

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071223.D
 Acq On : 10 Mar 2022 09:46
 Operator : JC\MD
 Sample : N1835-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 11 00:30:38 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)

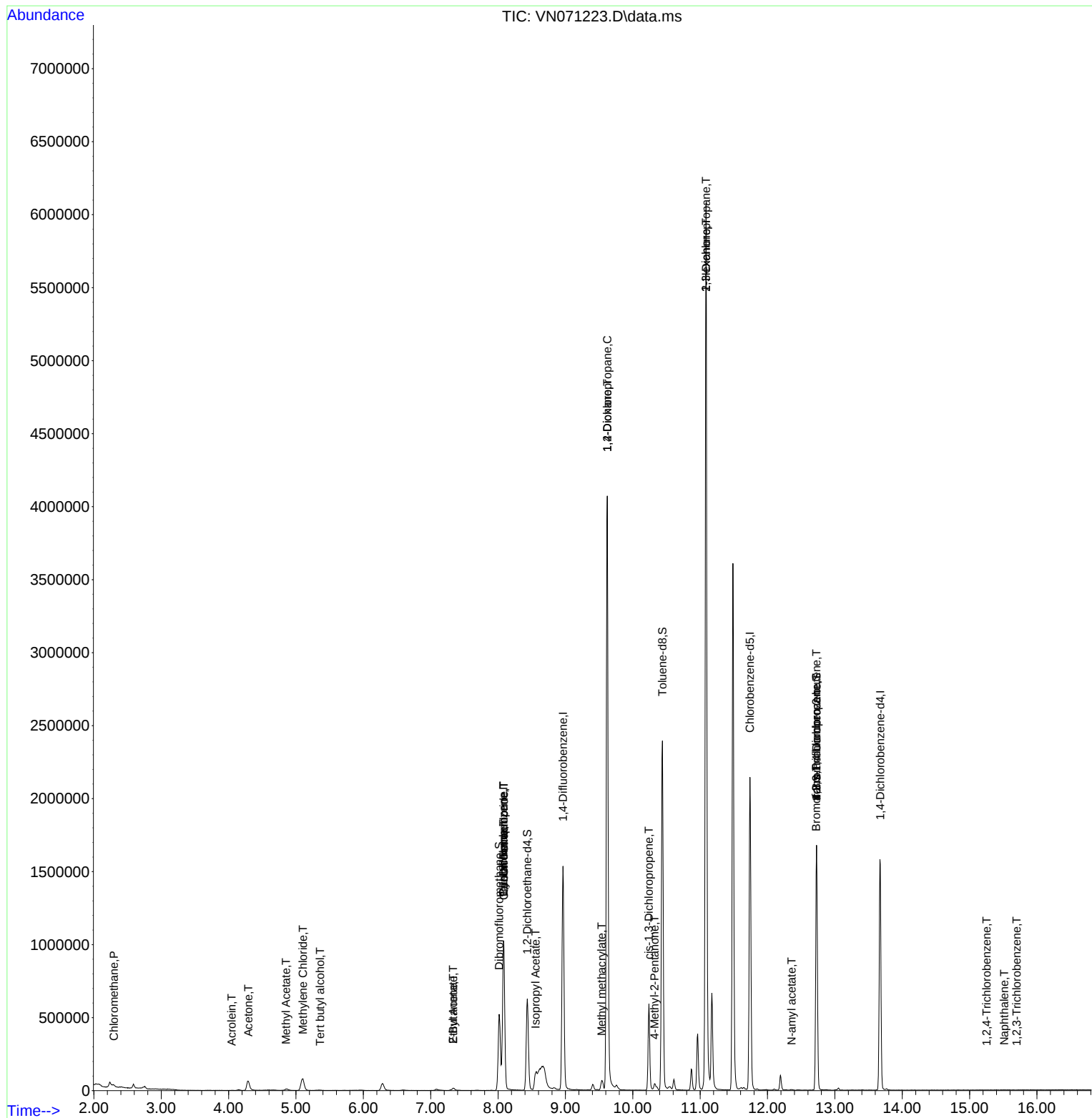
Internal Standards						
1) Pentafluorobenzene	8.080	168	792061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1330516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1239723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	448386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	519948	47.897	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.800%
35) Dibromofluoromethane	8.016	113	388386	46.258	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.520%
50) Toluene-d8	10.439	98	1640718	48.535	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.727	95	598893	52.318	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.640%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2982	0.221	ug/l	99
5) Bromomethane	2.857	94	557	Below Cal	#	79
11) Tert butyl alcohol	5.357	59	5403	2.534	ug/l	# 74
13) Acrolein	4.045	56	1079	0.478	ug/l	99
16) Acetone	4.293	43	129710	24.557	ug/l	98
18) Methyl Acetate	4.851	43	23505	2.111	ug/l	94
20) Methylene Chloride	5.104	84	66309	7.198	ug/l	90
25) 2-Butanone	7.333	43	28355	3.333	ug/l	# 84
31) Cyclohexane	8.080	56	15994	0.923	ug/l	# 1
36) 1,1-Dichloropropene	8.080	75	61270	4.555	ug/l	# 49
37) Ethyl Acetate	7.333	43	28355	1.532	ug/l	# 69
38) Carbon Tetrachloride	8.086	117	78308	6.018	ug/l	# 17
43) Isopropyl Acetate	8.557	43	153082	5.529	ug/l	# 73
45) 1,2-Dichloropropane	9.622	63	5496	0.505	ug/l	# 44
48) Methyl methacrylate	9.539	41	19249	1.500	ug/l	# 8
49) 1,4-Dioxane	9.622	88	531	2.381	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.322	43	47281	2.752	ug/l	# 79
54) cis-1,3-Dichloropropene	10.239	75	100572	6.170	ug/l	# 61
57) 1,3-Dichloropropane	11.086	76	61828	3.444	ug/l	# 43
59) 2-Hexanone	11.086	43	992629	84.672	ug/l	# 49
71) Bromoform	12.721	173	1758	0.237	ug/l	# 1
74) N-amyl acetate	12.357	43	4604	0.283	ug/l	# 46
75) 1,1,2,2-Tetrachloroethane	12.721	83	463	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	308812	27.125	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	308812	74.450	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.251	180	168	3.011	ug/l	# 12
95) Naphthalene	15.515	128	1283	5.124	ug/l	# 75
96) 1,2,3-Trichlorobenzene	15.698	180	62	2.740	ug/l	# 65

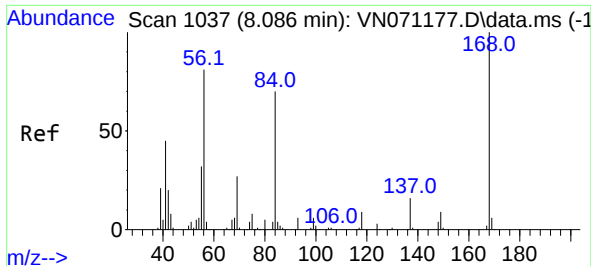
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
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Quant Time: Mar 11 00:30:38 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

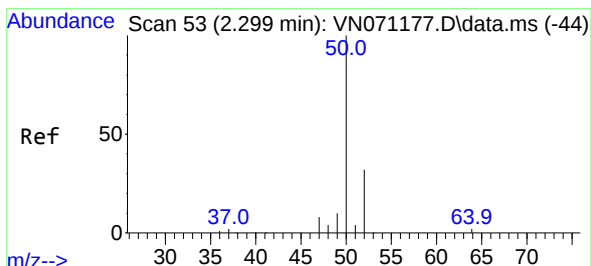
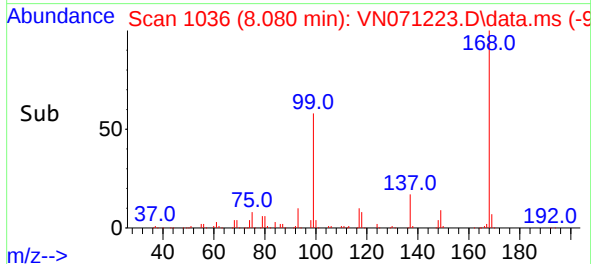
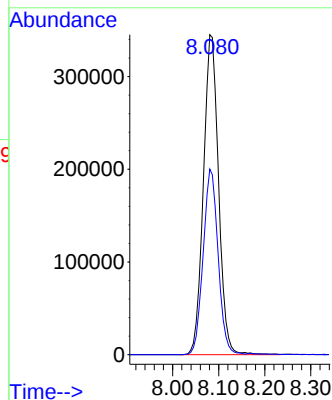
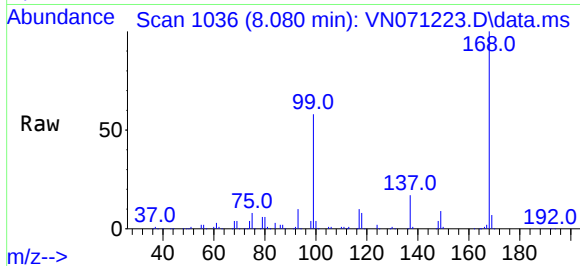




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

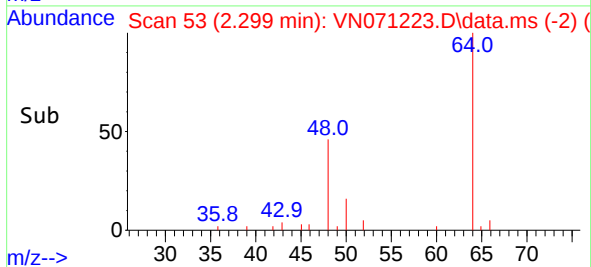
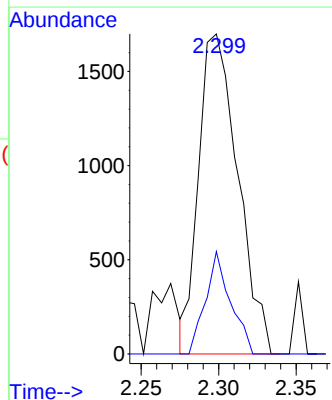
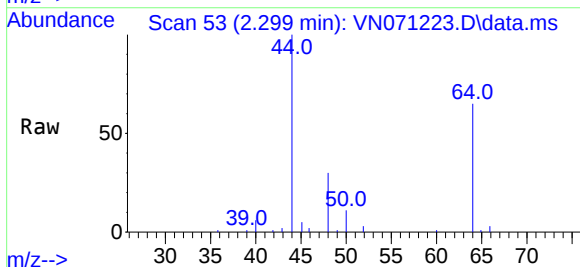
Instrument :
MSVOA_N
ClientSampleId :

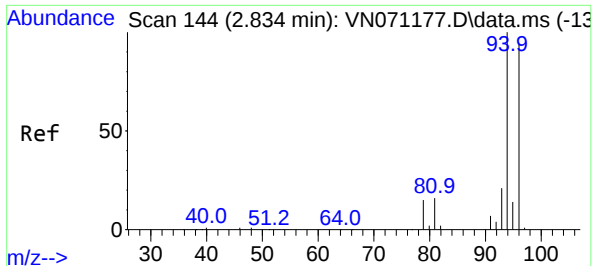
Tgt Ion:168 Resp: 792061
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Tgt Ion: 50 Resp: 2982
Ion Ratio Lower Upper
50 100
52 32.0 25.4 38.0

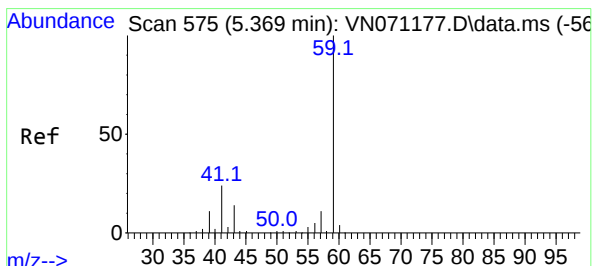
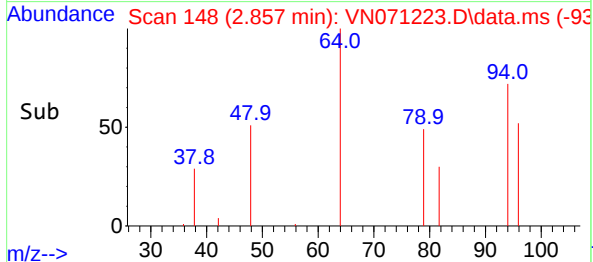
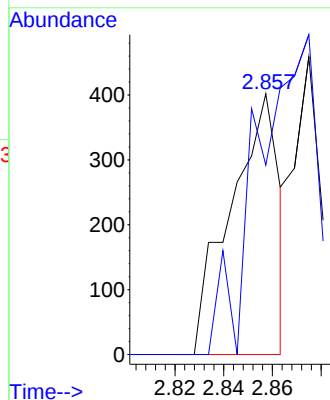
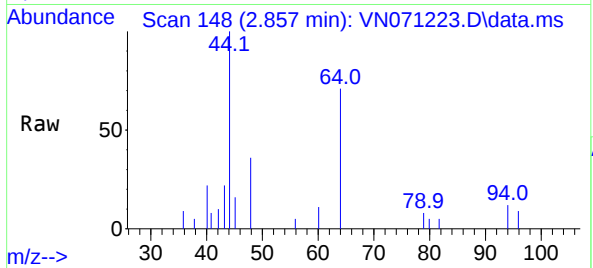




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 14
Delta R.T. 0.023 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

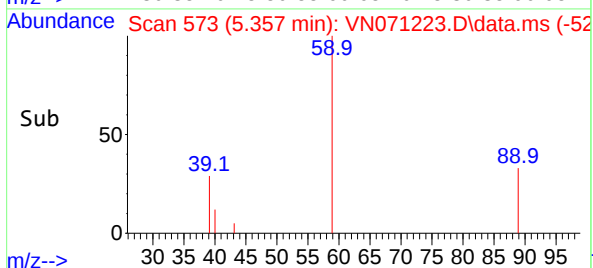
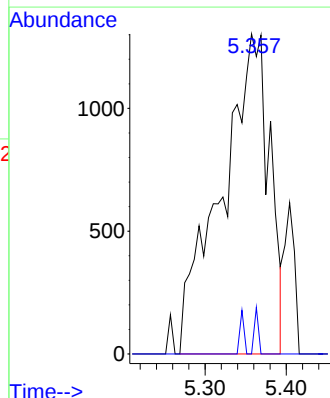
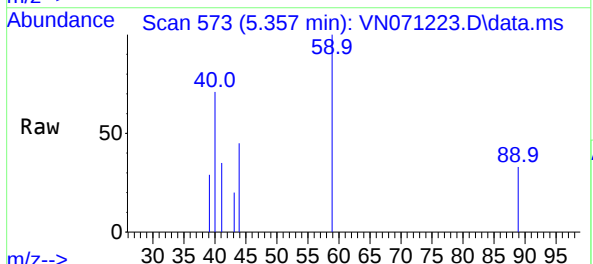
Instrument :
MSVOA_N
ClientSampleId :

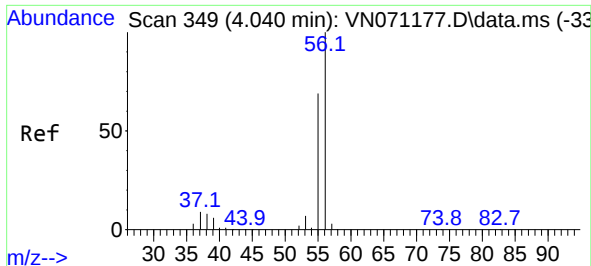
Tgt Ion: 94 Resp: 557
Ion Ratio Lower Upper
94 100
96 72.6 73.8 110.8#



#11
Tert butyl alcohol
Concen: 2.534 ug/l
RT: 5.357 min Scan# 573
Delta R.T. -0.012 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

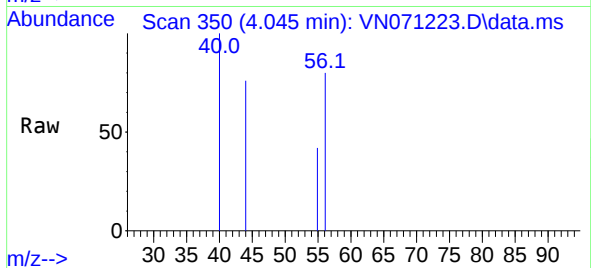
Tgt Ion: 59 Resp: 5403
Ion Ratio Lower Upper
59 100
57 1.2 8.7 13.1#



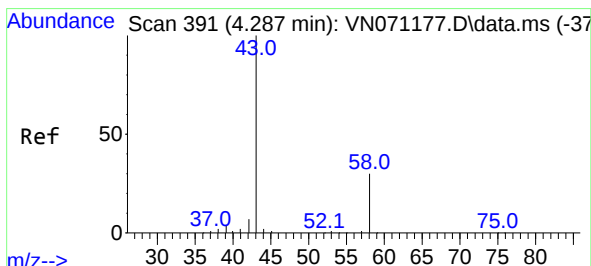
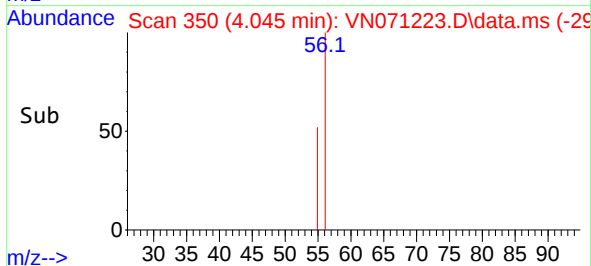
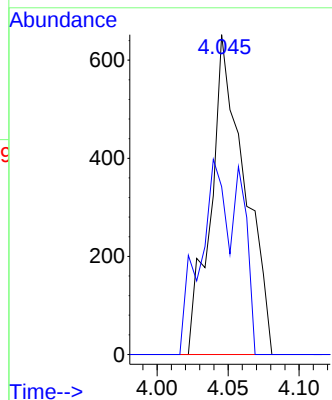


#13
Acrolein
Concen: 0.478 ug/l
RT: 4.045 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Instrument :
MSVOA_N
ClientSampleId :

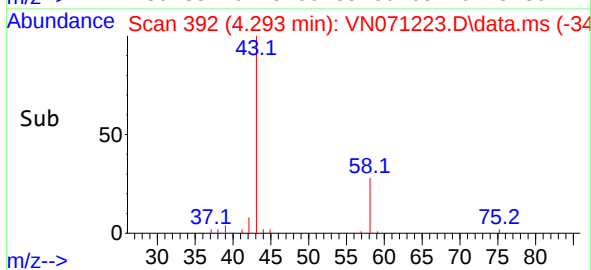
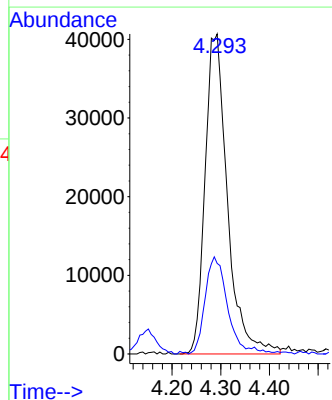
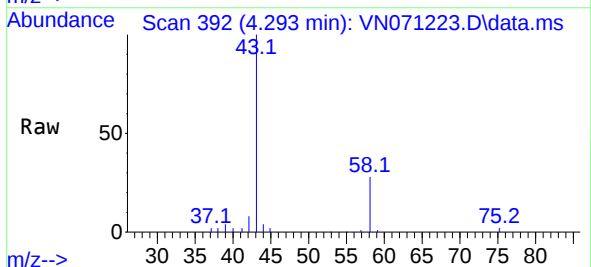


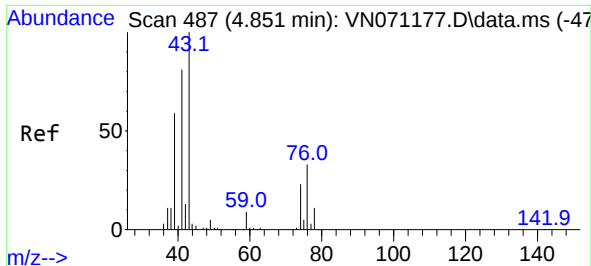
Tgt Ion: 56 Resp: 1079
Ion Ratio Lower Upper
56 100
55 71.3 56.6 85.0



#16
Acetone
Concen: 24.557 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

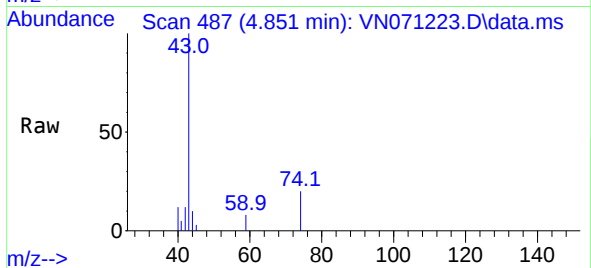
Tgt Ion: 43 Resp: 129710
Ion Ratio Lower Upper
43 100
58 27.8 23.1 34.7



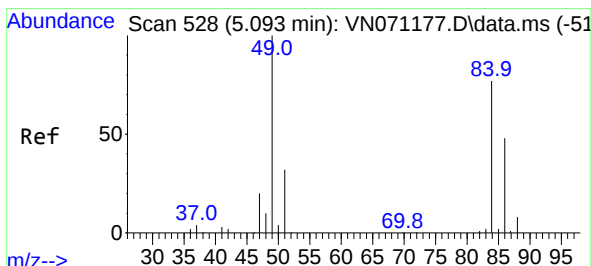
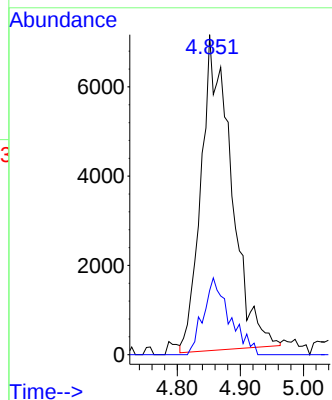
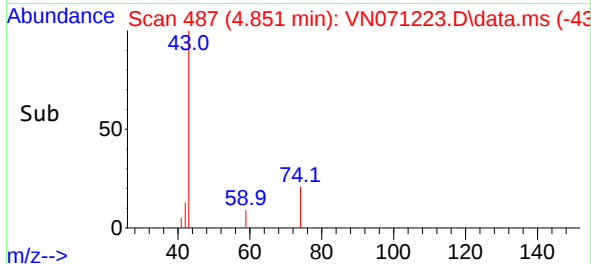


#18
Methyl Acetate
Concen: 2.111 ug/l
RT: 4.851 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

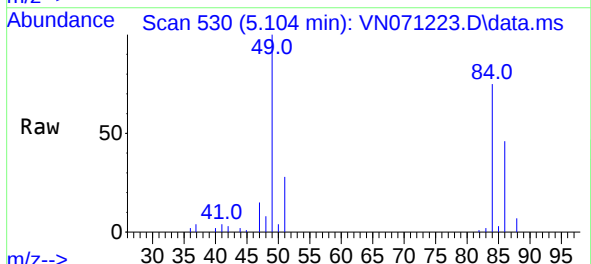
Instrument :
MSVOA_N
ClientSampleId :



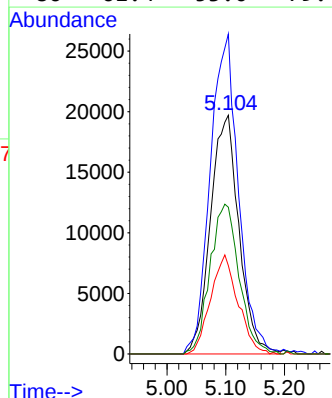
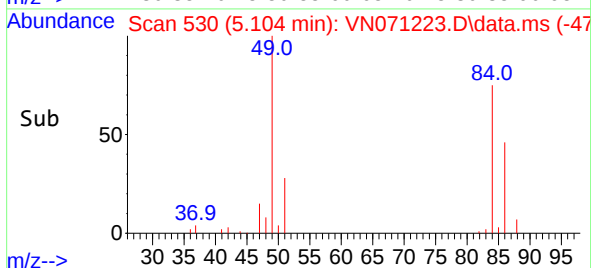
Tgt Ion: 43 Resp: 23505
Ion Ratio Lower Upper
43 100
74 21.1 19.4 29.2

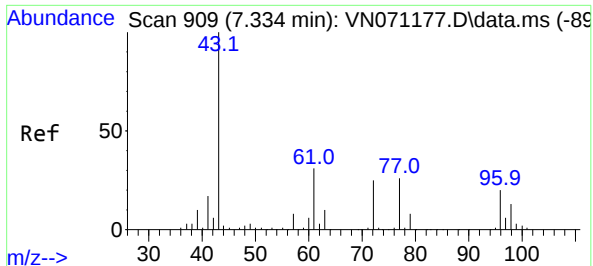


#20
Methylene Chloride
Concen: 7.198 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.011 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46



Tgt Ion: 84 Resp: 66309
Ion Ratio Lower Upper
84 100
49 134.0 93.5 140.3
51 37.0 29.4 44.2
86 61.4 53.0 79.4





#25

2-Butanone

Concen: 3.333 ug/l

RT: 7.333 min Scan# 909

Delta R.T. -0.000 min

Lab File: VN071223.D

Acq: 10 Mar 2022 09:46

Instrument :

MSVOA_N

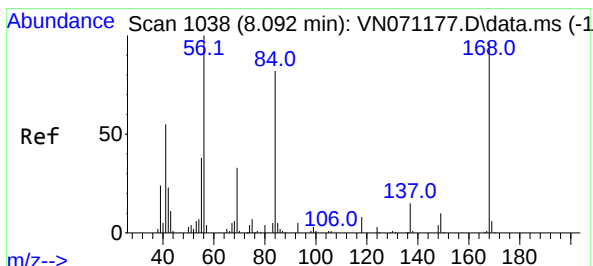
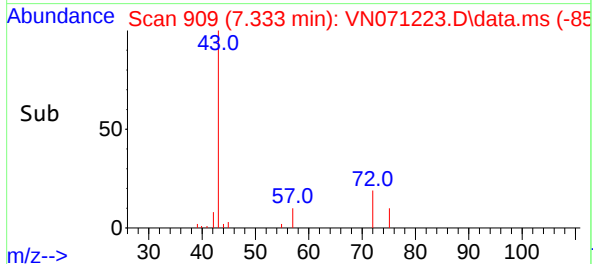
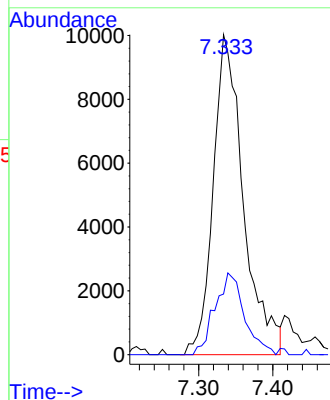
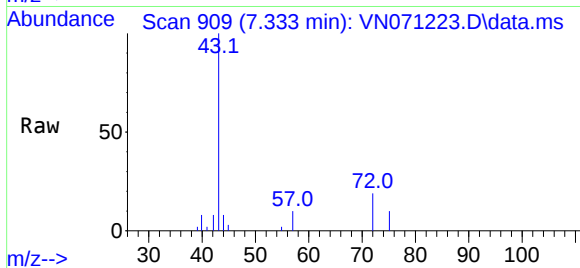
ClientSampleId :

Tgt Ion: 43 Resp: 28355

Ion Ratio Lower Upper

43 100

72 19.0 21.7 32.5#



#31

Cyclohexane

Concen: 0.923 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071223.D

Acq: 10 Mar 2022 09:46

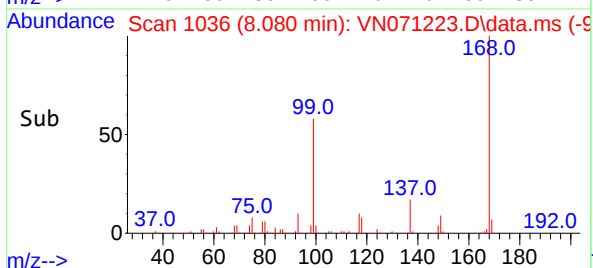
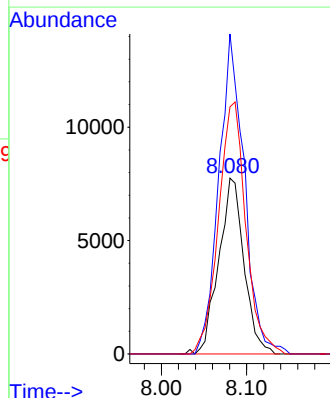
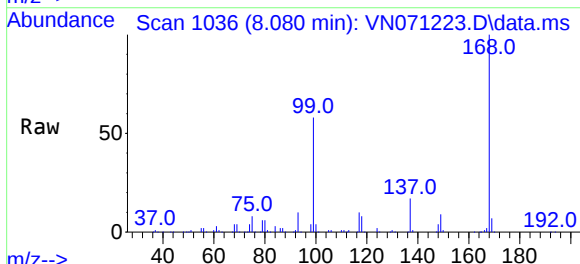
Tgt Ion: 56 Resp: 15994

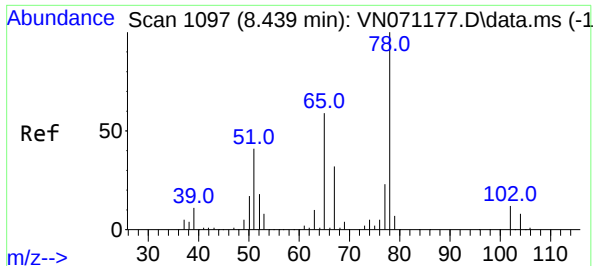
Ion Ratio Lower Upper

56 100

69 181.9 27.1 40.7#

84 140.5 73.4 110.0#

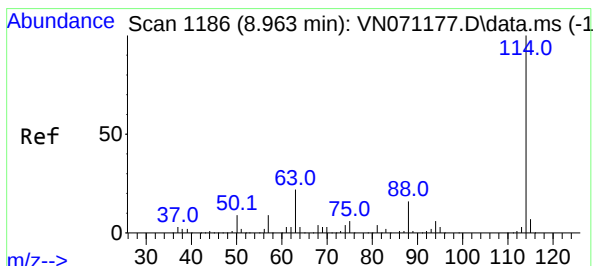
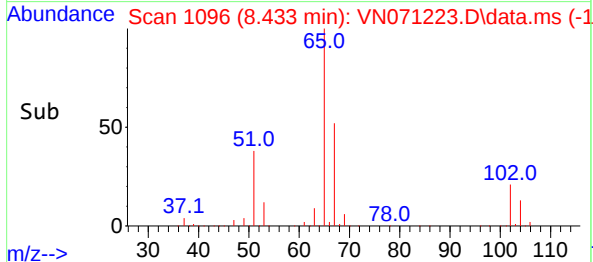
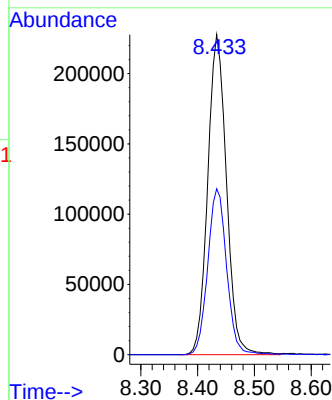
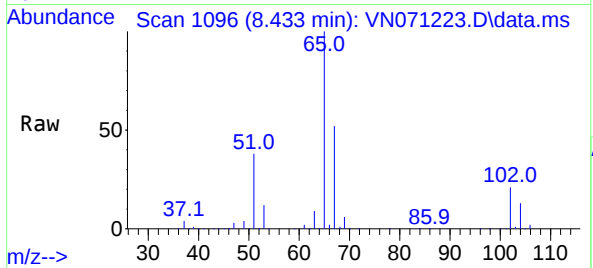




#33
1,2-Dichloroethane-d4
Concen: 47.897 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

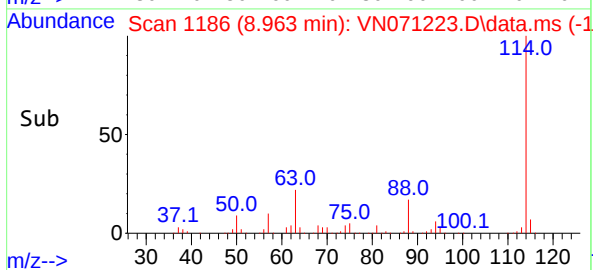
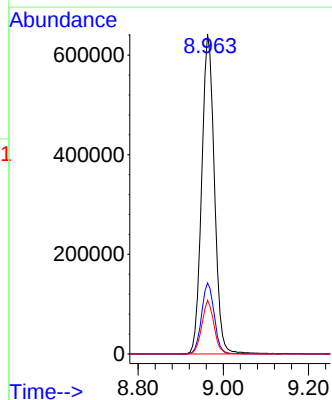
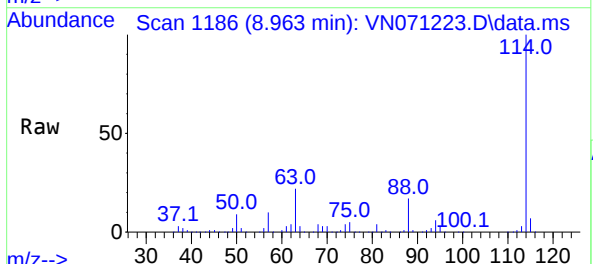
Instrument :
MSVOA_N
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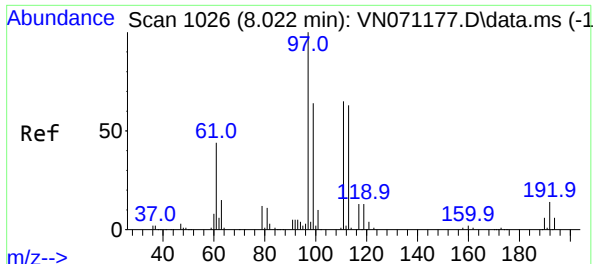
Tgt Ion: 65 Resp: 519948
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

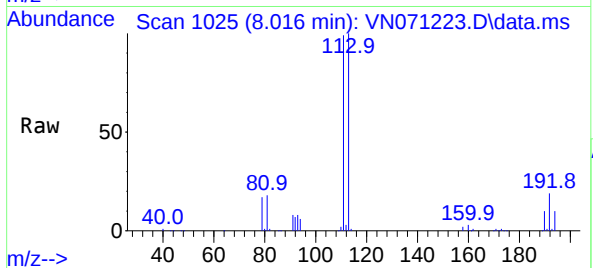
Tgt Ion: 114 Resp: 1330516
Ion Ratio Lower Upper
114 100
63 22.2 0.0 37.8
88 16.8 0.0 27.4



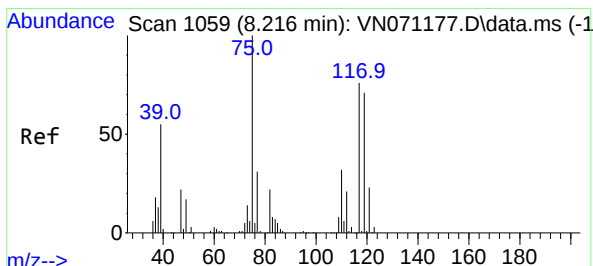
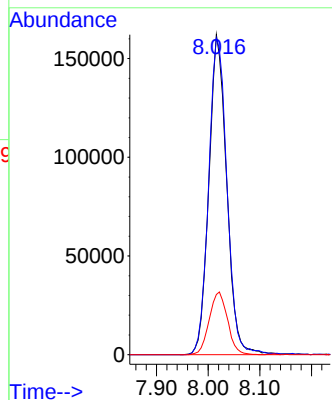
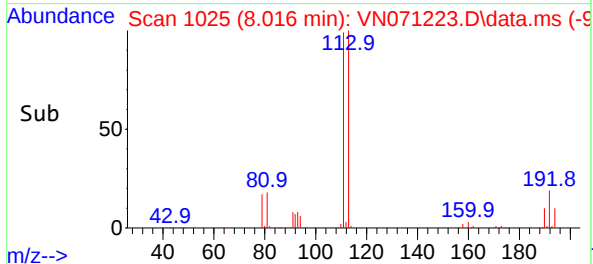


#35
Dibromofluoromethane
Concen: 46.258 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Instrument :
MSVOA_N
ClientSampleId :

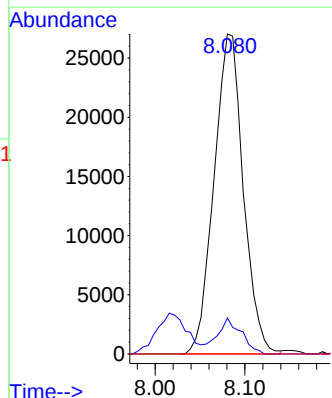
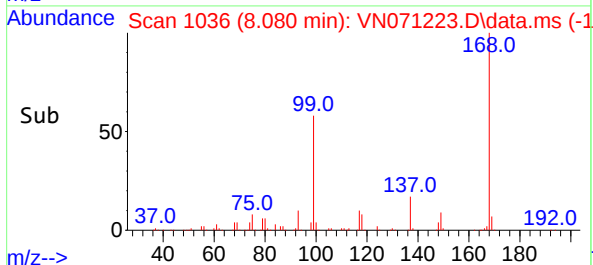
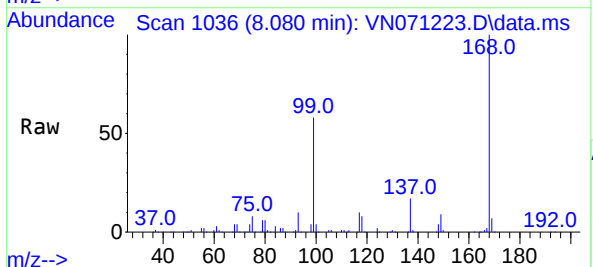


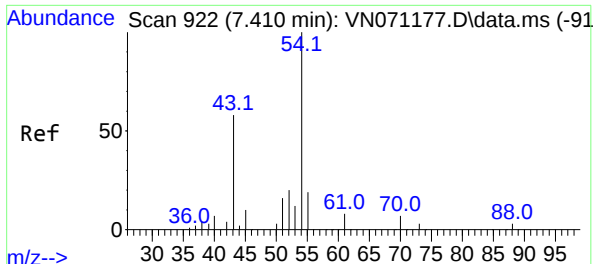
Tgt Ion:113 Resp: 388386
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.555 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Tgt Ion: 75 Resp: 61270
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.532 ug/l

RT: 7.333 min Scan# 90

Delta R.T. -0.077 min

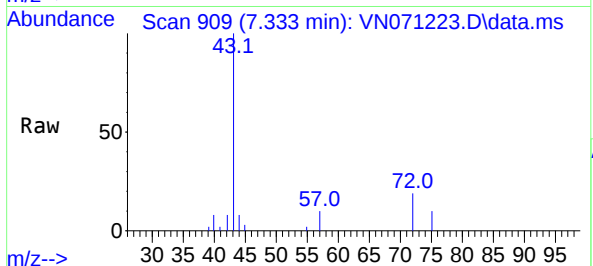
Lab File: VN071223.D

Acq: 10 Mar 2022 09:46

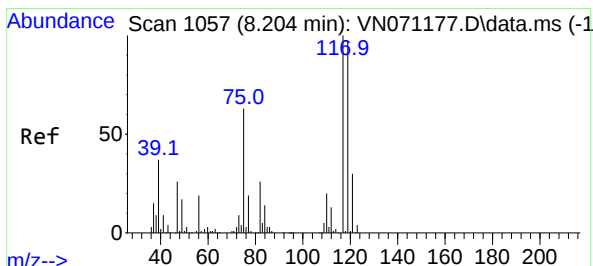
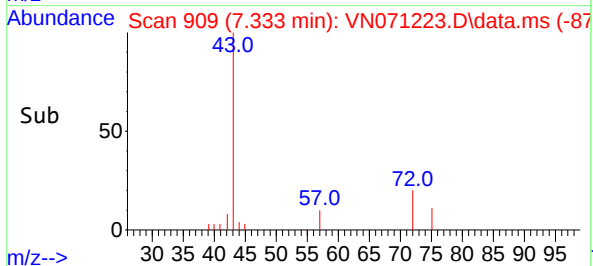
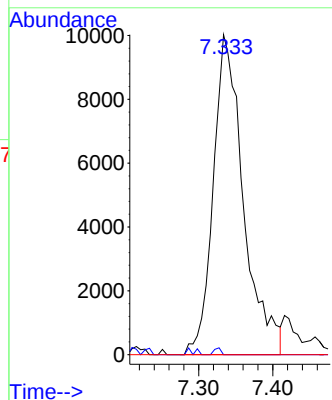
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	28355
Ion	Ratio	Lower	Upper
43	100		
61	0.5	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 6.018 ug/l

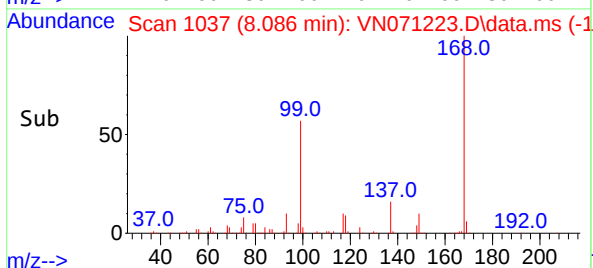
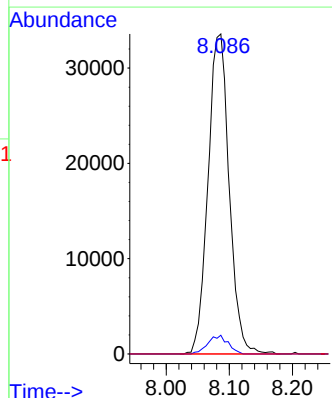
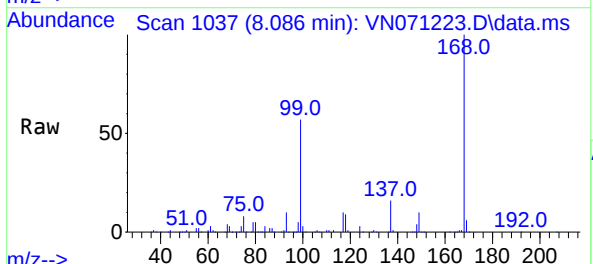
RT: 8.086 min Scan# 1037

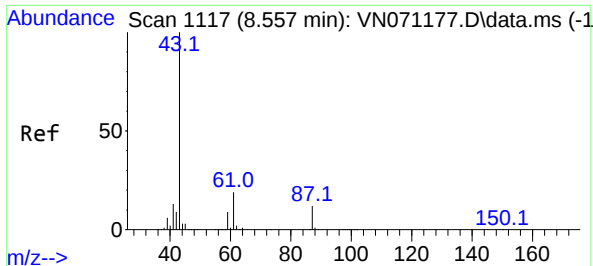
Delta R.T. -0.118 min

Lab File: VN071223.D

Acq: 10 Mar 2022 09:46

Tgt Ion:	117	Resp:	78308
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.1	114.1#
121	0.0	24.2	36.2#





#43

Isopropyl Acetate

Concen: 5.529 ug/l

RT: 8.557 min Scan# 1117

Delta R.T. -0.000 min

Lab File: VN071223.D

Acq: 10 Mar 2022 09:46

Instrument :

MSVOA_N

ClientSampleId :

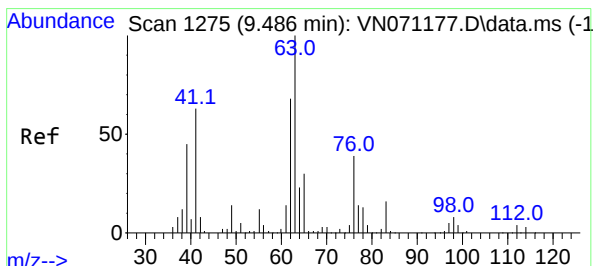
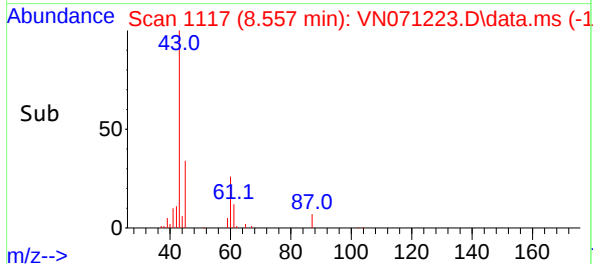
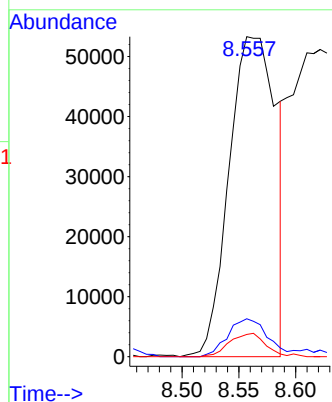
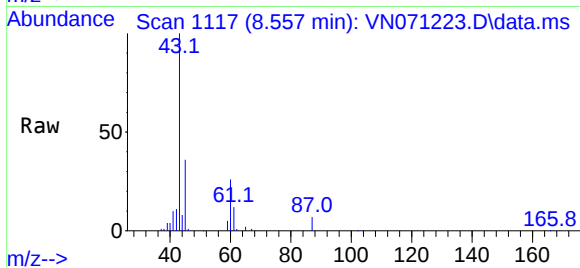
Tgt Ion: 43 Resp: 153082

Ion Ratio Lower Upper

43 100

61 10.4 20.4 30.6#

87 5.7 11.2 16.8#



#45

1,2-Dichloropropane

Concen: 0.505 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN071223.D

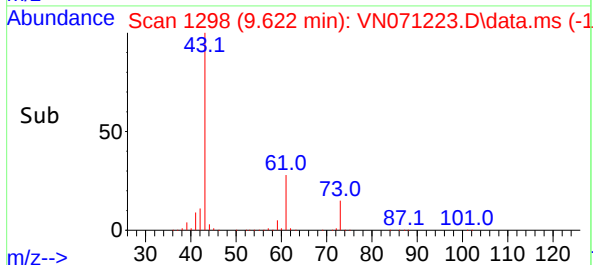
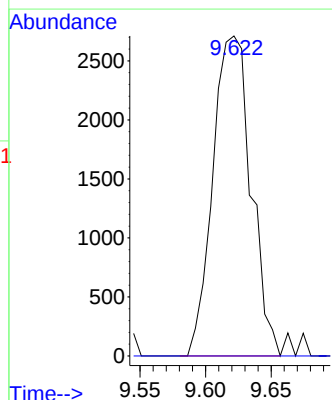
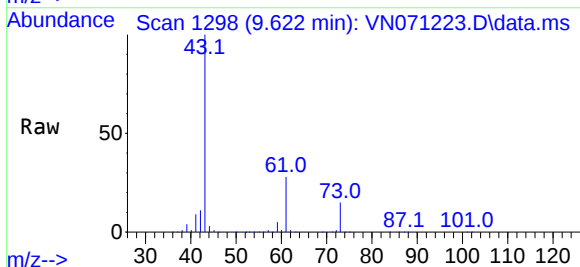
Acq: 10 Mar 2022 09:46

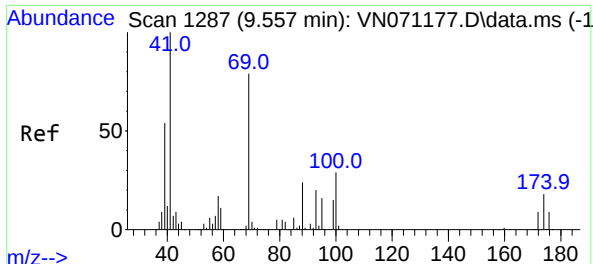
Tgt Ion: 63 Resp: 5496

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 1.500 ug/l

RT: 9.539 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN071223.D

Acq: 10 Mar 2022 09:46

Instrument :

MSVOA_N

ClientSampleId :

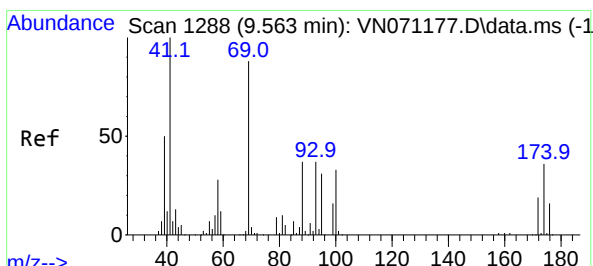
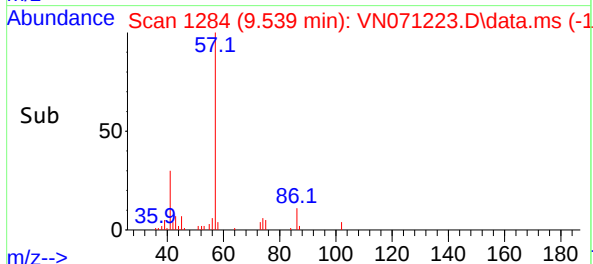
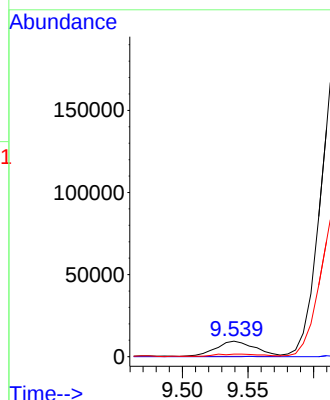
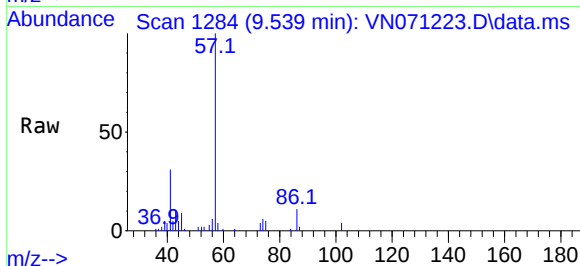
Tgt Ion: 41 Resp: 19249

Ion Ratio Lower Upper

41 100

69 0.3 72.4 108.6#

39 0.0 58.4 87.6#



#49

1,4-Dioxane

Concen: 2.381 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN071223.D

Acq: 10 Mar 2022 09:46

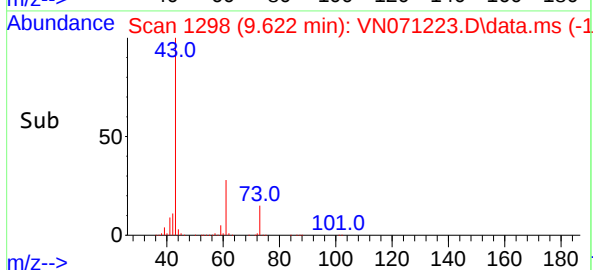
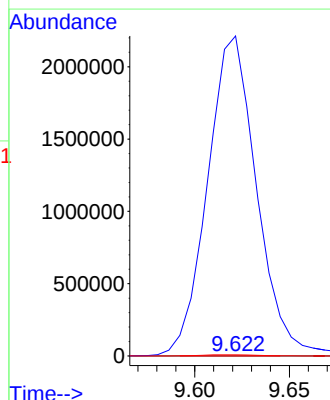
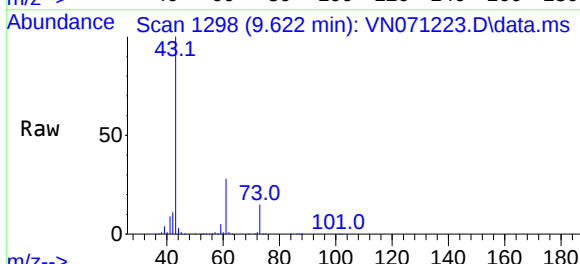
Tgt Ion: 88 Resp: 531

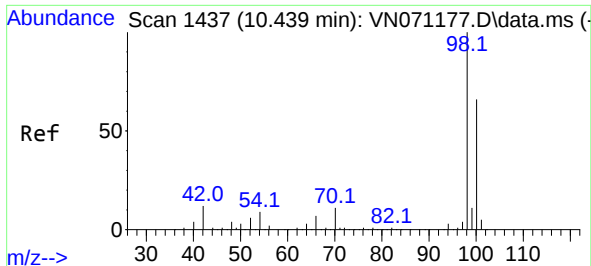
Ion Ratio Lower Upper

88 100

43 764318.3 23.4 35.2#

58 3037.7 50.6 75.8#

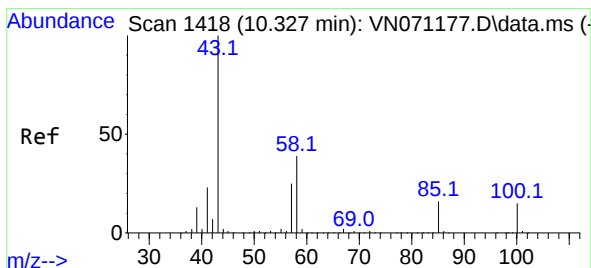
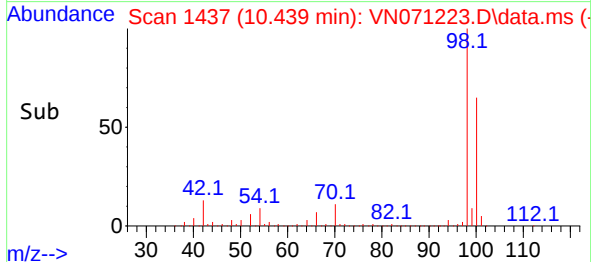
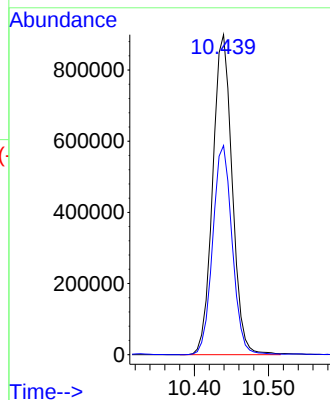
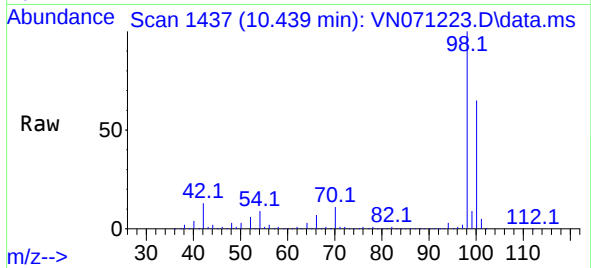




#50
Toluene-d8
Concen: 48.535 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

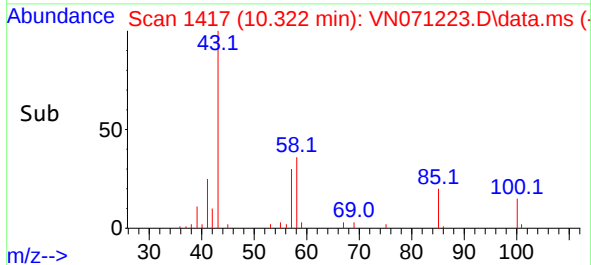
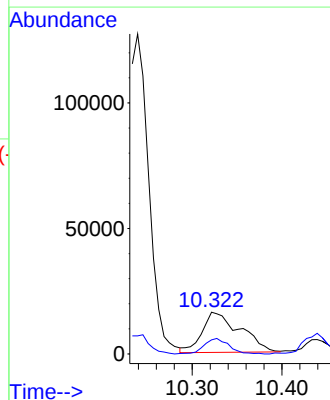
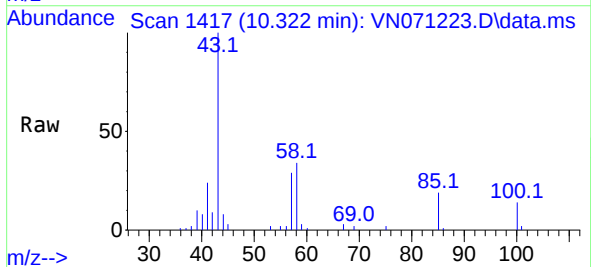
Instrument :
MSVOA_N
ClientSampleId :

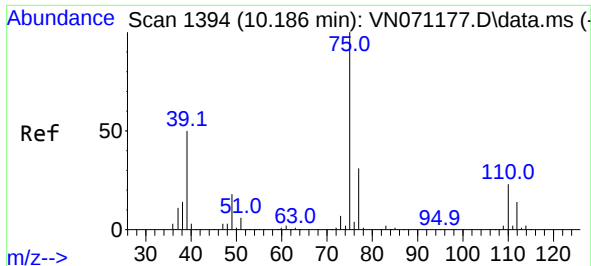
Tgt Ion: 98 Resp: 1640718
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 2.752 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.005 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Tgt Ion: 43 Resp: 47281
Ion Ratio Lower Upper
43 100
58 25.2 30.4 45.6#

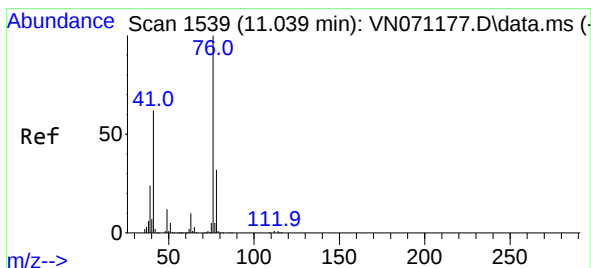
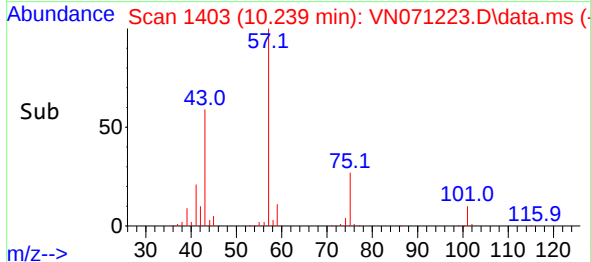
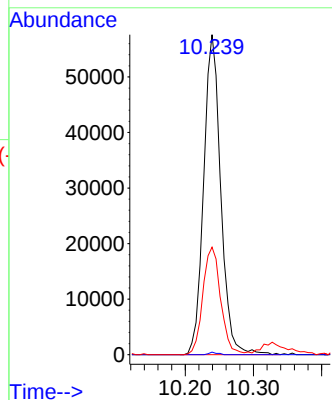
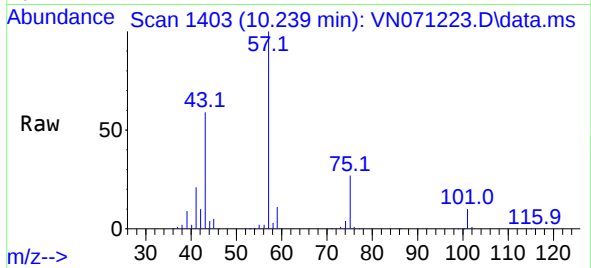




#54
cis-1,3-Dichloropropene
Concen: 6.170 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

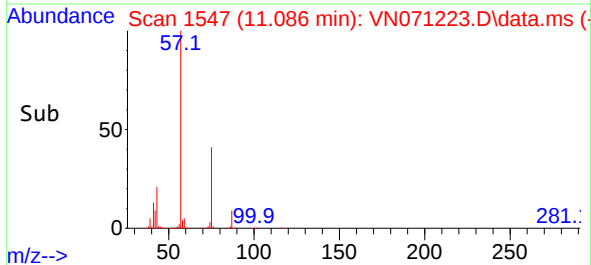
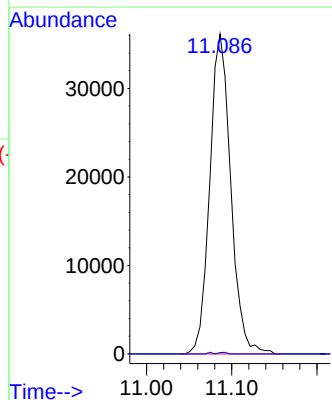
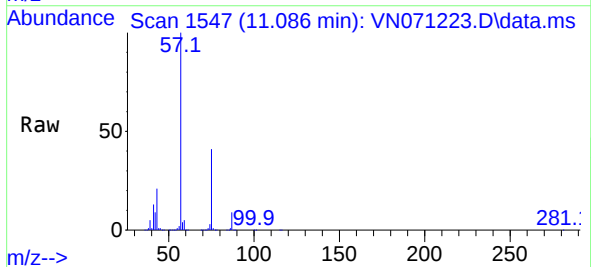
Instrument :
MSVOA_N
ClientSampleId :

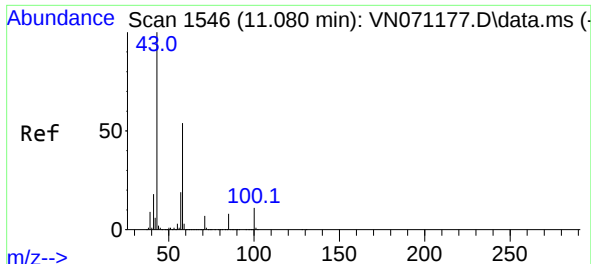
Tgt Ion: 75 Resp: 100572
Ion Ratio Lower Upper
75 100
77 0.8 26.4 39.6#
39 33.6 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 3.444 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Tgt Ion: 76 Resp: 61828
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

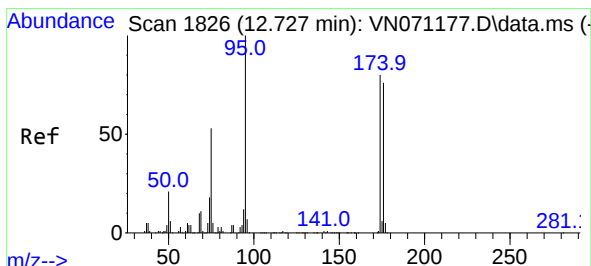
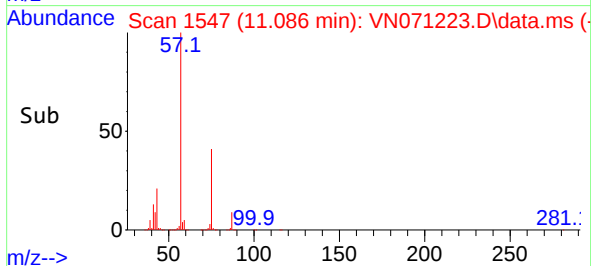
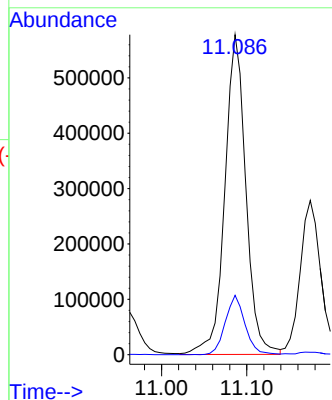
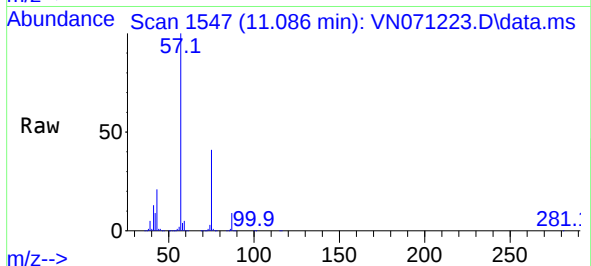




#59
2-Hexanone
Concen: 84.672 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

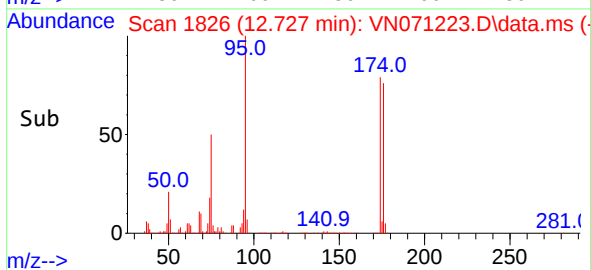
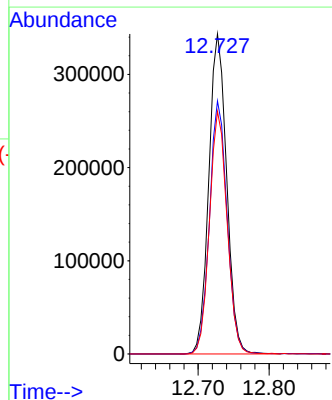
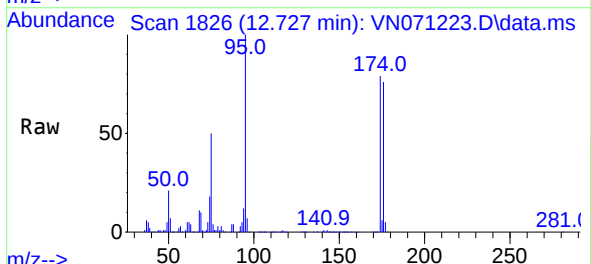
Instrument :
MSVOA_N
ClientSampleId :

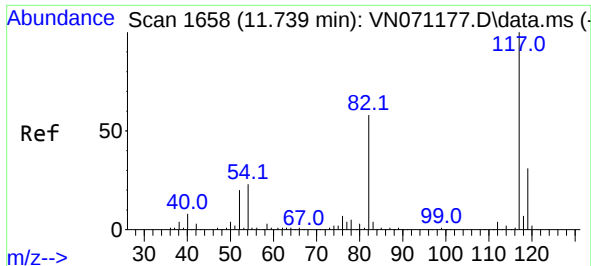
Tgt Ion: 43 Resp: 992629
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 52.318 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Tgt Ion: 95 Resp: 598893
Ion Ratio Lower Upper
95 100
174 78.2 0.0 187.2
176 74.8 0.0 181.4

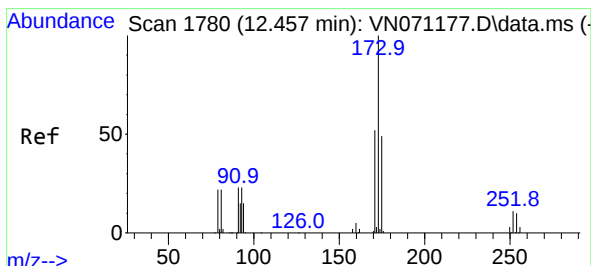
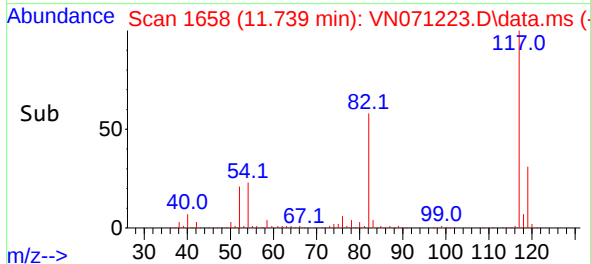
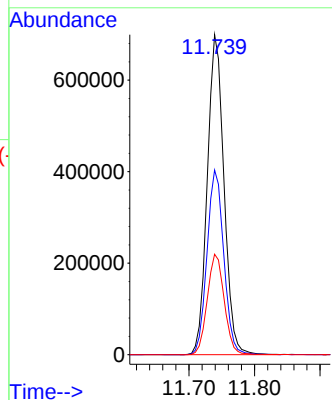
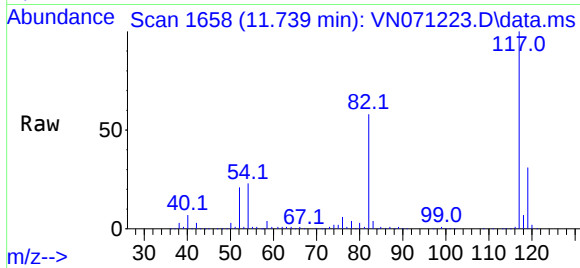




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

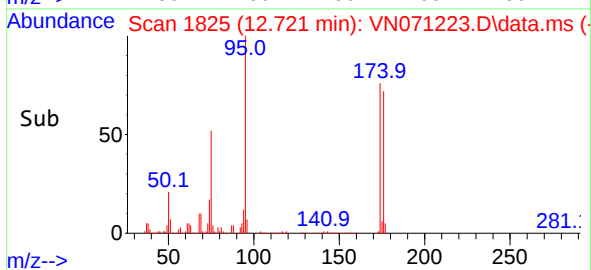
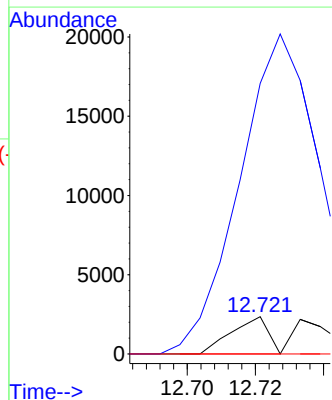
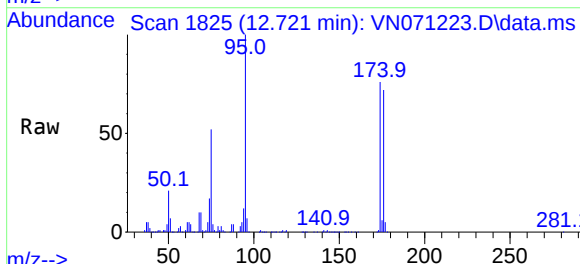
Instrument :
MSVOA_N
ClientSampleId :

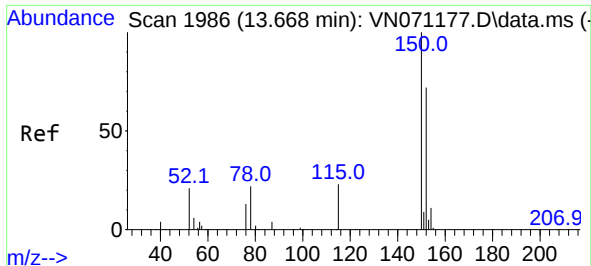
Tgt Ion:117 Resp: 1239723
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 31.4 25.4 38.2



#71
Bromoform
Concen: 0.237 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Tgt Ion:173 Resp: 1758
Ion Ratio Lower Upper
173 100
175 1488.5 24.2 72.6#
254 0.0 0.0 0.0

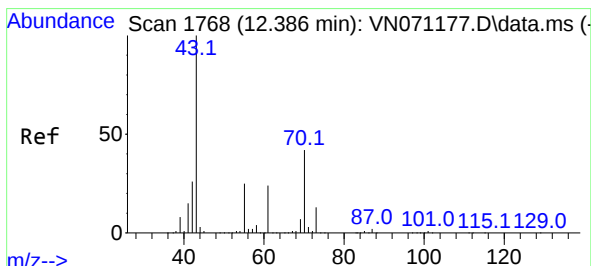
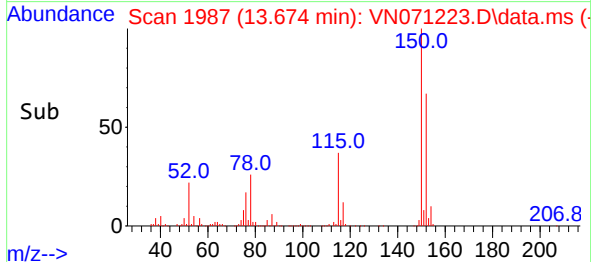
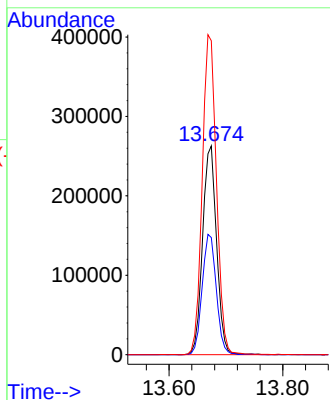
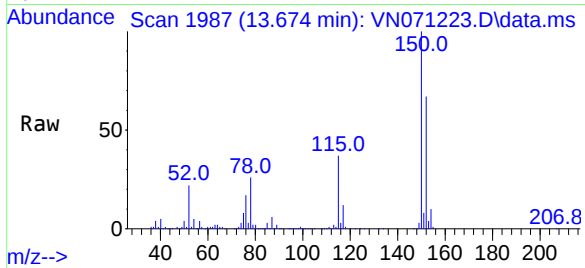




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

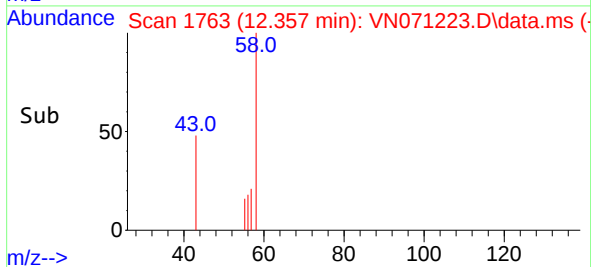
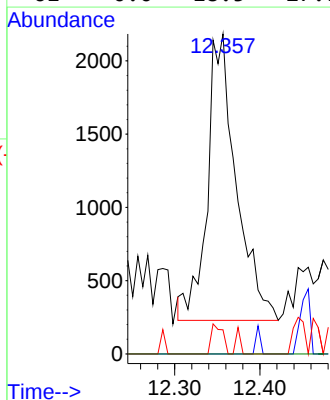
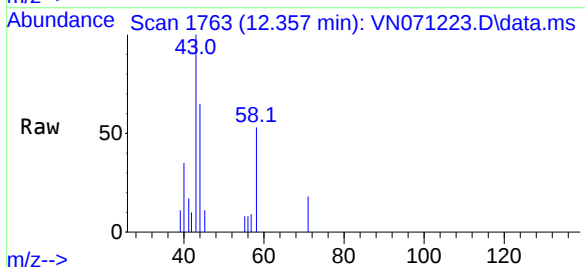
Instrument :
MSVOA_N
ClientSampleId :

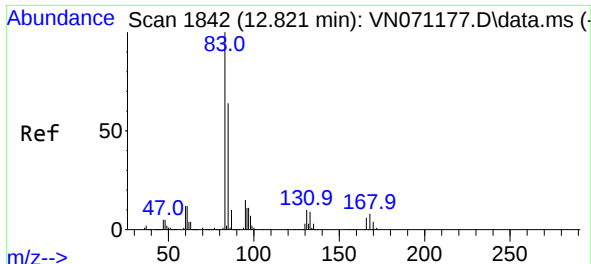
Tgt Ion:152 Resp: 448386
Ion Ratio Lower Upper
152 100
115 58.1 27.5 82.5
150 155.8 0.0 344.4



#74
N-ethyl acetate
Concen: 0.283 ug/l
RT: 12.357 min Scan# 1763
Delta R.T. -0.029 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Tgt Ion: 43 Resp: 4604
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.0#
55 4.1 19.3 28.9#
61 0.0 18.5 27.7#

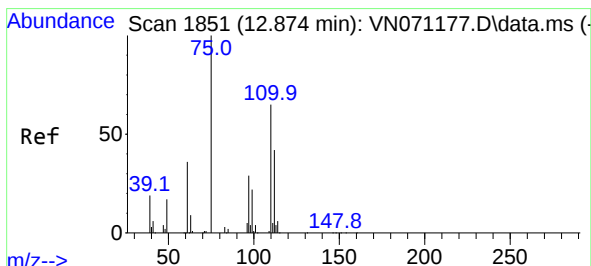
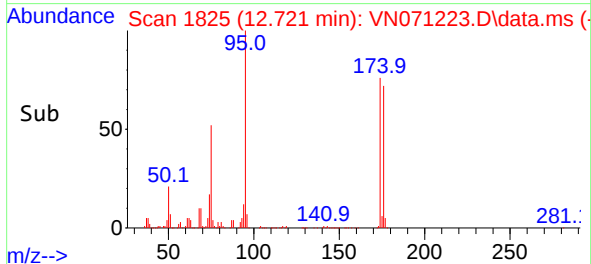
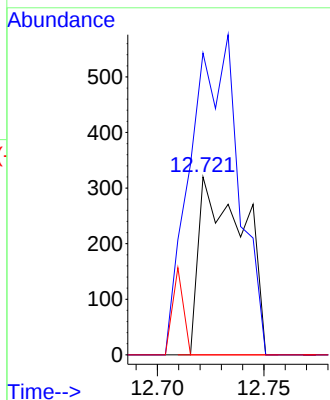
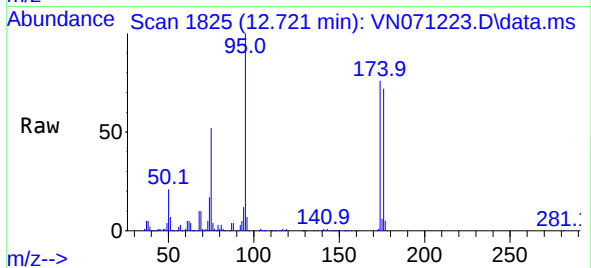




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.721 min Scan# 1842
Delta R.T. -0.100 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

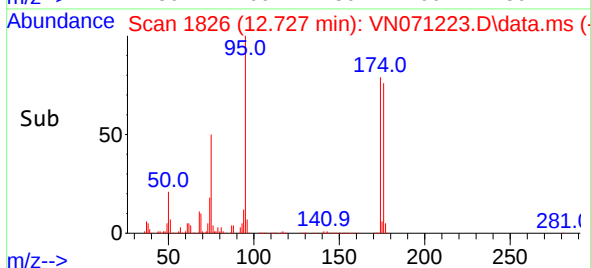
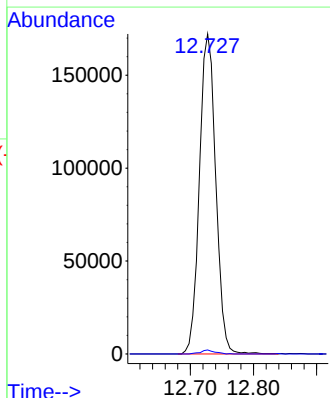
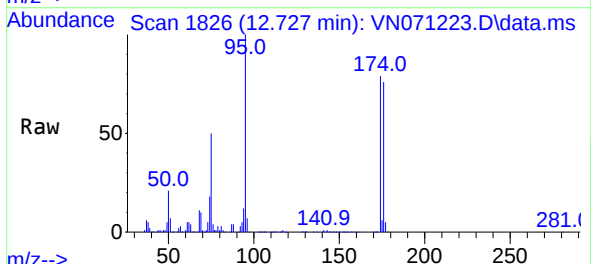
Instrument :
MSVOA_N
ClientSampleId :

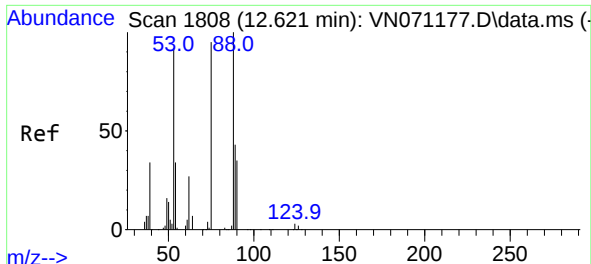
Tgt Ion: 83 Resp: 463
Ion Ratio Lower Upper
83 100
131 194.6 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.125 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Tgt Ion: 75 Resp: 308812
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

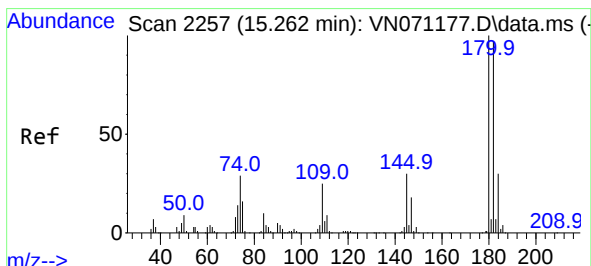
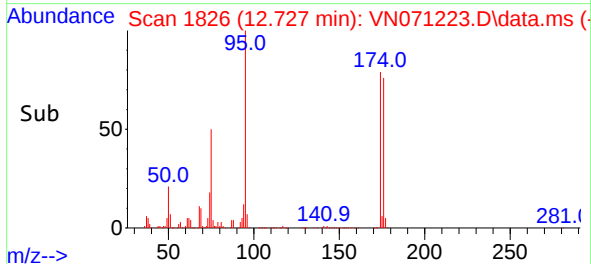
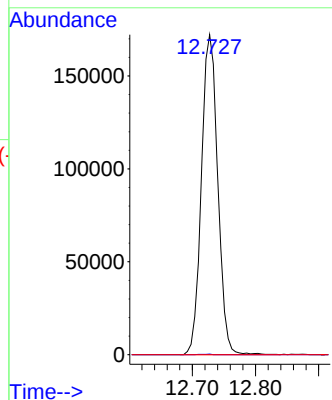
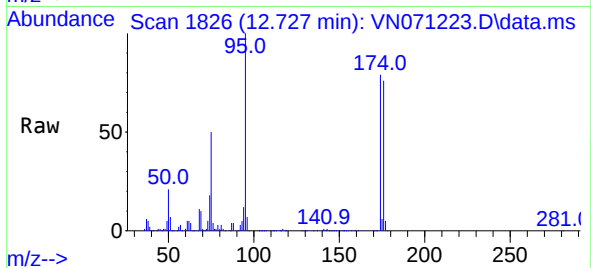




#81
trans-1,4-Dichloro-2-butene
Concen: 74.450 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

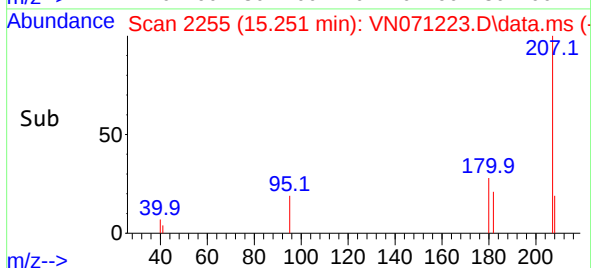
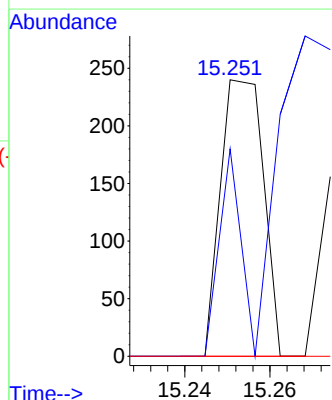
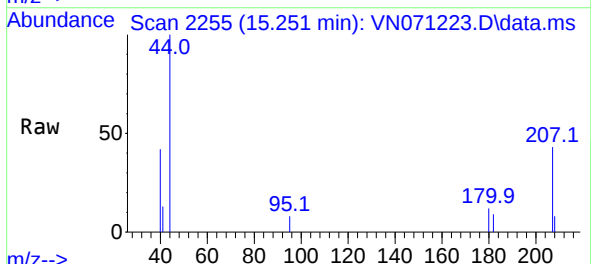
Instrument :
MSVOA_N
ClientSampleId :

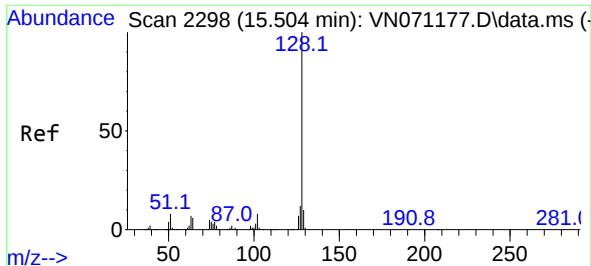
Tgt Ion: 75 Resp: 308812
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.011 ug/l
RT: 15.251 min Scan# 2255
Delta R.T. -0.011 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Tgt Ion: 180 Resp: 168
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#

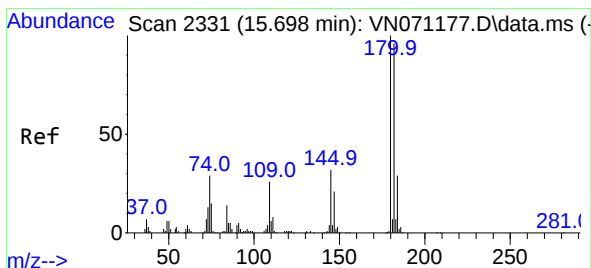
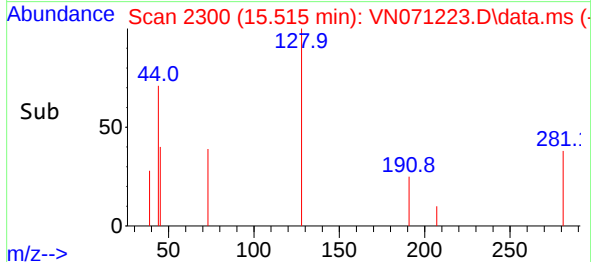
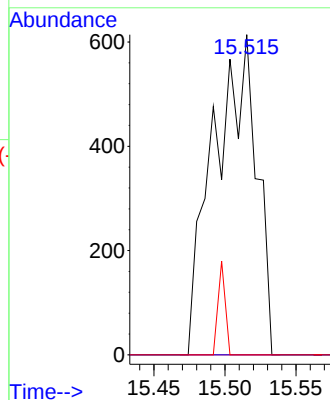
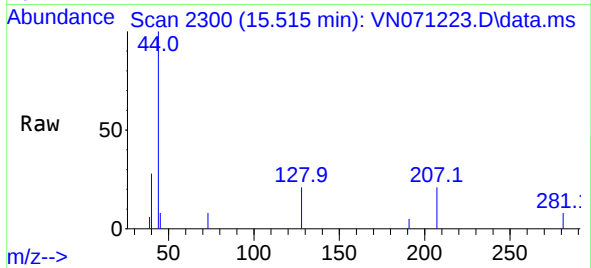




#95
Naphthalene
Concen: 5.124 ug/l
RT: 15.515 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1283
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 4.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.740 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071223.D
Acq: 10 Mar 2022 09:46

Tgt Ion:180 Resp: 62
Ion Ratio Lower Upper
180 100
182 122.6 47.4 142.2
145 0.0 15.0 45.1#

