

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
 Data File : VN069553.D
 Acq On : 18 Nov 2021 15:17
 Operator : JC/MD
 Sample : M4740-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 03:18:39 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)

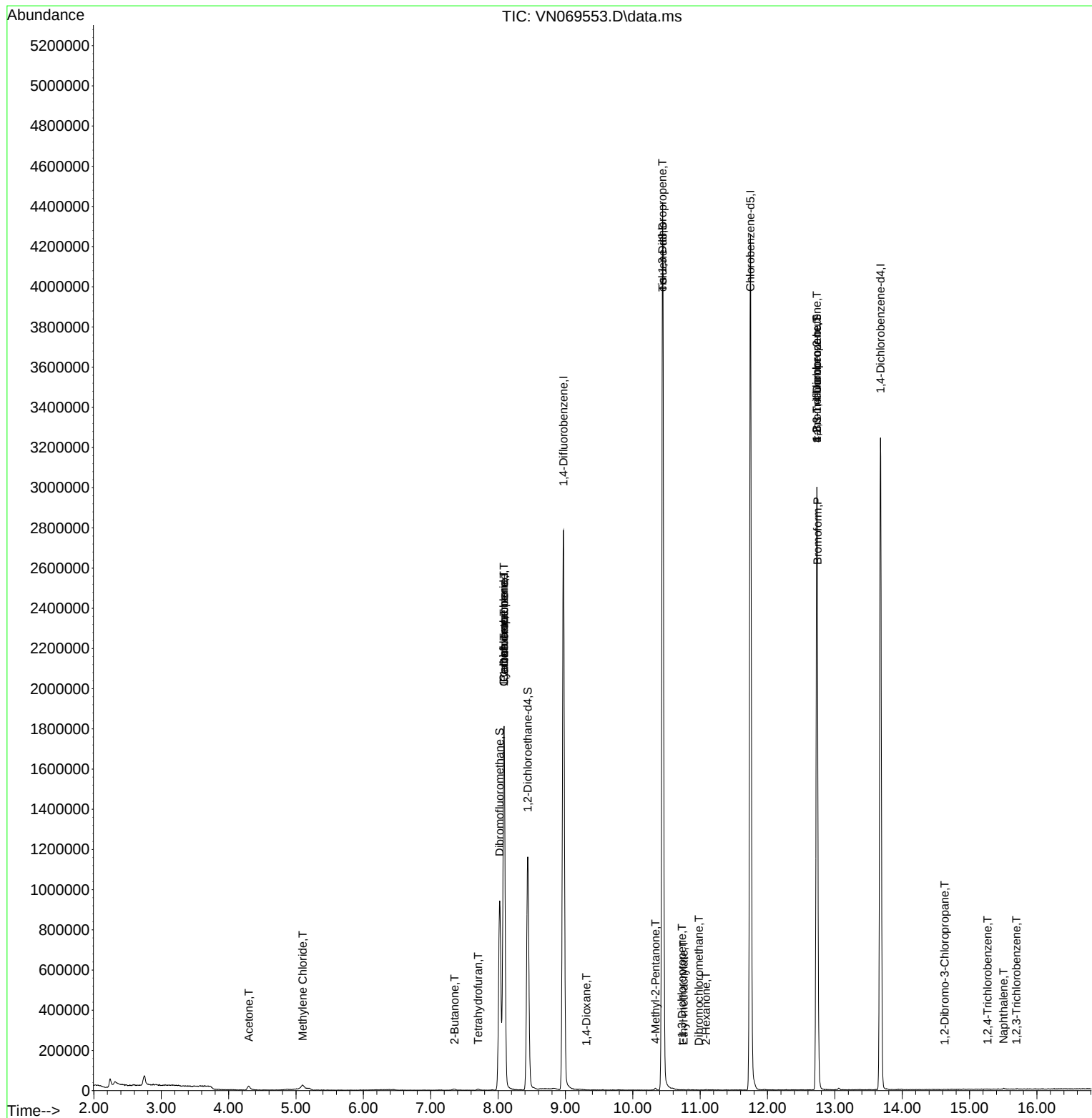
Internal Standards						
1) Pentafluorobenzene	8.088	168	1349178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2363749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2356048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	867319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1001617	51.201	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.400%	
35) Dibromofluoromethane	8.024	113	680712	48.016	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.040%	
50) Toluene-d8	10.443	98	3002495	53.850	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.700%	
62) 4-Bromofluorobenzene	12.734	95	1050133	51.268	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.540%	
Target Compounds						
					Qvalue	
13) Acrolein	4.041	56	621	Below Cal		86
16) Acetone	4.299	43	33968	3.218	ug/l	95
20) Methylene Chloride	5.098	84	12144	0.811	ug/l	90
25) 2-Butanone	7.354	43	9089	0.636	ug/l #	89
29) Tetrahydrofuran	7.702	42	4476	0.510	ug/l #	54
31) Cyclohexane	8.086	56	35901	1.343	ug/l #	29
36) 1,1-Dichloropropene	8.086	75	115652	5.815	ug/l #	49
38) Carbon Tetrachloride	8.088	117	141836	7.386	ug/l #	16
49) 1,4-Dioxane	9.309	88	52	39.183	ug/l #	1
51) 4-Methyl-2-Pentanone	10.339	43	7596	0.273	ug/l	88
53) t-1,3-Dichloropropene	10.730	75	25	2.638	ug/l #	1
54) cis-1,3-Dichloropropene	10.441	75	807	1.762	ug/l #	1
56) Ethyl methacrylate	10.754	69	83	2.056	ug/l #	1
59) 2-Hexanone	11.087	43	1950	8.022	ug/l #	53
60) Dibromochloromethane	10.982	129	26	2.419	ug/l #	11
71) Bromoform	12.742	173	952	3.495	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	598767	29.915	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	598767	84.527	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	14.630	75	83	1.815	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.268	180	365	3.138	ug/l #	50
95) Naphthalene	15.504	128	2852	4.519	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.694	180	297	3.191	ug/l #	41

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

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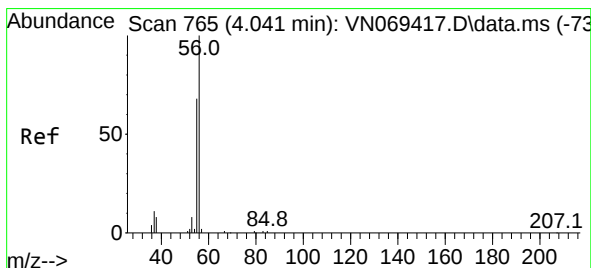
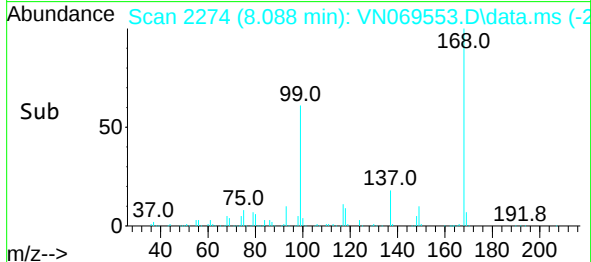
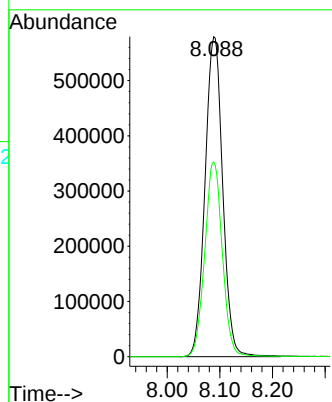
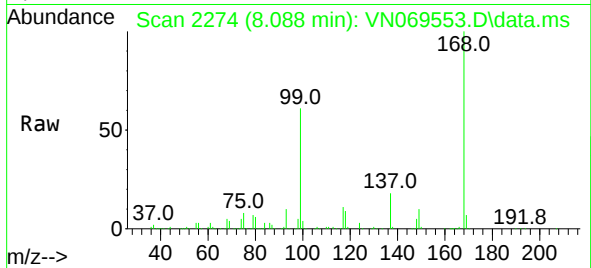




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

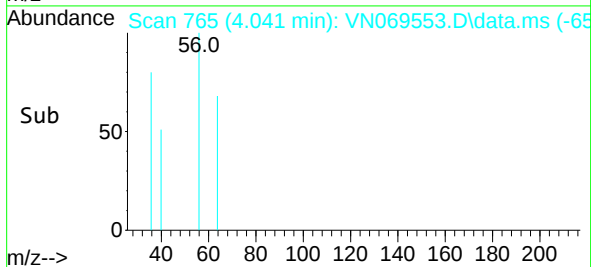
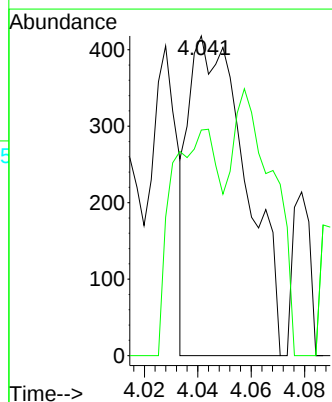
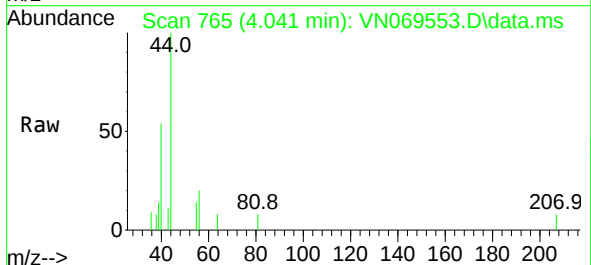
Instrument :
MSVOA_N
ClientSampleId :

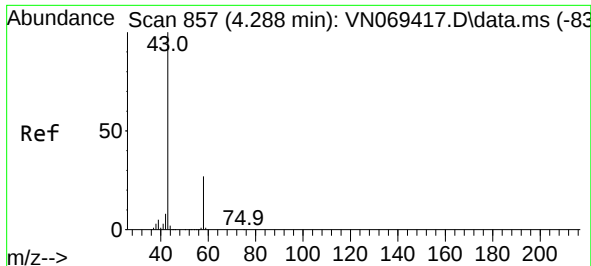
Tgt Ion:168 Resp: 1349178
Ion Ratio Lower Upper
168 100
99 60.8 41.3 61.9



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

Tgt Ion: 56 Resp: 621
Ion Ratio Lower Upper
56 100
55 59.1 56.6 85.0

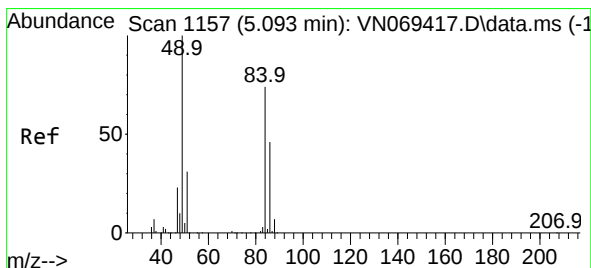
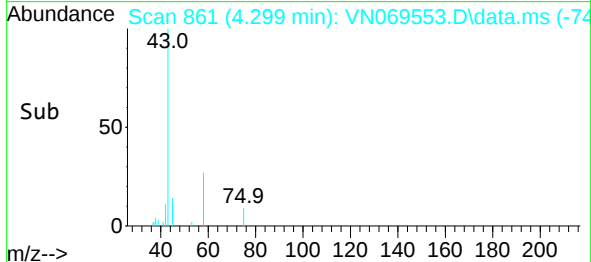
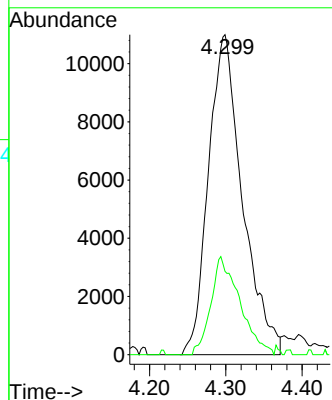
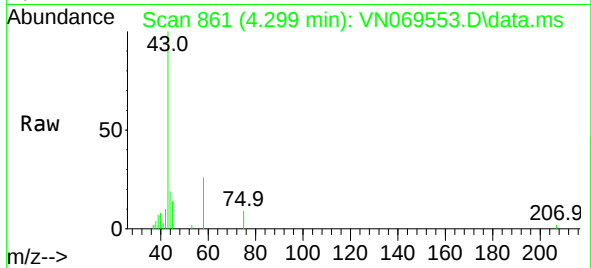




#16
Acetone
Concen: 3.218 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

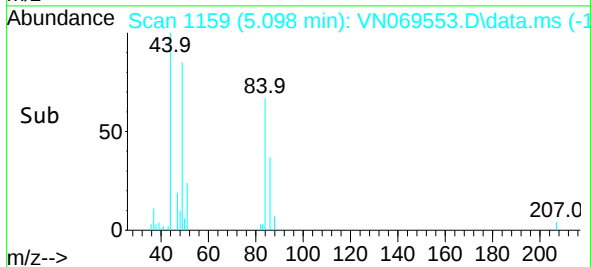
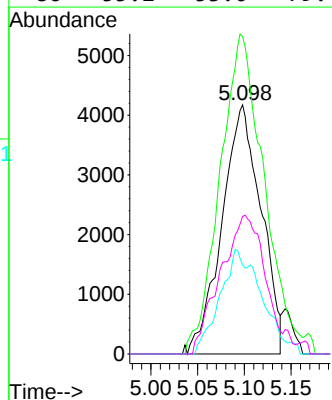
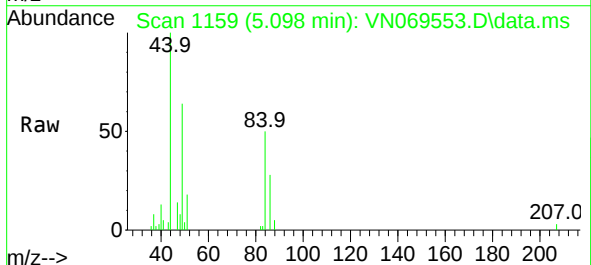
Instrument :
MSVOA_N
ClientSampleId :

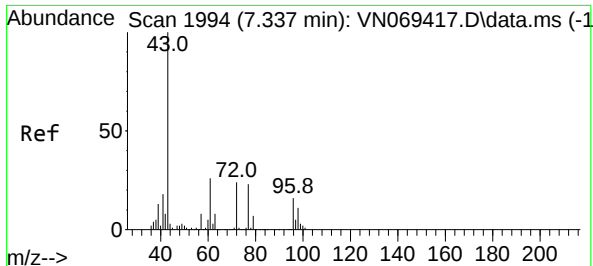
Tgt Ion: 43 Resp: 33968
Ion Ratio Lower Upper
43 100
58 26.1 23.1 34.7



#20
Methylene Chloride
Concen: 0.811 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

Tgt Ion: 84 Resp: 12144
Ion Ratio Lower Upper
84 100
49 127.4 93.5 140.3
51 35.8 29.4 44.2
86 55.2 53.0 79.4





#25

2-Butanone

Concen: 0.636 ug/l

RT: 7.354 min Scan# 20

Delta R.T. 0.017 min

Lab File: VN069553.D

Acq: 18 Nov 2021 15:17

Instrument :

MSVOA_N

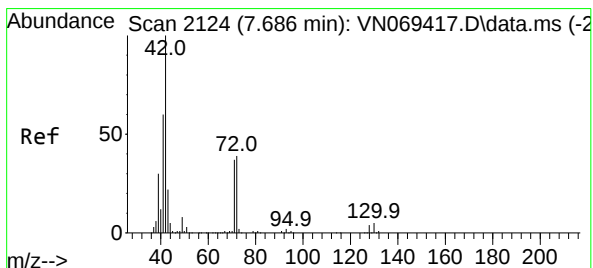
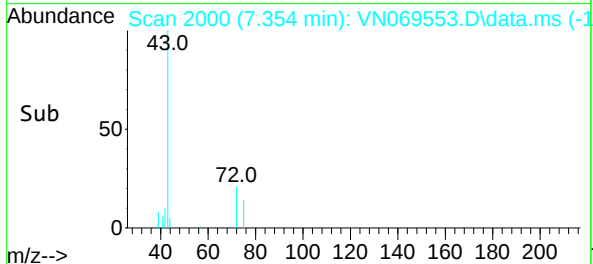
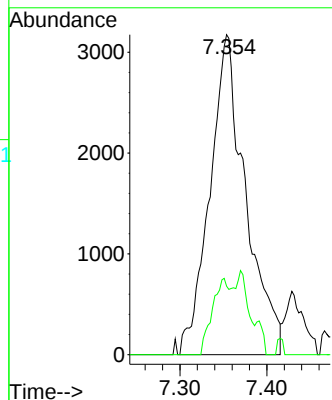
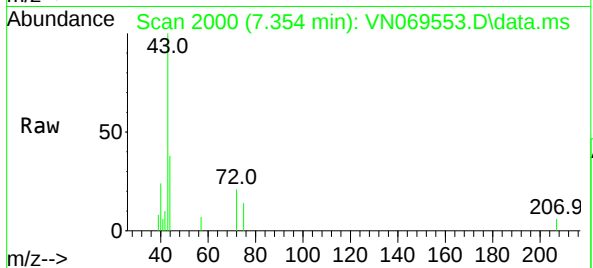
ClientSampleId :

Tgt Ion: 43 Resp: 9089

Ion Ratio Lower Upper

43 100

72 21.4 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.510 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.016 min

Lab File: VN069553.D

Acq: 18 Nov 2021 15:17

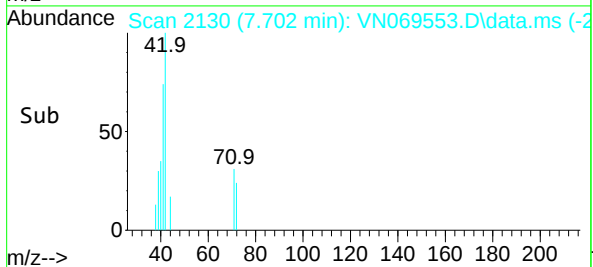
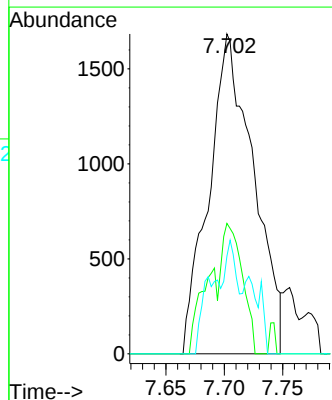
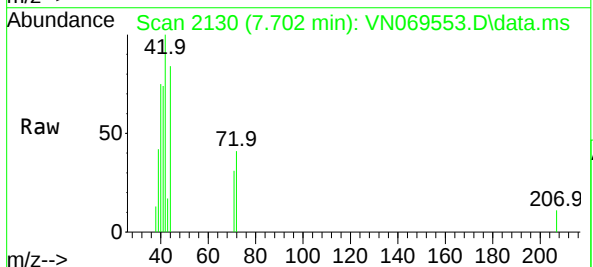
Tgt Ion: 42 Resp: 4476

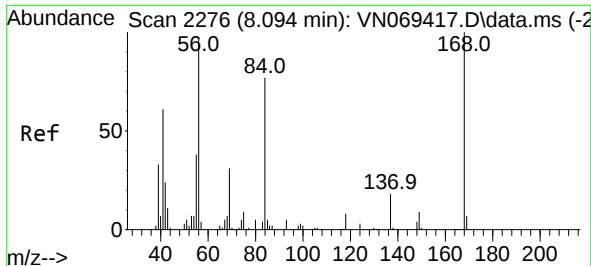
Ion Ratio Lower Upper

42 100

72 19.0 36.3 54.5#

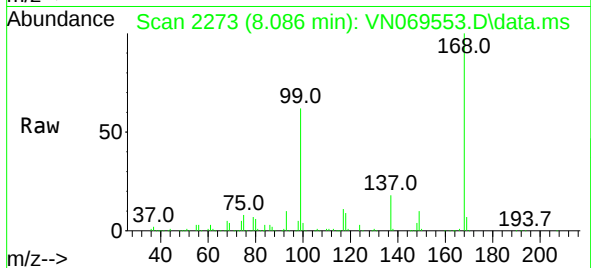
71 9.8 34.7 52.1#



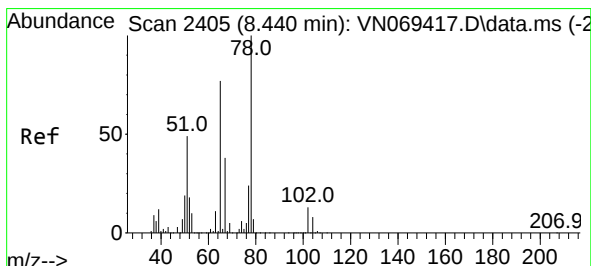
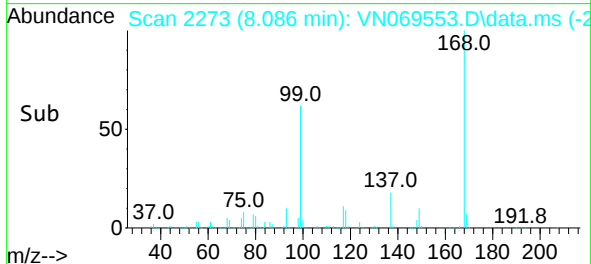
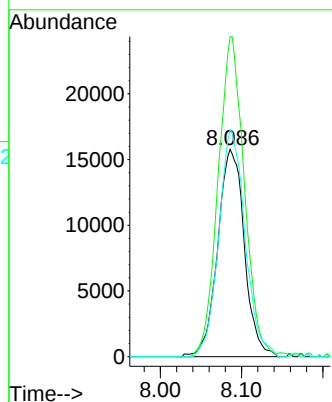


#31
Cyclohexane
Concen: 1.343 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

Instrument :
MSVOA_N
ClientSampleId :

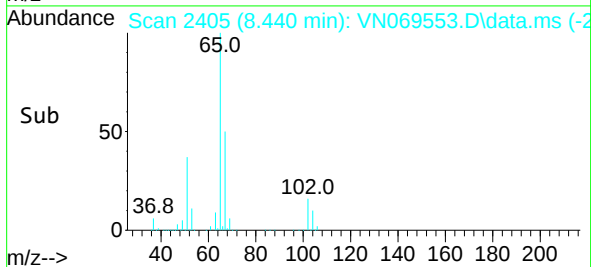
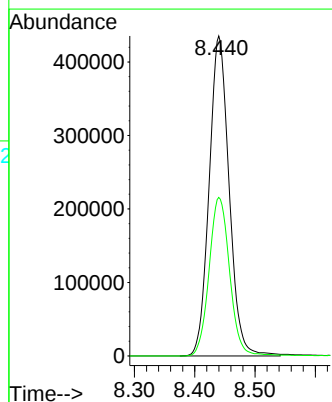
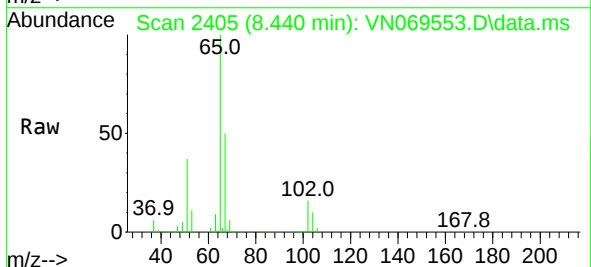


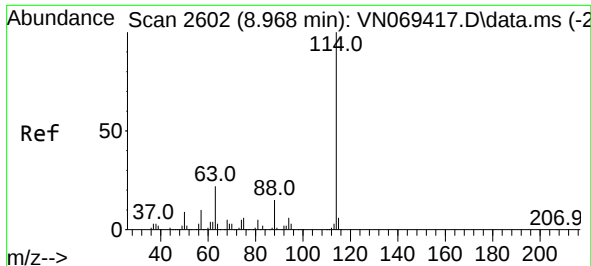
Tgt Ion: 56 Resp: 35901
Ion Ratio Lower Upper
56 100
69 154.5 27.1 40.7#
84 109.6 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.201 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

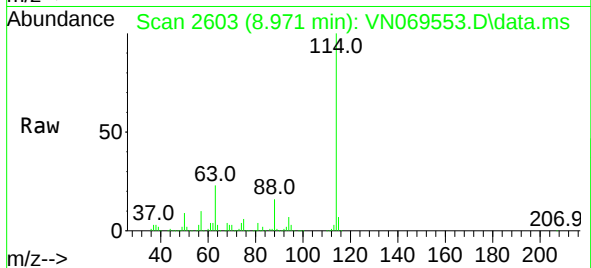
Tgt Ion: 65 Resp: 1001617
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0



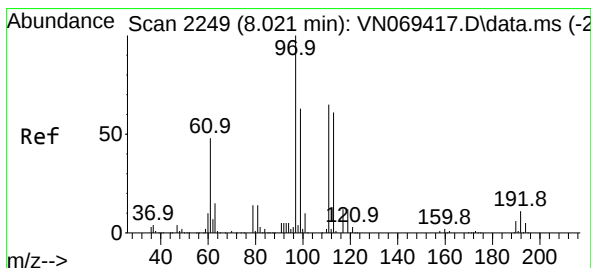
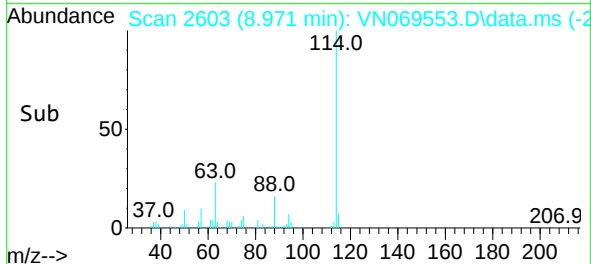
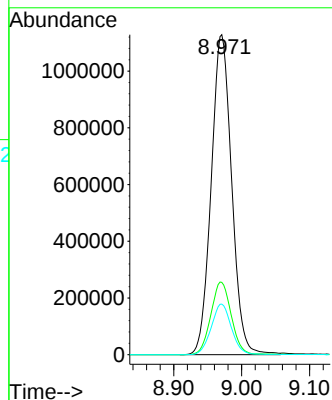


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2
Delta R.T. 0.003 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

Instrument :
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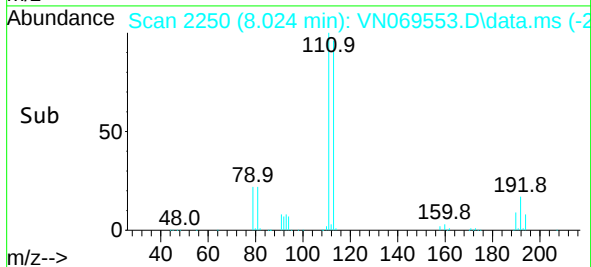
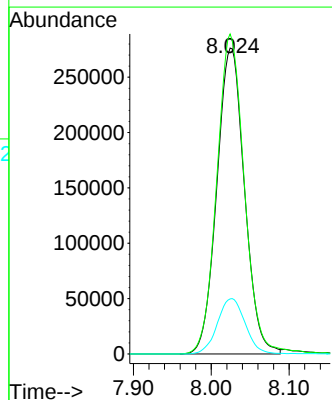
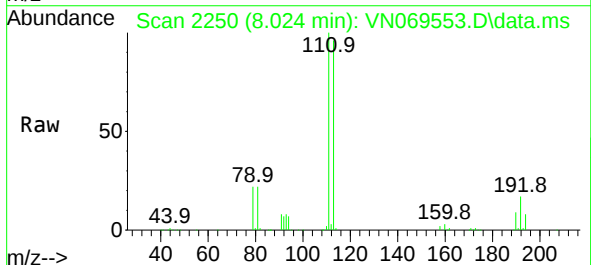


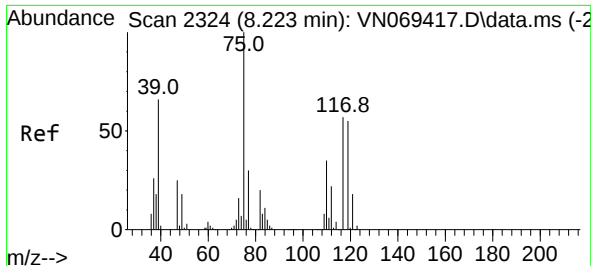
Tgt Ion:114 Resp: 2363749
Ion Ratio Lower Upper
114 100
63 22.6 0.0 37.8
88 15.8 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.016 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

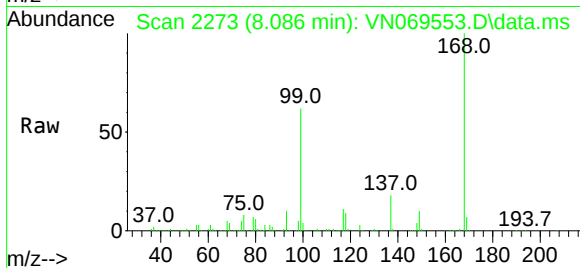
Tgt Ion:113 Resp: 680712
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.2
192 18.2 16.9 25.3



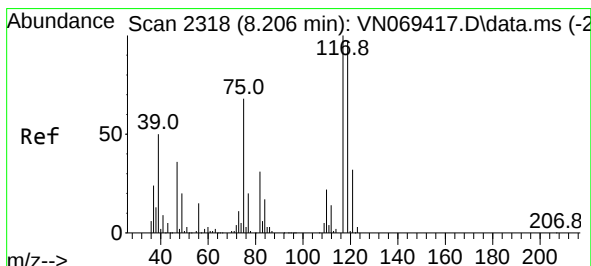
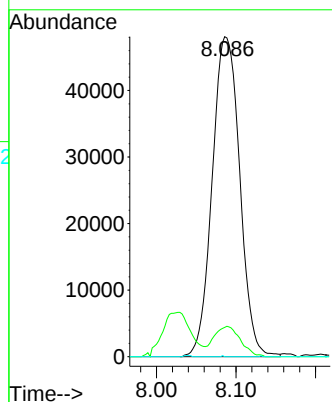
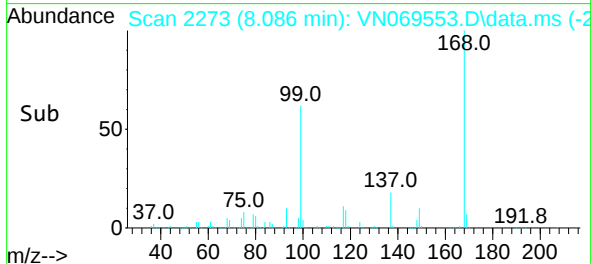


#36
1,1-Dichloropropene
Concen: 5.815 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

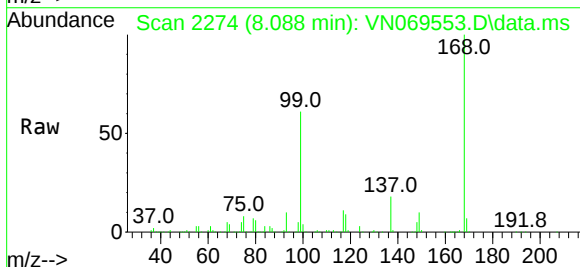
Instrument :
MSVOA_N
ClientSampleId :



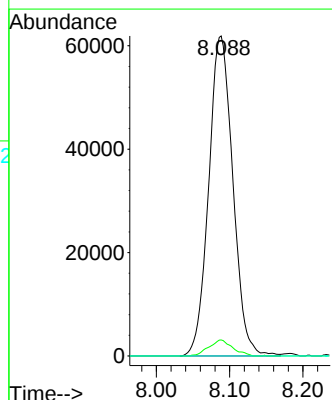
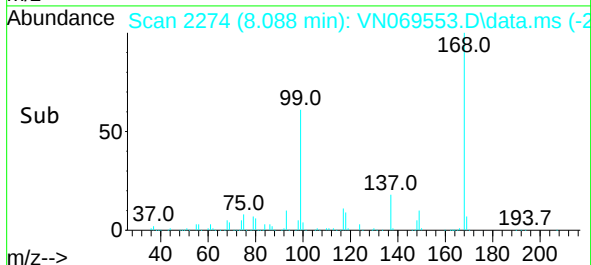
Tgt Ion: 75 Resp: 115652
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#

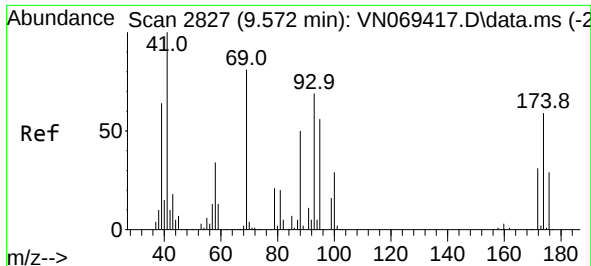


#38
Carbon Tetrachloride
Concen: 7.386 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17



Tgt Ion: 117 Resp: 141836
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 39.183 ug/l

RT: 9.309 min Scan# 21

Delta R.T. -0.263 min

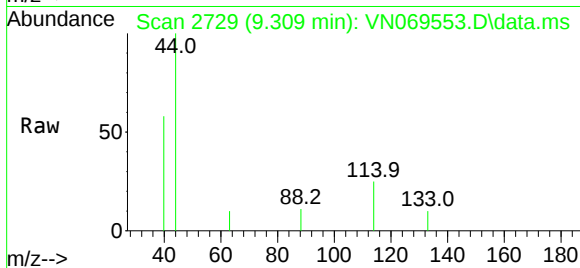
Lab File: VN069553.D

Acq: 18 Nov 2021 15:17

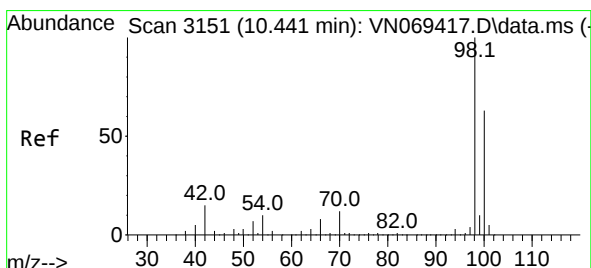
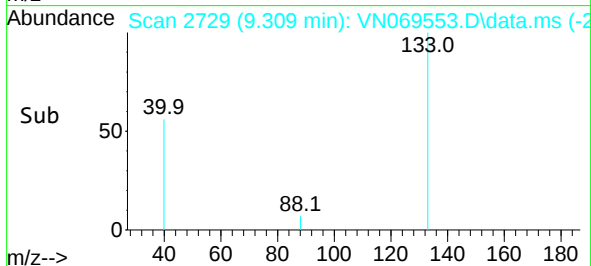
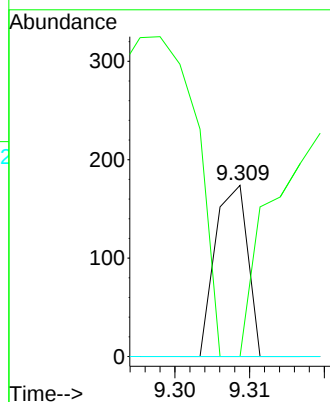
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	88	Resp:	52
Ion	Ratio	Lower	Upper
88	100		
43	453.8	23.4	35.2#
58	0.0	50.6	75.8#



#50

Toluene-d8

Concen: 53.850 ug/l

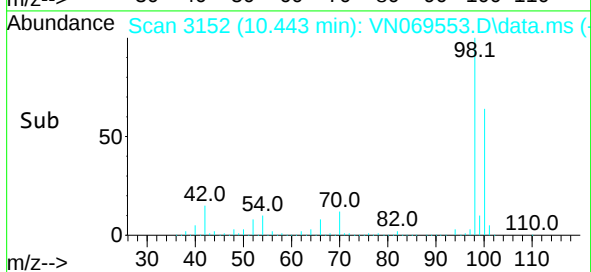
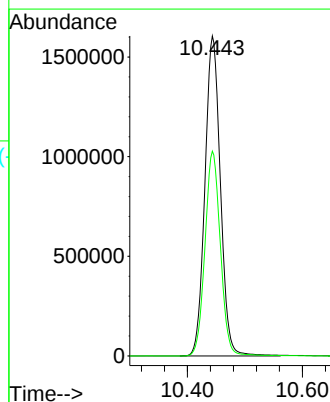
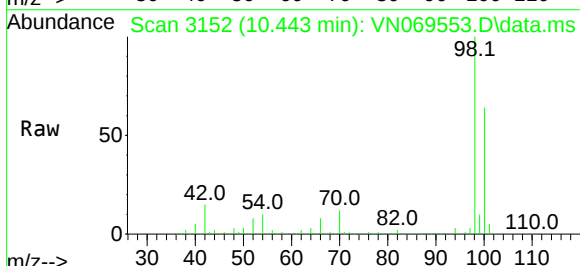
RT: 10.443 min Scan# 3152

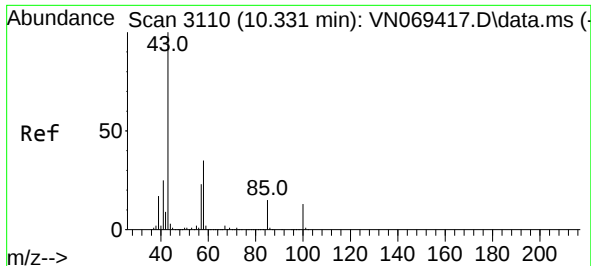
Delta R.T. 0.002 min

Lab File: VN069553.D

Acq: 18 Nov 2021 15:17

Tgt Ion:	98	Resp:	3002495
Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.4	75.6

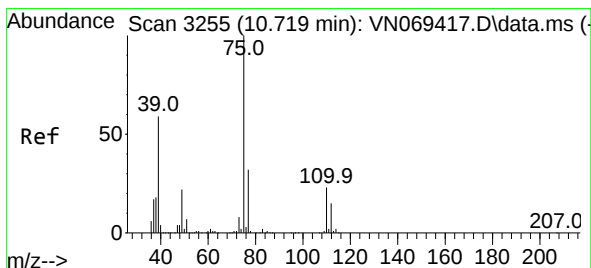
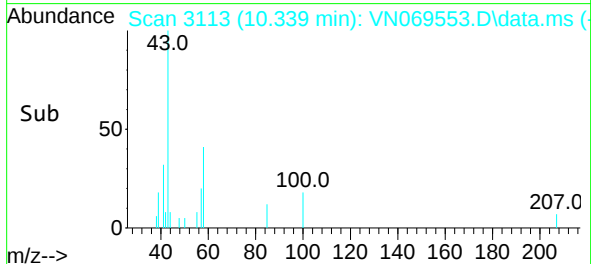
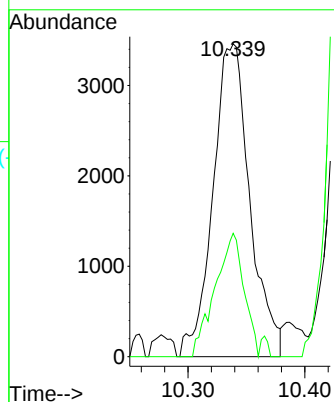
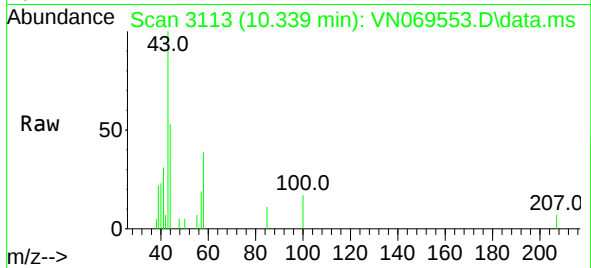




#51
4-Methyl-2-Pentanone
Concen: 0.273 ug/l
RT: 10.339 min Scan# 3110
Delta R.T. 0.008 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

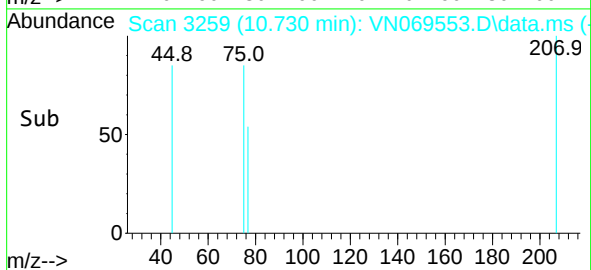
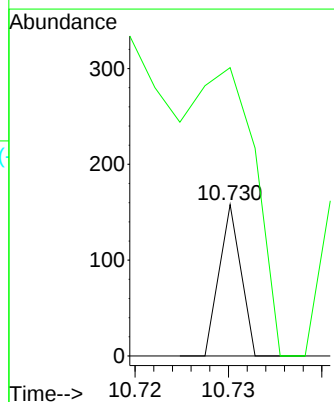
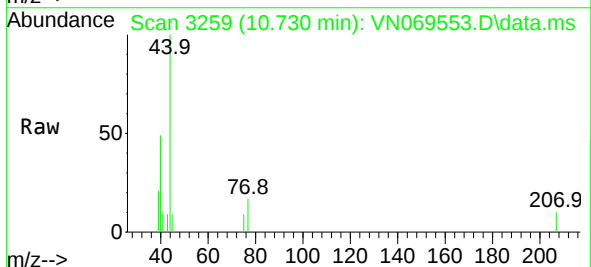
Instrument :
MSVOA_N
ClientSampleId :

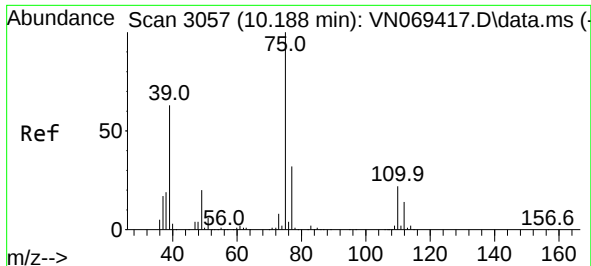
Tgt Ion: 43 Resp: 7596
Ion Ratio Lower Upper
43 100
58 30.9 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.638 ug/l
RT: 10.730 min Scan# 3259
Delta R.T. 0.011 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 190.5 25.6 38.4#

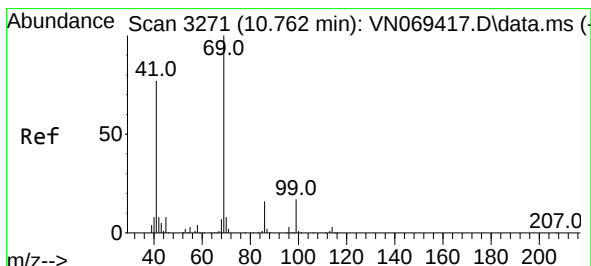
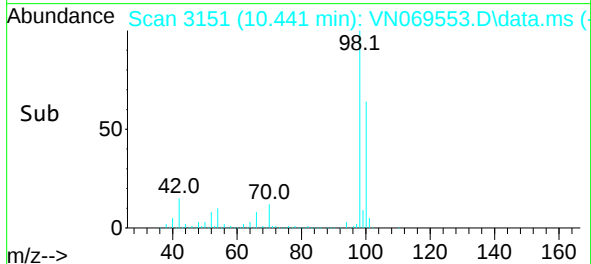
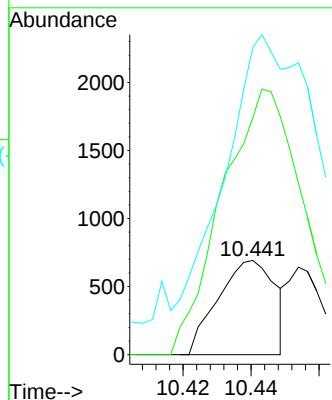
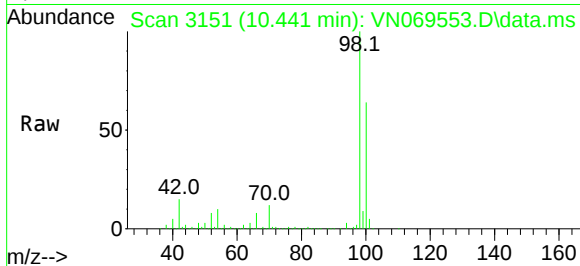




#54
 cis-1,3-Dichloropropene
 Concen: 1.762 ug/l
 RT: 10.441 min Scan# 3151
 Delta R.T. 0.253 min
 Lab File: VN069553.D
 Acq: 18 Nov 2021 15:17

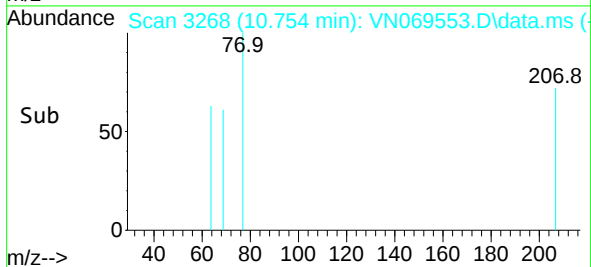
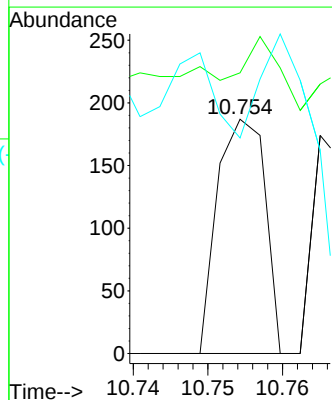
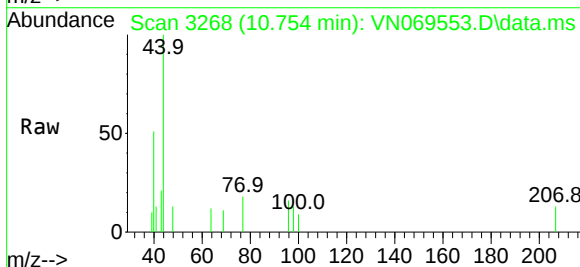
Instrument :
 MSVOA_N
 ClientSampleId :

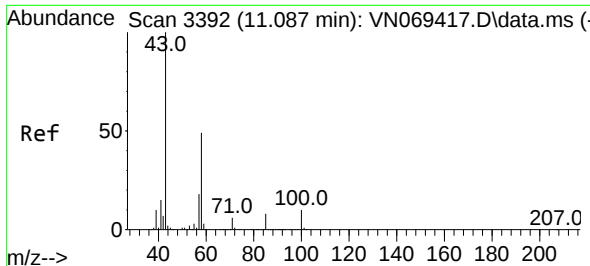
Tgt Ion: 75 Resp: 807
 Ion Ratio Lower Upper
 75 100
 77 222.7 26.4 39.6#
 39 268.2 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.056 ug/l
 RT: 10.754 min Scan# 3268
 Delta R.T. -0.008 min
 Lab File: VN069553.D
 Acq: 18 Nov 2021 15:17

Tgt Ion: 69 Resp: 83
 Ion Ratio Lower Upper
 69 100
 41 228.9 51.4 77.0#
 39 165.1 34.6 52.0#

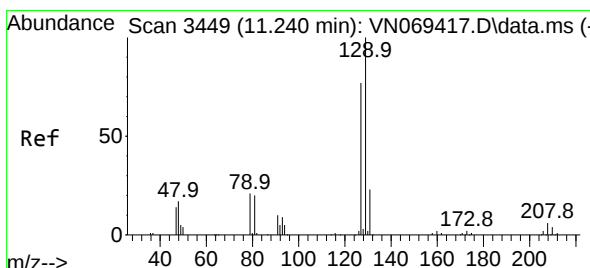
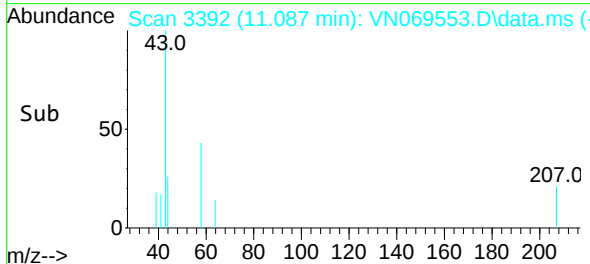
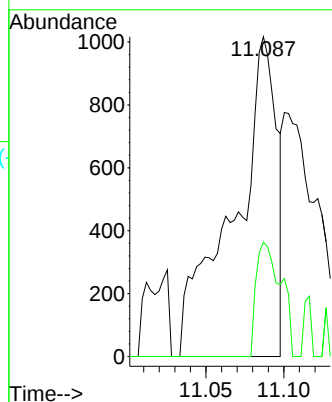
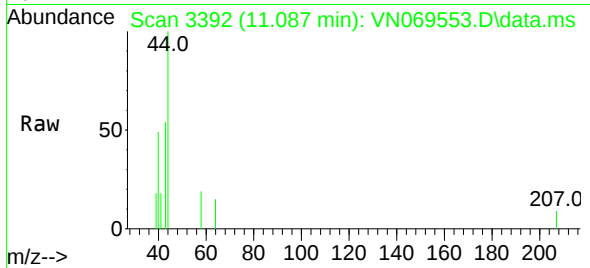




#59
2-Hexanone
Concen: 8.022 ug/l
RT: 11.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

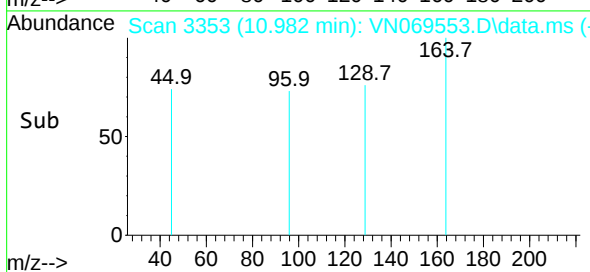
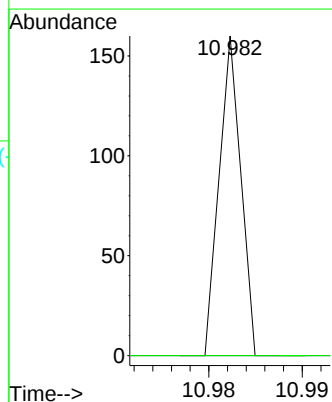
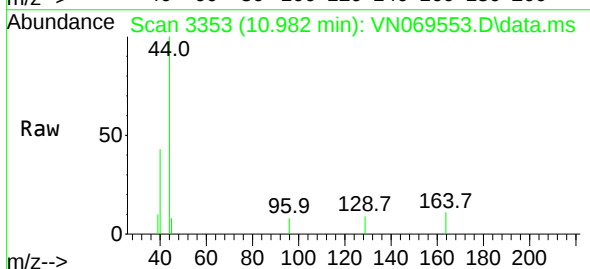
Instrument :
MSVOA_N
ClientSampleId :

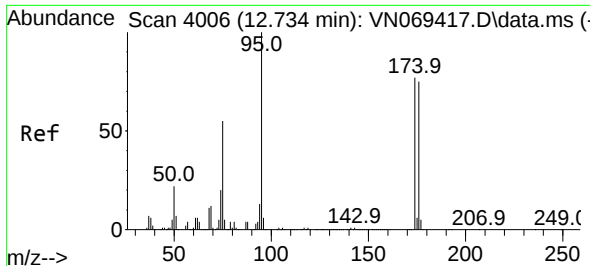
Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
58 20.4 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.419 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

Tgt Ion:129 Resp: 26
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

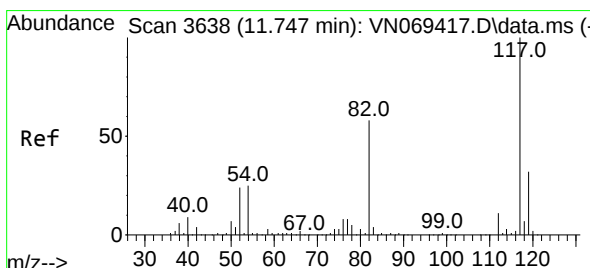
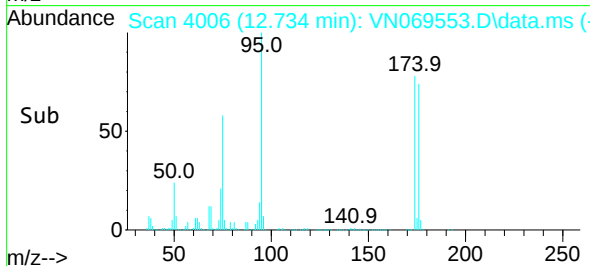
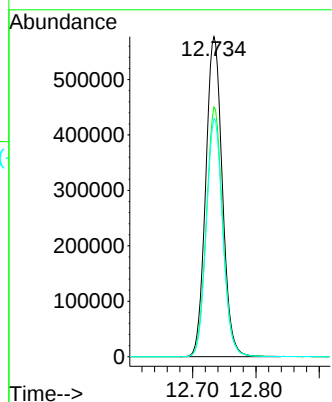
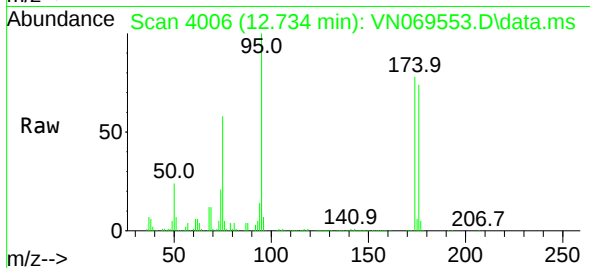




#62
4-Bromofluorobenzene
Concen: 51.268 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

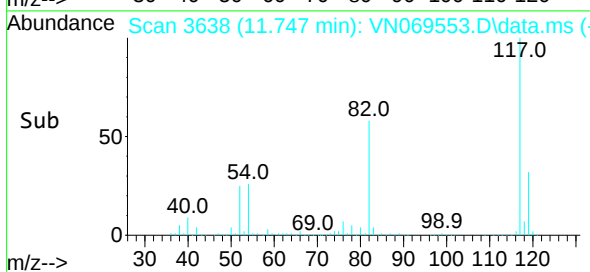
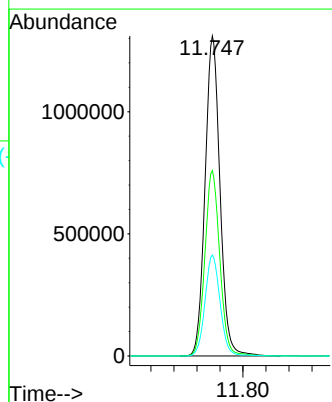
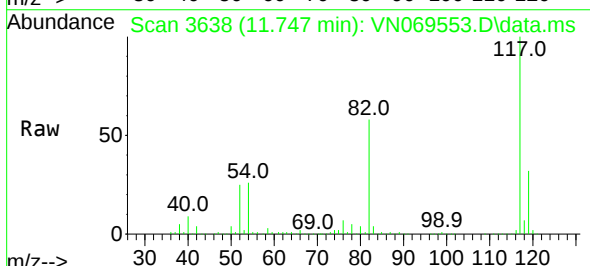
Instrument :
MSVOA_N
ClientSampleId :

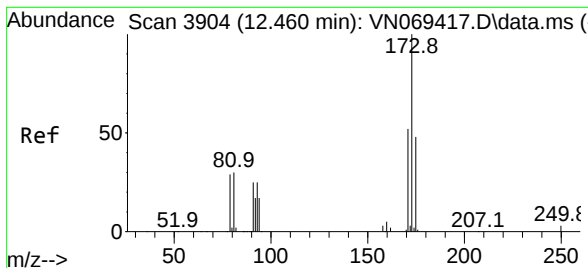
Tgt Ion: 95 Resp: 1050133
Ion Ratio Lower Upper
95 100
174 77.1 0.0 187.2
176 73.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

Tgt Ion: 117 Resp: 2356048
Ion Ratio Lower Upper
117 100
82 58.0 42.4 63.6
119 31.6 25.4 38.2





#71

Bromoform

Concen: 3.495 ug/l

RT: 12.742 min Scan# 4009

Delta R.T. 0.282 min

Lab File: VN069553.D

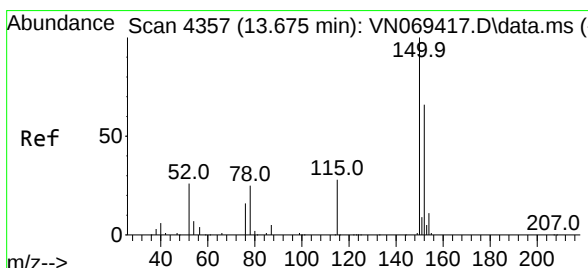
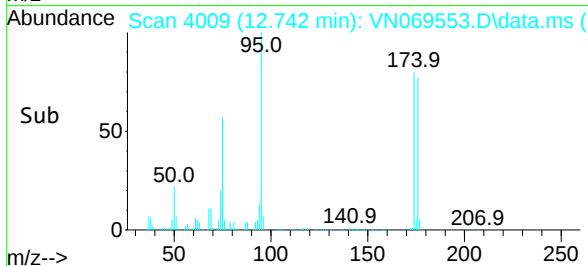
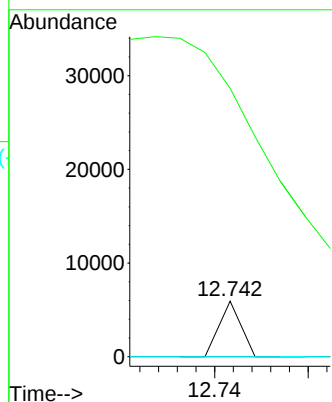
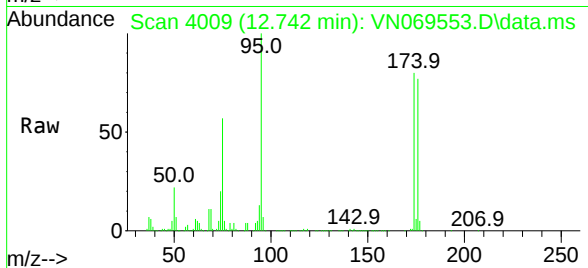
Acq: 18 Nov 2021 15:17

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	952
Ion Ratio	Lower	Upper
173	100	
175	6064.4	24.2 72.6#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

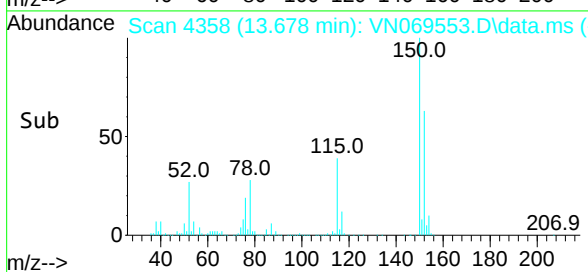
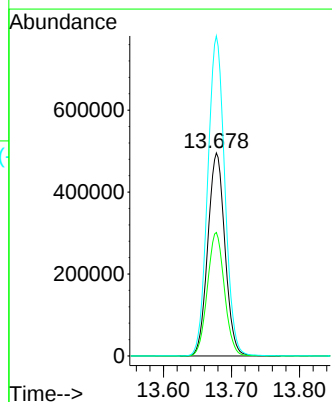
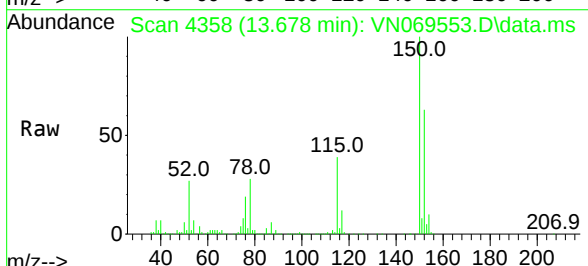
RT: 13.678 min Scan# 4358

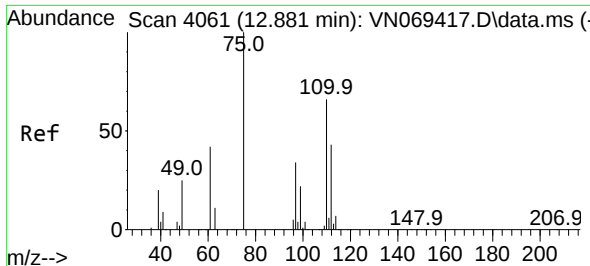
Delta R.T. 0.003 min

Lab File: VN069553.D

Acq: 18 Nov 2021 15:17

Tgt Ion:152	Resp:	867319
Ion Ratio	Lower	Upper
152	100	
115	60.6	27.5 82.5
150	157.1	0.0 344.4

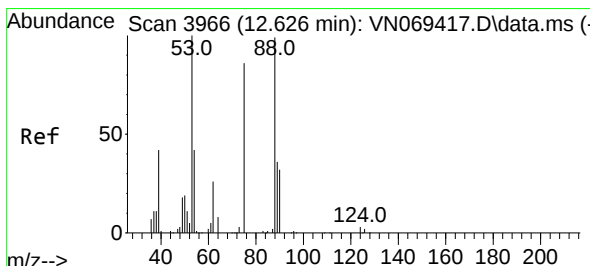
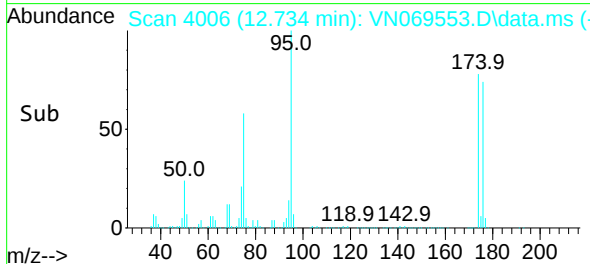
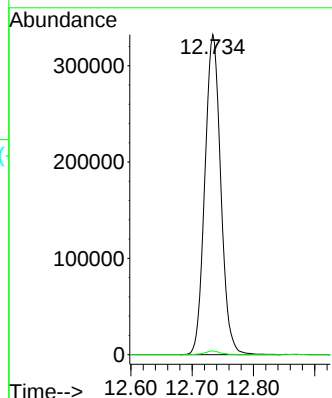
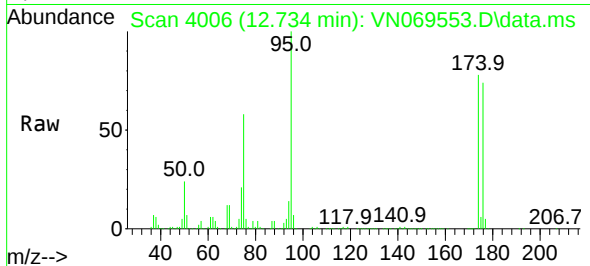




#76
1,2,3-Trichloropropane
Concen: 29.915 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

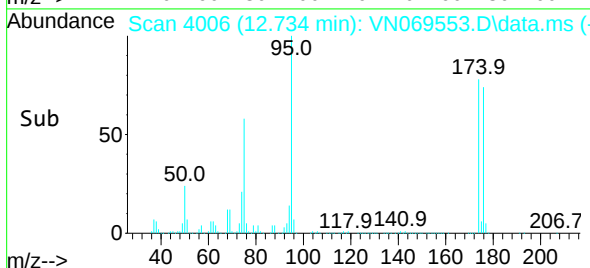
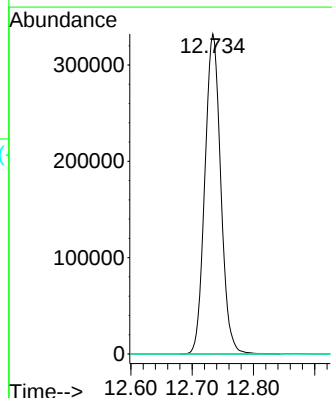
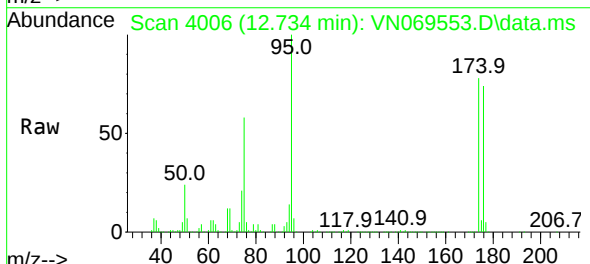
Instrument :
MSVOA_N
ClientSampleId :

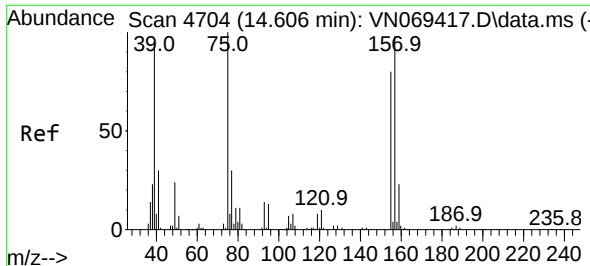
Tgt Ion: 75 Resp: 598767
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.527 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

Tgt Ion: 75 Resp: 598767
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

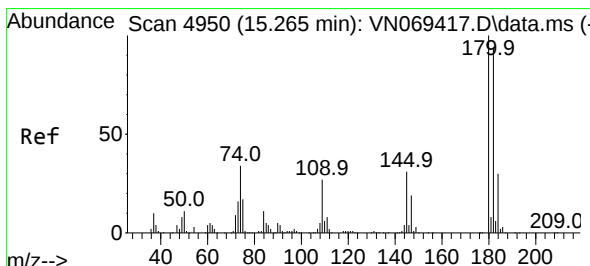
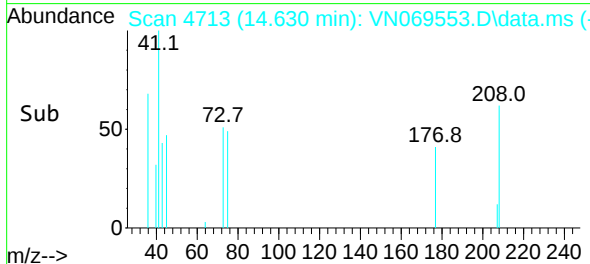
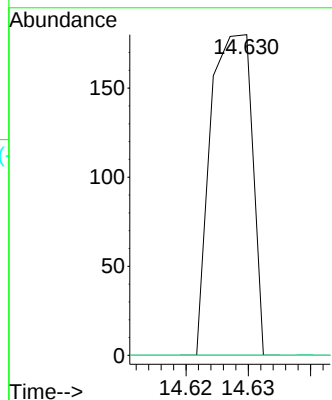
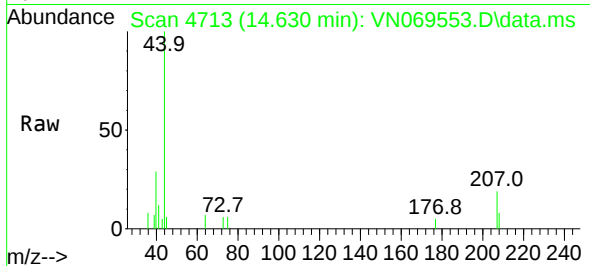




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.815 ug/l
 RT: 14.630 min Scan# 41
 Delta R.T. 0.024 min
 Lab File: VN069553.D
 Acq: 18 Nov 2021 15:17

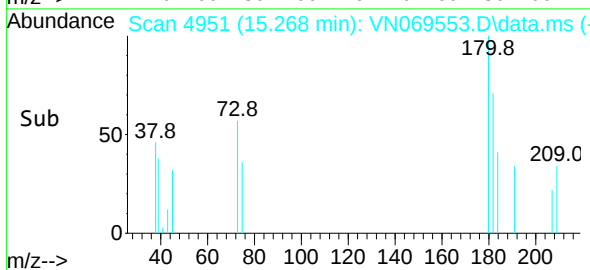
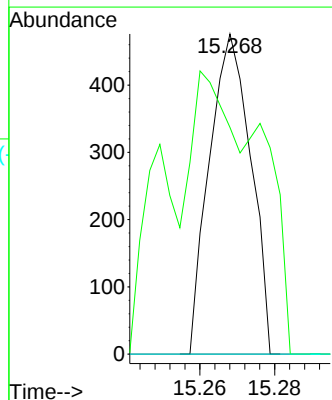
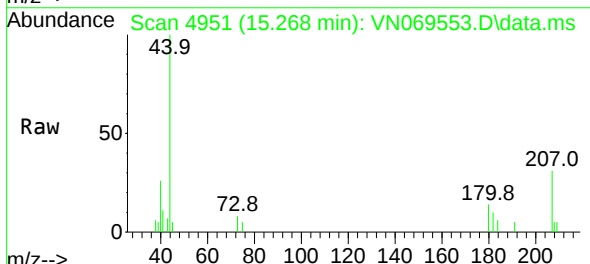
Instrument :
 MSVOA_N
 ClientSampleId :

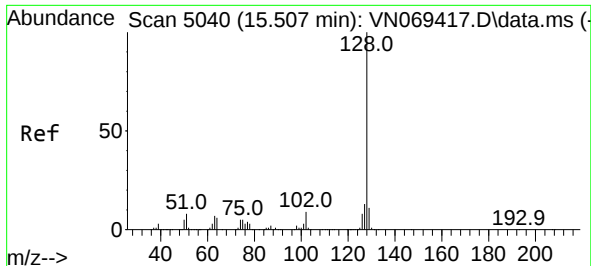
Tgt Ion: 75 Resp: 83
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.9 140.7#
 157 0.0 60.6 181.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.138 ug/l
 RT: 15.268 min Scan# 4951
 Delta R.T. 0.003 min
 Lab File: VN069553.D
 Acq: 18 Nov 2021 15:17

Tgt Ion: 180 Resp: 365
 Ion Ratio Lower Upper
 180 100
 182 48.5 48.3 144.9
 145 0.0 14.5 43.5#

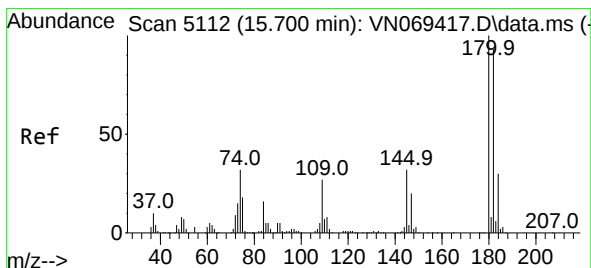
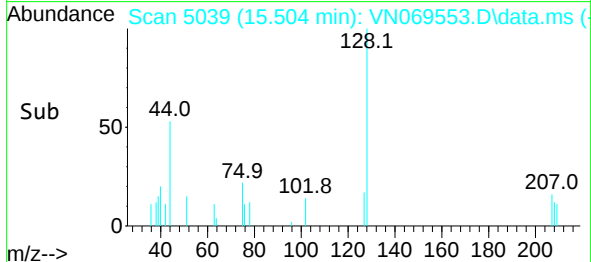
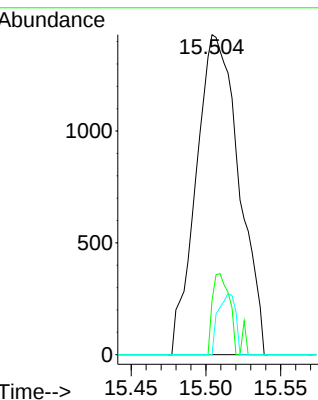
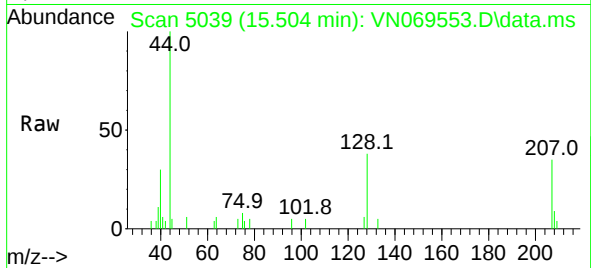




#95
Naphthalene
Concen: 4.519 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2852
Ion Ratio Lower Upper
128 100
127 10.0 10.5 15.7#
129 7.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.191 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.006 min
Lab File: VN069553.D
Acq: 18 Nov 2021 15:17

Tgt Ion:180 Resp: 297
Ion Ratio Lower Upper
180 100
182 36.7 47.4 142.2#
145 0.0 15.0 45.1#

