

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071212.D
 Acq On : 09 Mar 2022 16:09
 Operator : JC\MD
 Sample : N1835-05 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 01:13:02 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)

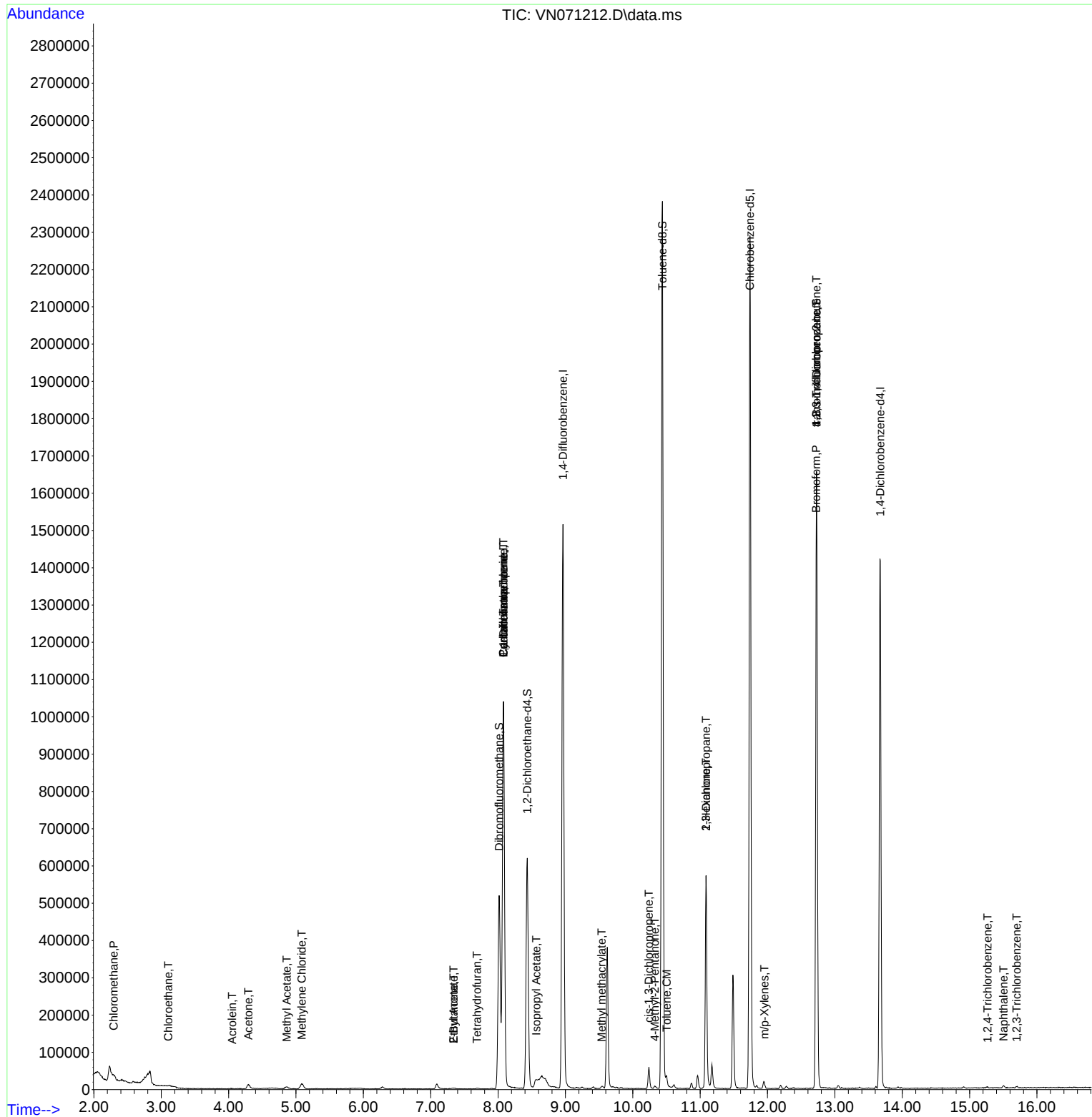
Internal Standards						
1) Pentafluorobenzene	8.081	168	807305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1327995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1302581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	406705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	507642	45.881	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.760%		
35) Dibromofluoromethane	8.016	113	379643	45.303	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.600%		
50) Toluene-d8	10.439	98	1648196	48.849	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.700%		
62) 4-Bromofluorobenzene	12.727	95	579182	50.692	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.380%		
Target Compounds					Qvalue	
3) Chloromethane	2.293	50	3087	0.225	ug/l	93
5) Bromomethane	2.804	94	1611	Below Cal	#	34
6) Chloroethane	3.104	64	4190	0.638	ug/l #	42
13) Acrolein	4.051	56	908	0.395	ug/l #	79
16) Acetone	4.293	43	16657	3.094	ug/l #	89
18) Methyl Acetate	4.863	43	13348	1.385	ug/l #	78
20) Methylene Chloride	5.087	84	11322	1.524	ug/l	90
25) 2-Butanone	7.339	43	5191	0.599	ug/l #	68
29) Tetrahydrofuran	7.686	42	1717	0.286	ug/l #	69
31) Cyclohexane	8.081	56	16715	0.946	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	62975	4.690	ug/l #	49
37) Ethyl Acetate	7.339	43	5191	0.281	ug/l #	68
38) Carbon Tetrachloride	8.081	117	79294	6.106	ug/l #	16
43) Isopropyl Acetate	8.569	43	23481	0.850	ug/l #	62
48) Methyl methacrylate	9.539	41	2893	0.226	ug/l #	20
51) 4-Methyl-2-Pentanone	10.327	43	7180	0.419	ug/l #	77
52) Toluene	10.504	92	7368	0.296	ug/l	90
54) cis-1,3-Dichloropropene	10.239	75	9728	0.598	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	5338	0.298	ug/l #	43
59) 2-Hexanone	11.086	43	95074	8.125	ug/l #	53
68) m/p-Xylenes	11.957	106	5935	0.328	ug/l	97
71) Bromoform	12.721	173	3394	0.436	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.827	83	330	Below Cal	#	75
76) 1,2,3-Trichloropropane	12.727	75	297732	29.020	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	297732	79.135	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1456	3.195	ug/l #	76
95) Naphthalene	15.504	128	6059	5.360	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.698	180	1560	2.963	ug/l	94

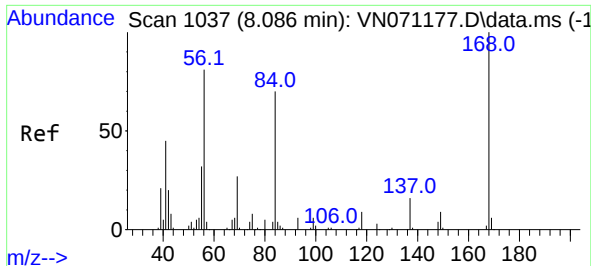
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
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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

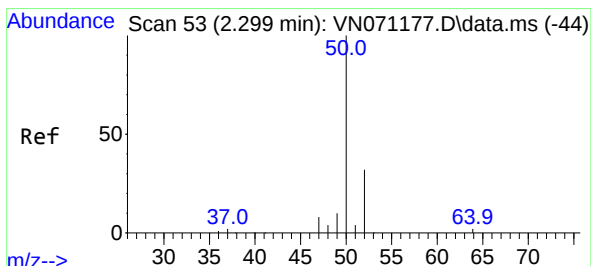
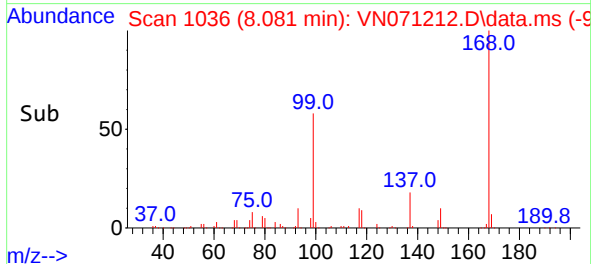
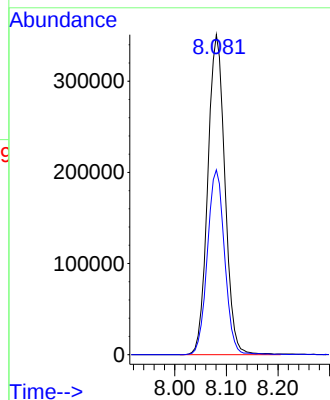
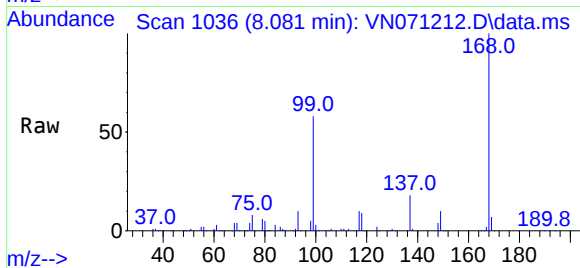




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

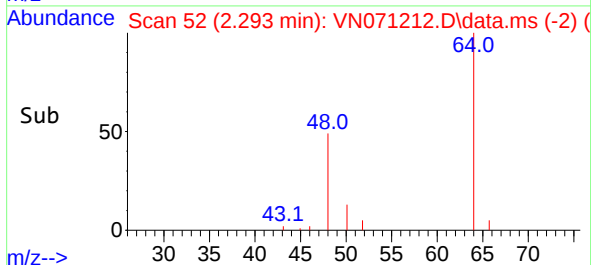
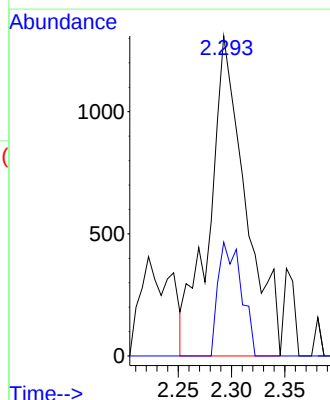
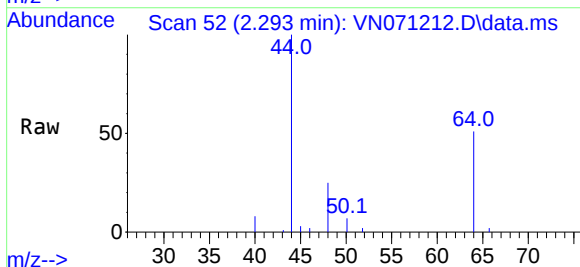
Instrument :
MSVOA_N
ClientSampleId :

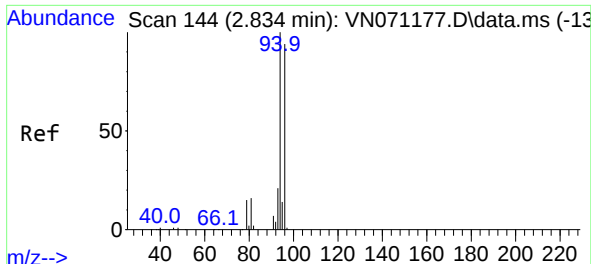
Tgt Ion:168 Resp: 807305
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9



#3
Chloromethane
Concen: 0.225 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion: 50 Resp: 3087
Ion Ratio Lower Upper
50 100
52 35.6 25.4 38.0

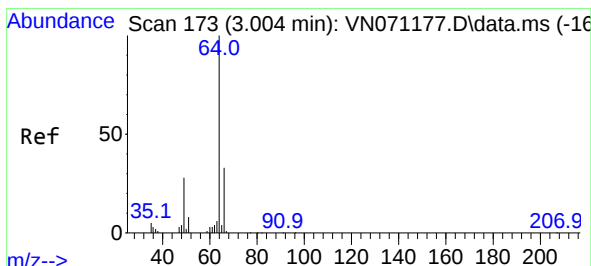
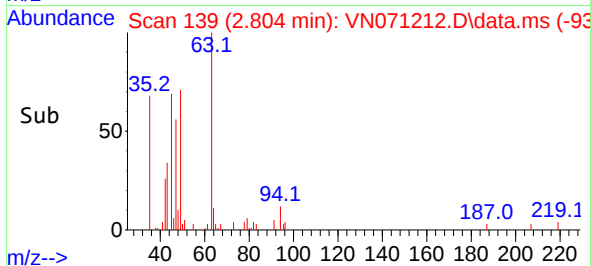
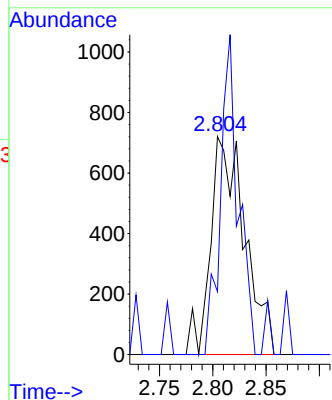
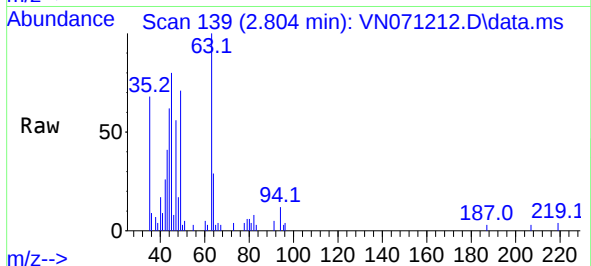




#5
Bromomethane
Concen: Below Cal
RT: 2.804 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

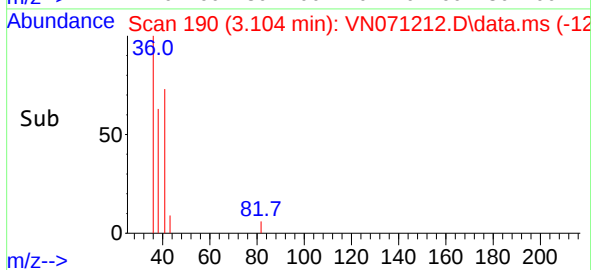
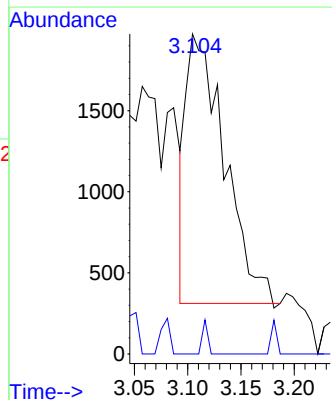
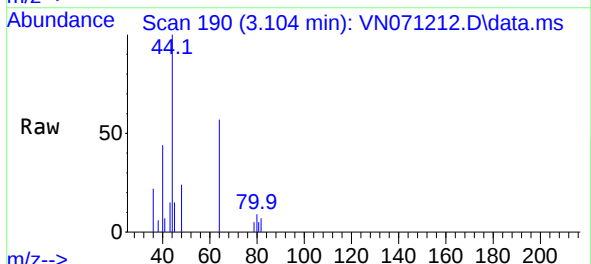
Instrument :
MSVOA_N
ClientSampleId :

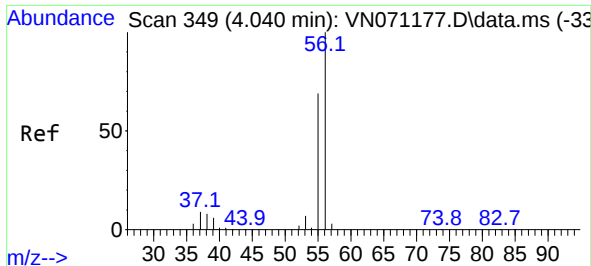
Tgt Ion: 94 Resp: 1611
Ion Ratio Lower Upper
94 100
96 28.8 73.8 110.8#



#6
Chloroethane
Concen: 0.638 ug/l
RT: 3.104 min Scan# 190
Delta R.T. 0.100 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

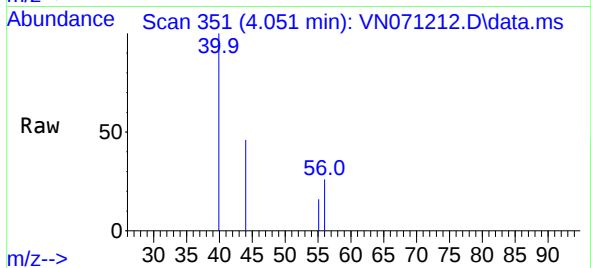
Tgt Ion: 64 Resp: 4190
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



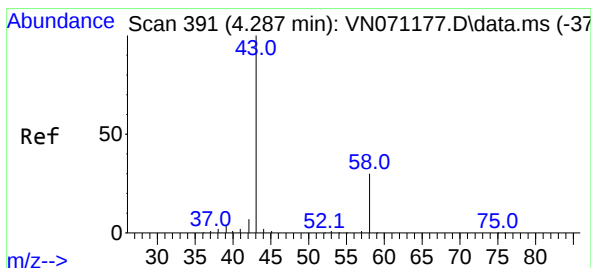
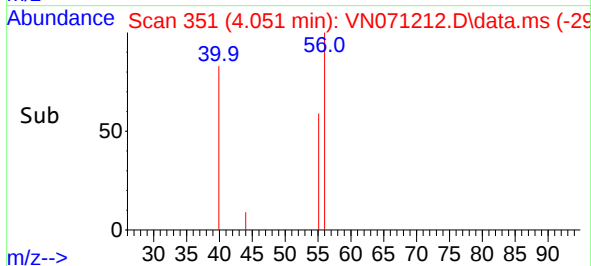
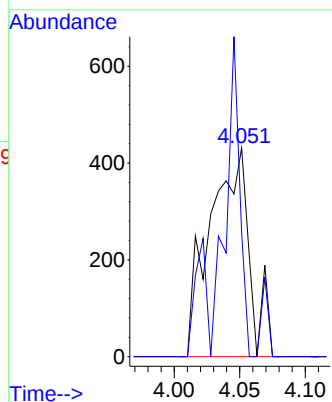


#13
Acrolein
Concen: 0.395 ug/l
RT: 4.051 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Instrument :
MSVOA_N
ClientSampleId :

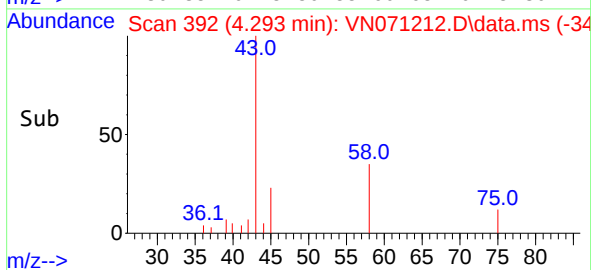
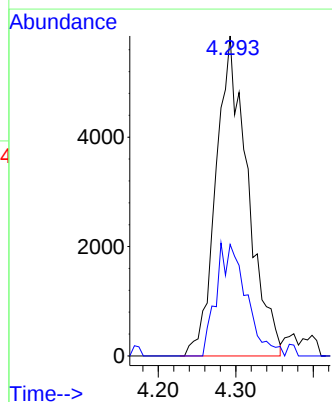
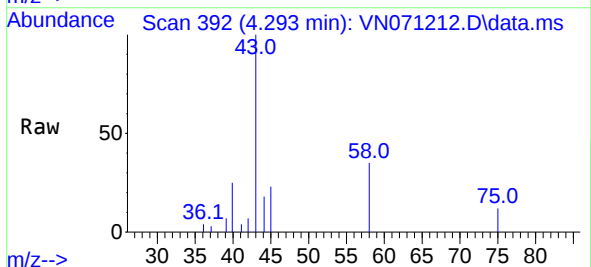


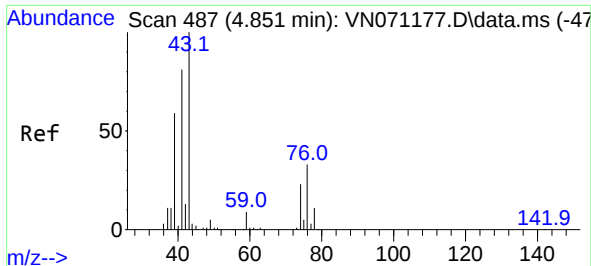
Tgt Ion: 56 Resp: 908
Ion Ratio Lower Upper
56 100
55 53.6 56.6 85.0#



#16
Acetone
Concen: 3.094 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion: 43 Resp: 16657
Ion Ratio Lower Upper
43 100
58 34.8 23.1 34.7#

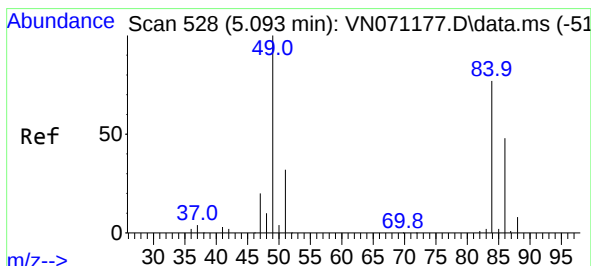
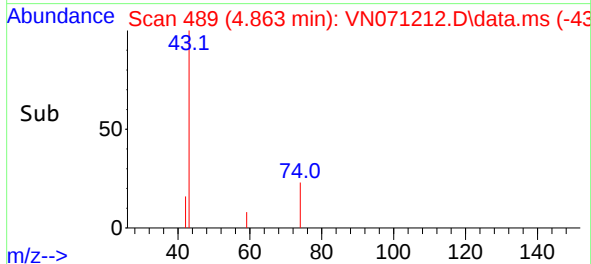
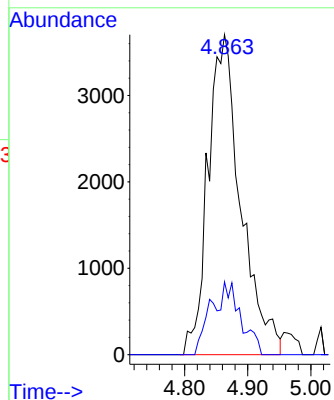
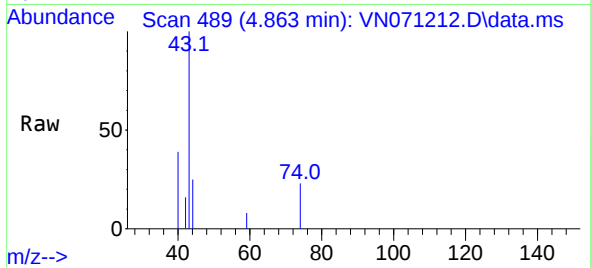




#18
Methyl Acetate
Concen: 1.385 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

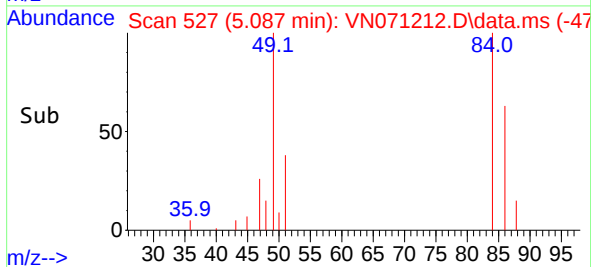
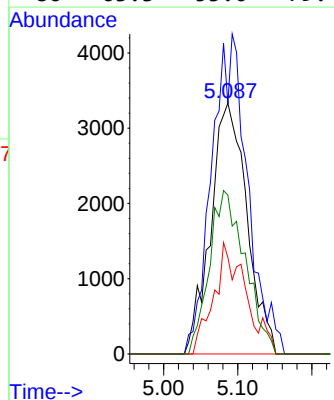
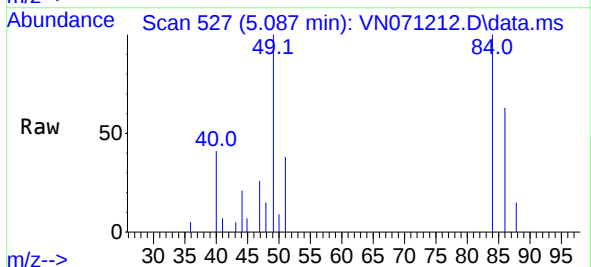
Instrument :
MSVOA_N
ClientSampleId :

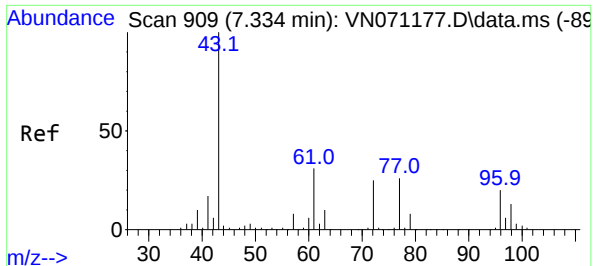
Tgt Ion: 43 Resp: 13348
Ion Ratio Lower Upper
43 100
74 13.5 19.4 29.2#



#20
Methylene Chloride
Concen: 1.524 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion: 84 Resp: 11322
Ion Ratio Lower Upper
84 100
49 99.9 93.5 140.3
51 38.4 29.4 44.2
86 63.3 53.0 79.4





#25

2-Butanone

Concen: 0.599 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.006 min

Lab File: VN071212.D

Acq: 09 Mar 2022 16:09

Instrument :

MSVOA_N

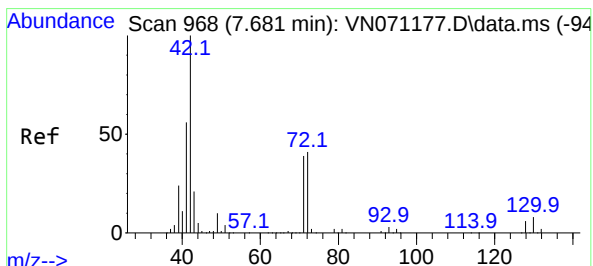
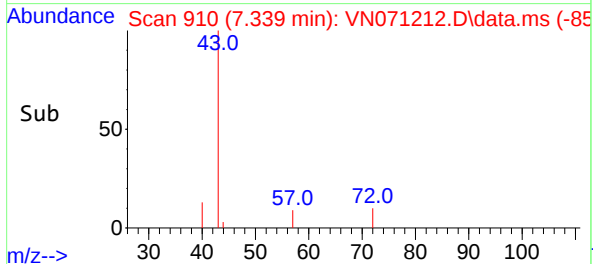
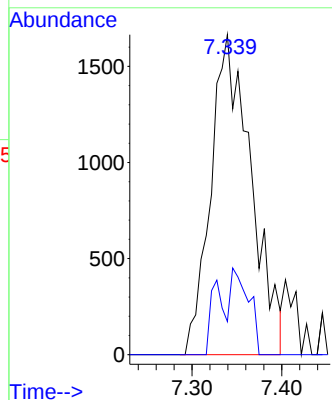
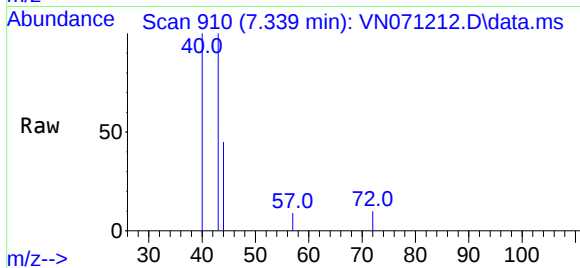
ClientSampleId :

Tgt Ion: 43 Resp: 5191

Ion Ratio Lower Upper

43 100

72 10.3 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 7.686 min Scan# 969

Delta R.T. 0.006 min

Lab File: VN071212.D

Acq: 09 Mar 2022 16:09

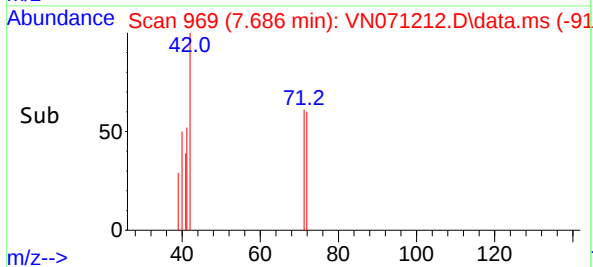
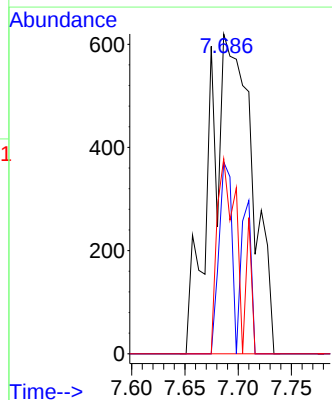
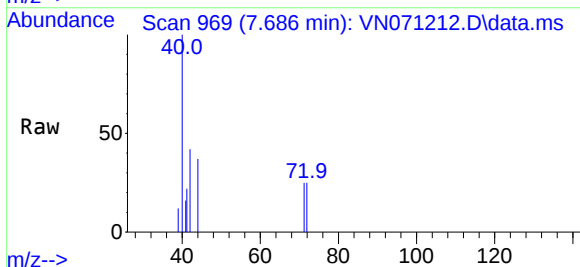
Tgt Ion: 42 Resp: 1717

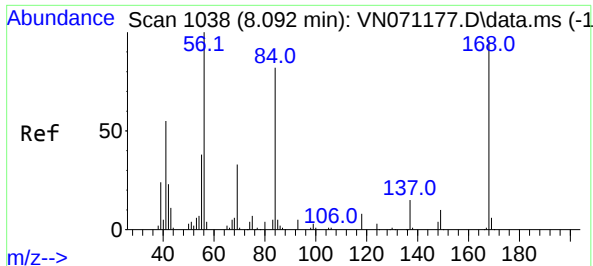
Ion Ratio Lower Upper

42 100

72 18.0 36.3 54.5#

71 31.0 34.7 52.1#





#31

Cyclohexane

Concen: 0.946 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071212.D

Acq: 09 Mar 2022 16:09

Instrument :

MSVOA_N

ClientSampleId :

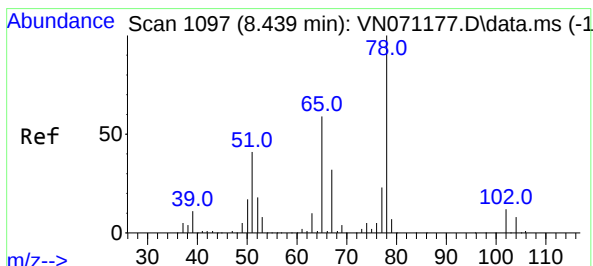
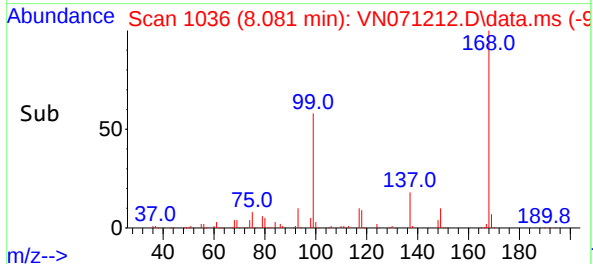
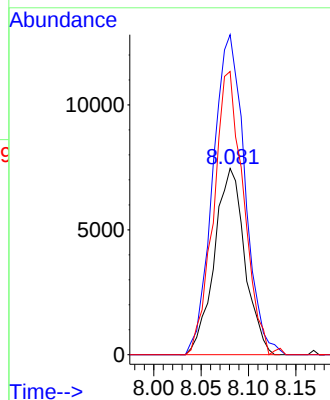
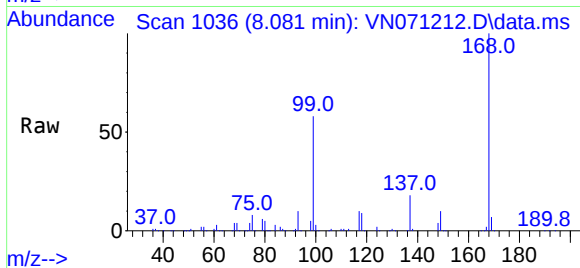
Tgt Ion: 56 Resp: 16715

Ion Ratio Lower Upper

56 100

69 171.9 27.1 40.7#

84 152.1 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 45.881 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071212.D

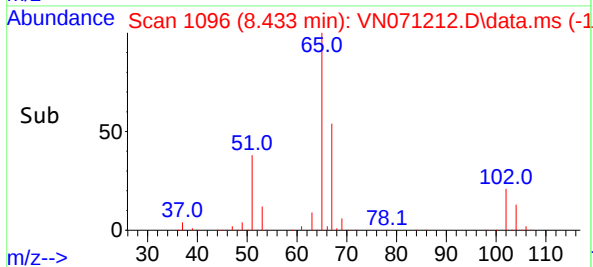
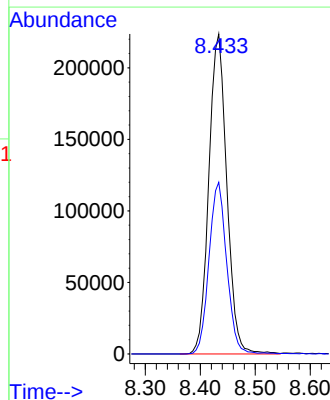
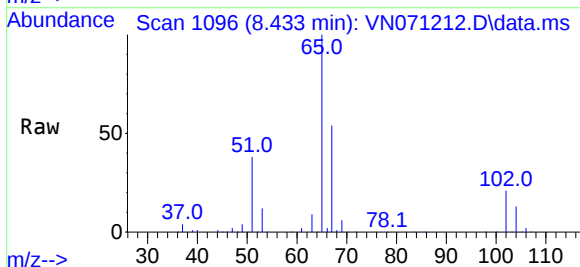
Acq: 09 Mar 2022 16:09

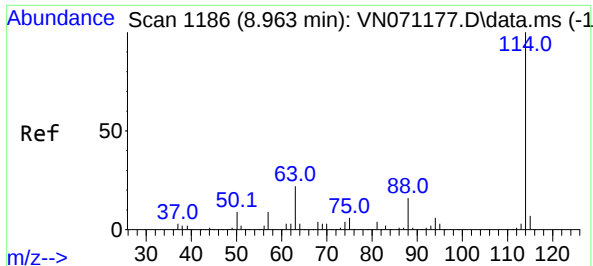
Tgt Ion: 65 Resp: 507642

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.0

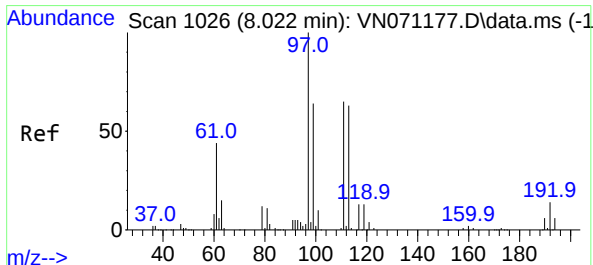
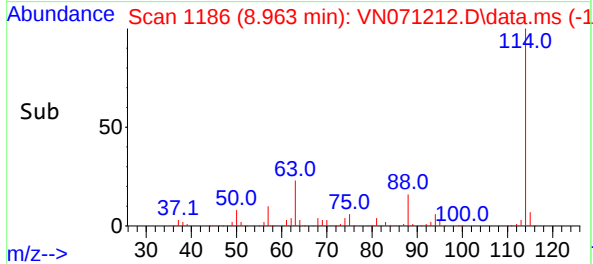
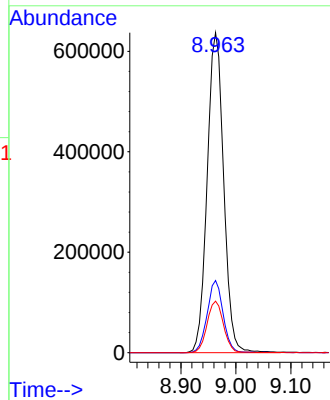
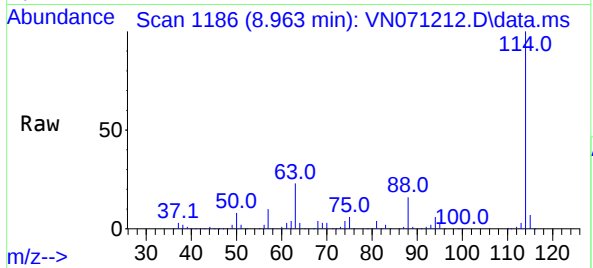




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

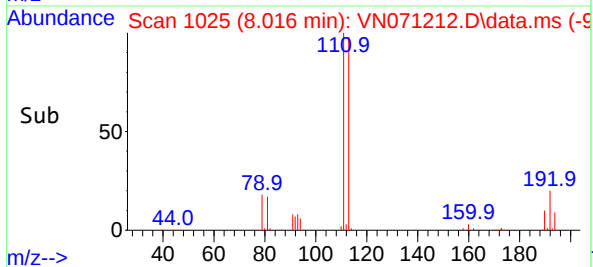
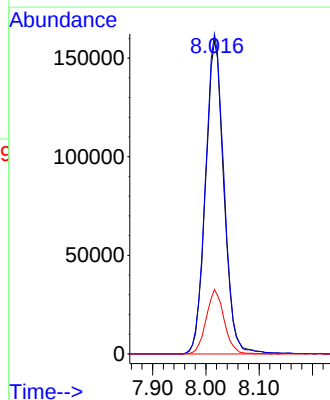
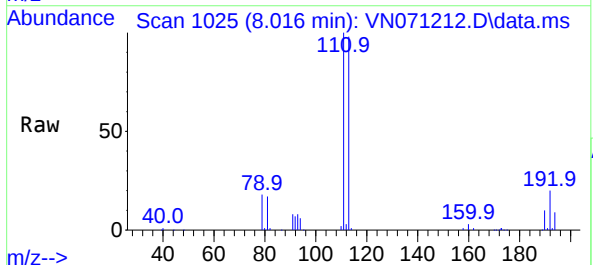
Instrument :
MSVOA_N
ClientSampleId :

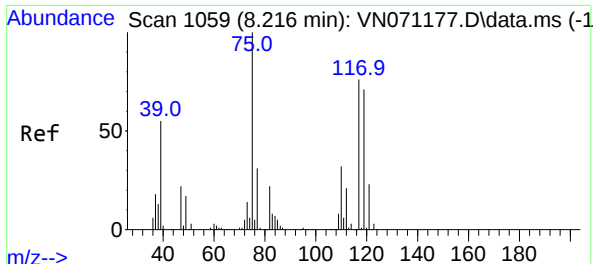
Tgt Ion:114 Resp: 1327995
Ion Ratio Lower Upper
114 100
63 22.6 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 45.303 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion:113 Resp: 379643
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 20.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.690 ug/l

RT: 8.081 min Scan# 1059

Delta R.T. -0.135 min

Lab File: VN071212.D

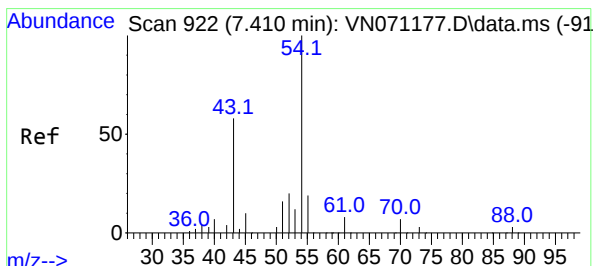
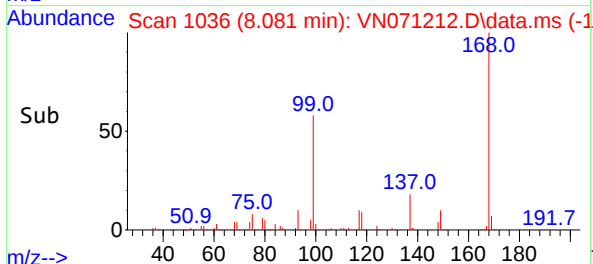
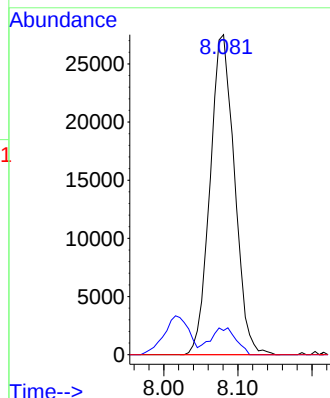
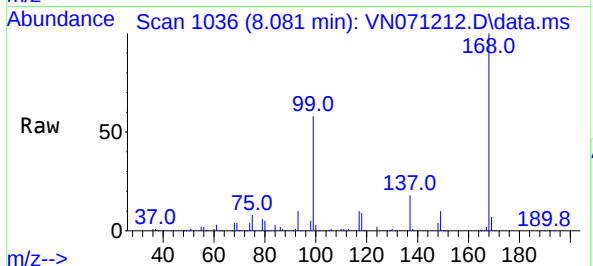
Acq: 09 Mar 2022 16:09

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	62975
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.4	55.2#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 0.281 ug/l

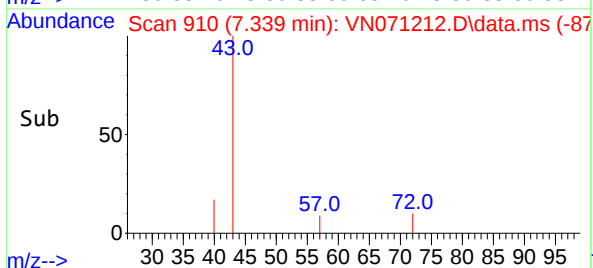
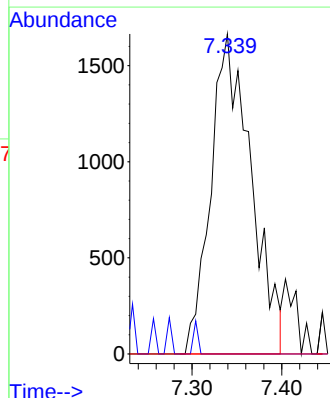
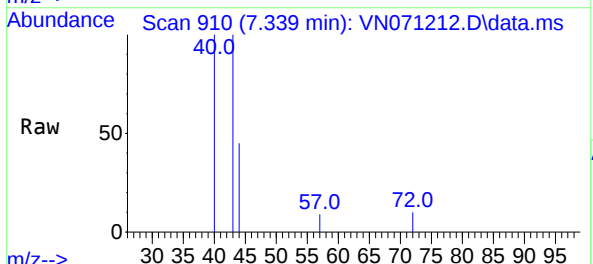
RT: 7.339 min Scan# 910

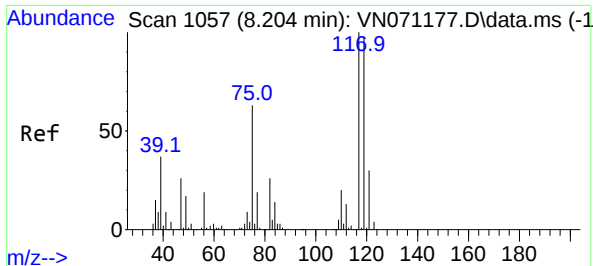
Delta R.T. -0.071 min

Lab File: VN071212.D

Acq: 09 Mar 2022 16:09

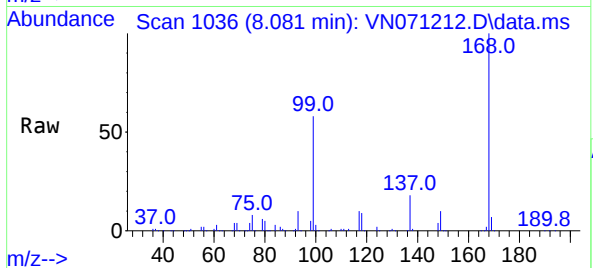
Tgt Ion:	43	Resp:	5191
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



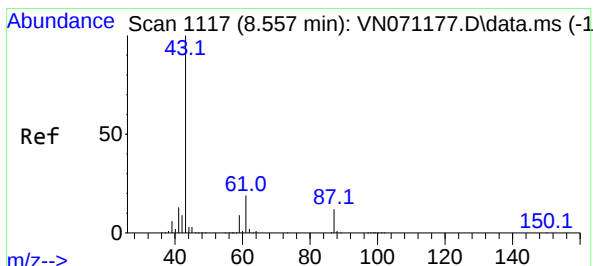
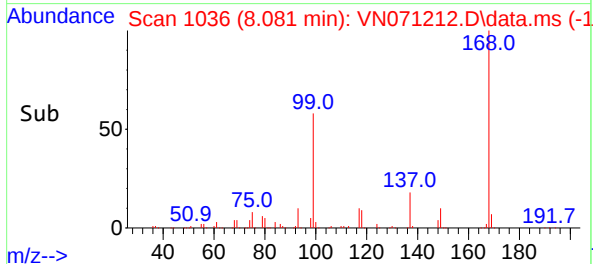
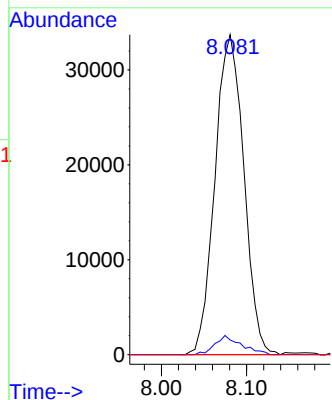


#38
Carbon Tetrachloride
Concen: 6.106 ug/l
RT: 8.081 min Scan# 1109
Delta R.T. -0.124 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Instrument :
MSVOA_N
ClientSampleId :

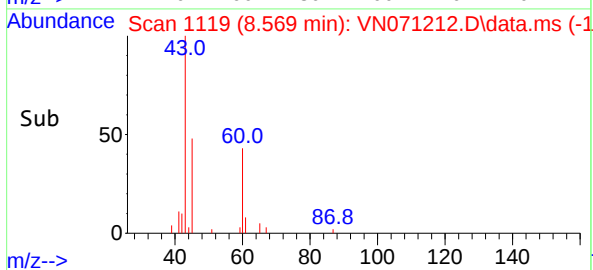
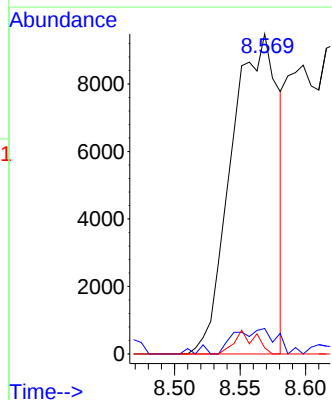
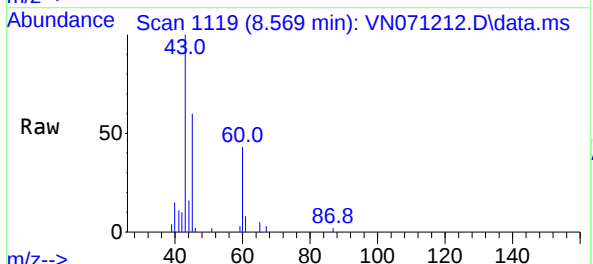


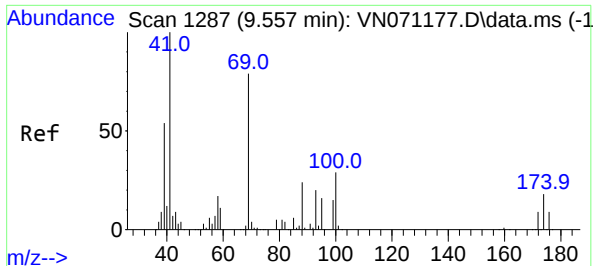
Tgt Ion:117 Resp: 79294
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.850 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion: 43 Resp: 23481
Ion Ratio Lower Upper
43 100
61 3.2 20.4 30.6#
87 3.4 11.2 16.8#





#48

Methyl methacrylate

Concen: 0.226 ug/l

RT: 9.539 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN071212.D

Acq: 09 Mar 2022 16:09

Instrument :

MSVOA_N

ClientSampleId :

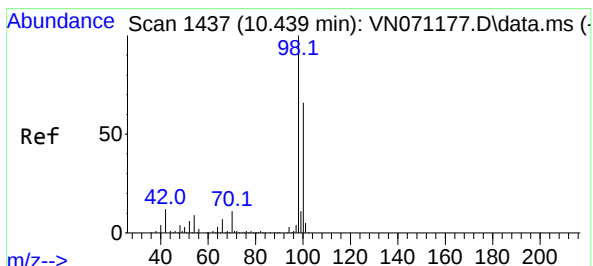
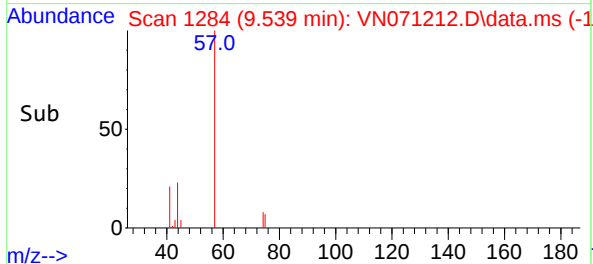
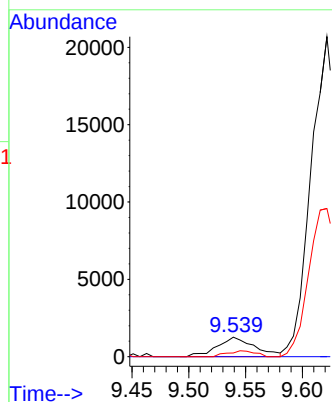
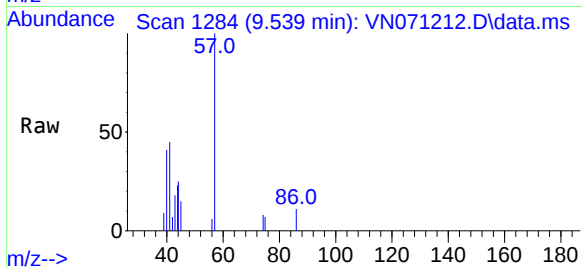
Tgt Ion: 41 Resp: 2893

Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 22.5 58.4 87.6#



#50

Toluene-d8

Concen: 48.849 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071212.D

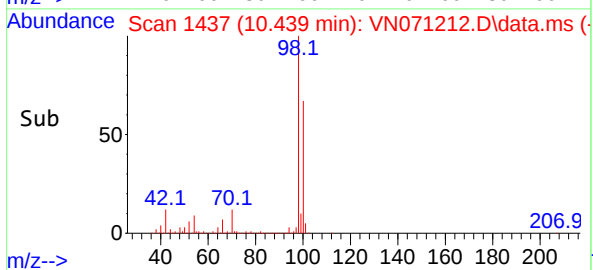
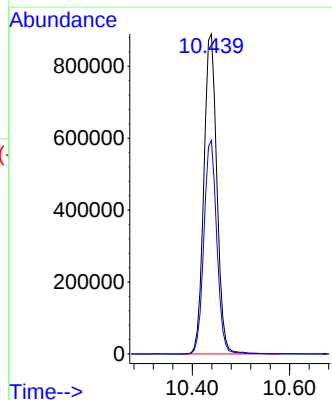
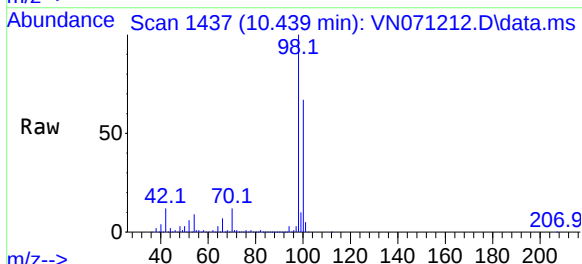
Acq: 09 Mar 2022 16:09

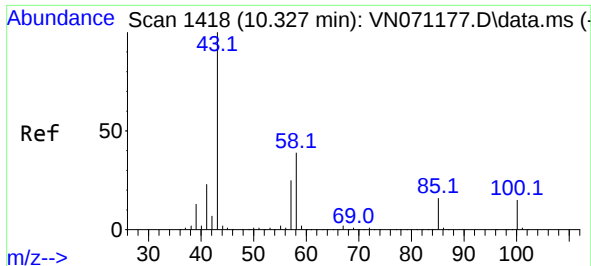
Tgt Ion: 98 Resp: 1648196

Ion Ratio Lower Upper

98 100

100 66.3 50.4 75.6

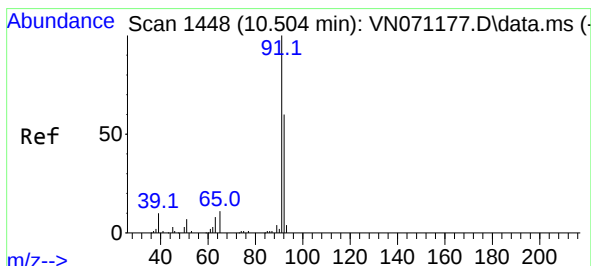
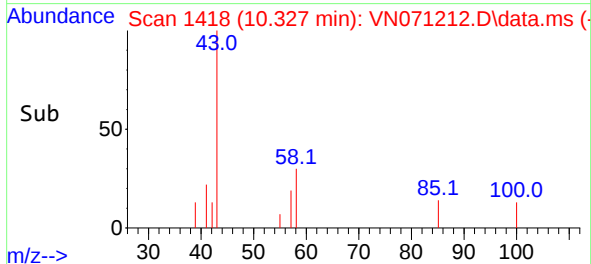
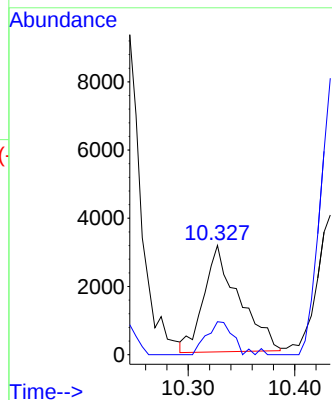
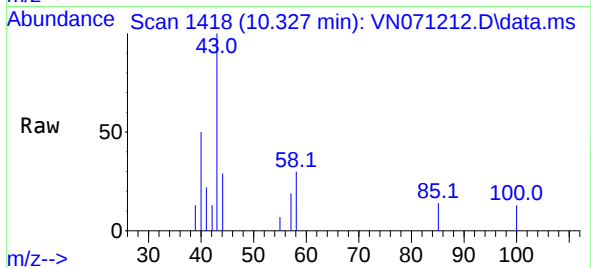




#51
4-Methyl-2-Pentanone
Concen: 0.419 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

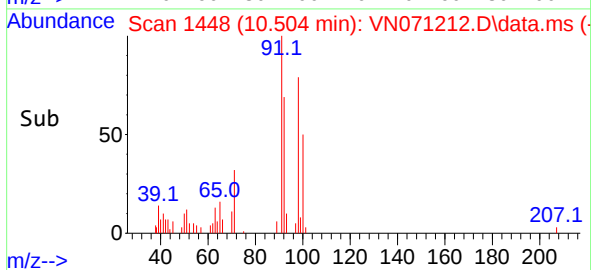
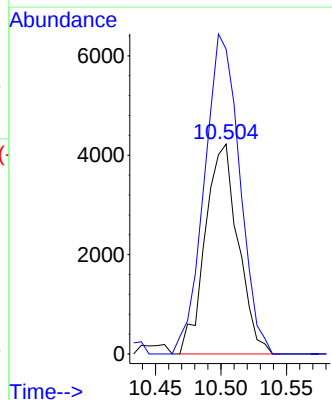
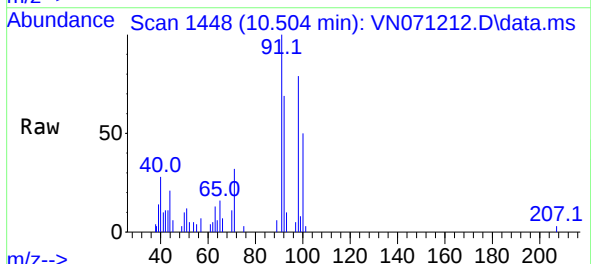
Instrument :
MSVOA_N
ClientSampleId :

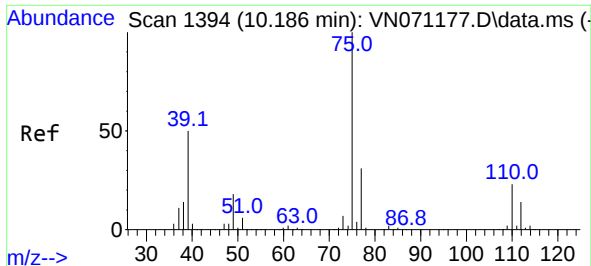
Tgt Ion: 43 Resp: 7180
Ion Ratio Lower Upper
43 100
58 24.0 30.4 45.6#



#52
Toluene
Concen: 0.296 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion: 92 Resp: 7368
Ion Ratio Lower Upper
92 100
91 163.7 142.0 213.0

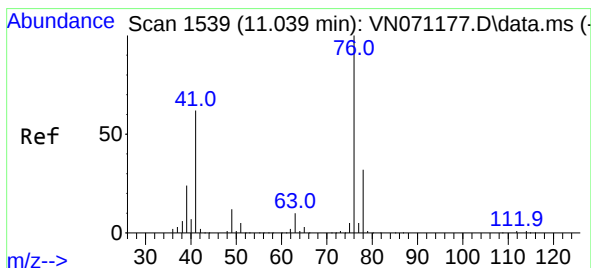
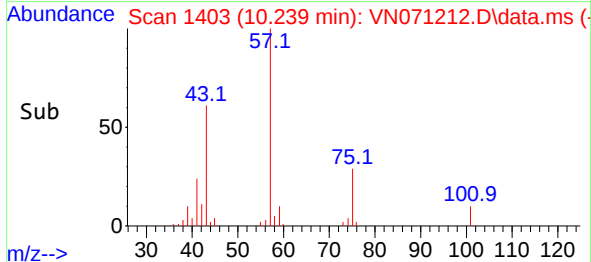
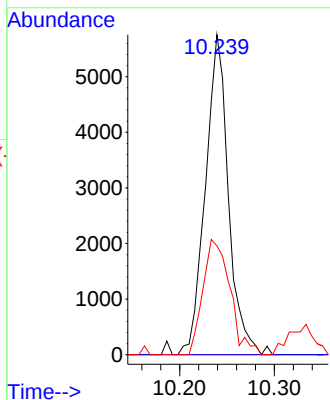
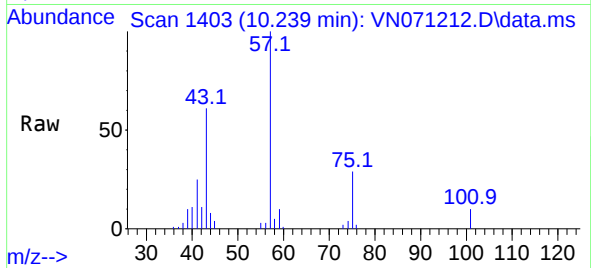




#54
 cis-1,3-Dichloropropene
 Concen: 0.598 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071212.D
 Acq: 09 Mar 2022 16:09

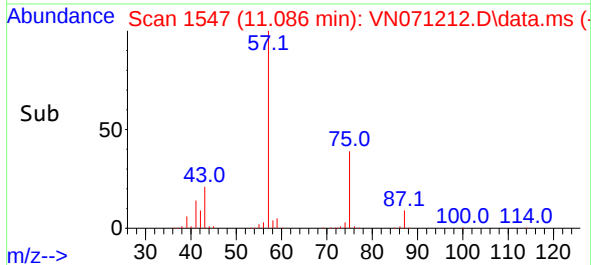
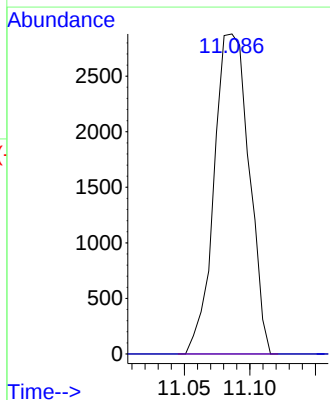
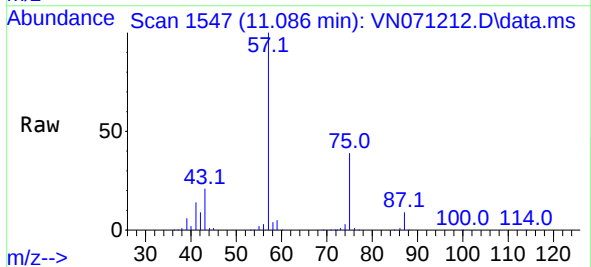
Instrument :
 MSVOA_N
 ClientSampleId :

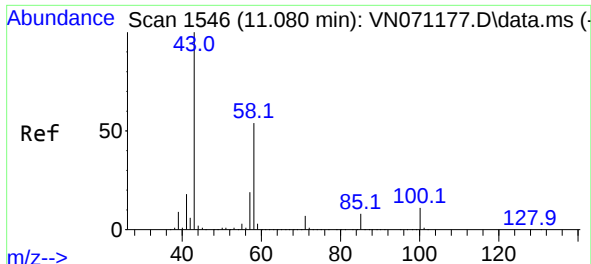
Tgt Ion: 75 Resp: 9728
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 34.0 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 0.298 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071212.D
 Acq: 09 Mar 2022 16:09

Tgt Ion: 76 Resp: 5338
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

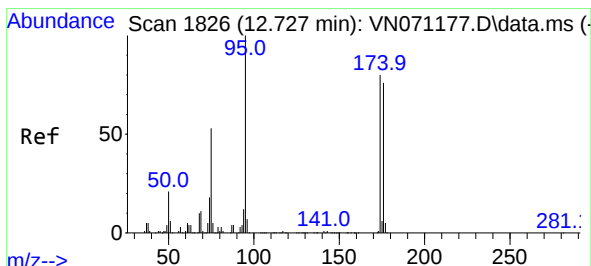
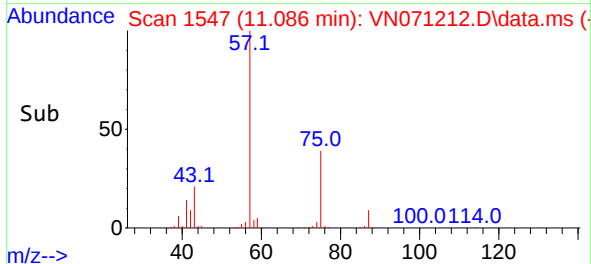
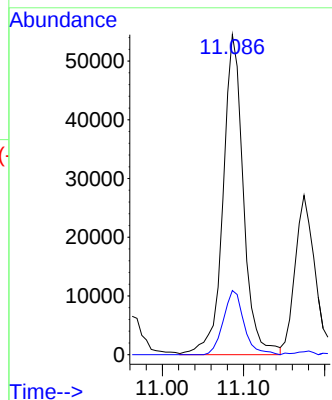
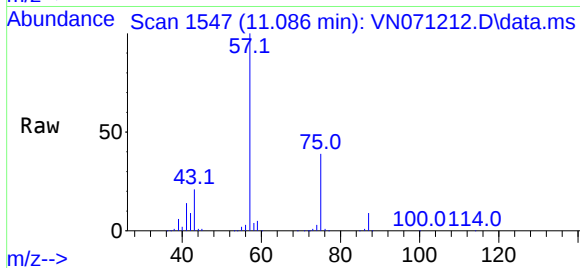




#59
2-Hexanone
Concen: 8.125 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

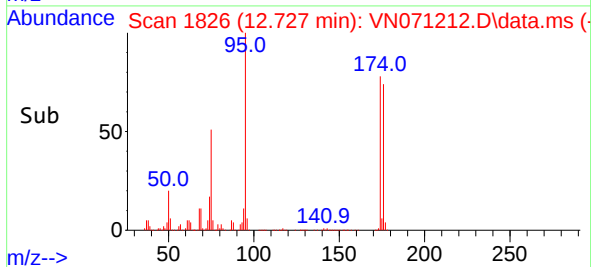
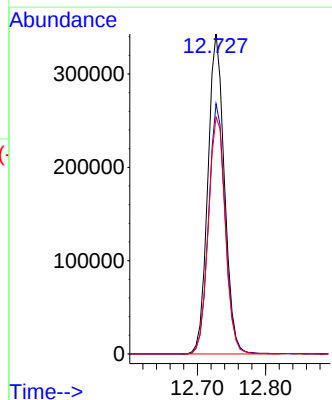
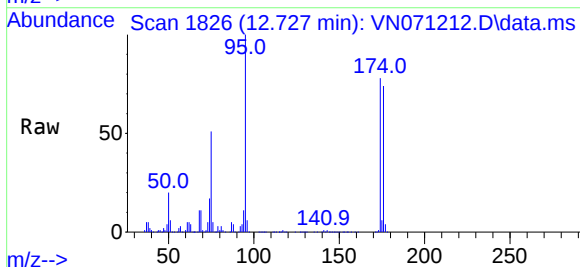
Instrument :
MSVOA_N
ClientSampleId :

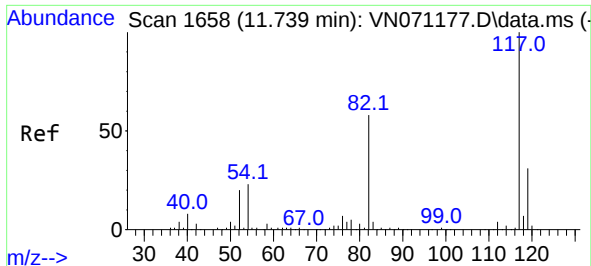
Tgt Ion: 43 Resp: 95074
Ion Ratio Lower Upper
43 100
58 20.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.692 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion: 95 Resp: 579182
Ion Ratio Lower Upper
95 100
174 78.5 0.0 187.2
176 75.8 0.0 181.4

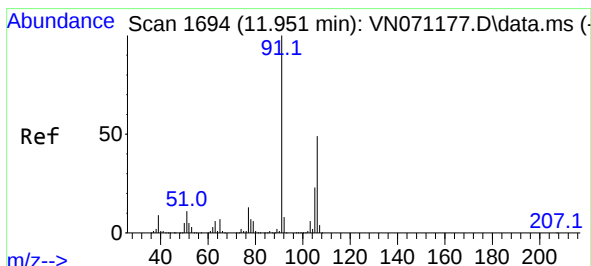
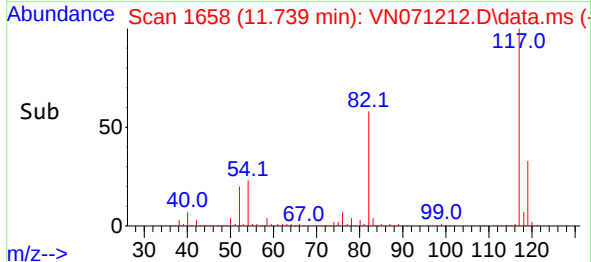
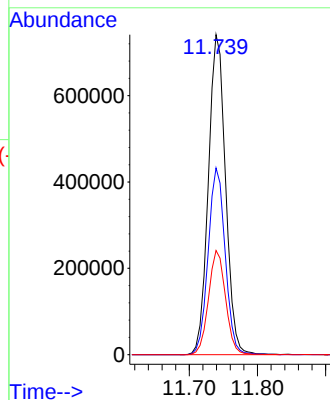
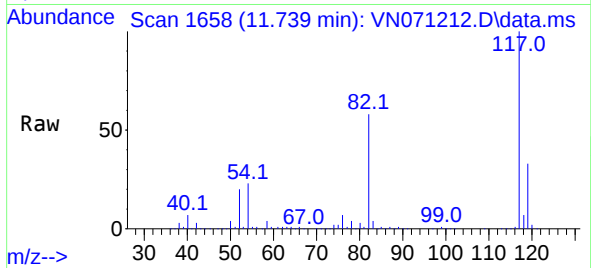




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

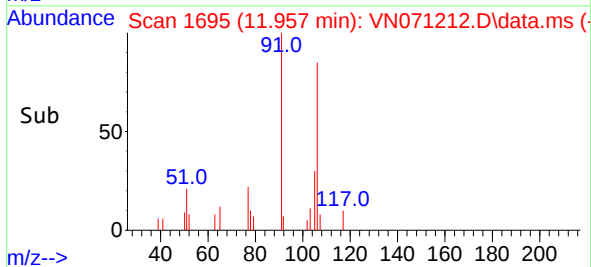
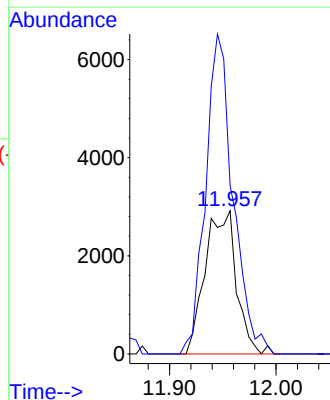
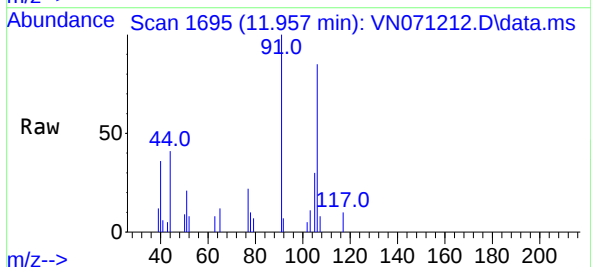
Instrument :
MSVOA_N
ClientSampleId :

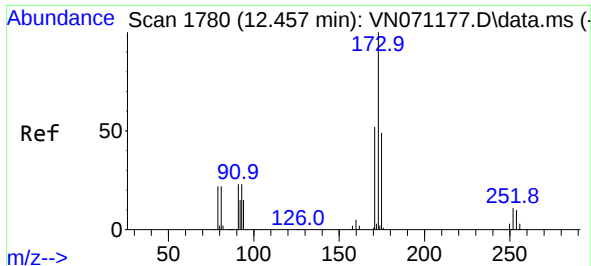
Tgt Ion:117 Resp: 1302581
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.6 25.4 38.2



#68
m/p-Xylenes
Concen: 0.328 ug/l
RT: 11.957 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion:106 Resp: 5935
Ion Ratio Lower Upper
106 100
91 196.8 160.6 240.8

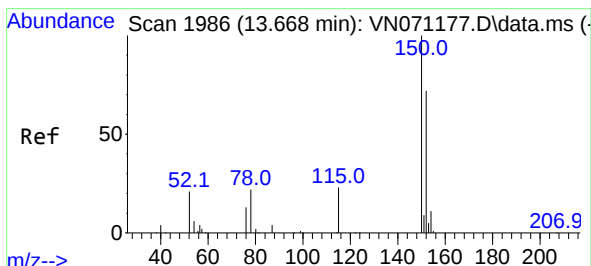
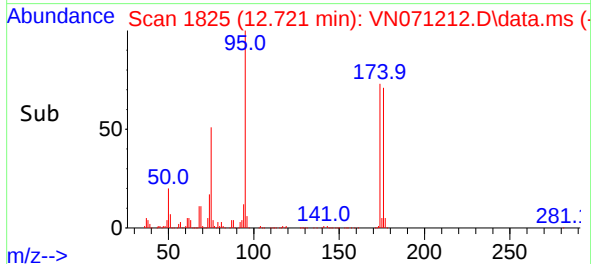
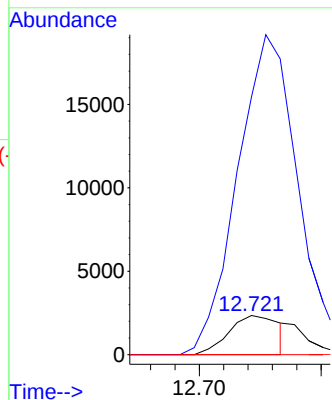
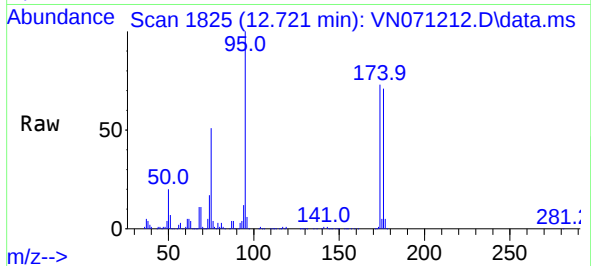




#71
Bromoform
Concen: 0.436 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

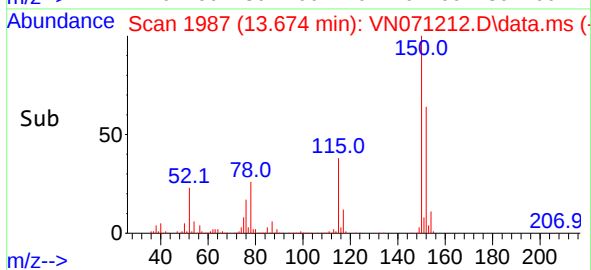
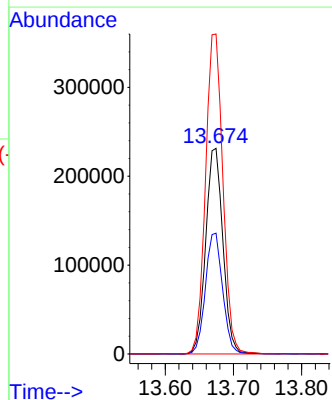
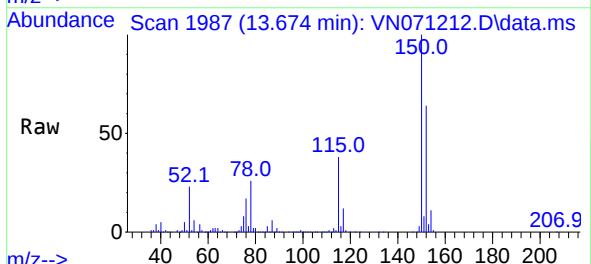
Instrument :
MSVOA_N
ClientSampleId :

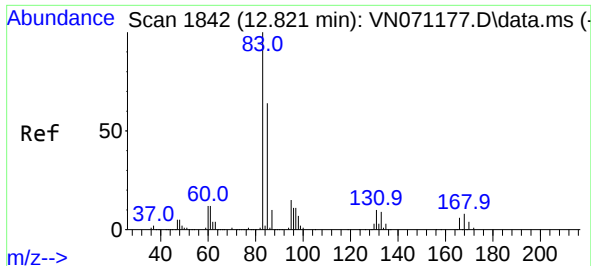
Tgt Ion:173 Resp: 3394
Ion Ratio Lower Upper
173 100
175 740.9 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion:152 Resp: 406705
Ion Ratio Lower Upper
152 100
115 58.7 27.5 82.5
150 157.1 0.0 344.4

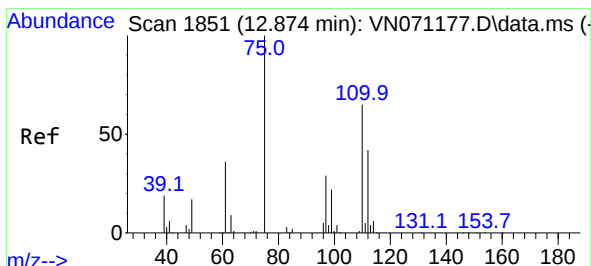
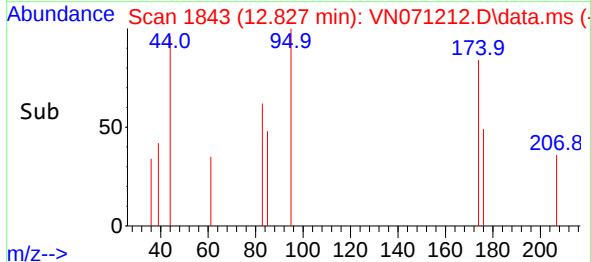
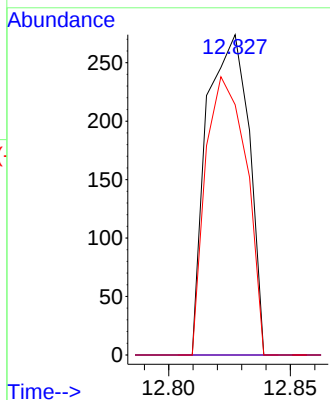
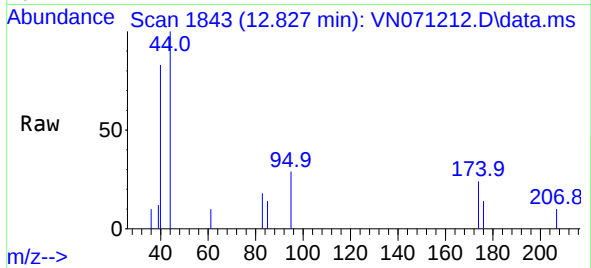




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

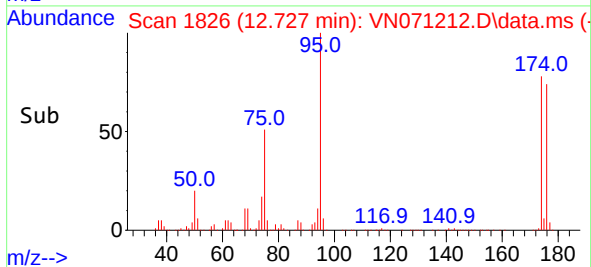
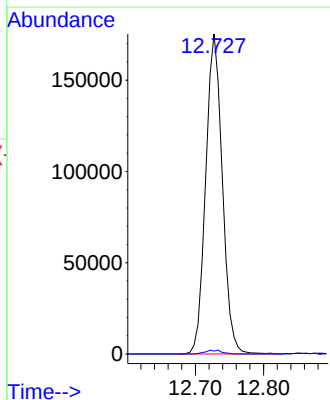
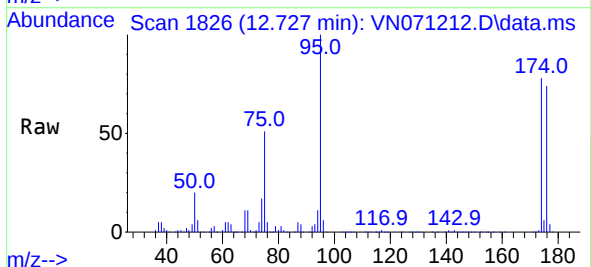
Instrument :
MSVOA_N
ClientSampleId :

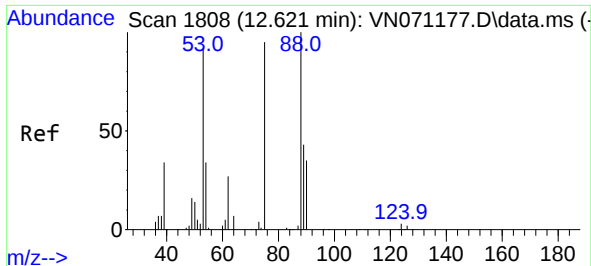
Tgt Ion: 83 Resp: 330
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 83.6 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 29.020 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion: 75 Resp: 297732
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

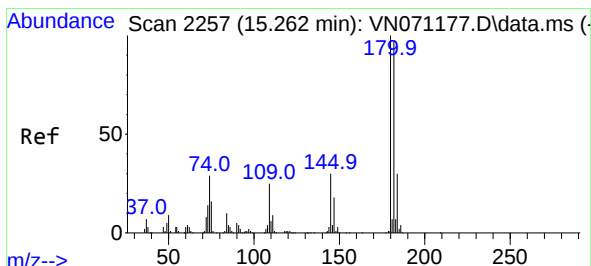
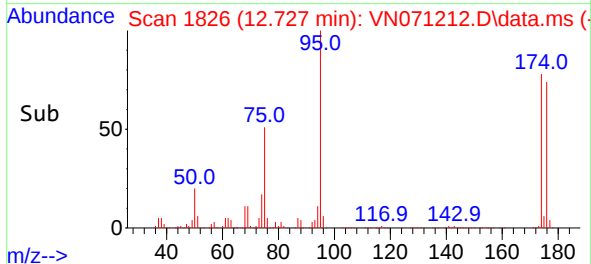
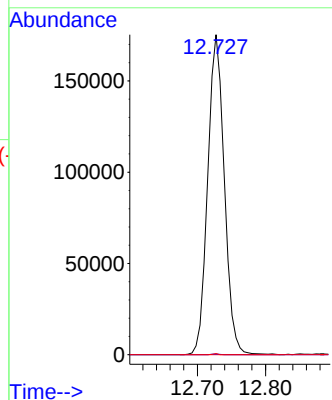
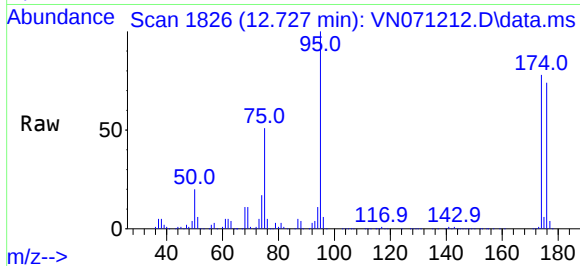




#81
trans-1,4-Dichloro-2-butene
Concen: 79.135 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

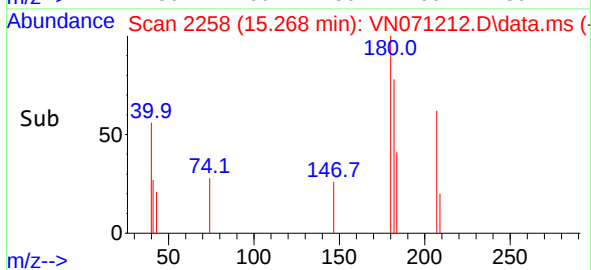
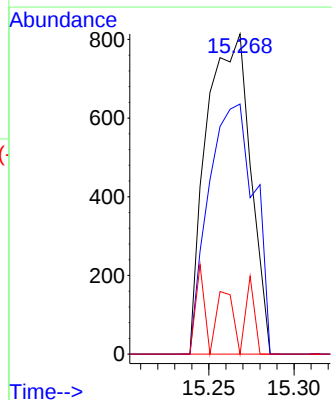
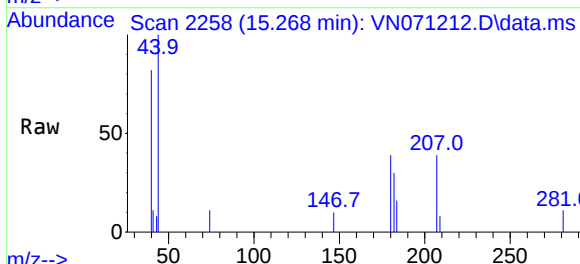
Instrument :
MSVOA_N
ClientSampleId :

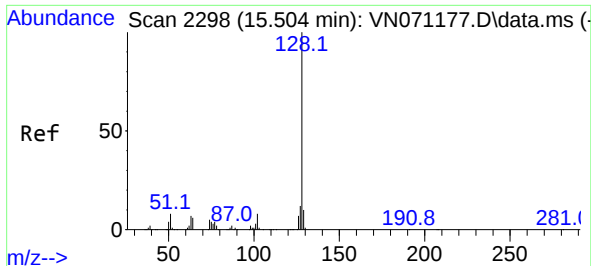
Tgt Ion: 75 Resp: 297732
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.1 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.195 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion:180 Resp: 1456
Ion Ratio Lower Upper
180 100
182 81.7 48.3 144.9
145 0.0 14.5 43.5#

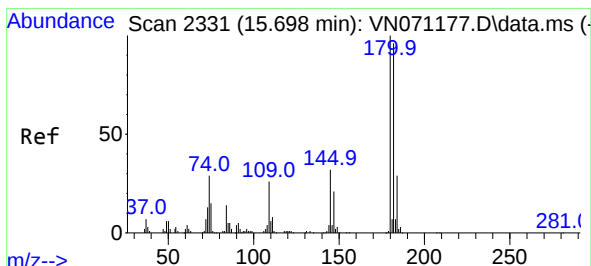
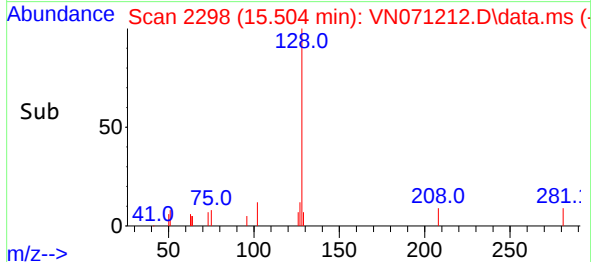
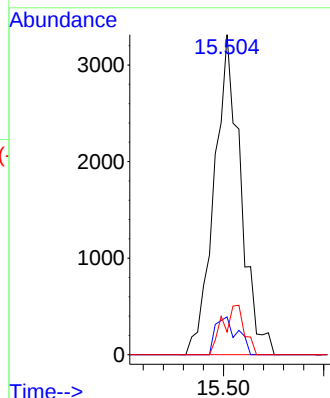
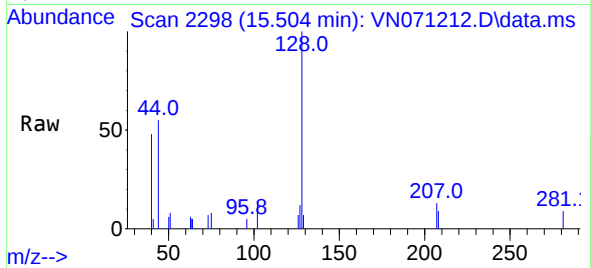




#95
Naphthalene
Concen: 5.360 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 6059
Ion Ratio Lower Upper
128 100
127 9.8 10.5 15.7#
129 12.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.963 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071212.D
Acq: 09 Mar 2022 16:09

Tgt Ion:180 Resp: 1560
Ion Ratio Lower Upper
180 100
182 87.9 47.4 142.2
145 32.1 15.0 45.1

