

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071944.D
 Acq On : 11 Apr 2022 18:29
 Operator : JC\MD
 Sample : PB143992ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:42:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

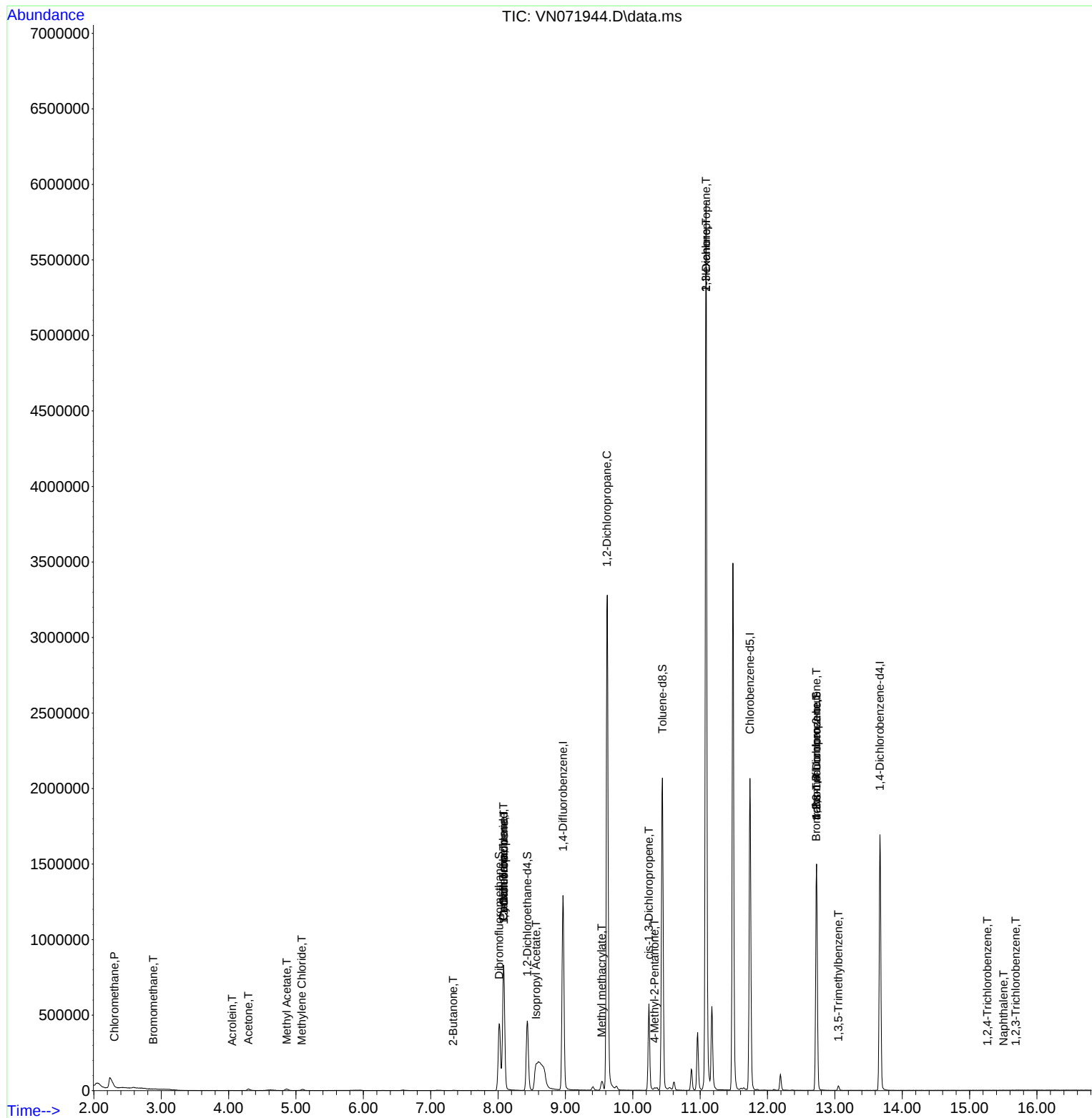
Internal Standards						
1) Pentafluorobenzene	8.081	168	694778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1204656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1271126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	507103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	383598	48.363	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.720%		
35) Dibromofluoromethane	8.016	113	340848	48.083	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.160%		
50) Toluene-d8	10.439	98	1525671	52.612	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.220%		
62) 4-Bromofluorobenzene	12.727	95	544849	58.096	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	116.200%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1792	0.256	ug/l #	75
5) Bromomethane	2.881	94	1319	0.264	ug/l	94
13) Acrolein	4.051	56	354	0.226	ug/l #	39
16) Acetone	4.293	43	16949	5.000	ug/l #	88
18) Methyl Acetate	4.863	43	22253	1.173	ug/l	97
20) Methylene Chloride	5.087	84	3551	0.497	ug/l #	78
25) 2-Butanone	7.334	43	3910	0.800	ug/l	98
31) Cyclohexane	8.081	56	11236	1.042	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	44462	4.492	ug/l #	48
38) Carbon Tetrachloride	8.081	117	60677	6.254	ug/l #	18
43) Isopropyl Acetate	8.563	43	190958	10.596	ug/l #	70
45) 1,2-Dichloropropane	9.616	63	4656	0.596	ug/l #	44
48) Methyl methacrylate	9.539	41	15271	2.042	ug/l #	10
49) 1,4-Dioxane	9.616	88	439	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.322	43	10942	1.056	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	114466	9.467	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	67247	4.944	ug/l #	43
59) 2-Hexanone	11.086	43	811910	111.296	ug/l #	48
71) Bromoform	12.721	173	2641	0.378	ug/l #	28
76) 1,2,3-Trichloropropane	12.727	75	260148	22.145	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	14846	0.438	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.727	75	260148	68.627	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	64	2.093	ug/l #	73
95) Naphthalene	15.504	128	631	3.828	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.686	180	66	2.422	ug/l #	12

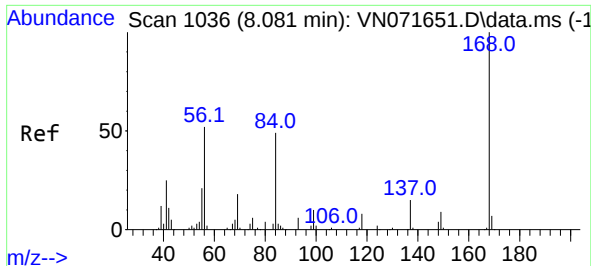
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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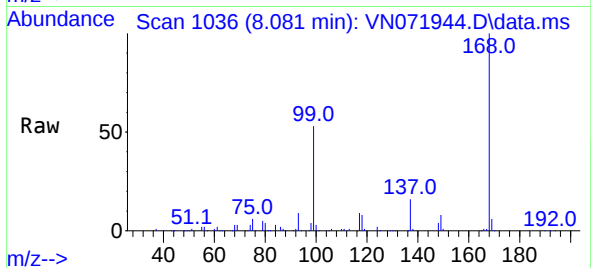
Quant Time: Apr 12 08:42:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration



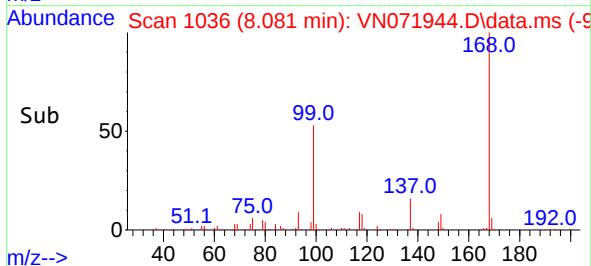
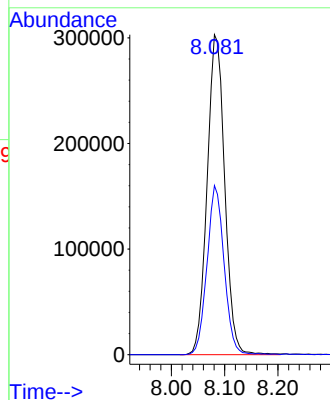


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Instrument :
MSVOA_N
ClientSampleId :

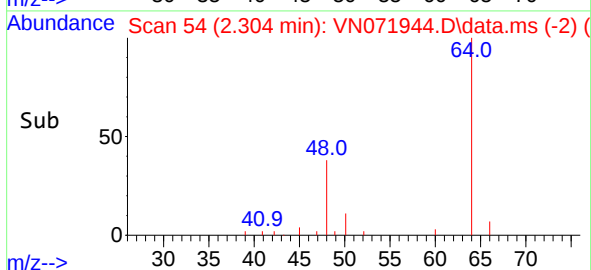
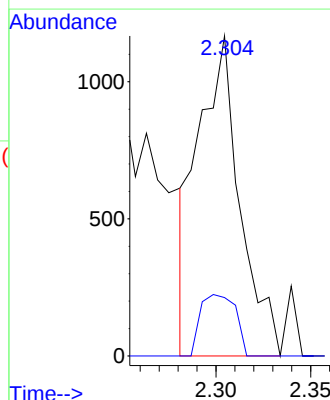
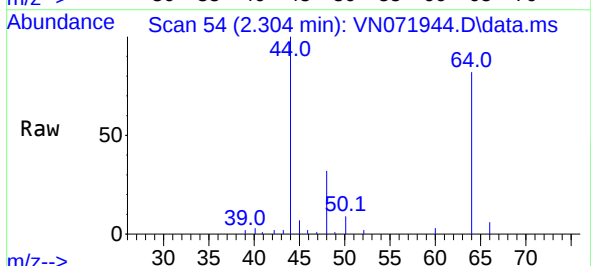


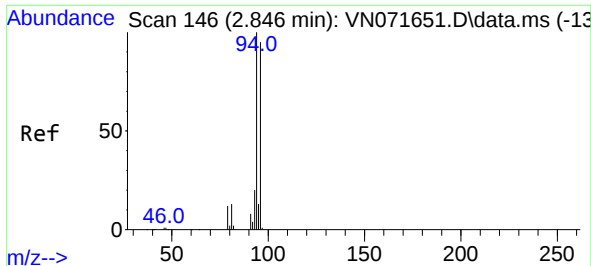
Tgt Ion:168 Resp: 694778
Ion Ratio Lower Upper
168 100
99 52.9 42.3 63.5



#3
Chloromethane
Concen: 0.256 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Tgt Ion: 50 Resp: 1792
Ion Ratio Lower Upper
50 100
52 18.3 25.7 38.5#

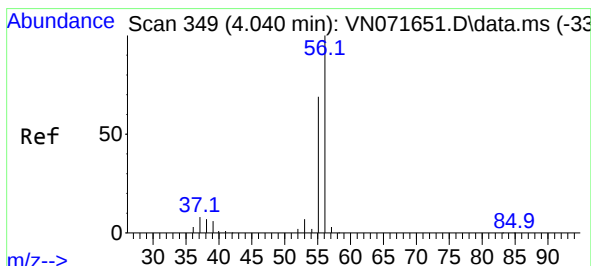
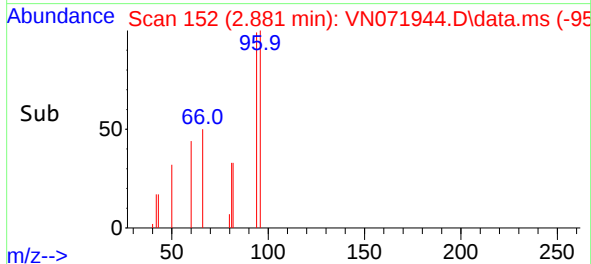
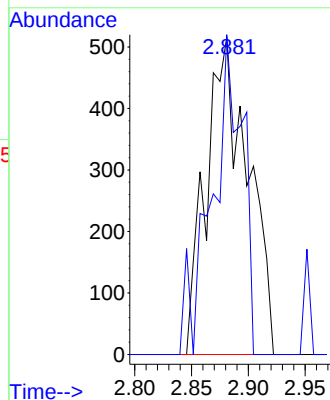
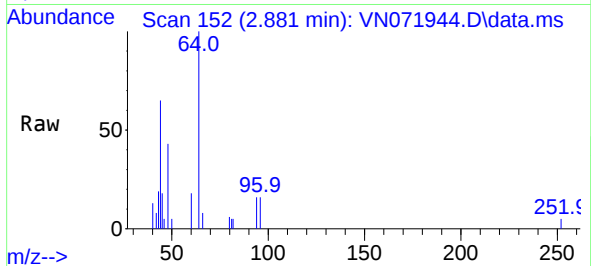




#5
Bromomethane
Concen: 0.264 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

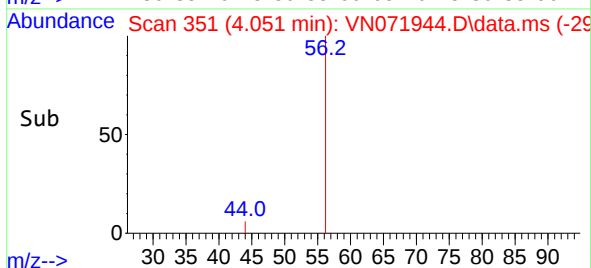
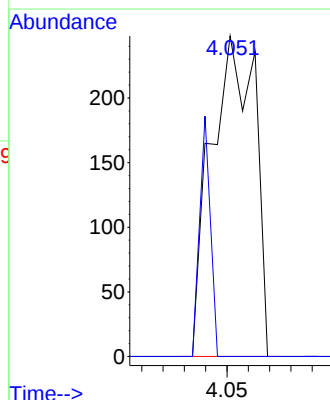
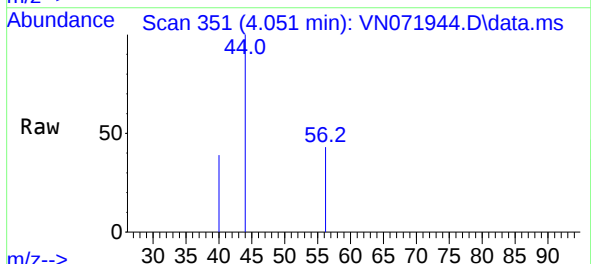
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 1319
Ion Ratio Lower Upper
94 100
96 100.8 76.0 114.0



#13
Acrolein
Concen: 0.226 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.011 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Tgt Ion: 56 Resp: 354
Ion Ratio Lower Upper
56 100
55 18.6 54.8 82.2#

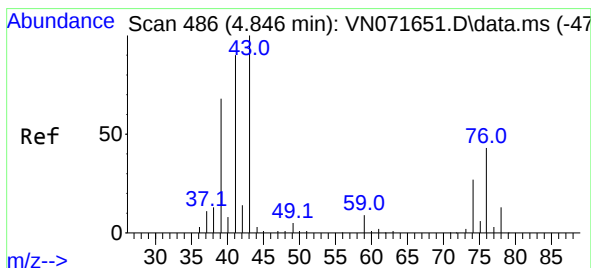
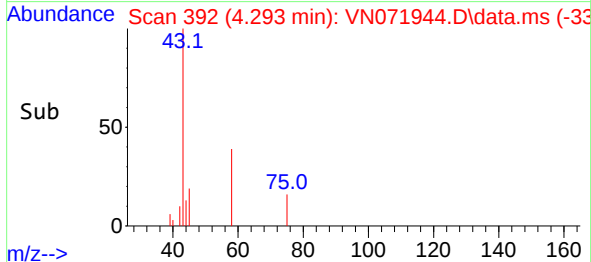
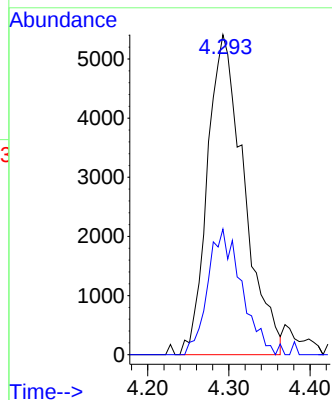
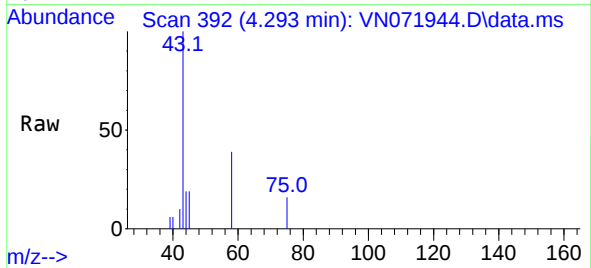




#16
Acetone
Concen: 5.000 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

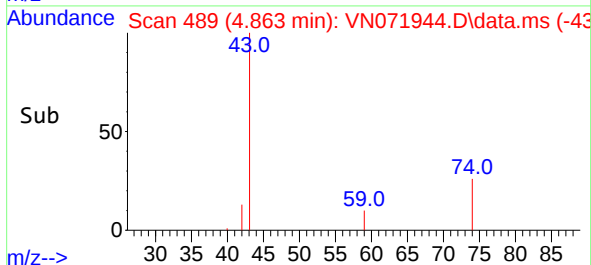
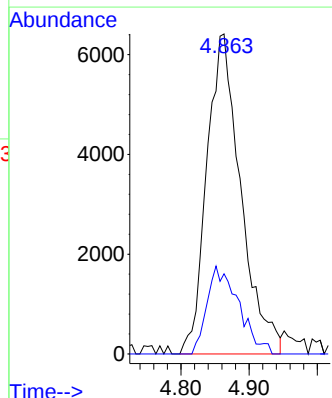
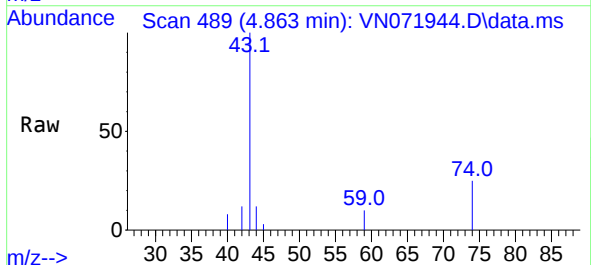
Instrument :
MSVOA_N
ClientSampleId :

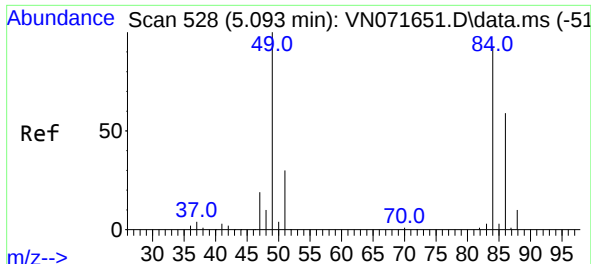
Tgt Ion: 43 Resp: 16949
Ion Ratio Lower Upper
43 100
58 39.2 26.0 39.0#



#18
Methyl Acetate
Concen: 1.173 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

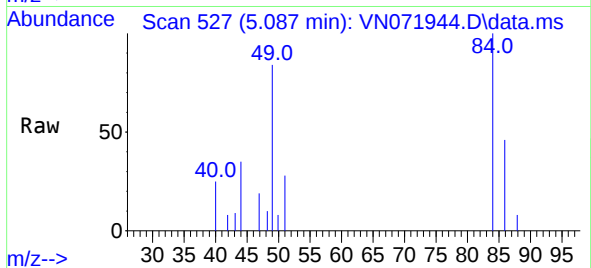
Tgt Ion: 43 Resp: 22253
Ion Ratio Lower Upper
43 100
74 25.6 21.6 32.4



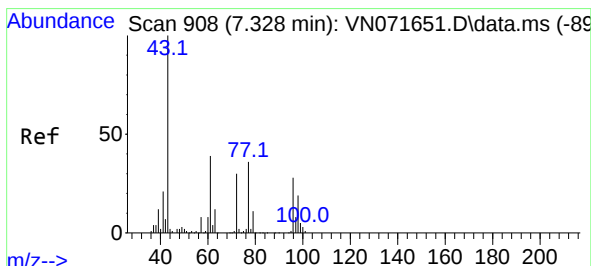
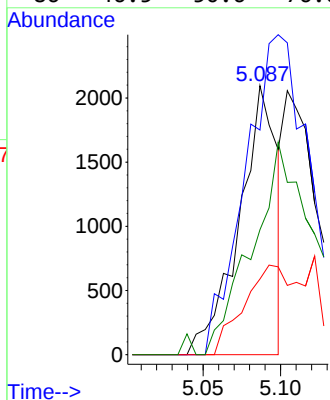
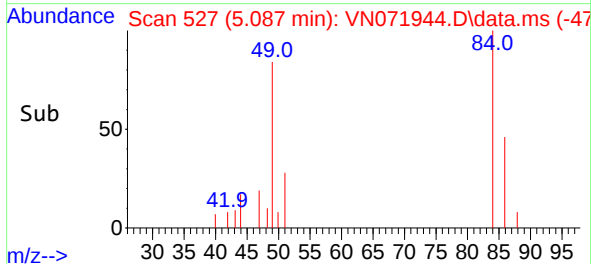


#20
Methylene Chloride
Concen: 0.497 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Instrument :
MSVOA_N
ClientSampleId :

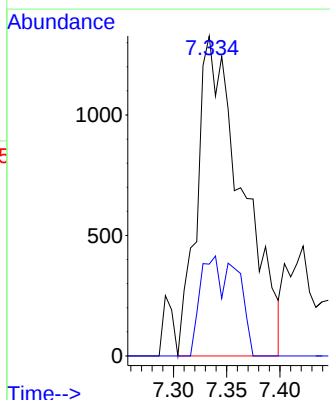
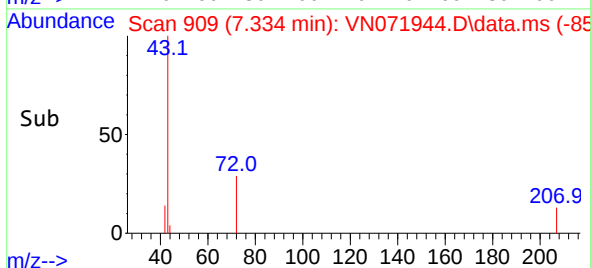
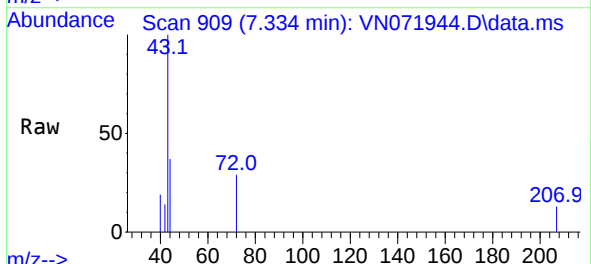


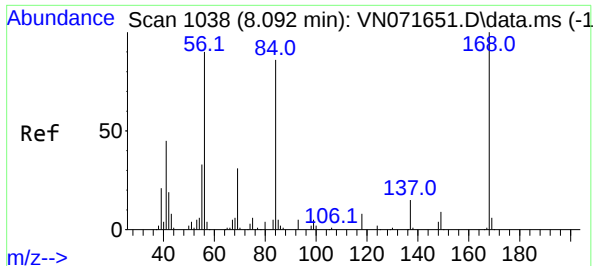
Tgt Ion: 84 Resp: 3551
Ion Ratio Lower Upper
84 100
49 83.5 88.3 132.5#
51 28.2 28.2 42.2
86 46.5 50.6 76.0#



#25
2-Butanone
Concen: 0.800 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

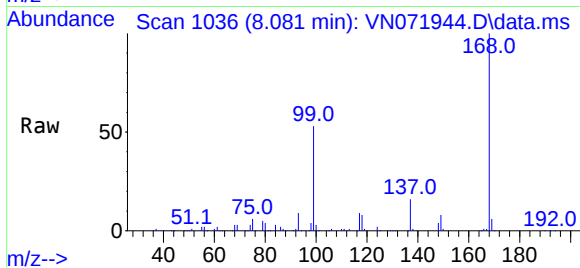
Tgt Ion: 43 Resp: 3910
Ion Ratio Lower Upper
43 100
72 28.7 23.7 35.5



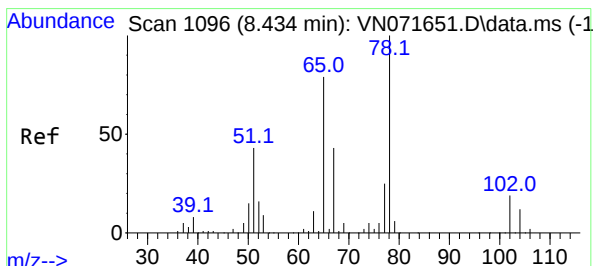
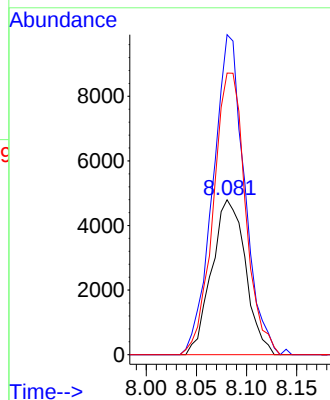
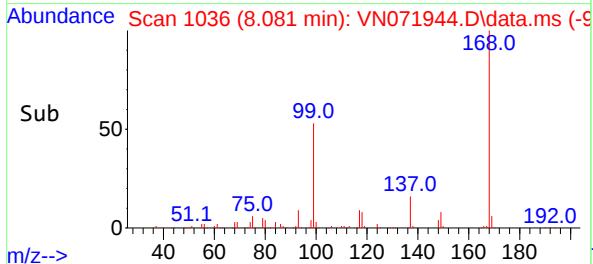


#31
Cyclohexane
Concen: 1.042 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Instrument :
MSVOA_N
ClientSampleId :

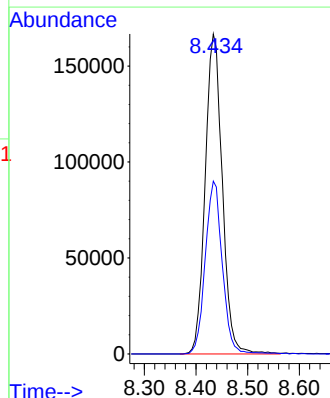
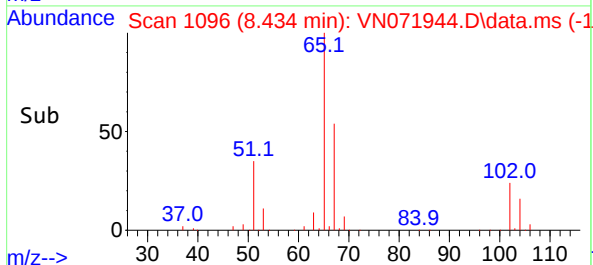
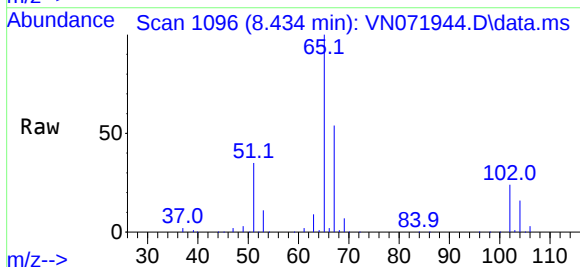


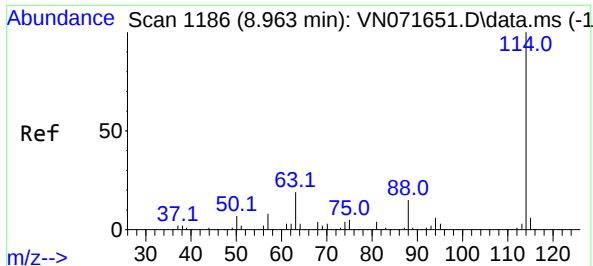
Tgt Ion: 56 Resp: 11236
Ion Ratio Lower Upper
56 100
69 206.5 27.8 41.8#
84 181.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.363 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Tgt Ion: 65 Resp: 383598
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071944.D

Acq: 11 Apr 2022 18:29

Instrument :

MSVOA_N

ClientSampleId :

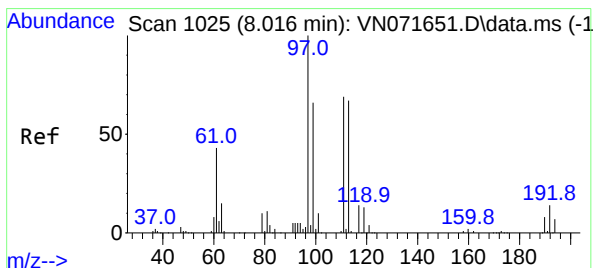
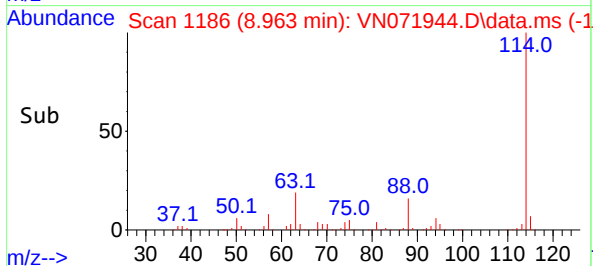
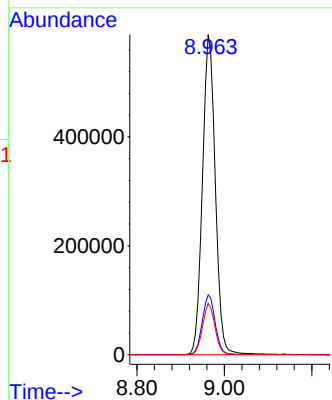
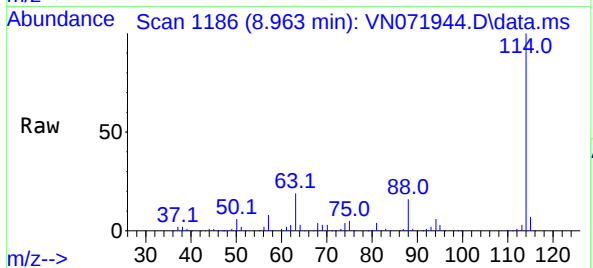
Tgt Ion:114 Resp: 1204656

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 16.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.083 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN071944.D

Acq: 11 Apr 2022 18:29

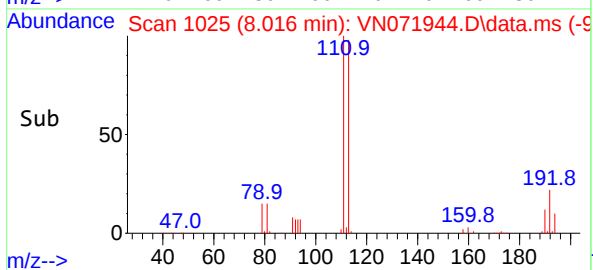
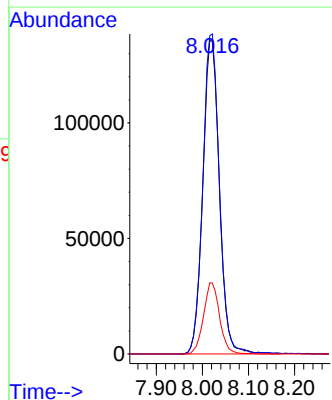
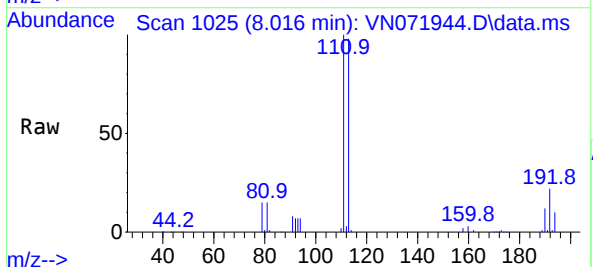
Tgt Ion:113 Resp: 340848

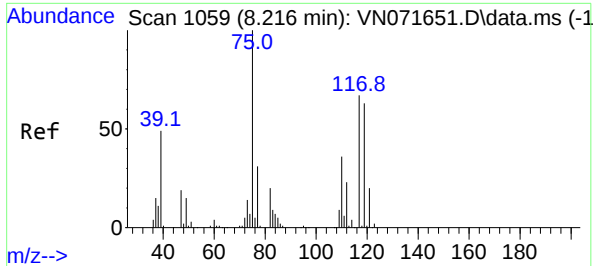
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

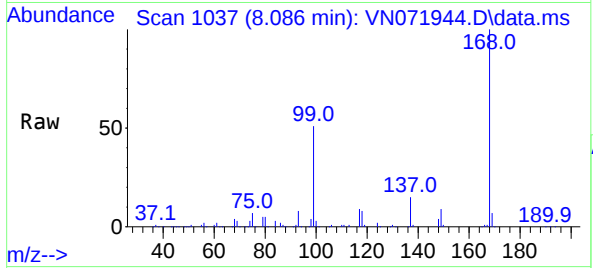
192 22.0 17.0 25.6



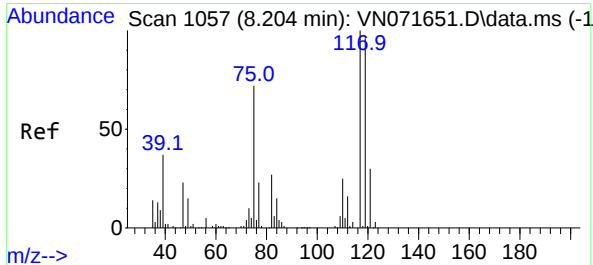
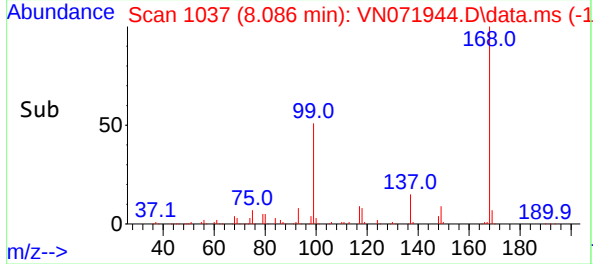
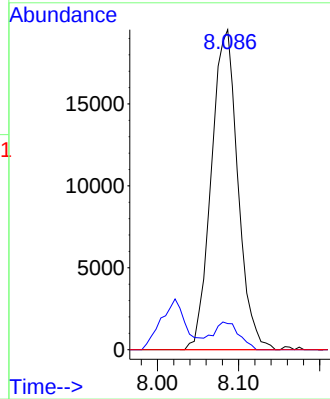


#36
 1,1-Dichloropropene
 Concen: 4.492 ug/l
 RT: 8.086 min Scan# 1037
 Delta R.T. -0.130 min
 Lab File: VN071944.D
 Acq: 11 Apr 2022 18:29

Instrument :
 MSVOA_N
 ClientSampleId :

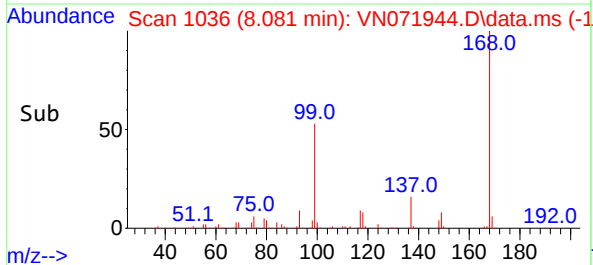
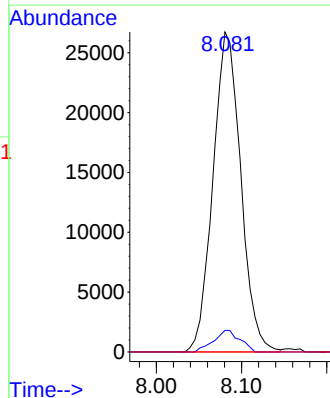
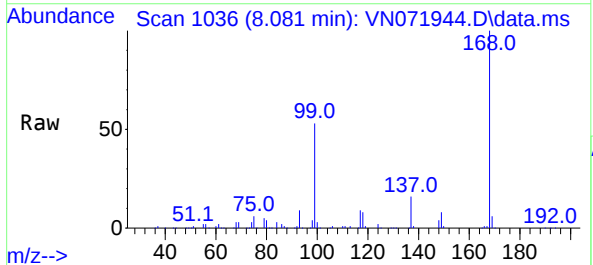


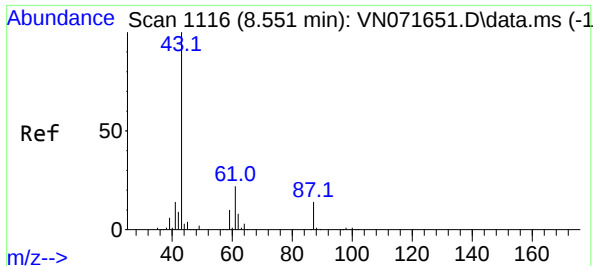
Tgt Ion: 75 Resp: 44462
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.254 ug/l
 RT: 8.081 min Scan# 1036
 Delta R.T. -0.123 min
 Lab File: VN071944.D
 Acq: 11 Apr 2022 18:29

Tgt Ion: 117 Resp: 60677
 Ion Ratio Lower Upper
 117 100
 119 6.8 75.8 113.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 10.596 ug/l

RT: 8.563 min Scan# 1118

Delta R.T. 0.012 min

Lab File: VN071944.D

Acq: 11 Apr 2022 18:29

Instrument :

MSVOA_N

ClientSampleId :

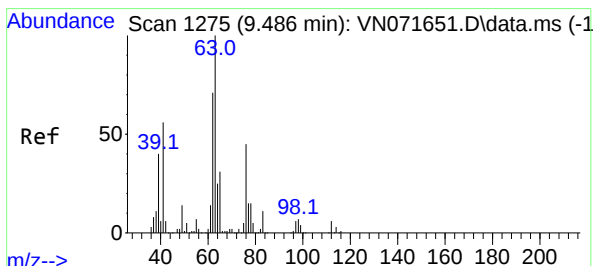
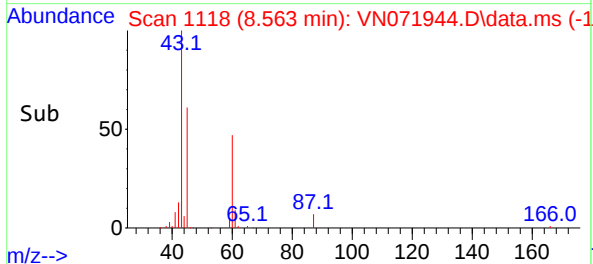
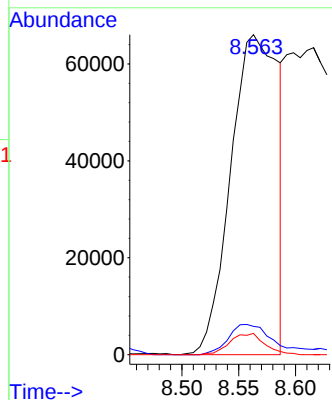
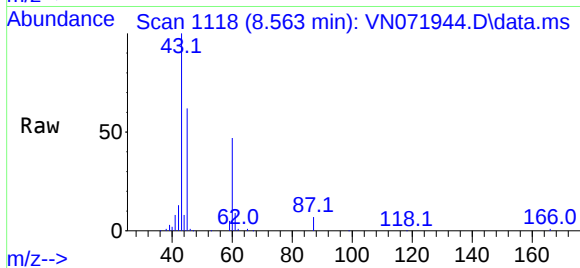
Tgt Ion: 43 Resp: 190958

Ion Ratio Lower Upper

43 100

61 9.9 21.9 32.9#

87 4.9 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.596 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.130 min

Lab File: VN071944.D

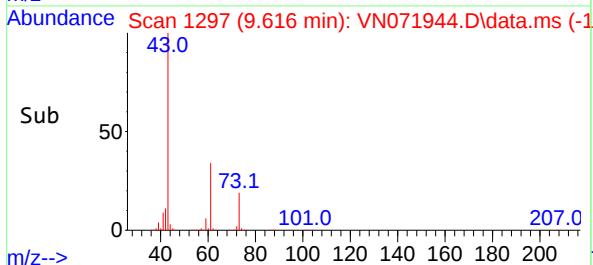
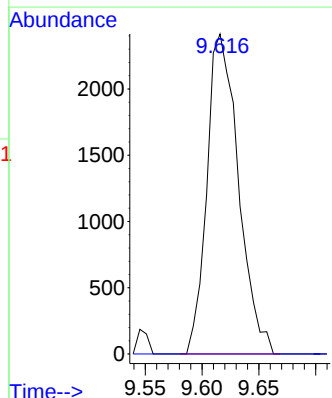
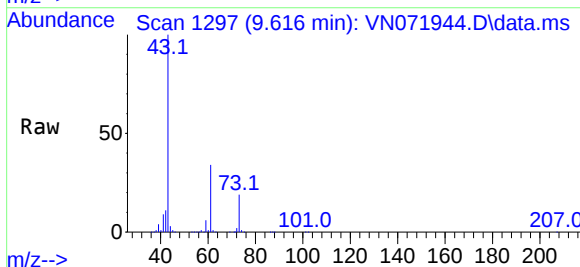
Acq: 11 Apr 2022 18:29

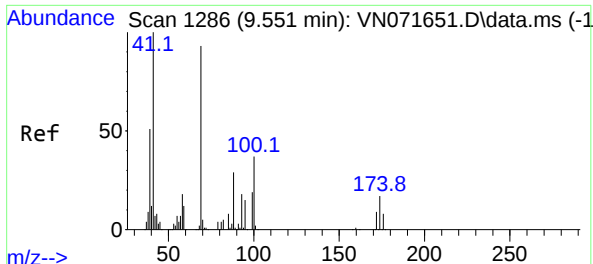
Tgt Ion: 63 Resp: 4656

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

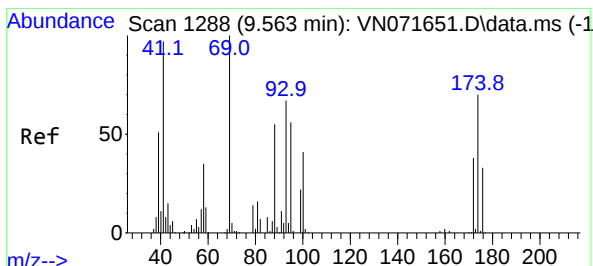
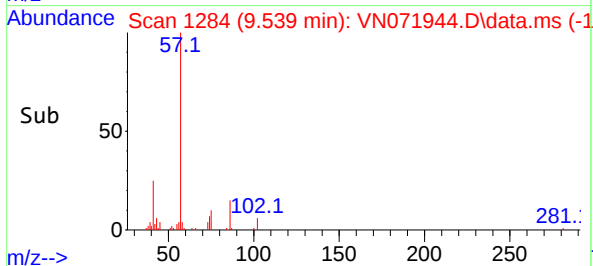
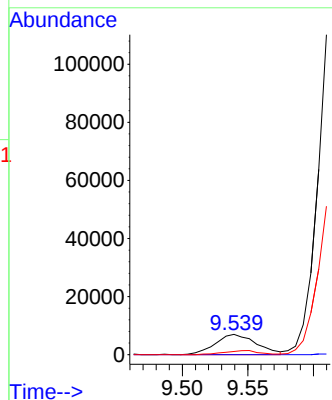
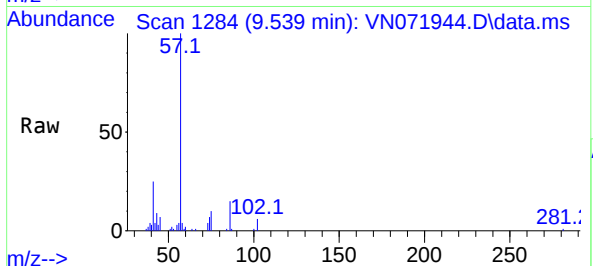




#48
Methyl methacrylate
Concen: 2.042 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

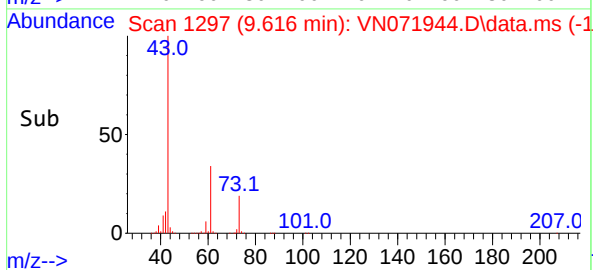
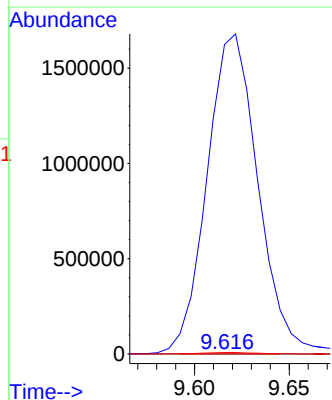
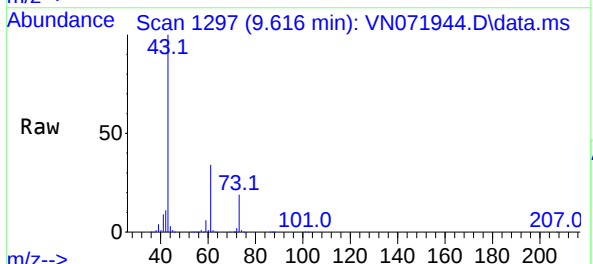
Instrument :
MSVOA_N
ClientSampleId :

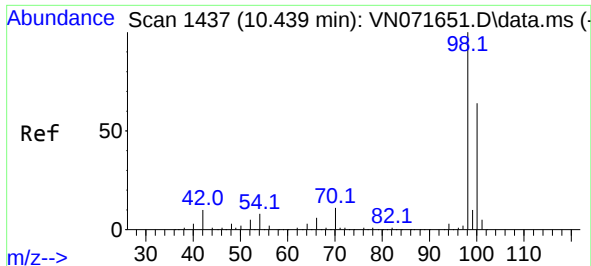
Tgt Ion: 41 Resp: 15271
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Tgt Ion: 88 Resp: 439
Ion Ratio Lower Upper
88 100
43 727021.9 20.2 30.4#
58 3418.2 54.2 81.4#

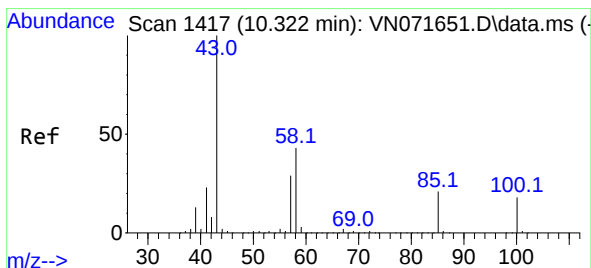
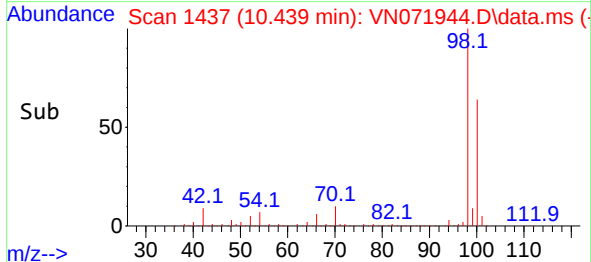
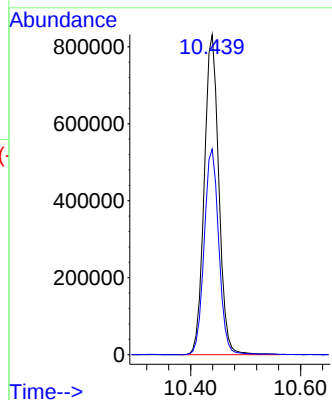
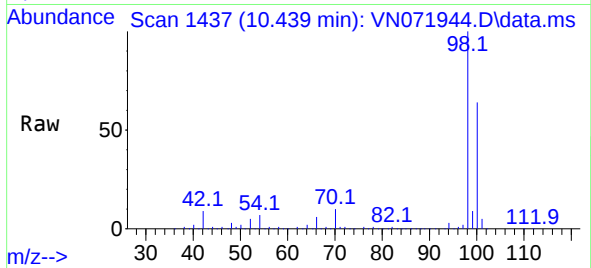




#50
Toluene-d8
Concen: 52.612 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

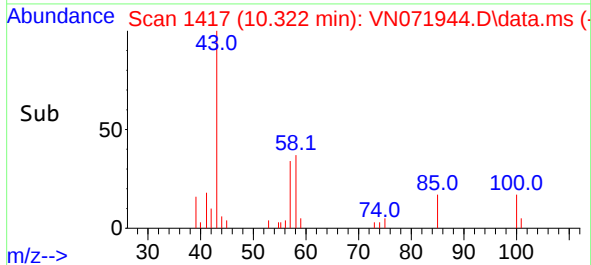
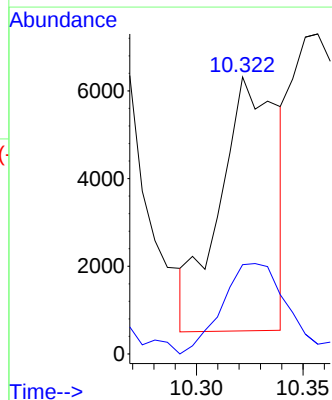
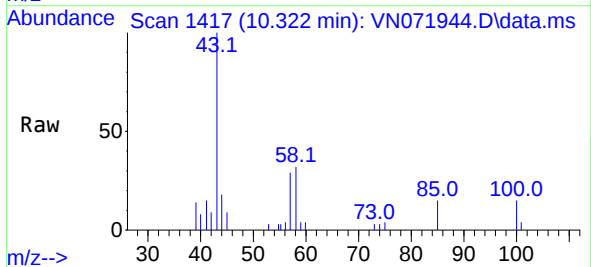
Instrument :
MSVOA_N
ClientSampleId :

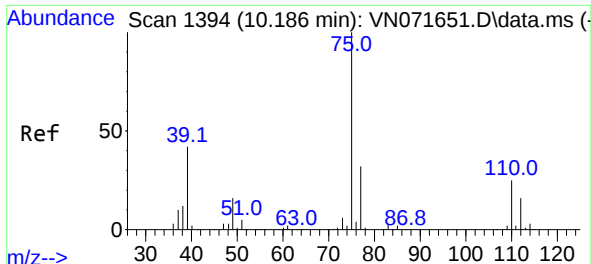
Tgt Ion: 98 Resp: 1525671
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.056 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Tgt Ion: 43 Resp: 10942
Ion Ratio Lower Upper
43 100
58 41.2 34.1 51.1

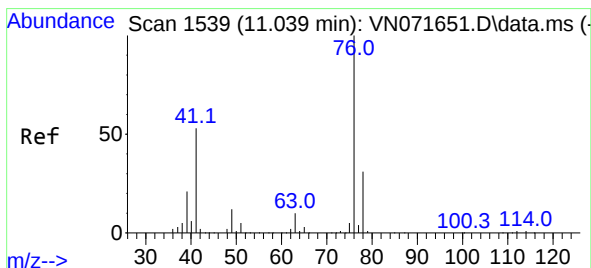
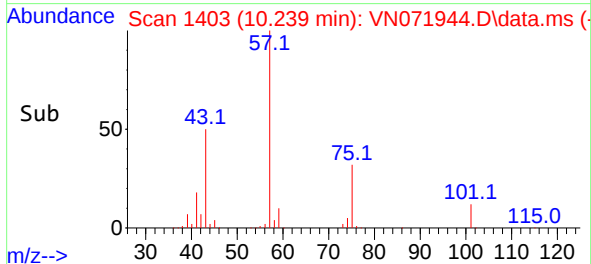
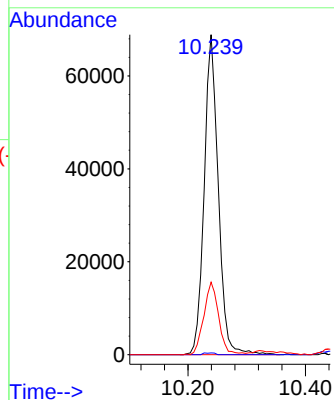
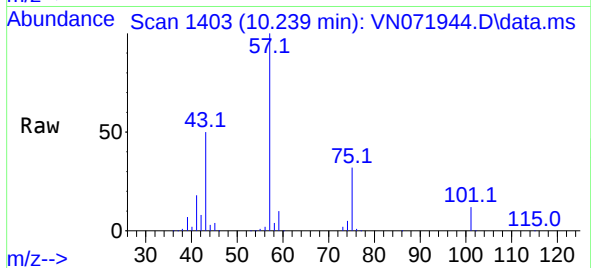




#54
cis-1,3-Dichloropropene
Concen: 9.467 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

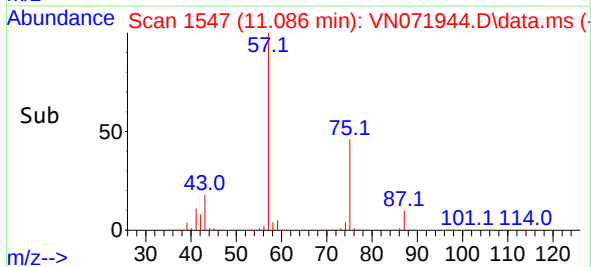
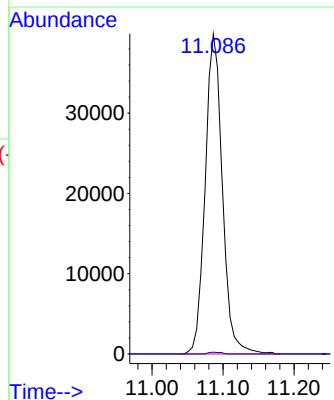
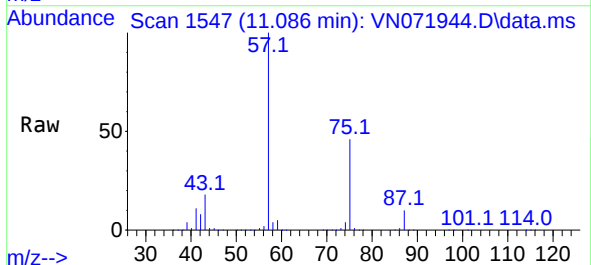
Instrument :
MSVOA_N
ClientSampleId :

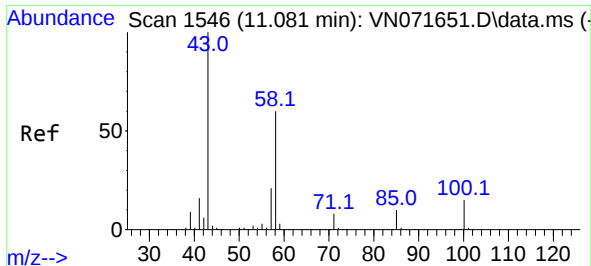
Tgt Ion: 75 Resp: 114466
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 22.7 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.944 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Tgt Ion: 76 Resp: 67247
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

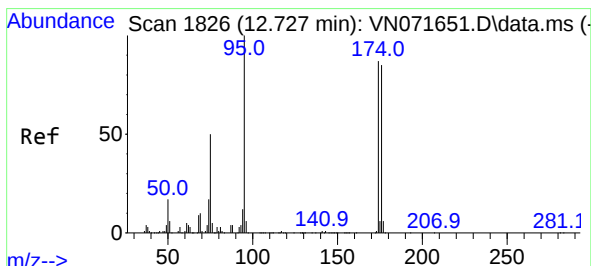
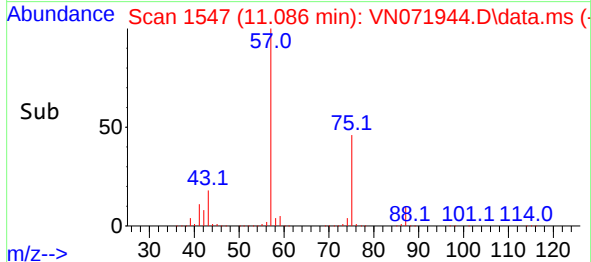
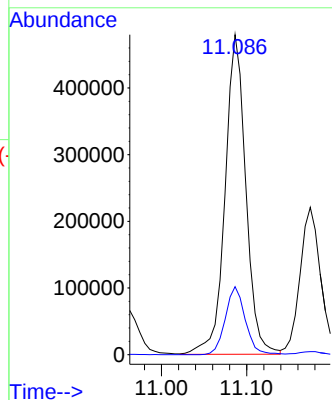
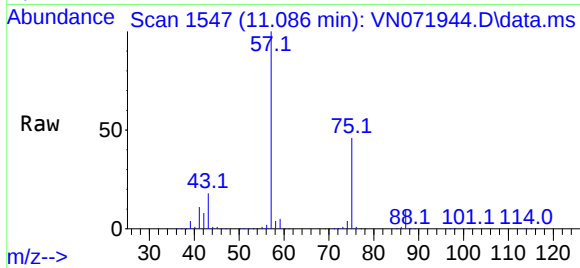




#59
2-Hexanone
Concen: 111.296 ug/l
RT: 11.086 min Scan# 111910
Delta R.T. 0.005 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

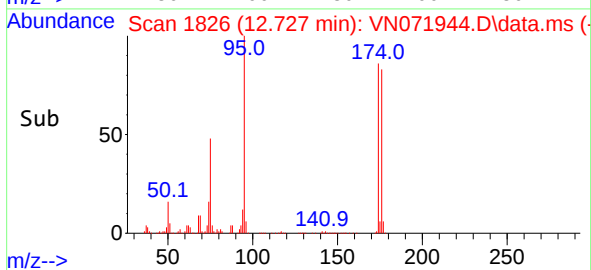
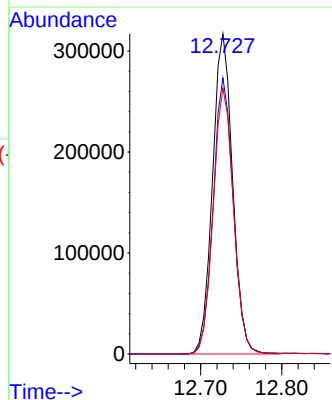
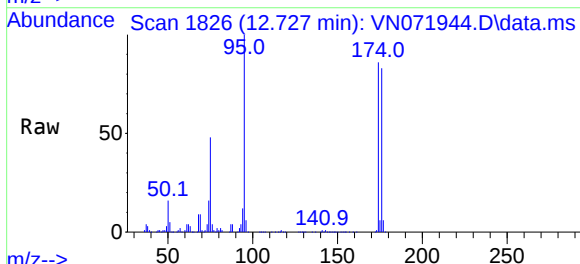
Instrument :
MSVOA_N
ClientSampleId :

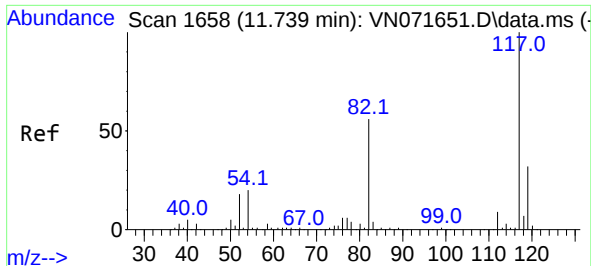
Tgt Ion: 43 Resp: 811910
Ion Ratio Lower Upper
43 100
58 20.5 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.096 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Tgt Ion: 95 Resp: 544849
Ion Ratio Lower Upper
95 100
174 86.3 0.0 167.6
176 83.8 0.0 163.4

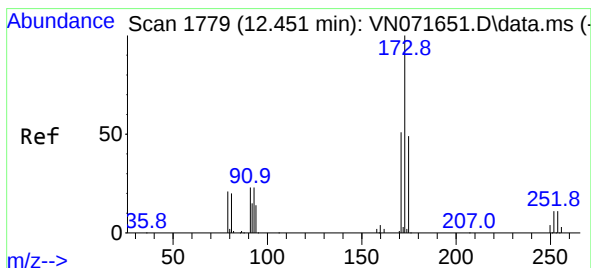
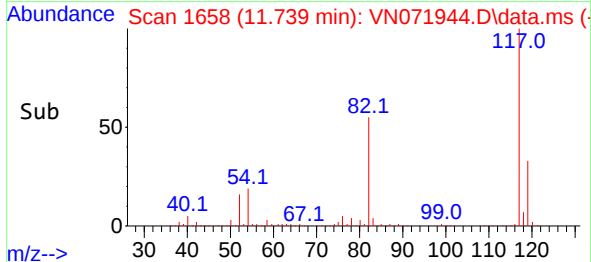
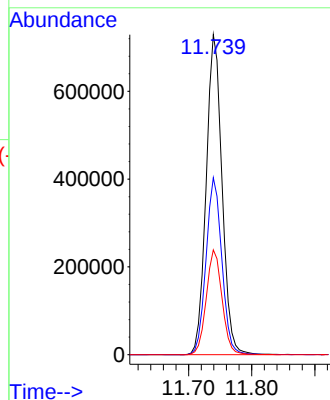
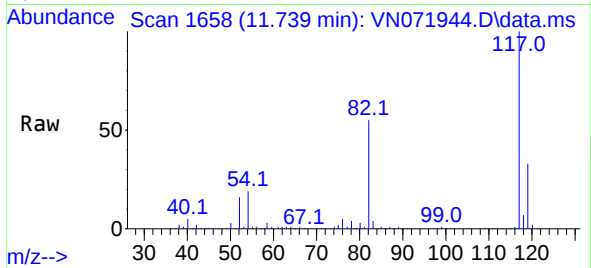




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

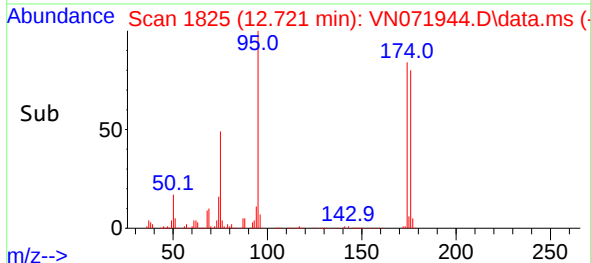
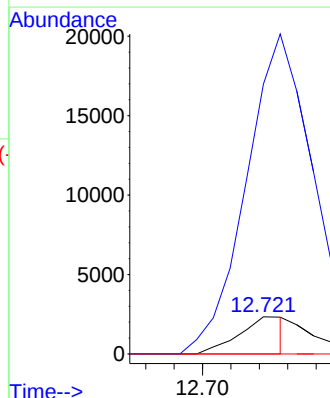
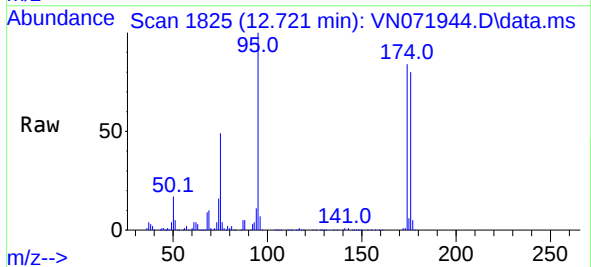
Instrument :
MSVOA_N
ClientSampleId :

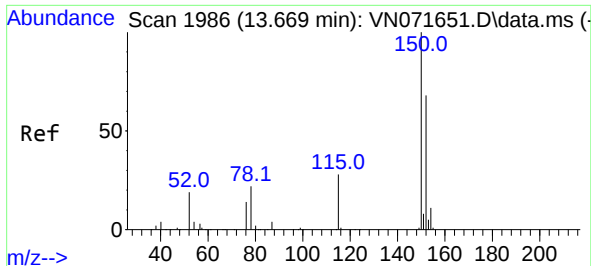
Tgt Ion:117 Resp: 1271126
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.2
119 32.8 25.4 38.0



#71
Bromoform
Concen: 0.378 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

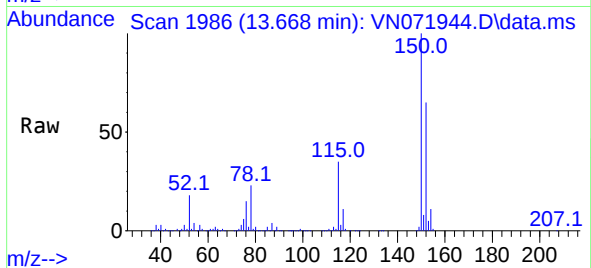
Tgt Ion:173 Resp: 2641
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



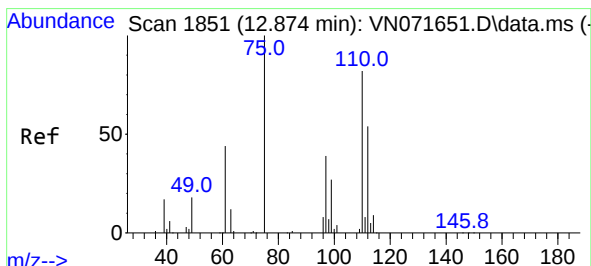
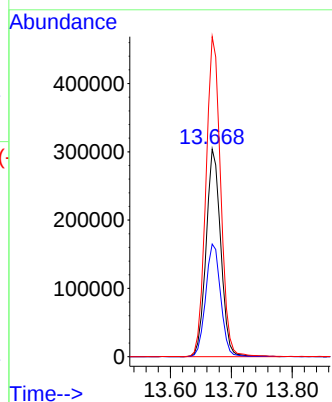
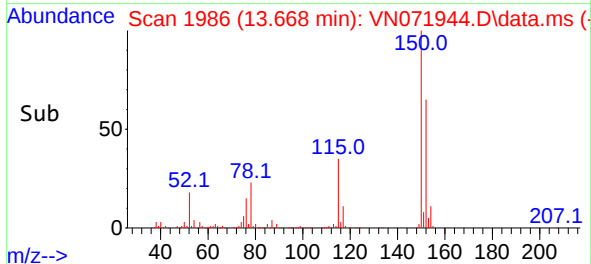


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Instrument :
MSVOA_N
ClientSampleId :

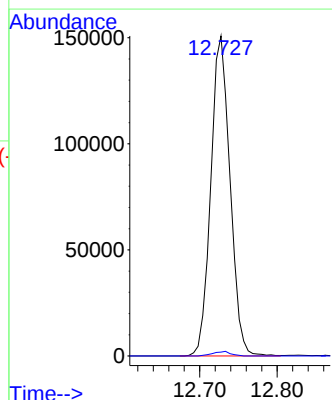
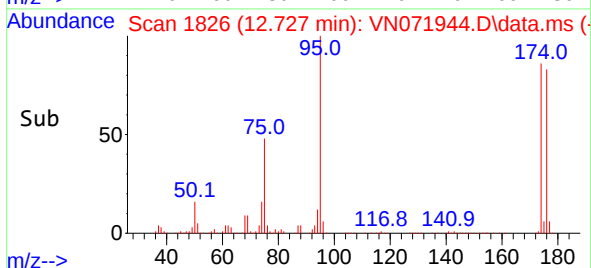
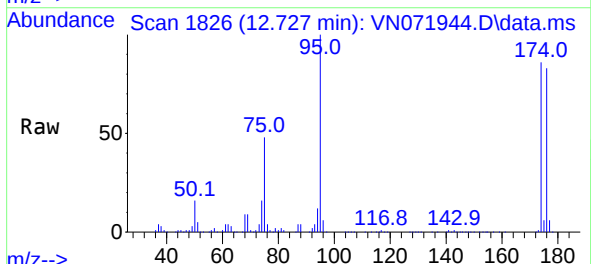


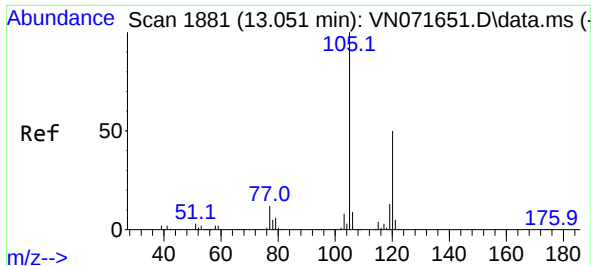
Tgt Ion:152 Resp: 507103
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 155.2 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 22.145 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Tgt Ion: 75 Resp: 260148
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

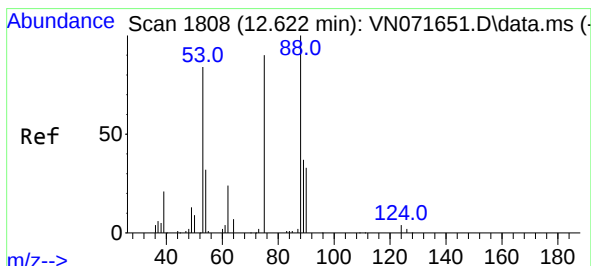
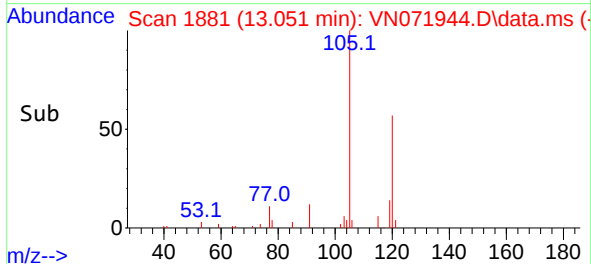
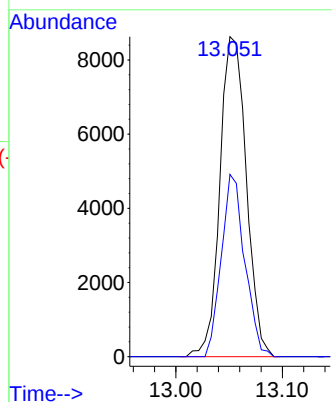
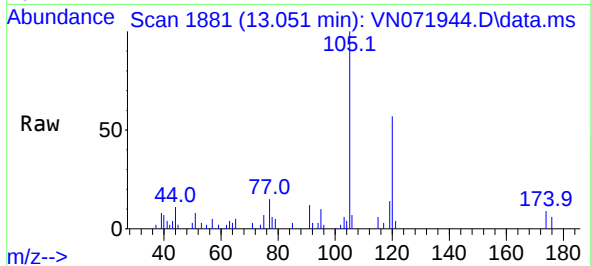




#80
1,3,5-Trimethylbenzene
Concen: 0.438 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

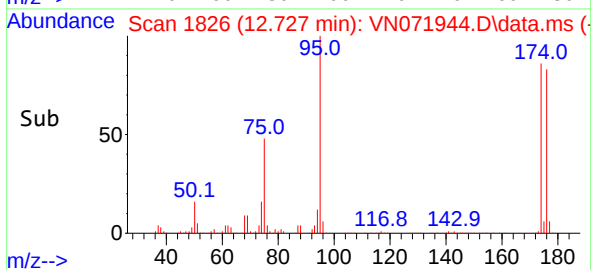
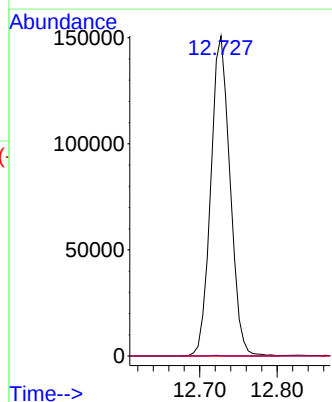
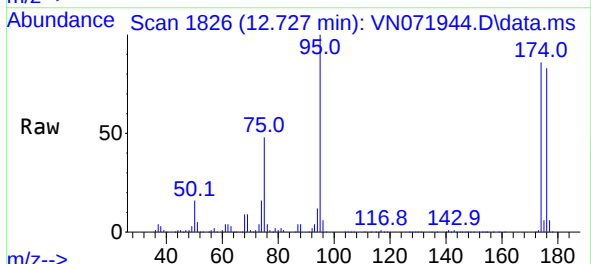
Instrument :
MSVOA_N
ClientSampleId :

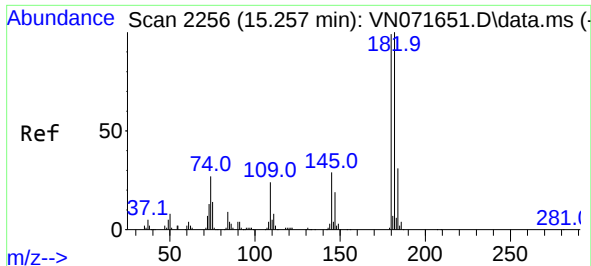
Tgt Ion:105 Resp: 14846
Ion Ratio Lower Upper
105 100
120 50.6 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 68.627 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

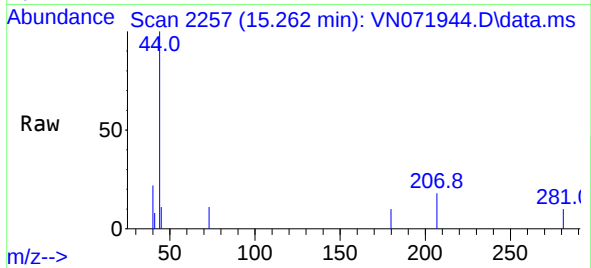
Tgt Ion: 75 Resp: 260148
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



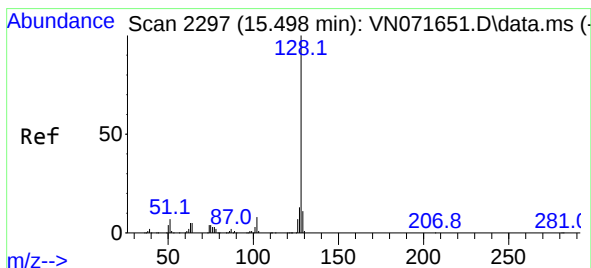
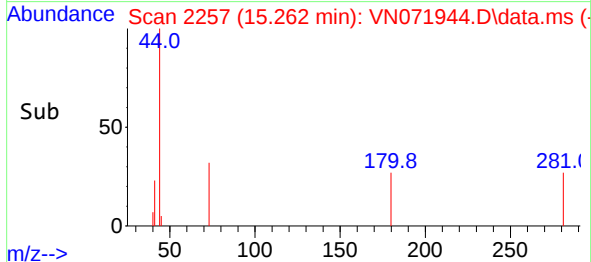
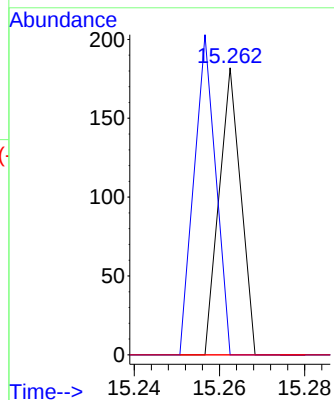


#93
1,2,4-Trichlorobenzene
Concen: 2.093 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

Instrument :
MSVOA_N
ClientSampleId :

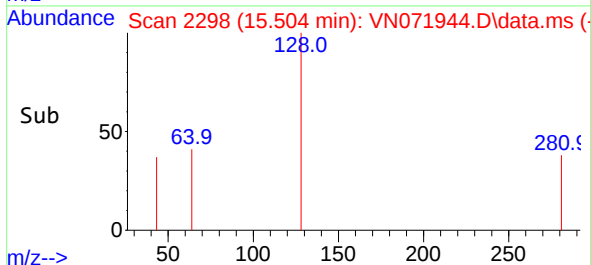
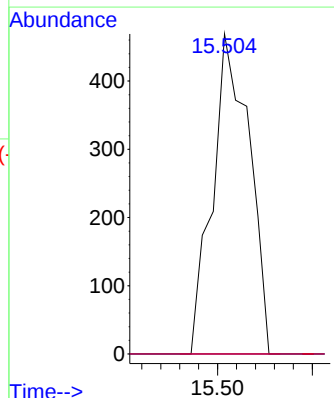
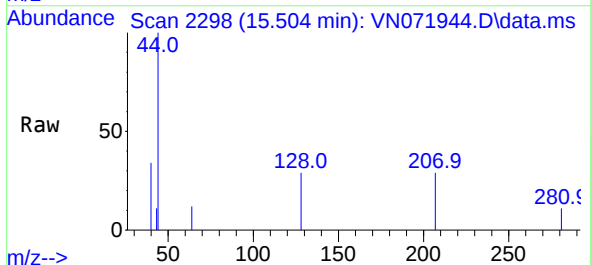


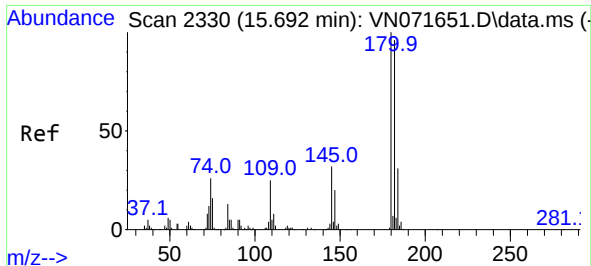
Tgt Ion:180 Resp: 64
Ion Ratio Lower Upper
180 100
182 112.5 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.828 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071944.D
Acq: 11 Apr 2022 18:29

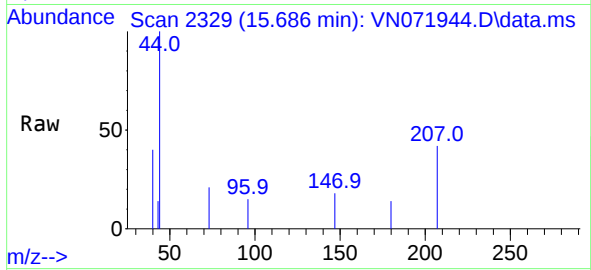
Tgt Ion:128 Resp: 631
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.422 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071944.D
 Acq: 11 Apr 2022 18:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	66
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	15.5	46.5#

