

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071477.D
 Acq On : 22 Mar 2022 19:22
 Operator : JC\MD
 Sample : N2053-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 07:10:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

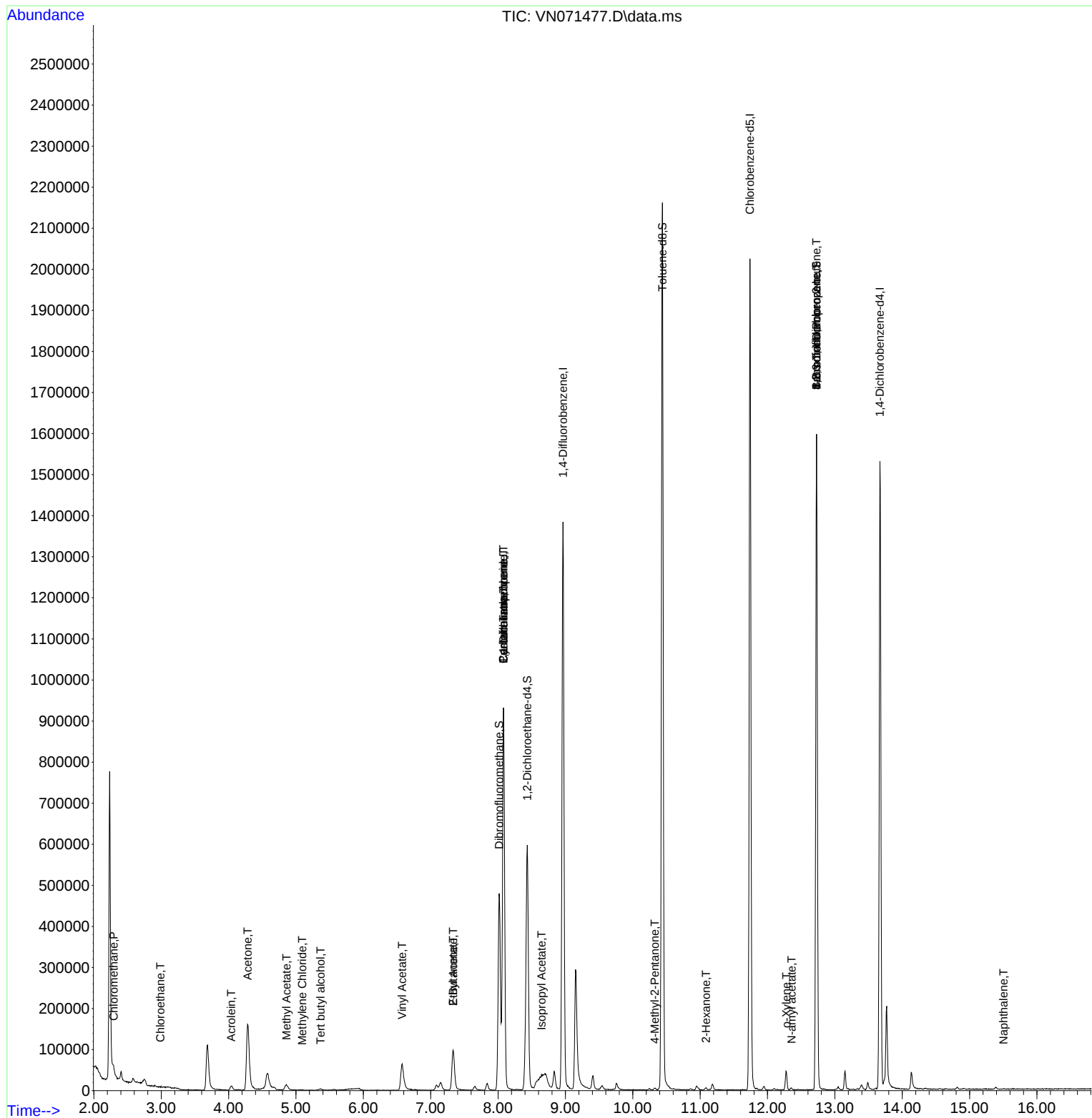
Internal Standards						
1) Pentafluorobenzene	8.081	168	694246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1202364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1139883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	414467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	468165	49.203	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.400%		
35) Dibromofluoromethane	8.016	113	353799	46.630	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.260%		
50) Toluene-d8	10.439	98	1478019	48.382	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.760%		
62) 4-Bromofluorobenzene	12.727	95	553133	53.471	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.940%		
Target Compounds					Qvalue	
3) Chloromethane	2.293	50	4073	0.364	ug/l #	79
5) Bromomethane	2.816	94	64	Below Cal	#	3
6) Chloroethane	2.987	64	1190	0.211	ug/l #	77
11) Tert butyl alcohol	5.363	59	6070	3.247	ug/l #	74
13) Acrolein	4.040	56	12778	6.459	ug/l	97
16) Acetone	4.281	43	307199	66.355	ug/l	97
18) Methyl Acetate	4.857	43	28789	2.764	ug/l	96
20) Methylene Chloride	5.093	84	252	0.411	ug/l #	58
23) Vinyl Acetate	6.575	43	12682	0.502	ug/l #	72
25) 2-Butanone	7.334	43	176565	23.675	ug/l	97
31) Cyclohexane	8.081	56	15033	0.989	ug/l #	12
36) 1,1-Dichloropropene	8.081	75	56504	4.648	ug/l #	49
37) Ethyl Acetate	7.334	43	176565	10.554	ug/l #	68
38) Carbon Tetrachloride	8.081	117	68568	5.831	ug/l #	16
43) Isopropyl Acetate	8.645	43	52817	2.111	ug/l #	56
51) 4-Methyl-2-Pentanone	10.328	43	3463	0.223	ug/l	94
59) 2-Hexanone	11.086	43	4617	0.436	ug/l	78
69) o-Xylene	12.280	106	12161	0.766	ug/l	93
71) Bromoform	12.727	173	3914	0.574	ug/l #	1
74) N-amyl acetate	12.357	43	4462	0.297	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.822	83	60	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	281148	26.671	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	281148	73.328	ug/l #	5
95) Naphthalene	15.504	128	1248	5.127	ug/l #	82

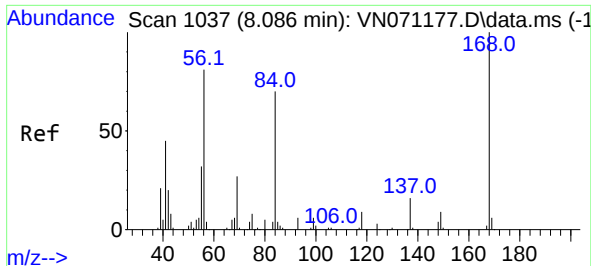
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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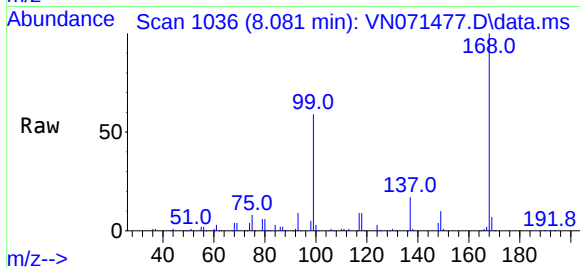
Quant Time: Mar 23 07:10:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
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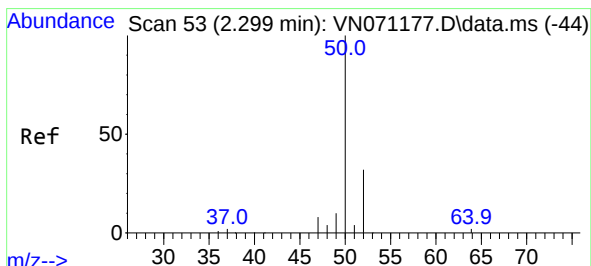
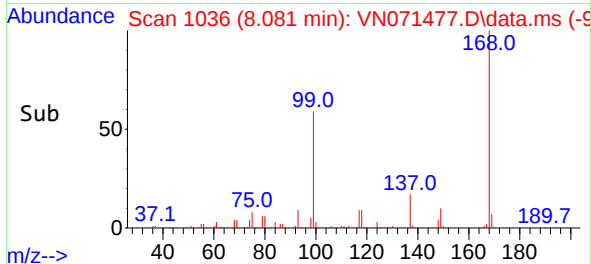
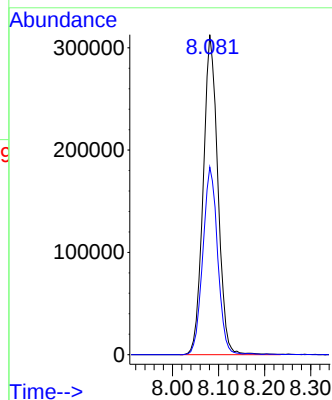


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Instrument :
MSVOA_N
ClientSampleId :

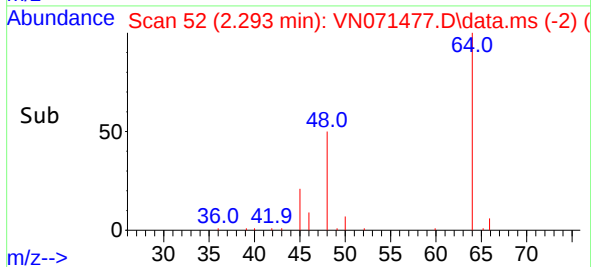
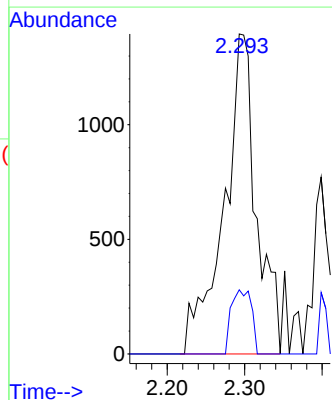
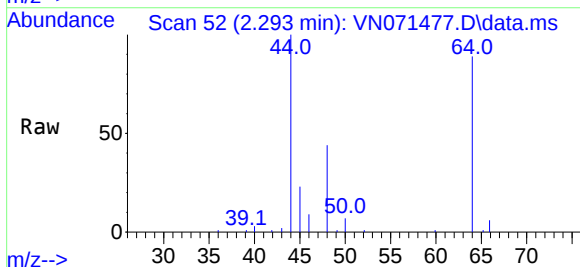


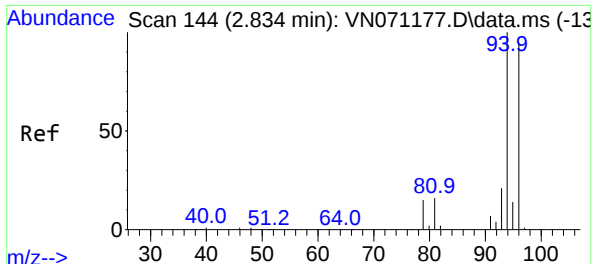
Tgt Ion:168 Resp: 694246
Ion Ratio Lower Upper
168 100
99 58.6 41.3 61.9



#3
Chloromethane
Concen: 0.364 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Tgt Ion: 50 Resp: 4073
Ion Ratio Lower Upper
50 100
52 20.1 25.4 38.0#

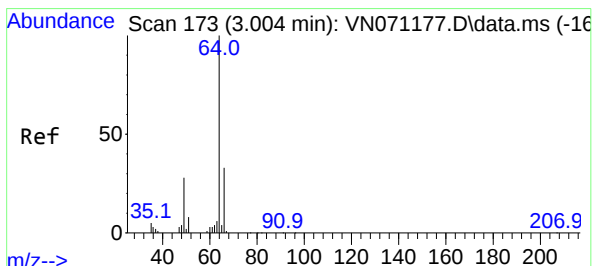
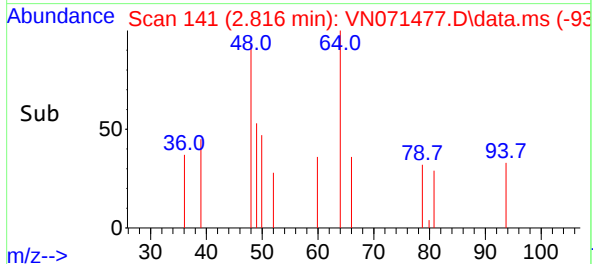
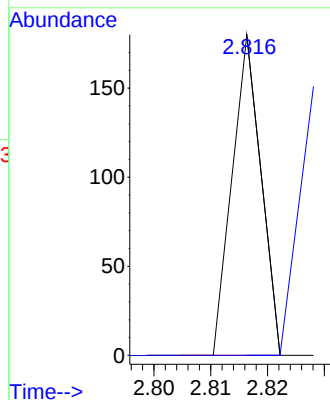
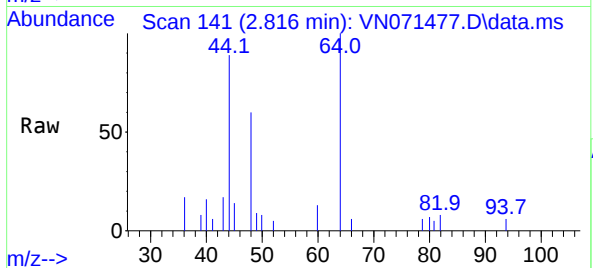




#5
Bromomethane
Concen: Below Cal
RT: 2.816 min Scan# 14
Delta R.T. -0.018 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

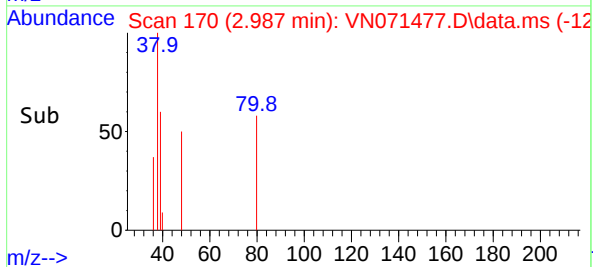
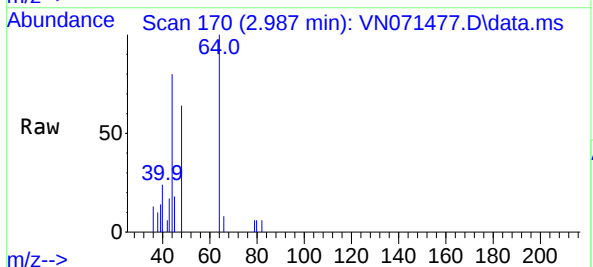
Instrument :
MSVOA_N
ClientSampleId :

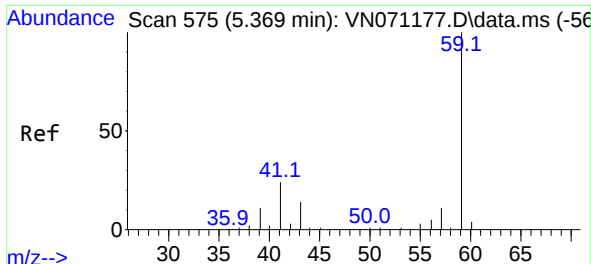
Tgt Ion: 94 Resp: 64
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#6
Chloroethane
Concen: 0.211 ug/l
RT: 2.987 min Scan# 170
Delta R.T. -0.017 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Tgt Ion: 64 Resp: 1190
Ion Ratio Lower Upper
64 100
66 19.9 26.3 39.5#

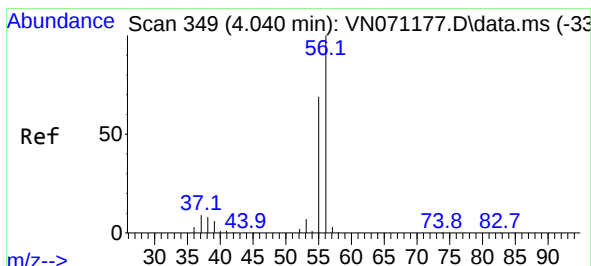
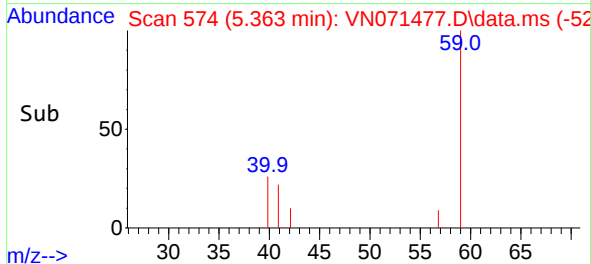
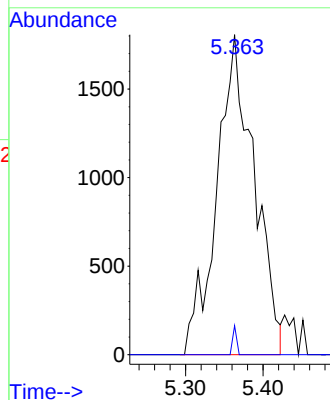
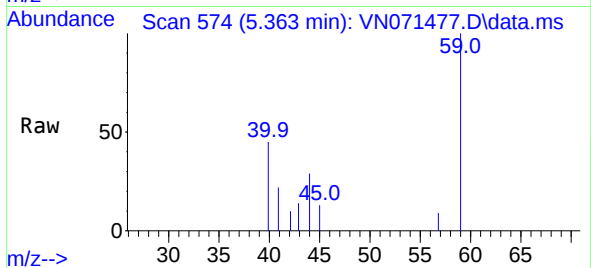




#11
Tert butyl alcohol
Concen: 3.247 ug/l
RT: 5.363 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

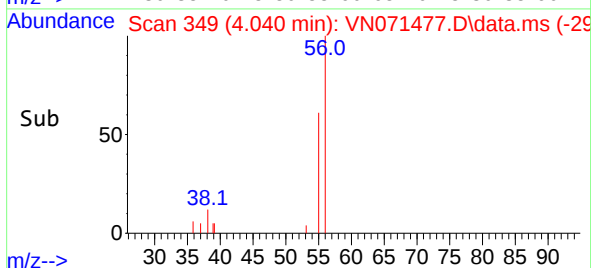
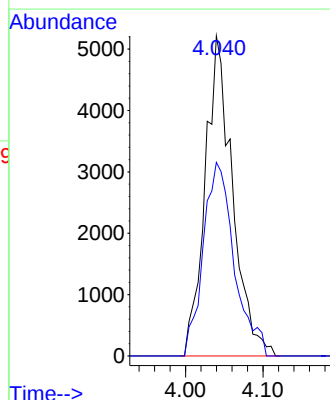
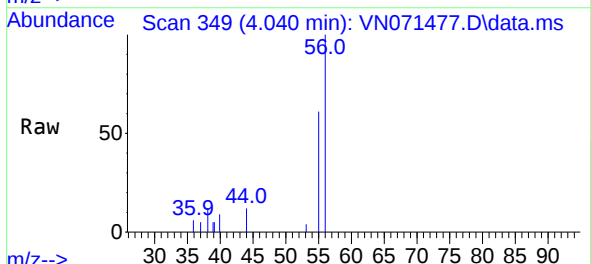
Instrument :
MSVOA_N
ClientSampleId :

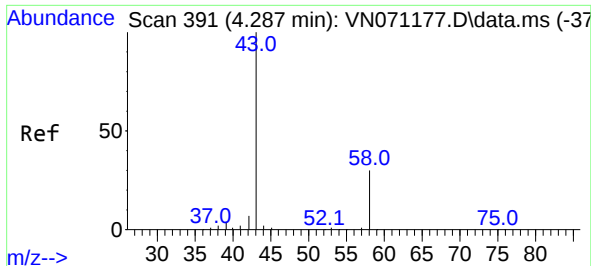
Tgt Ion: 59 Resp: 6070
Ion Ratio Lower Upper
59 100
57 1.0 8.7 13.1#



#13
Acrolein
Concen: 6.459 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.000 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Tgt Ion: 56 Resp: 12778
Ion Ratio Lower Upper
56 100
55 68.5 56.6 85.0

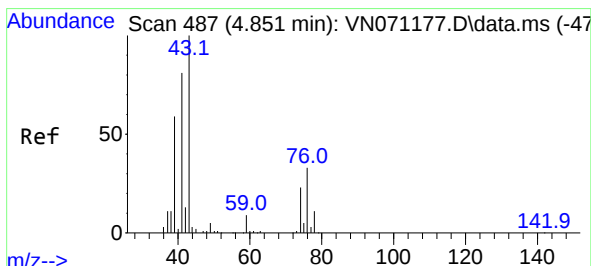
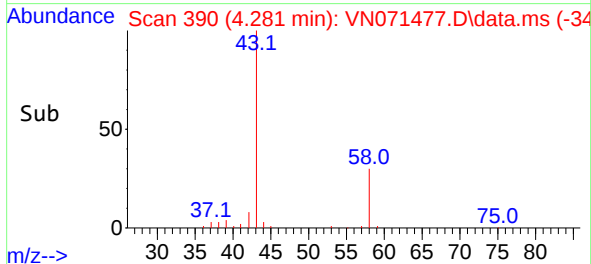
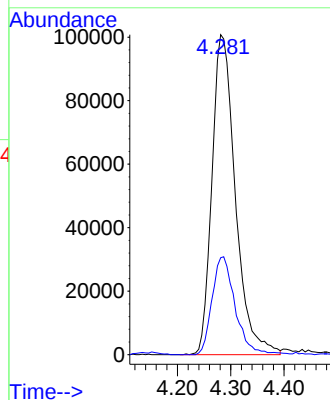
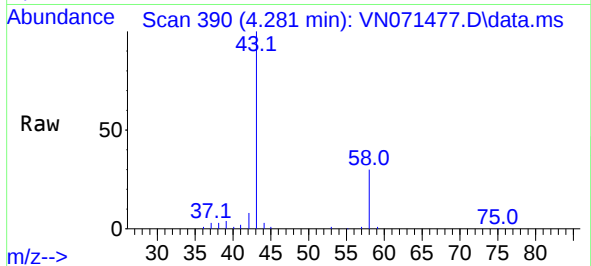




#16
Acetone
Concen: 66.355 ug/l
RT: 4.281 min Scan# 391
Delta R.T. -0.006 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

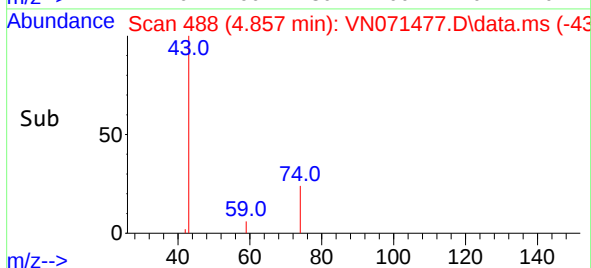
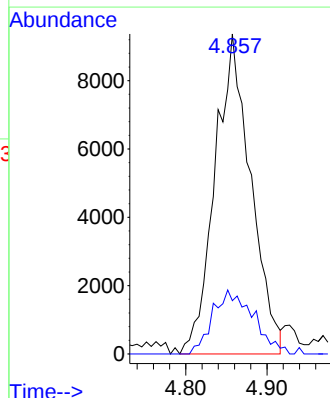
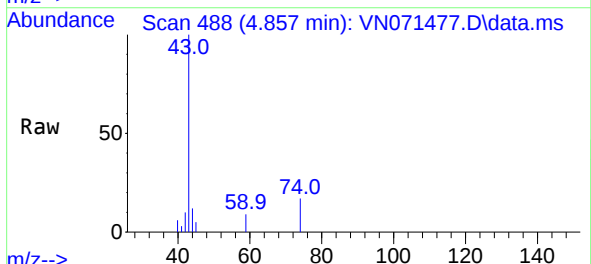
Instrument :
MSVOA_N
ClientSampleId :

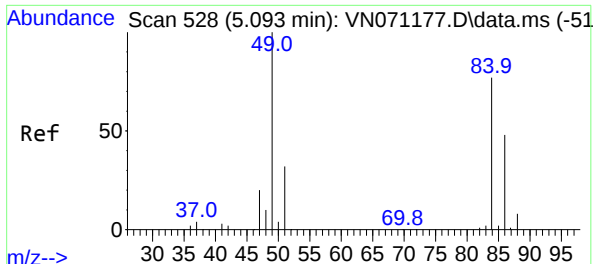
Tgt Ion: 43 Resp: 307199
Ion Ratio Lower Upper
43 100
58 30.3 23.1 34.7



#18
Methyl Acetate
Concen: 2.764 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

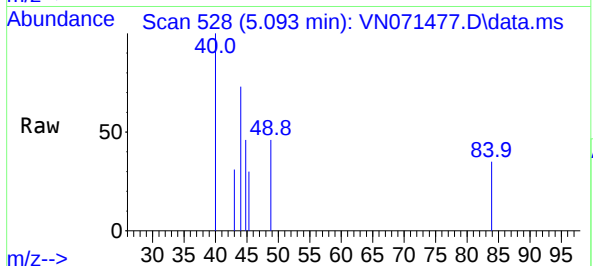
Tgt Ion: 43 Resp: 28789
Ion Ratio Lower Upper
43 100
74 22.5 19.4 29.2





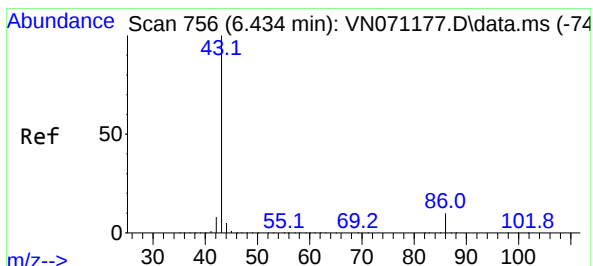
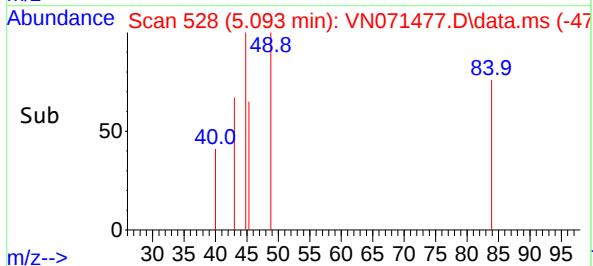
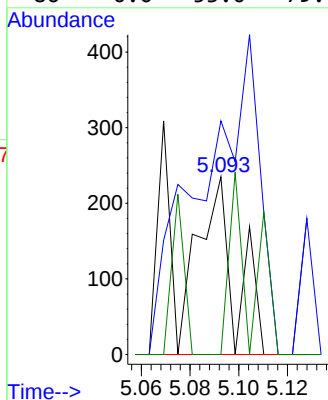
#20
Methylene Chloride
Concen: 0.411 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 252

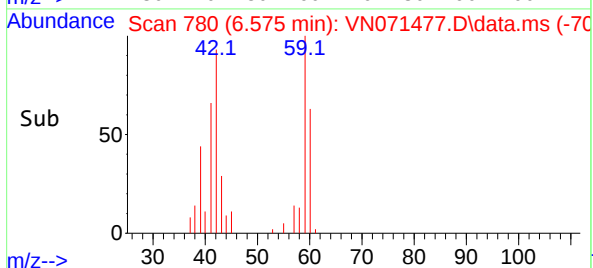
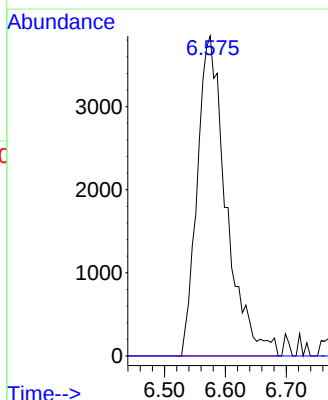
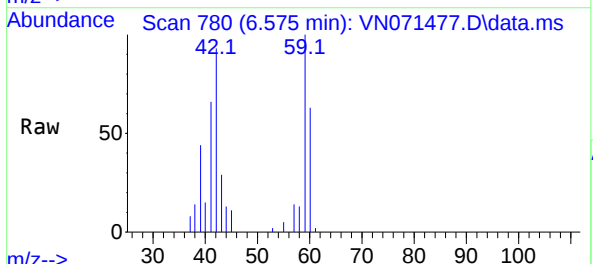
Ion	Ratio	Lower	Upper
84	100		
49	131.5	93.5	140.3
51	0.0	29.4	44.2#
86	0.0	53.0	79.4#

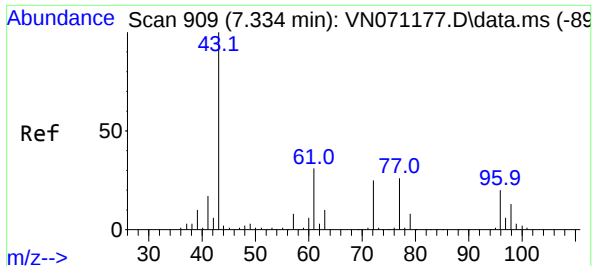


#23
Vinyl Acetate
Concen: 0.502 ug/l
RT: 6.575 min Scan# 780
Delta R.T. 0.141 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Tgt Ion: 43 Resp: 12682

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#





#25

2-Butanone

Concen: 23.675 ug/l

RT: 7.334 min Scan# 909

Delta R.T. 0.000 min

Lab File: VN071477.D

Acq: 22 Mar 2022 19:22

Instrument :

MSVOA_N

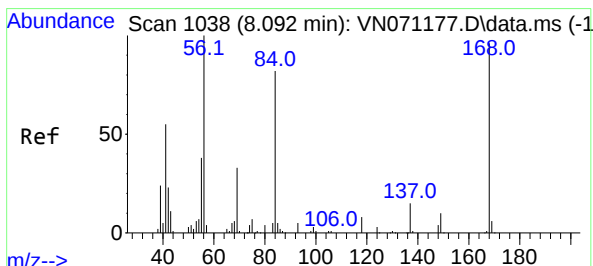
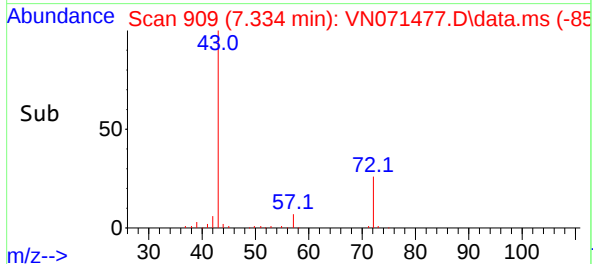
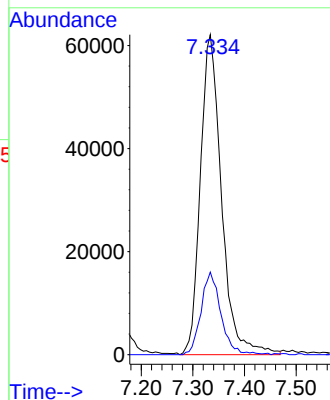
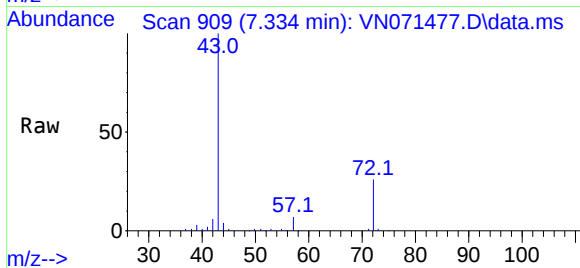
ClientSampleId :

Tgt Ion: 43 Resp: 176565

Ion Ratio Lower Upper

43 100

72 25.8 21.7 32.5



#31

Cyclohexane

Concen: 0.989 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071477.D

Acq: 22 Mar 2022 19:22

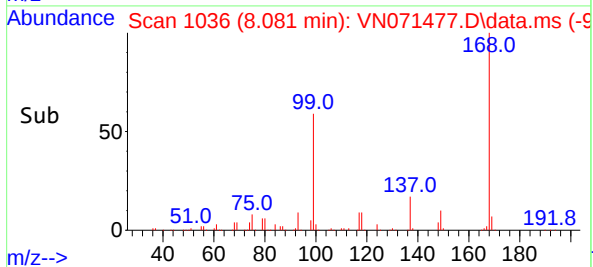
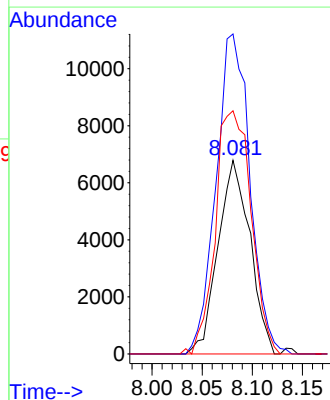
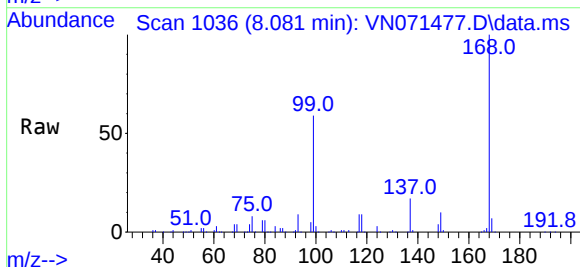
Tgt Ion: 56 Resp: 15033

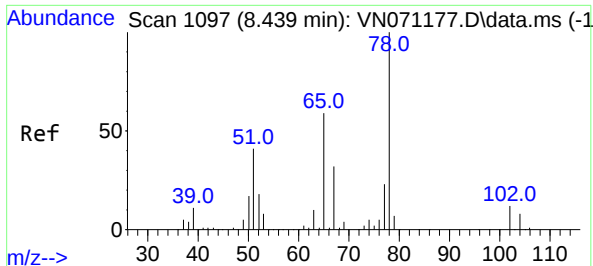
Ion Ratio Lower Upper

56 100

69 165.3 27.1 40.7#

84 125.6 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.203 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071477.D

Acq: 22 Mar 2022 19:22

Instrument :

MSVOA_N

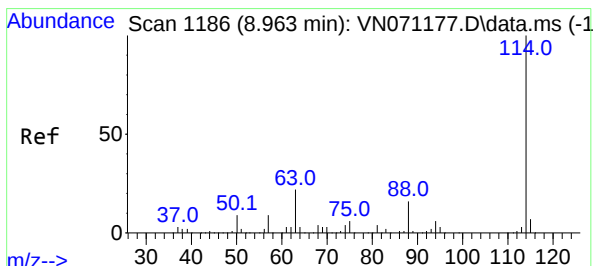
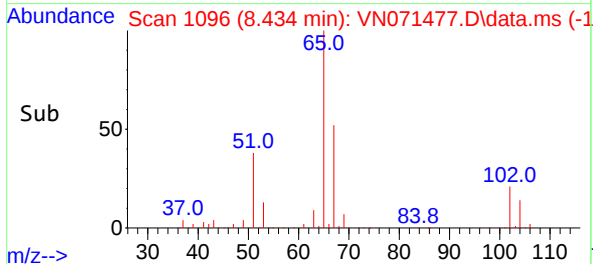
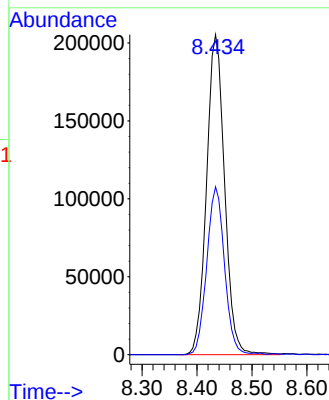
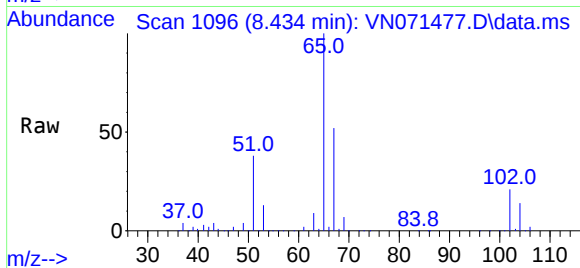
ClientSampleId :

Tgt Ion: 65 Resp: 468165

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071477.D

Acq: 22 Mar 2022 19:22

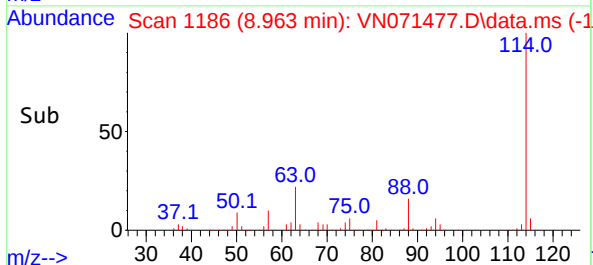
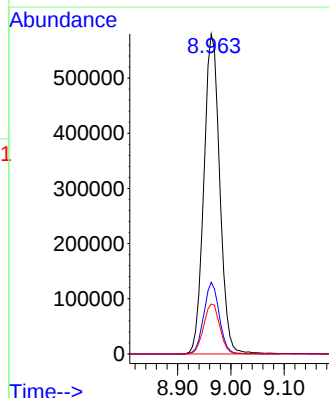
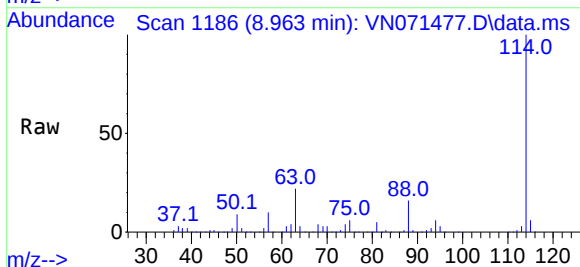
Tgt Ion: 114 Resp: 1202364

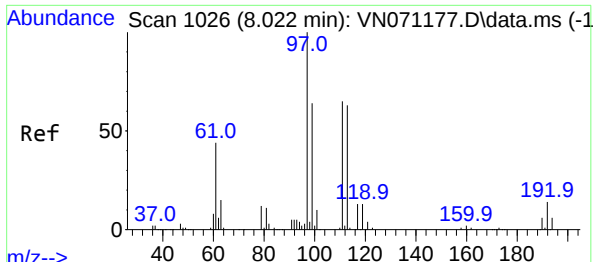
Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

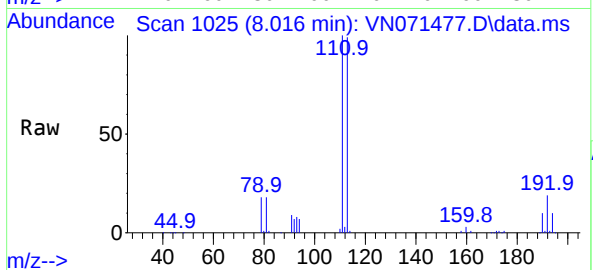
88 15.6 0.0 27.4



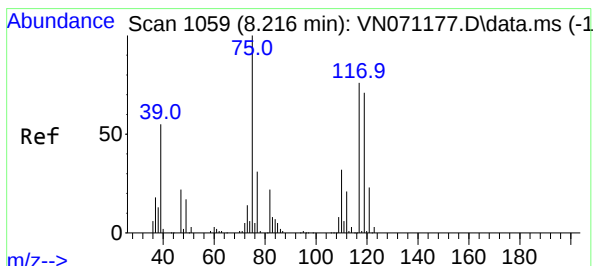
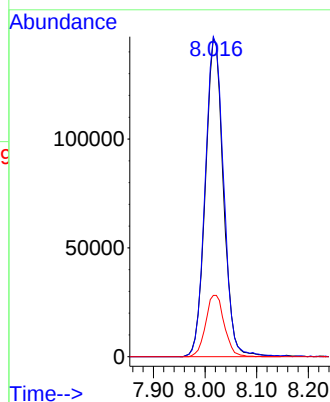
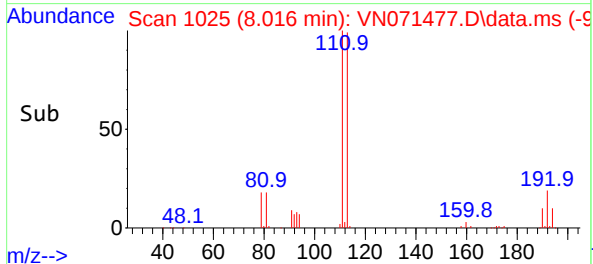


#35
Dibromofluoromethane
Concen: 46.630 ug/l
RT: 8.016 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Instrument :
MSVOA_N
ClientSampleId :

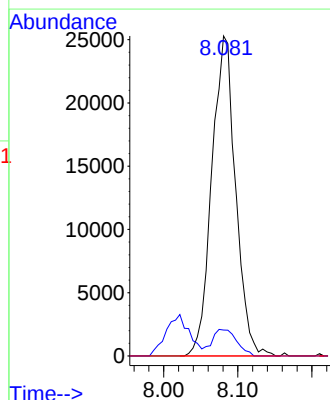
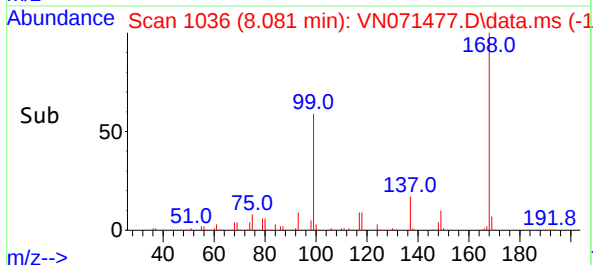
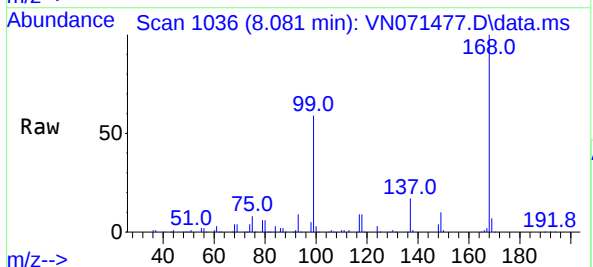


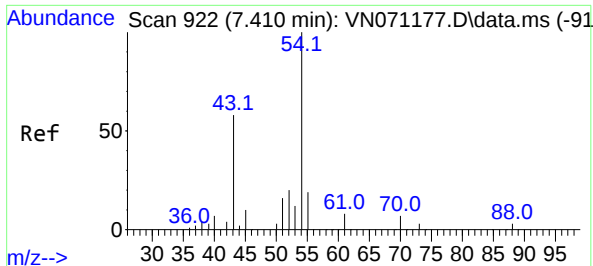
Tgt Ion:113 Resp: 353799
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.648 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Tgt Ion: 75 Resp: 56504
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 10.554 ug/l

RT: 7.334 min Scan# 90

Delta R.T. -0.076 min

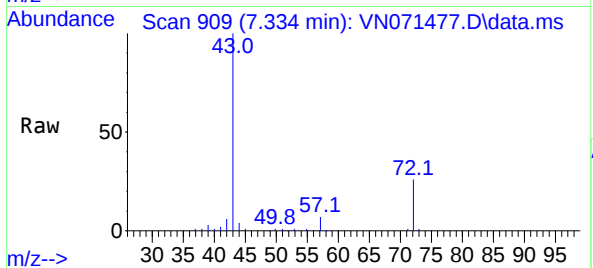
Lab File: VN071477.D

Acq: 22 Mar 2022 19:22

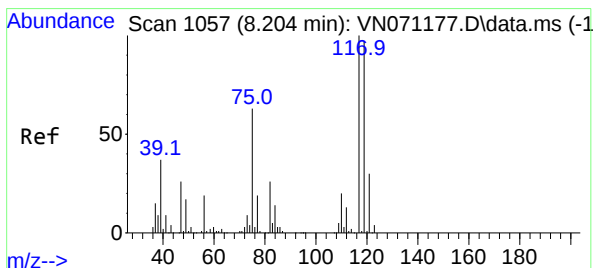
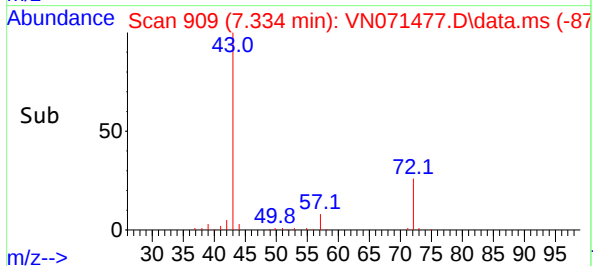
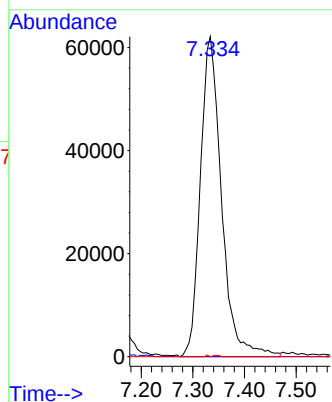
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	176565
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.1	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 5.831 ug/l

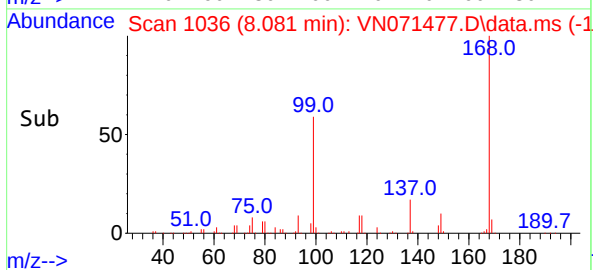
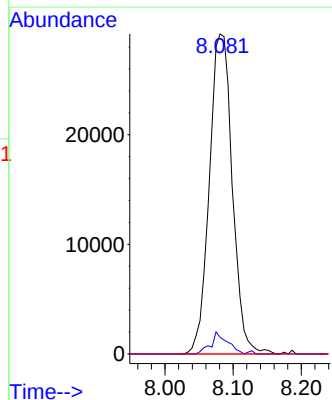
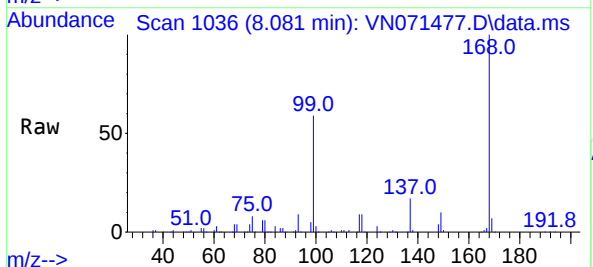
RT: 8.081 min Scan# 1036

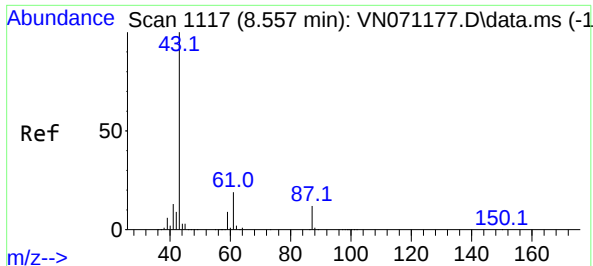
Delta R.T. -0.123 min

Lab File: VN071477.D

Acq: 22 Mar 2022 19:22

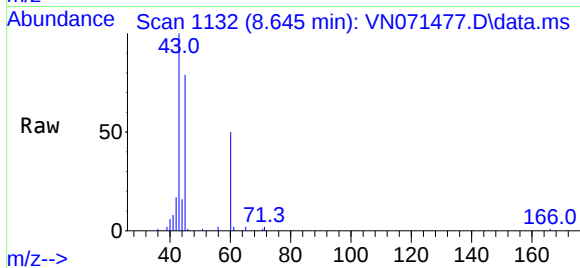
Tgt Ion:	117	Resp:	68568
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.1	114.1#
121	0.0	24.2	36.2#



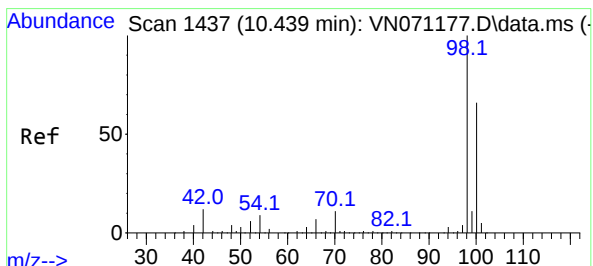
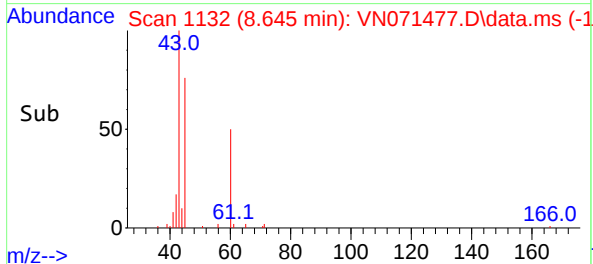
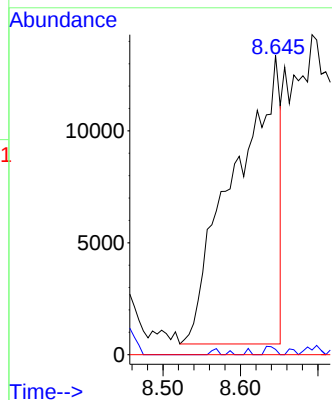


#43
Isopropyl Acetate
Concen: 2.111 ug/l
RT: 8.645 min Scan# 1117
Delta R.T. 0.088 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Instrument :
MSVOA_N
ClientSampleId :

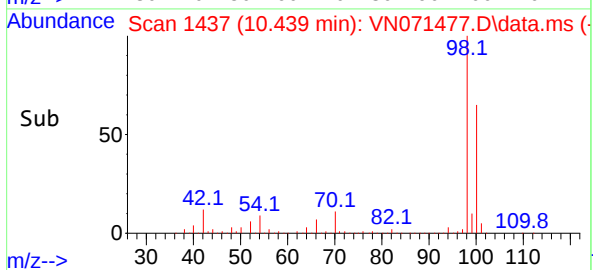
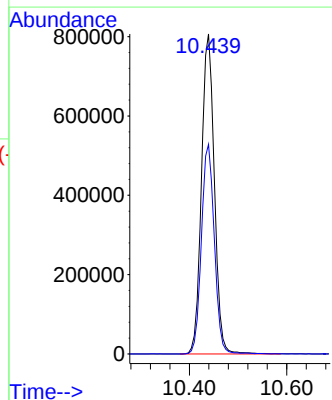
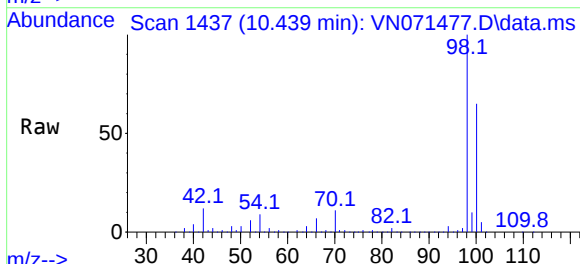


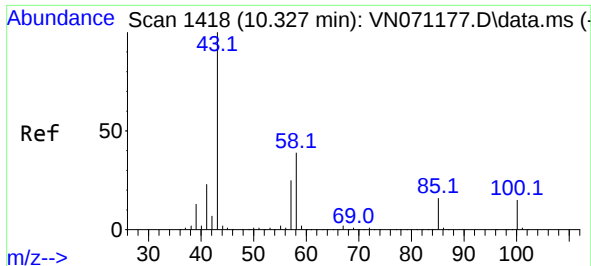
Tgt Ion: 43 Resp: 52817
Ion Ratio Lower Upper
43 100
61 0.6 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 48.382 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Tgt Ion: 98 Resp: 1478019
Ion Ratio Lower Upper
98 100
100 65.8 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.223 ug/l

RT: 10.328 min Scan# 1418

Delta R.T. 0.001 min

Lab File: VN071477.D

Acq: 22 Mar 2022 19:22

Instrument :

MSVOA_N

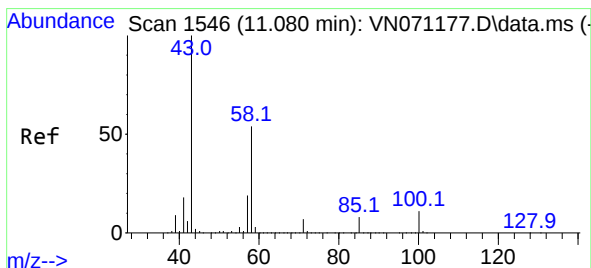
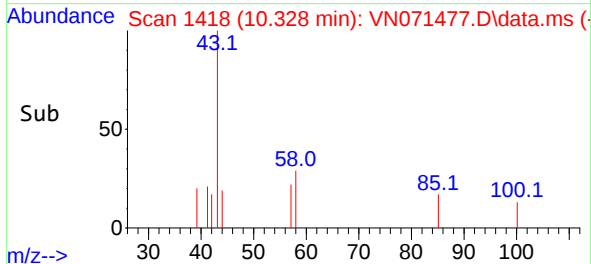
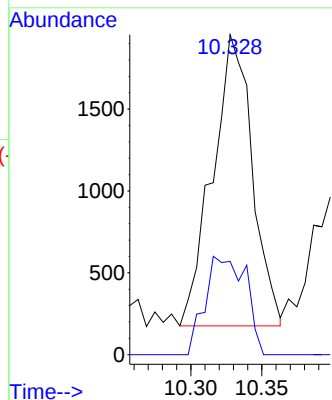
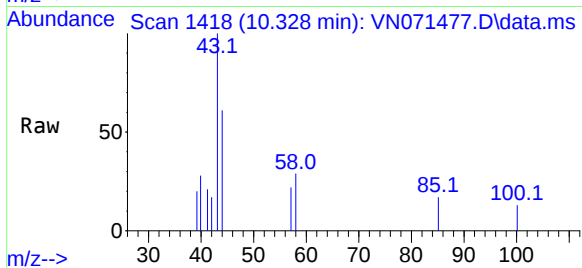
ClientSampleId :

Tgt Ion: 43 Resp: 3463

Ion Ratio Lower Upper

43 100

58 34.6 30.4 45.6



#59

2-Hexanone

Concen: 0.436 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071477.D

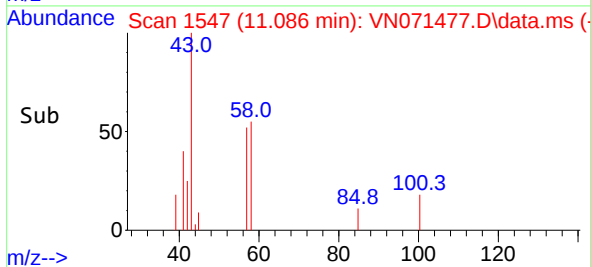
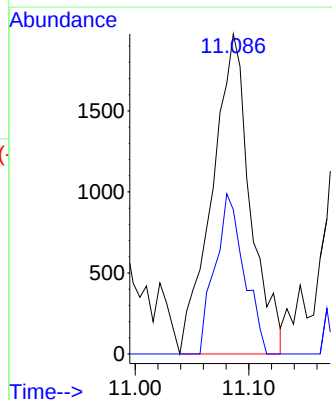
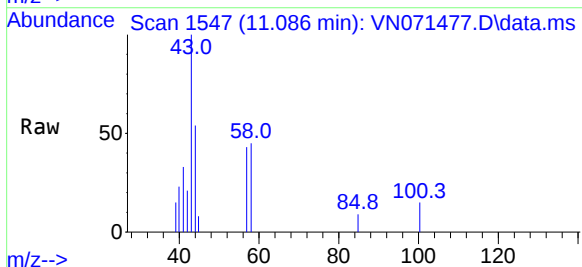
Acq: 22 Mar 2022 19:22

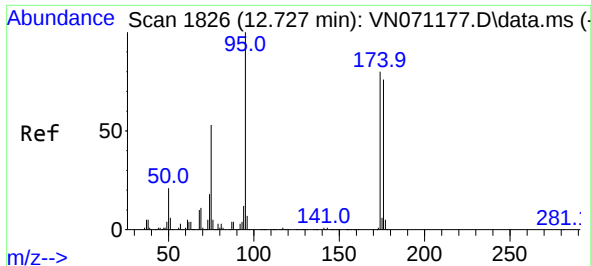
Tgt Ion: 43 Resp: 4617

Ion Ratio Lower Upper

43 100

58 38.0 26.9 80.7

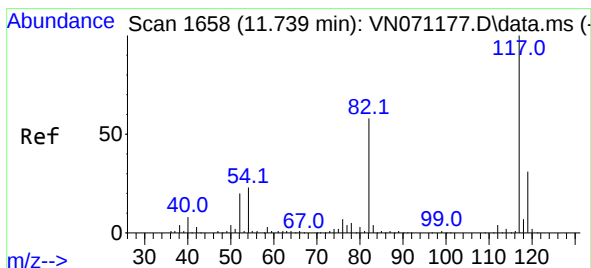
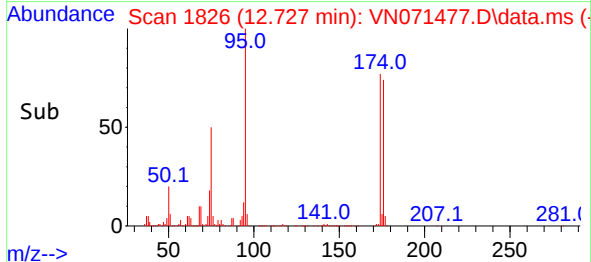
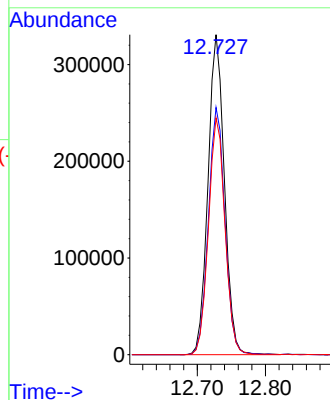
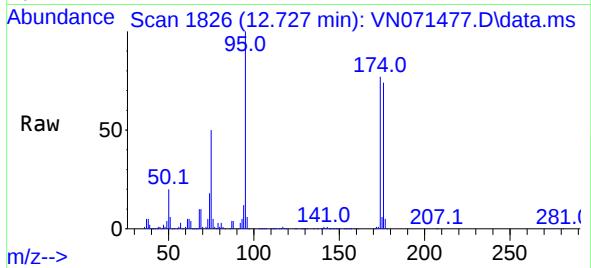




#62
4-Bromofluorobenzene
Concen: 53.471 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

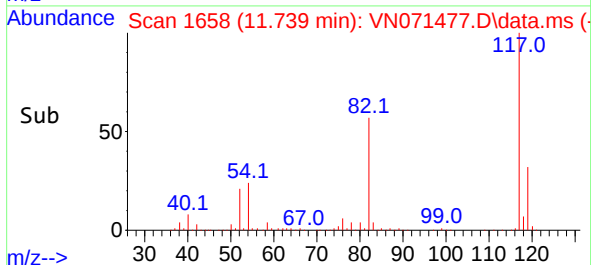
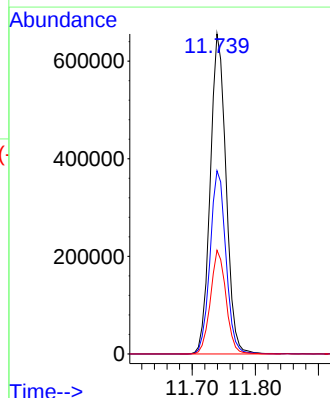
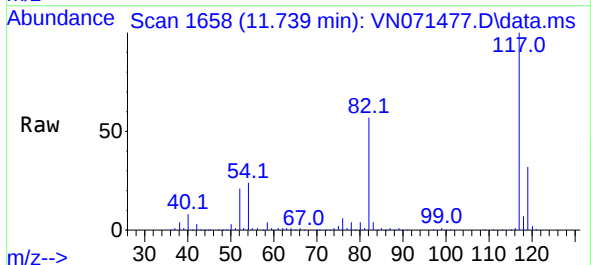
Instrument :
MSVOA_N
ClientSampleId :

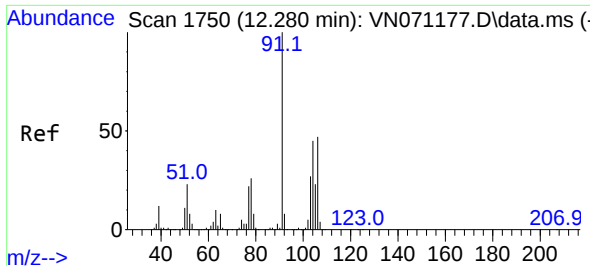
Tgt Ion: 95 Resp: 553133
Ion Ratio Lower Upper
95 100
174 78.4 0.0 187.2
176 74.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Tgt Ion: 117 Resp: 1139883
Ion Ratio Lower Upper
117 100
82 57.2 42.4 63.6
119 32.4 25.4 38.2

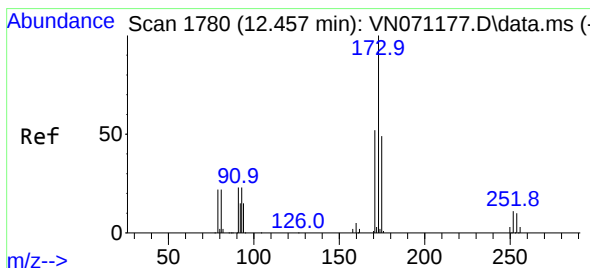
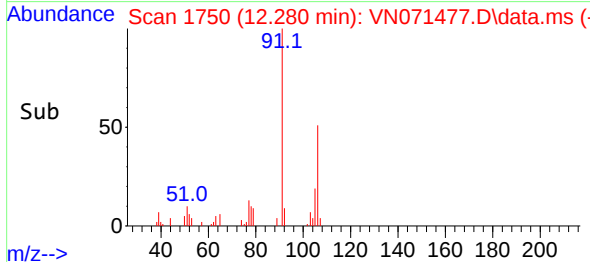
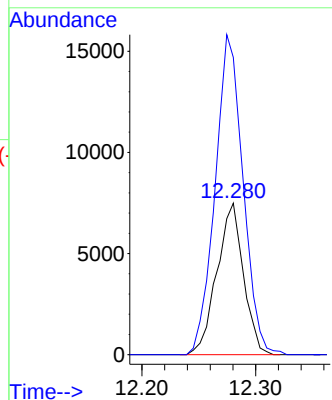
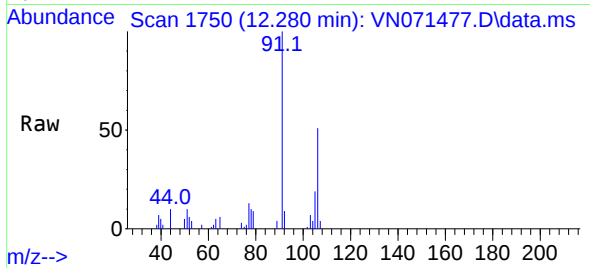




#69
o-Xylene
Concen: 0.766 ug/l
RT: 12.280 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

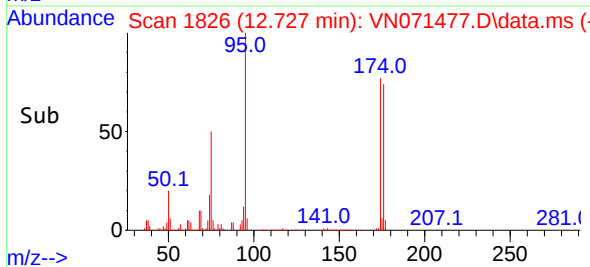
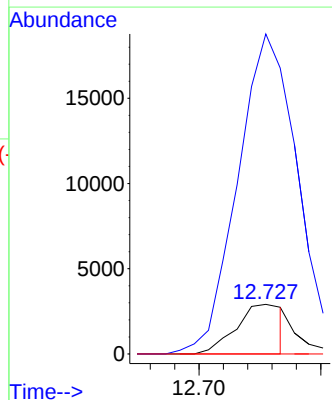
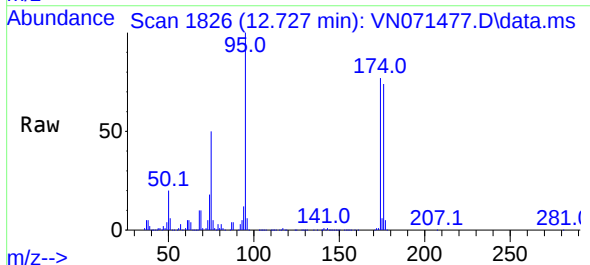
Instrument :
MSVOA_N
ClientSampleId :

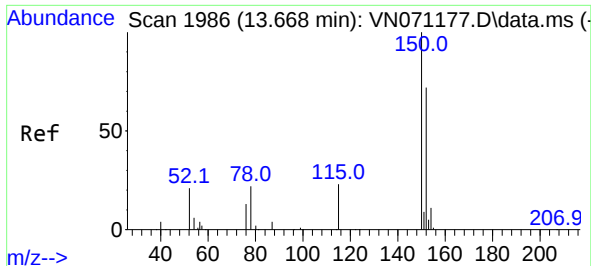
Tgt Ion:106 Resp: 12161
Ion Ratio Lower Upper
106 100
91 222.3 105.8 317.3



#71
Bromoform
Concen: 0.574 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

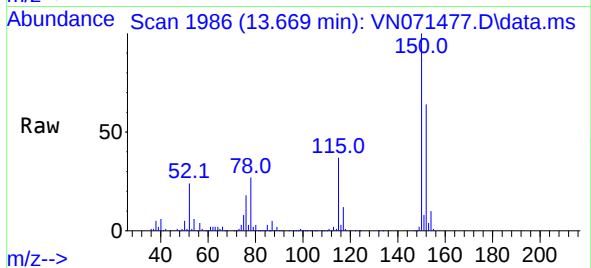
Tgt Ion:173 Resp: 3914
Ion Ratio Lower Upper
173 100
175 620.9 24.2 72.6#
254 0.0 0.0 0.0



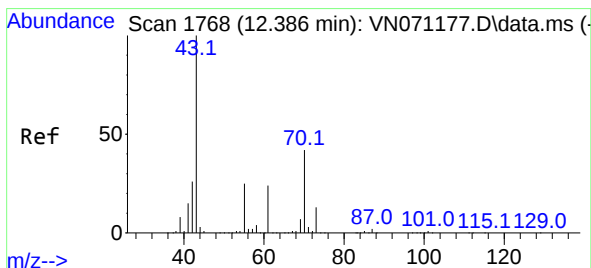
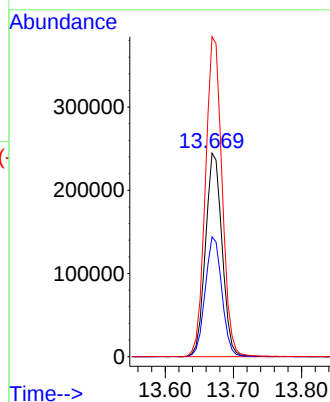
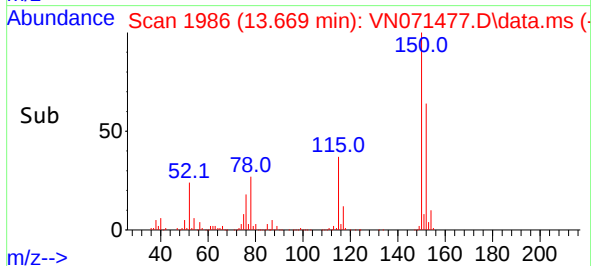


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

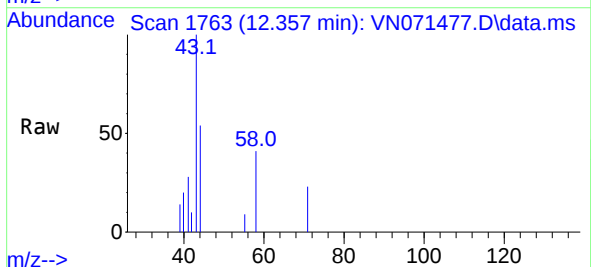
Instrument :
MSVOA_N
ClientSampleId :



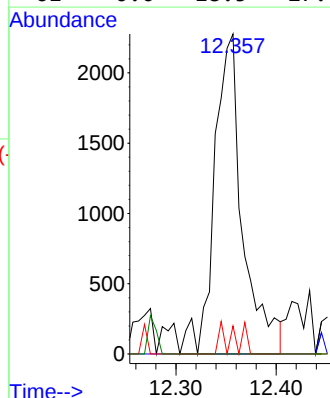
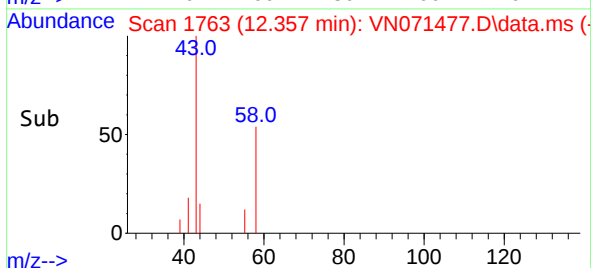
Tgt Ion:152 Resp: 414467
Ion Ratio Lower Upper
152 100
115 59.2 27.5 82.5
150 158.0 0.0 344.4

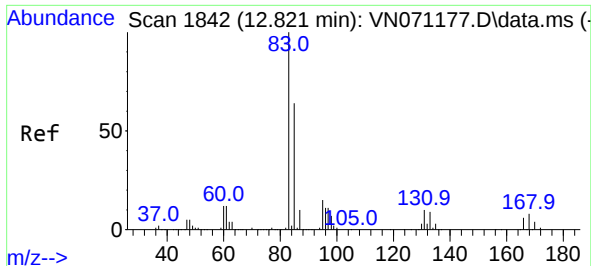


#74
N-ethyl acetate
Concen: 0.297 ug/l
RT: 12.357 min Scan# 1763
Delta R.T. -0.029 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22



Tgt Ion: 43 Resp: 4462
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.0#
55 1.8 19.3 28.9#
61 0.0 18.5 27.7#

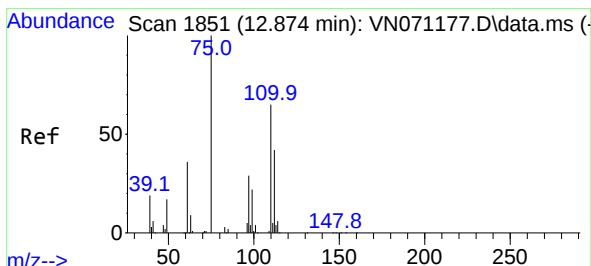
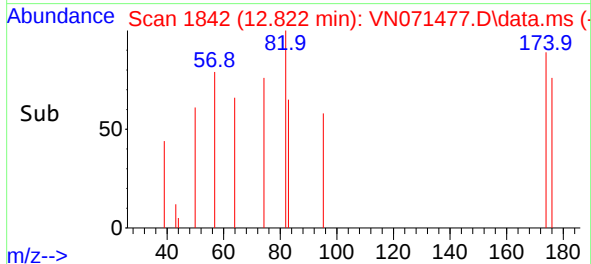
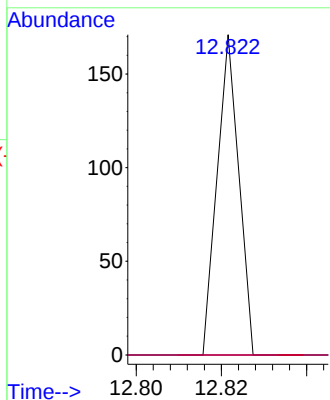
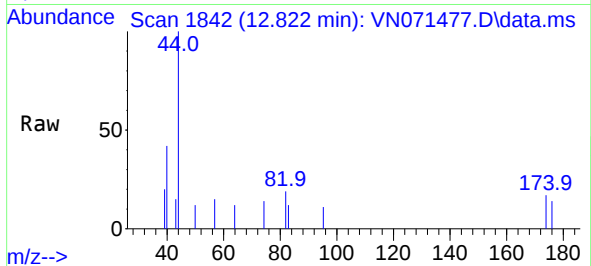




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.822 min Scan# 1842
Delta R.T. 0.001 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

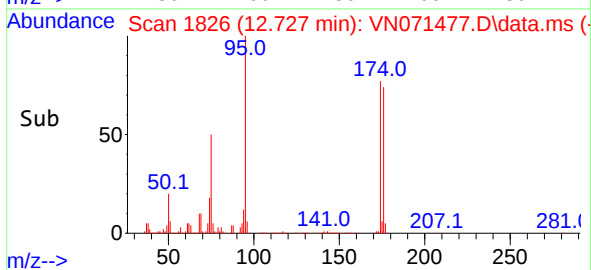
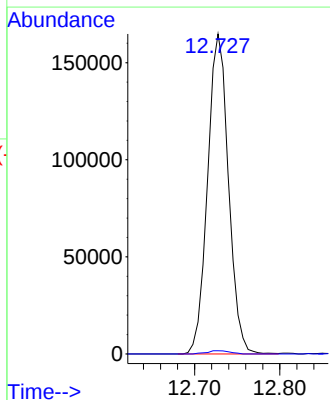
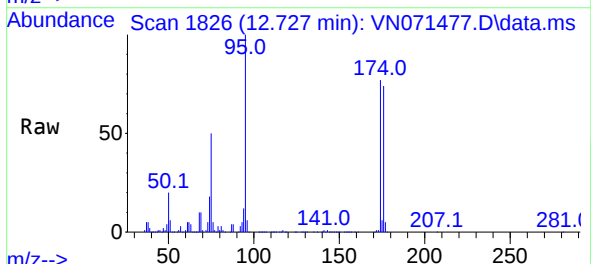
Instrument :
MSVOA_N
ClientSampleId :

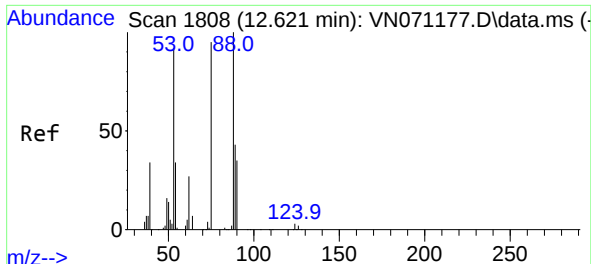
Tgt Ion: 83 Resp: 60
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.671 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Tgt Ion: 75 Resp: 281148
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

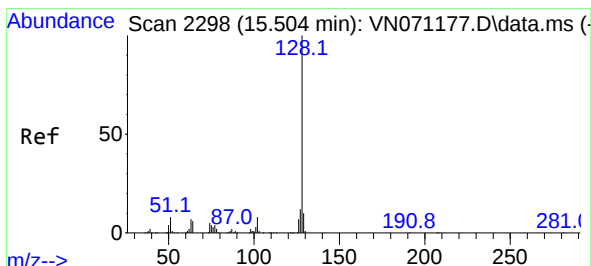
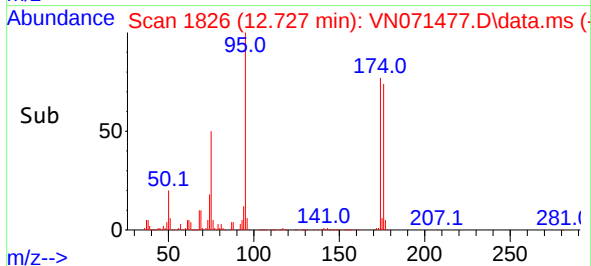
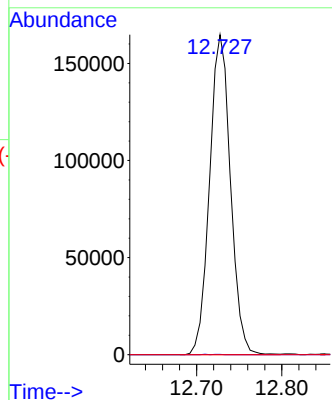
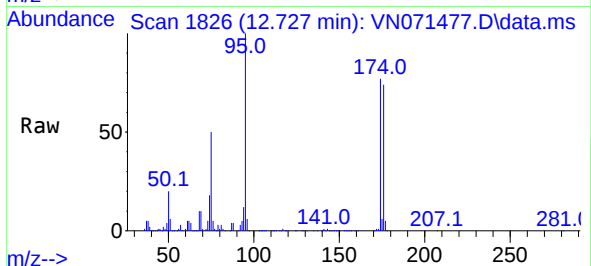




#81
trans-1,4-Dichloro-2-butene
Concen: 73.328 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 281148
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.127 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071477.D
Acq: 22 Mar 2022 19:22

Tgt Ion:128 Resp: 1248
Ion Ratio Lower Upper
128 100
127 9.6 10.5 15.7#
129 0.0 8.7 13.1#

