

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
 Data File : VN069590.D
 Acq On : 19 Nov 2021 17:22
 Operator : JC/MD
 Sample : M4768-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 05:08:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

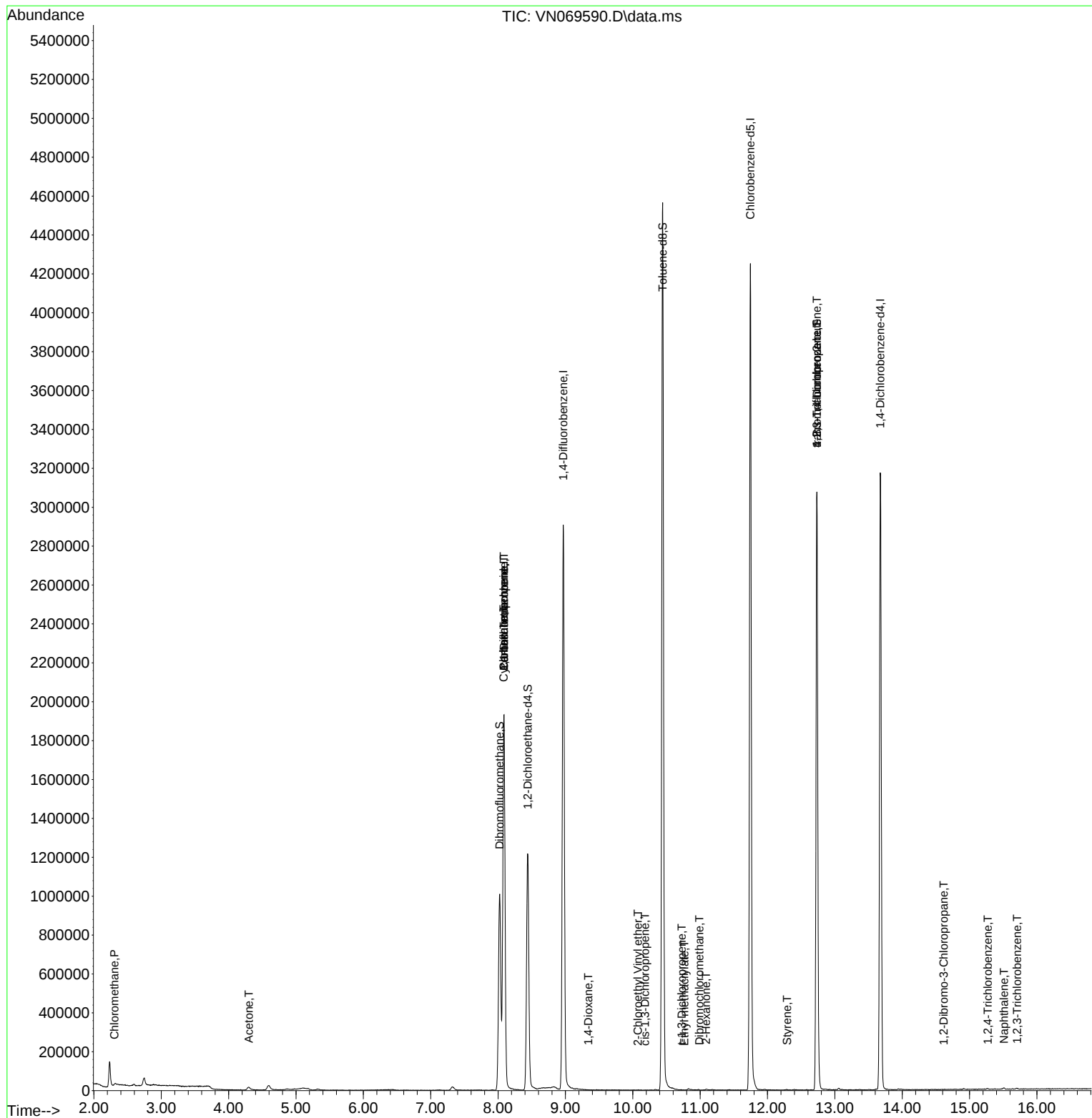
Internal Standards						
1) Pentafluorobenzene	8.088	168	1446563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2495116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2416008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	859392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1066040	50.826	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.660%
35) Dibromofluoromethane	8.024	113	735970	49.181	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.360%
50) Toluene-d8	10.443	98	3120793	53.025	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.040%
62) 4-Bromofluorobenzene	12.733	95	1064193	49.219	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	3719	0.208	ug/l	97
13) Acrolein	4.047	56	540	Below Cal	#	1
16) Acetone	4.299	43	24505	2.165	ug/l #	89
31) Cyclohexane	8.083	56	36646	1.279	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	121666	5.795	ug/l #	50
38) Carbon Tetrachloride	8.086	117	152959	7.546	ug/l #	16
49) 1,4-Dioxane	9.341	88	29	39.124	ug/l #	1
53) t-1,3-Dichloropropene	10.727	75	52	2.639	ug/l #	43
54) cis-1,3-Dichloropropene	10.183	75	88	1.736	ug/l #	61
56) Ethyl methacrylate	10.768	69	212	2.060	ug/l #	31
58) 2-Chloroethyl Vinyl ether	10.076	63	346	22.810	ug/l #	45
59) 2-Hexanone	11.087	43	2404	8.035	ug/l	77
60) Dibromochloromethane	10.990	129	173	2.427	ug/l #	11
70) Styrene	12.291	104	272	1.525	ug/l #	76
76) 1,2,3-Trichloropropane	12.733	75	601778	30.343	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	601778	85.653	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	14.616	75	54	1.809	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.271	180	1504	3.218	ug/l #	19
95) Naphthalene	15.512	128	6094	4.597	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.705	180	1522	3.280	ug/l	82

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration

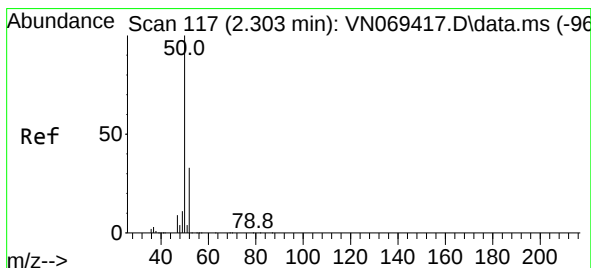
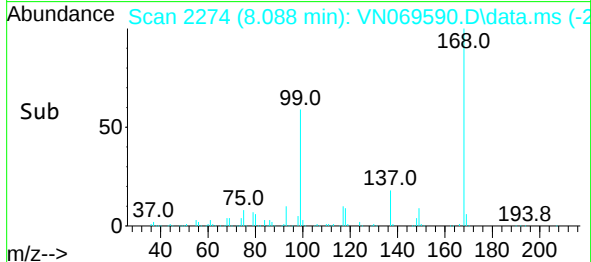
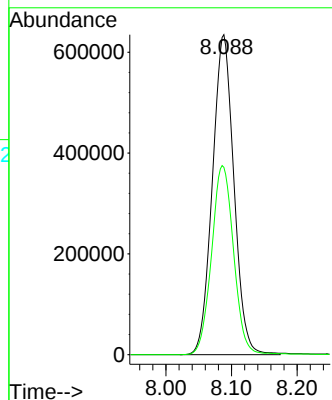
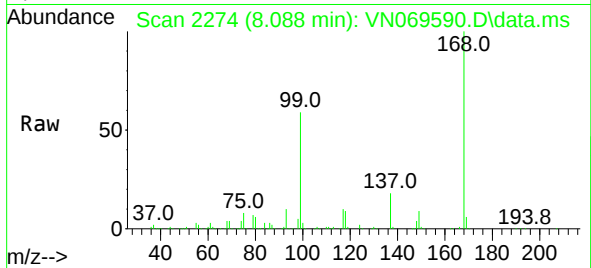




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

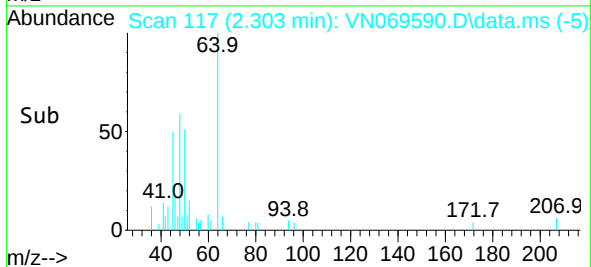
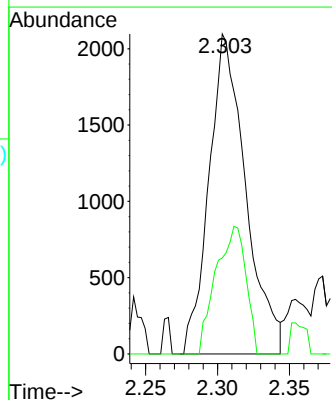
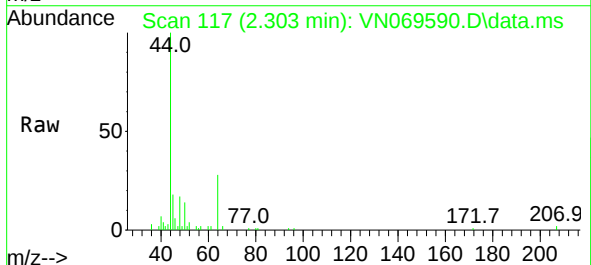
Instrument :
MSVOA_N
ClientSampleId :

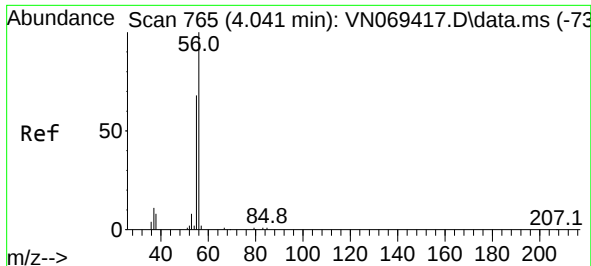
Tgt Ion:168 Resp: 1446563
Ion Ratio Lower Upper
168 100
99 58.6 41.3 61.9



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

Tgt Ion: 50 Resp: 3719
Ion Ratio Lower Upper
50 100
52 30.0 25.4 38.0

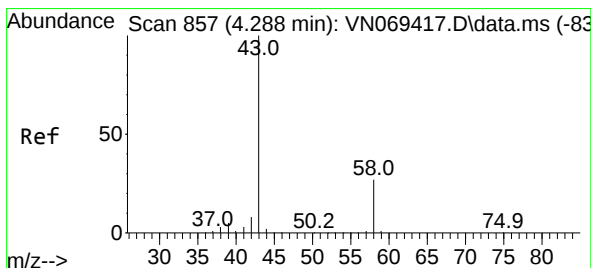
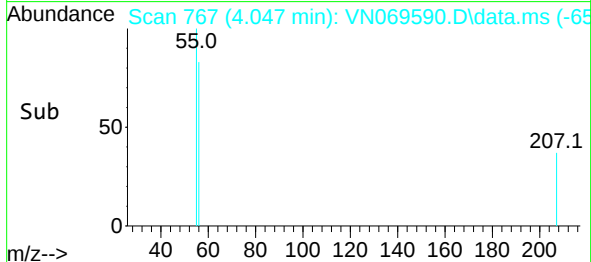
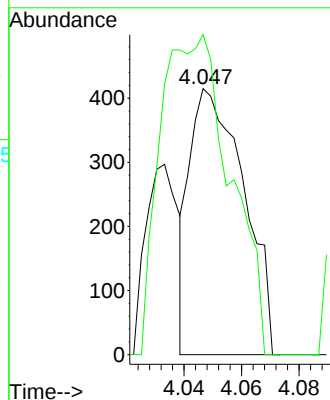
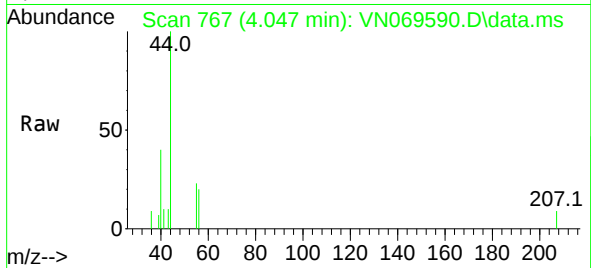




#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 765
Delta R.T. 0.006 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

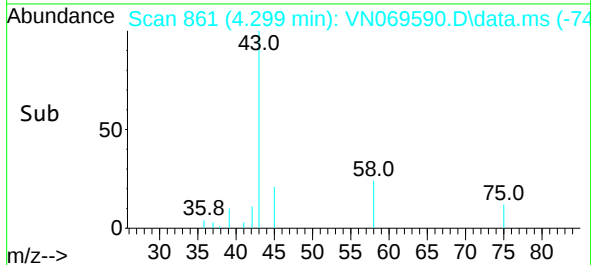
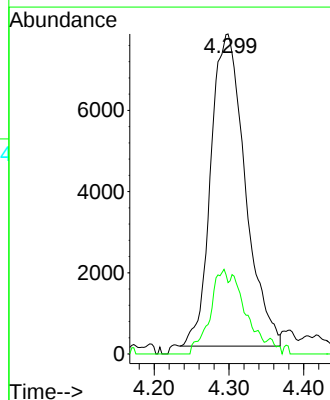
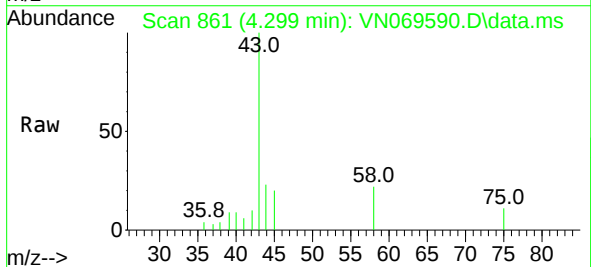
Instrument :
MSVOA_N
ClientSampleId :

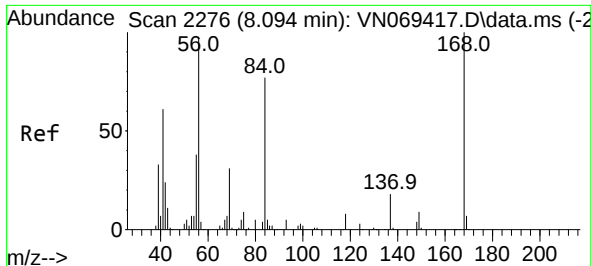
Tgt Ion: 56 Resp: 540
Ion Ratio Lower Upper
56 100
55 155.7 56.6 85.0#



#16
Acetone
Concen: 2.165 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

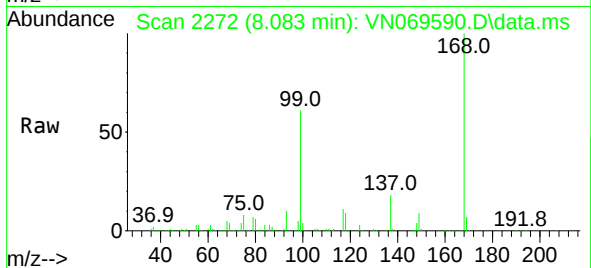
Tgt Ion: 43 Resp: 24505
Ion Ratio Lower Upper
43 100
58 22.9 23.1 34.7#



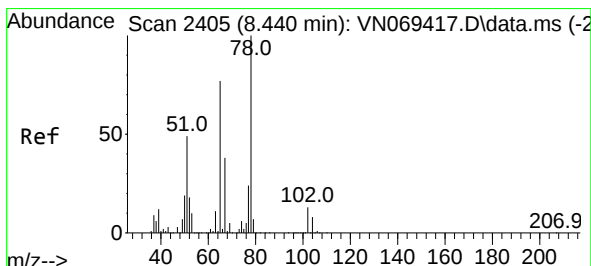
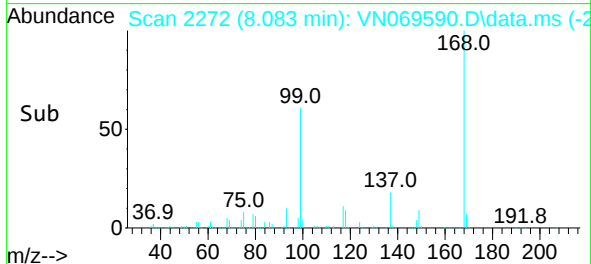
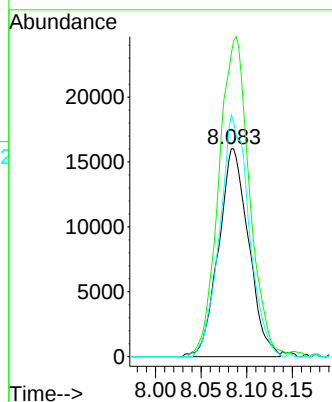


#31
Cyclohexane
Concen: 1.279 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

Instrument :
MSVOA_N
ClientSampleId :

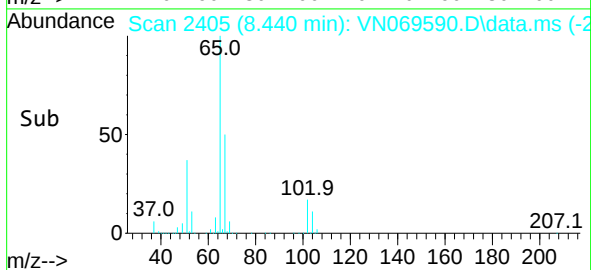
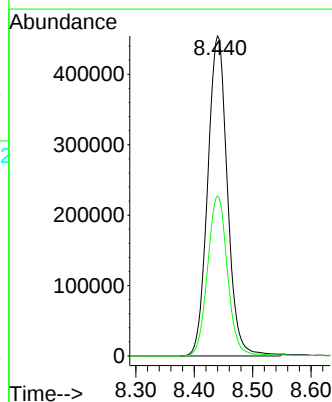
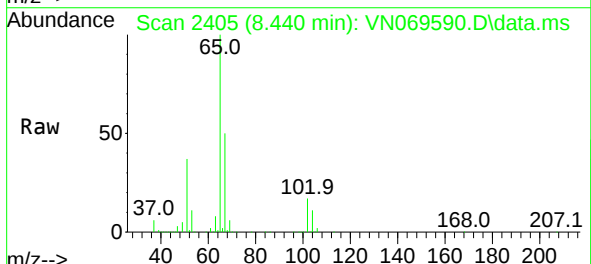


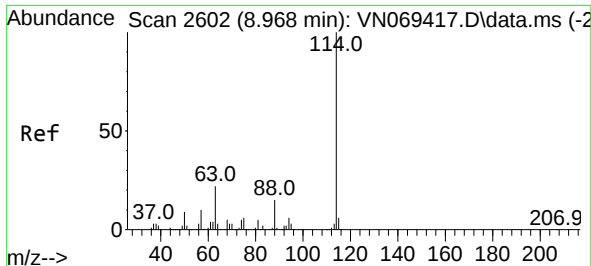
Tgt Ion: 56 Resp: 36646
Ion Ratio Lower Upper
56 100
69 145.6 27.1 40.7#
84 116.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.826 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

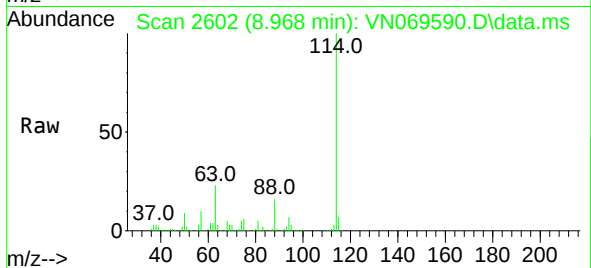
Tgt Ion: 65 Resp: 1066040
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.0



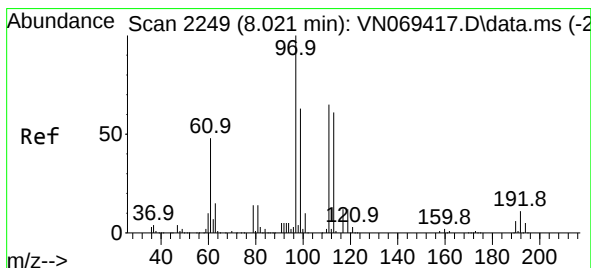
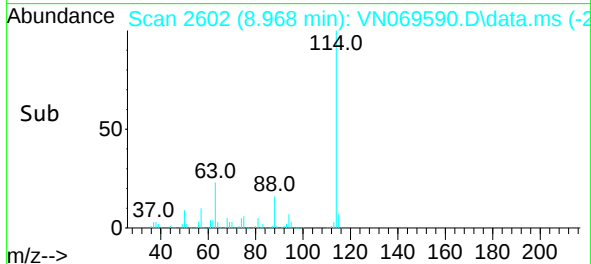
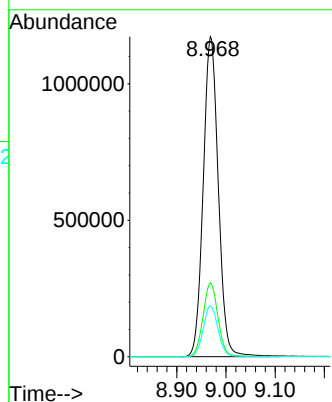


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

Instrument :
MSVOA_N
ClientSampleId :

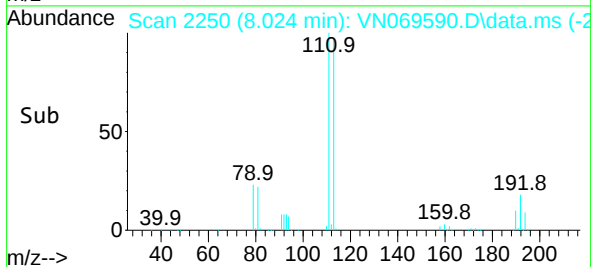
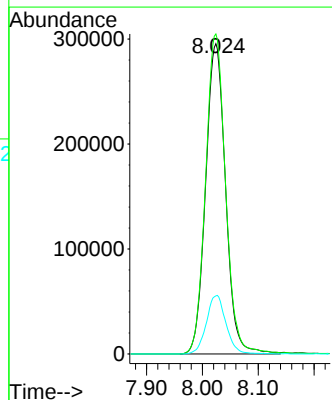
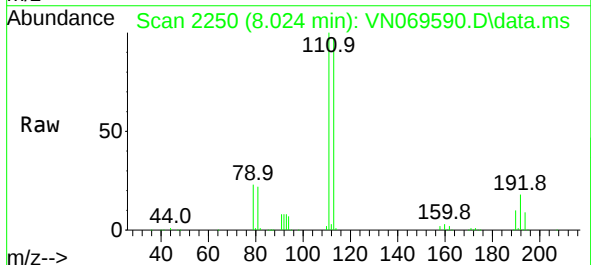


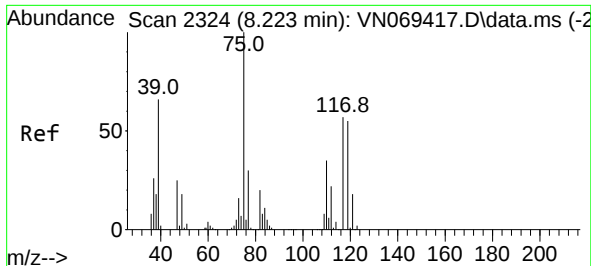
Tgt Ion:114 Resp: 2495116
Ion Ratio Lower Upper
114 100
63 23.1 0.0 37.8
88 15.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.181 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

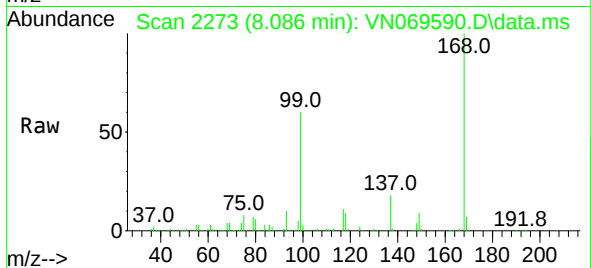
Tgt Ion:113 Resp: 735970
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.5 16.9 25.3



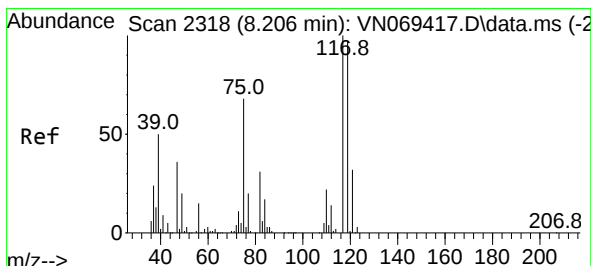
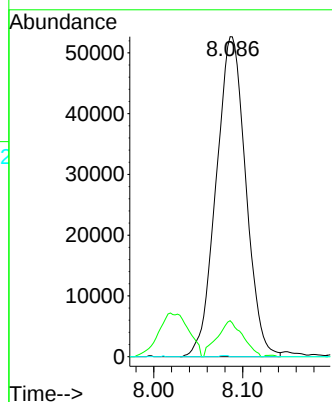
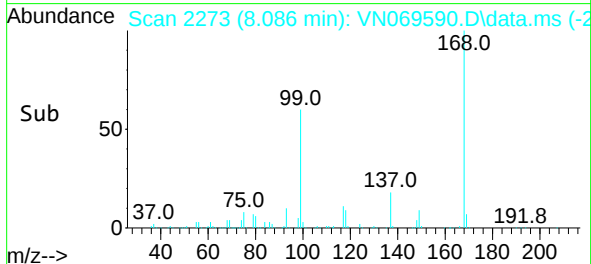


#36
1,1-Dichloropropene
Concen: 5.795 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

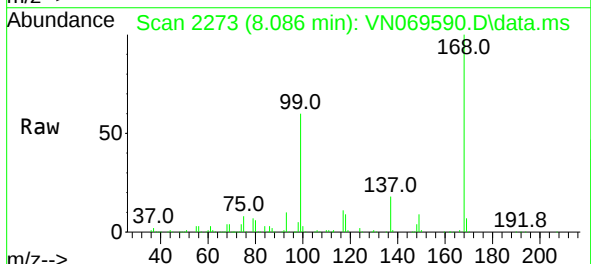
Instrument :
MSVOA_N
ClientSampleId :



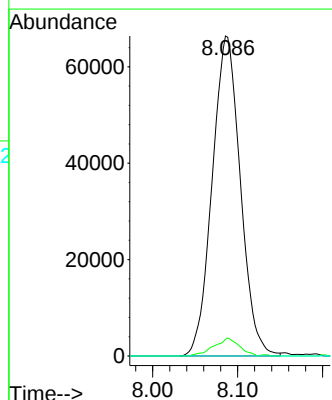
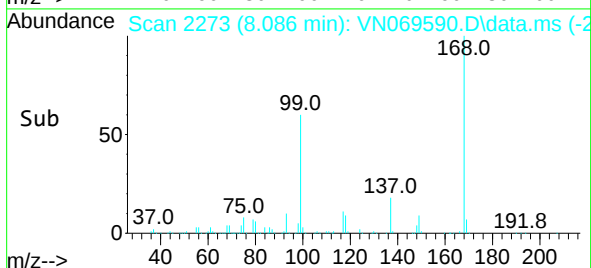
Tgt Ion: 75 Resp: 121666
Ion Ratio Lower Upper
75 100
110 9.7 18.4 55.2#
77 0.1 24.4 36.6#

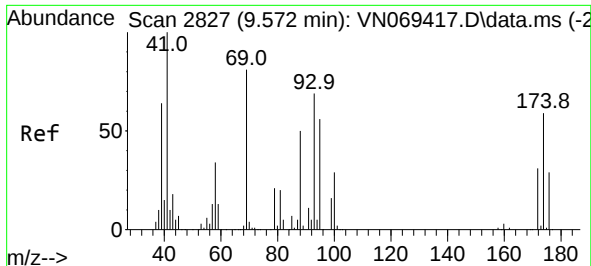


#38
Carbon Tetrachloride
Concen: 7.546 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22



Tgt Ion: 117 Resp: 152959
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 39.124 ug/l

RT: 9.341 min Scan# 21

Delta R.T. -0.231 min

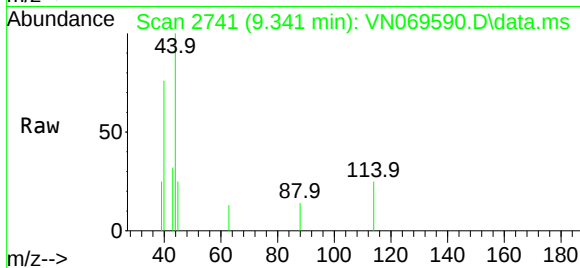
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Acq: 19 Nov 2021 17:22

Instrument :

MSVOA_N

ClientSampleId :



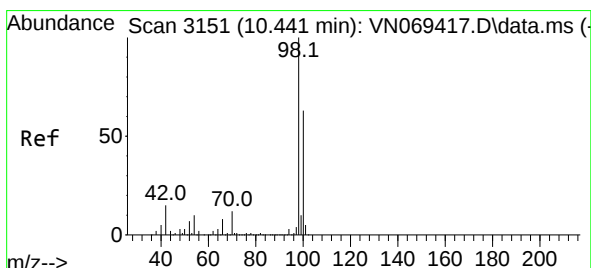
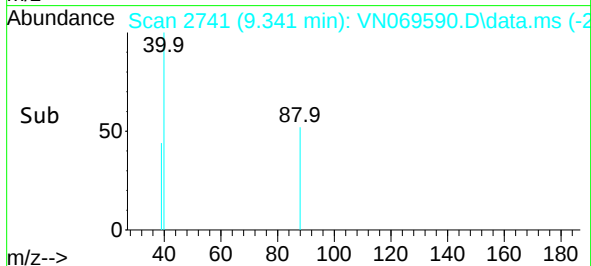
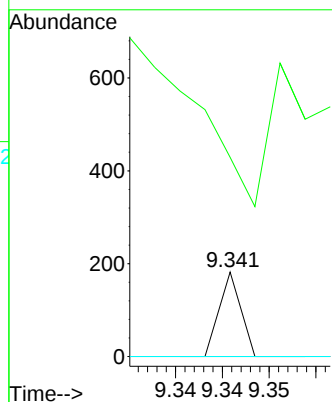
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 727.6 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 53.025 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.002 min

Lab File: VN069590.D

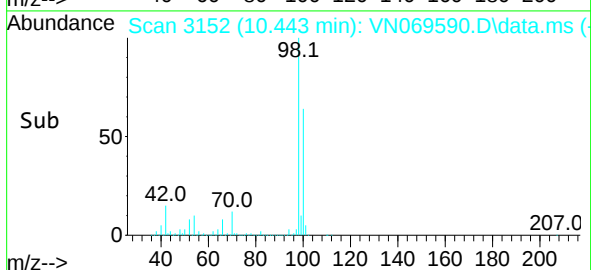
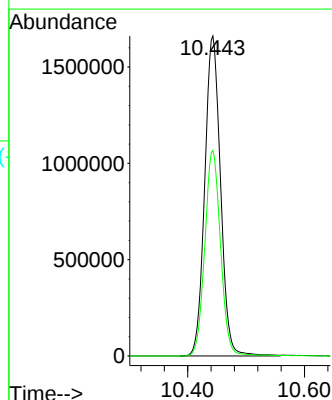
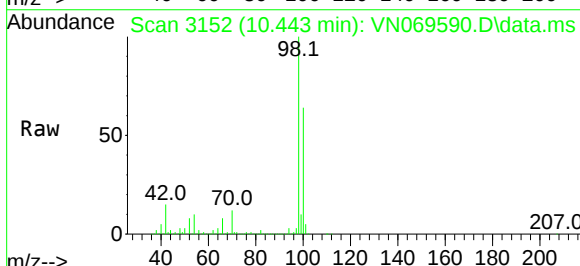
Acq: 19 Nov 2021 17:22

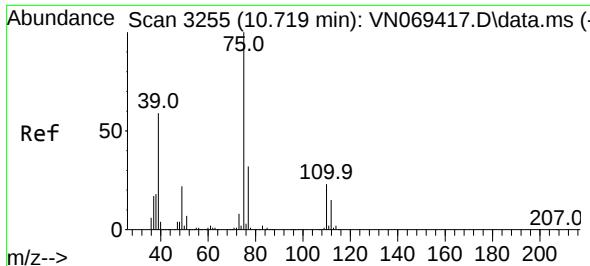
Tgt Ion: 98 Resp: 3120793

Ion Ratio Lower Upper

98 100

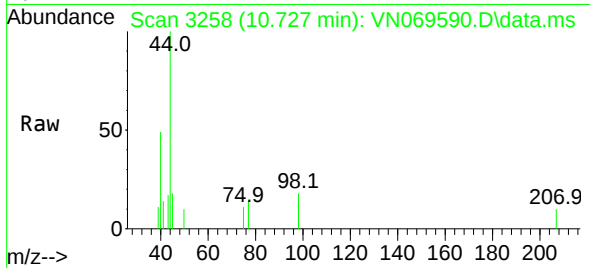
100 63.8 50.4 75.6



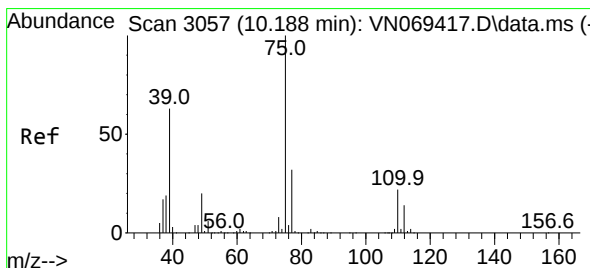
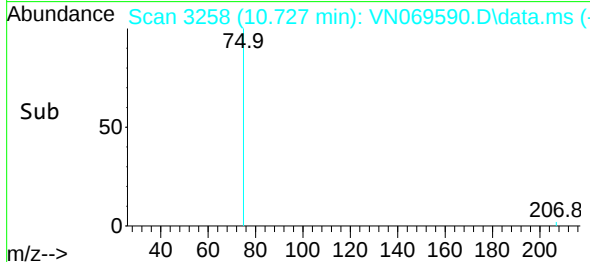
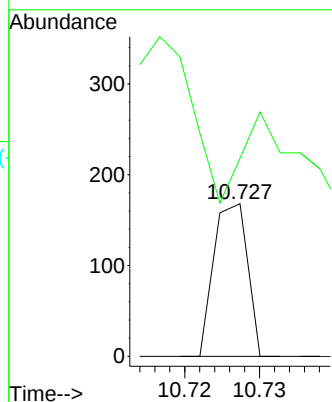


#53
t-1,3-Dichloropropene
Concen: 2.639 ug/l
RT: 10.727 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

Instrument :
MSVOA_N
ClientSampleId :

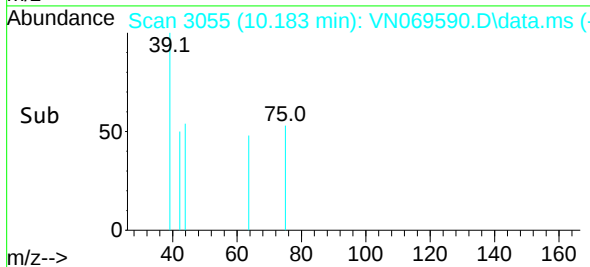
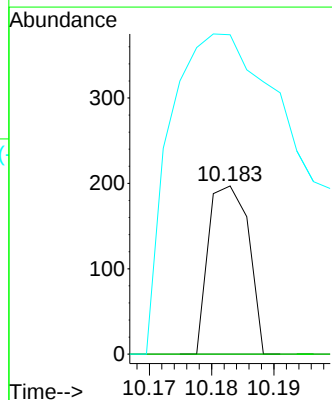
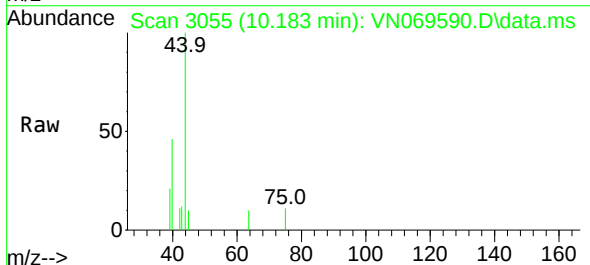


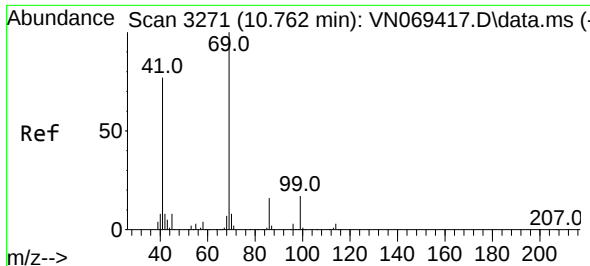
Tgt Ion: 75 Resp: 52
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 1.736 ug/l
RT: 10.183 min Scan# 3055
Delta R.T. -0.005 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

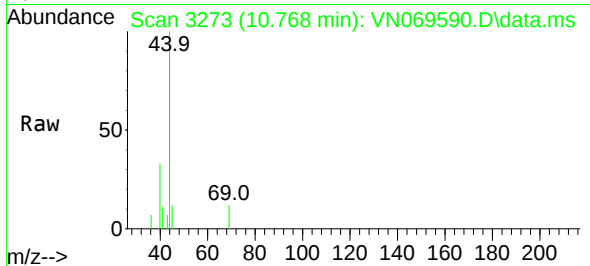
Tgt Ion: 75 Resp: 88
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 34.5 42.5 63.7#



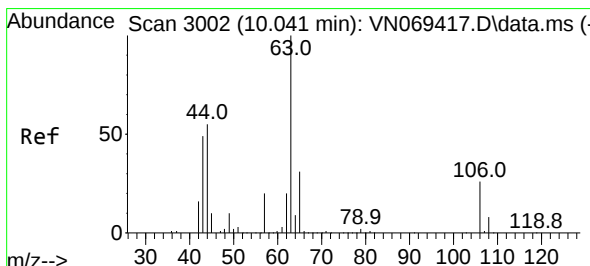
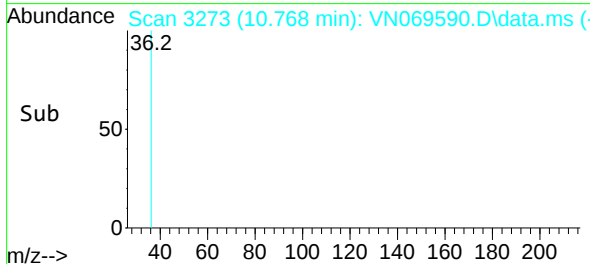
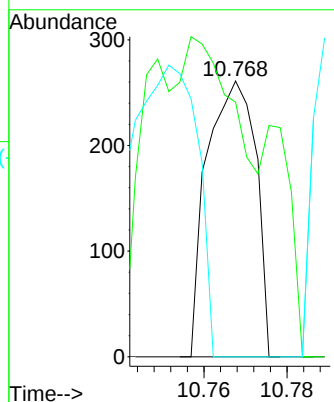


#56
Ethyl methacrylate
Concen: 2.060 ug/l
RT: 10.768 min Scan# 3015
Delta R.T. 0.006 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

Instrument :
MSVOA_N
ClientSampleId :

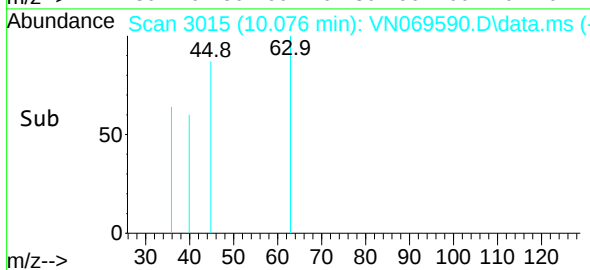
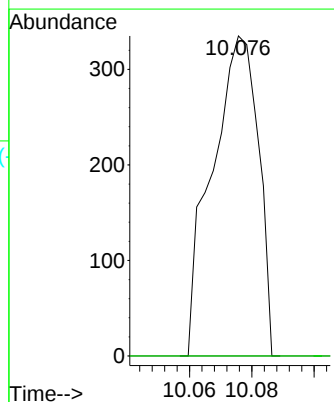
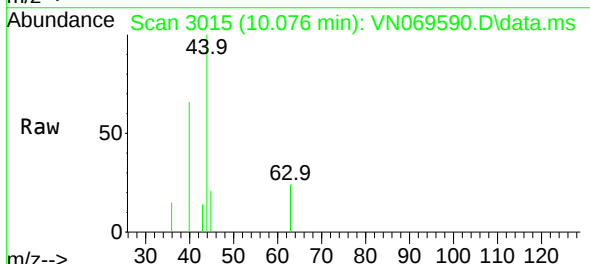


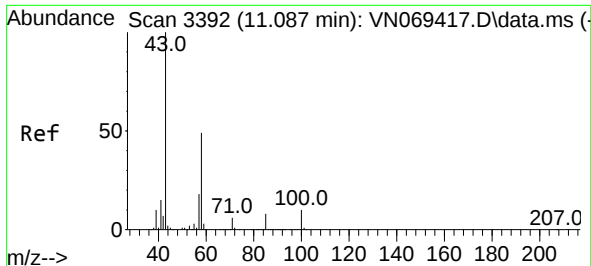
Tgt Ion: 69 Resp: 212
Ion Ratio Lower Upper
69 100
41 73.6 51.4 77.0
39 141.5 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 22.810 ug/l
RT: 10.076 min Scan# 3015
Delta R.T. 0.035 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

Tgt Ion: 63 Resp: 346
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

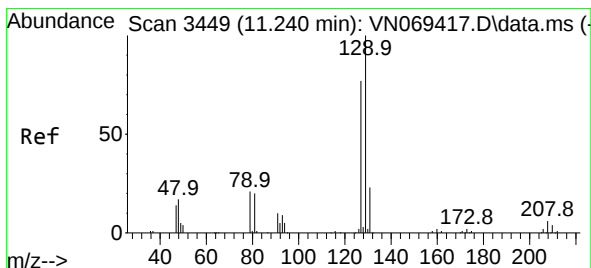
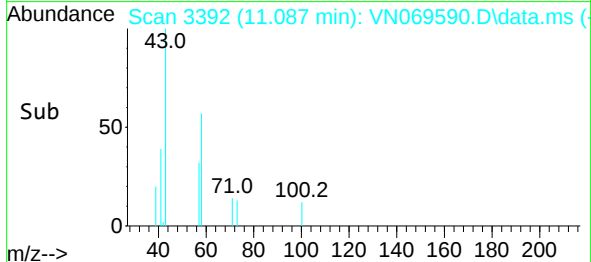
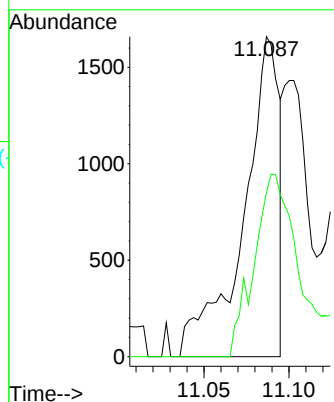
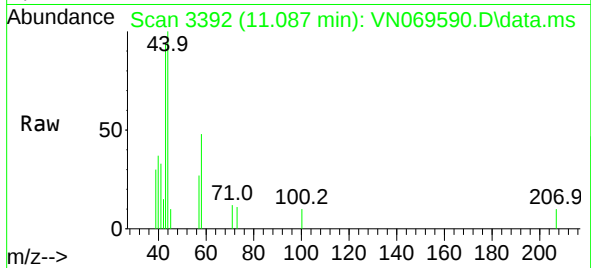




#59
2-Hexanone
Concen: 8.035 ug/l
RT: 11.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

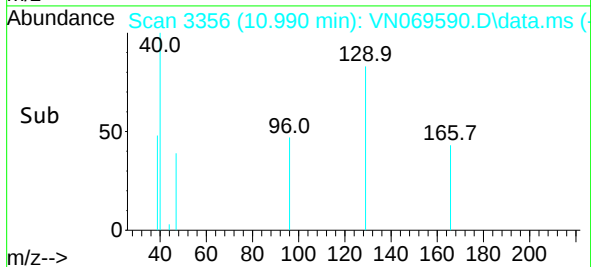
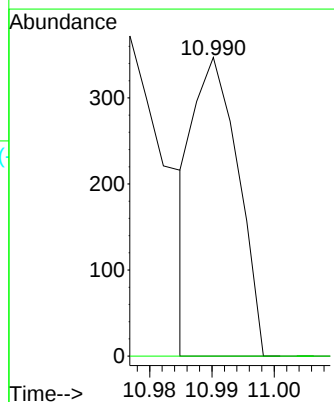
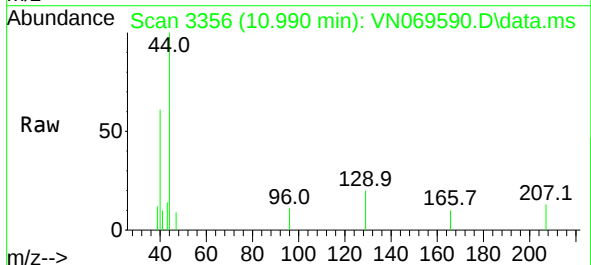
Instrument :
MSVOA_N
ClientSampleId :

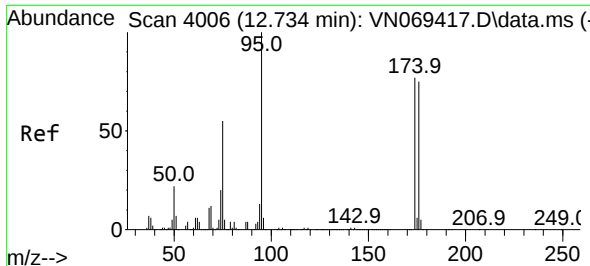
Tgt Ion: 43 Resp: 2404
Ion Ratio Lower Upper
43 100
58 70.0 26.9 80.7



#60
Dibromochloromethane
Concen: 2.427 ug/l
RT: 10.990 min Scan# 3356
Delta R.T. -0.250 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

Tgt Ion: 129 Resp: 173
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

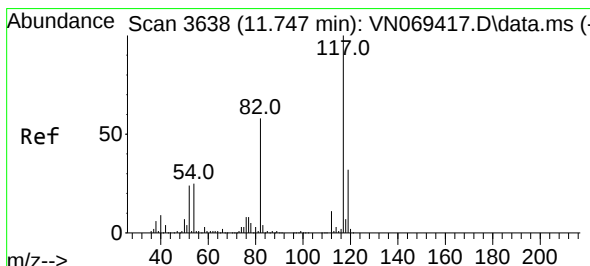
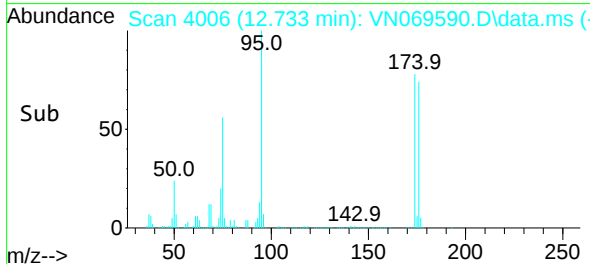
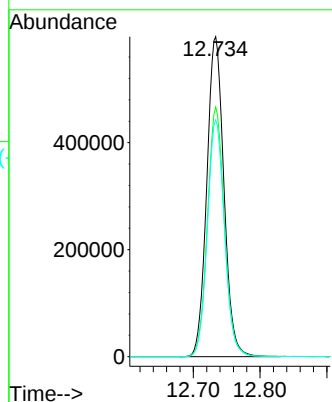
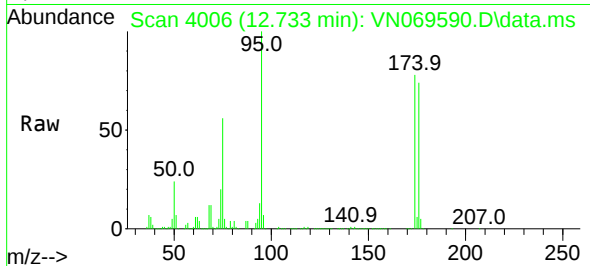




#62
4-Bromofluorobenzene
Concen: 49.219 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

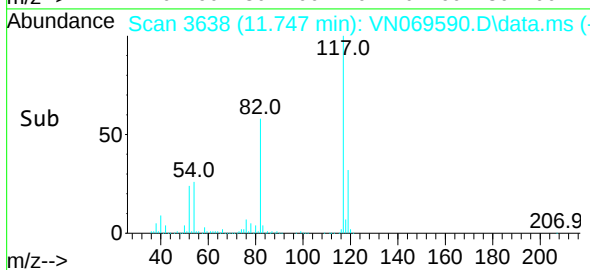
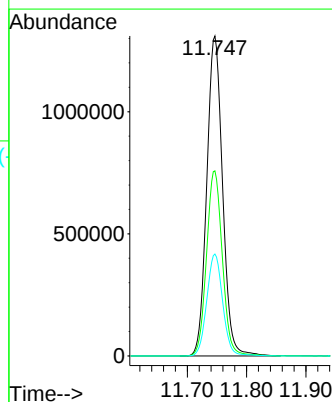
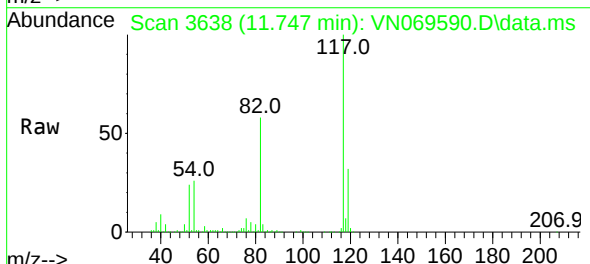
Instrument :
MSVOA_N
ClientSampleId :

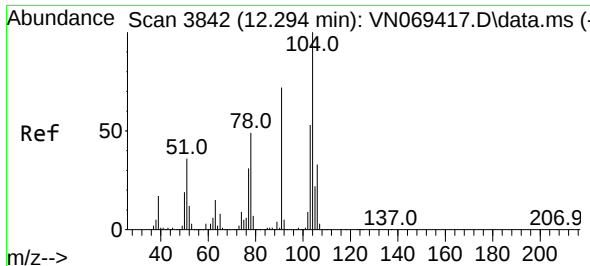
Tgt Ion: 95 Resp: 1064193
Ion Ratio Lower Upper
95 100
174 77.4 0.0 187.2
176 73.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

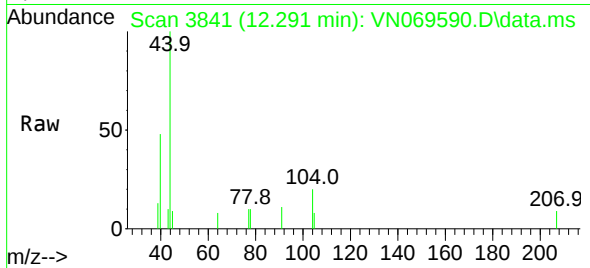
Tgt Ion: 117 Resp: 2416008
Ion Ratio Lower Upper
117 100
82 57.8 42.4 63.6
119 31.8 25.4 38.2



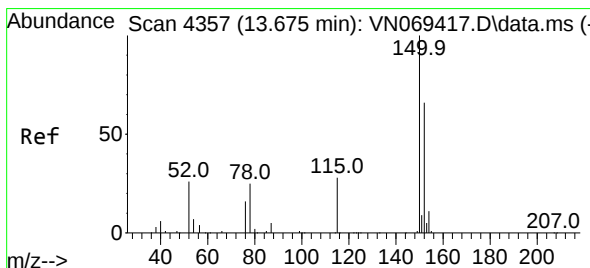
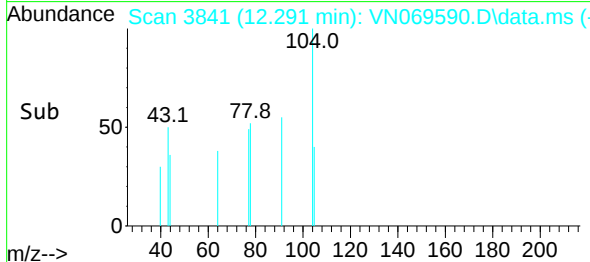
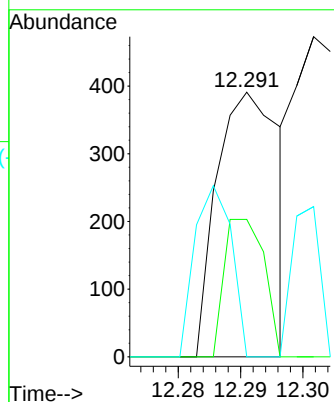


#70
Styrene
Concen: 1.525 ug/l
RT: 12.291 min Scan# 3841
Delta R.T. -0.003 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

Instrument :
MSVOA_N
ClientSampleId :

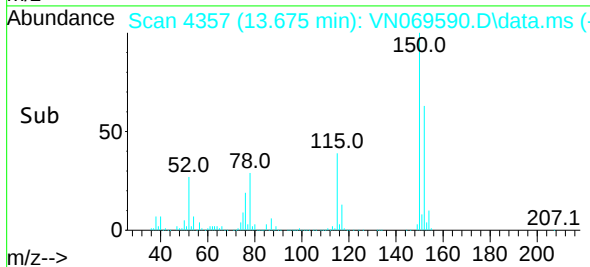
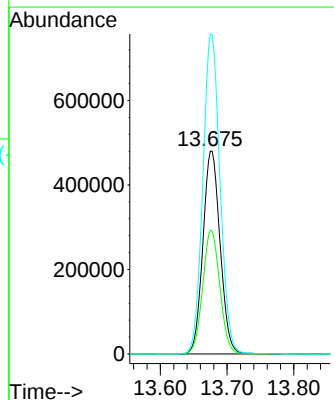
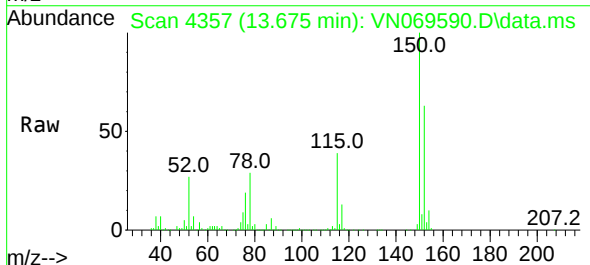


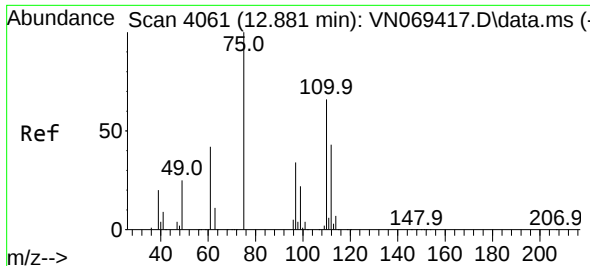
Tgt Ion:104 Resp: 272
Ion Ratio Lower Upper
104 100
78 33.1 38.7 58.1#
103 38.2 45.0 67.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

Tgt Ion:152 Resp: 859392
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 157.4 0.0 344.4

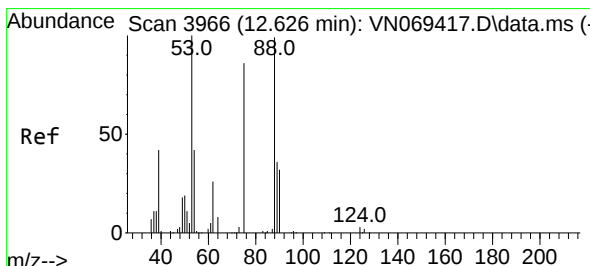
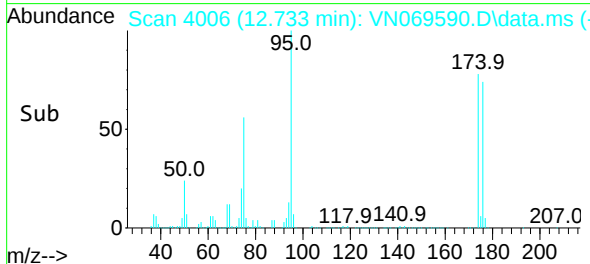
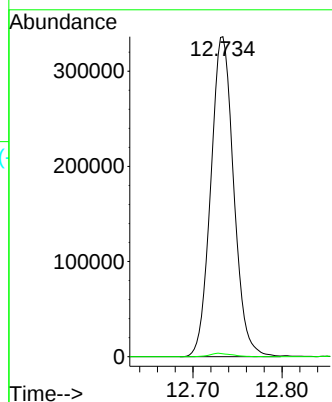
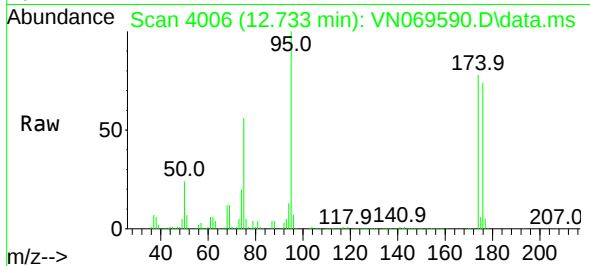




#76
1,2,3-Trichloropropane
Concen: 30.343 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

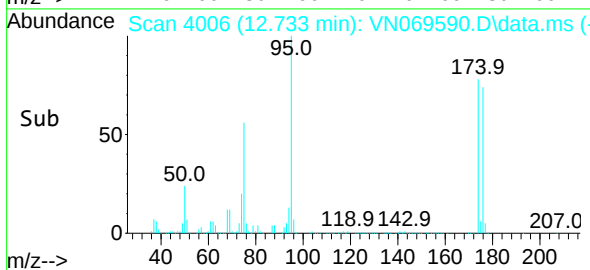
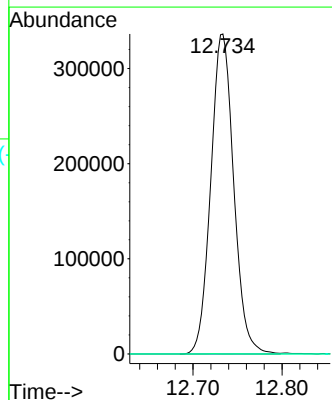
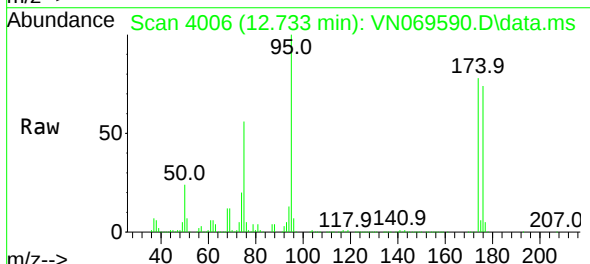
Instrument :
MSVOA_N
ClientSampleId :

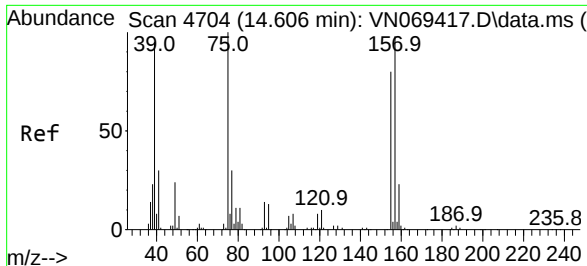
Tgt Ion: 75 Resp: 601778
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.653 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069590.D
Acq: 19 Nov 2021 17:22

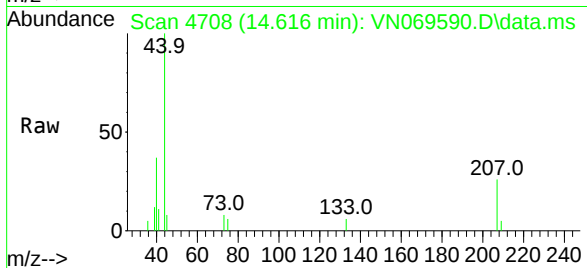
Tgt Ion: 75 Resp: 601778
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



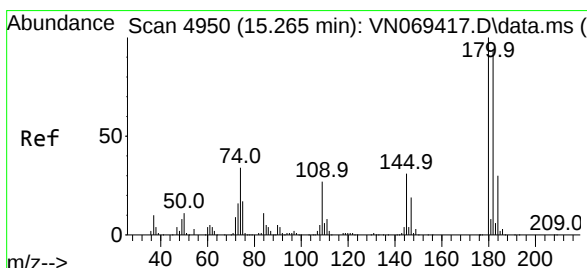
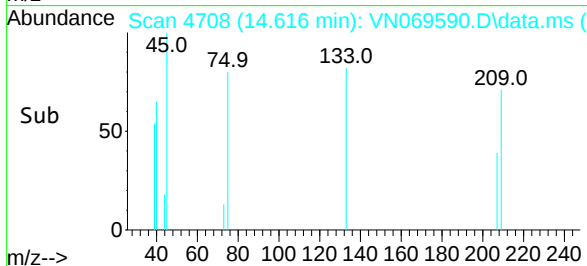
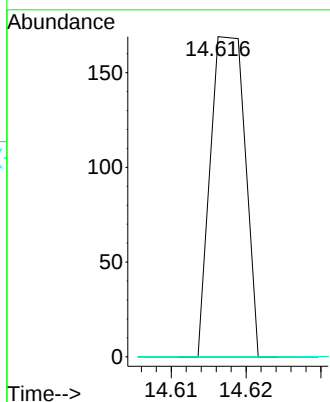


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.809 ug/l
 RT: 14.616 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VN069590.D
 Acq: 19 Nov 2021 17:22

Instrument :
 MSVOA_N
 ClientSampleId :

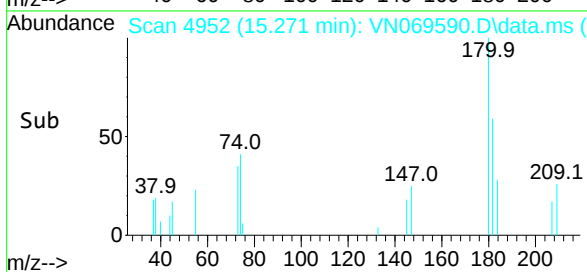
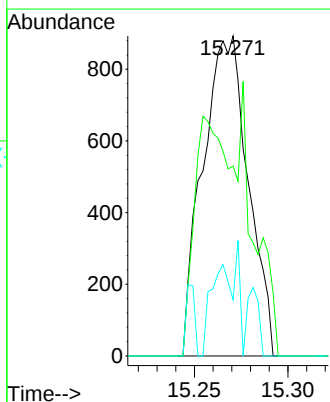
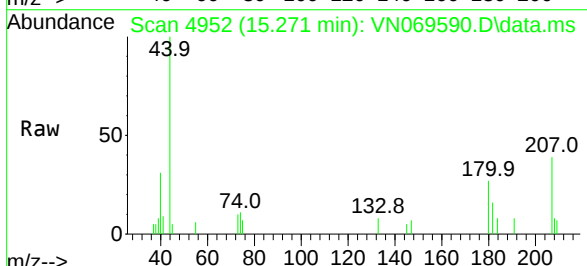


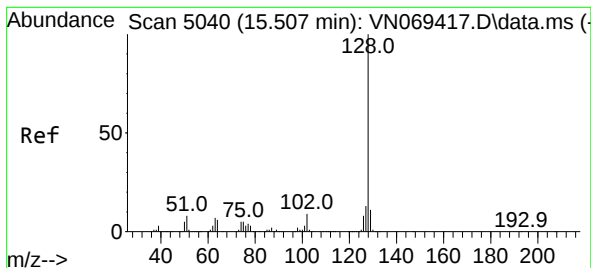
Tgt Ion: 75 Resp: 54
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.9 140.7#
 157 0.0 60.6 181.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.218 ug/l
 RT: 15.271 min Scan# 4952
 Delta R.T. 0.006 min
 Lab File: VN069590.D
 Acq: 19 Nov 2021 17:22

Tgt Ion: 180 Resp: 1504
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.3 144.9#
 145 16.4 14.5 43.5





#95

Naphthalene

Concen: 4.597 ug/l

RT: 15.512 min Scan# 5040

Delta R.T. 0.005 min

Lab File: VN069590.D

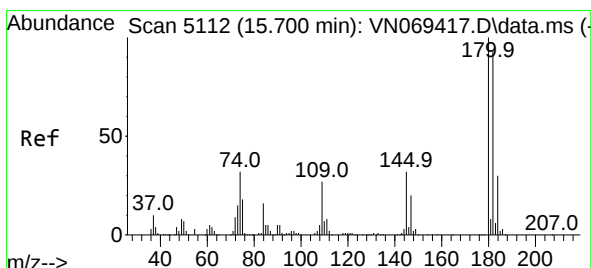
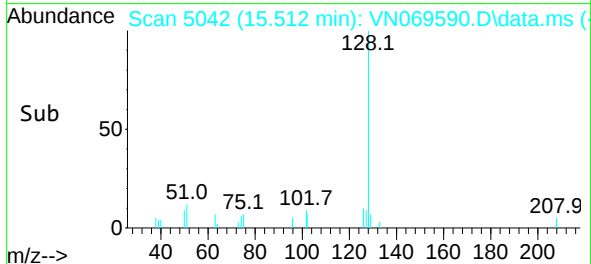
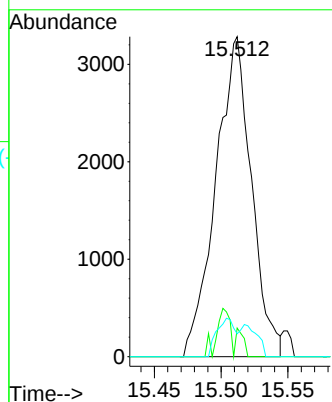
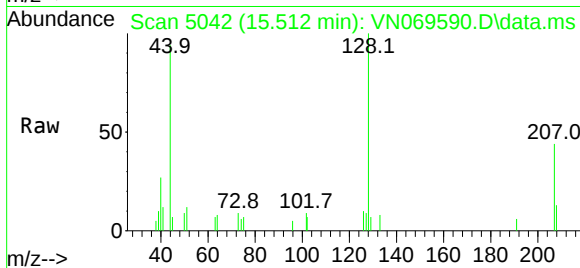
Acq: 19 Nov 2021 17:22

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	6094
Ion Ratio	Lower	Upper
128	100	
127	1.9	10.5 15.7#
129	0.0	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 3.280 ug/l

RT: 15.705 min Scan# 5114

Delta R.T. 0.005 min

Lab File: VN069590.D

Acq: 19 Nov 2021 17:22

Tgt Ion:180	Resp:	1522
Ion Ratio	Lower	Upper
180	100	
182	73.1	47.4 142.2
145	26.9	15.0 45.1

