

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071208.D
 Acq On : 09 Mar 2022 14:33
 Operator : JC\MD
 Sample : N1830-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 01:12:18 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)

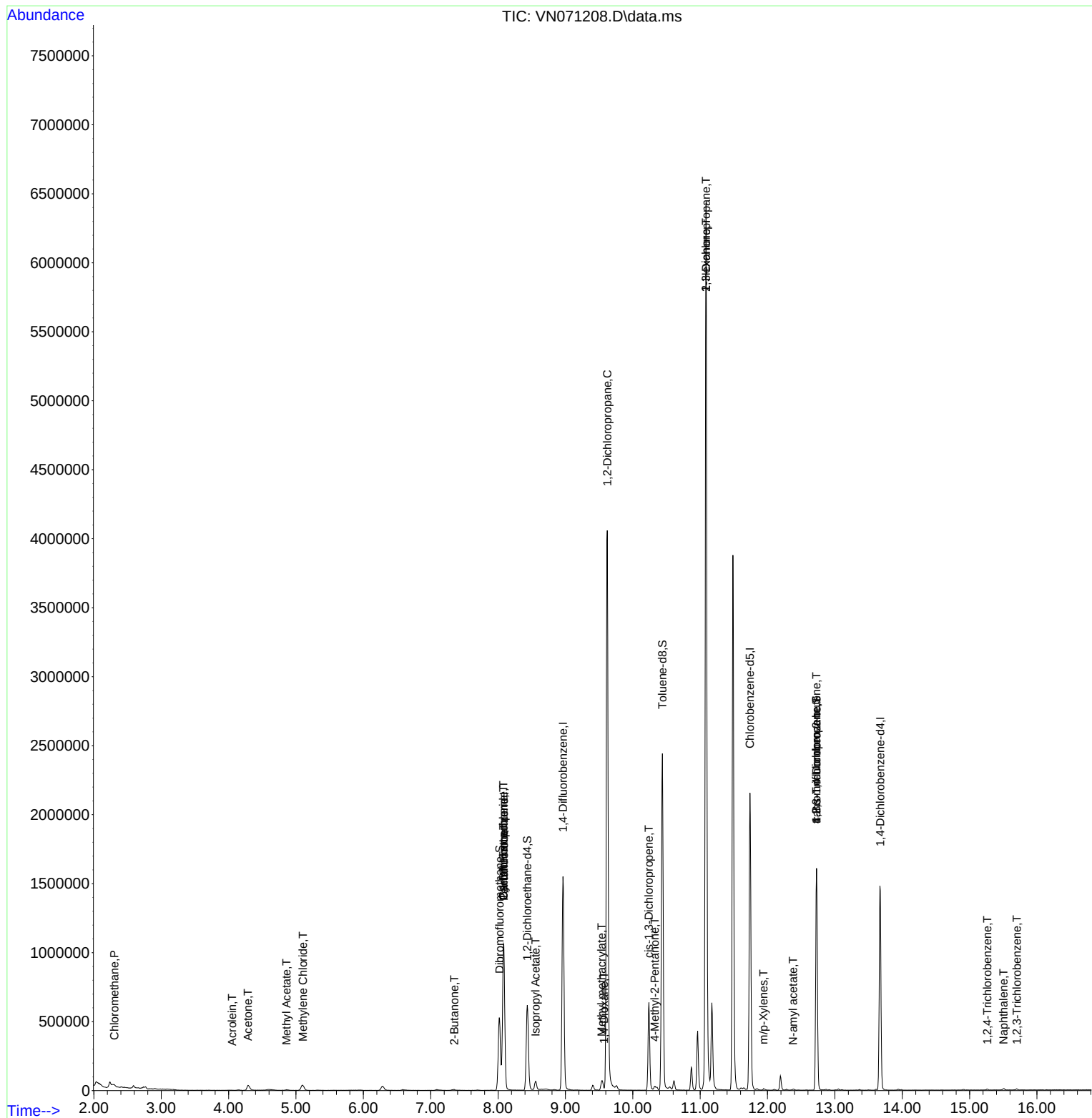
Internal Standards						
1) Pentafluorobenzene	8.086	168	836806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1344120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1254349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	415600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	514923	44.898	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.800%
35) Dibromofluoromethane	8.022	113	394038	46.457	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.920%
50) Toluene-d8	10.439	98	1685383	49.352	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.727	95	573499	49.593	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	3395	0.241	ug/l #	86
5) Bromomethane	2.840	94	1432	Below Cal	#	58
13) Acrolein	4.051	56	1254	0.526	ug/l #	64
16) Acetone	4.287	43	67495	12.095	ug/l	97
18) Methyl Acetate	4.857	43	9182	1.077	ug/l #	81
20) Methylene Chloride	5.104	84	29519	3.254	ug/l	91
25) 2-Butanone	7.351	43	11841	1.317	ug/l	99
31) Cyclohexane	8.081	56	18149	0.991	ug/l #	14
36) 1,1-Dichloropropene	8.081	75	65588	4.826	ug/l #	49
38) Carbon Tetrachloride	8.081	117	79521	6.050	ug/l #	16
43) Isopropyl Acetate	8.557	43	75381	2.695	ug/l #	90
45) 1,2-Dichloropropane	9.622	63	5395	0.491	ug/l #	44
48) Methyl methacrylate	9.539	41	21718	1.676	ug/l #	9
49) 1,4-Dioxane	9.575	88	124	0.550	ug/l #	27
51) 4-Methyl-2-Pentanone	10.327	43	14862	0.856	ug/l #	72
54) cis-1,3-Dichloropropene	10.239	75	113530	6.894	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	66344	3.658	ug/l #	43
59) 2-Hexanone	11.086	43	1061404	89.622	ug/l #	49
68) m/p-Xylenes	11.939	106	3650	0.209	ug/l	89
74) N-amyl acetate	12.380	43	6567	0.436	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.827	83	489	Below Cal	#	80
76) 1,2,3-Trichloropropane	12.727	75	300167	28.591	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	300167	78.075	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	2612	3.350	ug/l	96
95) Naphthalene	15.504	128	10108	5.544	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.704	180	2890	3.151	ug/l	89

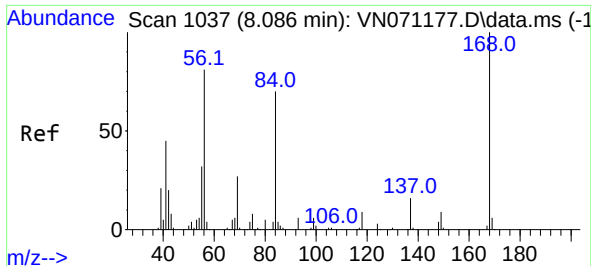
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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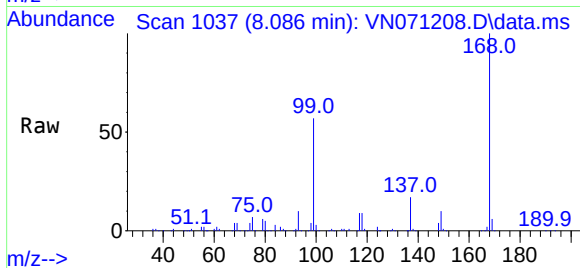
Quant Time: Mar 10 01:12:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
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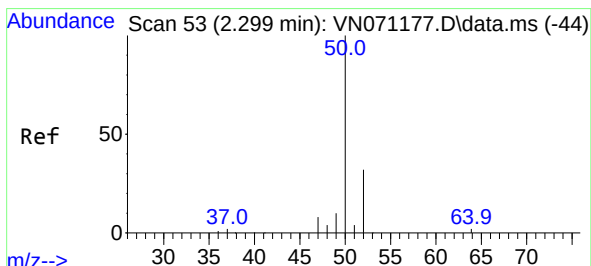
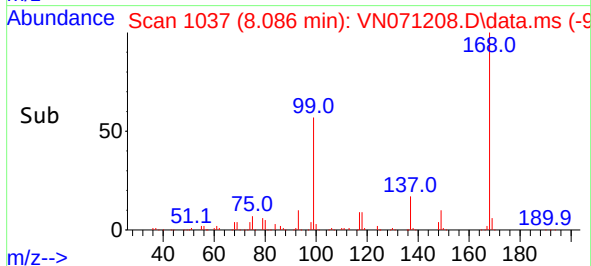
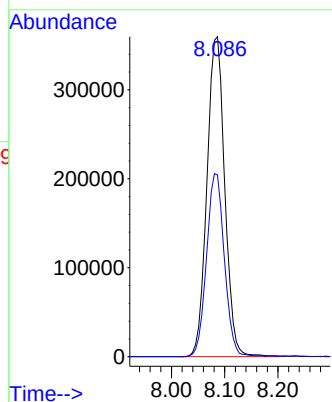


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :

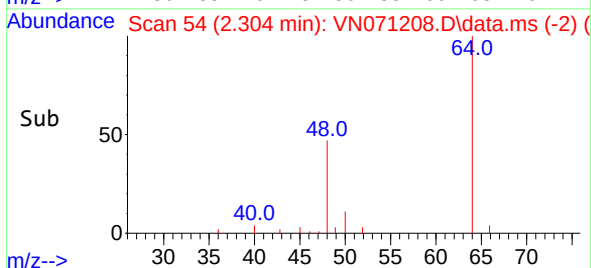
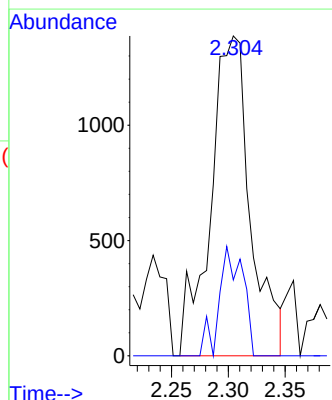
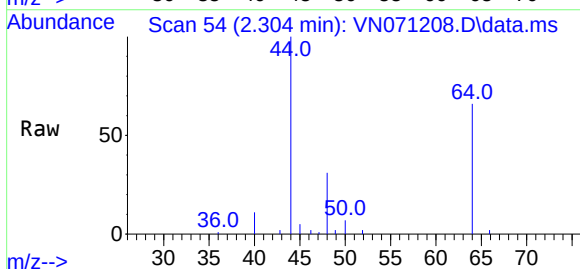


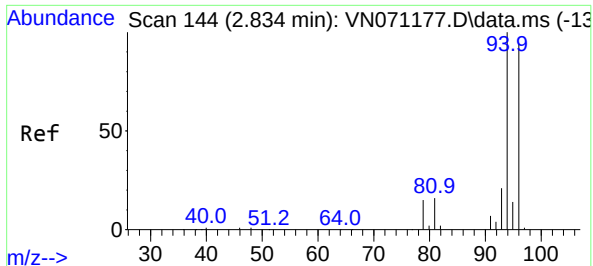
Tgt Ion:168 Resp: 836806
Ion Ratio Lower Upper
168 100
99 56.8 41.3 61.9



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Tgt Ion: 50 Resp: 3395
Ion Ratio Lower Upper
50 100
52 23.7 25.4 38.0#

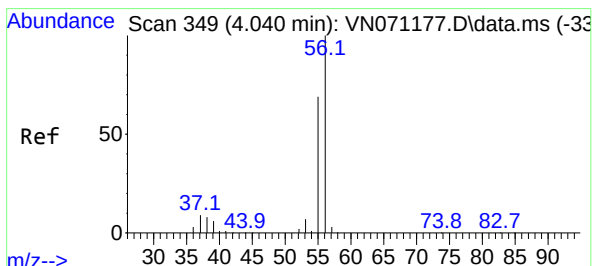
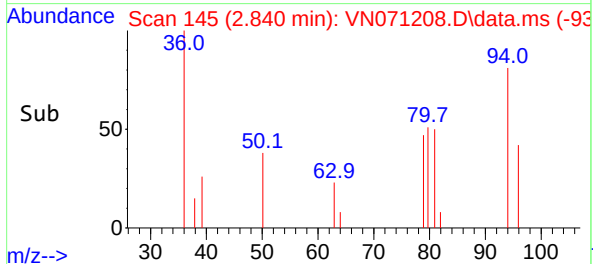
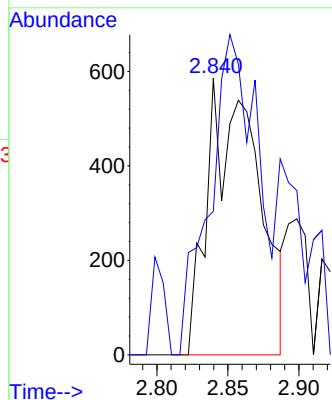
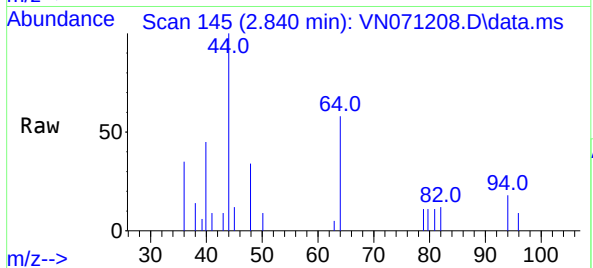




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

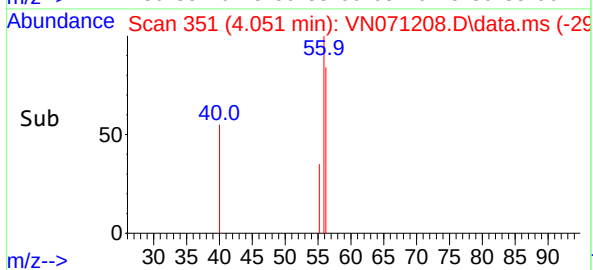
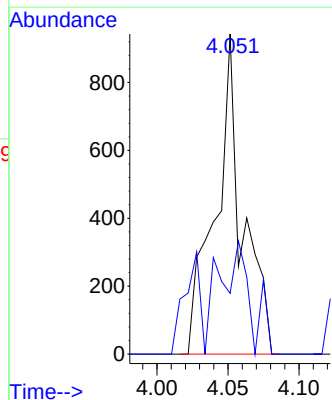
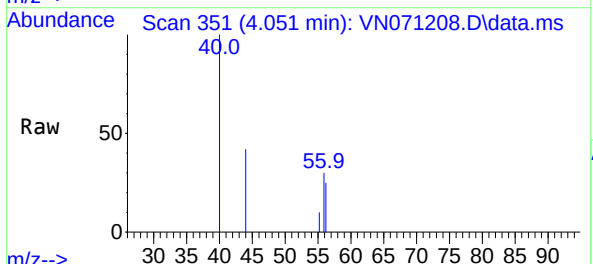
Instrument :
MSVOA_N
ClientSampleId :

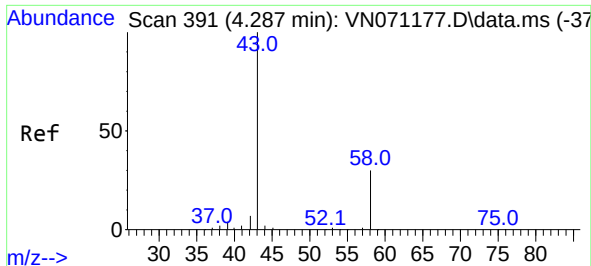
Tgt Ion: 94 Resp: 1432
Ion Ratio Lower Upper
94 100
96 51.9 73.8 110.8#



#13
Acrolein
Concen: 0.526 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.012 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Tgt Ion: 56 Resp: 1254
Ion Ratio Lower Upper
56 100
55 40.9 56.6 85.0#

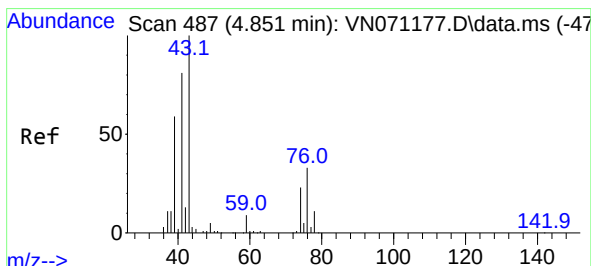
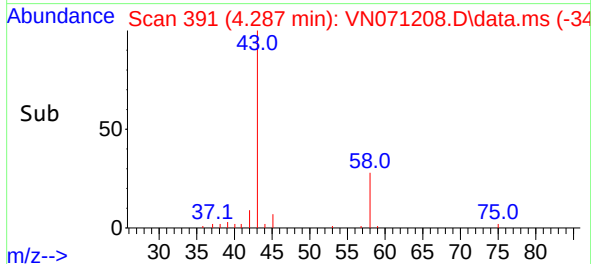
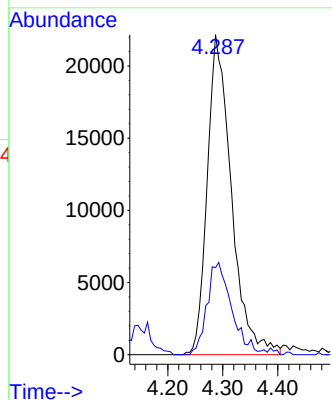
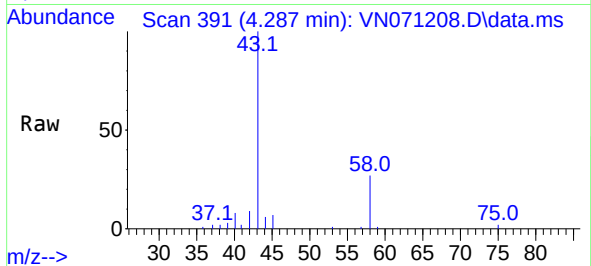




#16
Acetone
Concen: 12.095 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

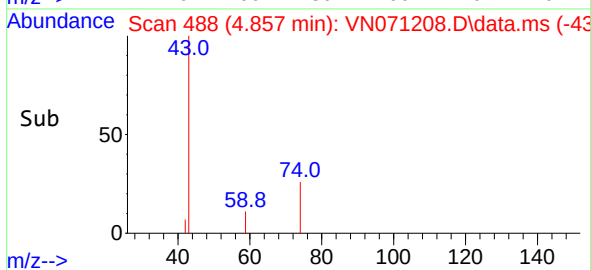
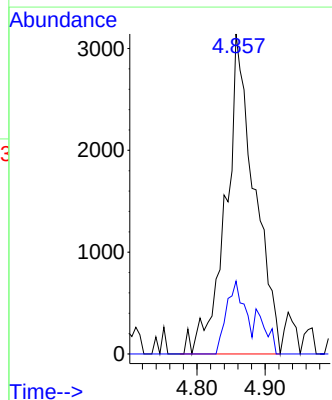
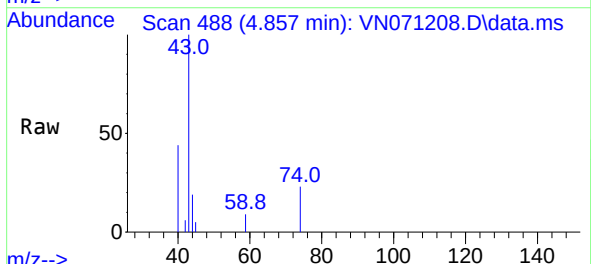
Instrument :
MSVOA_N
ClientSampleId :

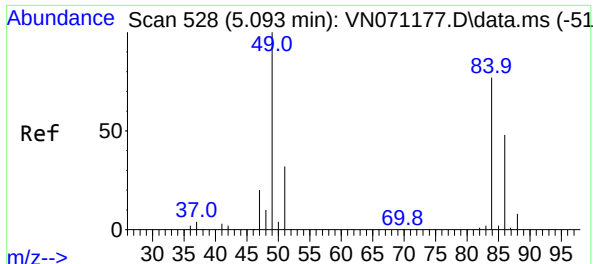
Tgt Ion: 43 Resp: 67495
Ion Ratio Lower Upper
43 100
58 27.2 23.1 34.7



#18
Methyl Acetate
Concen: 1.077 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

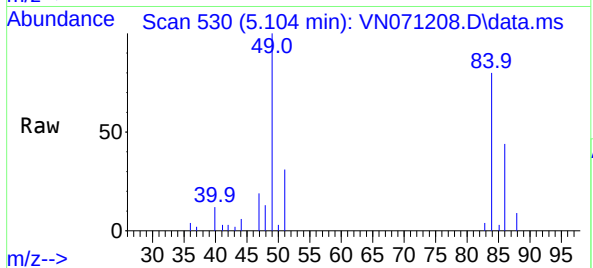
Tgt Ion: 43 Resp: 9182
Ion Ratio Lower Upper
43 100
74 14.7 19.4 29.2#





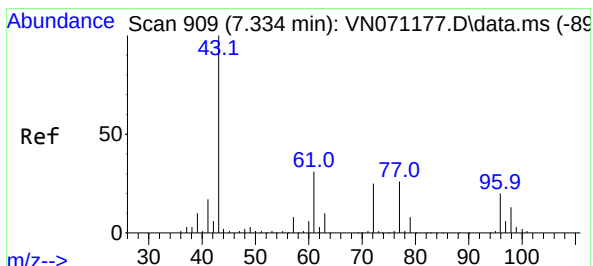
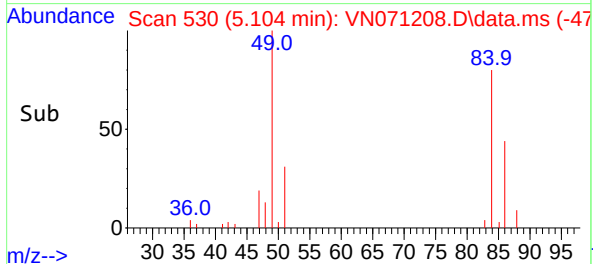
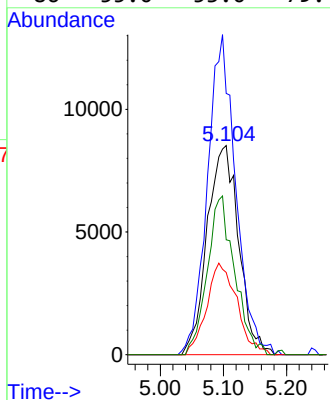
#20
Methylene Chloride
Concen: 3.254 ug/l
RT: 5.104 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 29519

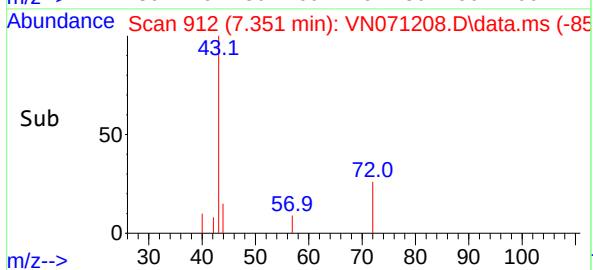
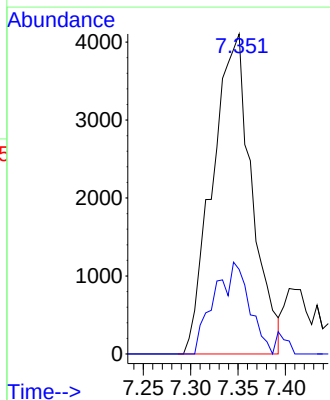
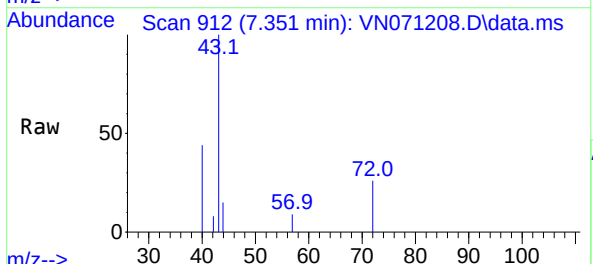
Ion	Ratio	Lower	Upper
84	100		
49	125.0	93.5	140.3
51	39.3	29.4	44.2
86	55.0	53.0	79.4

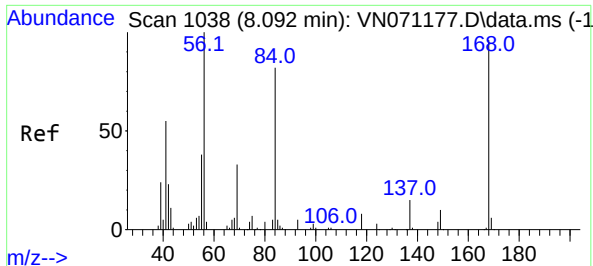


#25
2-Butanone
Concen: 1.317 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.018 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Tgt Ion: 43 Resp: 11841

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.7	32.5





#31

Cyclohexane

Concen: 0.991 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071208.D

Acq: 09 Mar 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

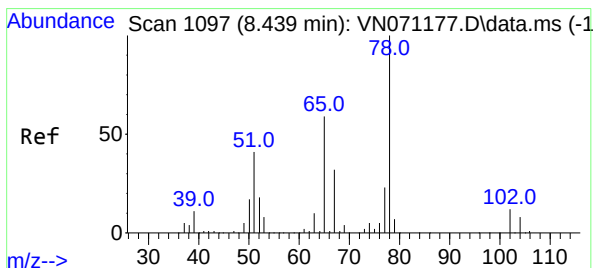
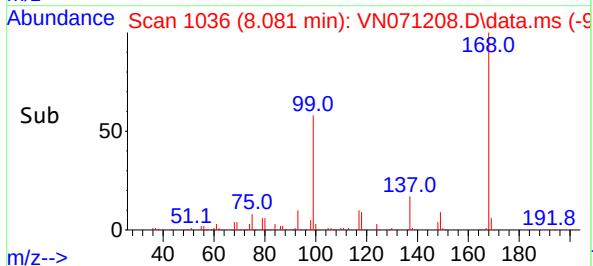
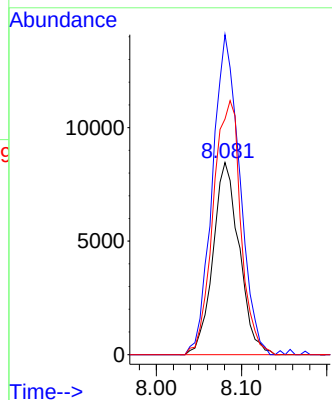
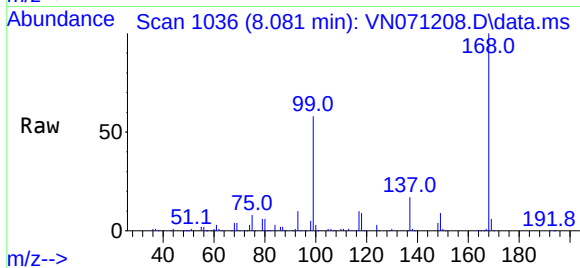
Tgt Ion: 56 Resp: 18149

Ion Ratio Lower Upper

56 100

69 166.5 27.1 40.7#

84 122.6 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 44.898 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071208.D

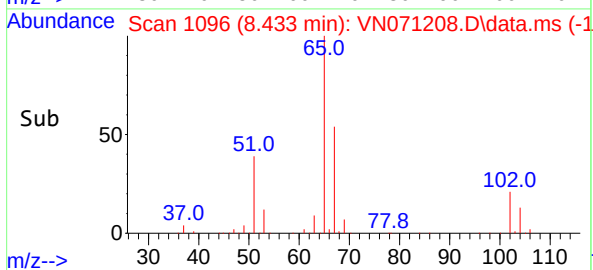
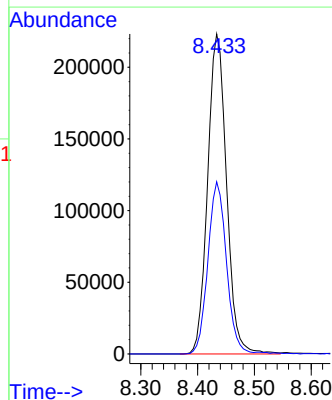
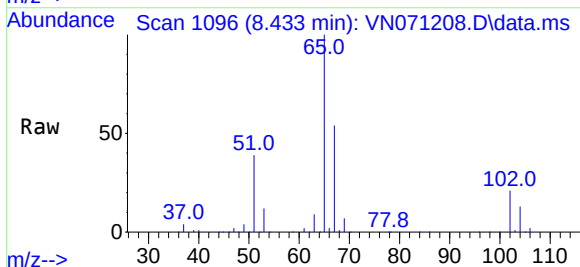
Acq: 09 Mar 2022 14:33

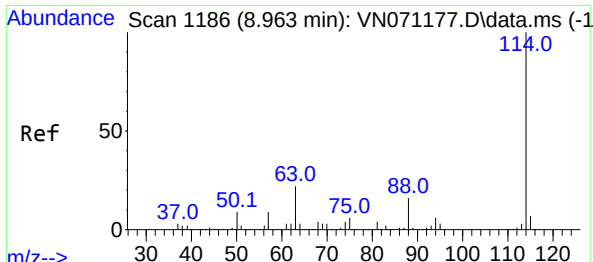
Tgt Ion: 65 Resp: 514923

Ion Ratio Lower Upper

65 100

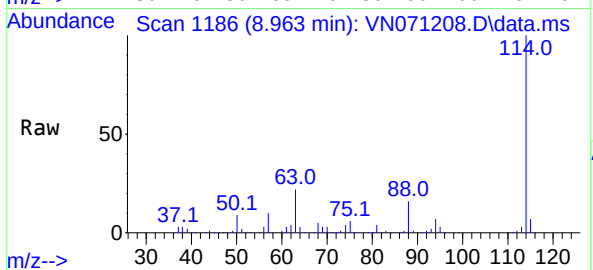
67 53.3 0.0 103.0



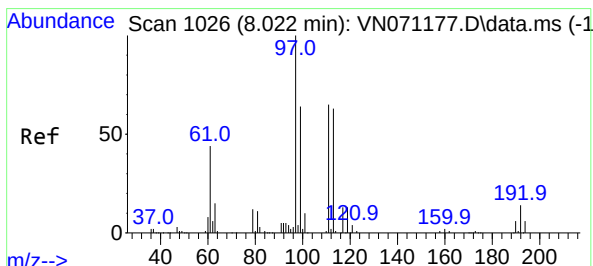
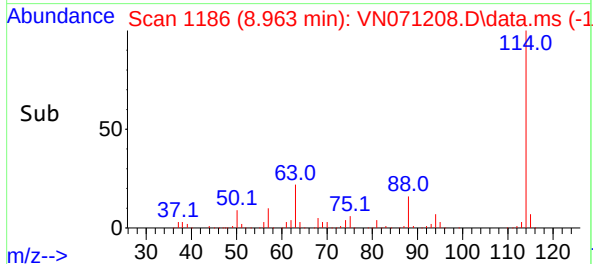
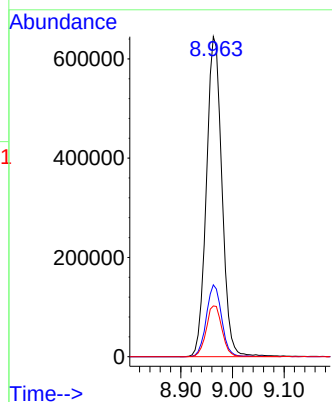


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :

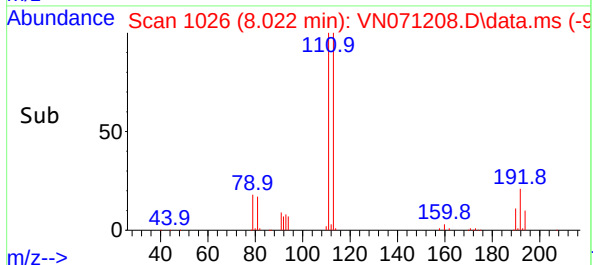
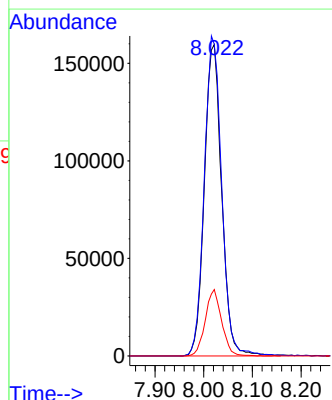
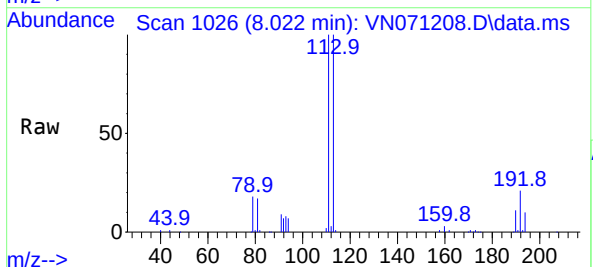


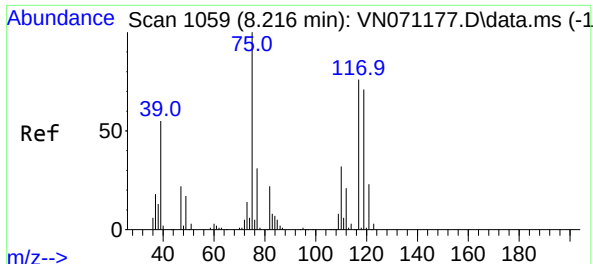
Tgt Ion:114 Resp: 1344120
Ion Ratio Lower Upper
114 100
63 22.5 0.0 37.8
88 15.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.457 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Tgt Ion:113 Resp: 394038
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 20.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.826 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071208.D

Acq: 09 Mar 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

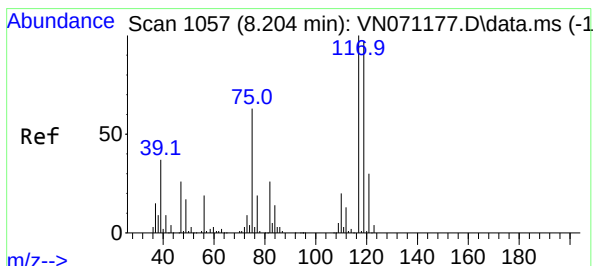
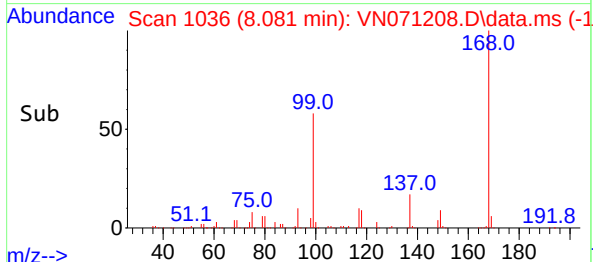
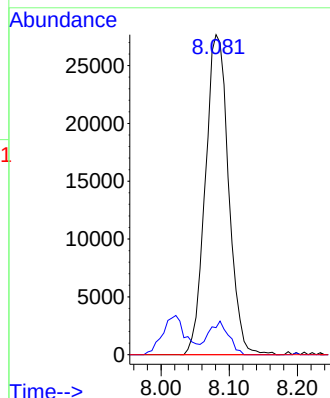
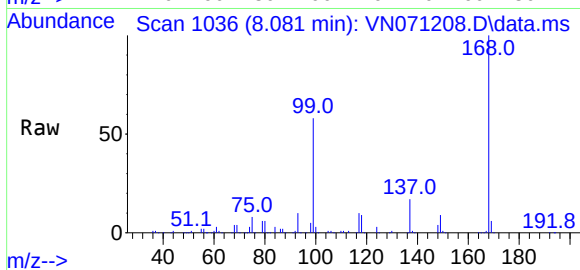
Tgt Ion: 75 Resp: 65588

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.050 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN071208.D

Acq: 09 Mar 2022 14:33

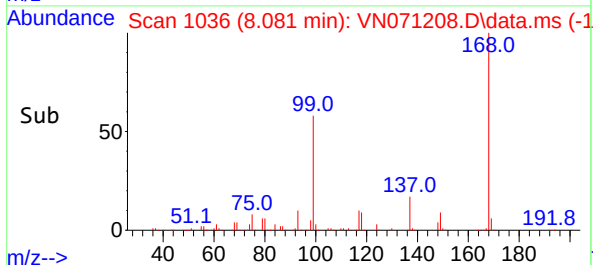
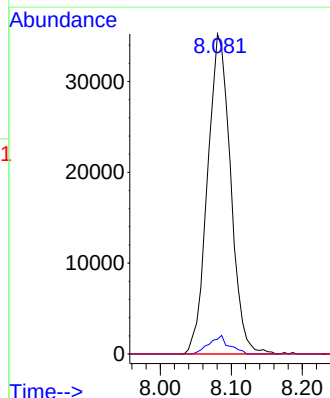
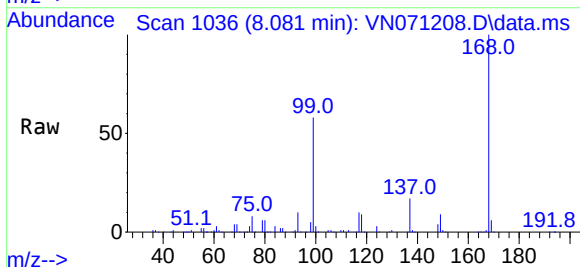
Tgt Ion: 117 Resp: 79521

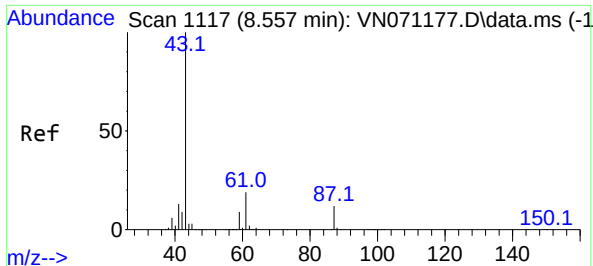
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.2 36.2#

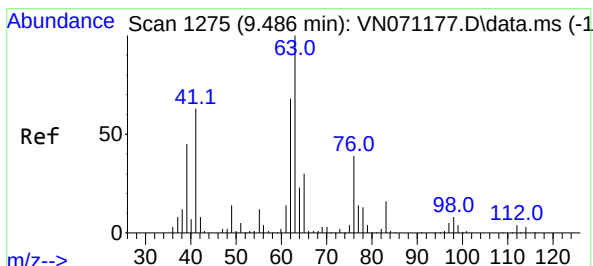
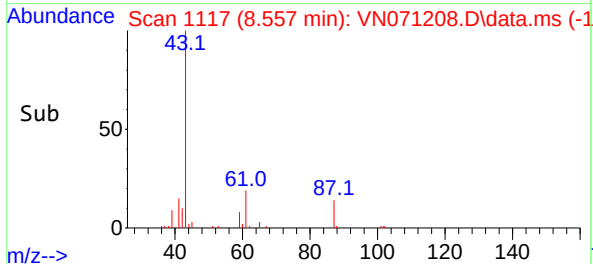
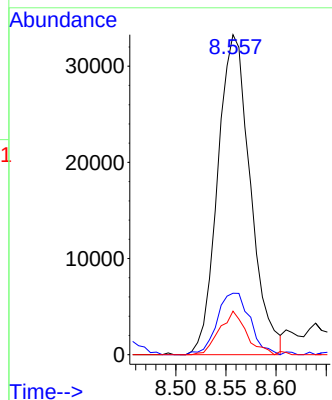
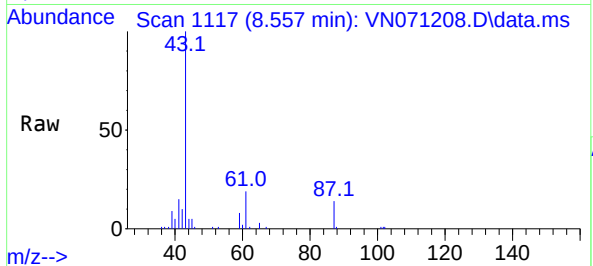




#43
Isopropyl Acetate
Concen: 2.695 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

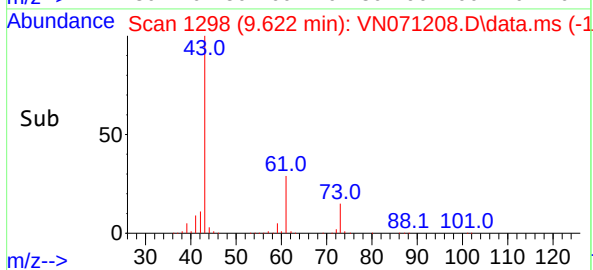
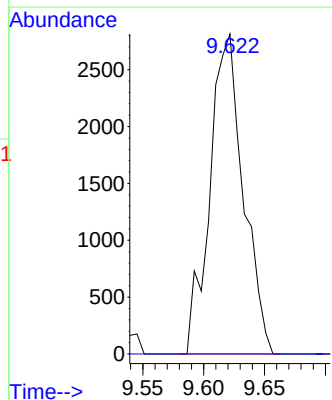
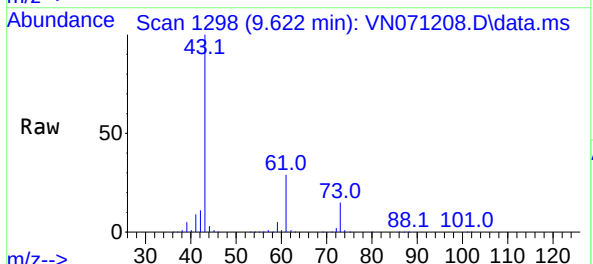
Instrument :
MSVOA_N
ClientSampleId :

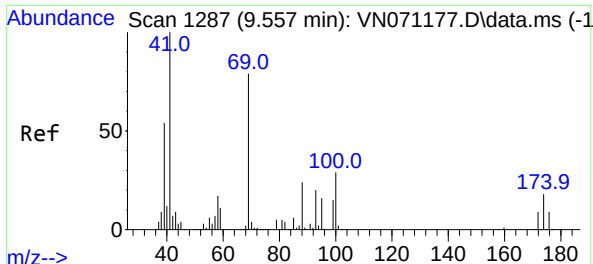
Tgt Ion: 43 Resp: 75381
Ion Ratio Lower Upper
43 100
61 19.3 20.4 30.6#
87 11.2 11.2 16.8



#45
1,2-Dichloropropane
Concen: 0.491 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Tgt Ion: 63 Resp: 5395
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 1.676 ug/l

RT: 9.539 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN071208.D

Acq: 09 Mar 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

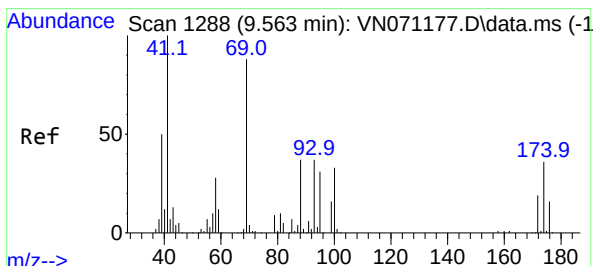
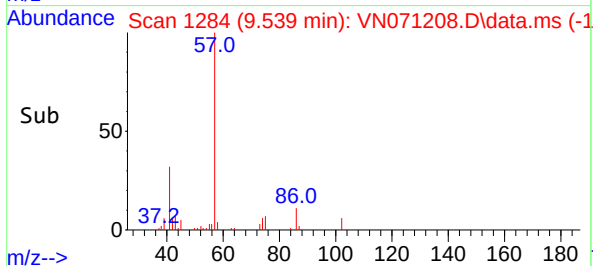
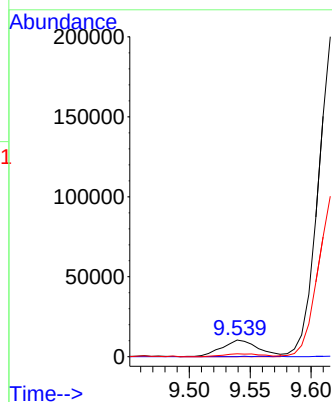
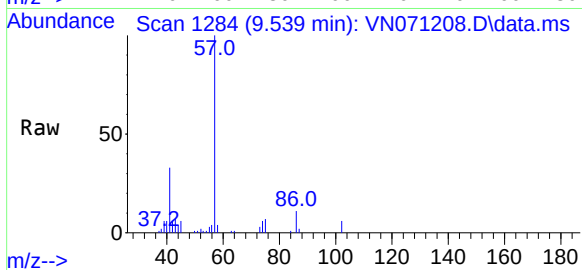
Tgt Ion: 41 Resp: 21718

Ion Ratio Lower Upper

41 100

69 1.6 72.4 108.6#

39 0.0 58.4 87.6#



#49

1,4-Dioxane

Concen: 0.550 ug/l

RT: 9.575 min Scan# 1290

Delta R.T. 0.012 min

Lab File: VN071208.D

Acq: 09 Mar 2022 14:33

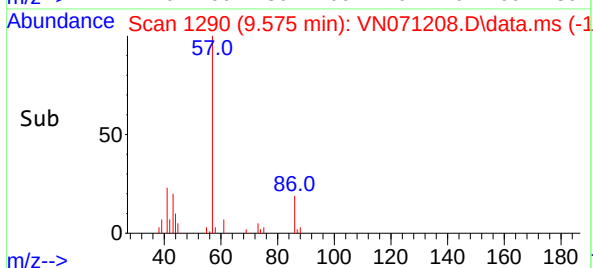
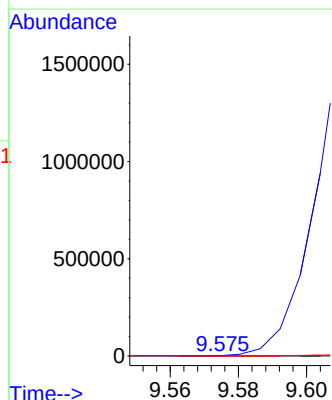
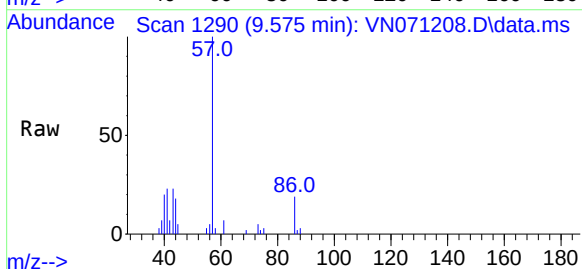
Tgt Ion: 88 Resp: 124

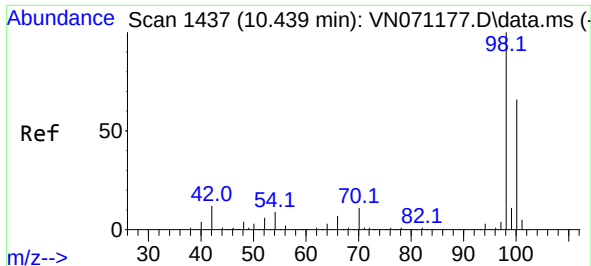
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#

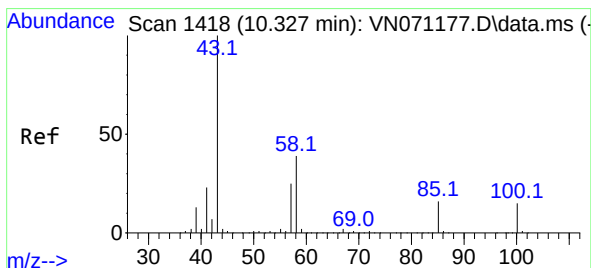
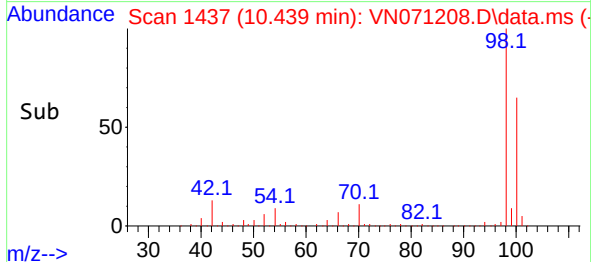
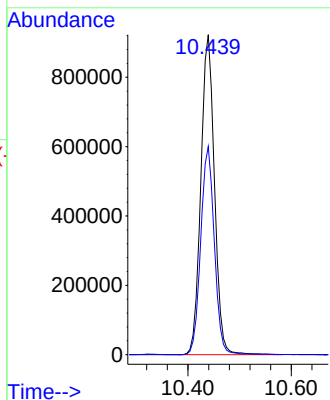
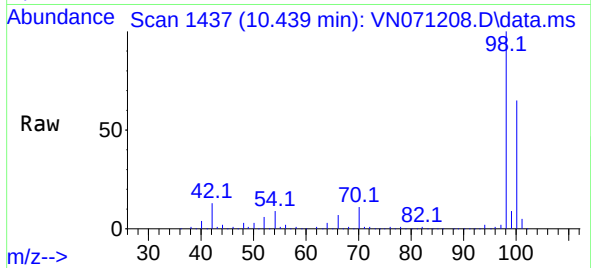




#50
Toluene-d8
Concen: 49.352 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

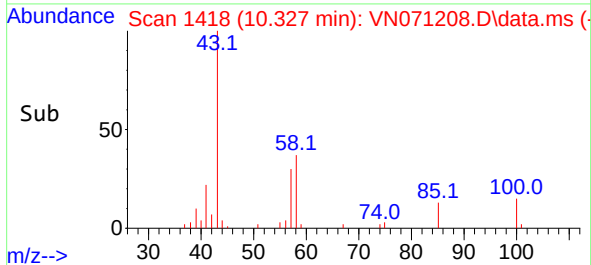
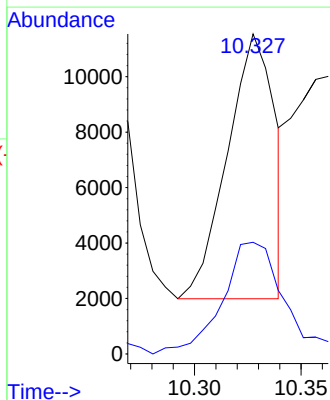
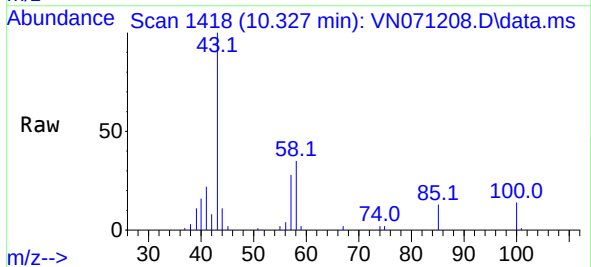
Instrument :
MSVOA_N
ClientSampleId :

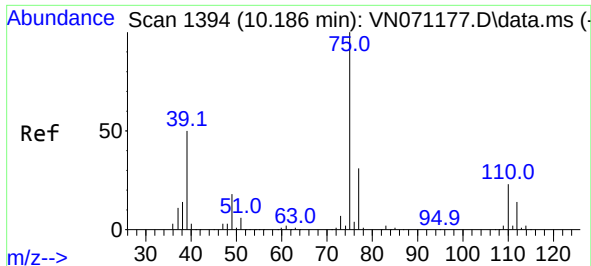
Tgt Ion: 98 Resp: 1685383
Ion Ratio Lower Upper
98 100
100 64.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.856 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Tgt Ion: 43 Resp: 14862
Ion Ratio Lower Upper
43 100
58 54.6 30.4 45.6#

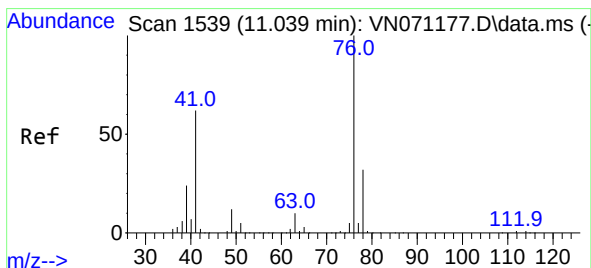
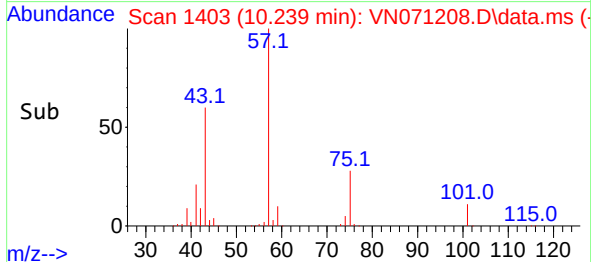
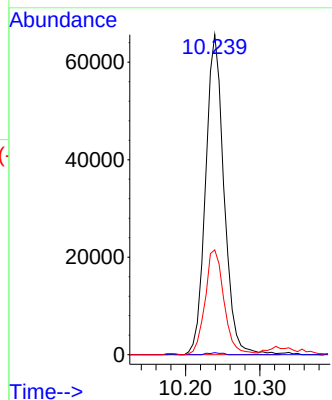
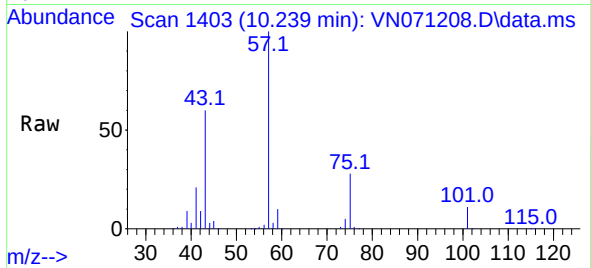




#54
 cis-1,3-Dichloropropene
 Concen: 6.894 ug/l
 RT: 10.239 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN071208.D
 Acq: 09 Mar 2022 14:33

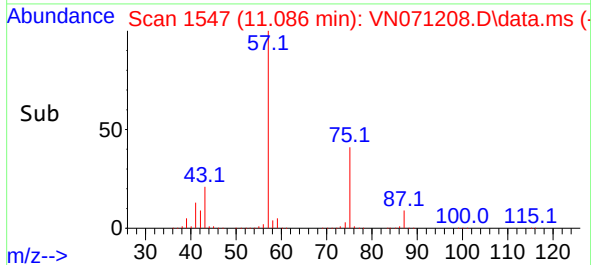
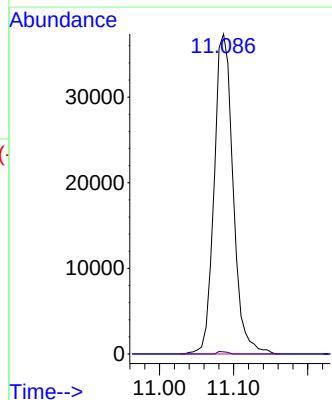
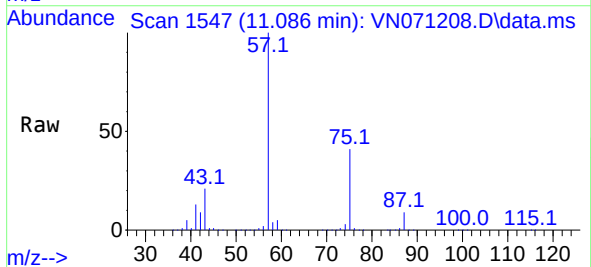
Instrument :
 MSVOA_N
 ClientSampleId :

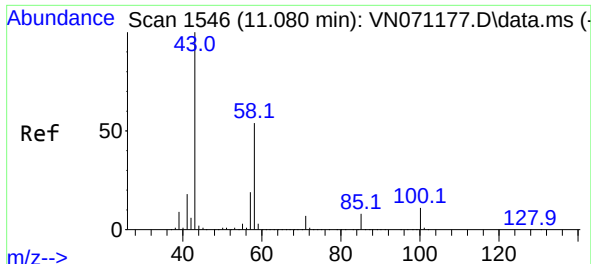
Tgt Ion: 75 Resp: 113530
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.4 39.6#
 39 32.8 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 3.658 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071208.D
 Acq: 09 Mar 2022 14:33

Tgt Ion: 76 Resp: 66344
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#

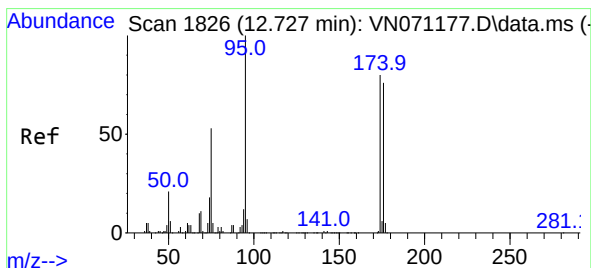
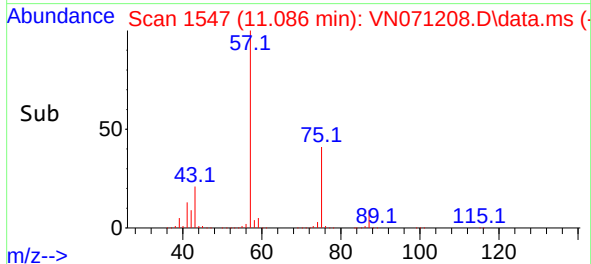
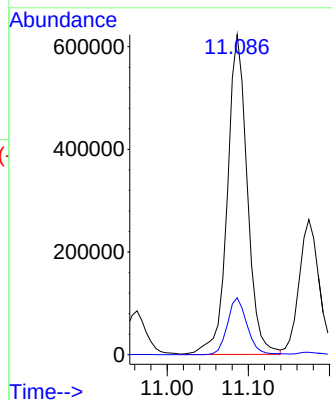
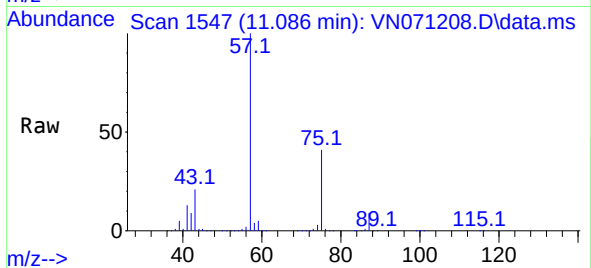




#59
2-Hexanone
Concen: 89.622 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

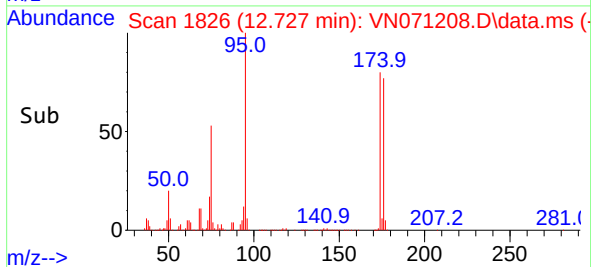
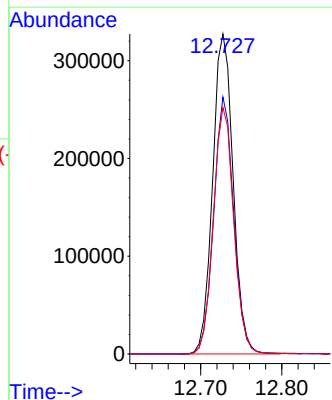
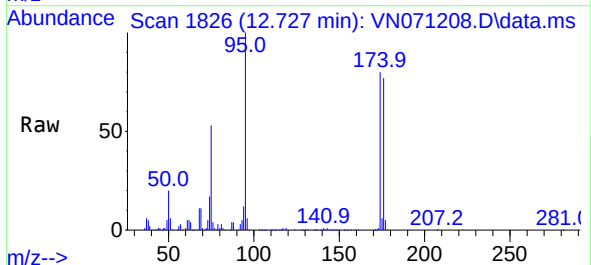
Instrument :
MSVOA_N
ClientSampleId :

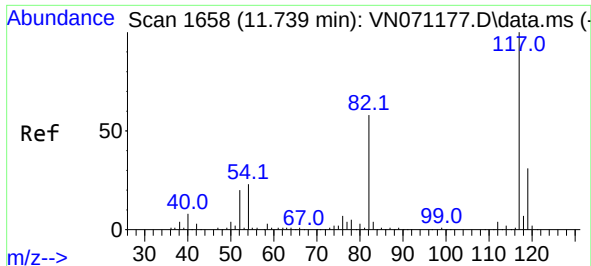
Tgt Ion: 43 Resp: 1061404
Ion Ratio Lower Upper
43 100
58 17.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.593 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Tgt Ion: 95 Resp: 573499
Ion Ratio Lower Upper
95 100
174 78.7 0.0 187.2
176 76.9 0.0 181.4

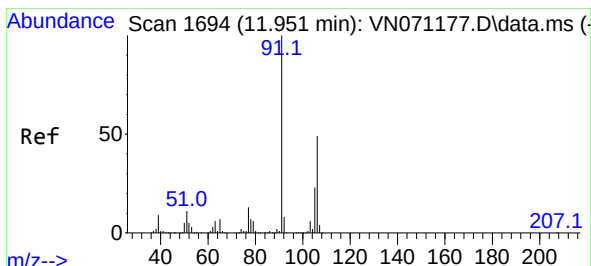
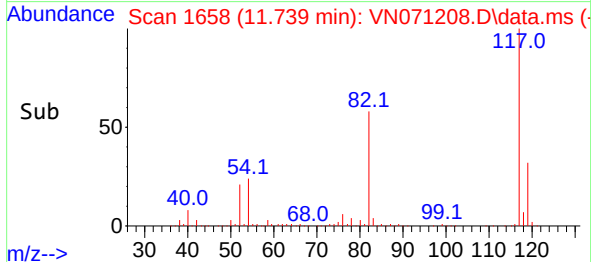
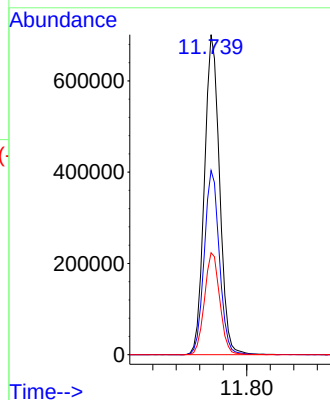
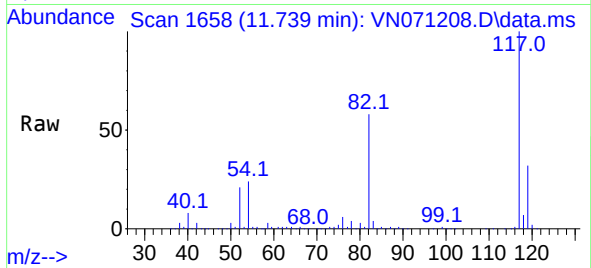




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

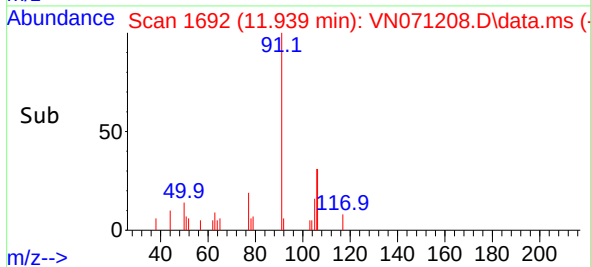
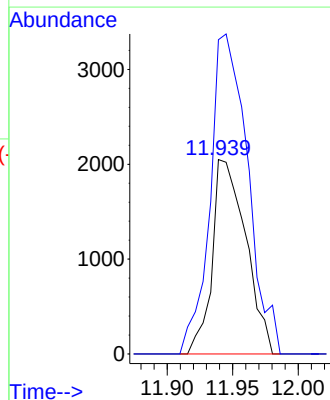
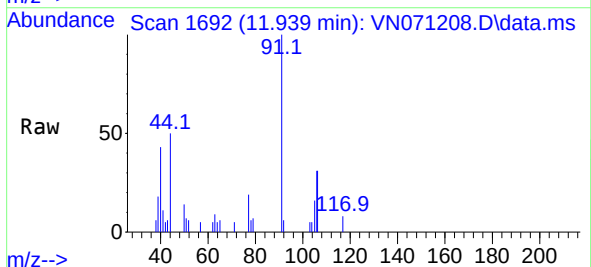
Instrument :
MSVOA_N
ClientSampleId :

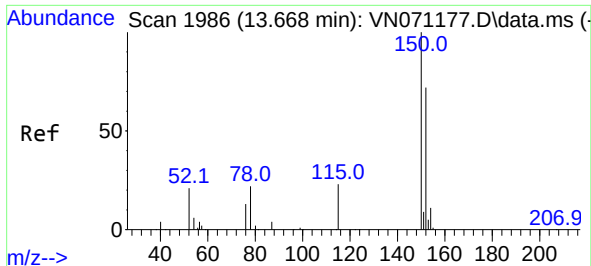
Tgt Ion:117 Resp: 1254349
Ion Ratio Lower Upper
117 100
82 57.5 42.4 63.6
119 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 0.209 ug/l
RT: 11.939 min Scan# 1692
Delta R.T. -0.012 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Tgt Ion:106 Resp: 3650
Ion Ratio Lower Upper
106 100
91 184.3 160.6 240.8

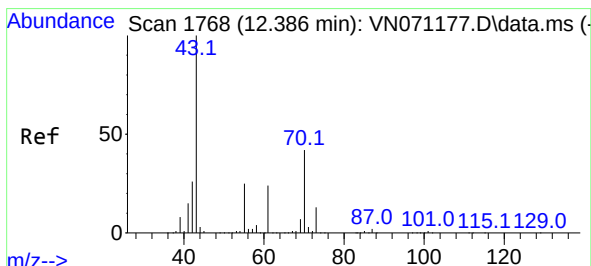
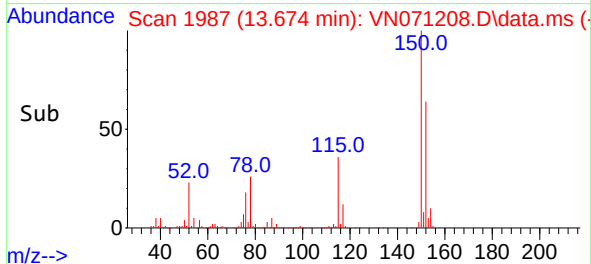
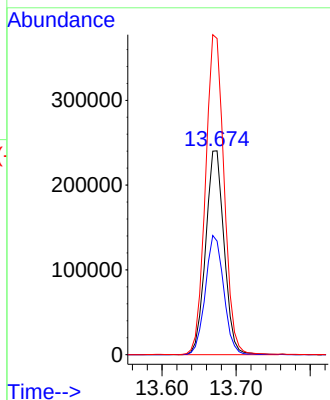
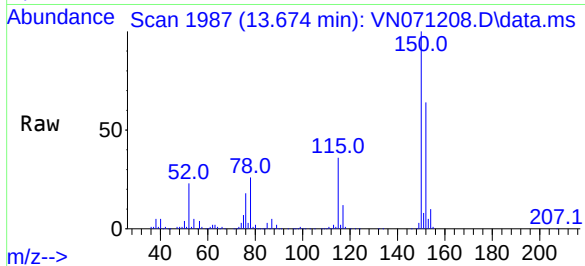




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

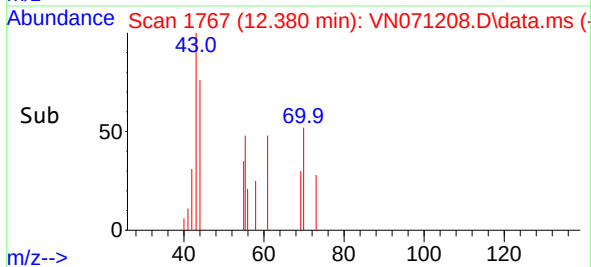
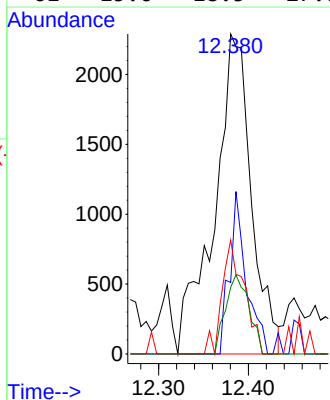
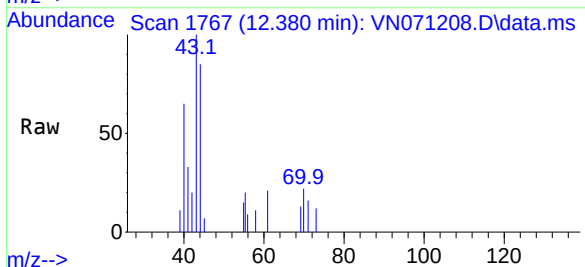
Instrument :
MSVOA_N
ClientSampleId :

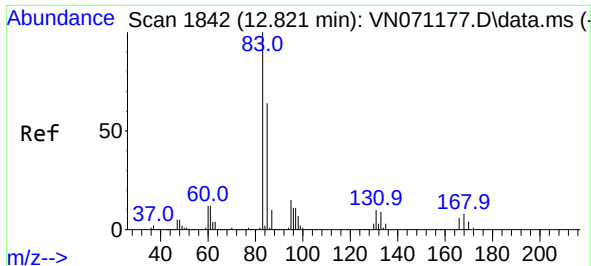
Tgt Ion:152 Resp: 415600
Ion Ratio Lower Upper
152 100
115 58.5 27.5 82.5
150 158.3 0.0 344.4



#74
N-ethyl acetate
Concen: 0.436 ug/l
RT: 12.380 min Scan# 1767
Delta R.T. -0.006 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Tgt Ion: 43 Resp: 6567
Ion Ratio Lower Upper
43 100
70 22.9 33.4 50.0#
55 21.2 19.3 28.9
61 15.6 18.5 27.7#

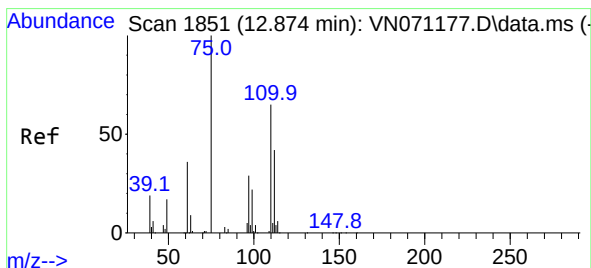
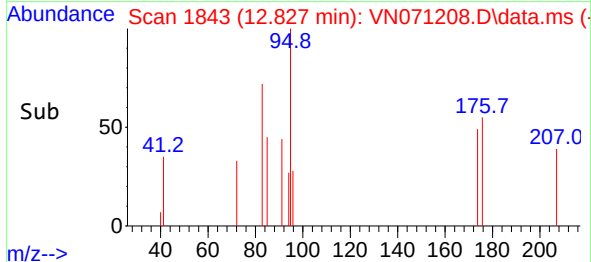
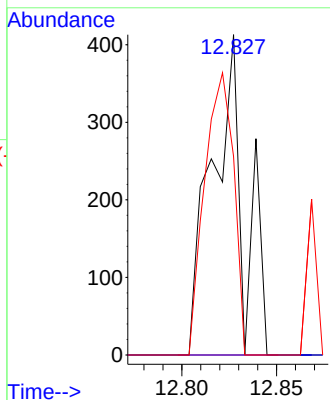
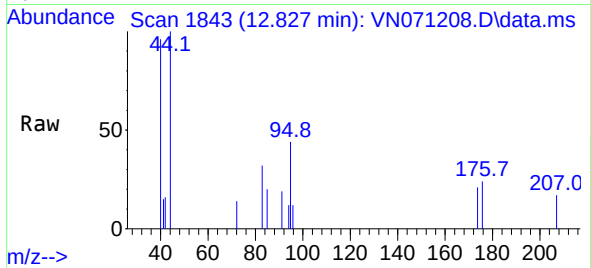




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

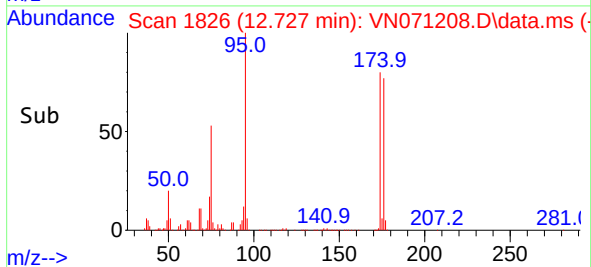
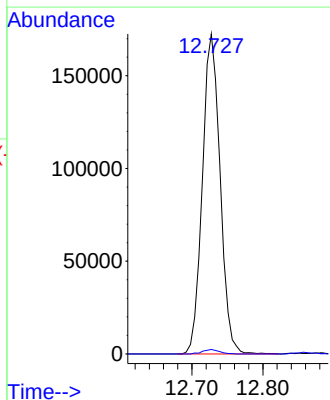
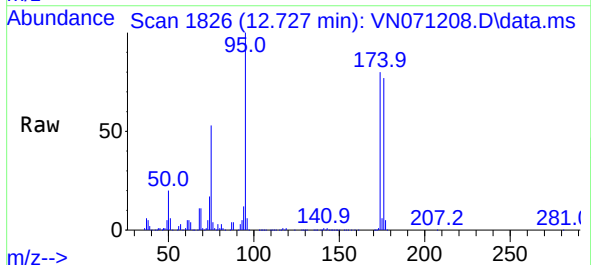
Instrument :
MSVOA_N
ClientSampleId :

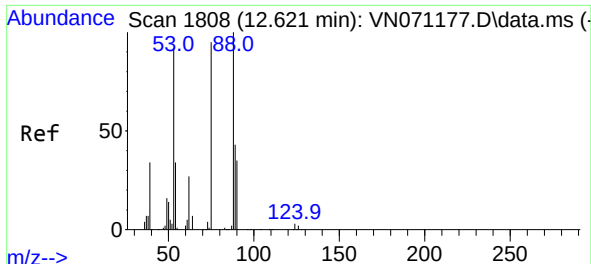
Tgt Ion: 83 Resp: 489
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 79.1 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 28.591 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

Tgt Ion: 75 Resp: 300167
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

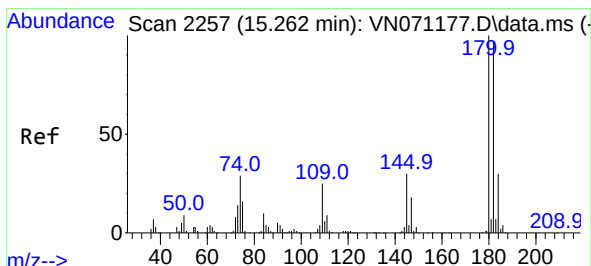
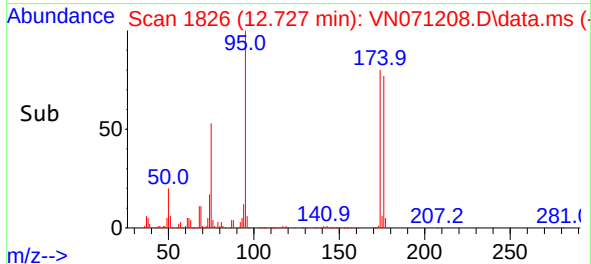
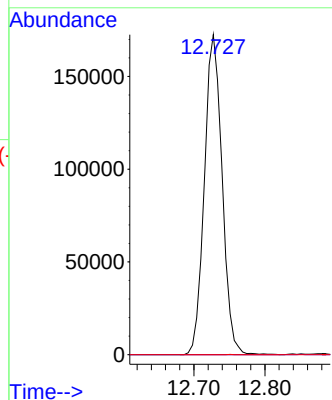
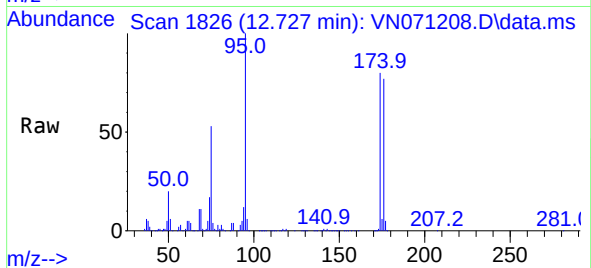




#81
trans-1,4-Dichloro-2-butene
Concen: 78.075 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

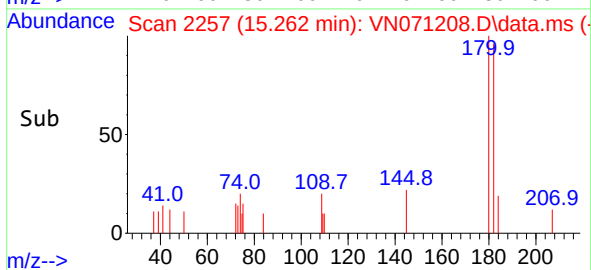
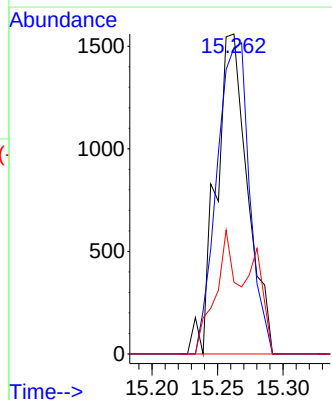
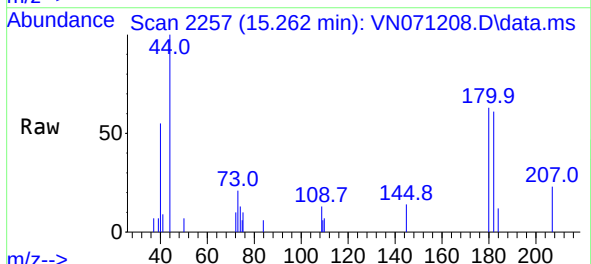
Instrument :
MSVOA_N
ClientSampleId :

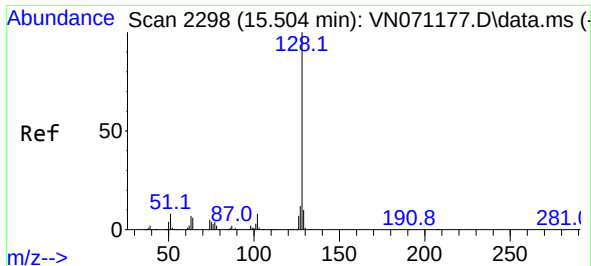
Tgt Ion: 75 Resp: 300167
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.350 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

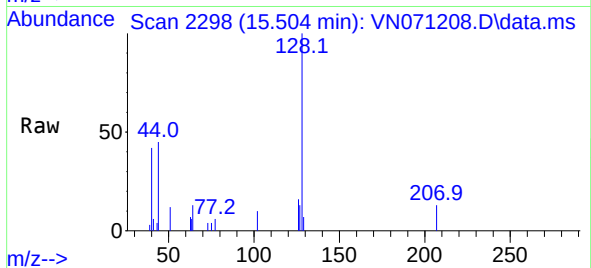
Tgt Ion:180 Resp: 2612
Ion Ratio Lower Upper
180 100
182 100.3 48.3 144.9
145 26.9 14.5 43.5



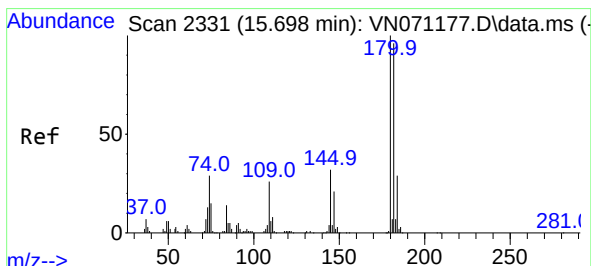
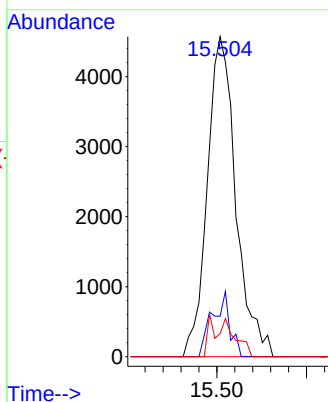
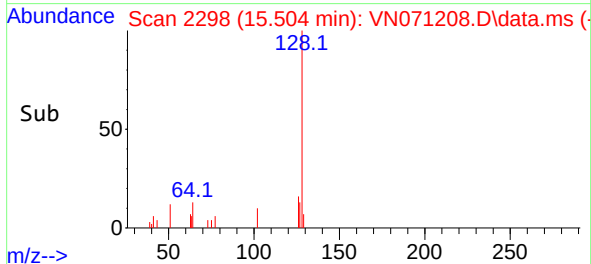


#95
Naphthalene
Concen: 5.544 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33

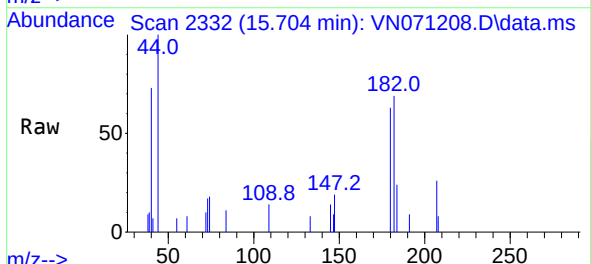
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 10108
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 4.2 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.151 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.006 min
Lab File: VN071208.D
Acq: 09 Mar 2022 14:33



Tgt Ion:180 Resp: 2890
Ion Ratio Lower Upper
180 100
182 107.8 47.4 142.2
145 33.1 15.0 45.1

