

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069738.D
 Acq On : 4 Dec 2021 00:34
 Operator : JC/MD
 Sample : M4922-13 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:39:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

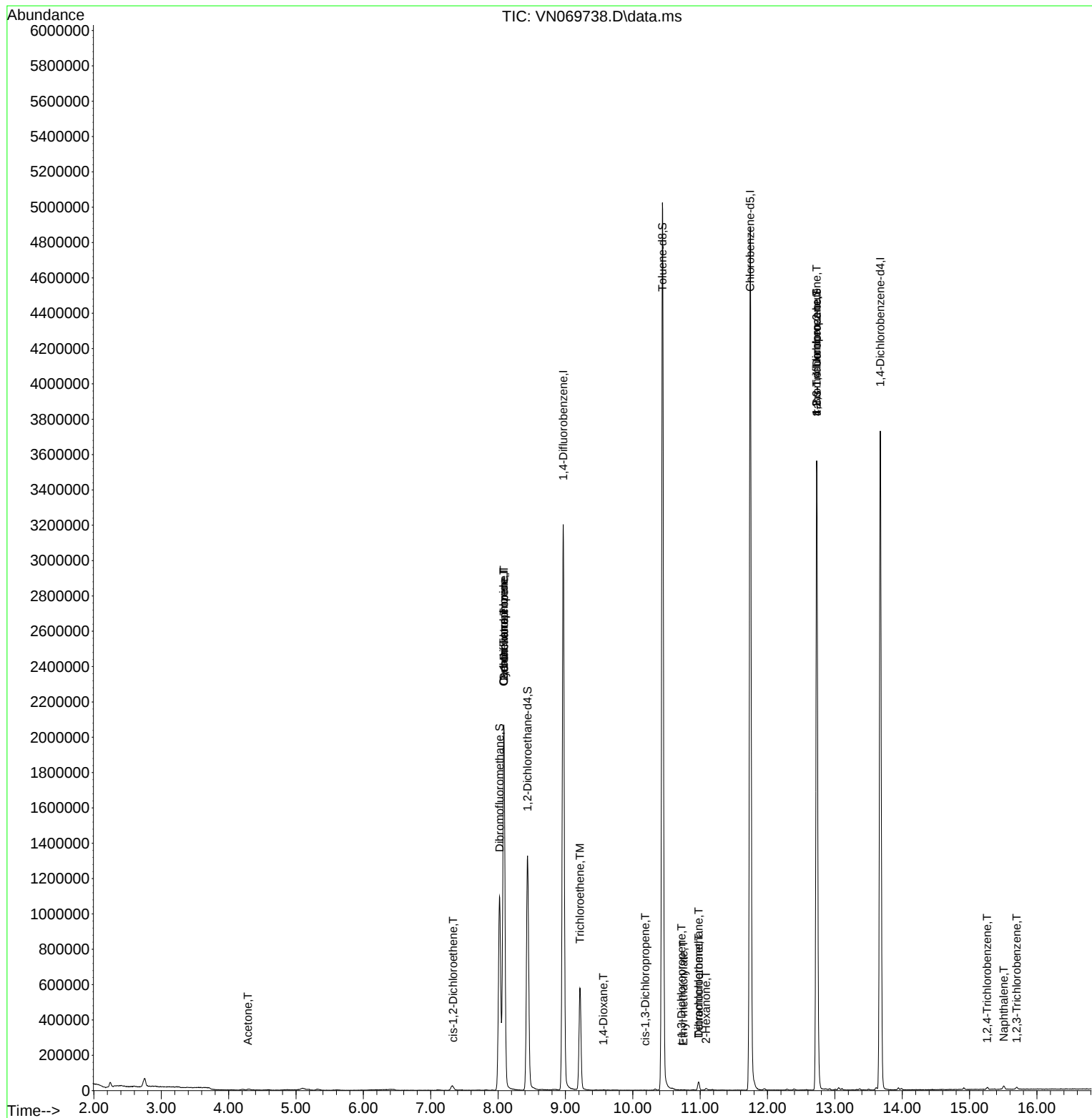
Internal Standards						
1) Pentafluorobenzene	8.086	168	1539421	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	2667103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2716959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1013093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1163911	48.968	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.940%
35) Dibromofluoromethane	8.021	113	792583	47.443	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.880%
50) Toluene-d8	10.440	98	3425999	51.073	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.140%
62) 4-Bromofluorobenzene	12.731	95	1254015	51.601	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.200%
Target Compounds						
					Qvalue	
16) Acetone	4.285	43	3180	0.222	ug/l	# 88
27) cis-1,2-Dichloroethene	7.332	96	3904	0.203	ug/l	85
31) Cyclohexane	8.088	56	40138	1.213	ug/l	# 31
36) 1,1-Dichloropropene	8.086	75	132874	5.233	ug/l	# 49
38) Carbon Tetrachloride	8.083	117	161332	6.480	ug/l	# 16
44) Trichloroethene	9.215	130	202634	10.939	ug/l	89
49) 1,4-Dioxane	9.561	88	304	0.649	ug/l	# 1
53) t-1,3-Dichloropropene	10.722	75	308	2.803	ug/l	# 43
54) cis-1,3-Dichloropropene	10.186	75	234	2.006	ug/l	# 43
56) Ethyl methacrylate	10.751	69	228	2.285	ug/l	# 1
59) 2-Hexanone	11.087	43	8998	0.328	ug/l	78
60) Dibromochloromethane	10.979	129	10184	2.850	ug/l	# 11
64) Tetrachloroethene	10.979	164	10447	0.567	ug/l	90
76) 1,2,3-Trichloropropane	12.731	75	697112	23.994	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	697112	76.213	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.263	180	4206	3.116	ug/l	82
95) Naphthalene	15.507	128	16943	4.300	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	4307	2.689	ug/l	# 57

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

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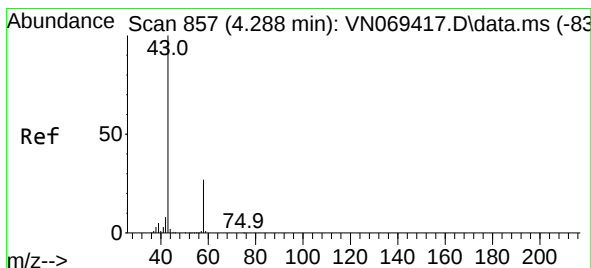
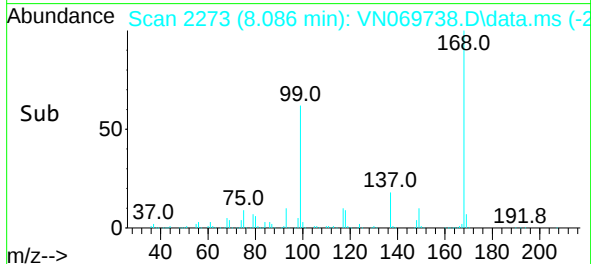
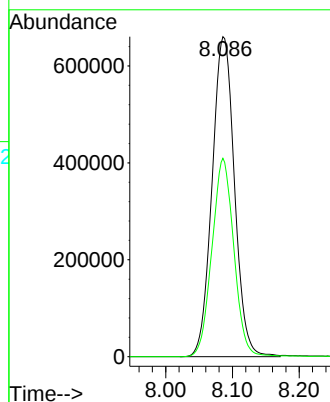
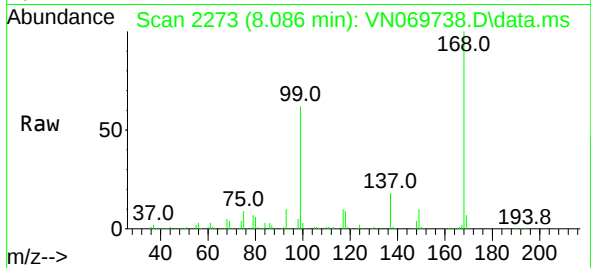




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

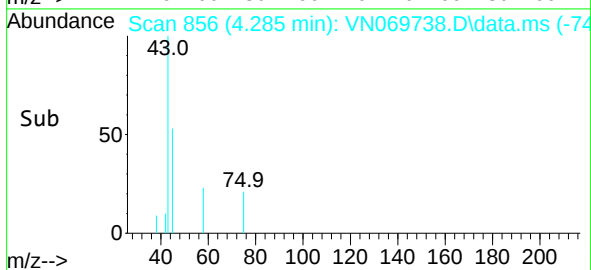
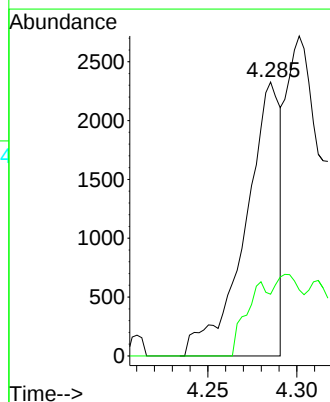
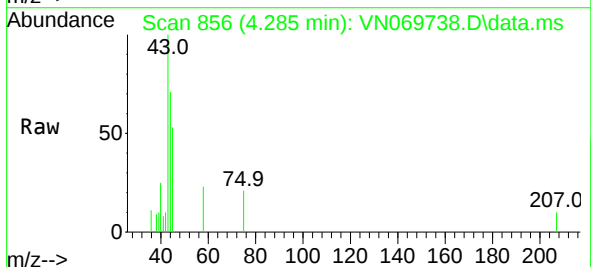
Instrument :
MSVOA_N
ClientSampleId :

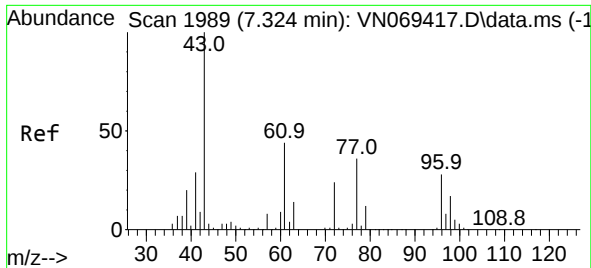
Tgt Ion:168 Resp: 1539421
Ion Ratio Lower Upper
168 100
99 62.0 41.3 61.9#



#16
Acetone
Concen: 0.222 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.005 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

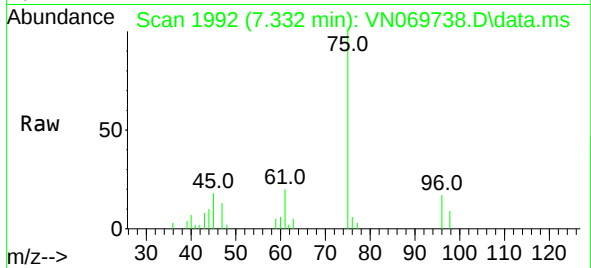
Tgt Ion: 43 Resp: 3180
Ion Ratio Lower Upper
43 100
58 22.5 23.1 34.7#





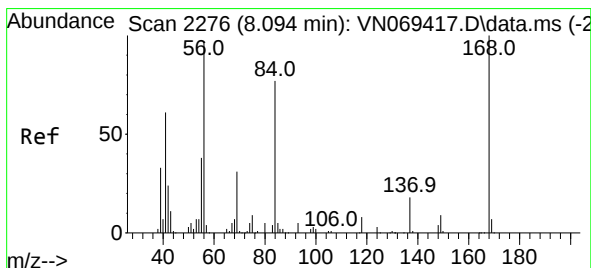
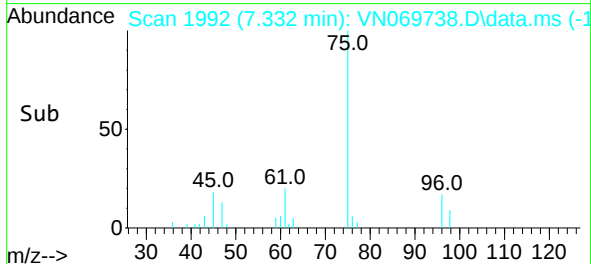
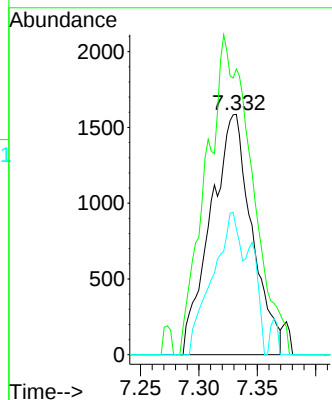
#27
 cis-1,2-Dichloroethene
 Concen: 0.203 ug/l
 RT: 7.332 min Scan# 1989
 Delta R.T. 0.005 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 96 Resp: 3904

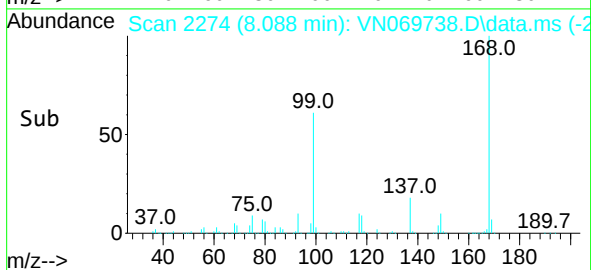
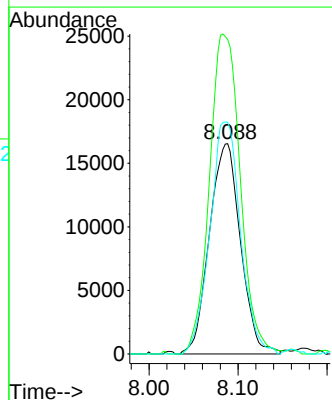
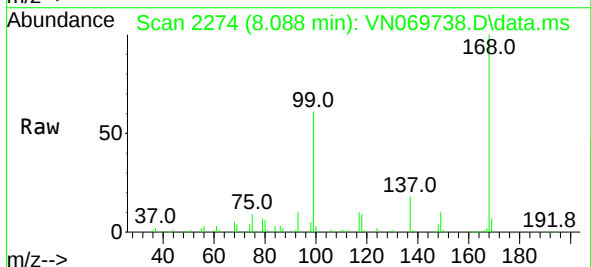
Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	275.0
98	40.1	0.0	129.6

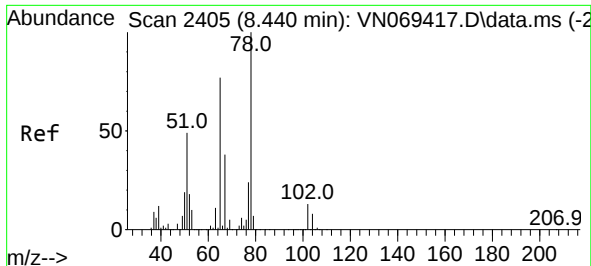


#31
 Cyclohexane
 Concen: 1.213 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.005 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

Tgt Ion: 56 Resp: 40138

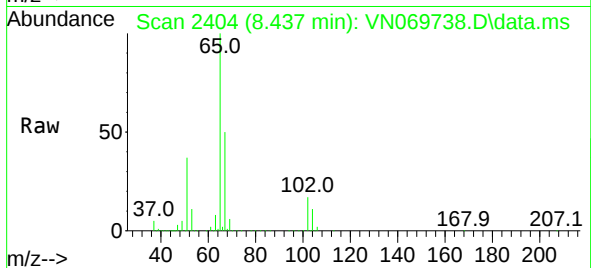
Ion	Ratio	Lower	Upper
56	100		
69	149.6	27.1	40.7#
84	110.3	73.4	110.0#





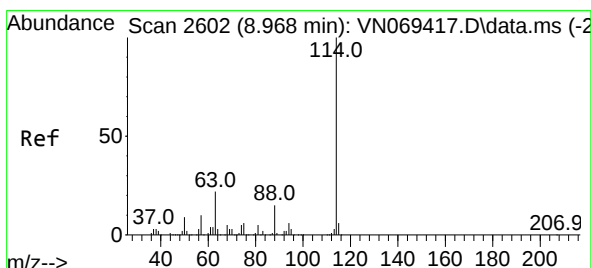
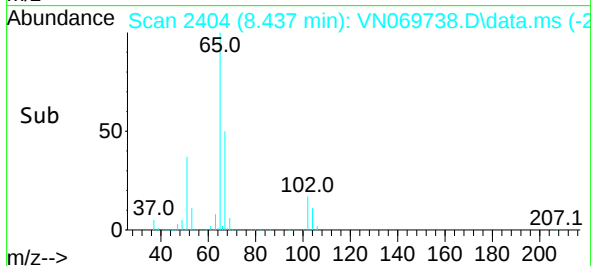
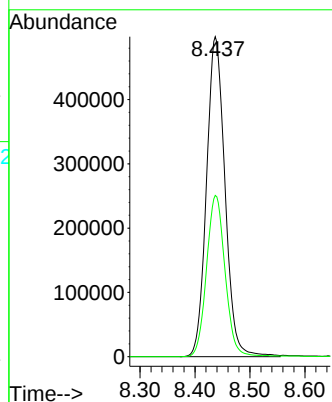
#33
 1,2-Dichloroethane-d4
 Concen: 48.968 ug/l
 RT: 8.437 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 65 Resp: 1163911

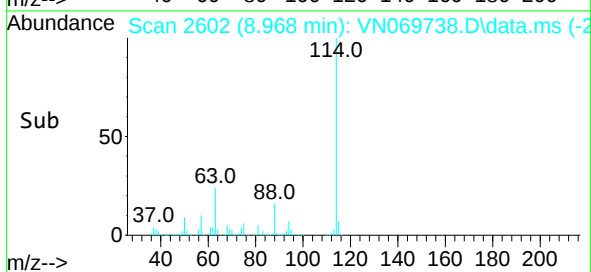
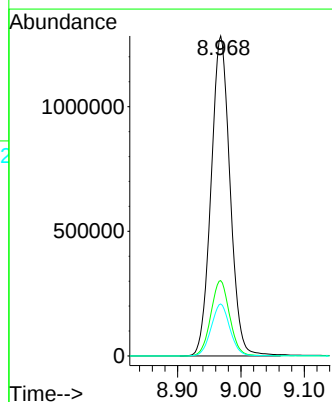
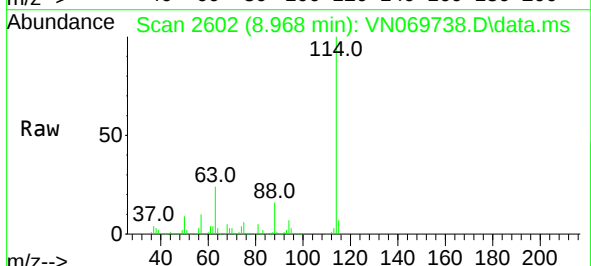
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	103.0

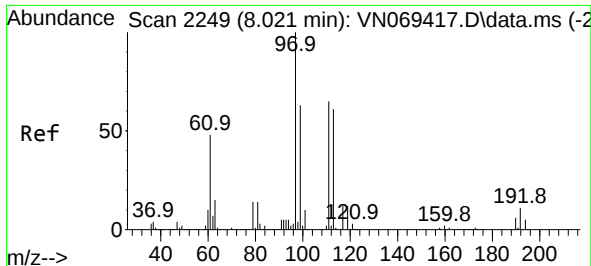


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

Tgt Ion: 114 Resp: 2667103

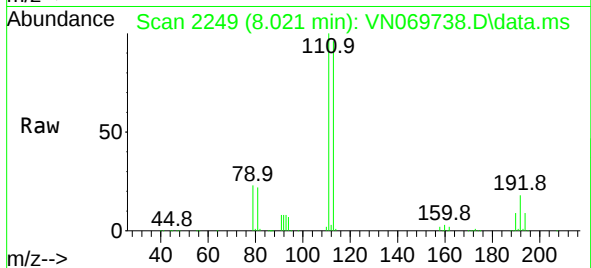
Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	37.8
88	16.3	0.0	27.4



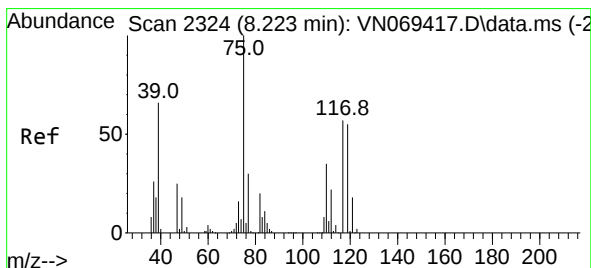
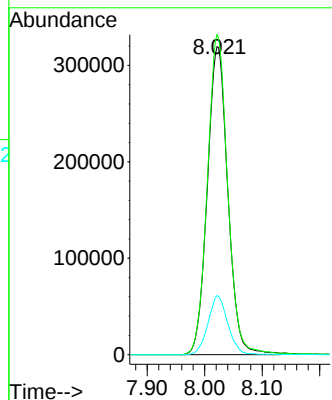
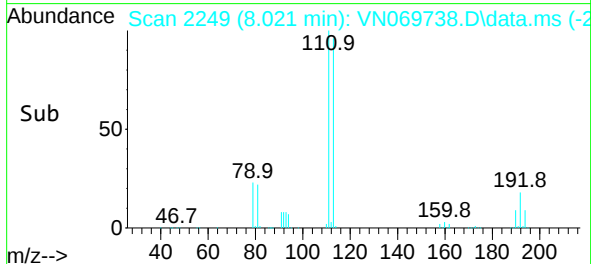


#35
Dibromofluoromethane
Concen: 47.443 ug/l
RT: 8.021 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Instrument :
MSVOA_N
ClientSampleId :

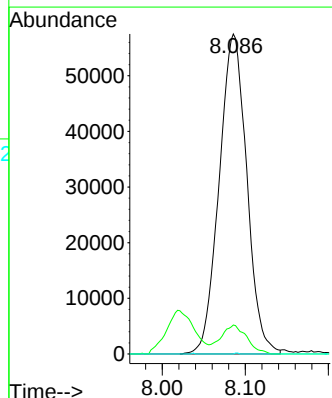
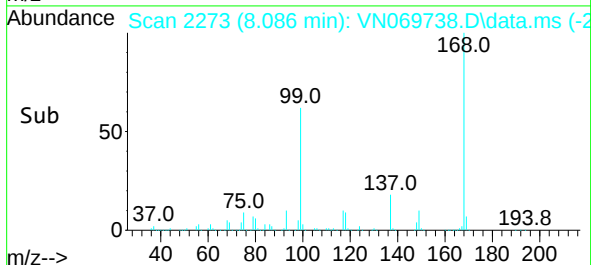
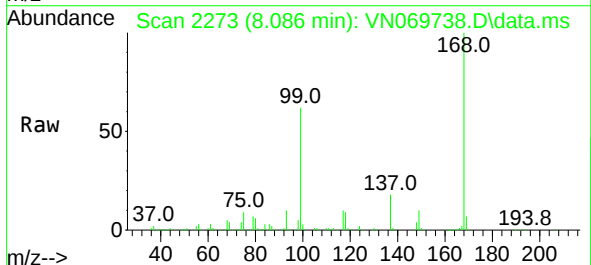


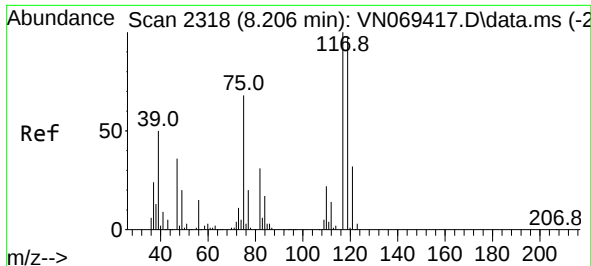
Tgt Ion:113 Resp: 792583
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.233 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

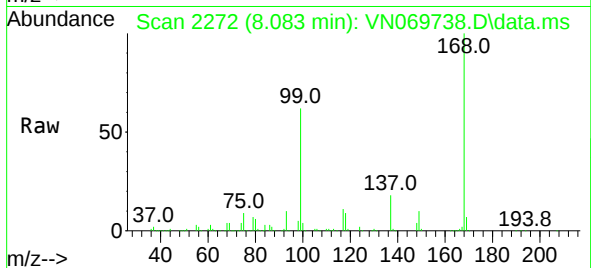
Tgt Ion: 75 Resp: 132874
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



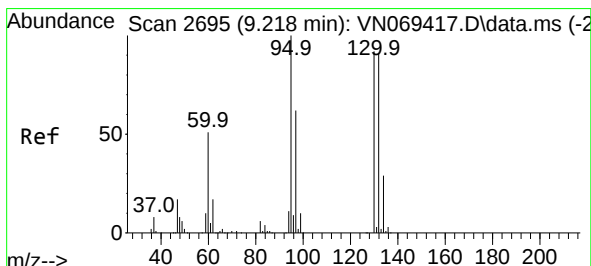
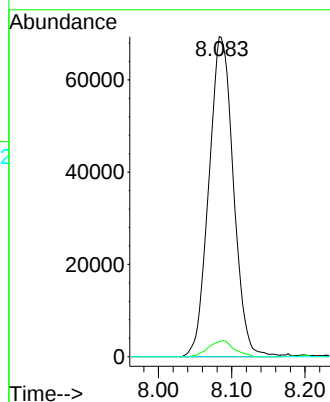
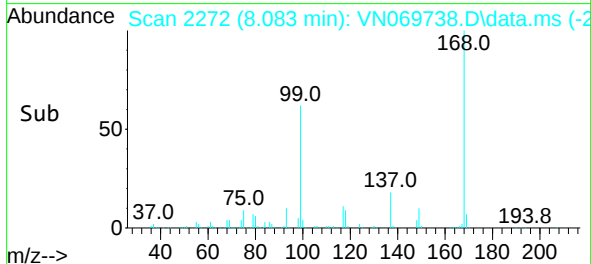


#38
Carbon Tetrachloride
Concen: 6.480 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Instrument :
MSVOA_N
ClientSampleId :

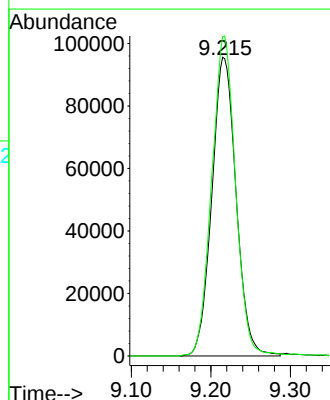
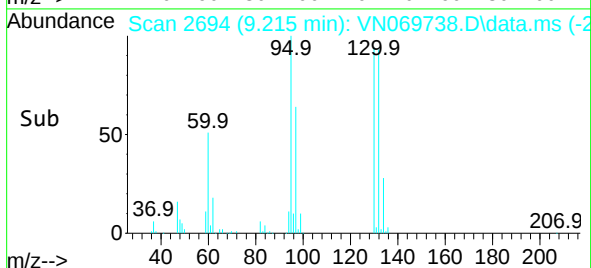
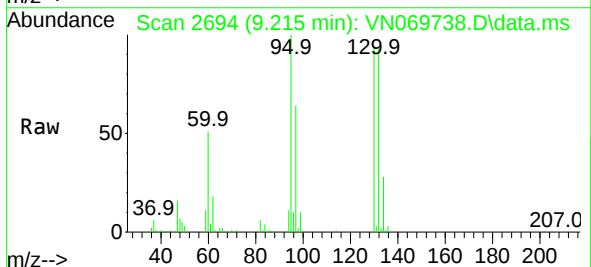


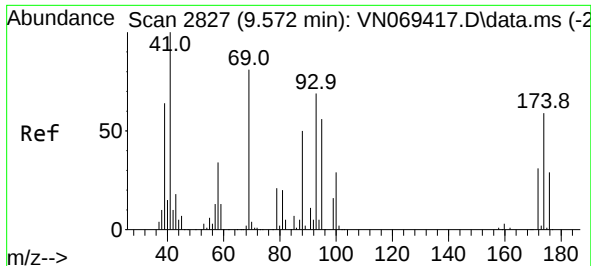
Tgt Ion:117 Resp: 161332
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 10.939 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.002 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

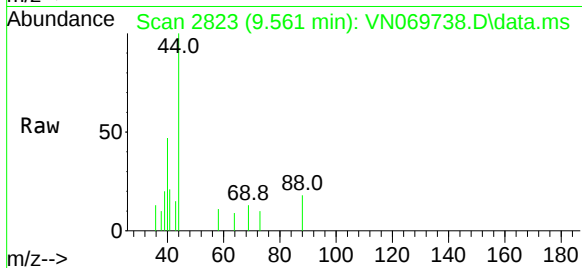
Tgt Ion:130 Resp: 202634
Ion Ratio Lower Upper
130 100
95 106.8 0.0 191.2



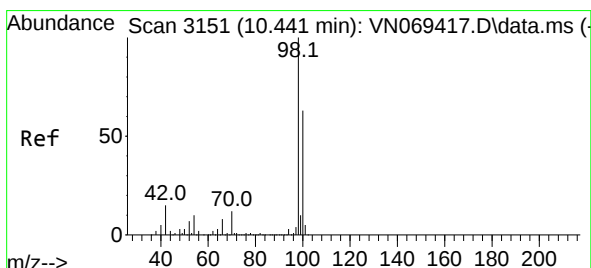
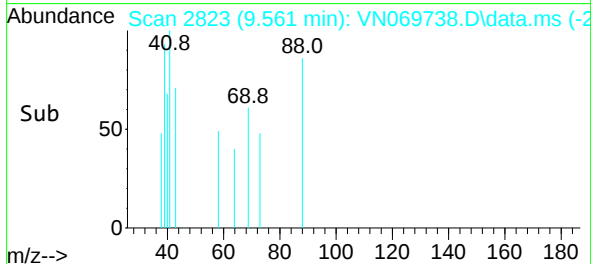
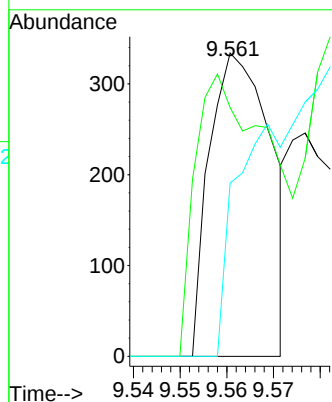


#49
1,4-Dioxane
Concen: 0.649 ug/l
RT: 9.561 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Instrument :
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ClientSampleId :

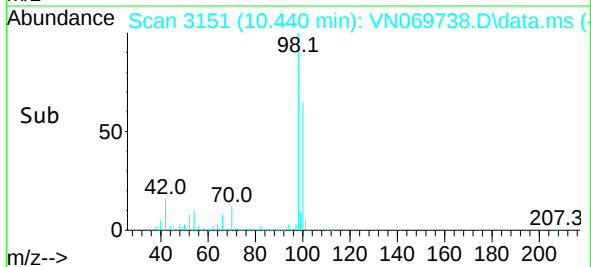
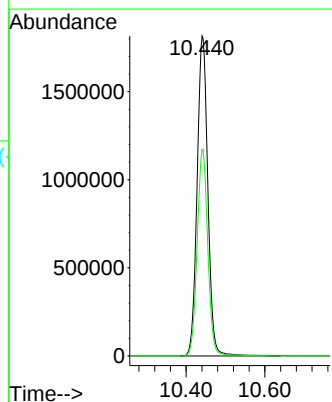
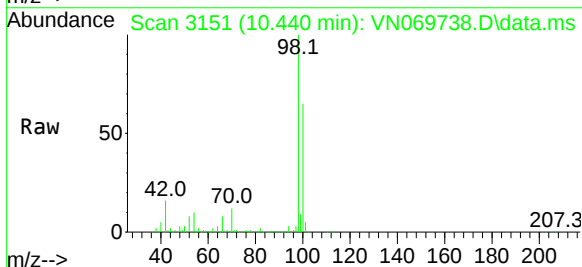


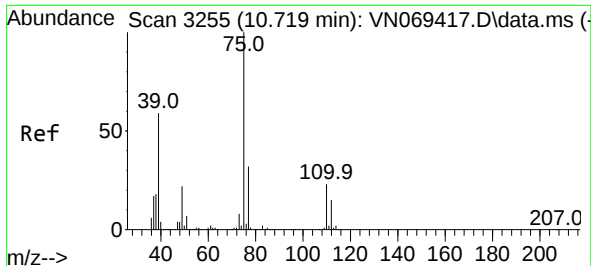
Tgt Ion: 88 Resp: 304
Ion Ratio Lower Upper
88 100
43 116.8 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 51.073 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

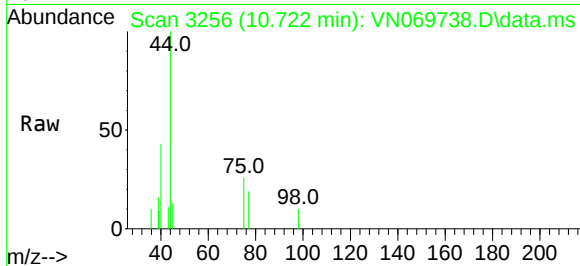
Tgt Ion: 98 Resp: 3425999
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



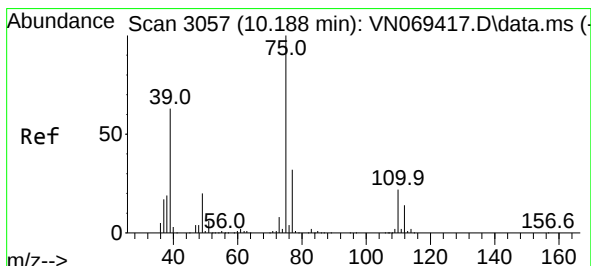
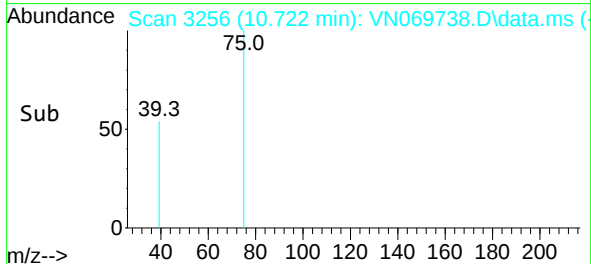
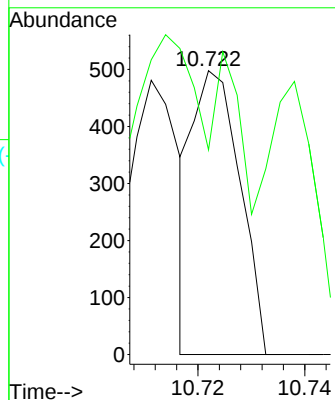


#53
 t-1,3-Dichloropropene
 Concen: 2.803 ug/l
 RT: 10.722 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

Instrument :
 MSVOA_N
 ClientSampleId :

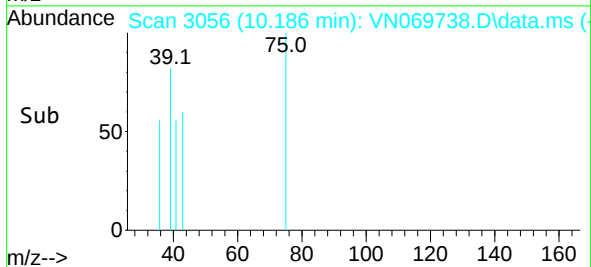
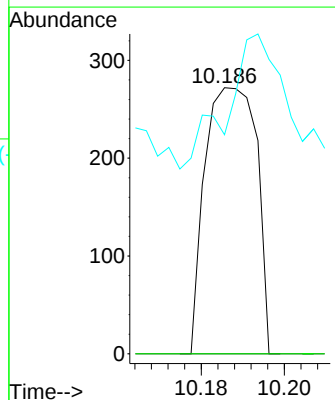
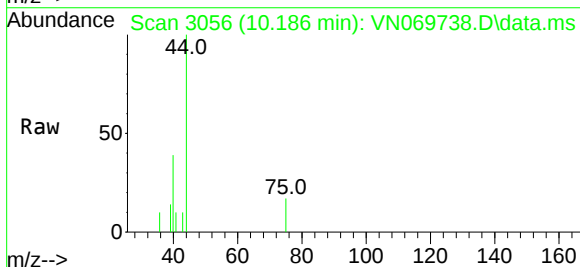


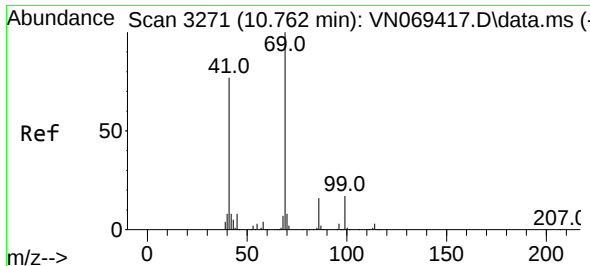
Tgt Ion: 75 Resp: 308
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 2.006 ug/l
 RT: 10.186 min Scan# 3056
 Delta R.T. -0.005 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

Tgt Ion: 75 Resp: 234
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 12.9 42.5 63.7#

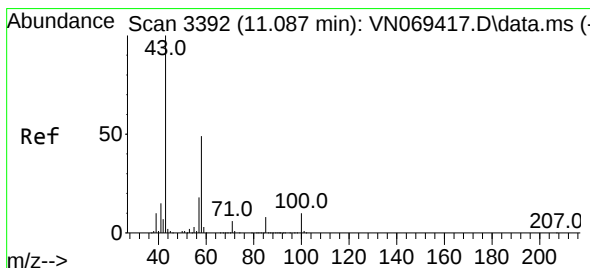
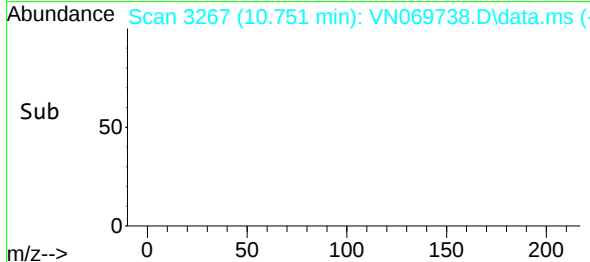
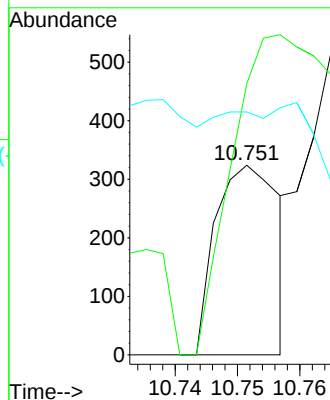
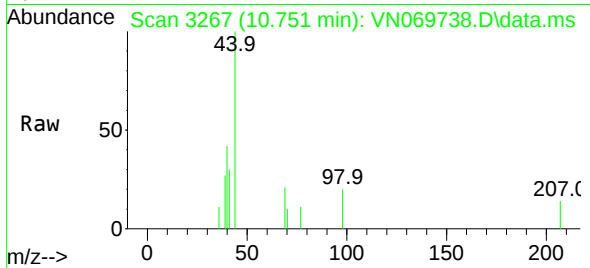




#56
Ethyl methacrylate
Concen: 2.285 ug/l
RT: 10.751 min Scan# 31
Delta R.T. -0.011 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

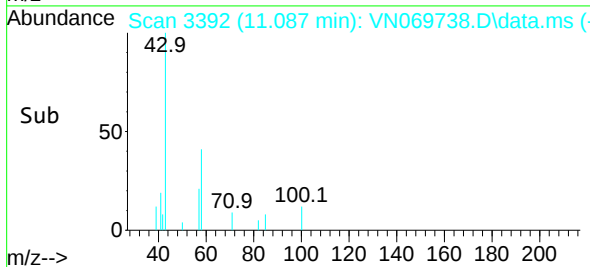
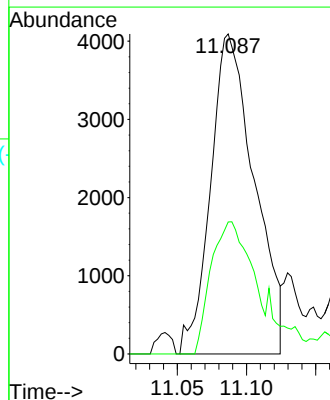
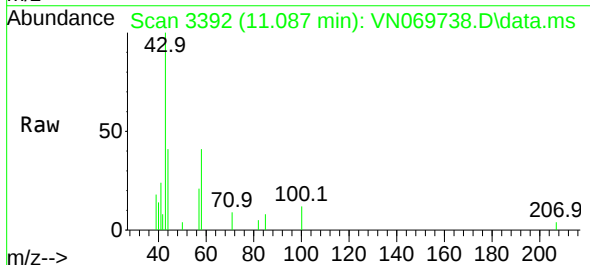
Instrument :
MSVOA_N
ClientSampleId :

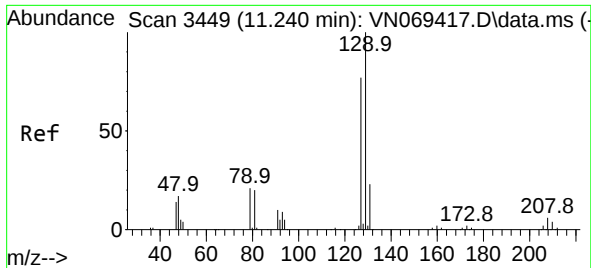
Tgt Ion: 69 Resp: 228
Ion Ratio Lower Upper
69 100
41 316.7 51.4 77.0#
39 0.0 34.6 52.0#



#59
2-Hexanone
Concen: 0.328 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Tgt Ion: 43 Resp: 8998
Ion Ratio Lower Upper
43 100
58 38.2 26.9 80.7

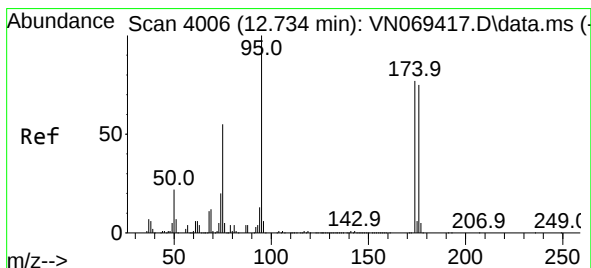
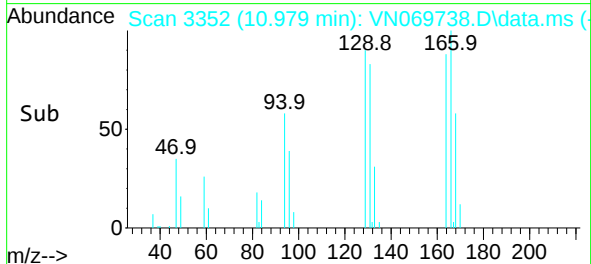
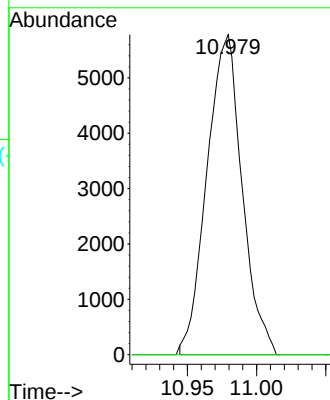
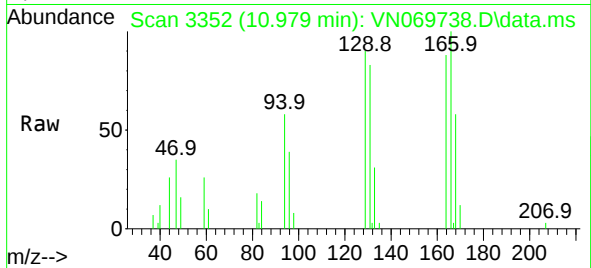




#60
Dibromochloromethane
Concen: 2.850 ug/l
RT: 10.979 min Scan# 31
Delta R.T. -0.261 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

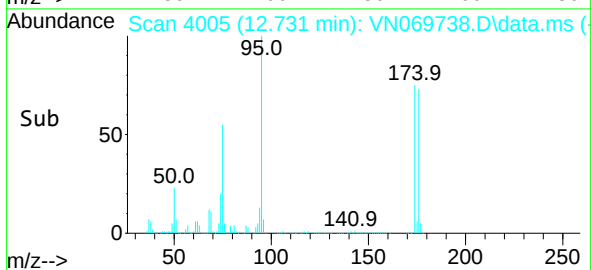
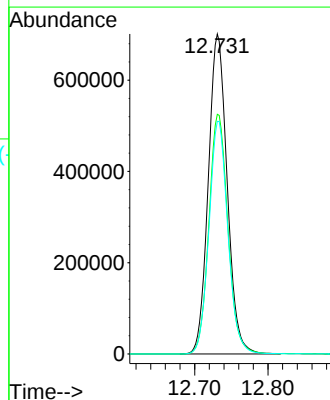
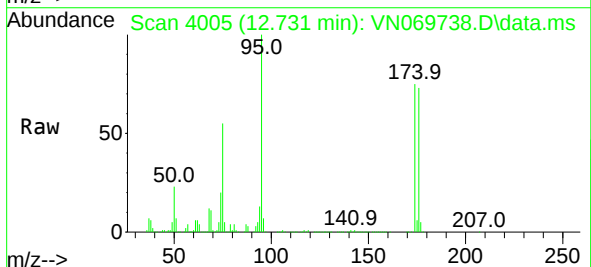
Instrument :
MSVOA_N
ClientSampleId :

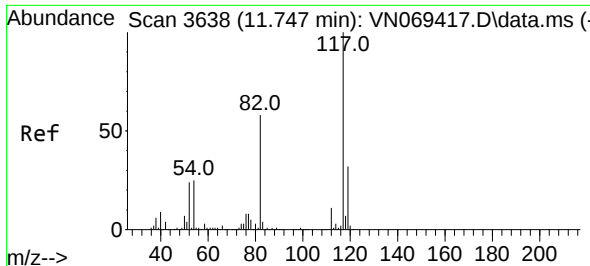
Tgt Ion:129 Resp: 10184
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 51.601 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

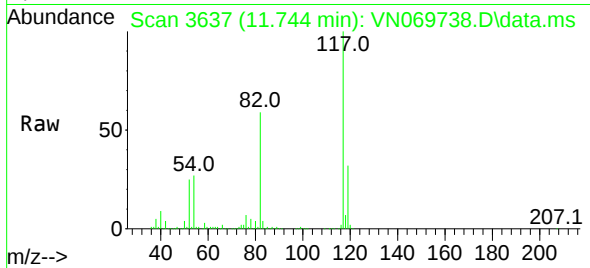
Tgt Ion: 95 Resp: 1254015
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 72.9 0.0 181.4



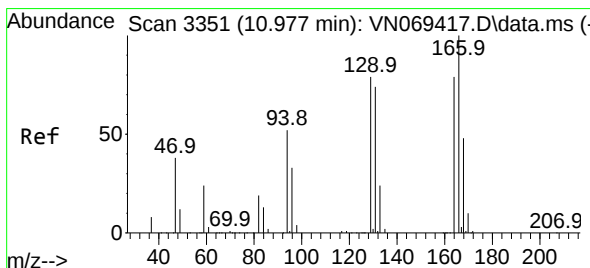
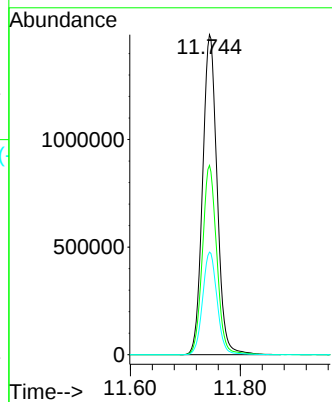
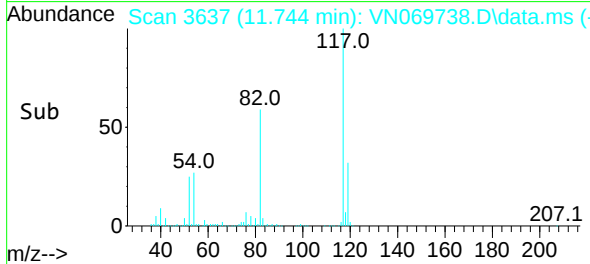


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Instrument :
MSVOA_N
ClientSampleId :

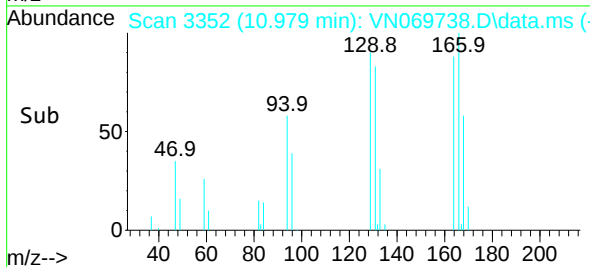
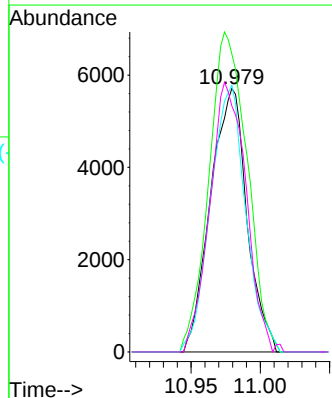
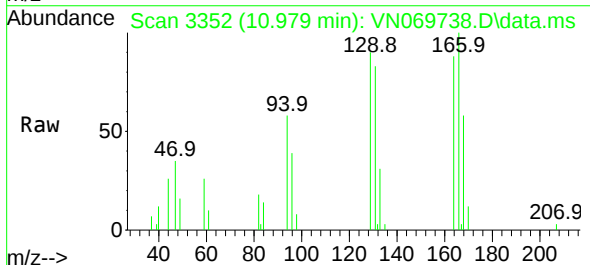


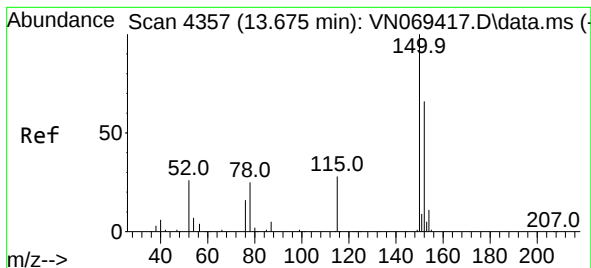
Tgt Ion:117 Resp: 2716959
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 0.567 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Tgt Ion:164 Resp: 10447
Ion Ratio Lower Upper
164 100
166 113.1 101.9 152.9
129 101.3 72.0 108.0
131 93.4 70.9 106.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 41

Delta R.T. -0.003 min

Lab File: VN069738.D

Acq: 4 Dec 2021 00:34

Instrument :

MSVOA_N

ClientSampleId :

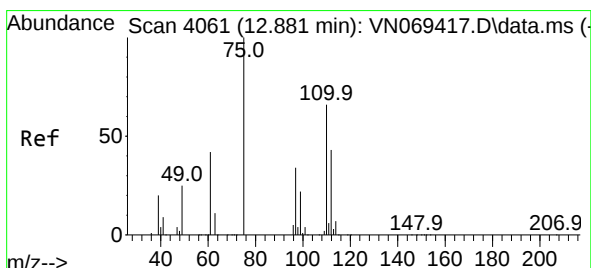
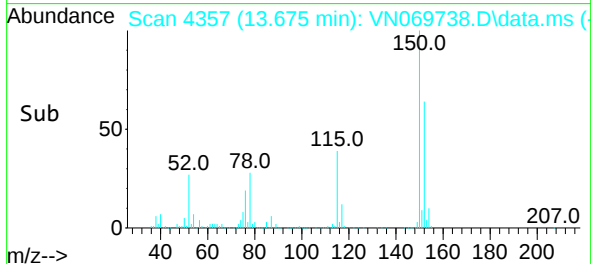
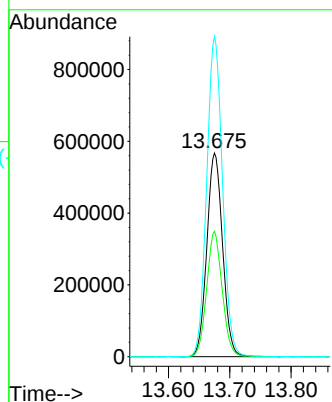
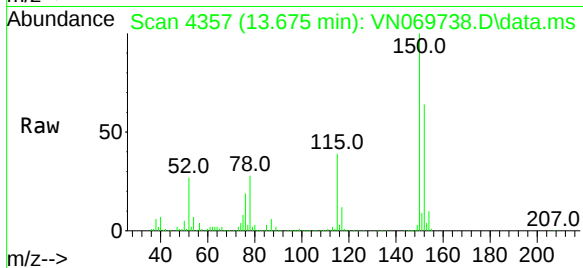
Tgt Ion:152 Resp: 1013093

Ion Ratio Lower Upper

152 100

115 60.3 27.5 82.5

150 157.4 0.0 344.4



#76

1,2,3-Trichloropropane

Concen: 23.994 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN069738.D

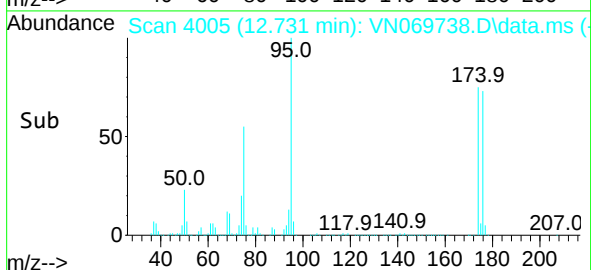
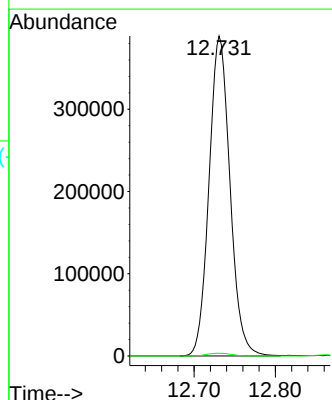
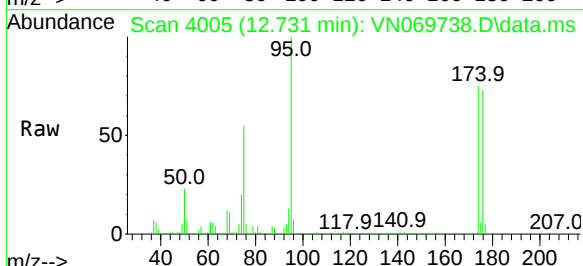
Acq: 4 Dec 2021 00:34

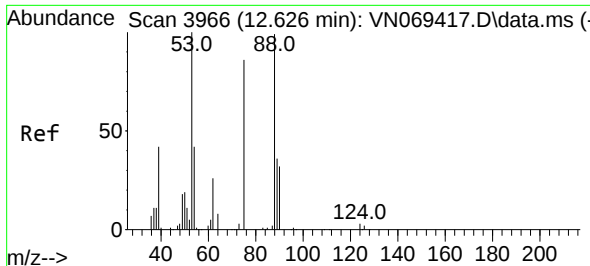
Tgt Ion: 75 Resp: 697112

Ion Ratio Lower Upper

75 100

77 1.0 82.6 247.8#

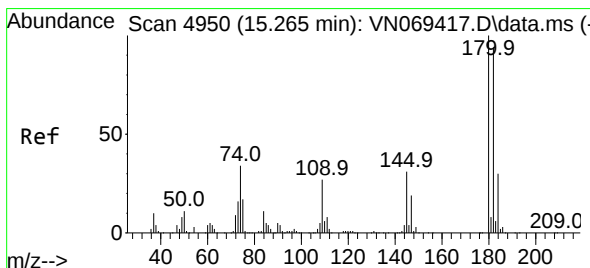
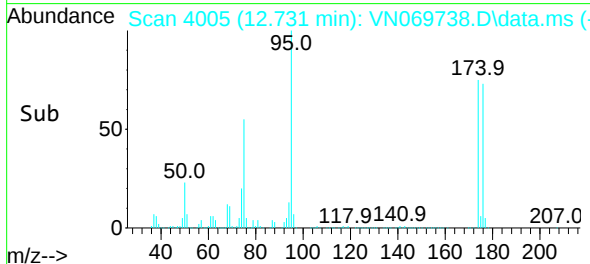
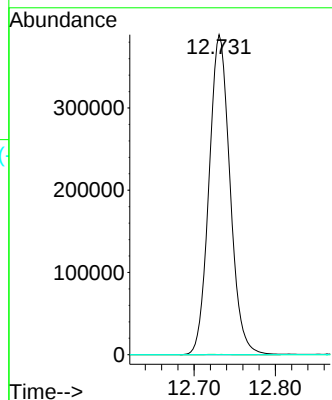
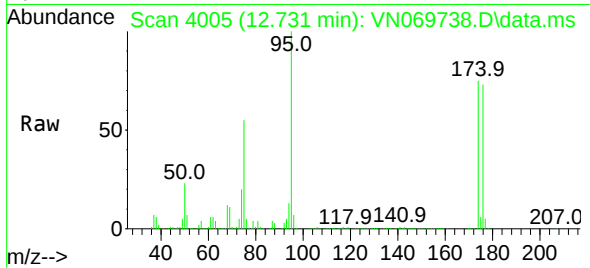




#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.213 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.105 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

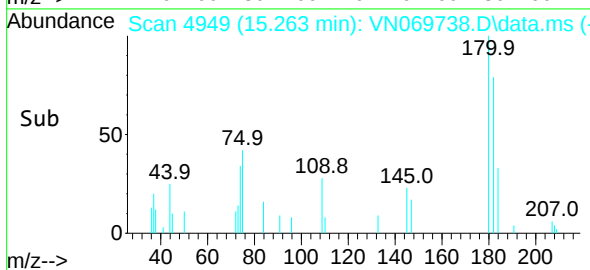
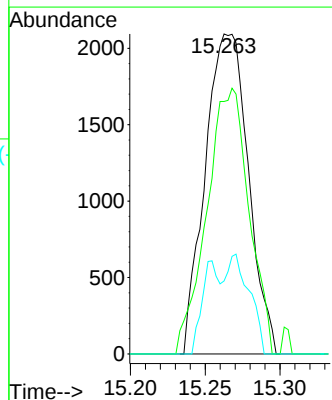
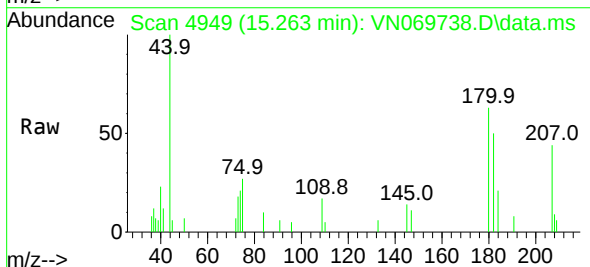
Instrument :
 MSVOA_N
 ClientSampleId :

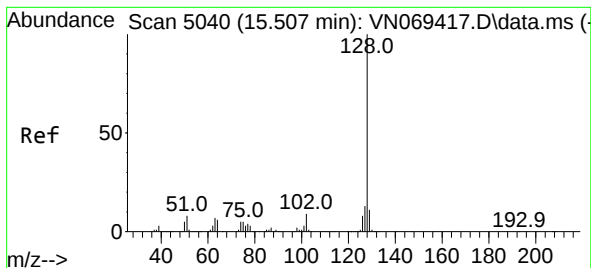
Tgt Ion: 75 Resp: 697112
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.116 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.002 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

Tgt Ion: 180 Resp: 4206
 Ion Ratio Lower Upper
 180 100
 182 81.1 48.3 144.9
 145 15.8 14.5 43.5





#95

Naphthalene

Concen: 4.300 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN069738.D

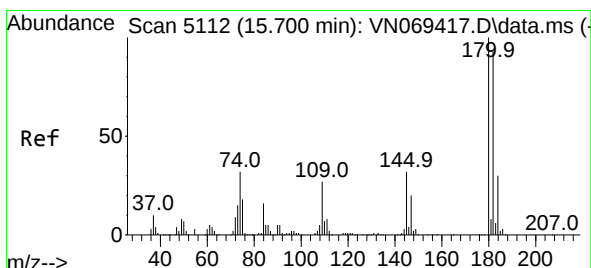
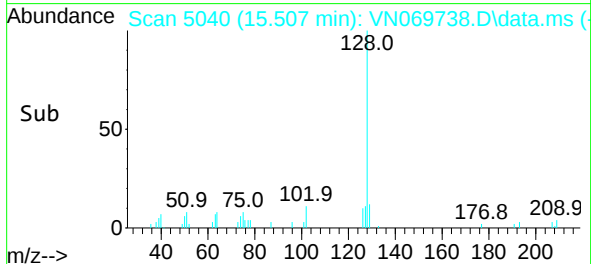
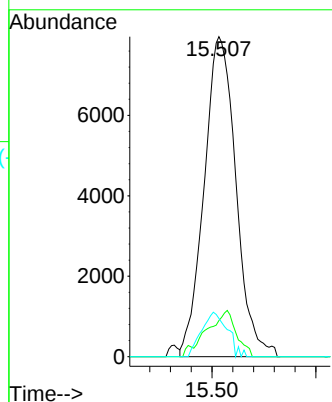
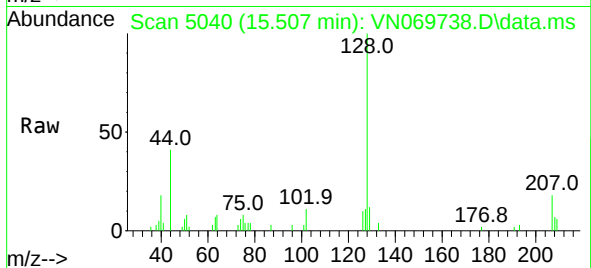
Acq: 4 Dec 2021 00:34

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	16943
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.3	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 2.689 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.002 min

Lab File: VN069738.D

Acq: 4 Dec 2021 00:34

Tgt Ion:	180	Resp:	4307
Ion Ratio	Lower	Upper	
180	100		
182	42.1	47.4	142.2#
145	25.1	15.0	45.1

