.088	56	7897	1.271	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	26132	4.903	ug/l #	51
38) Carbon Tetrachloride	8.088	117	32117	6.127	ug/l #	18
43) Isopropyl Acetate	8.638	43	2933	0.351	ug/l #	58
48) Methyl methacrylate	9.421	41	87	2.325	ug/l #	12
51) 4-Methyl-2-Pentanone	10.339	43	342	12.620	ug/l #	39
53) t-1,3-Dichloropropene	10.457	75	25	2.837	ug/l #	64
54) cis-1,3-Dichloropropene	10.435	75	53	2.362	ug/l #	1
59) 2-Hexanone	11.090	43	472	13.391	ug/l #	28
68) m/p-Xylenes	11.956	106	456	4.111	ug/l #	50
71) Bromoform	12.718	173	156	4.070	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	129754	33.479	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	129754	89.798	ug/l #	6
95) Naphthalene	15.507	128	1262	3.267	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.695	180	52	2.385	ug/l #	12

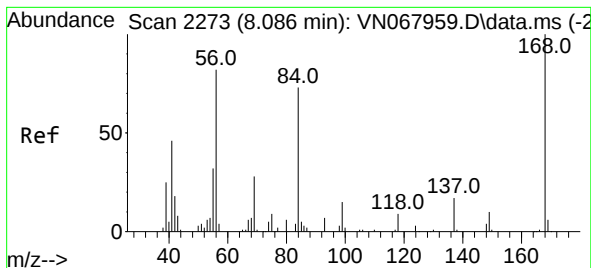
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

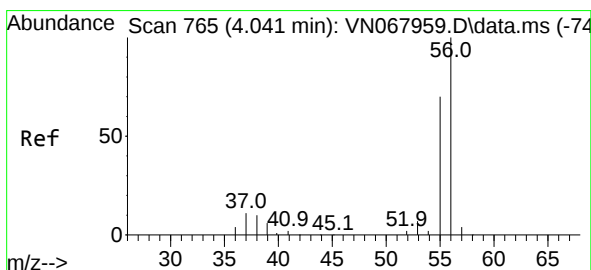
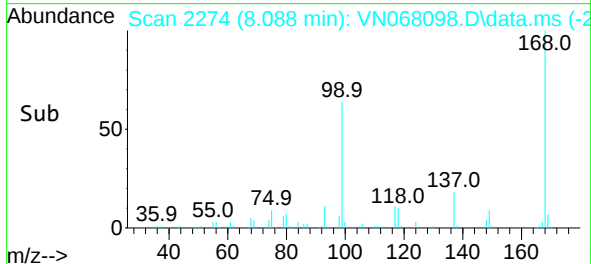
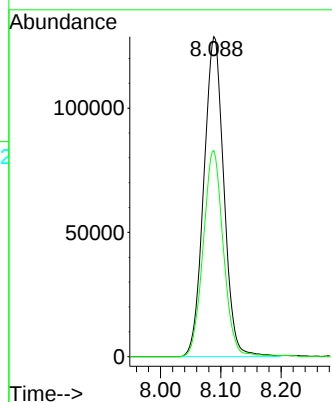
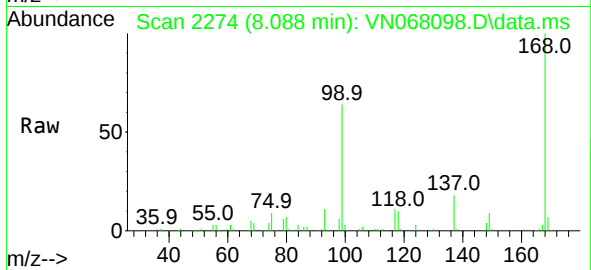




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

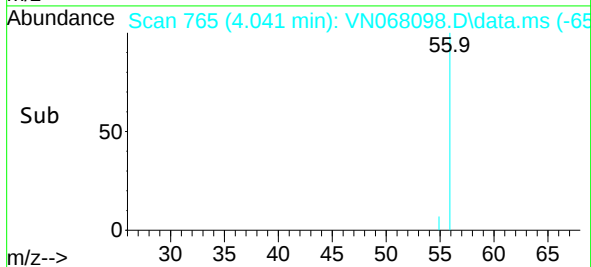
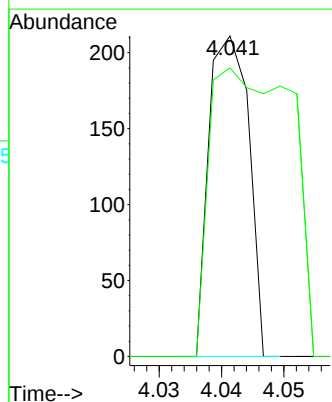
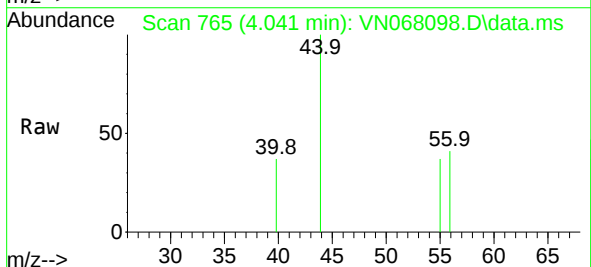
Instrument :
MSVOA_N
ClientSampled :

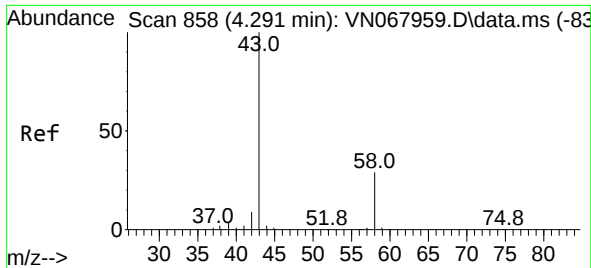
Tgt Ion:168 Resp: 297519
Ion Ratio Lower Upper
168 100
99 64.4 62.9 94.3



#13
Acrolein
Concen: 0.243 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 186.0 57.4 86.0#

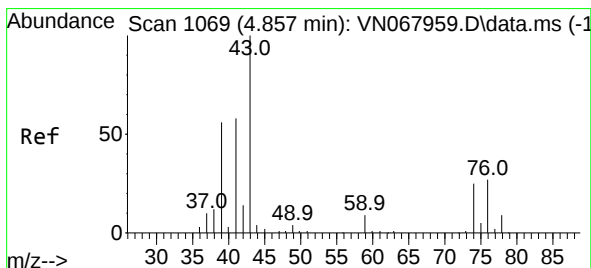
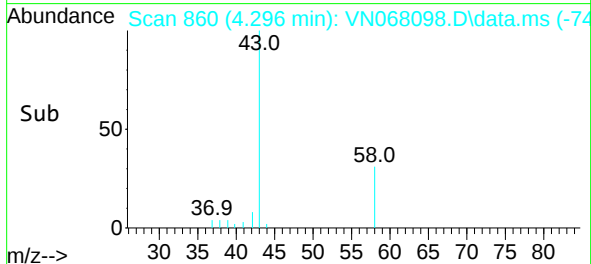
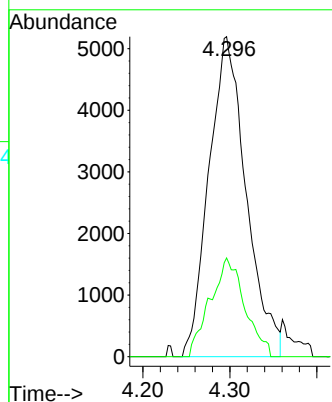
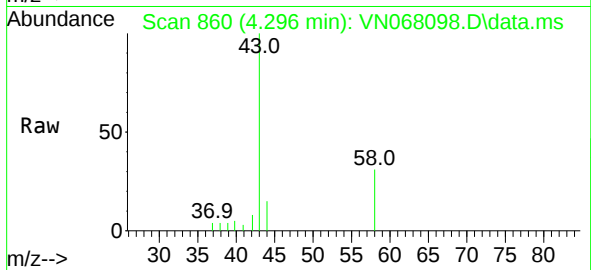




#16
Acetone
Concen: 10.062 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

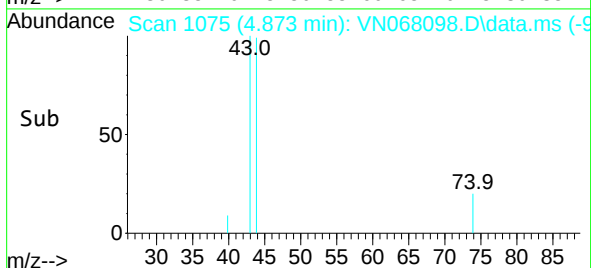
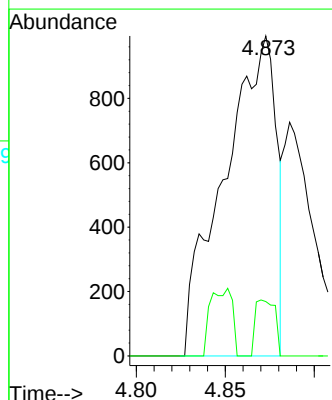
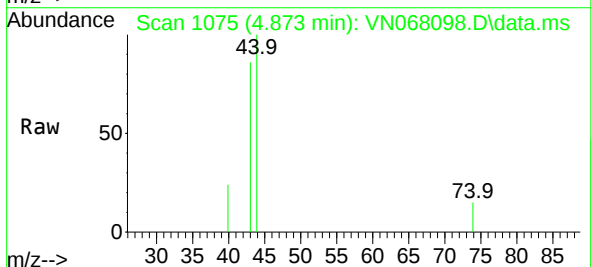
Instrument :
MSVOA_N
ClientSampled :

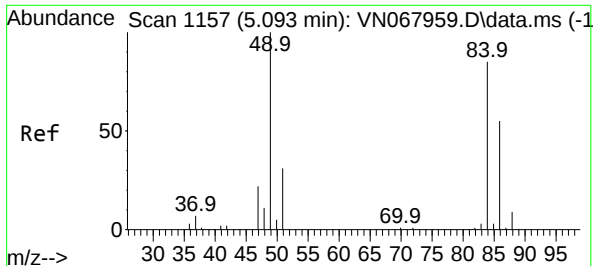
Tgt Ion: 43 Resp: 15464
Ion Ratio Lower Upper
43 100
58 30.9 21.2 31.8



#18
Methyl Acetate
Concen: 0.449 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.016 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

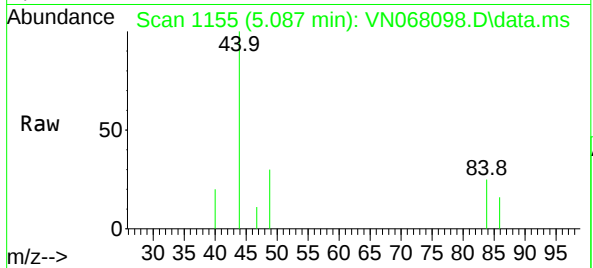
Tgt Ion: 43 Resp: 2034
Ion Ratio Lower Upper
43 100
74 6.5 17.4 26.0#



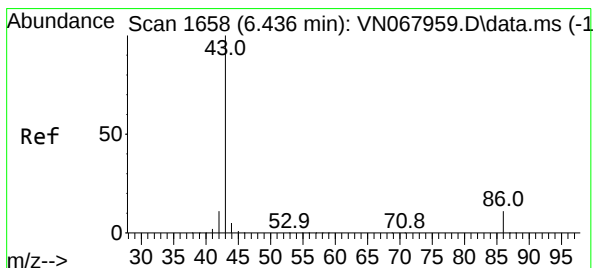
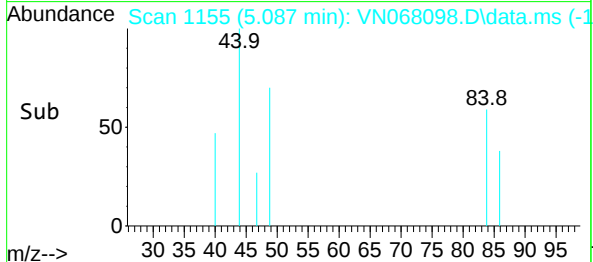
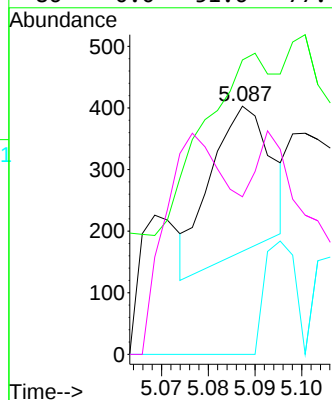


#20
Methylene Chloride
Concen: Below Cal
RT: 5.087 min Scan# 1155
Delta R.T. -0.006 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Instrument :
MSVOA_N
ClientSampled :

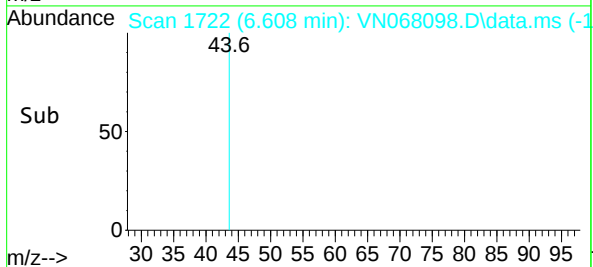
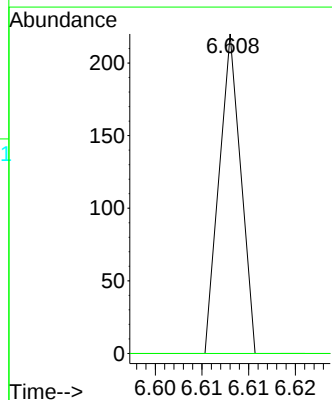
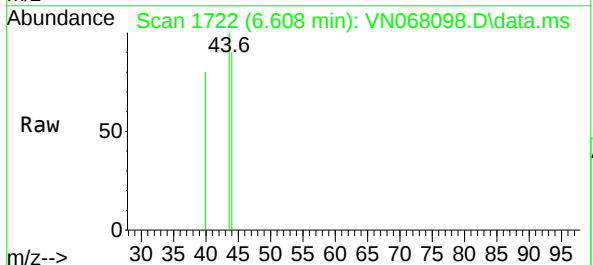


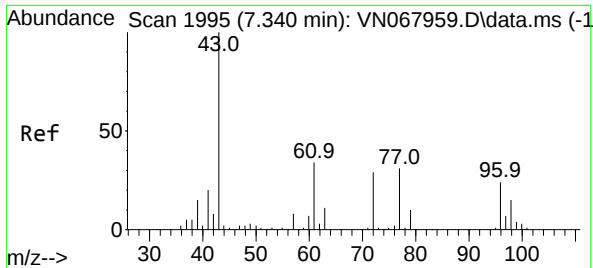
Tgt Ion:	84	Resp:	213
Ion	Ratio	Lower	Upper
84	100		
49	92.8	110.9	166.3#
51	0.0	32.6	49.0#
86	0.0	51.6	77.4#



#23
Vinyl Acetate
Concen: 8.804 ug/l
RT: 6.608 min Scan# 1722
Delta R.T. 0.172 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Tgt Ion:	43	Resp:	35
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.3	10.9#

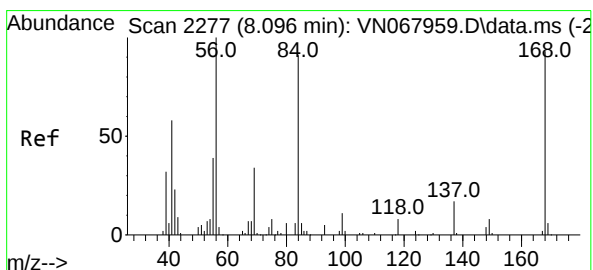
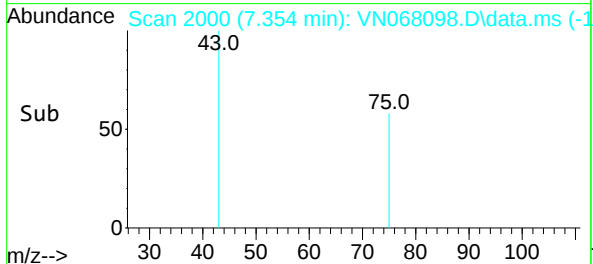
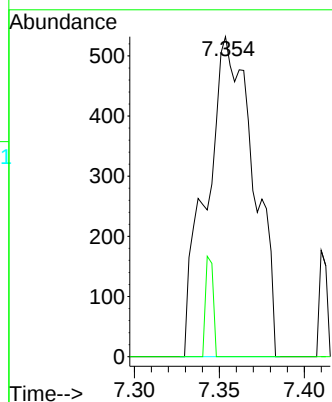
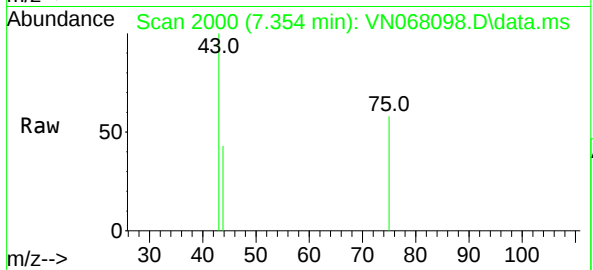




#25
2-Butanone
Concen: 0.457 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.014 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

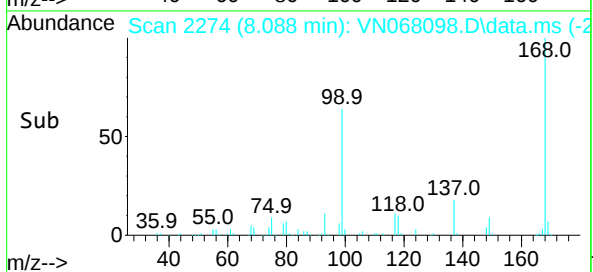
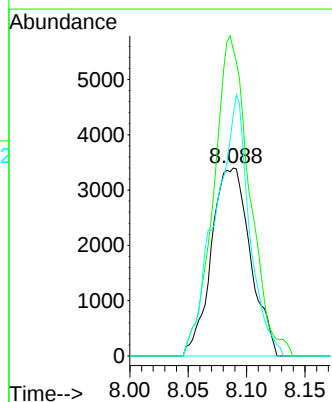
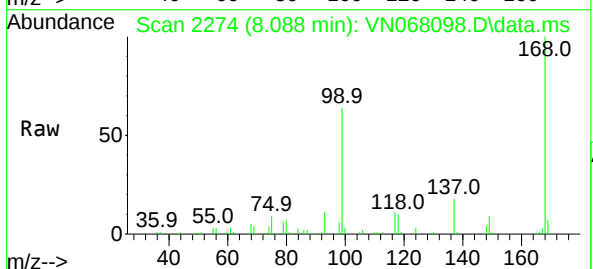
Instrument :
MSVOA_N
ClientSampled :

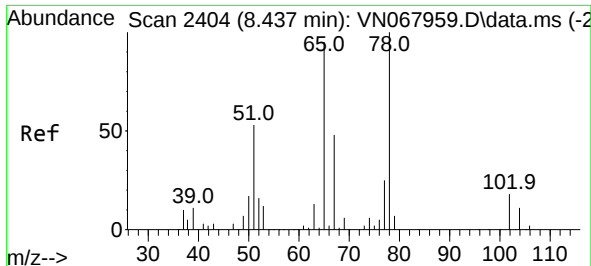
Tgt Ion: 43 Resp: 1020
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#31
Cyclohexane
Concen: 1.271 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Tgt Ion: 56 Resp: 7897
Ion Ratio Lower Upper
56 100
69 163.4 27.3 40.9#
84 127.9 64.9 97.3#



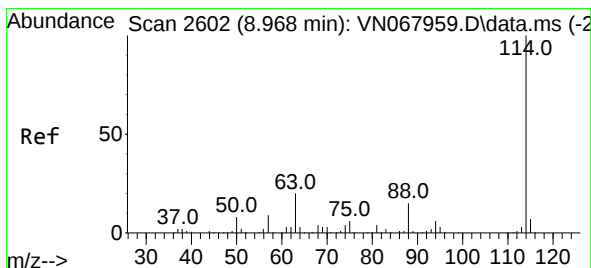
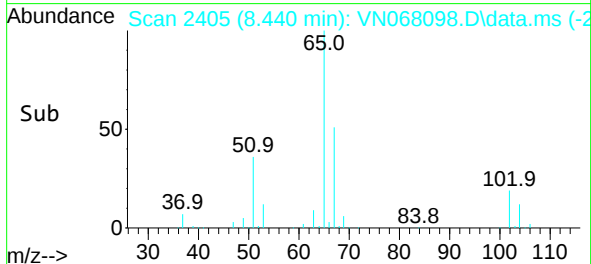
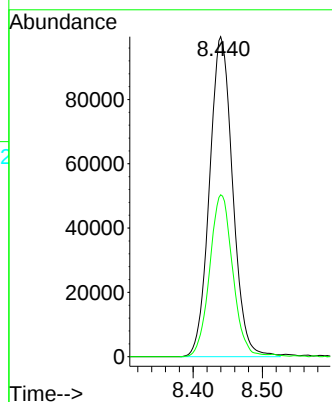
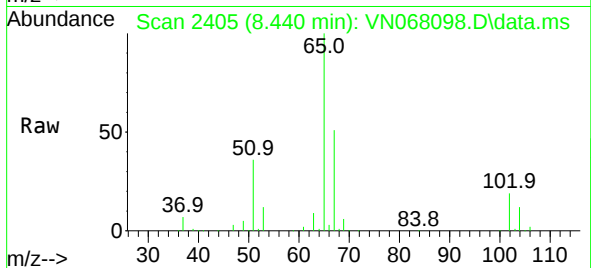


#33

1,2-Dichloroethane-d4
Concen: 54.927 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Instrument :
MSVOA_N
ClientSampled :

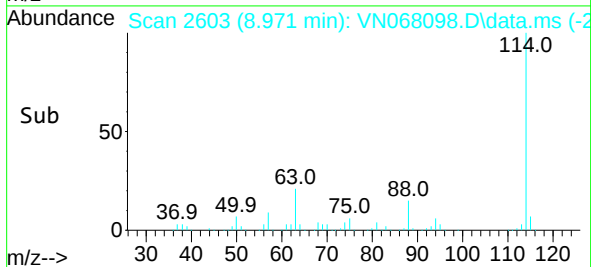
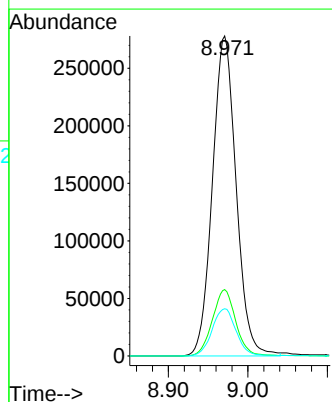
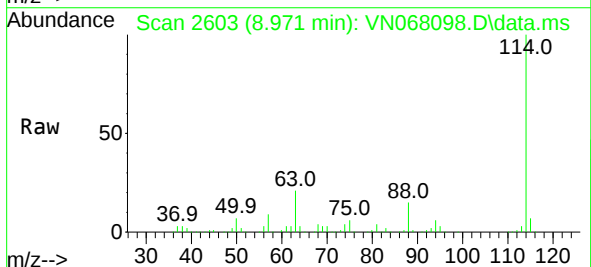
Tgt Ion: 65 Resp: 231347
Ion Ratio Lower Upper
65 100
67 50.3 0.0 98.6

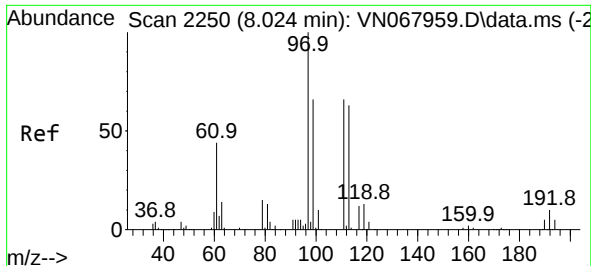


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Tgt Ion: 114 Resp: 576205
Ion Ratio Lower Upper
114 100
63 20.7 0.0 49.0
88 14.8 0.0 36.6

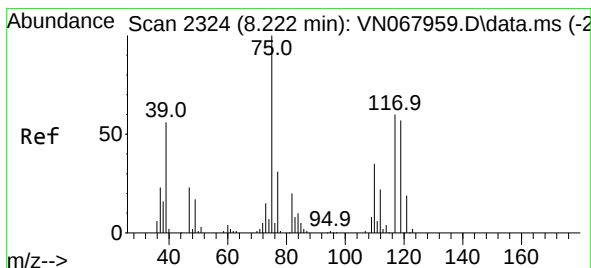
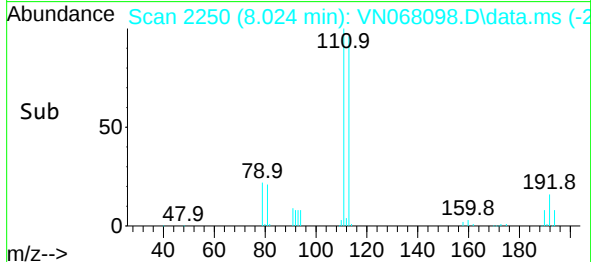
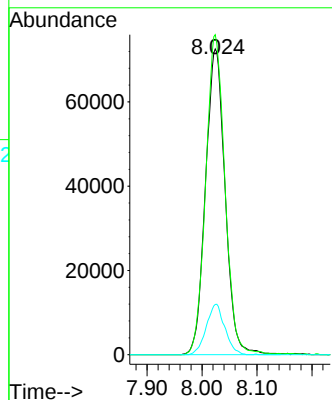
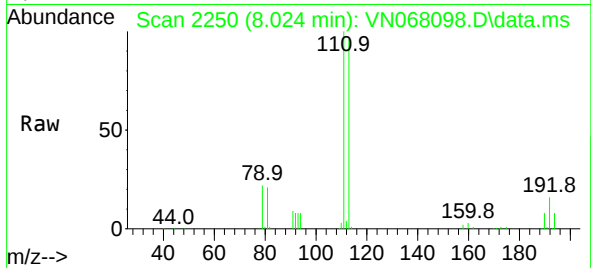




#35
Dibromofluoromethane
Concen: 53.526 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

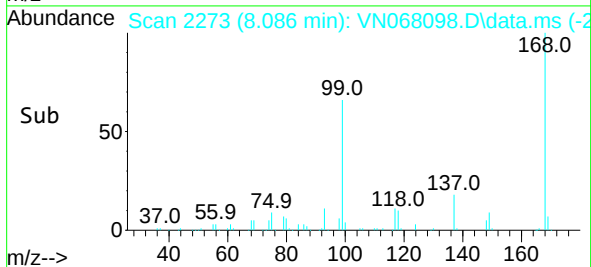
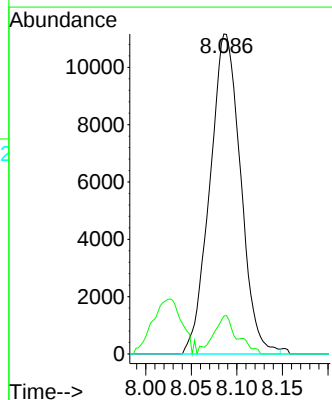
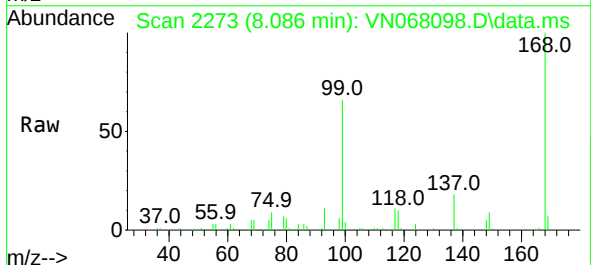
Instrument :
MSVOA_N
ClientSampled :

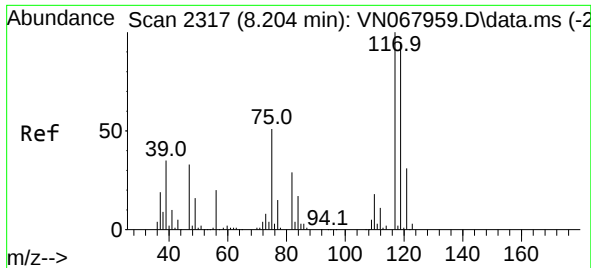
Tgt Ion:113 Resp: 179743
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.8
192 15.7 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.903 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

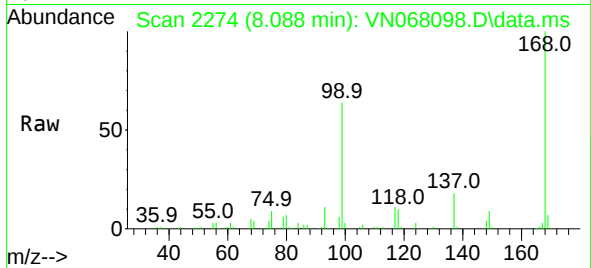
Tgt Ion: 75 Resp: 26132
Ion Ratio Lower Upper
75 100
110 7.6 15.7 47.0#
77 0.0 24.6 37.0#



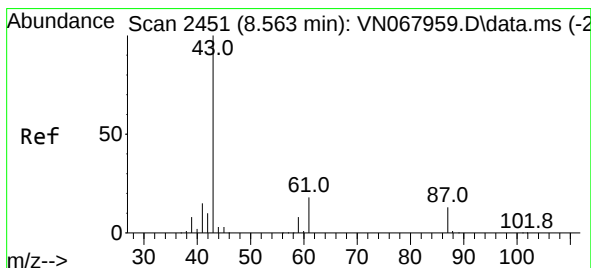
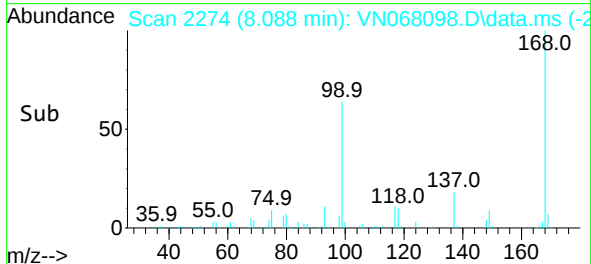
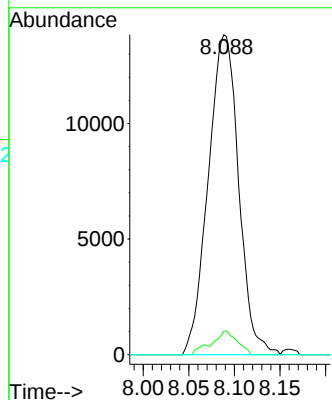


#38
Carbon Tetrachloride
Concen: 6.127 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Instrument :
MSVOA_N
ClientSampled :

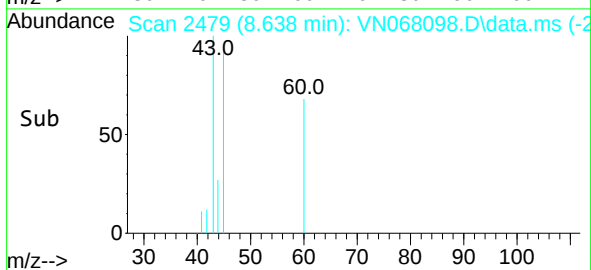
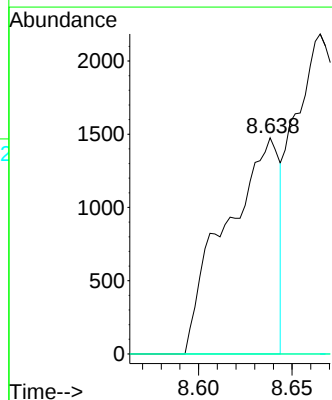
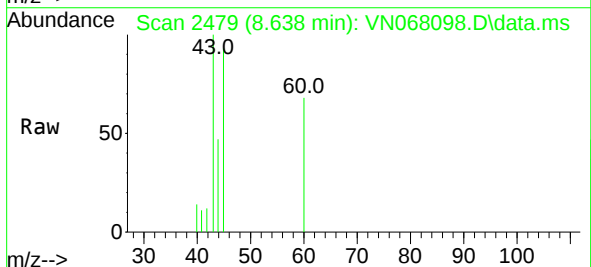


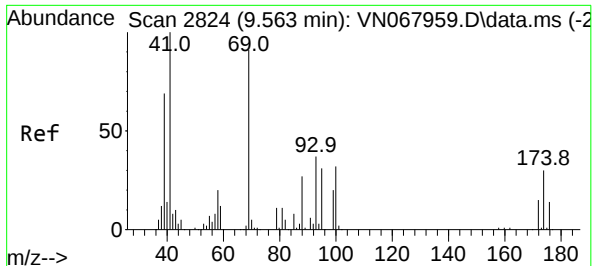
Tgt Ion:117 Resp: 32117
Ion Ratio Lower Upper
117 100
119 7.3 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.351 ug/l
RT: 8.638 min Scan# 2479
Delta R.T. 0.075 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

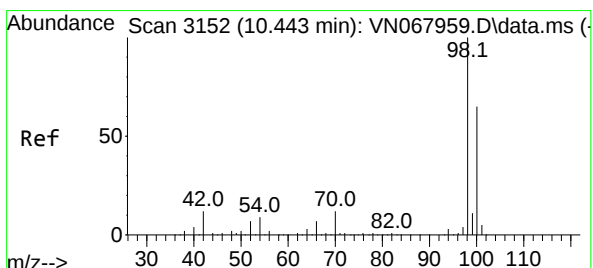
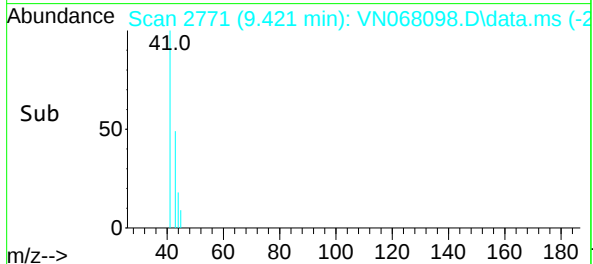
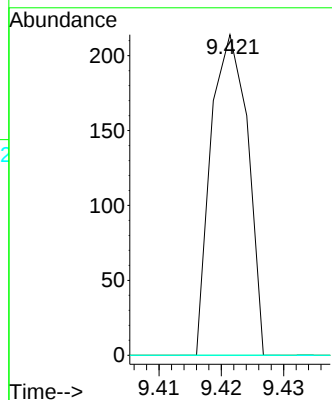
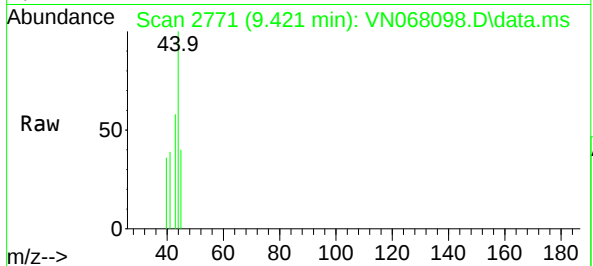




#48
Methyl methacrylate
Concen: 2.325 ug/l
RT: 9.421 min Scan# 2771
Delta R.T. -0.142 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

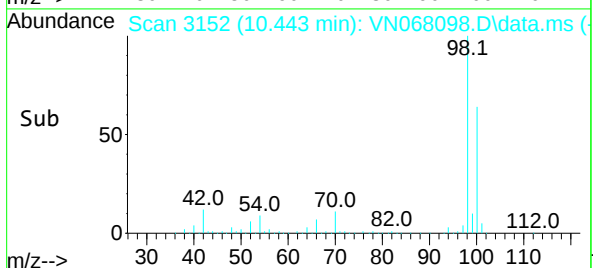
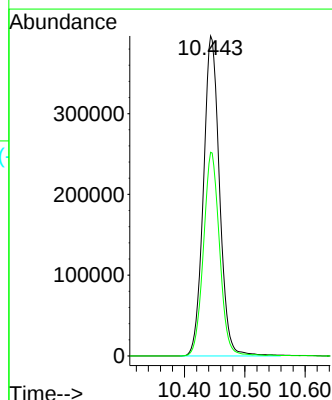
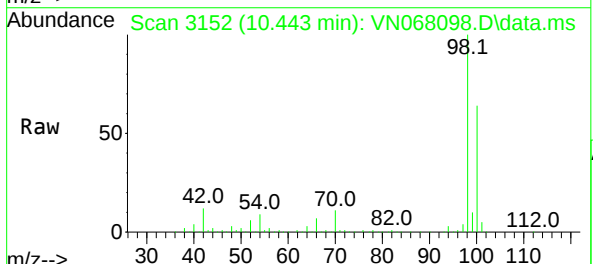
Instrument :
MSVOA_N
ClientSampled :

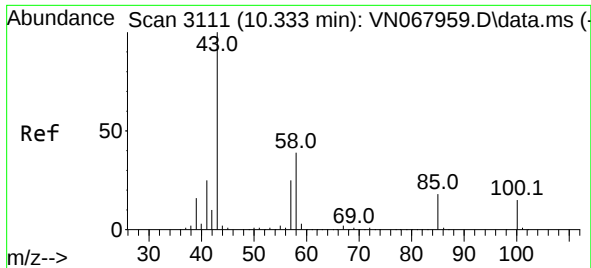
Tgt Ion: 41 Resp: 87
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 47.663 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Tgt Ion: 98 Resp: 735628
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5

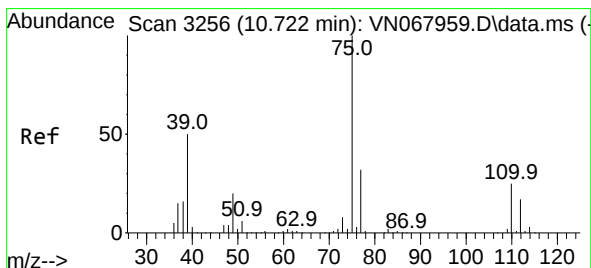
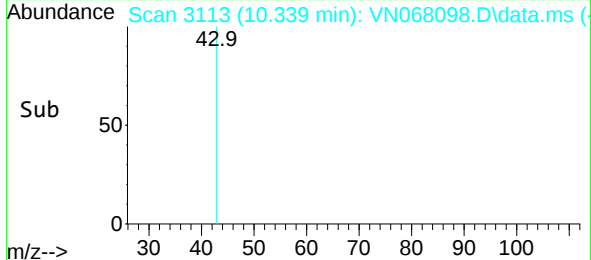
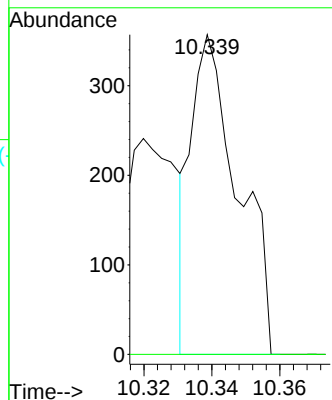
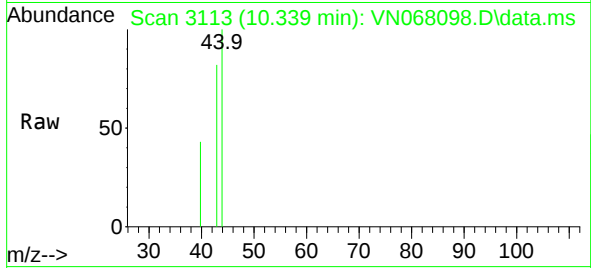




#51
4-Methyl-2-Pentanone
Concen: 12.620 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

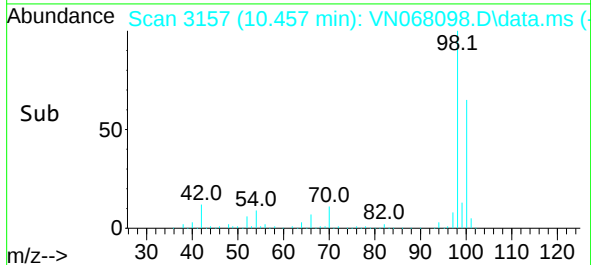
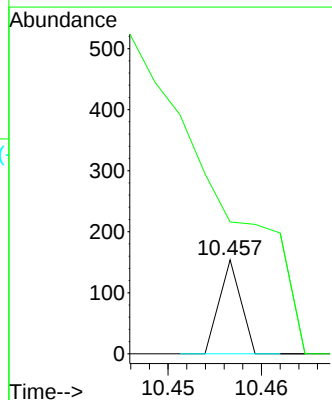
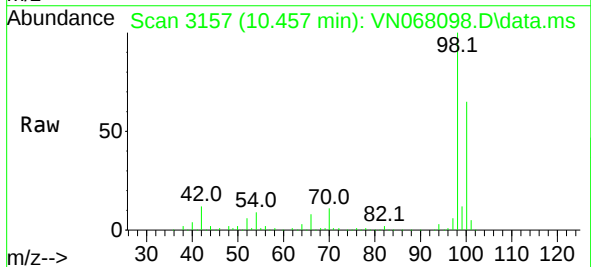
Instrument :
MSVOA_N
ClientSampled :

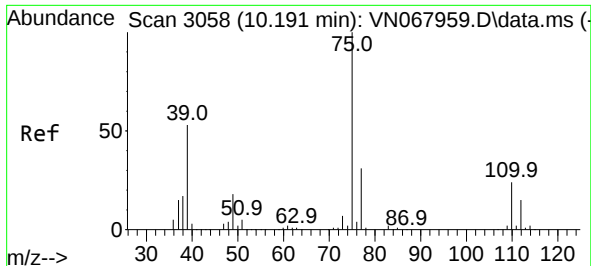
Tgt Ion: 43 Resp: 342
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.837 ug/l
RT: 10.457 min Scan# 3157
Delta R.T. -0.265 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 11.7 25.1 37.7#

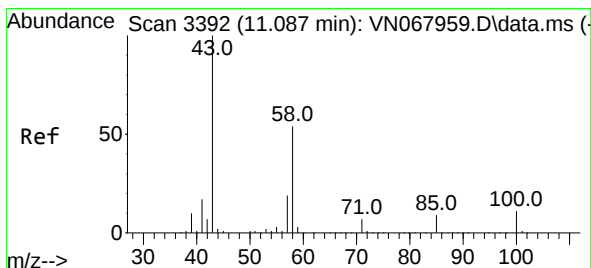
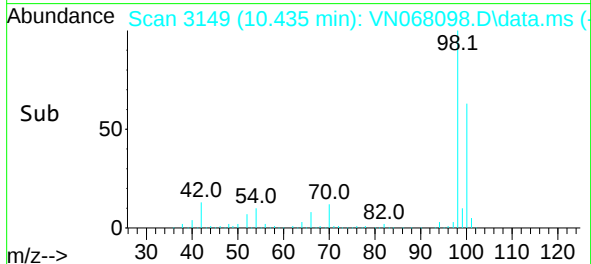
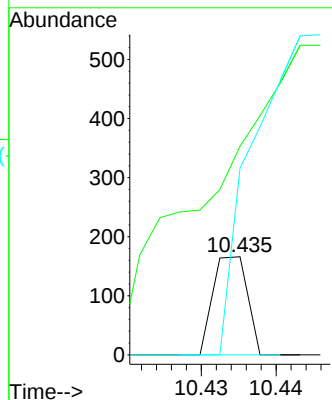
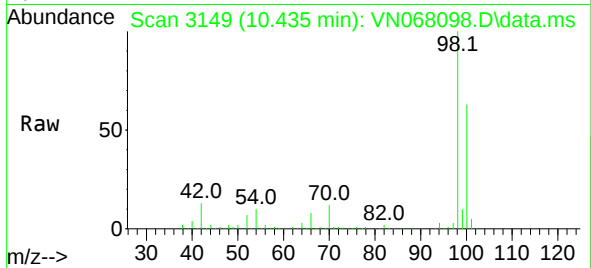




#54
cis-1,3-Dichloropropene
Concen: 2.362 ug/l
RT: 10.435 min Scan# 3149
Delta R.T. 0.244 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

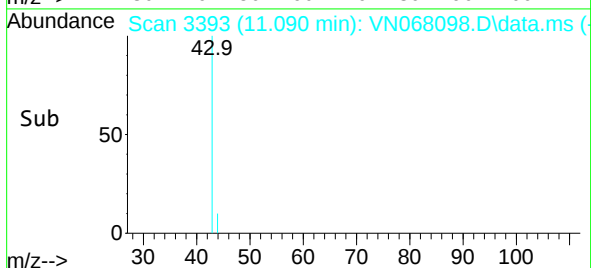
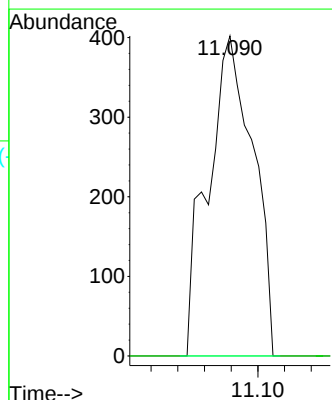
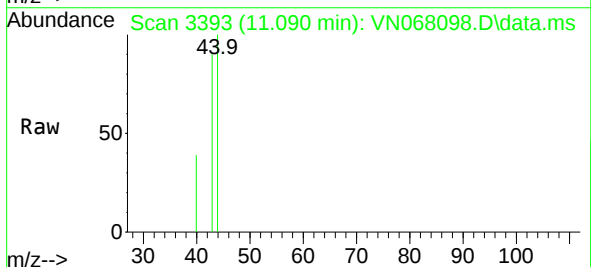
Instrument :
MSVOA_N
ClientSampled :

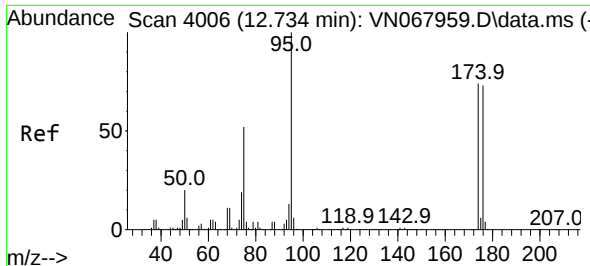
Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 66.9 24.6 37.0#
39 190.4 50.7 76.1#



#59
2-Hexanone
Concen: 13.391 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

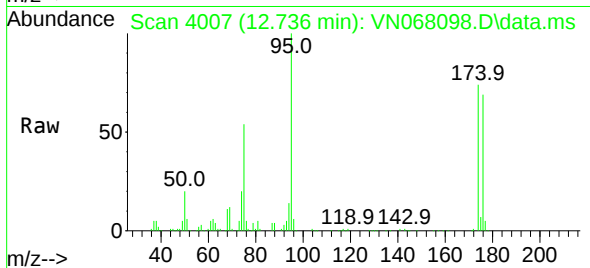
Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



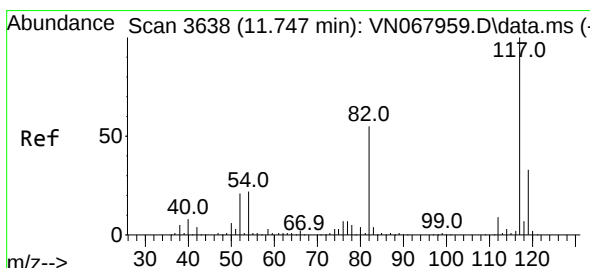
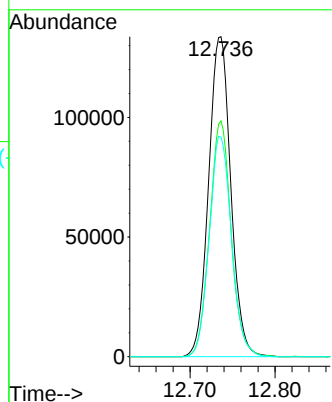
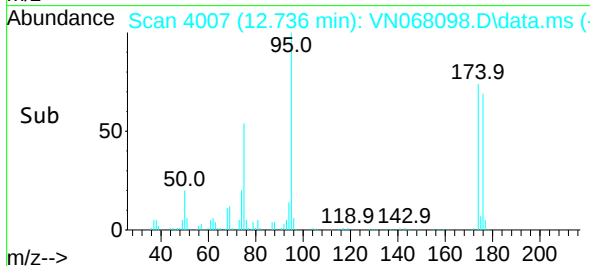


#62
4-Bromofluorobenzene
Concen: 43.478 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

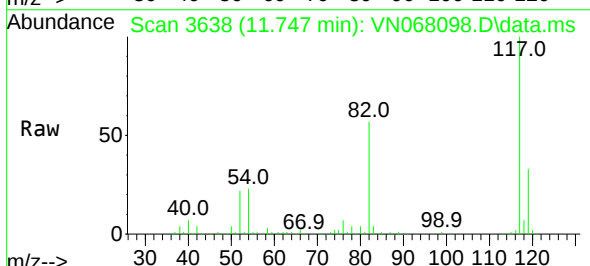
Instrument :
MSVOA_N
ClientSampled :



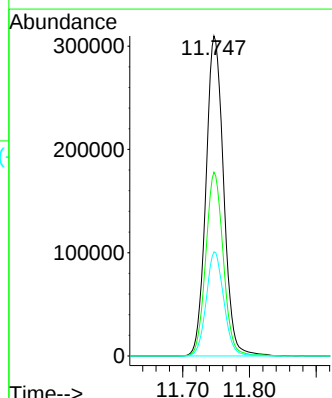
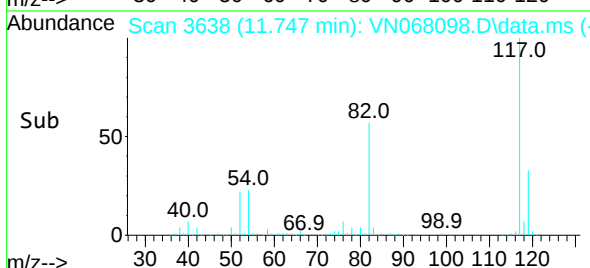
Tgt Ion: 95 Resp: 242541
Ion Ratio Lower Upper
95 100
174 71.7 0.0 122.0
176 69.1 0.0 117.6

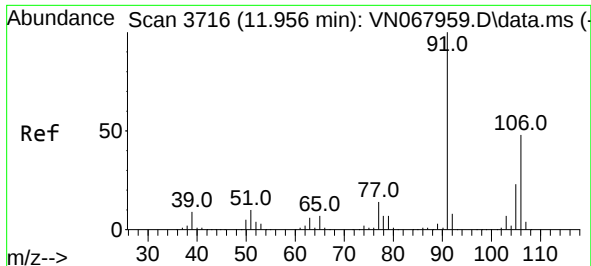


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43



Tgt Ion: 117 Resp: 570423
Ion Ratio Lower Upper
117 100
82 57.5 53.1 79.7
119 32.5 25.5 38.3

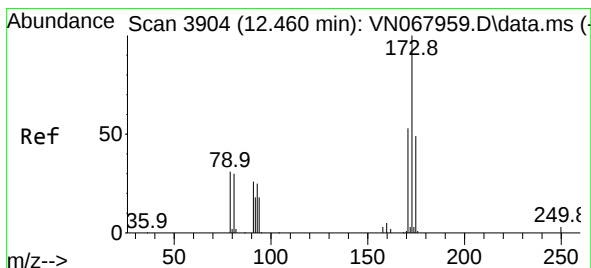
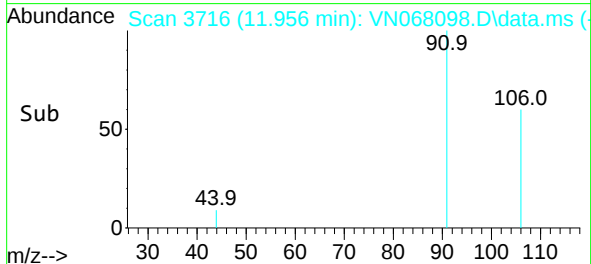
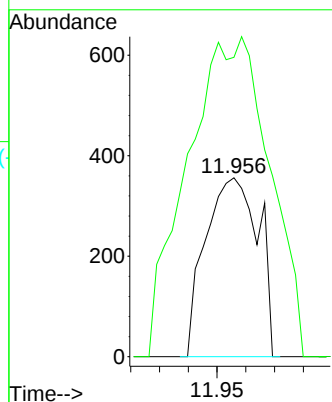
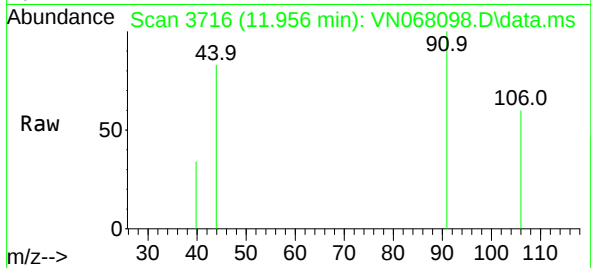




#68
m/p-Xylenes
Concen: 4.111 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

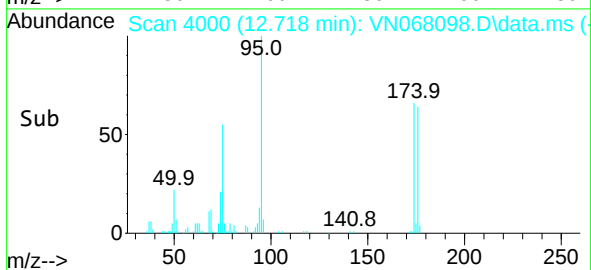
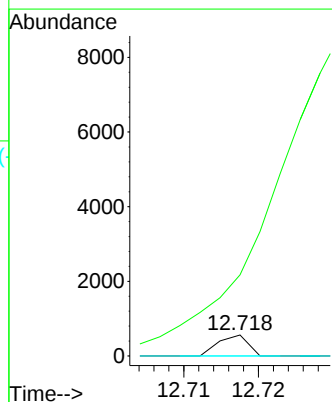
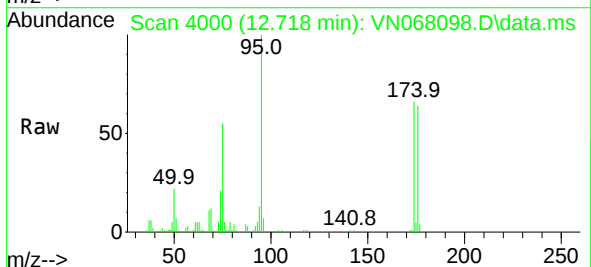
Instrument :
MSVOA_N
ClientSampled :

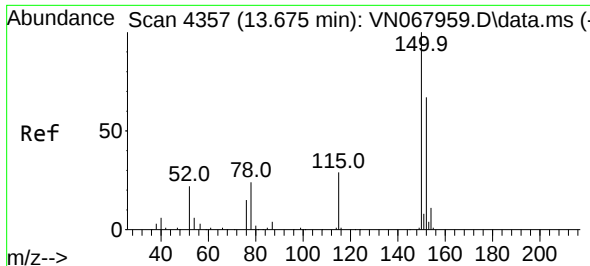
Tgt Ion:106 Resp: 456
Ion Ratio Lower Upper
106 100
91 144.5 180.6 270.8#



#71
Bromoform
Concen: 4.070 ug/l
RT: 12.718 min Scan# 4000
Delta R.T. 0.258 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Tgt Ion:173 Resp: 156
Ion Ratio Lower Upper
173 100
175 8784.0 23.9 71.8#
254 0.0 0.0 0.0

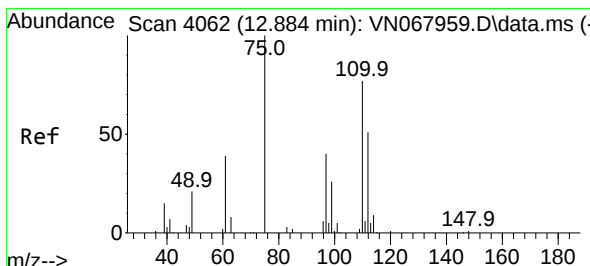
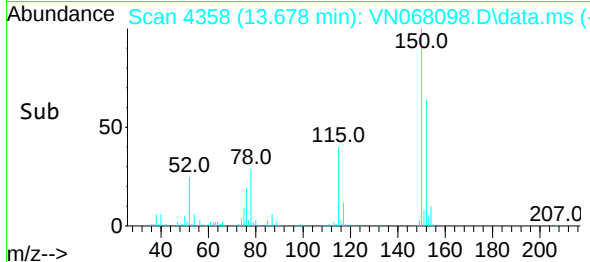
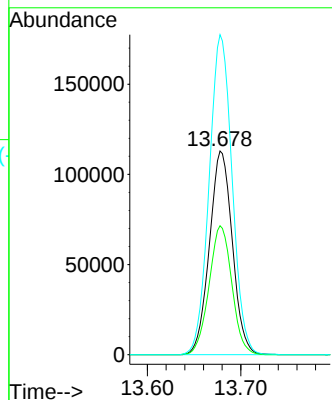
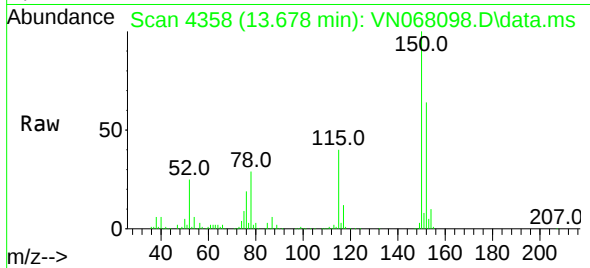




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

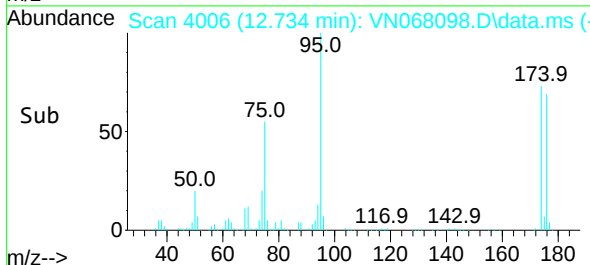
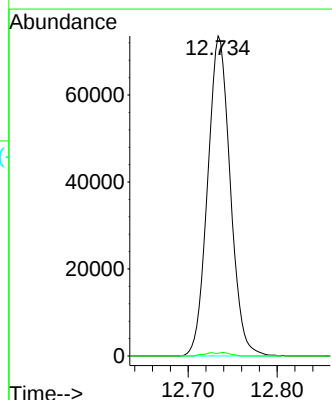
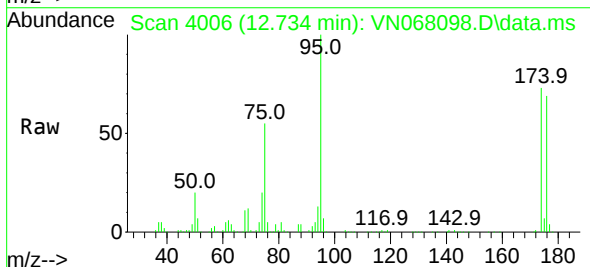
Instrument :
MSVOA_N
ClientSampled :

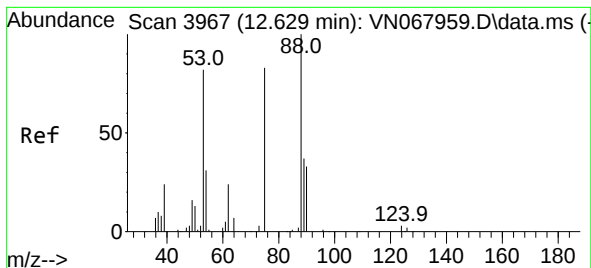
Tgt Ion:152 Resp: 192986
Ion Ratio Lower Upper
152 100
115 62.9 36.1 108.5
150 157.3 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 33.479 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

Tgt Ion: 75 Resp: 129754
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#

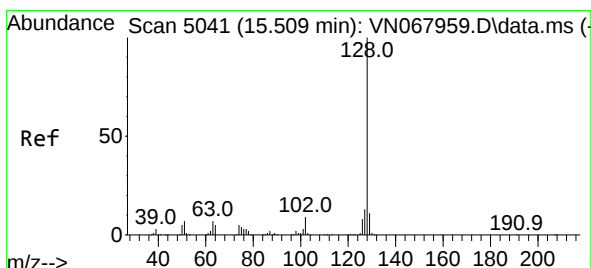
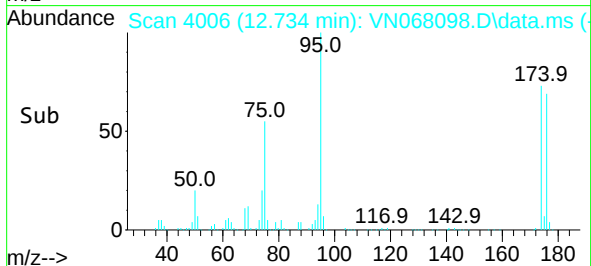
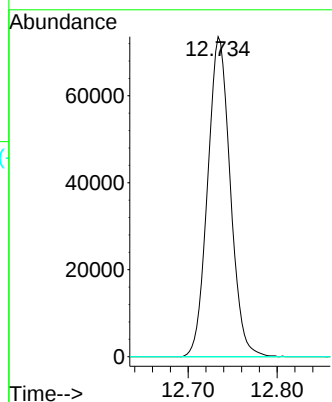
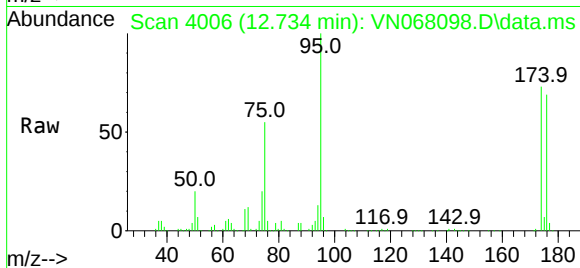




#81
trans-1,4-Dichloro-2-butene
Concen: 89.798 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

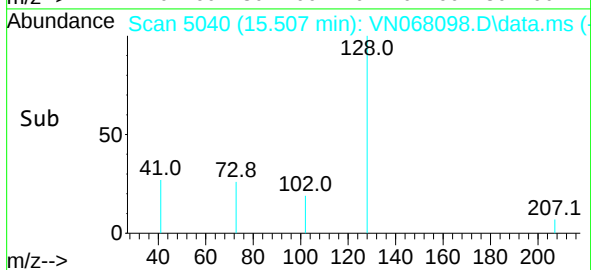
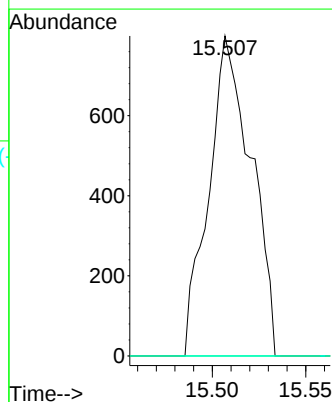
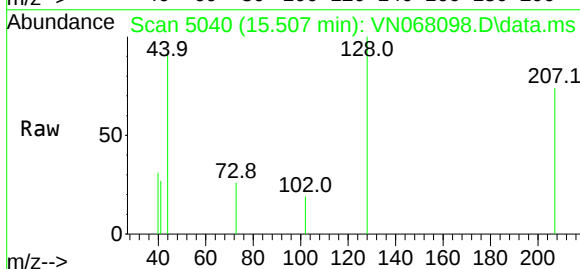
Instrument :
MSVOA_N
ClientSampled :

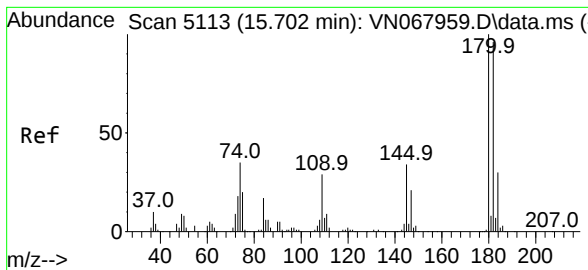
Tgt Ion: 75 Resp: 129754
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.267 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068098.D
Acq: 12 Aug 2021 18:43

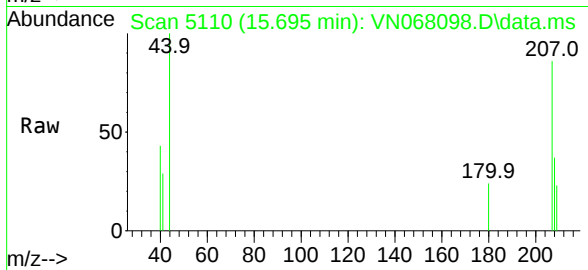
Tgt Ion:128 Resp: 1262
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.385 ug/l
 RT: 15.695 min Scan# 5110
 Delta R.T. -0.007 min
 Lab File: VN068098.D
 Acq: 12 Aug 2021 18:43

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 52
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 0.0 18.2 54.6#

