

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071934.D
 Acq On : 11 Apr 2022 14:28
 Operator : JC\MD
 Sample : PB143992TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:39:36 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)

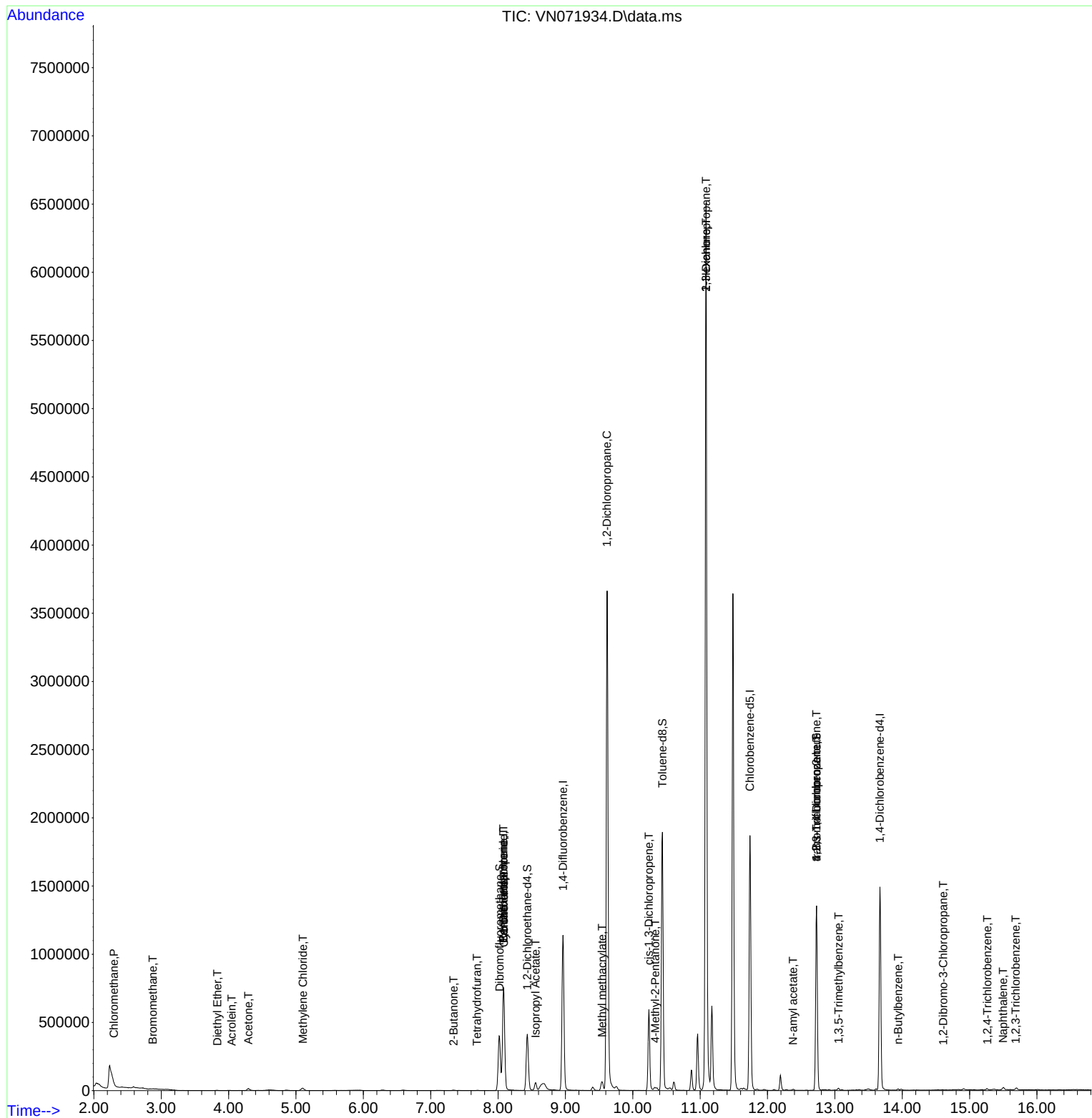
Internal Standards						
1) Pentafluorobenzene	8.081	168	630842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1073077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1160700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	446570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	341456	47.413	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.820%		
35) Dibromofluoromethane	8.022	113	301741	47.786	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.580%		
50) Toluene-d8	10.439	98	1385518	53.638	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.280%		
62) 4-Bromofluorobenzene	12.727	95	494656	59.211	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	118.420%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2053	0.323	ug/l #	66
5) Bromomethane	2.875	94	2317	0.511	ug/l	91
8) Diethyl Ether	3.834	74	1241	0.331	ug/l	84
13) Acrolein	4.046	56	484	0.340	ug/l #	69
16) Acetone	4.293	43	25290	8.217	ug/l	95
18) Methyl Acetate	4.863	43	6954	Below Cal		92
20) Methylene Chloride	5.104	84	15685	2.418	ug/l	94
25) 2-Butanone	7.339	43	6036	1.360	ug/l	90
29) Tetrahydrofuran	7.687	42	1459	0.508	ug/l #	87
31) Cyclohexane	8.086	56	10377	1.060	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	41682	4.727	ug/l #	49
38) Carbon Tetrachloride	8.081	117	56910	6.585	ug/l #	16
43) Isopropyl Acetate	8.557	43	62340	3.883	ug/l	94
45) 1,2-Dichloropropane	9.616	63	5236	0.752	ug/l #	44
48) Methyl methacrylate	9.545	41	17277	2.594	ug/l #	11
49) 1,4-Dioxane	9.575	88	104	Below Cal	#	25
51) 4-Methyl-2-Pentanone	10.333	43	16196	1.755	ug/l	92
54) cis-1,3-Dichloropropene	10.239	75	121737	11.303	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	74745	6.169	ug/l #	42
59) 2-Hexanone	11.086	43	909222	139.918	ug/l #	49
74) N-amyl acetate	12.380	43	4678	0.434	ug/l #	83
76) 1,2,3-Trichloropropane	12.727	75	237537	22.961	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	7097	0.238	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.727	75	237537	71.156	ug/l #	10
89) n-Butylbenzene	13.939	91	5643	0.270	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.610	75	509	0.261	ug/l #	61
93) 1,2,4-Trichlorobenzene	15.262	180	4089	2.637	ug/l	94
95) Naphthalene	15.498	128	20914	4.753	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.686	180	5213	3.135	ug/l	94

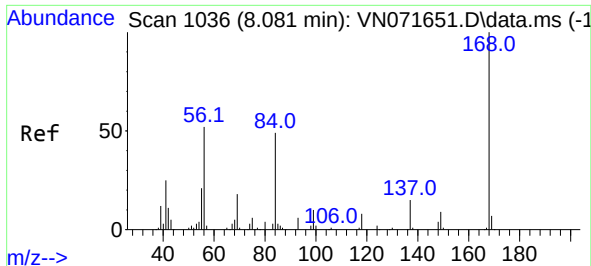
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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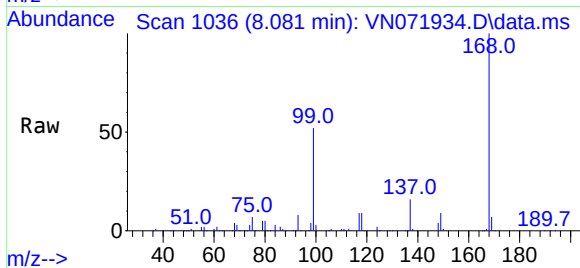
Quant Time: Apr 12 08:39:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
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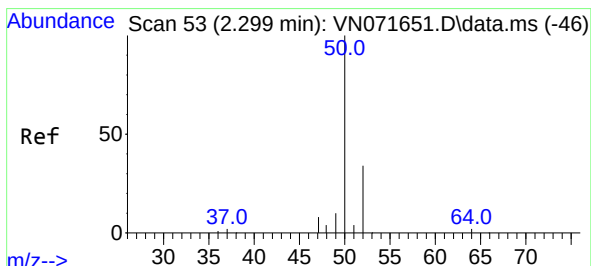
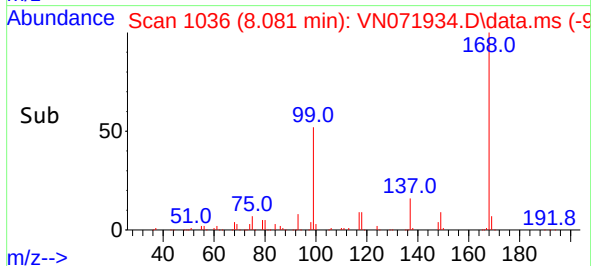
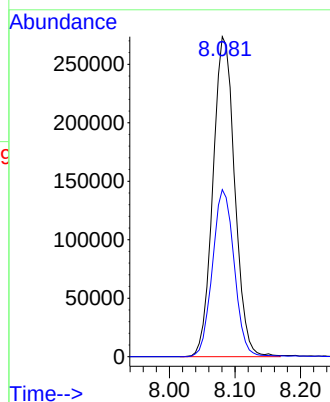


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Instrument :
MSVOA_N
ClientSampleId :

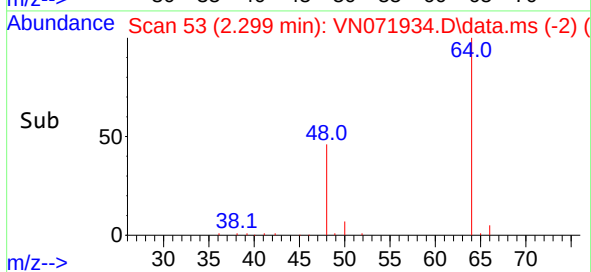
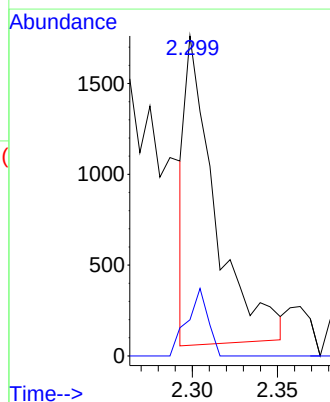
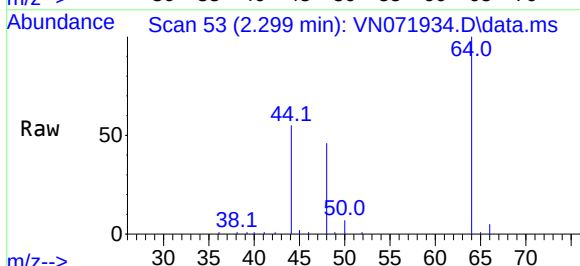


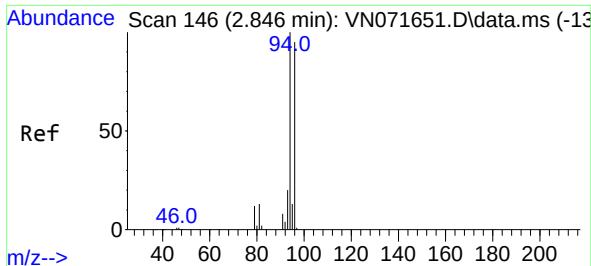
Tgt Ion:168 Resp: 630842
Ion Ratio Lower Upper
168 100
99 52.2 42.3 63.5



#3
Chloromethane
Concen: 0.323 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Tgt Ion: 50 Resp: 2053
Ion Ratio Lower Upper
50 100
52 12.9 25.7 38.5#

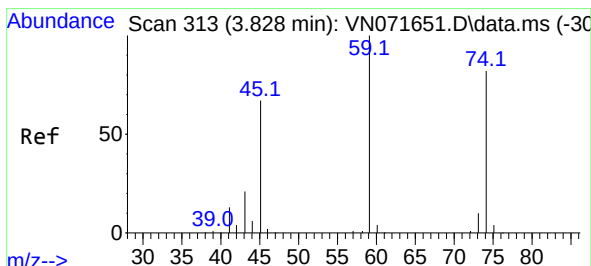
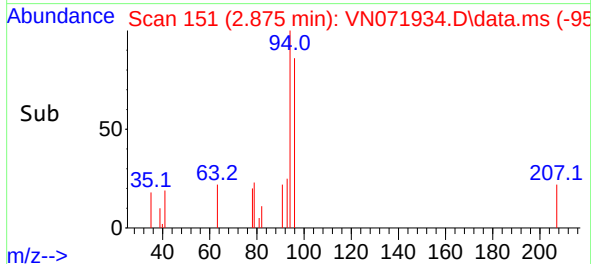
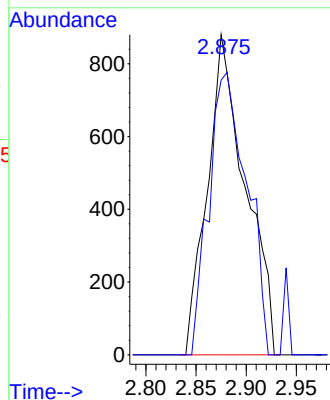
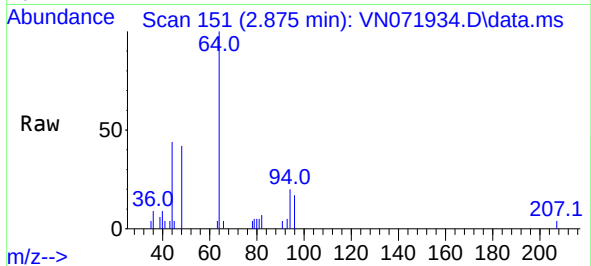




#5
Bromomethane
Concen: 0.511 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

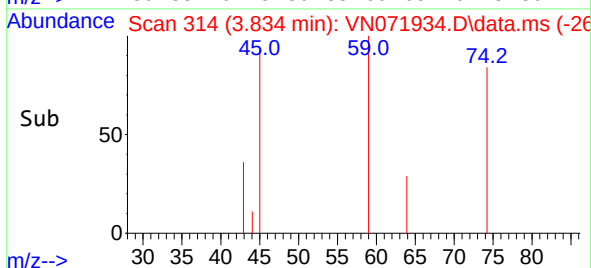
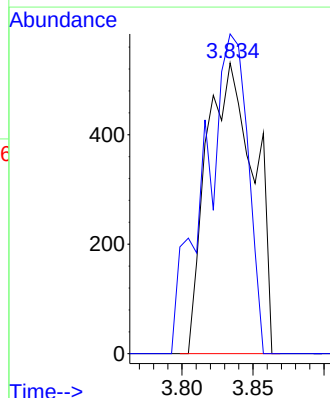
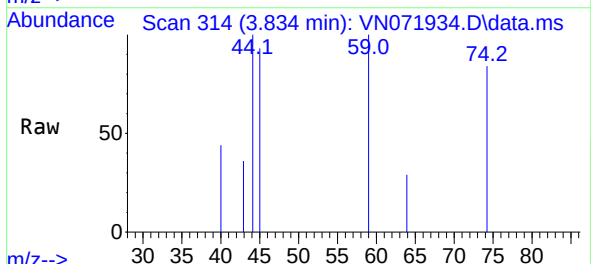
Instrument :
MSVOA_N
ClientSampleId :

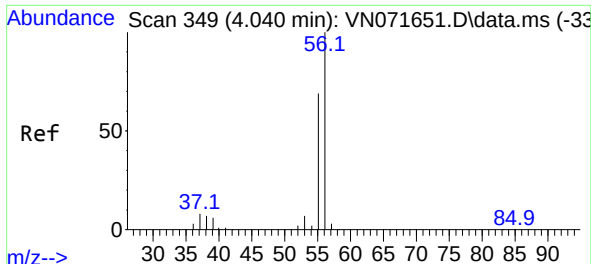
Tgt Ion: 94 Resp: 2317
Ion Ratio Lower Upper
94 100
96 85.8 76.0 114.0



#8
Diethyl Ether
Concen: 0.331 ug/l
RT: 3.834 min Scan# 314
Delta R.T. 0.006 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Tgt Ion: 74 Resp: 1241
Ion Ratio Lower Upper
74 100
45 100.6 42.9 128.5

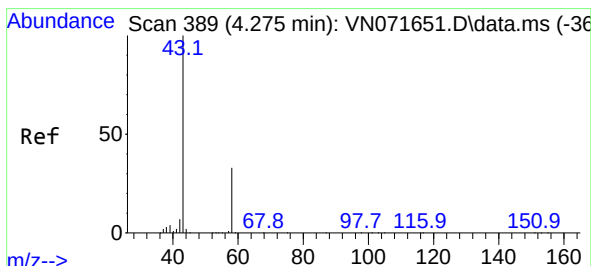
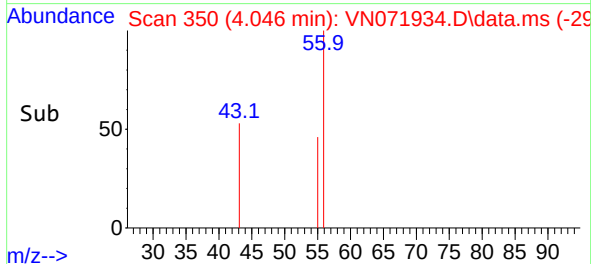
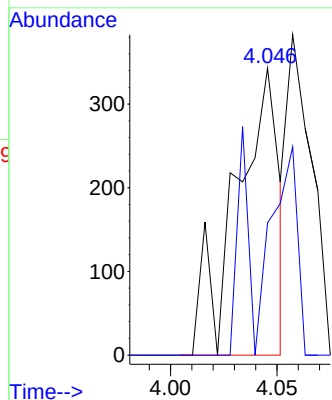
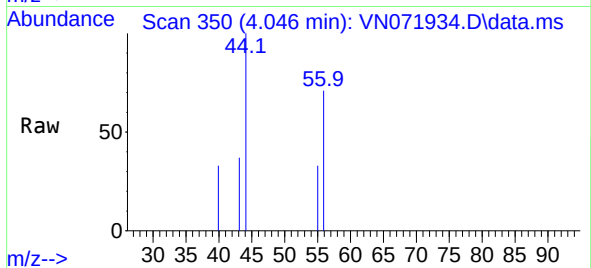




#13
Acrolein
Concen: 0.340 ug/l
RT: 4.046 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

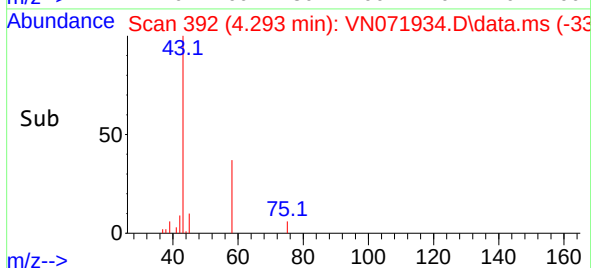
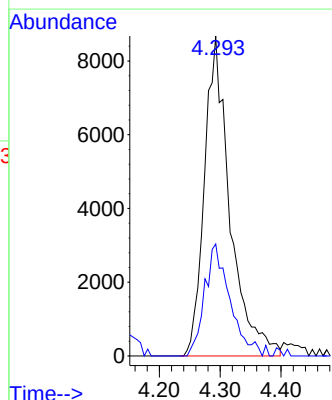
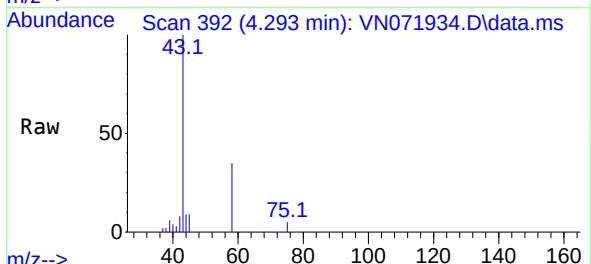
Instrument :
MSVOA_N
ClientSampleId :

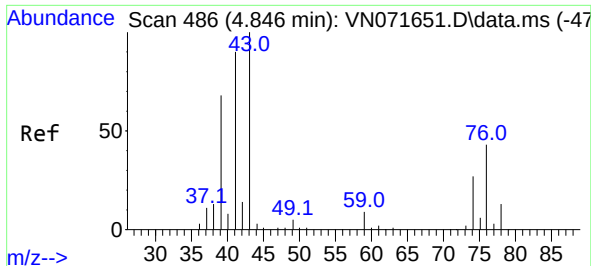
Tgt Ion: 56 Resp: 484
Ion Ratio Lower Upper
56 100
55 43.0 54.8 82.2#



#16
Acetone
Concen: 8.217 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

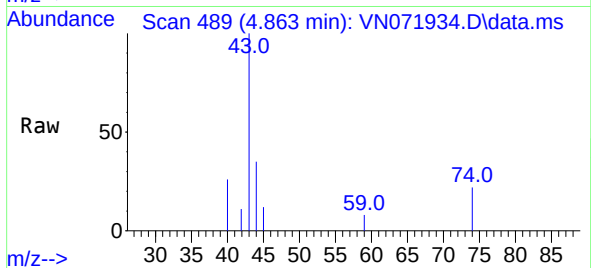
Tgt Ion: 43 Resp: 25290
Ion Ratio Lower Upper
43 100
58 35.0 26.0 39.0



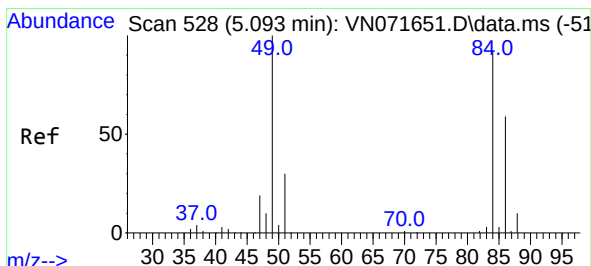
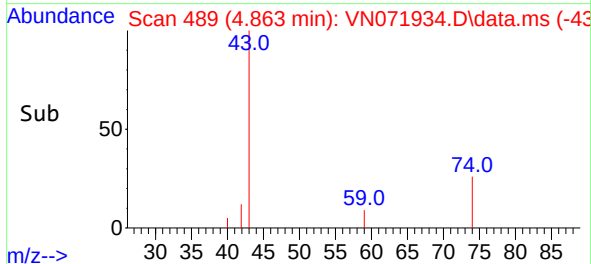
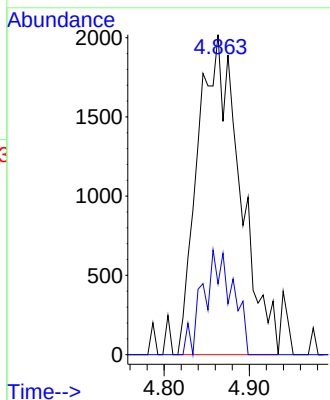


#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Instrument :
MSVOA_N
ClientSampleId :

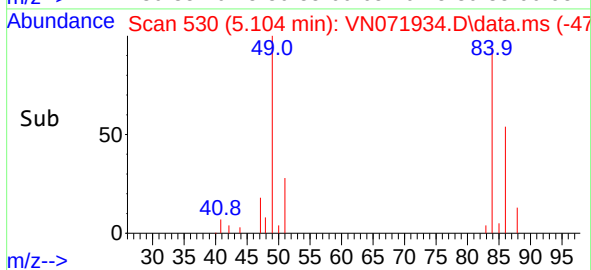
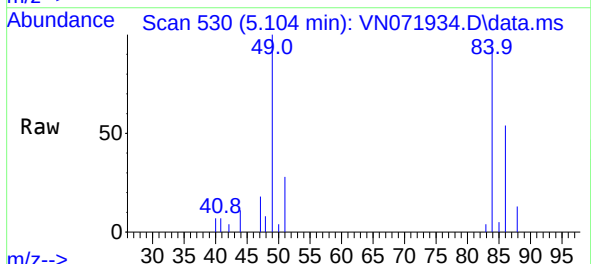
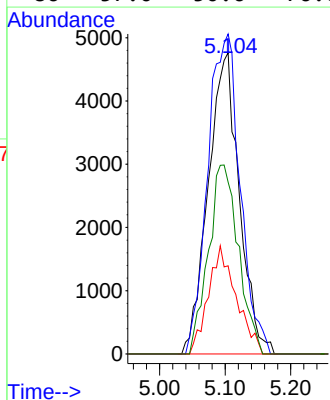


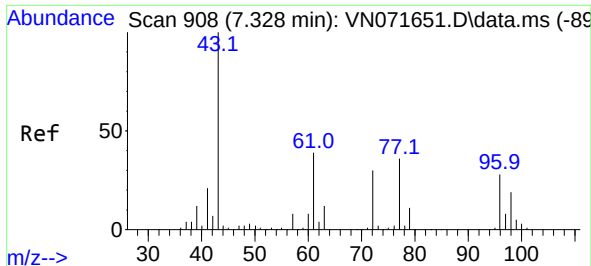
Tgt Ion: 43 Resp: 6954
Ion Ratio Lower Upper
43 100
74 22.9 21.6 32.4



#20
Methylene Chloride
Concen: 2.418 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.011 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Tgt Ion: 84 Resp: 15685
Ion Ratio Lower Upper
84 100
49 106.2 88.3 132.5
51 29.3 28.2 42.2
86 57.0 50.6 76.0

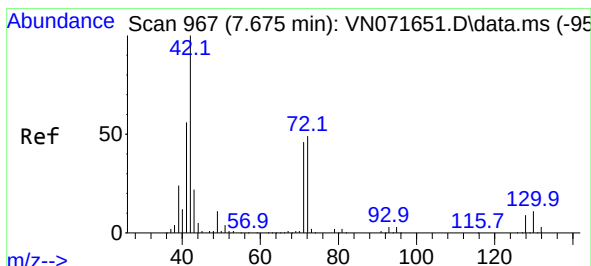
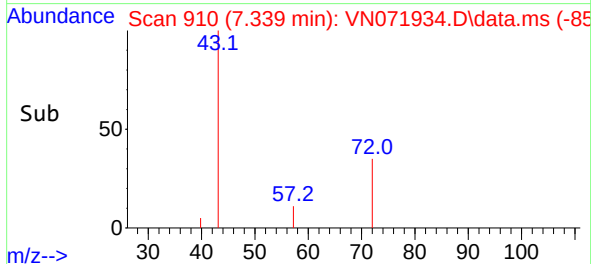
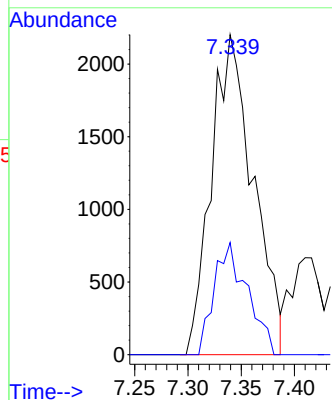
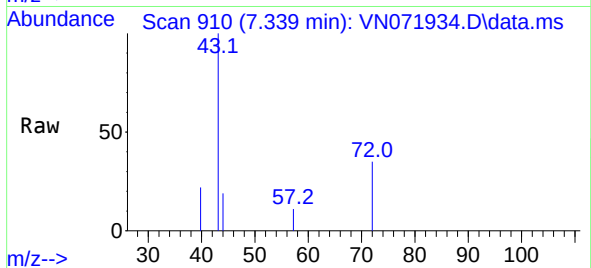




#25
2-Butanone
Concen: 1.360 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

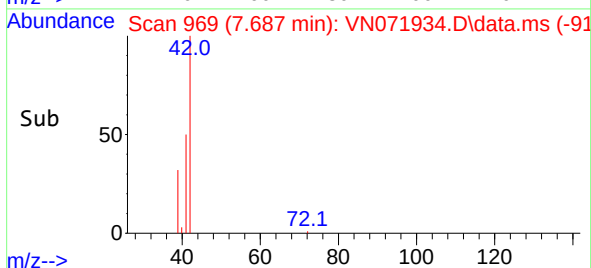
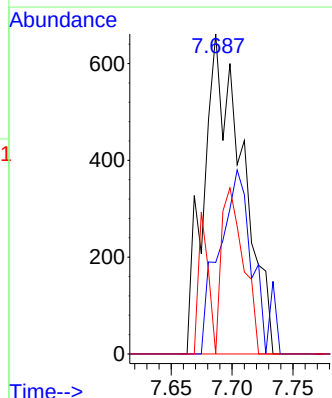
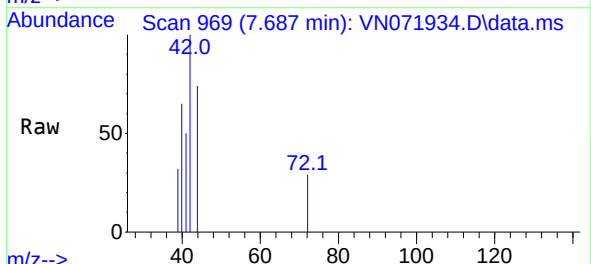
Instrument :
MSVOA_N
ClientSampleId :

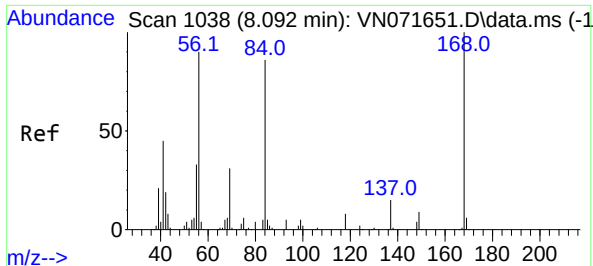
Tgt Ion: 43 Resp: 6036
Ion Ratio Lower Upper
43 100
72 35.1 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.508 ug/l
RT: 7.687 min Scan# 969
Delta R.T. 0.012 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

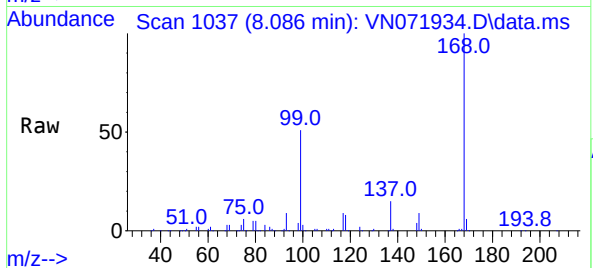
Tgt Ion: 42 Resp: 1459
Ion Ratio Lower Upper
42 100
72 51.1 39.7 59.5
71 29.6 36.6 55.0#



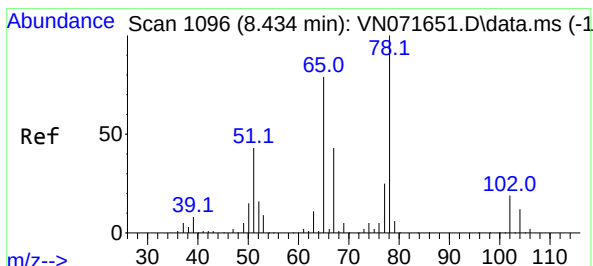
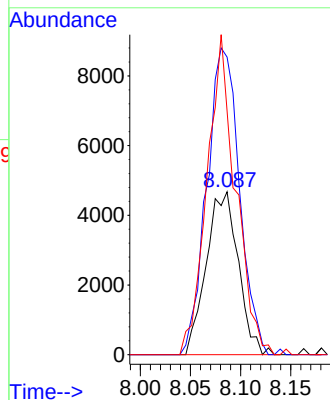
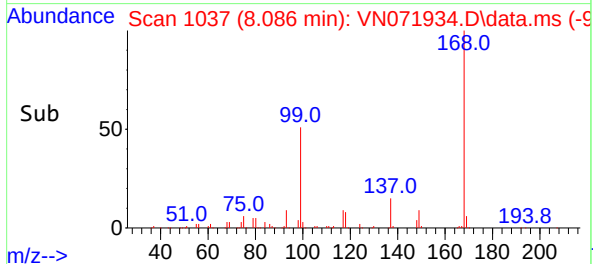


#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Instrument :
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ClientSampleId :

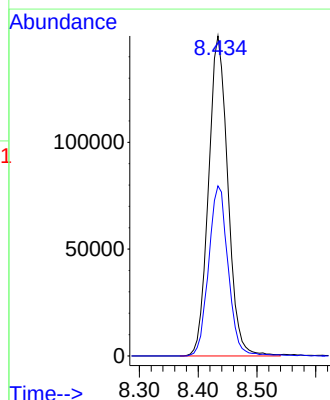
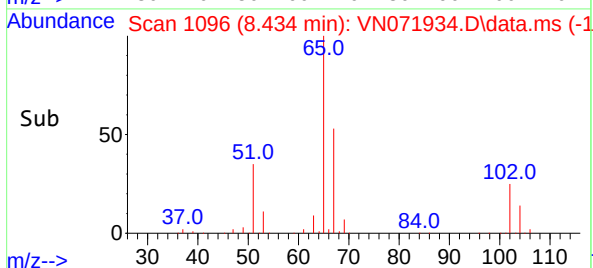
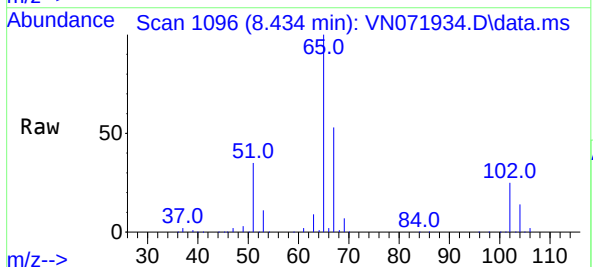


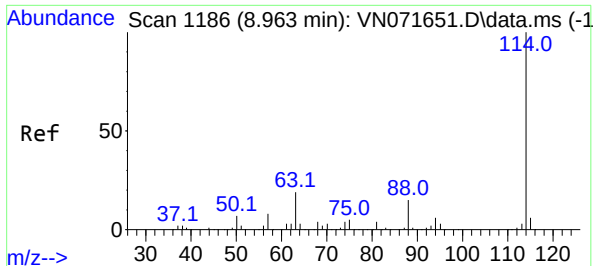
Tgt Ion: 56 Resp: 10377
Ion Ratio Lower Upper
56 100
69 182.7 27.8 41.8#
84 149.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.413 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Tgt Ion: 65 Resp: 341456
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8

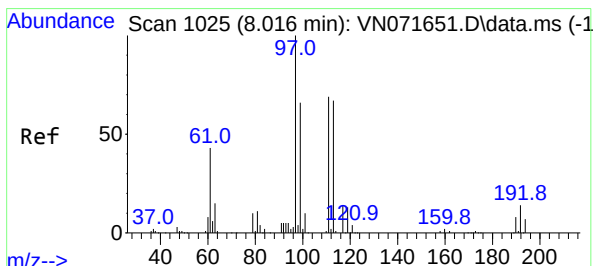
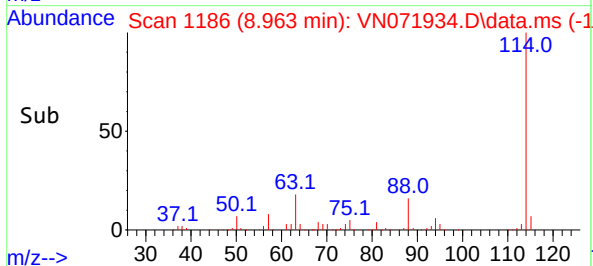
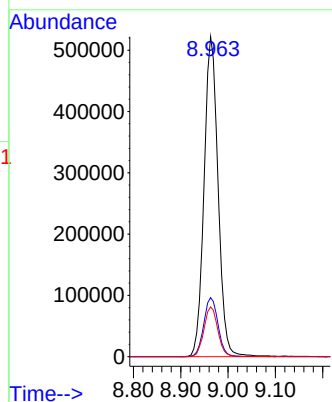
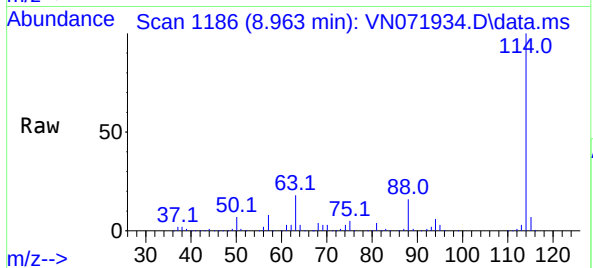




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

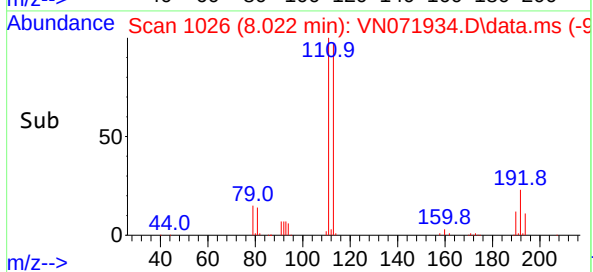
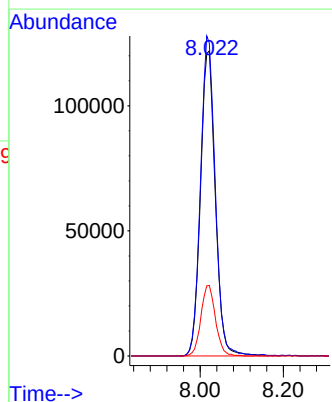
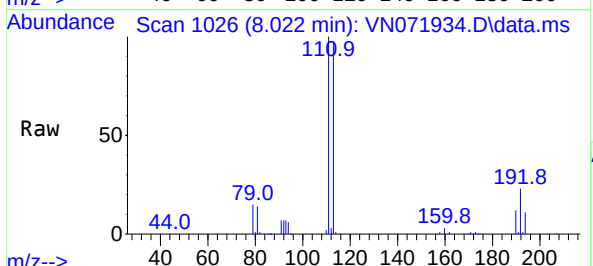
Instrument :
MSVOA_N
ClientSampleId :

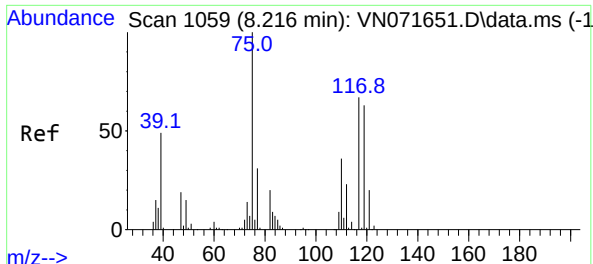
Tgt Ion:114 Resp: 1073077
Ion Ratio Lower Upper
114 100
63 18.5 0.0 40.0
88 15.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.786 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Tgt Ion:113 Resp: 301741
Ion Ratio Lower Upper
113 100
111 104.1 81.4 122.0
192 22.8 17.0 25.6

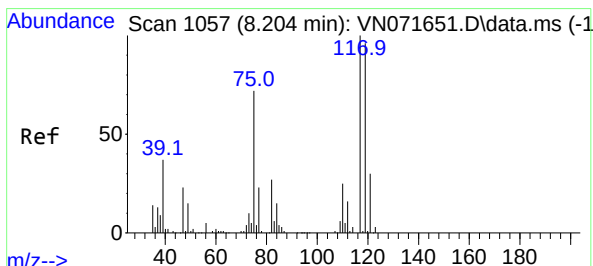
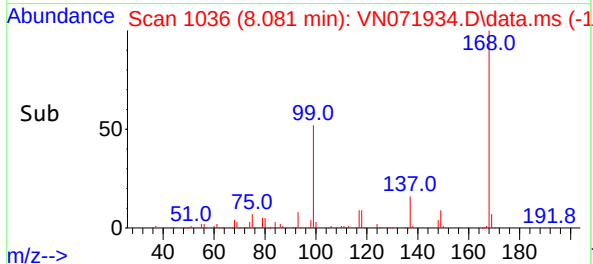
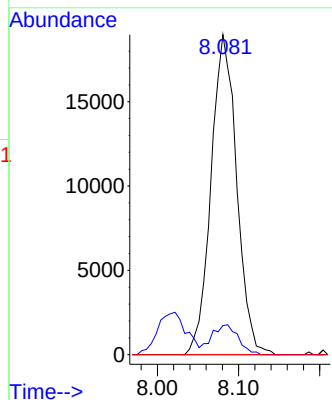
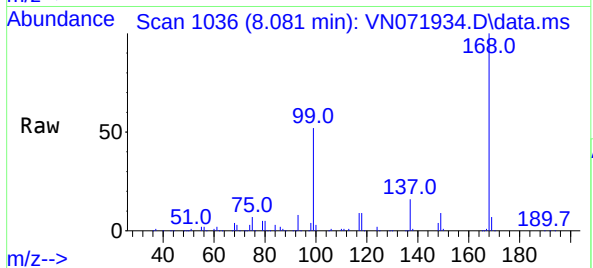




#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

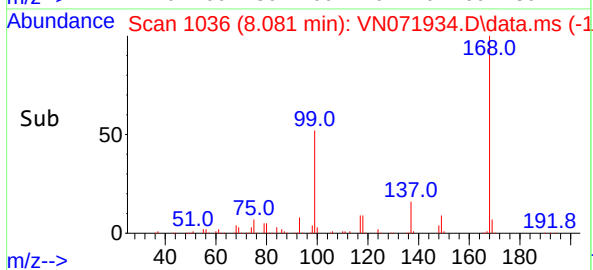
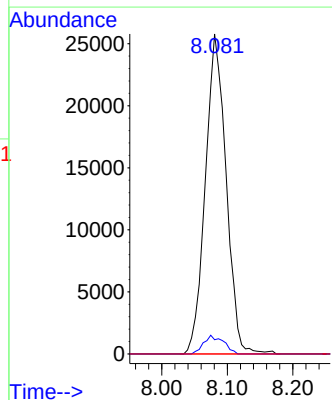
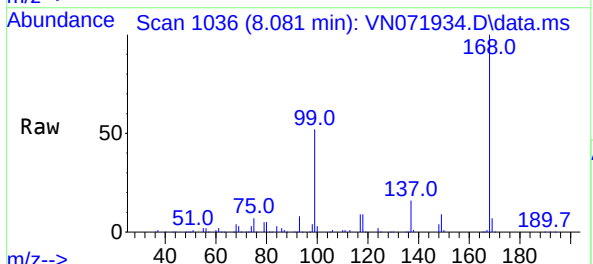
Instrument :
MSVOA_N
ClientSampleId :

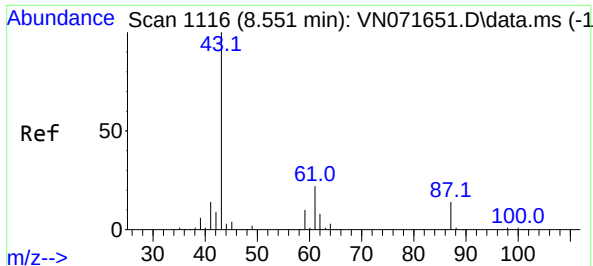
Tgt Ion: 75 Resp: 41682
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.585 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Tgt Ion: 117 Resp: 56910
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.8#
121 0.0 24.6 37.0#

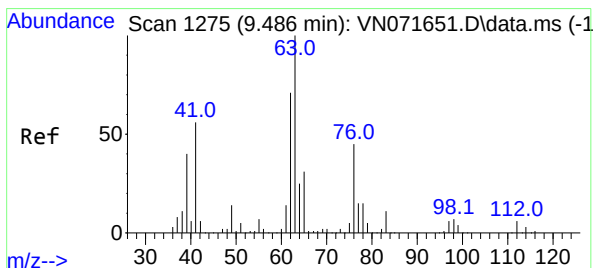
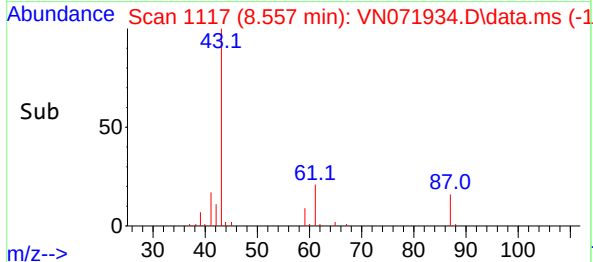
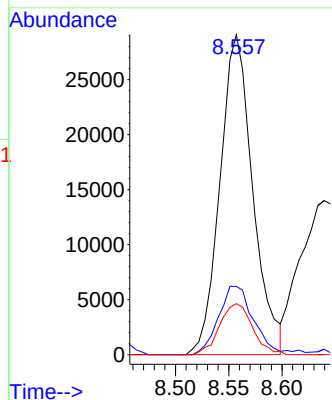
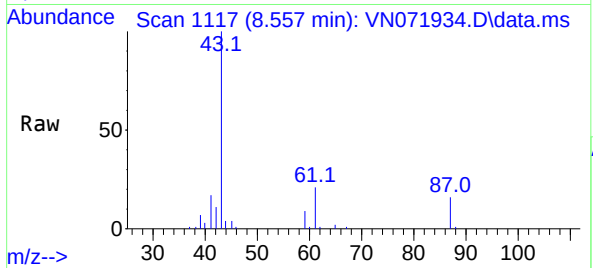




#43
Isopropyl Acetate
Concen: 3.883 ug/l
RT: 8.557 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

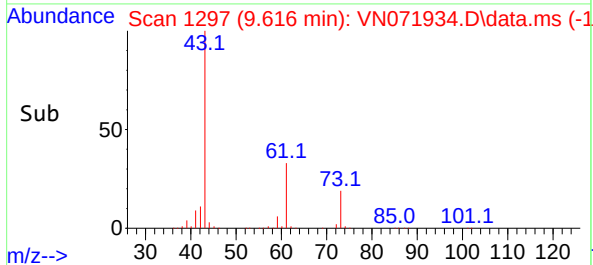
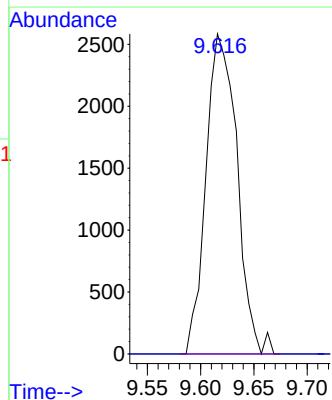
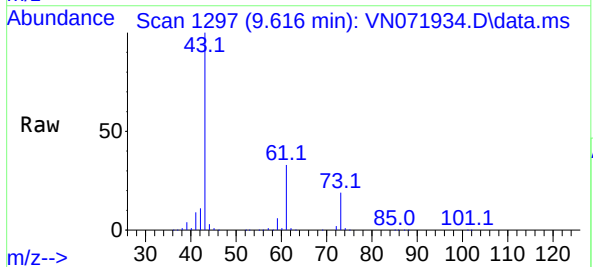
Instrument :
MSVOA_N
ClientSampleId :

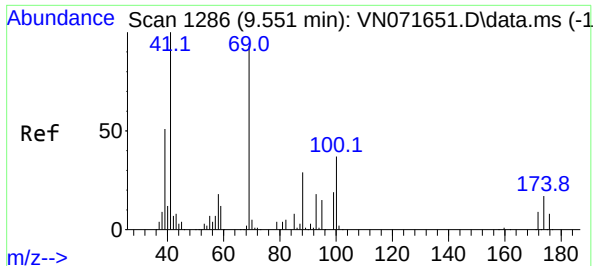
Tgt Ion: 43 Resp: 62340
Ion Ratio Lower Upper
43 100
61 23.2 21.9 32.9
87 16.0 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.752 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Tgt Ion: 63 Resp: 5236
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.594 ug/l

RT: 9.545 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN071934.D

Acq: 11 Apr 2022 14:28

Instrument :

MSVOA_N

ClientSampleId :

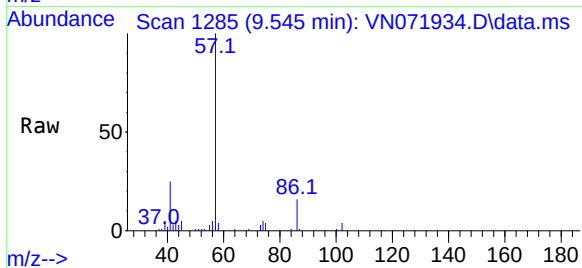
Tgt Ion: 41 Resp: 17277

Ion Ratio Lower Upper

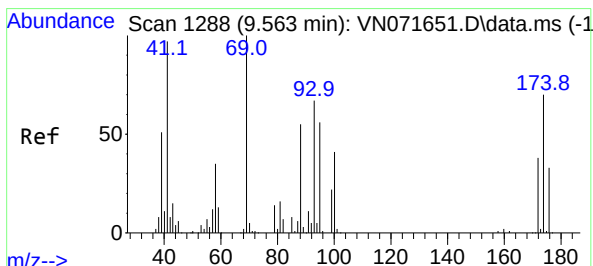
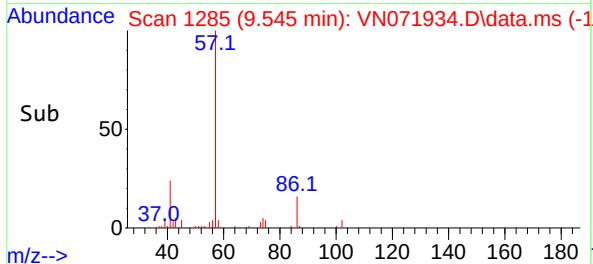
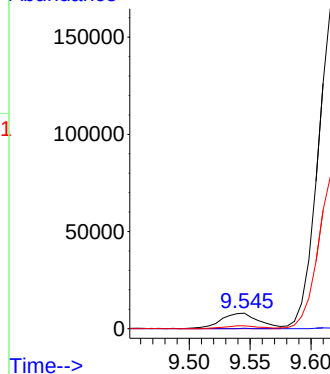
41 100

69 0.5 74.7 112.1#

39 0.0 45.6 68.4#



Abundance



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.575 min Scan# 1290

Delta R.T. 0.012 min

Lab File: VN071934.D

Acq: 11 Apr 2022 14:28

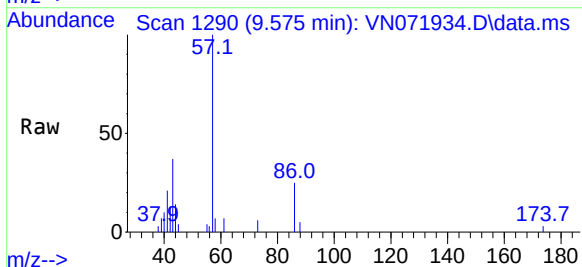
Tgt Ion: 88 Resp: 104

Ion Ratio Lower Upper

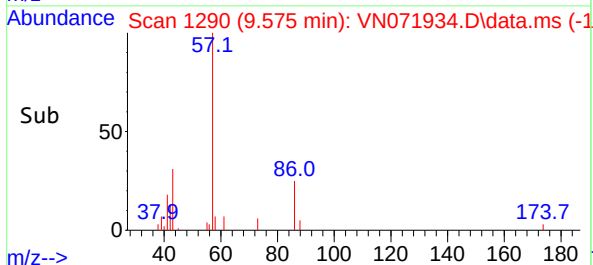
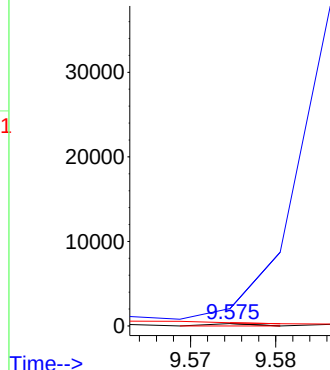
88 100

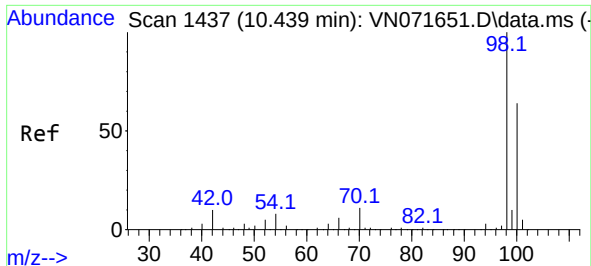
43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



Abundance

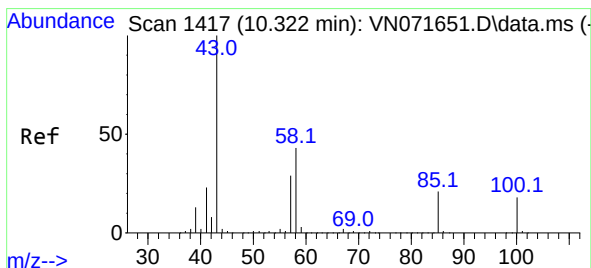
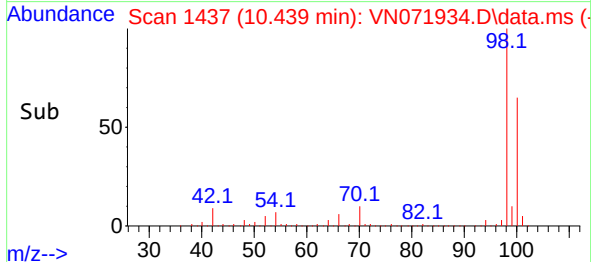
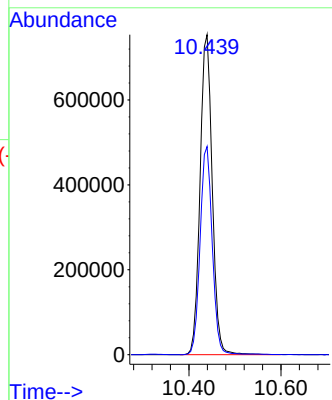
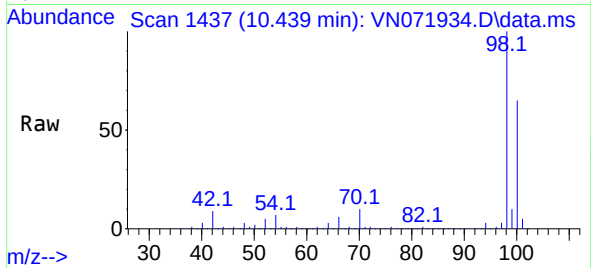




#50
Toluene-d8
Concen: 53.638 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

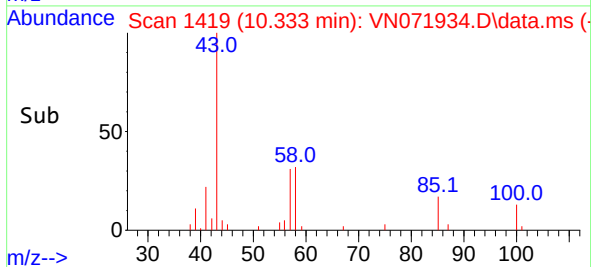
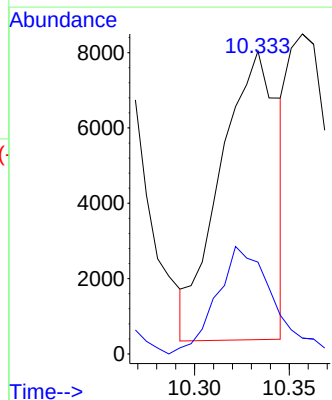
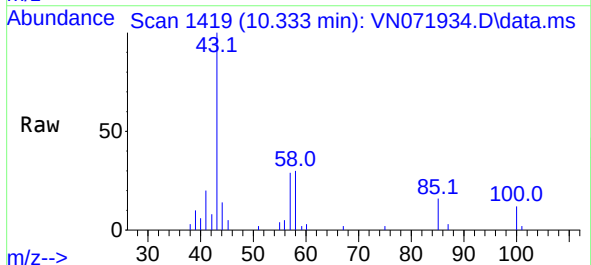
Instrument :
MSVOA_N
ClientSampleId :

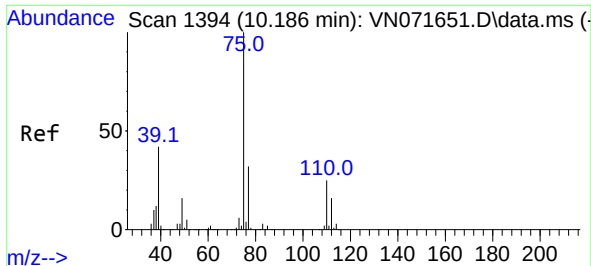
Tgt Ion: 98 Resp: 1385518
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.755 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.011 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

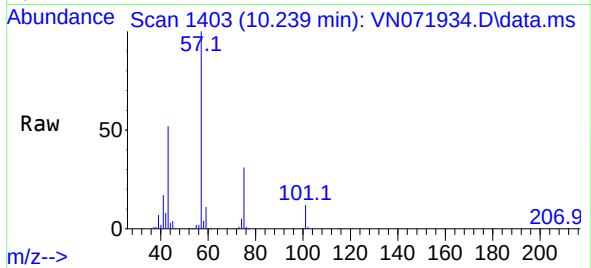
Tgt Ion: 43 Resp: 16196
Ion Ratio Lower Upper
43 100
58 37.2 34.1 51.1



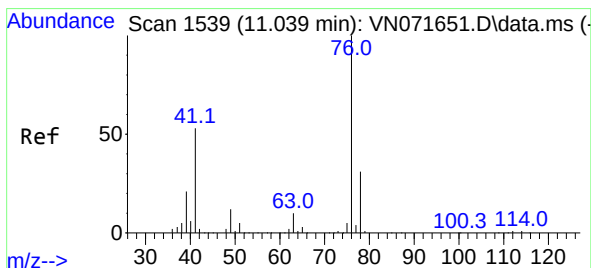
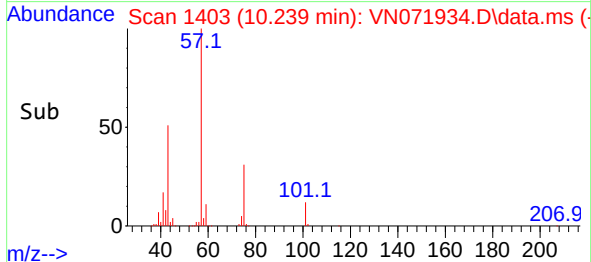
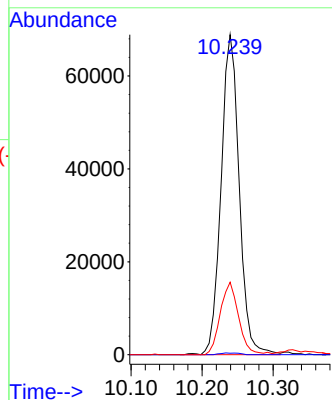


#54
cis-1,3-Dichloropropene
Concen: 11.303 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Instrument :
MSVOA_N
ClientSampleId :

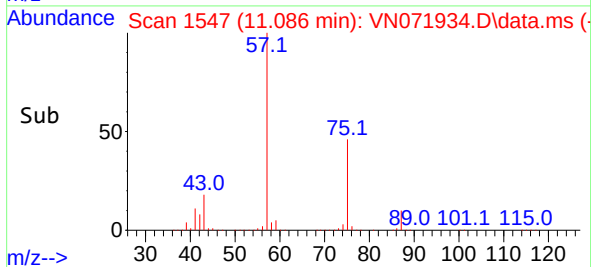
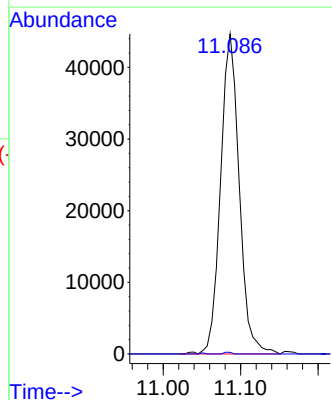
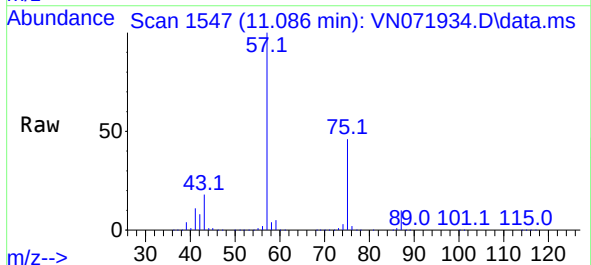


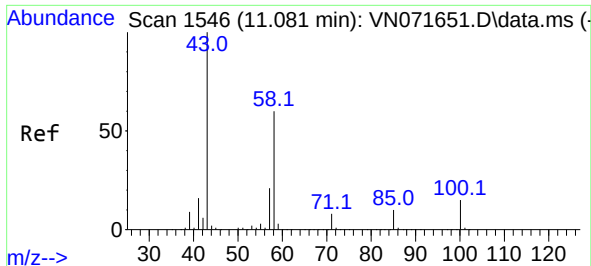
Tgt Ion: 75 Resp: 121737
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 22.6 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 6.169 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Tgt Ion: 76 Resp: 74745
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

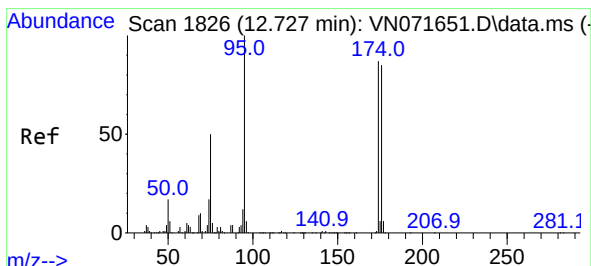
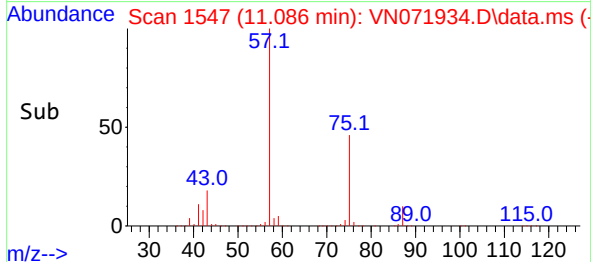
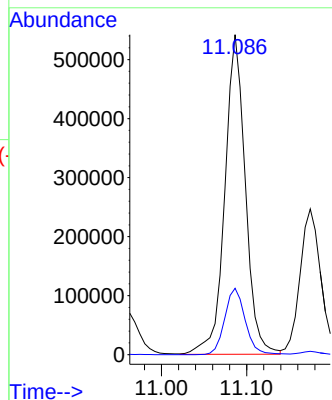
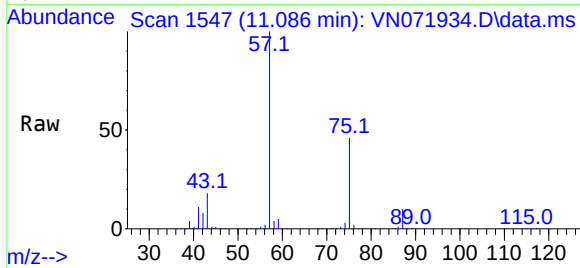




#59
2-Hexanone
Concen: 139.918 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

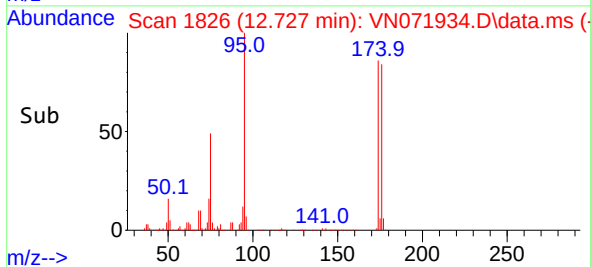
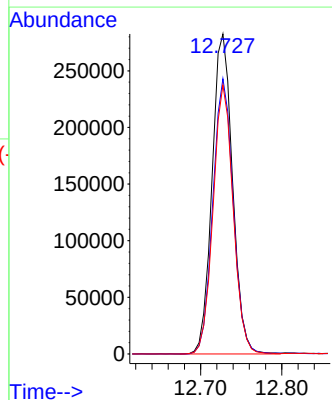
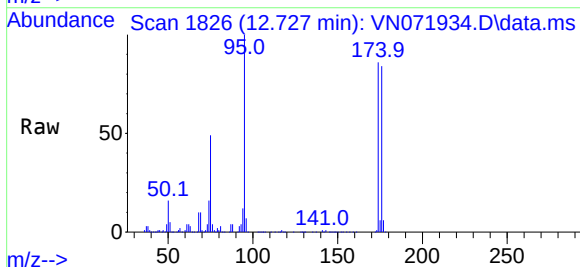
Instrument :
MSVOA_N
ClientSampleId :

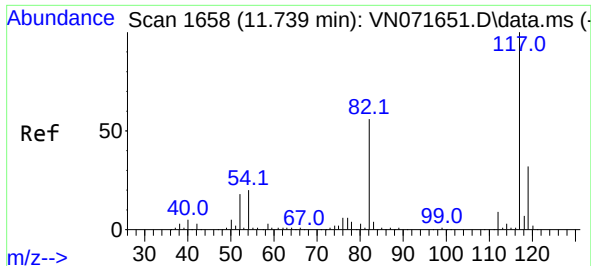
Tgt Ion: 43 Resp: 909222
Ion Ratio Lower Upper
43 100
58 20.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.211 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Tgt Ion: 95 Resp: 494656
Ion Ratio Lower Upper
95 100
174 85.6 0.0 167.6
176 82.3 0.0 163.4

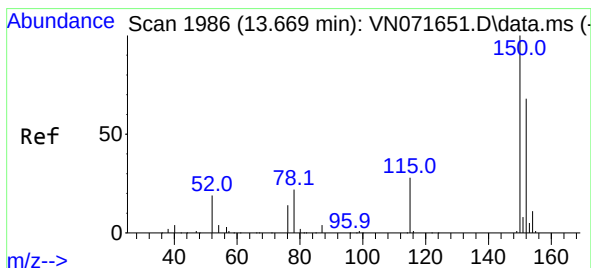
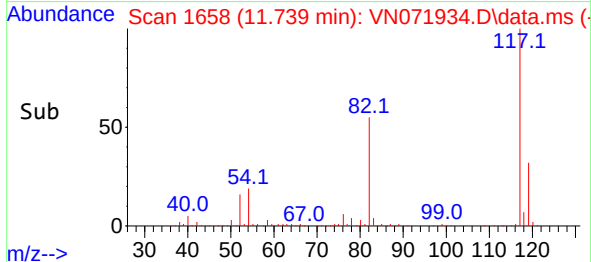
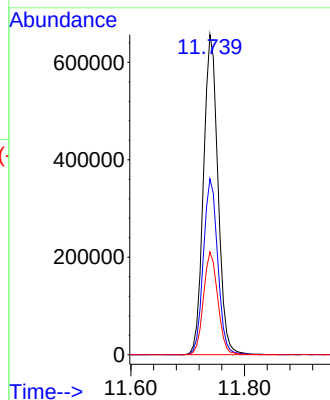
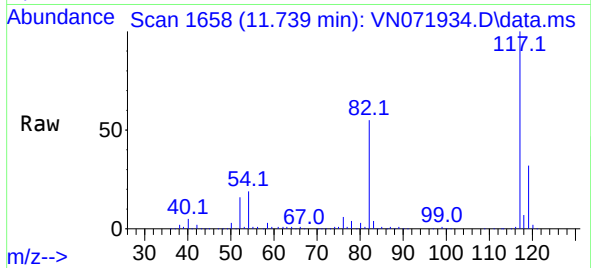




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

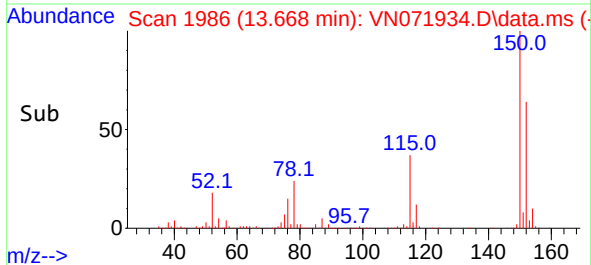
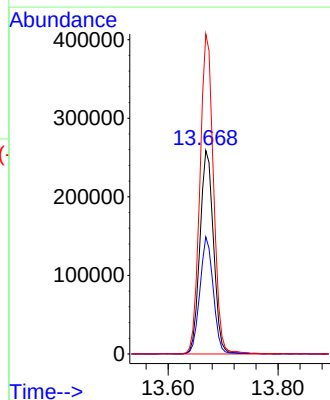
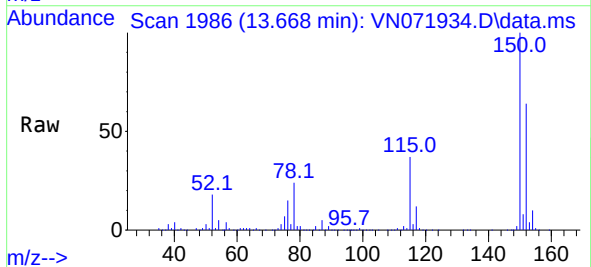
Instrument :
MSVOA_N
ClientSampleId :

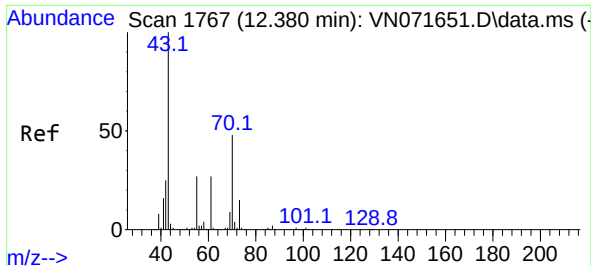
Tgt Ion:117 Resp: 1160700
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

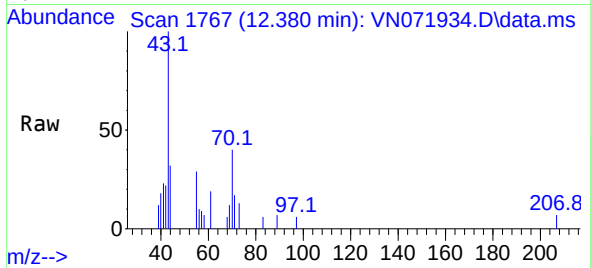
Tgt Ion:152 Resp: 446570
Ion Ratio Lower Upper
152 100
115 56.3 28.9 86.7
150 156.4 0.0 356.2



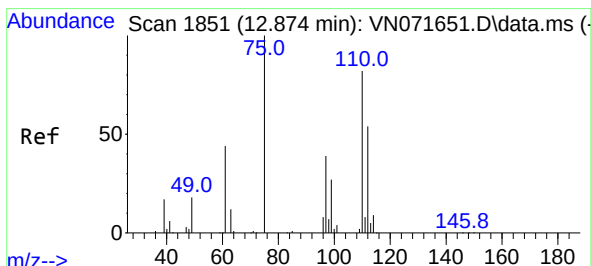
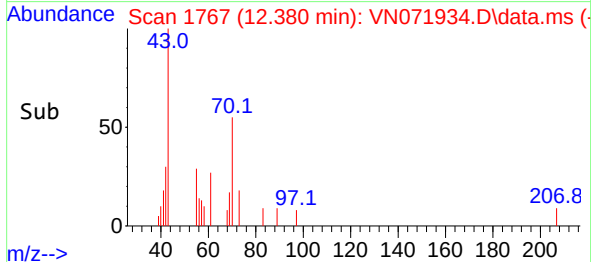
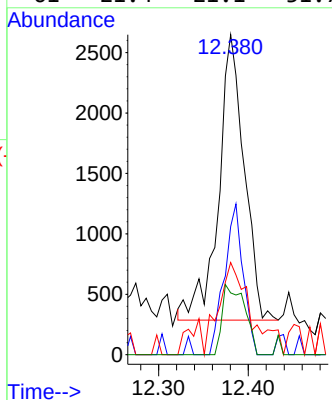


#74
N-amy1 acetate
Concen: 0.434 ug/l
RT: 12.380 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Instrument :
MSVOA_N
ClientSampleId :

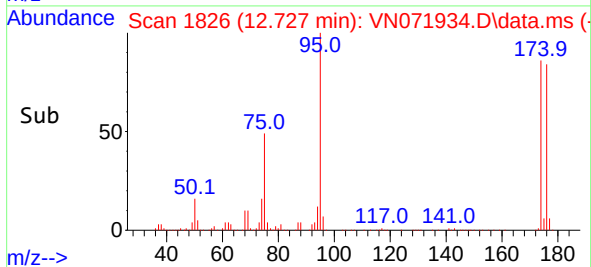
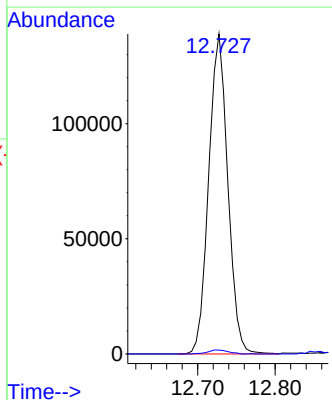
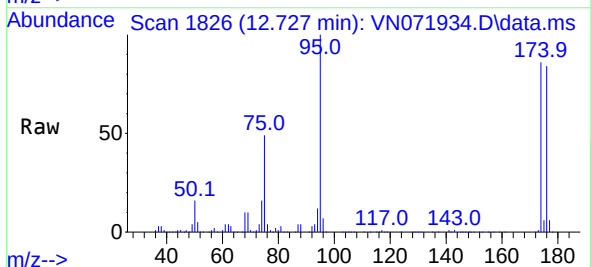


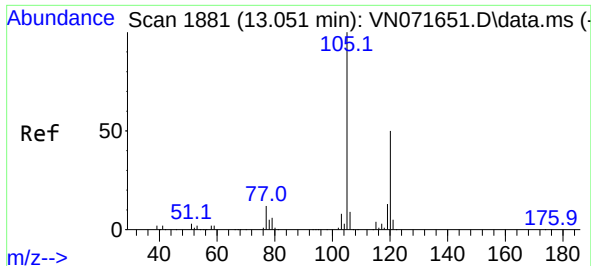
Tgt Ion:	43	Resp:	4678
Ion	Ratio	Lower	Upper
43	100		
70	38.8	39.0	58.4#
55	40.6	21.1	31.7#
61	21.4	21.1	31.7



#76
1,2,3-Trichloropropane
Concen: 22.961 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Tgt Ion:	75	Resp:	237537
Ion	Ratio	Lower	Upper
75	100		
77	1.3	98.5	295.5#

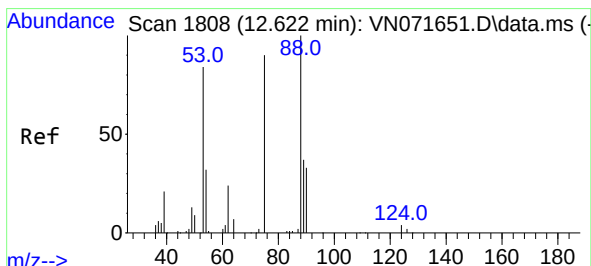
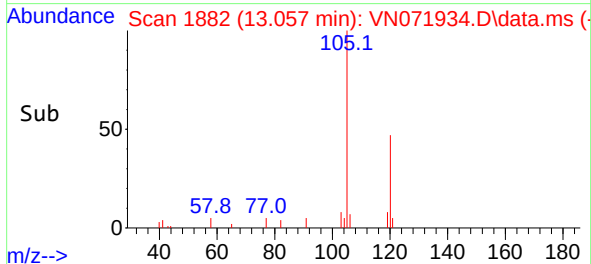
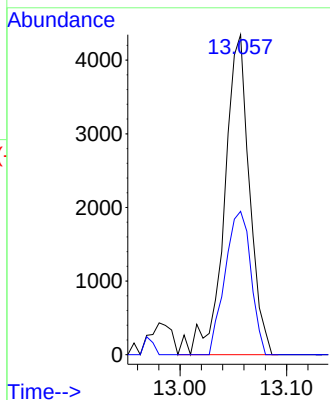
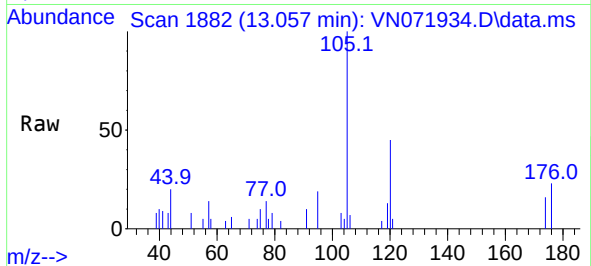




#80
1,3,5-Trimethylbenzene
Concen: 0.238 ug/l
RT: 13.057 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

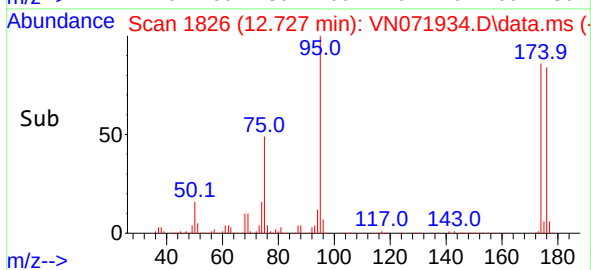
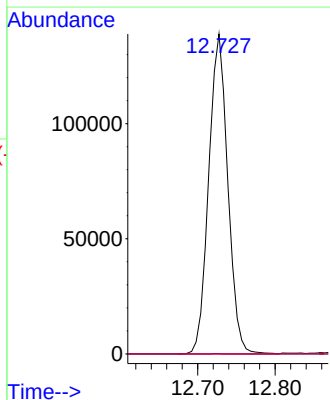
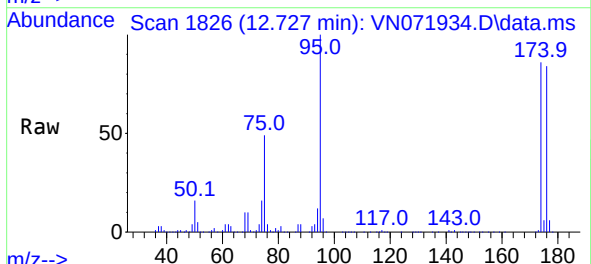
Instrument :
MSVOA_N
ClientSampleId :

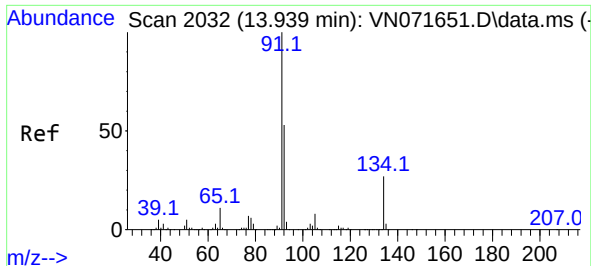
Tgt Ion:105 Resp: 7097
Ion Ratio Lower Upper
105 100
120 46.1 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 71.156 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

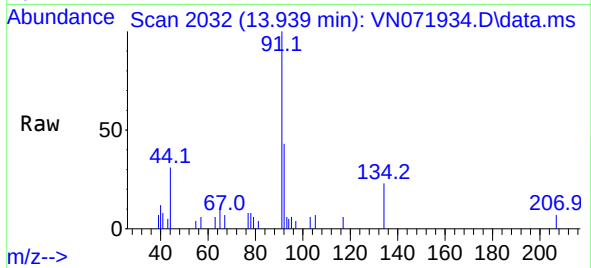
Tgt Ion: 75 Resp: 237537
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



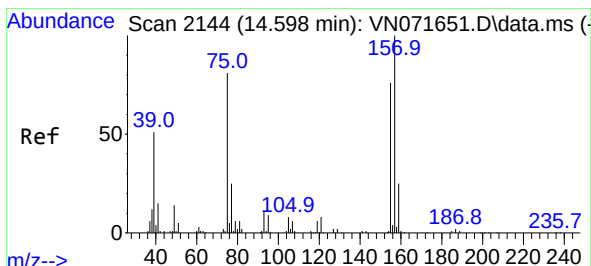
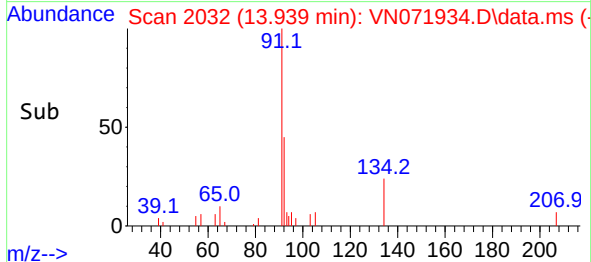
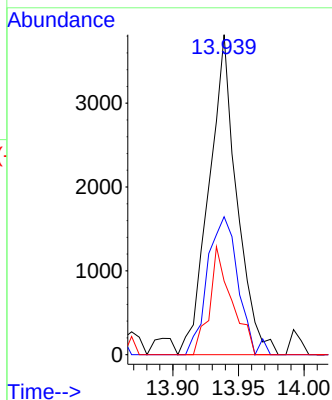


#89
n-Butylbenzene
Concen: 0.270 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

Instrument :
MSVOA_N
ClientSampleId :

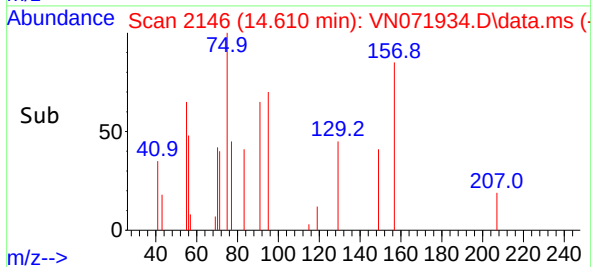
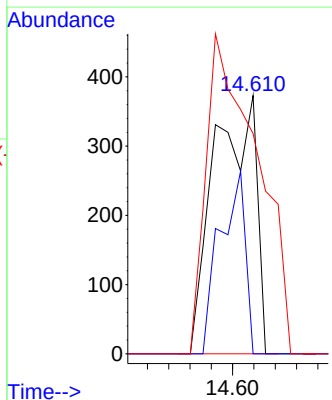
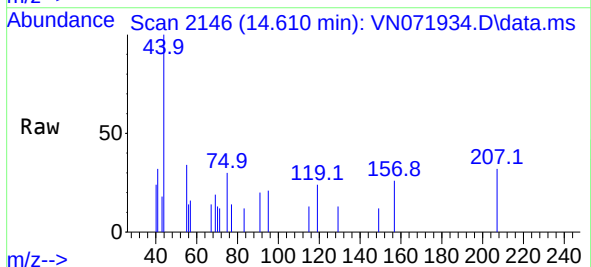


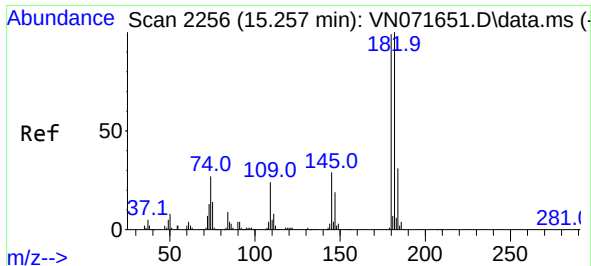
Tgt Ion: 91 Resp: 5643
Ion Ratio Lower Upper
91 100
92 47.5 26.9 80.7
134 26.8 13.6 40.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.261 ug/l
RT: 14.610 min Scan# 2146
Delta R.T. 0.012 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

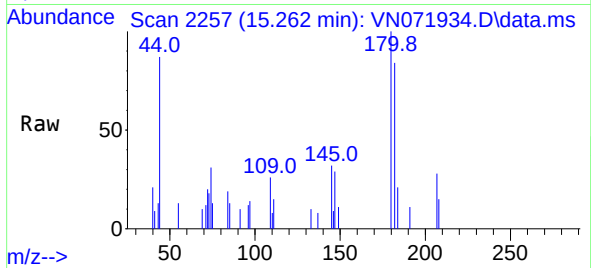
Tgt Ion: 75 Resp: 509
Ion Ratio Lower Upper
75 100
155 42.8 44.9 134.5#
157 150.9 59.0 176.8



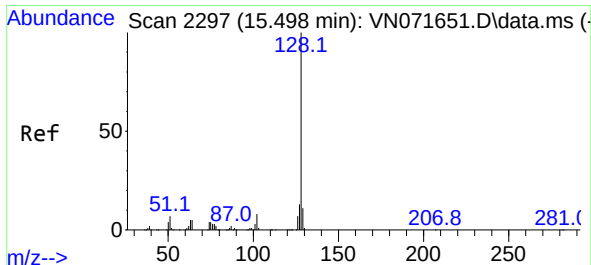
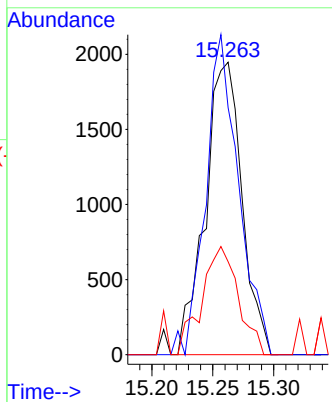
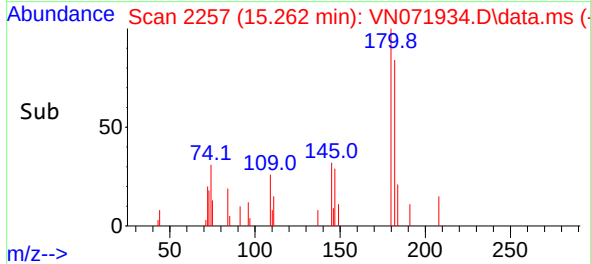


#93
1,2,4-Trichlorobenzene
Concen: 2.637 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28

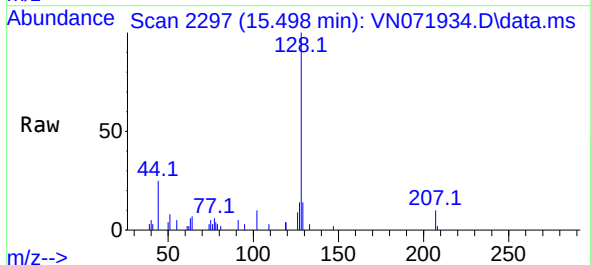
Instrument :
MSVOA_N
ClientSampleId :



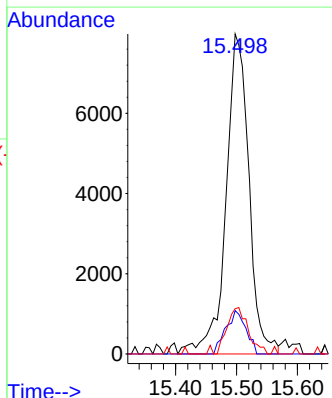
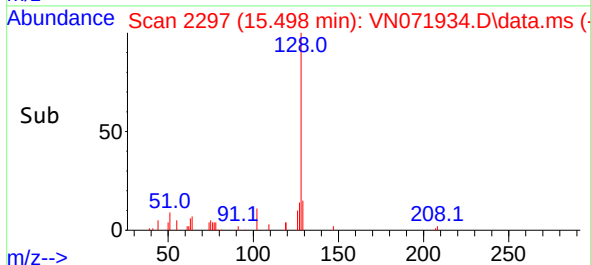
Tgt Ion:180 Resp: 4089
Ion Ratio Lower Upper
180 100
182 98.0 47.5 142.5
145 36.8 14.5 43.5

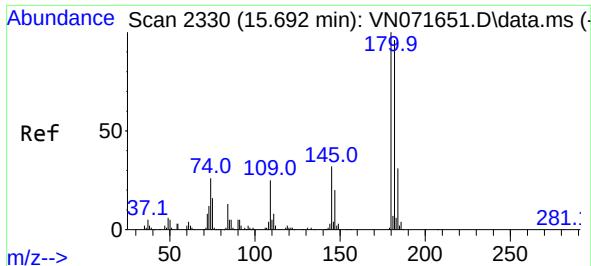


#95
Naphthalene
Concen: 4.753 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071934.D
Acq: 11 Apr 2022 14:28



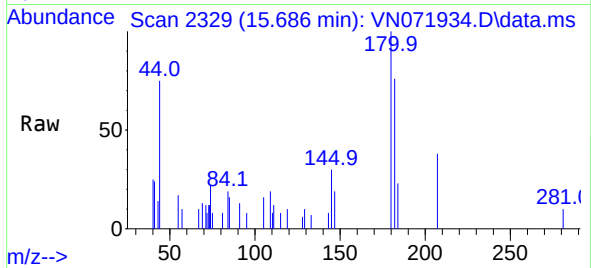
Tgt Ion:128 Resp: 20914
Ion Ratio Lower Upper
128 100
127 11.8 10.3 15.5
129 13.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.135 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071934.D
 Acq: 11 Apr 2022 14:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	5213
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.8	143.3
145	39.2	15.5	46.5

