

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102721\
 Data File : VN069217.D
 Acq On : 27 Oct 2021 14:41
 Operator : JC/MD
 Sample : M4337-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 28 05:21:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

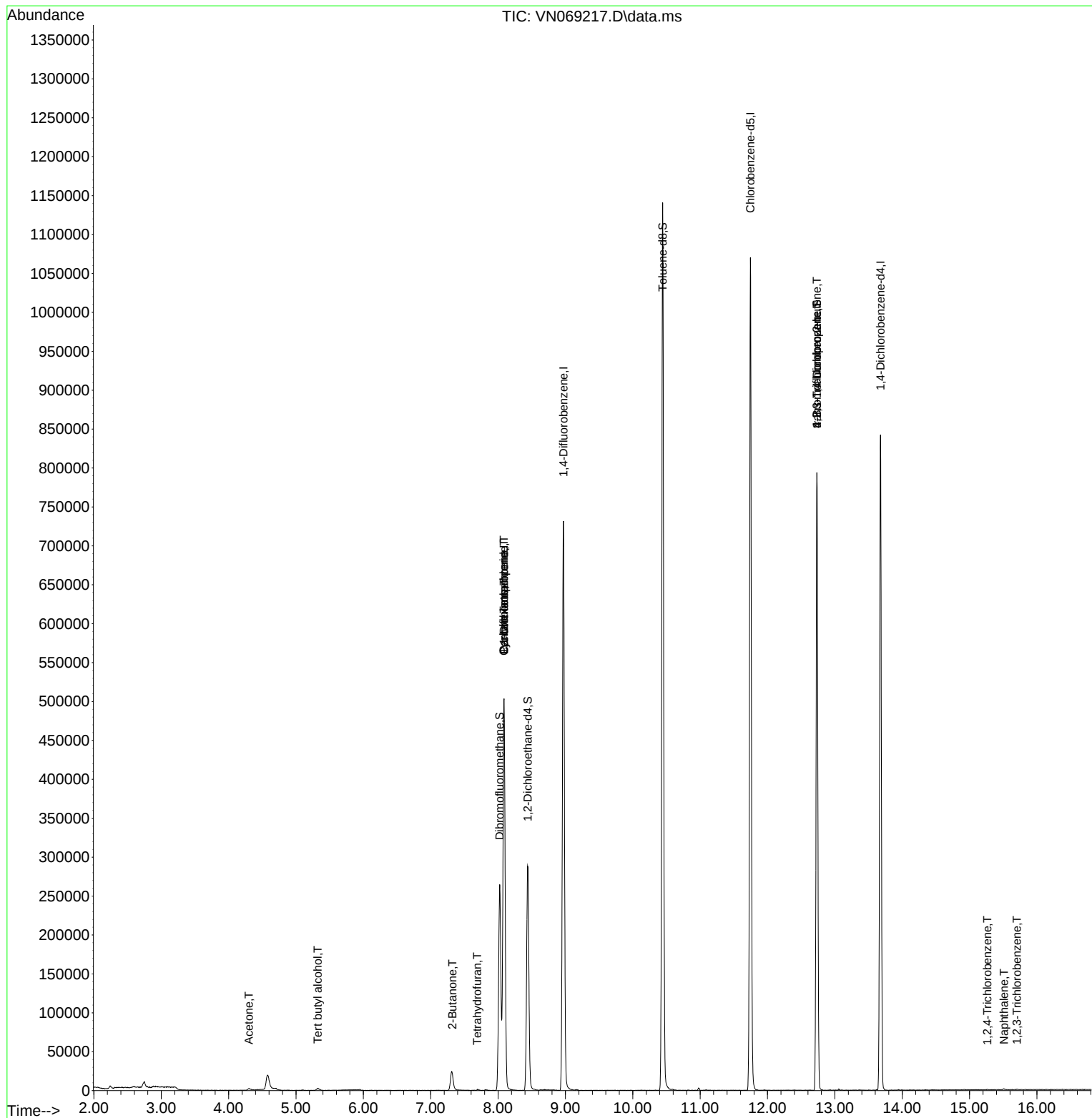
Internal Standards						
1) Pentafluorobenzene	8.088	168	377598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	657542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	628907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	223768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	249964	50.209	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 100.420%		
35) Dibromofluoromethane	8.024	113	193572	50.599	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.200%		
50) Toluene-d8	10.443	98	817087	53.380	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 106.760%		
62) 4-Bromofluorobenzene	12.734	95	288216	49.906	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 99.820%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.321	59	1560	1.715	ug/l #	72
16) Acetone	4.299	43	3954	2.128	ug/l	96
25) 2-Butanone	7.321	43	733	0.261	ug/l #	48
29) Tetrahydrofuran	7.691	42	468	0.257	ug/l #	65
31) Cyclohexane	8.086	56	8494	1.097	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	31259	5.566	ug/l #	50
38) Carbon Tetrachloride	8.088	117	39716	6.439	ug/l #	16
76) 1,2,3-Trichloropropane	12.734	75	152454	32.020	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	152454	76.607	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	423	2.708	ug/l #	62
95) Naphthalene	15.509	128	1869	3.978	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.703	180	221	2.572	ug/l #	73

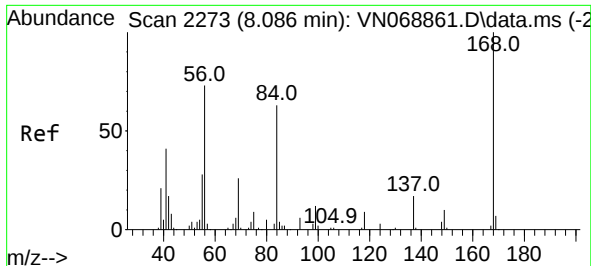
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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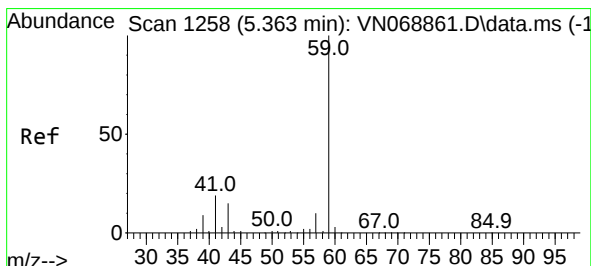
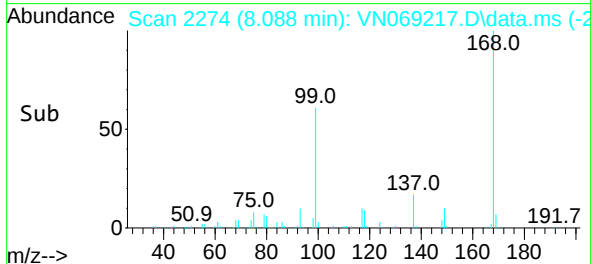
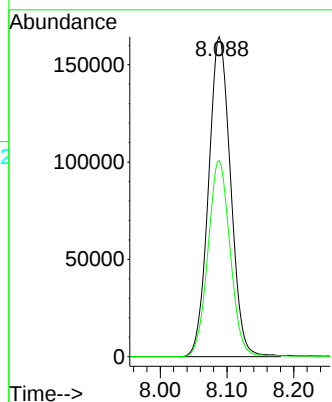
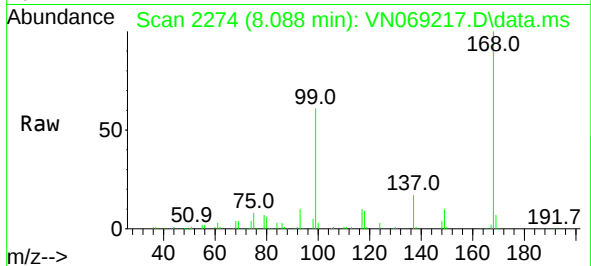




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

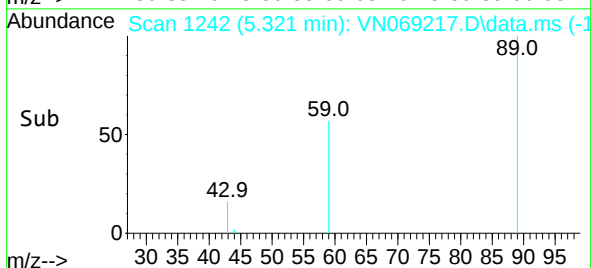
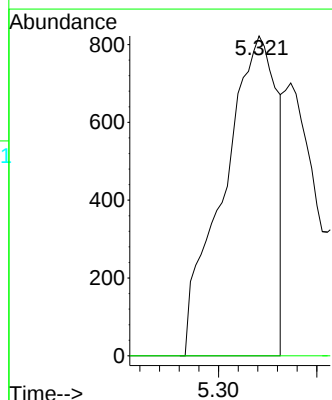
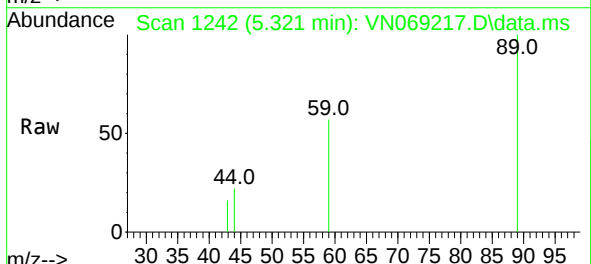
Instrument :
MSVOA_N
ClientSampled :

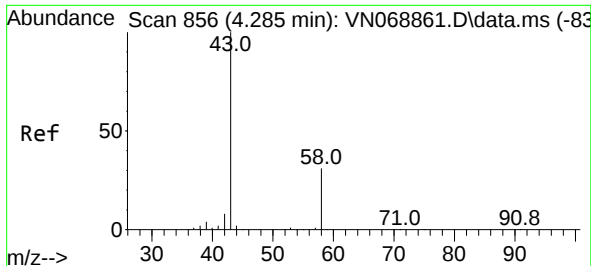
Tgt Ion:168 Resp: 377598
Ion Ratio Lower Upper
168 100
99 61.2 48.9 73.3



#11
Tert butyl alcohol
Concen: 1.715 ug/l
RT: 5.321 min Scan# 1242
Delta R.T. -0.043 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

Tgt Ion: 59 Resp: 1560
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

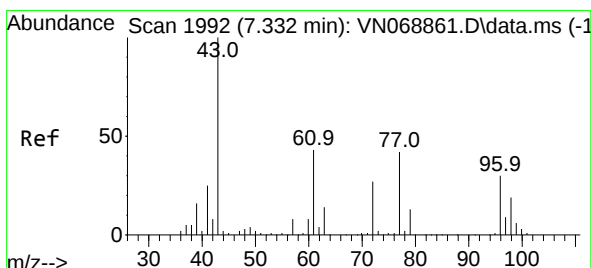
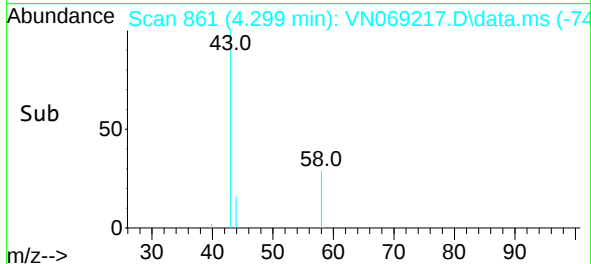
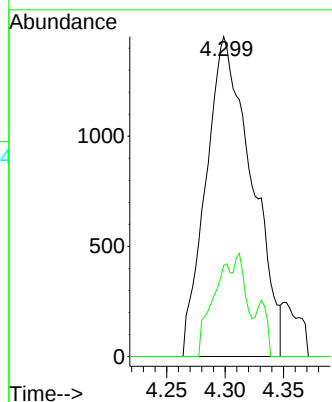
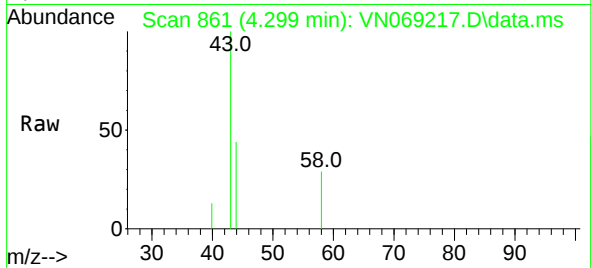




#16
Acetone
Concen: 2.128 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

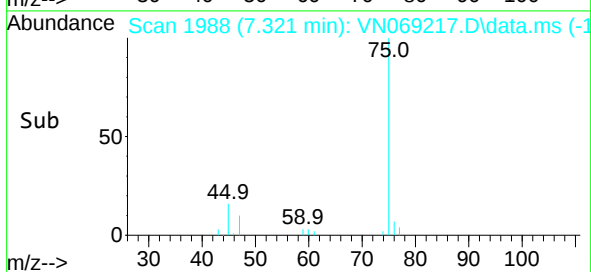
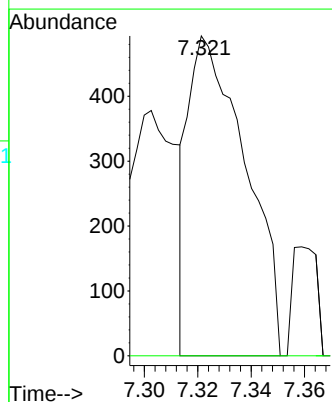
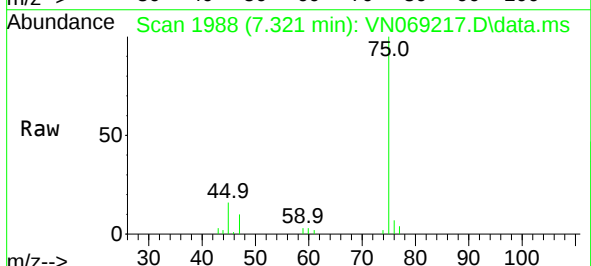
Instrument :
MSVOA_N
ClientSampled :

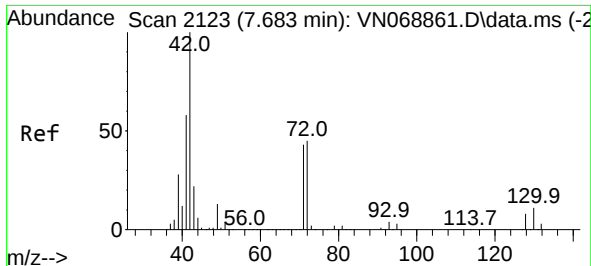
Tgt Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
58 28.5 24.5 36.7



#25
2-Butanone
Concen: 0.261 ug/l
RT: 7.321 min Scan# 1988
Delta R.T. -0.011 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#





#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 7.691 min Scan# 2126

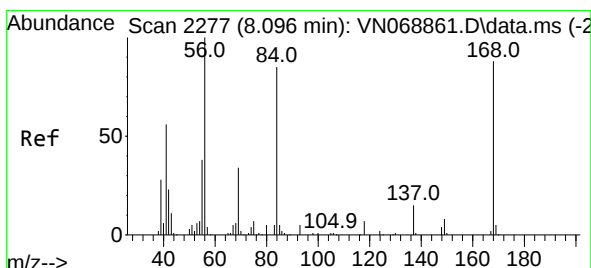
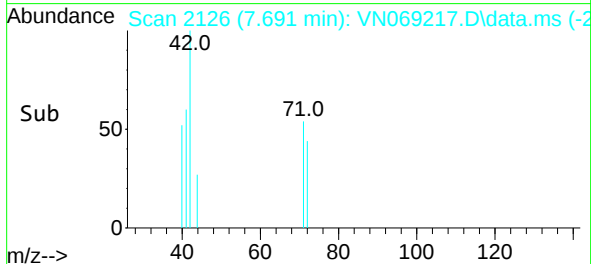
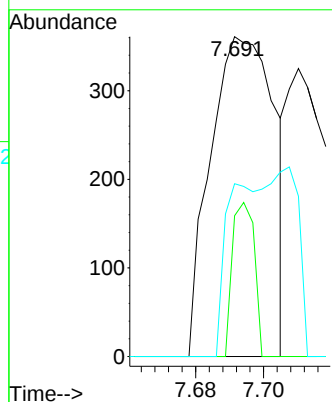
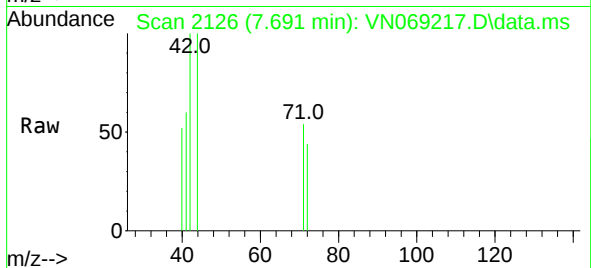
Delta R.T. 0.008 min

Lab File: VN069217.D

Acq: 27 Oct 2021 14:41

Tgt Ion:	42	Resp:	468
Ion	Ratio	Lower	Upper
42	100		
72	16.7	35.4	53.2#
71	25.2	33.8	50.6#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.097 ug/l

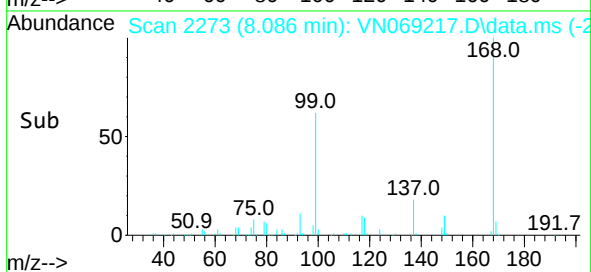
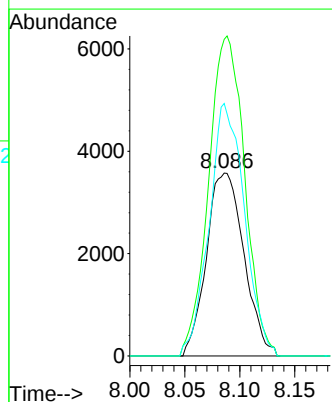
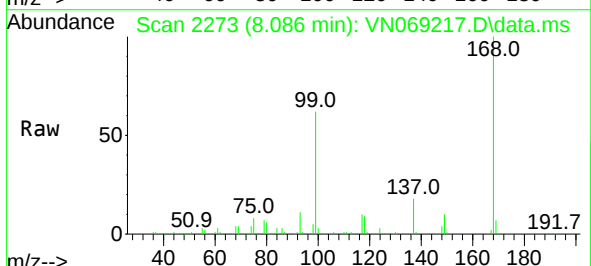
RT: 8.086 min Scan# 2273

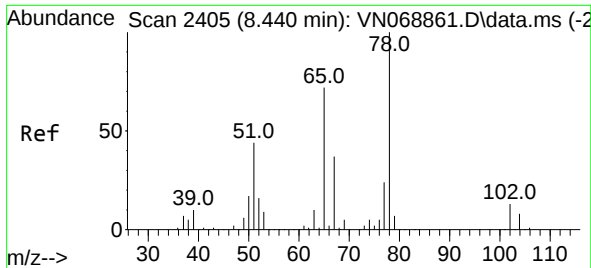
Delta R.T. -0.010 min

Lab File: VN069217.D

Acq: 27 Oct 2021 14:41

Tgt Ion:	56	Resp:	8494
Ion	Ratio	Lower	Upper
56	100		
69	173.2	26.9	40.3#
84	138.1	67.6	101.4#

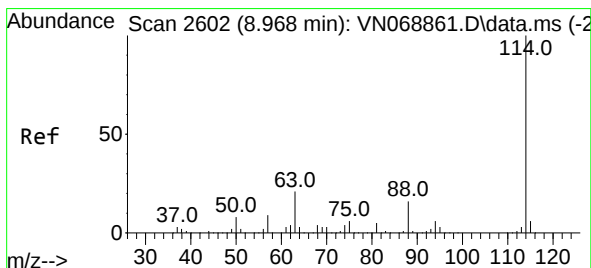
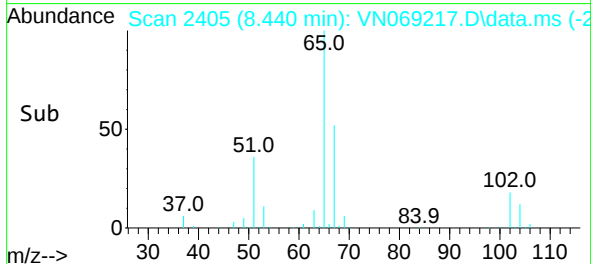
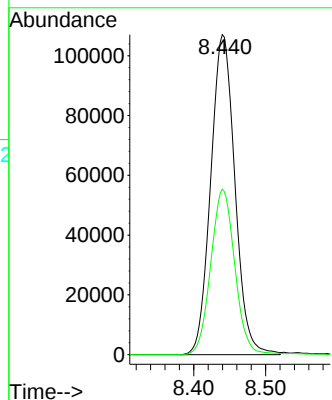
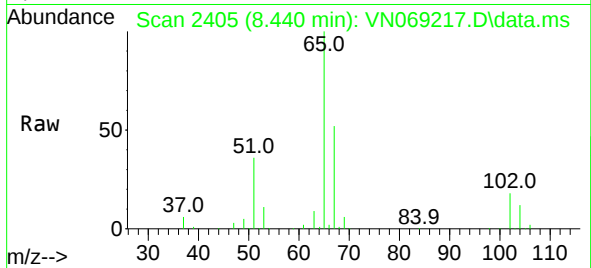




#33
 1,2-Dichloroethane-d4
 Concen: 50.209 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069217.D
 Acq: 27 Oct 2021 14:41

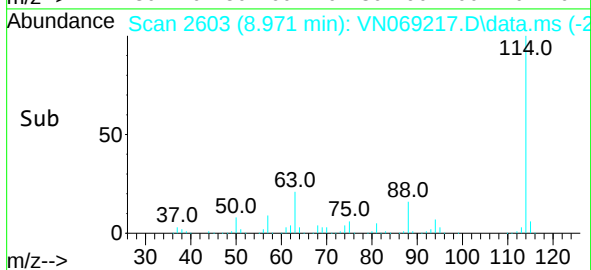
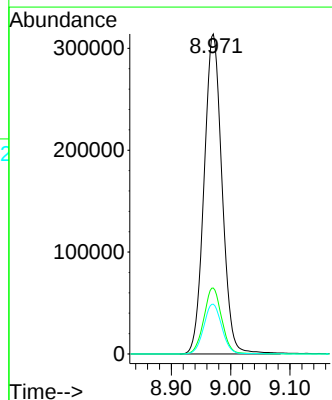
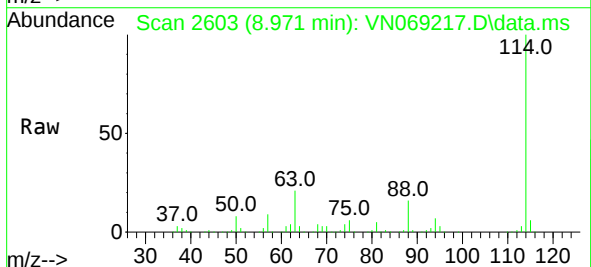
Instrument :
 MSVOA_N
 ClientSampled :

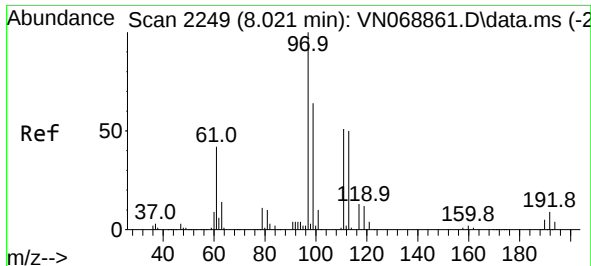
Tgt Ion: 65 Resp: 249964
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069217.D
 Acq: 27 Oct 2021 14:41

Tgt Ion: 114 Resp: 657542
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 15.5 0.0 32.0

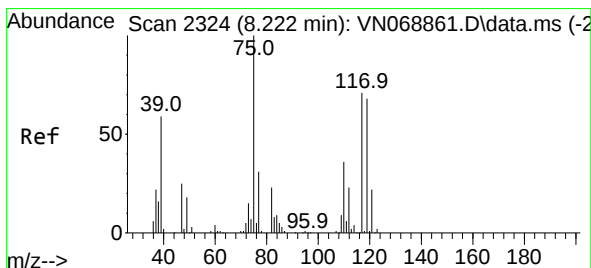
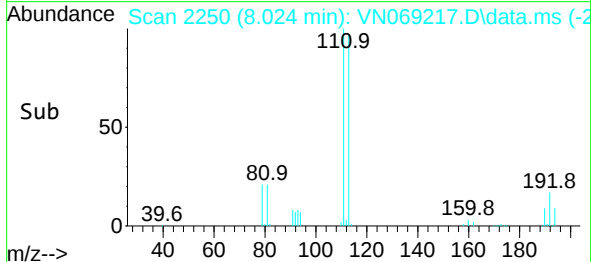
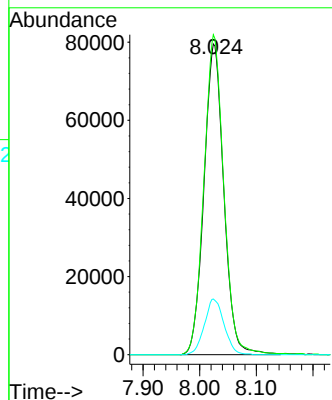
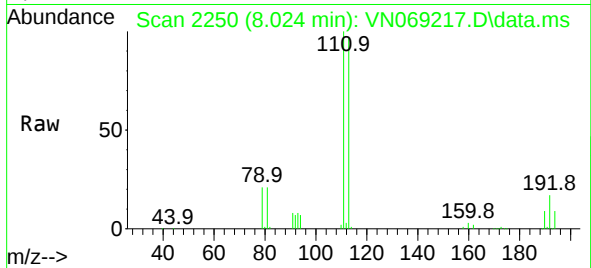




#35
Dibromofluoromethane
Concen: 50.599 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

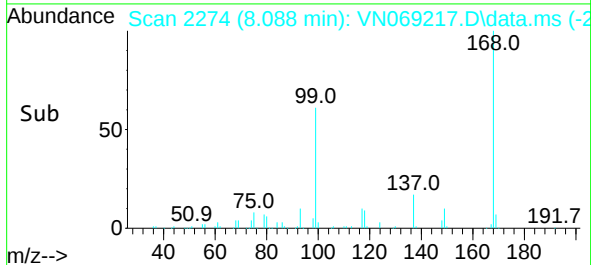
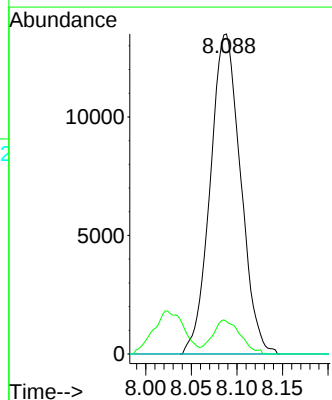
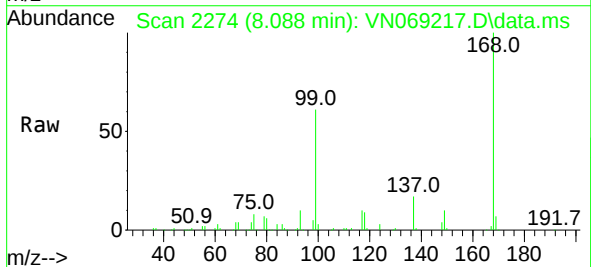
Instrument :
MSVOA_N
ClientSampled :

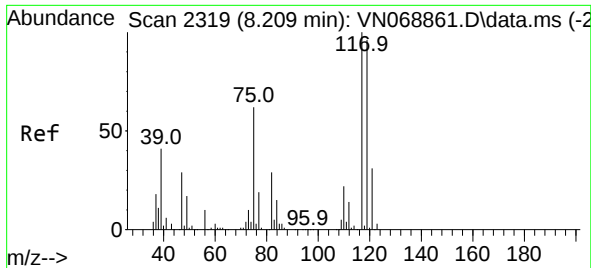
Tgt Ion:113 Resp: 193572
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 17.8 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.566 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

Tgt Ion: 75 Resp: 31259
Ion Ratio Lower Upper
75 100
110 9.8 17.9 53.8#
77 0.0 24.7 37.1#

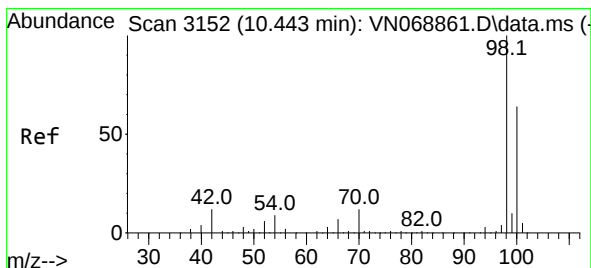
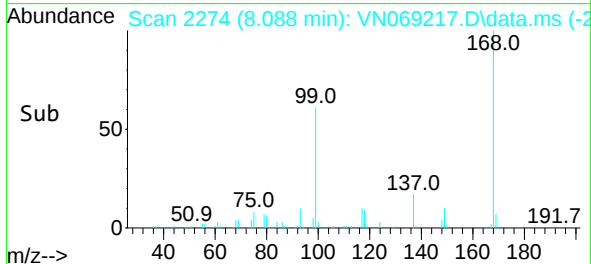
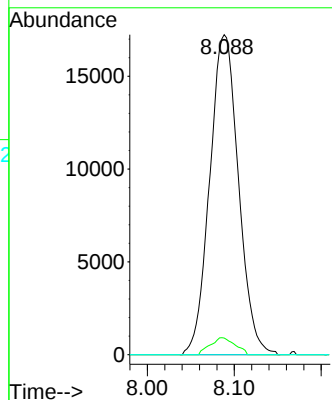
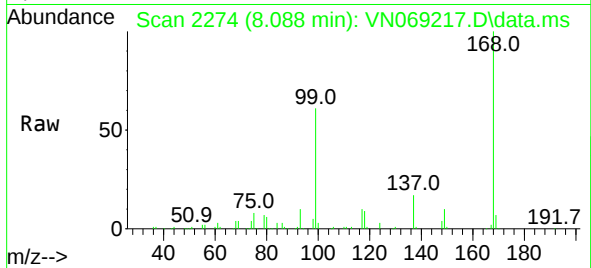




#38
Carbon Tetrachloride
Concen: 6.439 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

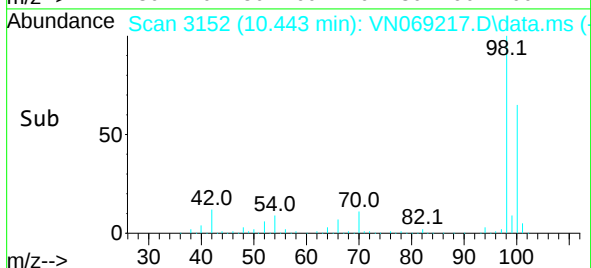
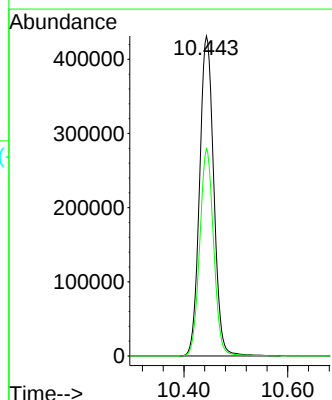
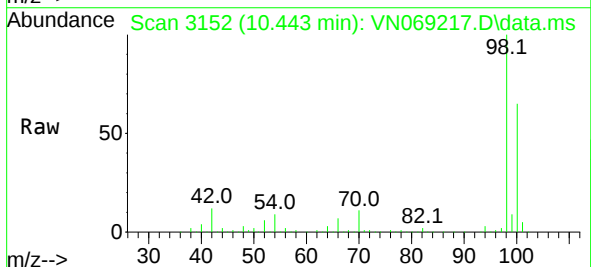
Instrument :
MSVOA_N
ClientSampled :

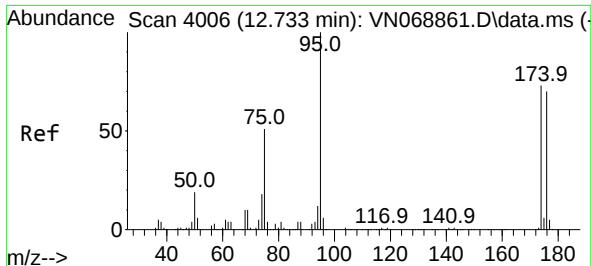
Tgt Ion:117 Resp: 39716
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 53.380 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

Tgt Ion: 98 Resp: 817087
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3

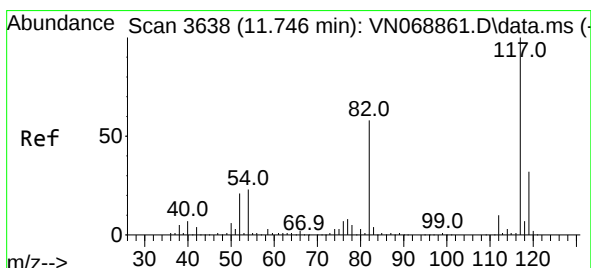
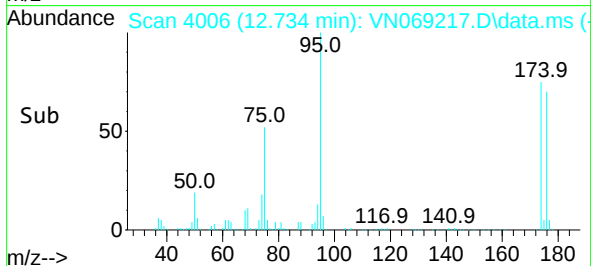
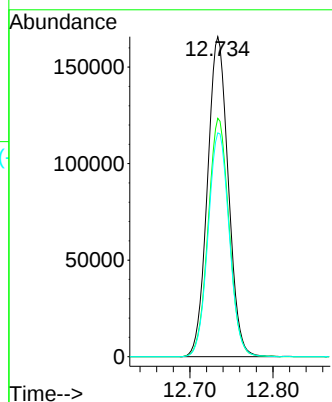
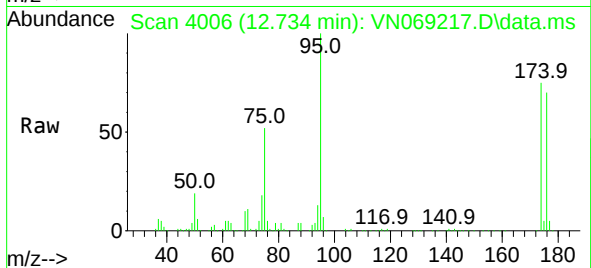




#62
4-Bromofluorobenzene
Concen: 49.906 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

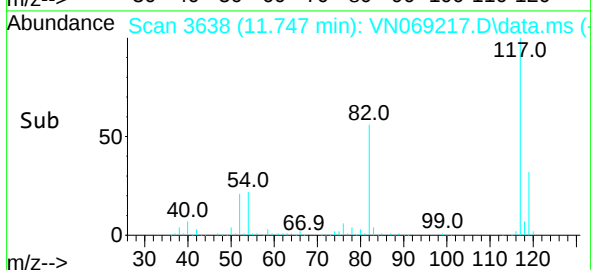
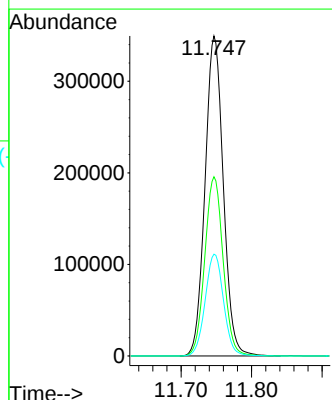
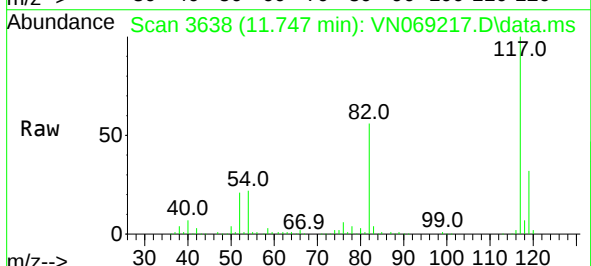
Instrument :
MSVOA_N
ClientSampleId :

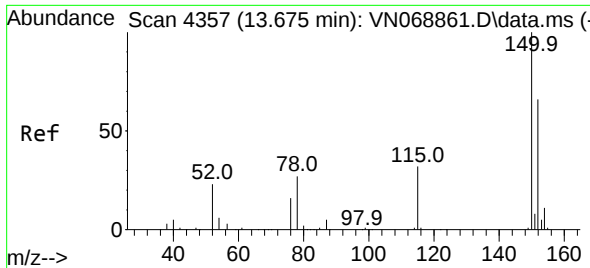
Tgt Ion: 95 Resp: 288216
Ion Ratio Lower Upper
95 100
174 74.8 0.0 144.8
176 71.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

Tgt Ion: 117 Resp: 628907
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 31.8 26.0 39.0

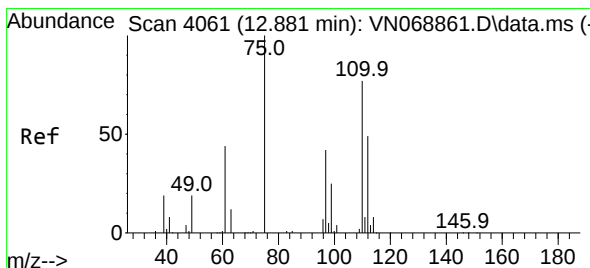
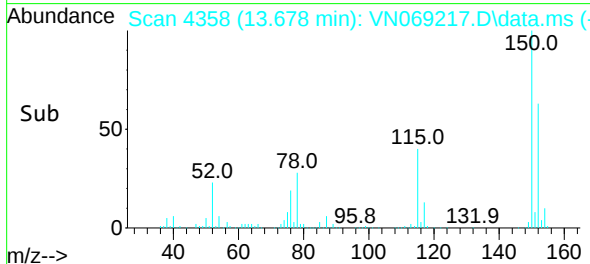
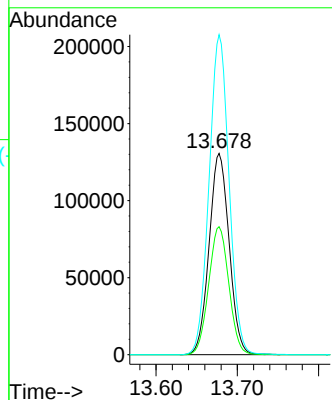
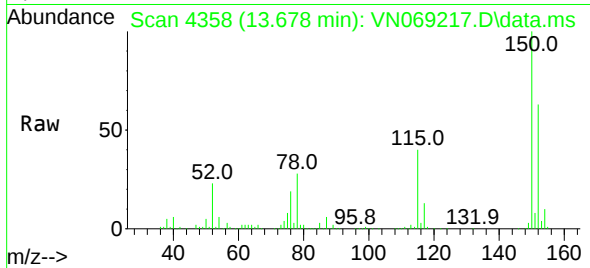




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069217.D
 Acq: 27 Oct 2021 14:41

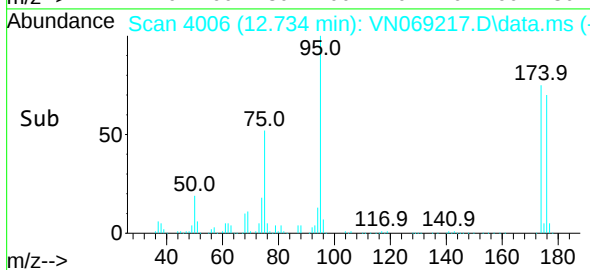
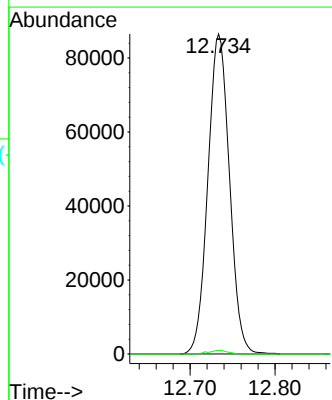
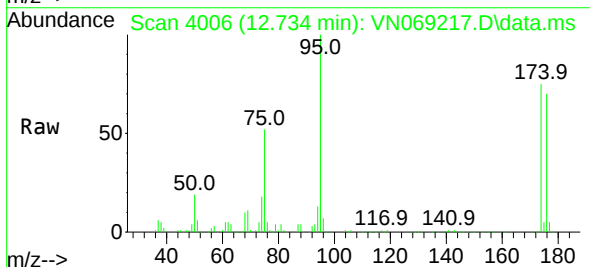
Instrument :
 MSVOA_N
 ClientSampled :

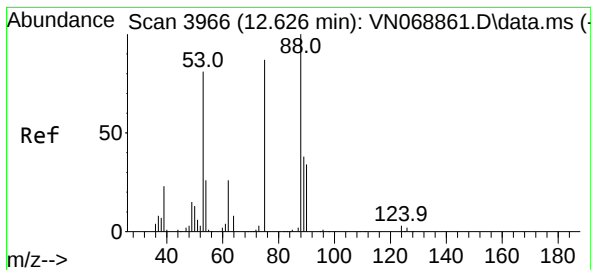
Tgt Ion:152 Resp: 223768
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.4 94.3
 150 158.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 32.020 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069217.D
 Acq: 27 Oct 2021 14:41

Tgt Ion: 75 Resp: 152454
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

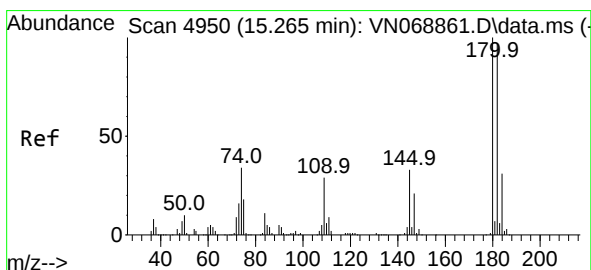
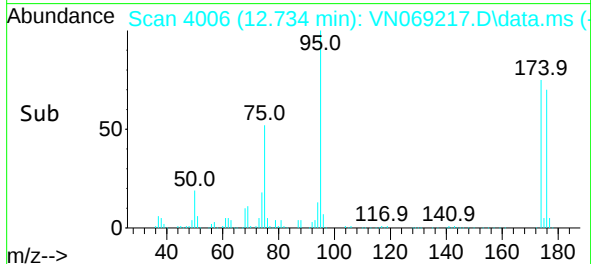
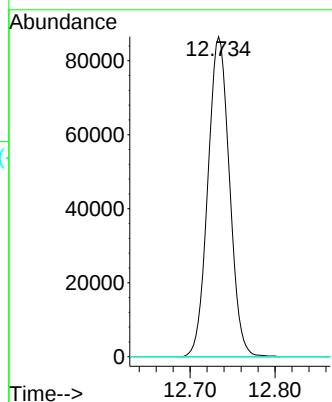
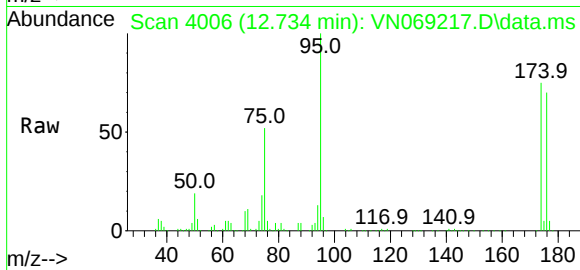




#81
trans-1,4-Dichloro-2-butene
Concen: 76.607 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

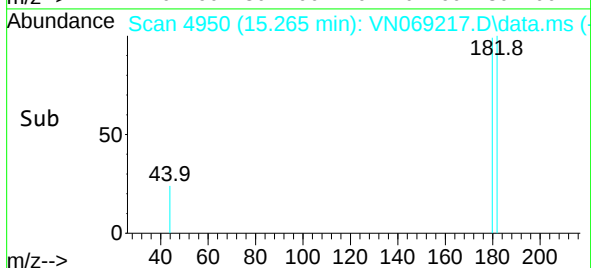
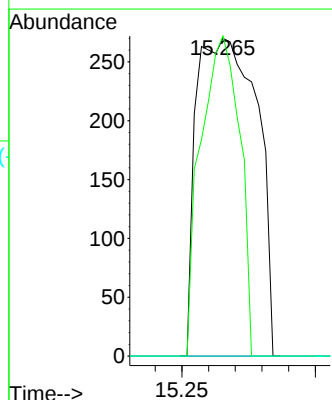
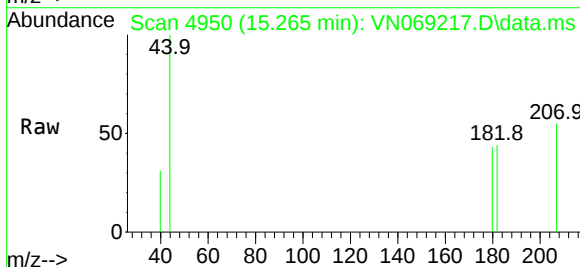
Instrument :
MSVOA_N
ClientSampleId :

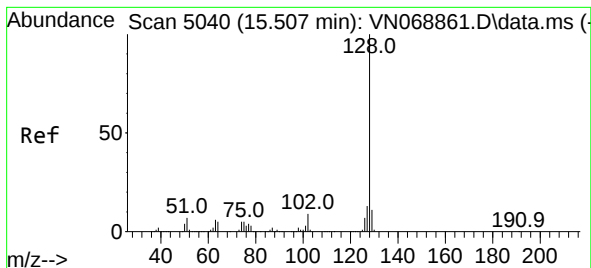
Tgt Ion: 75 Resp: 152454
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.708 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

Tgt Ion:180 Resp: 423
Ion Ratio Lower Upper
180 100
182 65.0 47.9 143.7
145 0.0 16.4 49.2#

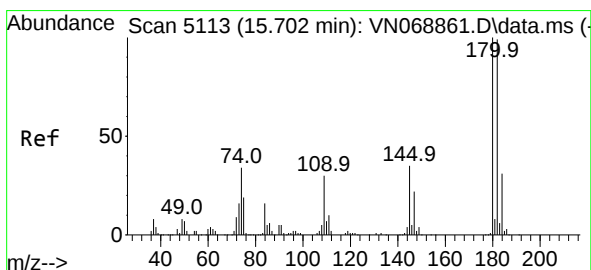
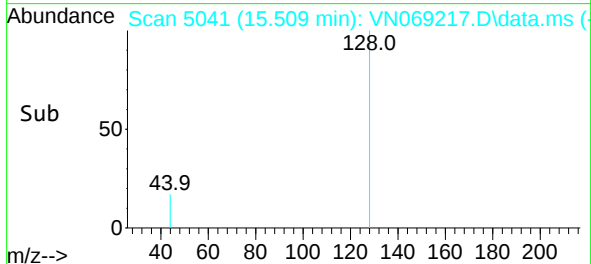
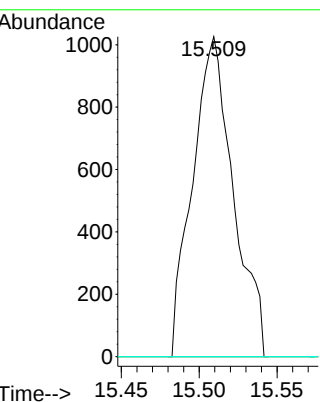
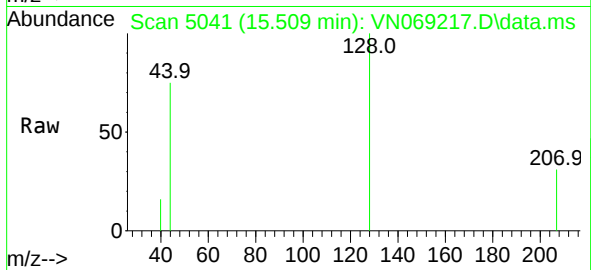




#95
Naphthalene
Concen: 3.978 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1869
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.572 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.001 min
Lab File: VN069217.D
Acq: 27 Oct 2021 14:41

Tgt Ion:180 Resp: 221
Ion Ratio Lower Upper
180 100
182 111.3 48.1 144.3
145 0.0 17.4 52.2#

