

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022522\
 Data File : VN071077.D
 Acq On : 25 Feb 2022 18:10
 Operator : JC\MD
 Sample : N1664-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Feb 26 03:44:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

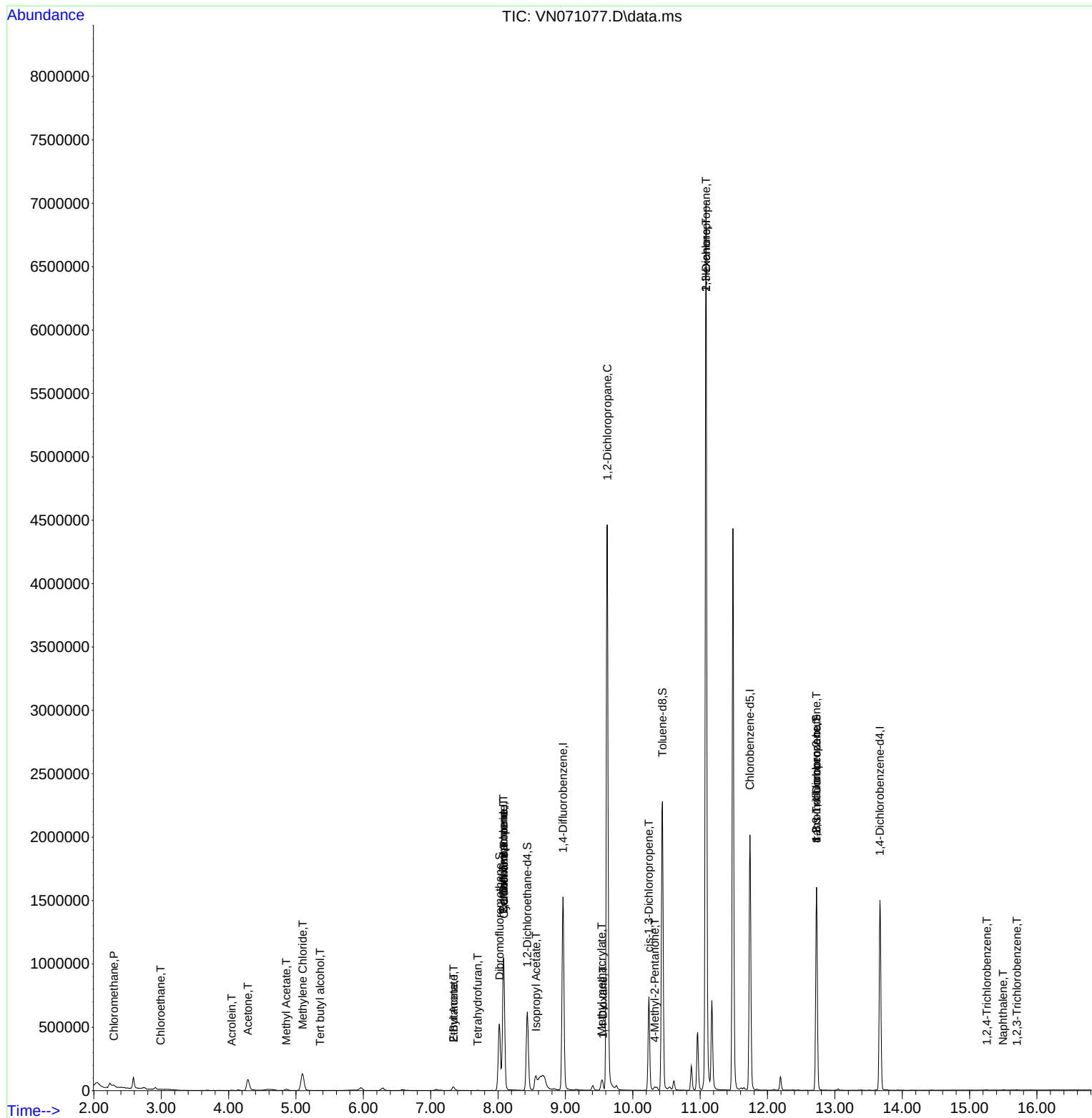
Internal Standards						
1) Pentafluorobenzene	8.081	168	816898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1328354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1173763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	420704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	512693	54.942	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.880%			
35) Dibromofluoromethane	8.022	113	388257	49.140	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.280%			
50) Toluene-d8	10.439	98	1610352	50.752	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.727	95	560961	49.460	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.920%			
Target Compounds					Qvalue	
3) Chloromethane	2.299	50	2721	0.255	ug/l #	68
6) Chloroethane	2.993	64	1701	0.243	ug/l #	42
11) Tert butyl alcohol	5.357	59	789	0.464	ug/l #	71
13) Acrolein	4.046	56	1811	1.192	ug/l #	37
16) Acetone	4.287	43	169130	32.910	ug/l	92
18) Methyl Acetate	4.857	43	22562	1.420	ug/l	94
20) Methylene Chloride	5.098	84	108137	11.578	ug/l	93
25) 2-Butanone	7.339	43	52843	7.730	ug/l	96
29) Tetrahydrofuran	7.698	42	1870	0.422	ug/l #	74
31) Cyclohexane	8.086	56	16049	0.994	ug/l #	7
36) 1,1-Dichloropropene	8.081	75	62513	4.829	ug/l #	49
37) Ethyl Acetate	7.339	43	52843	3.806	ug/l #	68
38) Carbon Tetrachloride	8.081	117	79982	6.271	ug/l #	17
43) Isopropyl Acetate	8.563	43	148247	6.775	ug/l #	77
45) 1,2-Dichloropropane	9.622	63	5467	0.557	ug/l #	44
48) Methyl methacrylate	9.539	41	26858	2.593	ug/l #	8
49) 1,4-Dioxane	9.557	88	61	0.332	ug/l #	27
51) 4-Methyl-2-Pentanone	10.327	43	18478	1.388	ug/l	99
54) cis-1,3-Dichloropropene	10.239	75	128803	8.268	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	72704	4.463	ug/l #	43
59) 2-Hexanone	11.086	43	1119872	122.304	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	286298	28.903	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	286298	93.659	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	1281	2.158	ug/l #	89
95) Naphthalene	15.498	128	3650	5.164	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.704	180	1145	2.668	ug/l	92

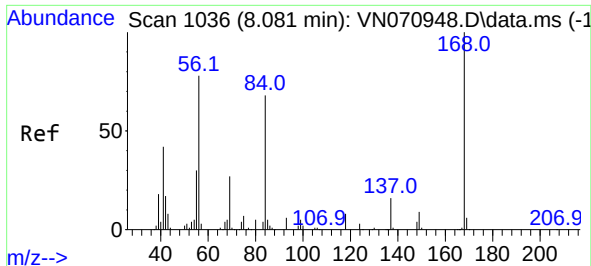
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022522\
Data File : VN071077.D
Acq On : 25 Feb 2022 18:10
Operator : JC\MD
Sample : N1664-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Quant Time: Feb 26 03:44:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 21 07:57:15 2022
Response via : Initial Calibration

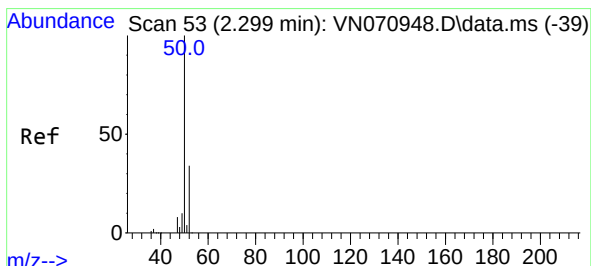
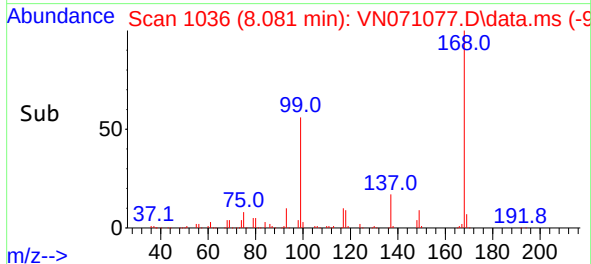
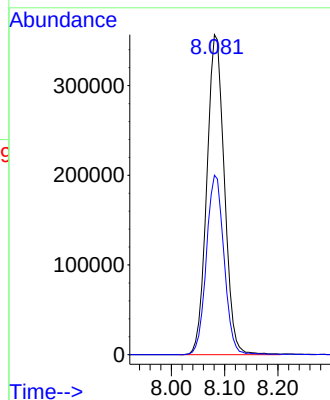
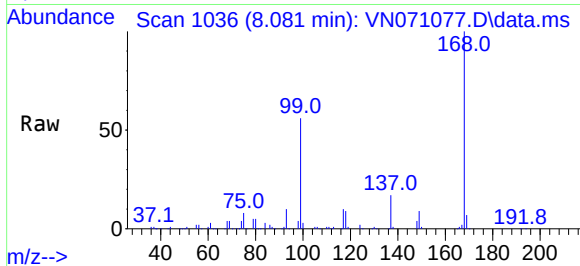




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

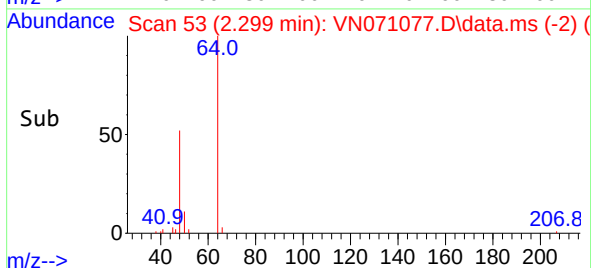
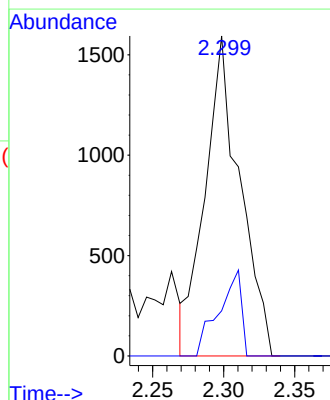
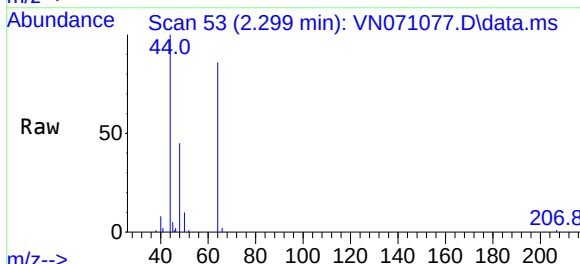
Instrument :
MSVOA_N
ClientSampleId :
TP-5

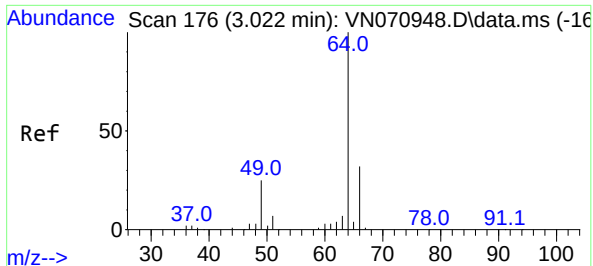
Tgt Ion:168 Resp: 816898
Ion Ratio Lower Upper
168 100
99 56.1 41.3 61.9



#3
Chloromethane
Concen: 0.255 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 50 Resp: 2721
Ion Ratio Lower Upper
50 100
52 14.1 25.4 38.0#

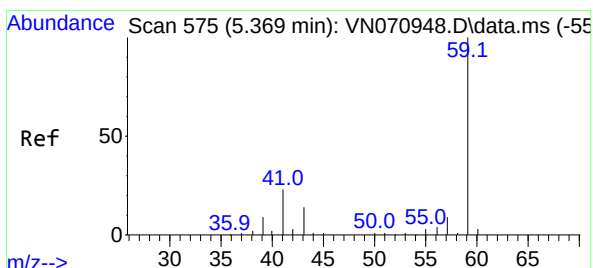
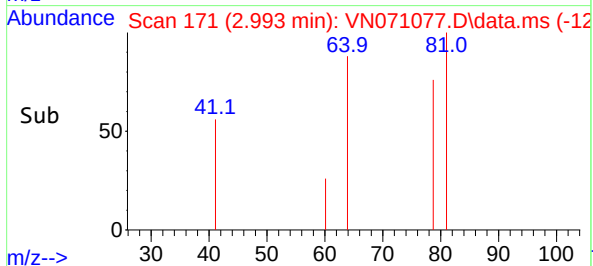
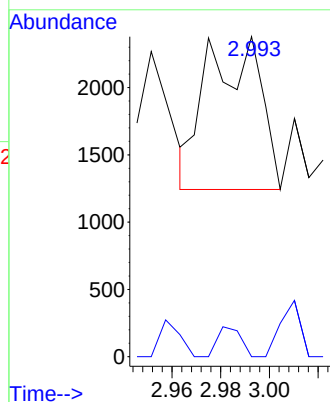
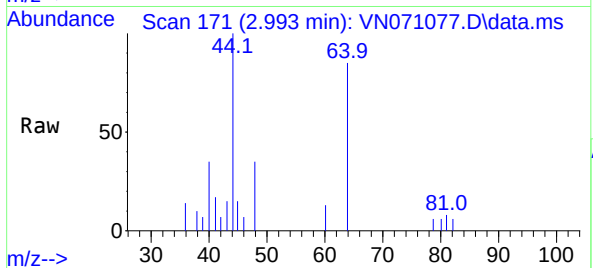




#6
Chloroethane
Concen: 0.243 ug/l
RT: 2.993 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

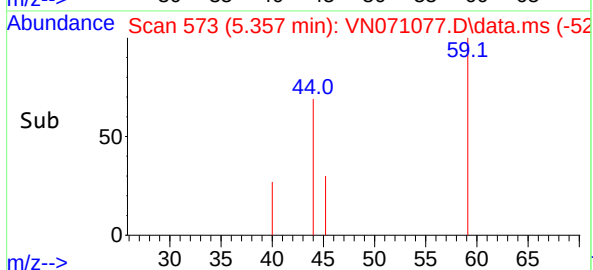
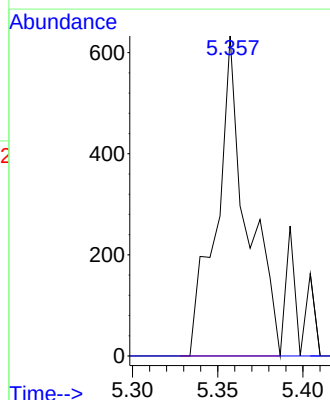
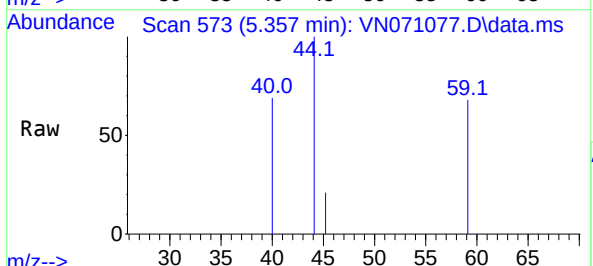
Instrument :
MSVOA_N
ClientSampleId :
TP-5

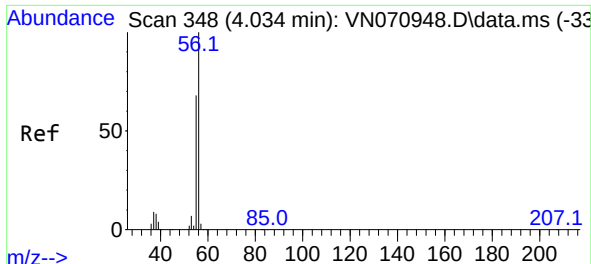
Tgt Ion: 64 Resp: 1701
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 0.464 ug/l
RT: 5.357 min Scan# 573
Delta R.T. -0.012 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 59 Resp: 789
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 1.192 ug/l

RT: 4.046 min Scan# 3

Delta R.T. 0.012 min

Lab File: VN071077.D

Acq: 25 Feb 2022 18:10

Instrument :

MSVOA_N

ClientSampleId :

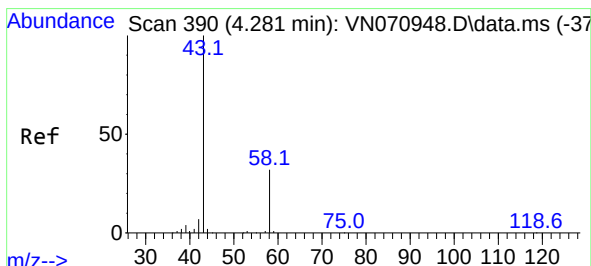
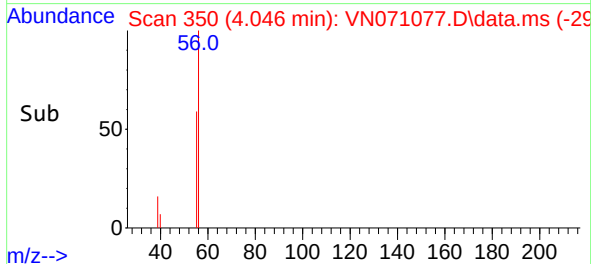
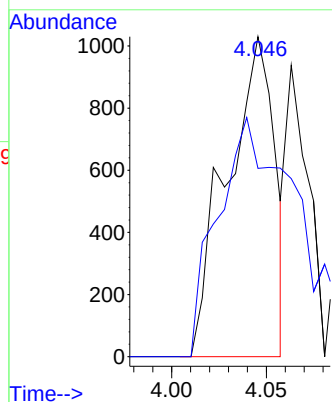
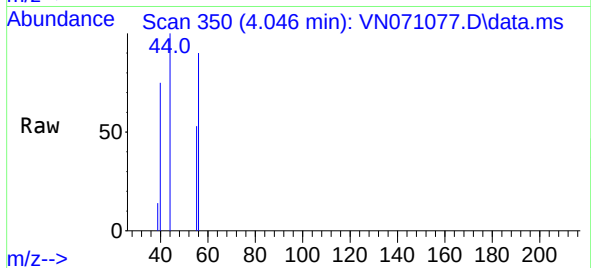
TP-5

Tgt Ion: 56 Resp: 1811

Ion Ratio Lower Upper

56 100

55 122.5 56.6 85.0#



#16

Acetone

Concen: 32.910 ug/l

RT: 4.287 min Scan# 391

Delta R.T. 0.006 min

Lab File: VN071077.D

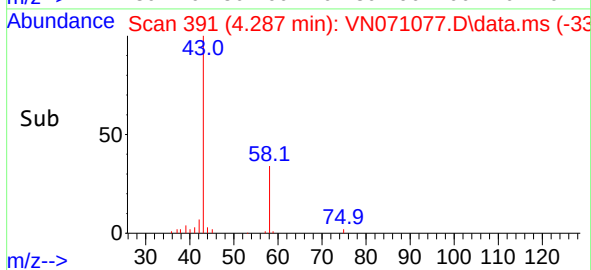
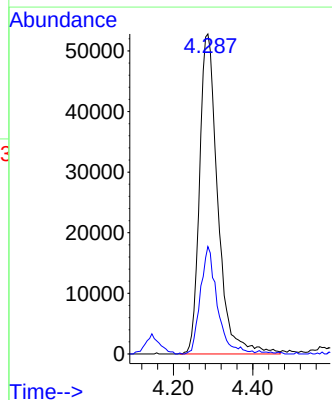
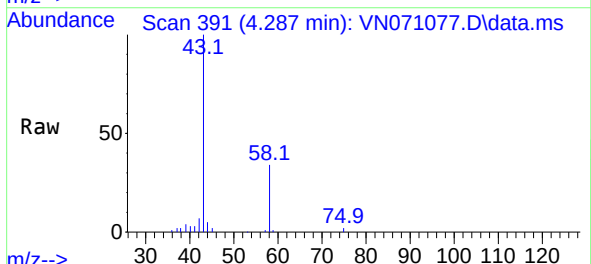
Acq: 25 Feb 2022 18:10

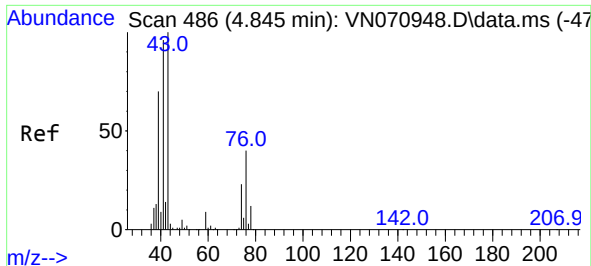
Tgt Ion: 43 Resp: 169130

Ion Ratio Lower Upper

43 100

58 33.2 23.1 34.7

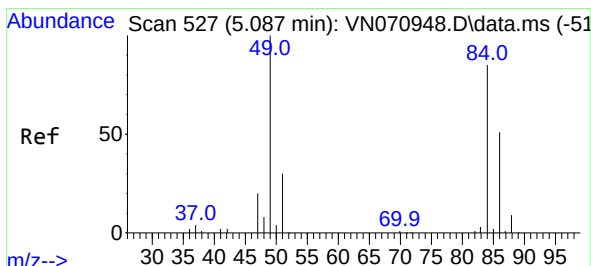
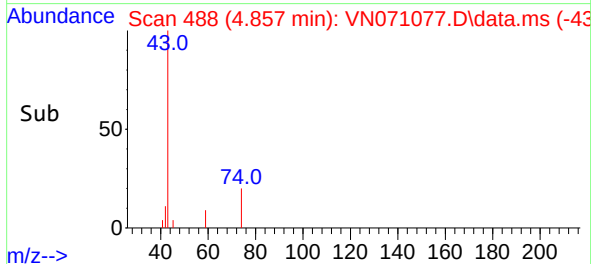
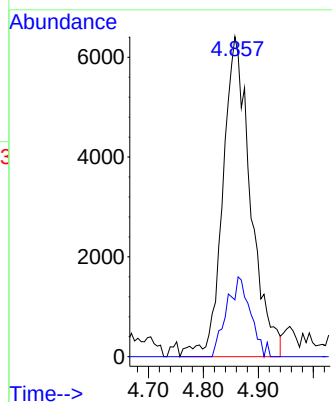
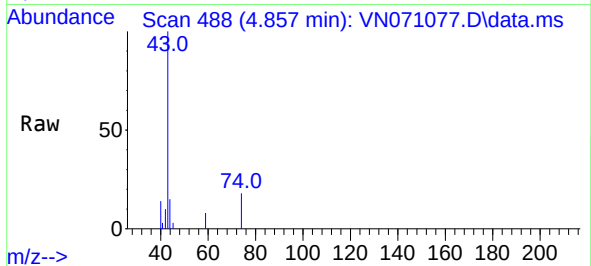




#18
Methyl Acetate
Concen: 1.420 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

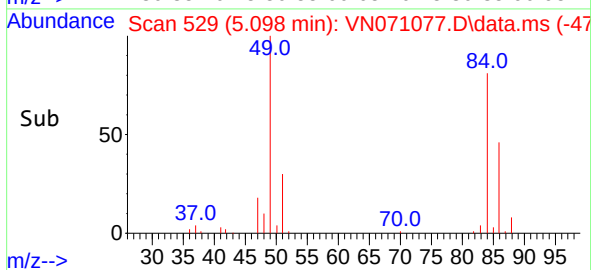
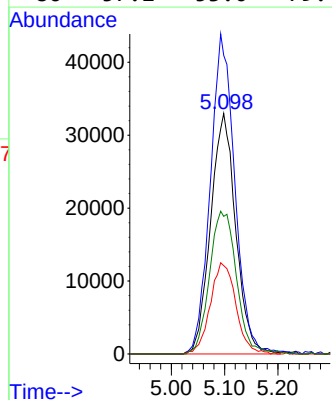
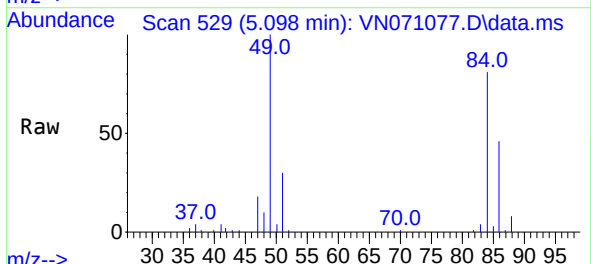
Instrument :
MSVOA_N
ClientSampleId :
TP-5

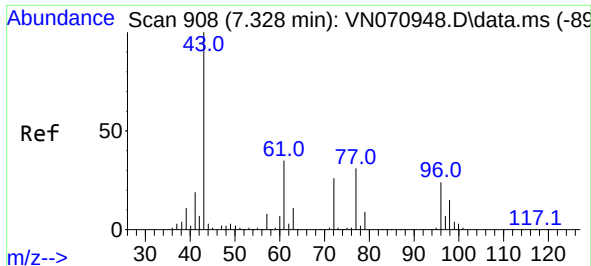
Tgt Ion: 43 Resp: 22562
Ion Ratio Lower Upper
43 100
74 21.3 19.4 29.2



#20
Methylene Chloride
Concen: 11.578 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 84 Resp: 108137
Ion Ratio Lower Upper
84 100
49 124.1 93.5 140.3
51 36.7 29.4 44.2
86 57.2 53.0 79.4

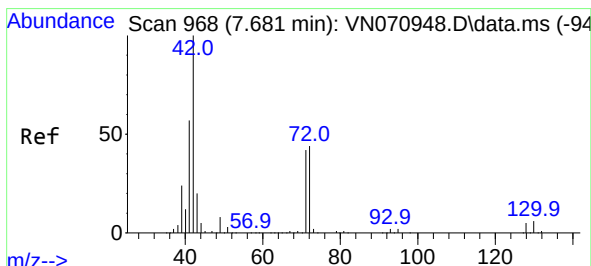
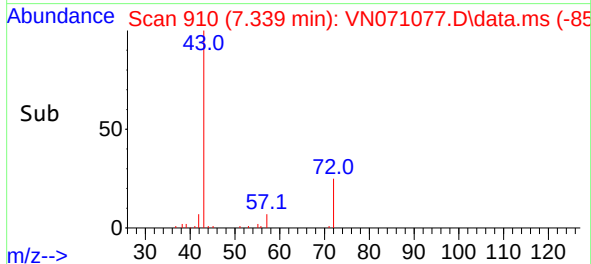
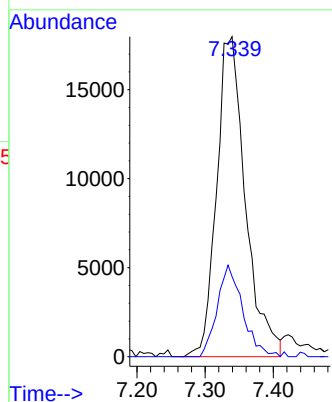
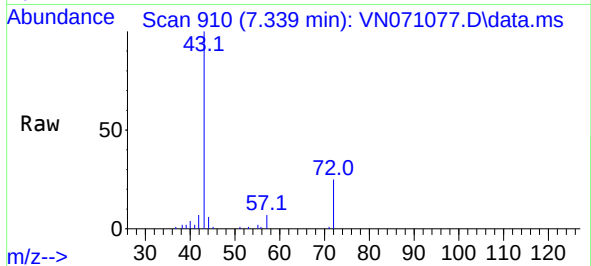




#25
2-Butanone
Concen: 7.730 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

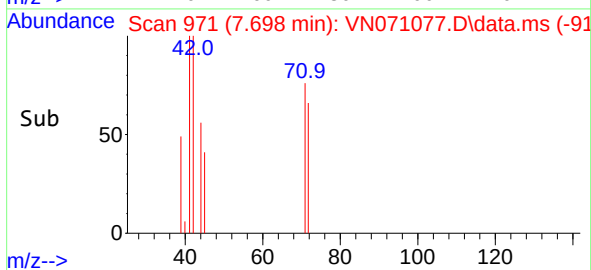
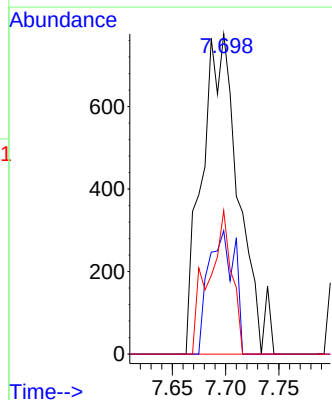
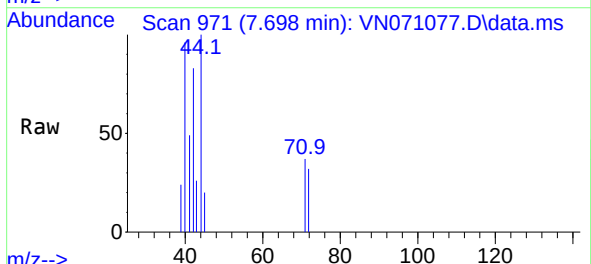
Instrument :
MSVOA_N
ClientSampleId :
TP-5

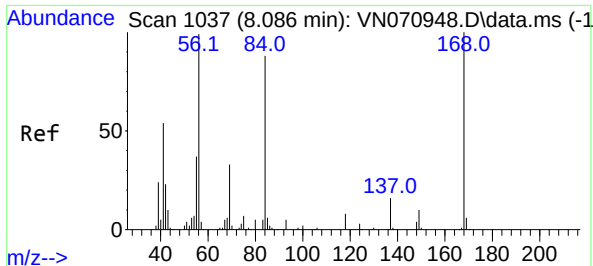
Tgt Ion: 43 Resp: 52843
Ion Ratio Lower Upper
43 100
72 25.0 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.422 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.018 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 42 Resp: 1870
Ion Ratio Lower Upper
42 100
72 27.2 36.3 54.5#
71 28.4 34.7 52.1#

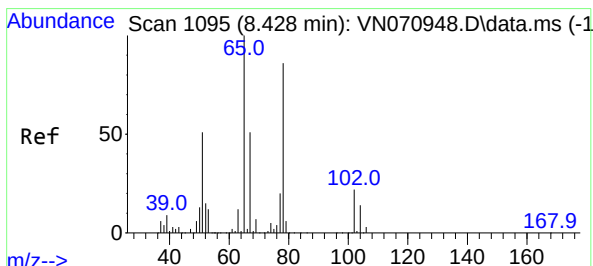
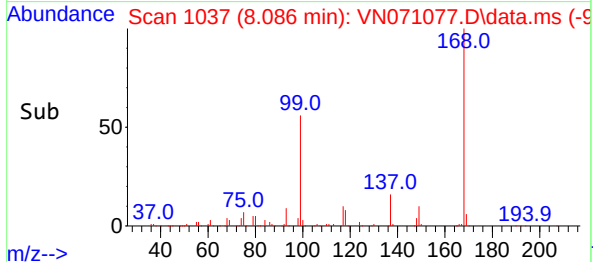
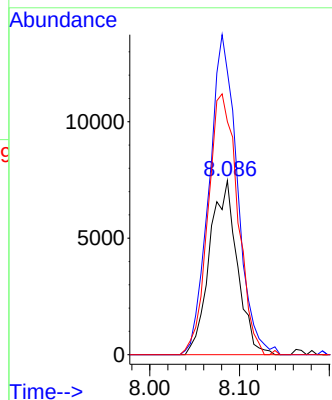
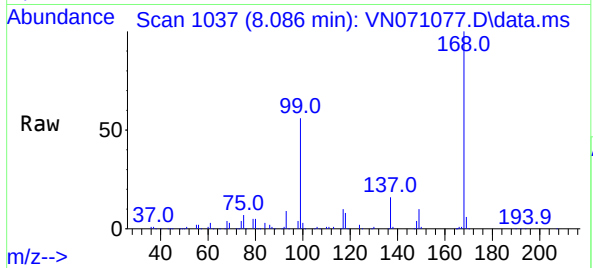




#31
Cyclohexane
Concen: 0.994 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

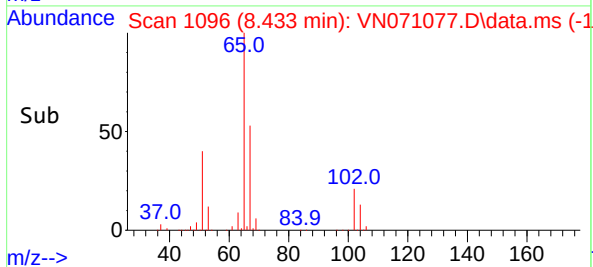
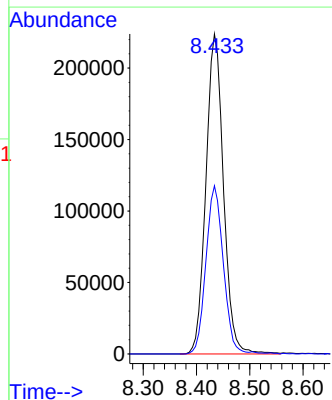
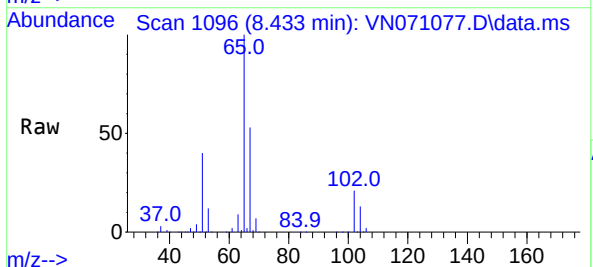
Instrument :
MSVOA_N
ClientSampleId :
TP-5

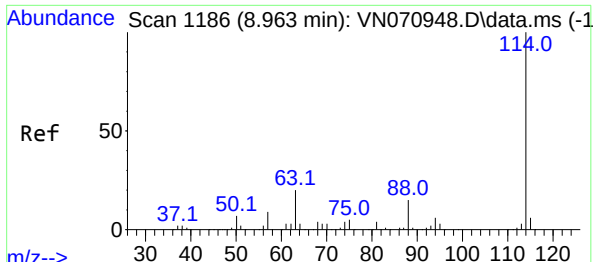
Tgt Ion: 56 Resp: 16049
Ion Ratio Lower Upper
56 100
69 162.6 27.1 40.7#
84 133.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.942 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 65 Resp: 512693
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0

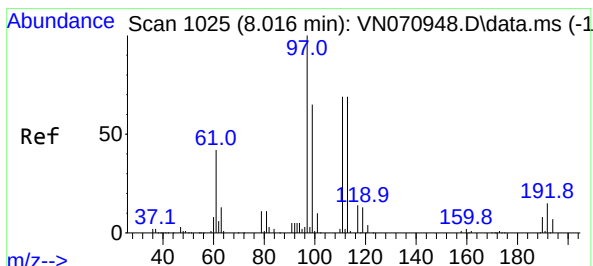
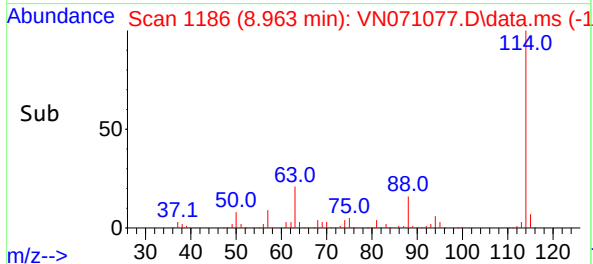
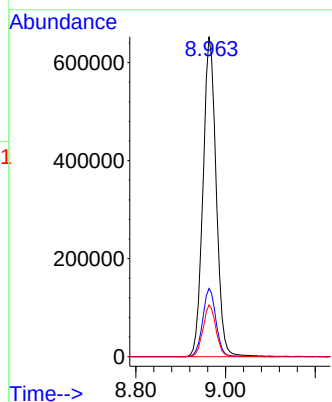
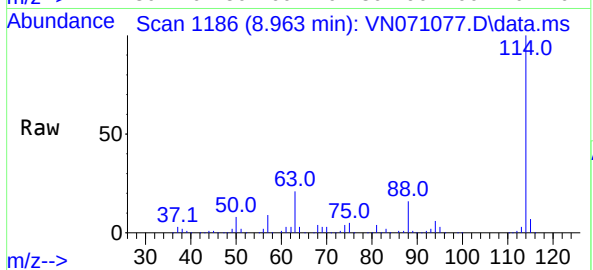




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

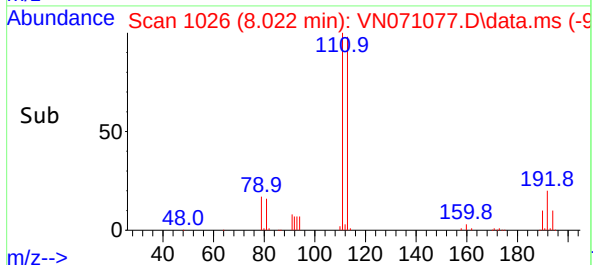
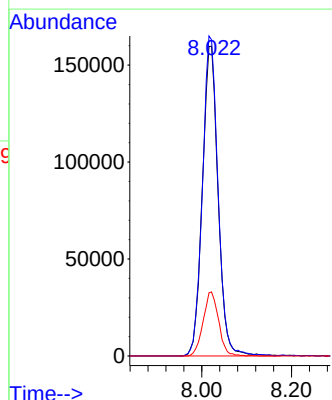
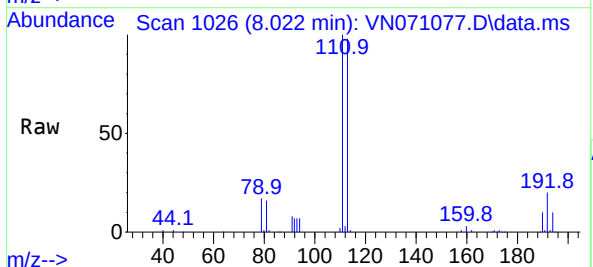
Instrument :
MSVOA_N
ClientSampleId :
TP-5

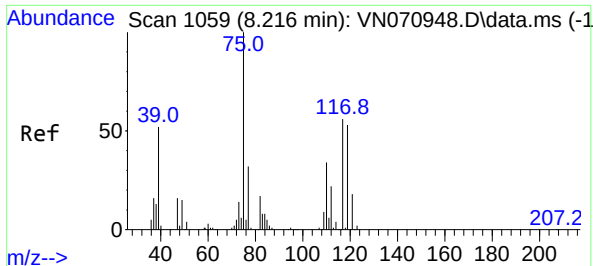
Tgt Ion:114 Resp: 1328354
Ion Ratio Lower Upper
114 100
63 21.3 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.140 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion:113 Resp: 388257
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 20.3 16.9 25.3

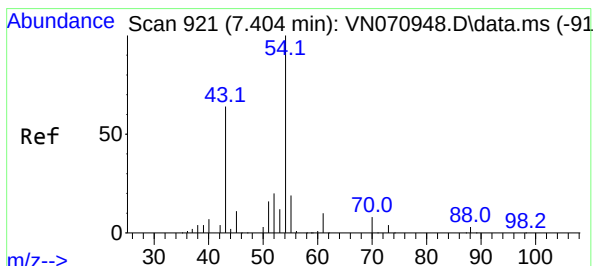
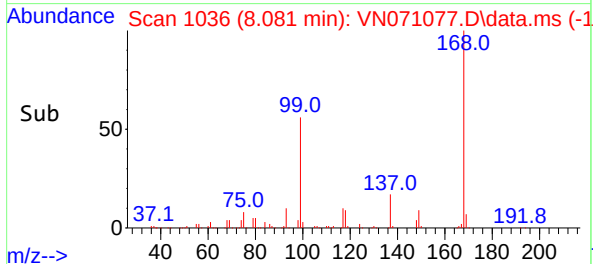
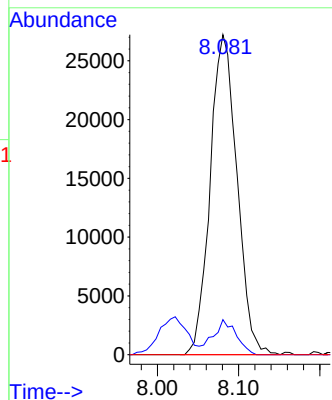
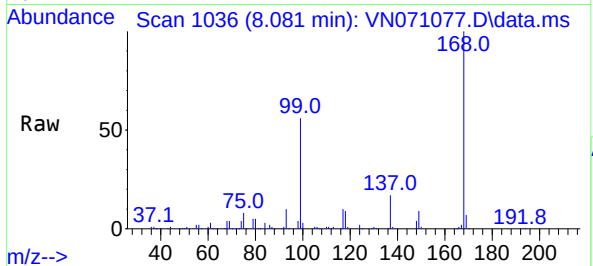




#36
1,1-Dichloropropene
Concen: 4.829 ug/l
RT: 8.081 min Scan# 1059
Delta R.T. -0.135 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

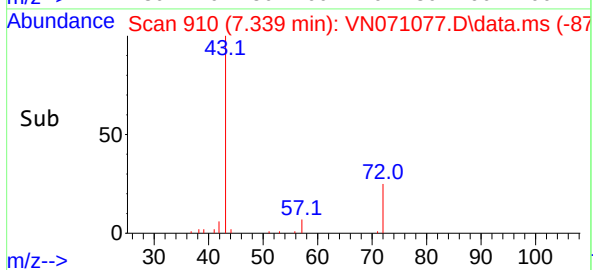
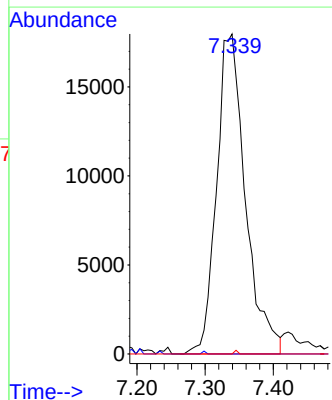
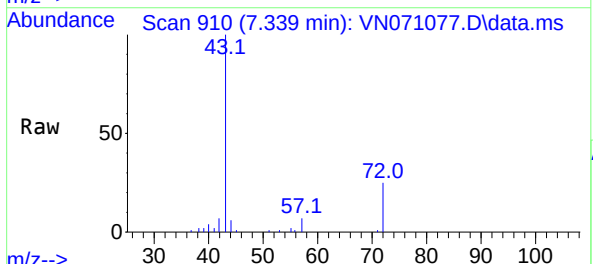
Instrument :
MSVOA_N
ClientSampleId :
TP-5

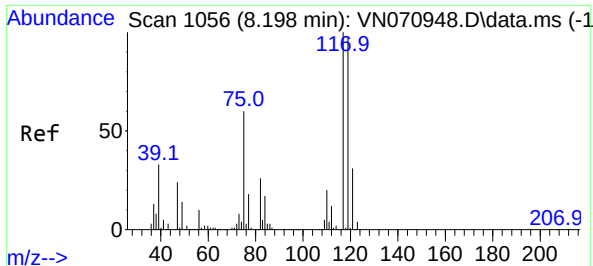
Tgt Ion: 75 Resp: 62513
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.806 ug/l
RT: 7.339 min Scan# 910
Delta R.T. -0.065 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 43 Resp: 52843
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.1 7.9 11.9#

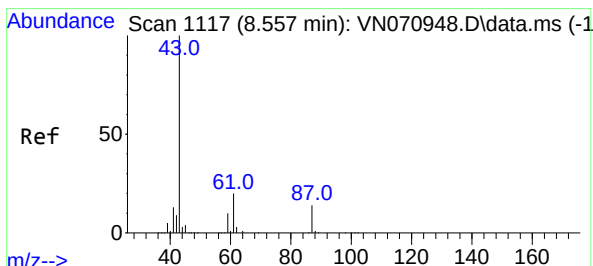
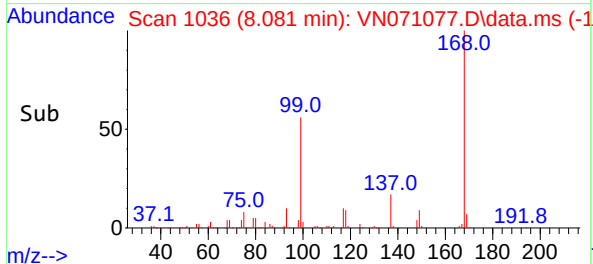
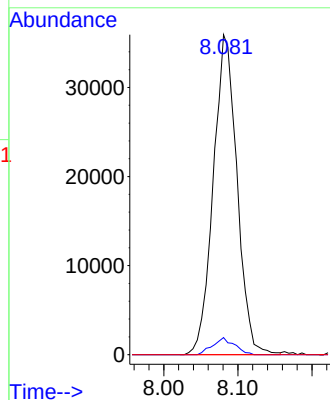
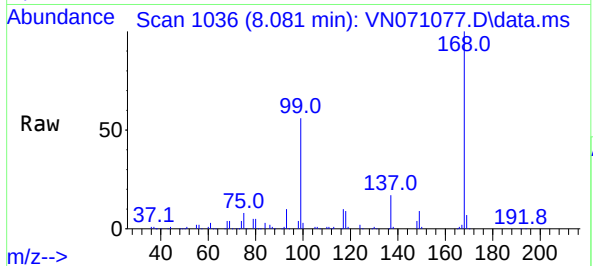




#38
Carbon Tetrachloride
Concen: 6.271 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.118 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

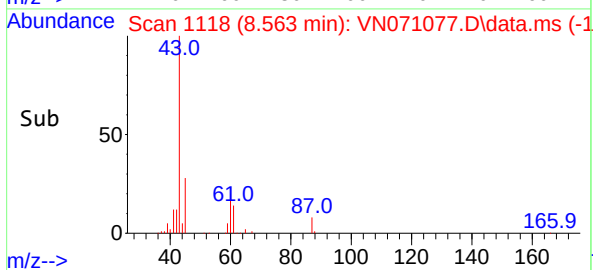
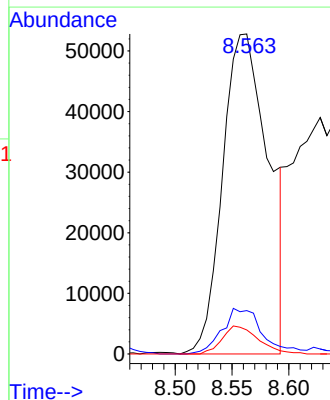
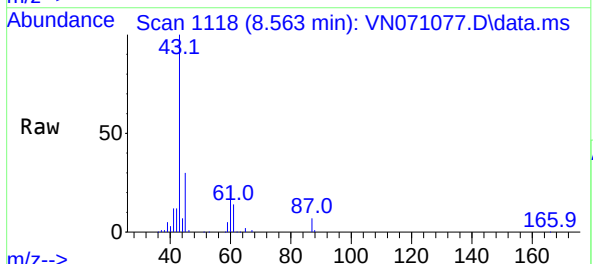
Instrument :
MSVOA_N
ClientSampleId :
TP-5

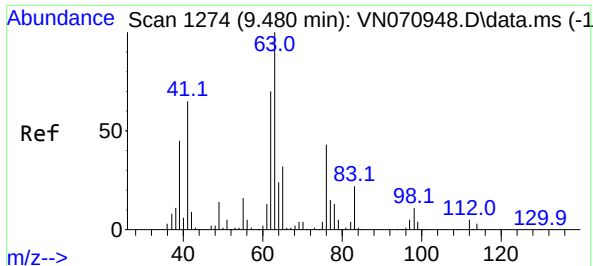
Tgt Ion:117 Resp: 79982
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.775 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 43 Resp: 148247
Ion Ratio Lower Upper
43 100
61 12.5 20.4 30.6#
87 6.9 11.2 16.8#

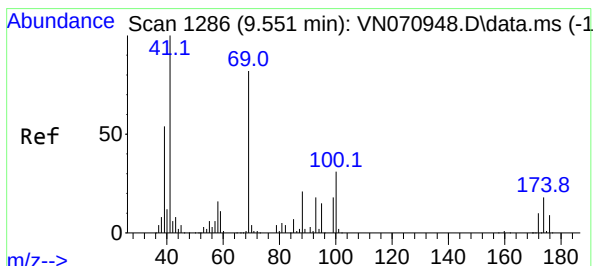
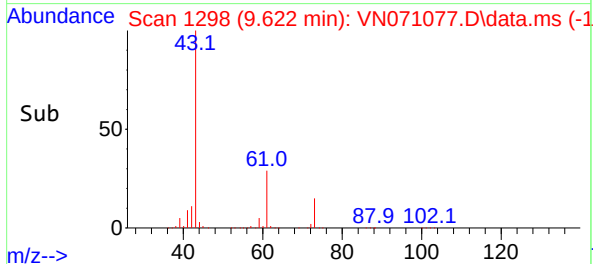
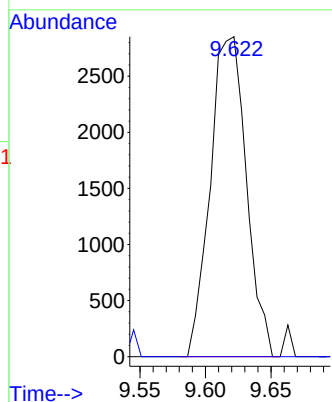
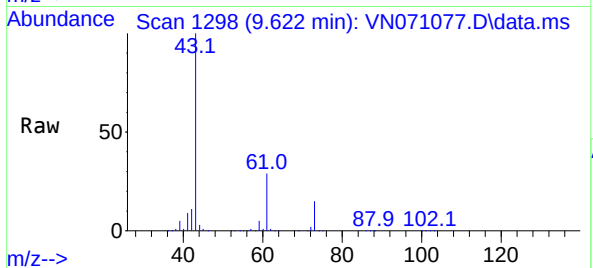




#45
1,2-Dichloropropane
Concen: 0.557 ug/l
RT: 9.622 min Scan# 11
Delta R.T. 0.141 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

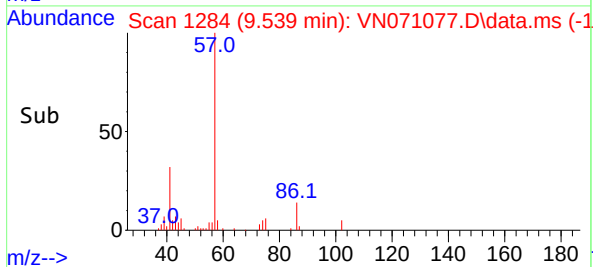
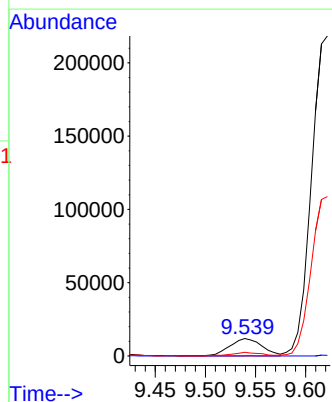
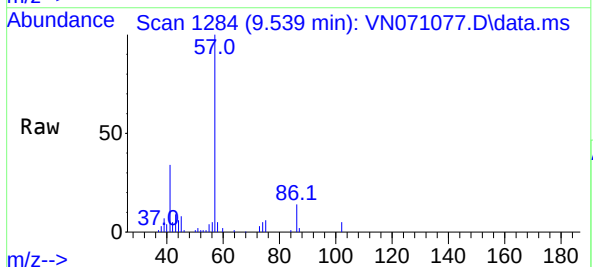
Instrument :
MSVOA_N
ClientSampleId :
TP-5

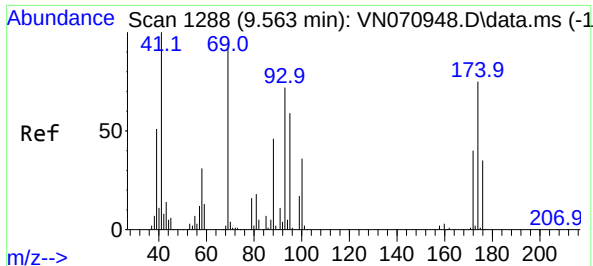
Tgt Ion: 63 Resp: 5467
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 2.593 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 41 Resp: 26858
Ion Ratio Lower Upper
41 100
69 0.2 72.4 108.6#
39 0.0 58.4 87.6#

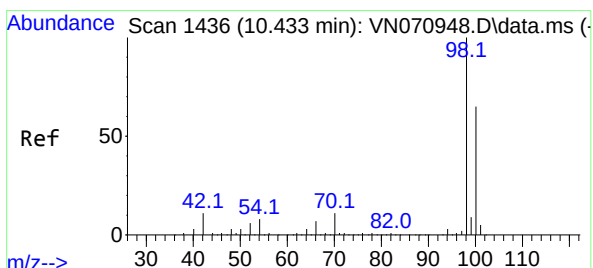
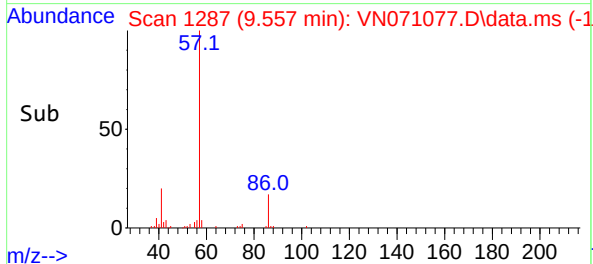
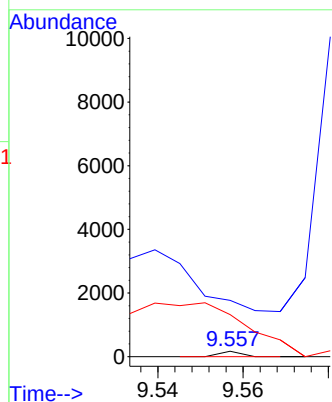
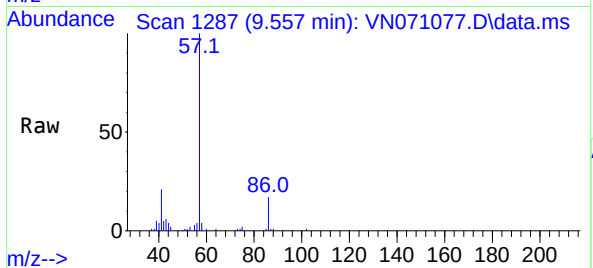




#49
1,4-Dioxane
Concen: 0.332 ug/l
RT: 9.557 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

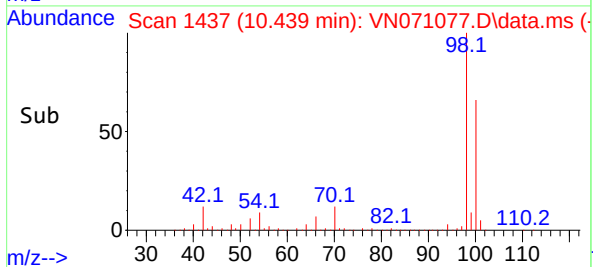
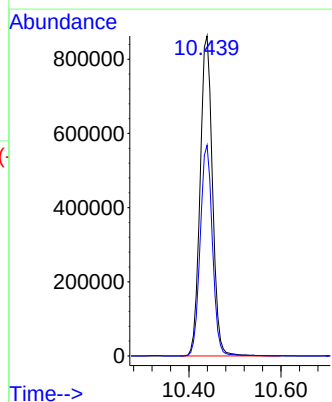
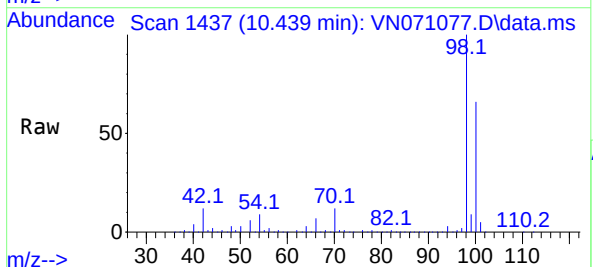
Instrument :
MSVOA_N
ClientSampleId :
TP-5

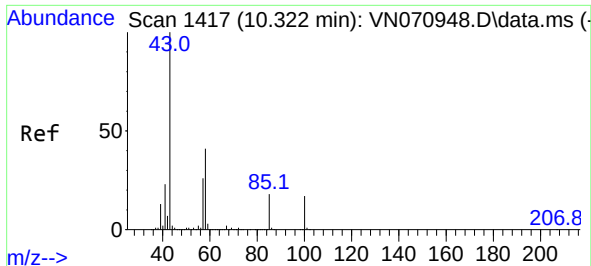
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 50.752 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 98 Resp: 1610352
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6

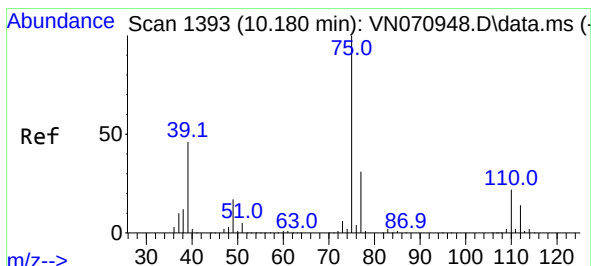
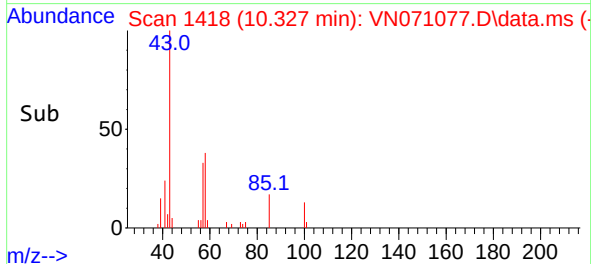
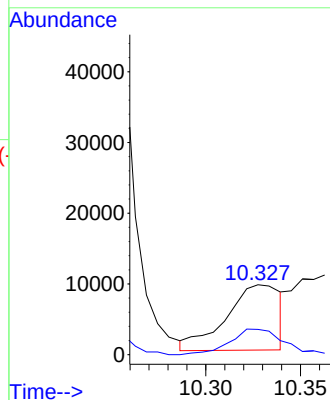
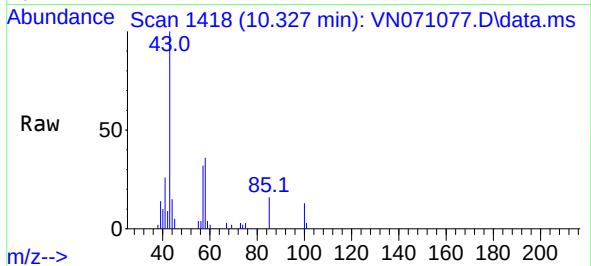




#51
4-Methyl-2-Pentanone
Concen: 1.388 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

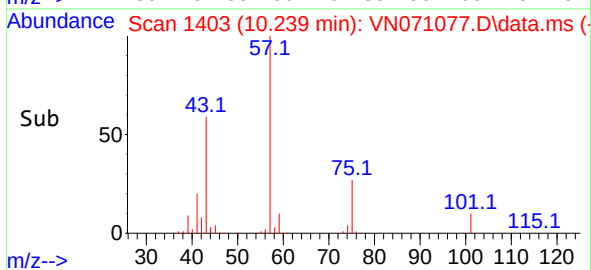
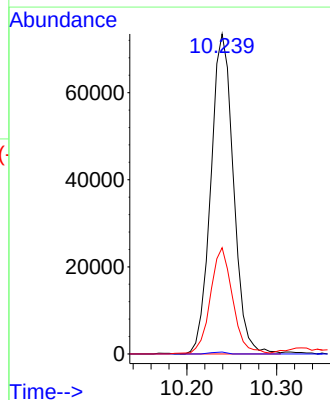
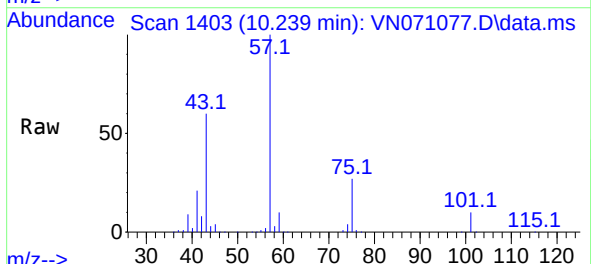
Instrument :
MSVOA_N
ClientSampleId :
TP-5

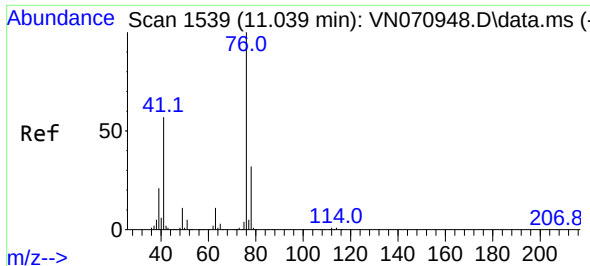
Tgt Ion: 43 Resp: 18478
Ion Ratio Lower Upper
43 100
58 38.8 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 8.268 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.059 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 75 Resp: 128803
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 33.0 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.463 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071077.D

Acq: 25 Feb 2022 18:10

Instrument :

MSVOA_N

ClientSampleId :

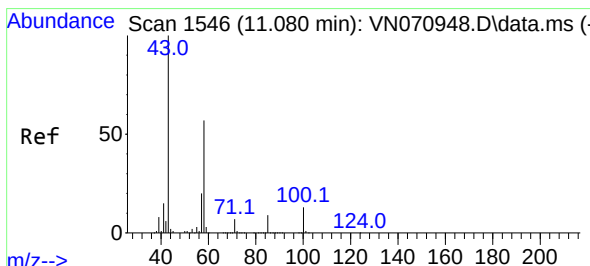
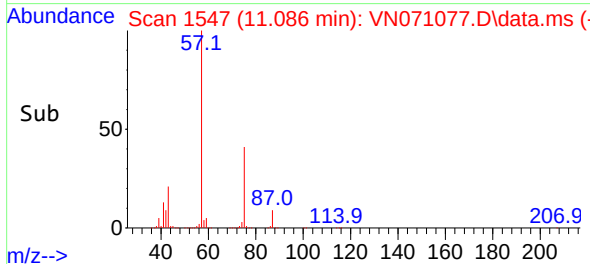
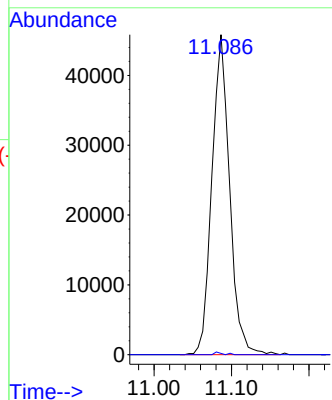
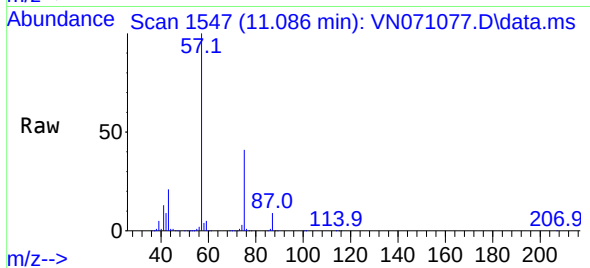
TP-5

Tgt Ion: 76 Resp: 72704

Ion Ratio Lower Upper

76 100

78 0.3 25.7 38.5#



#59

2-Hexanone

Concen: 122.304 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071077.D

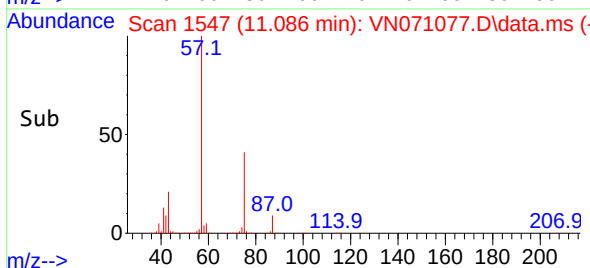
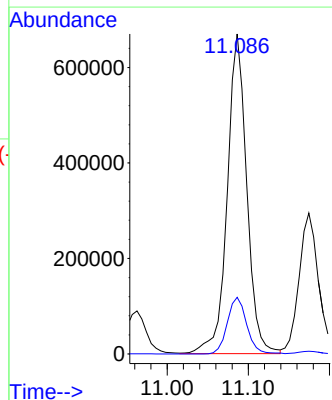
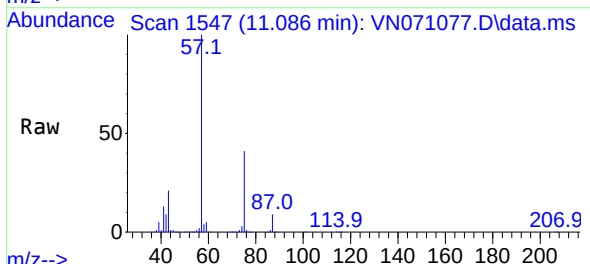
Acq: 25 Feb 2022 18:10

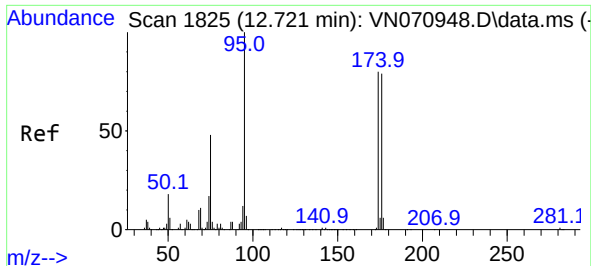
Tgt Ion: 43 Resp: 1119872

Ion Ratio Lower Upper

43 100

58 17.6 26.9 80.7#



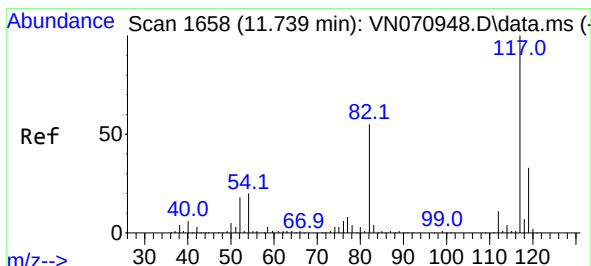
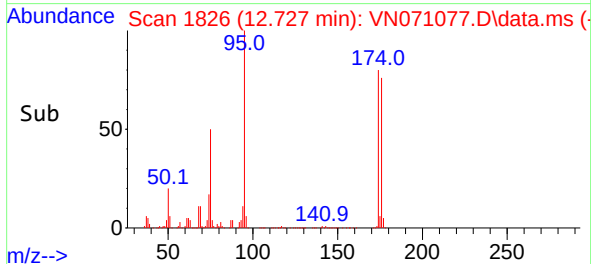
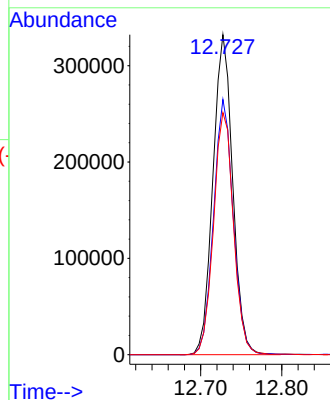
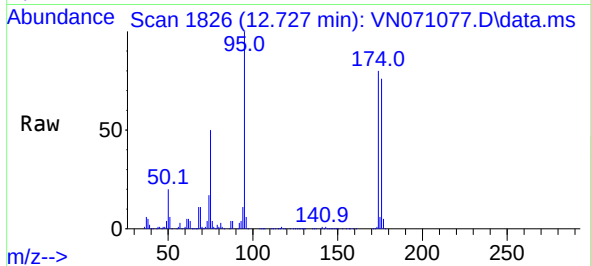


#62
4-Bromofluorobenzene
Concen: 49.460 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Tgt Ion: 95 Resp: 560961

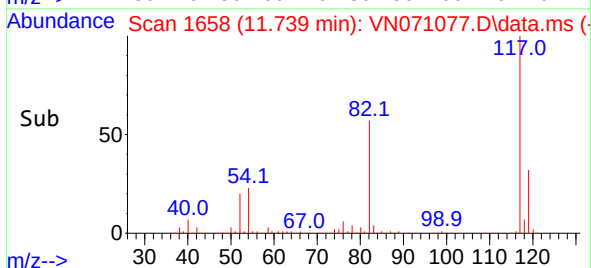
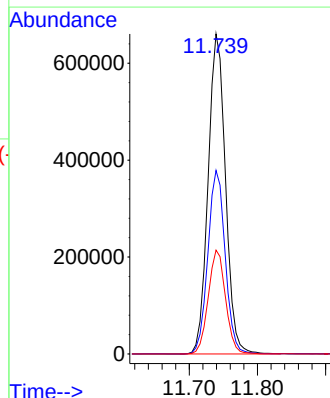
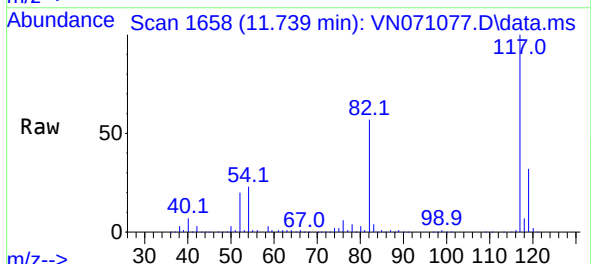
Ion	Ratio	Lower	Upper
95	100		
174	79.7	0.0	187.2
176	76.5	0.0	181.4

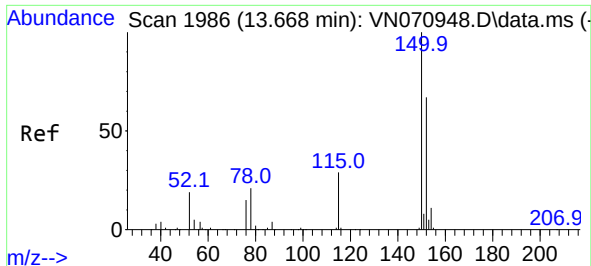


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 117 Resp: 1173763

Ion	Ratio	Lower	Upper
117	100		
82	57.4	42.4	63.6
119	32.5	25.4	38.2

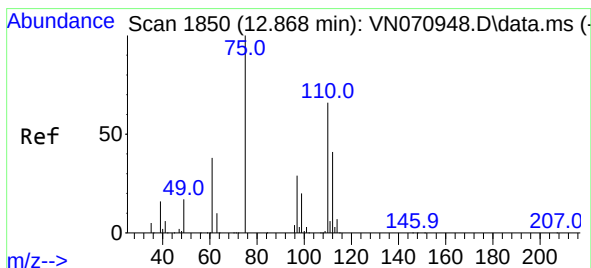
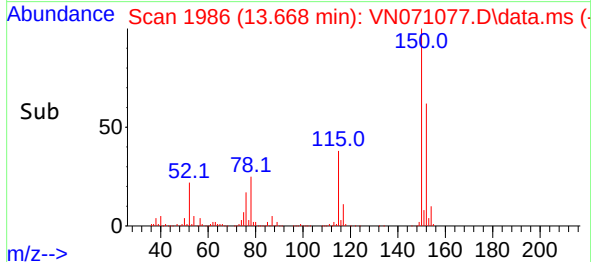
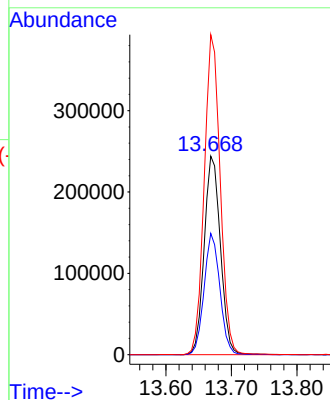
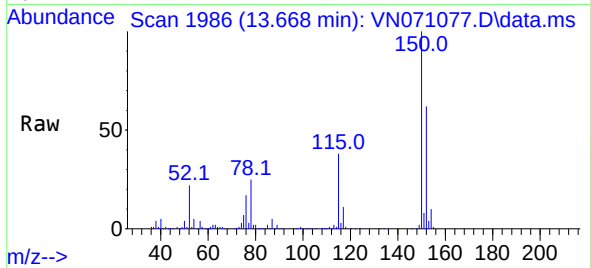




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

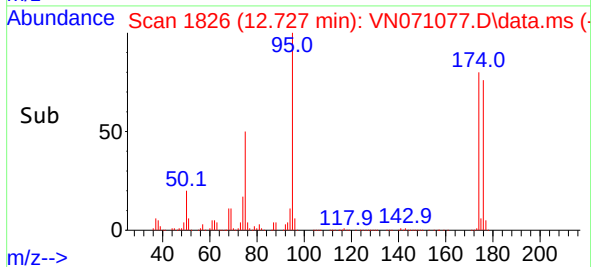
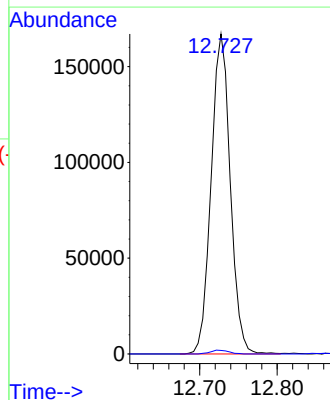
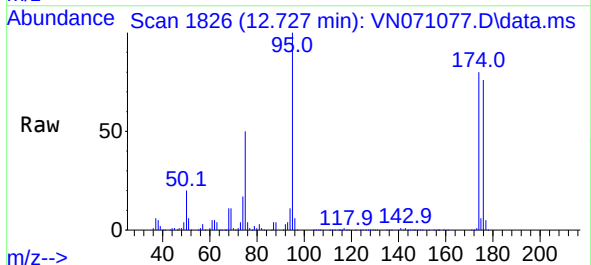
Instrument :
MSVOA_N
ClientSampleId :
TP-5

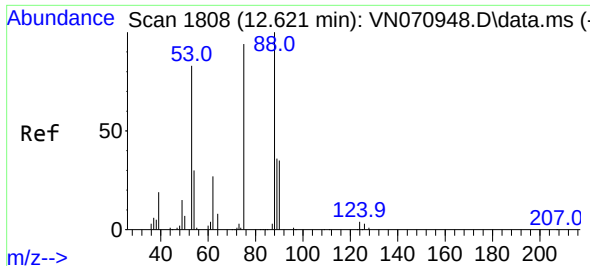
Tgt Ion:152 Resp: 420704
Ion Ratio Lower Upper
152 100
115 59.4 27.5 82.5
150 159.0 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 28.903 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 75 Resp: 286298
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

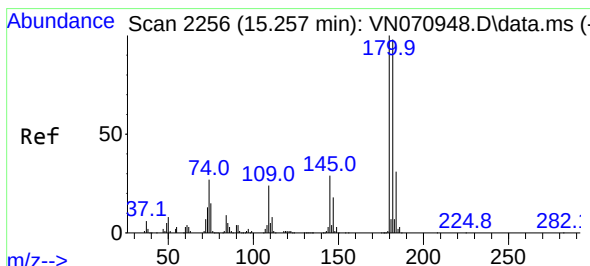
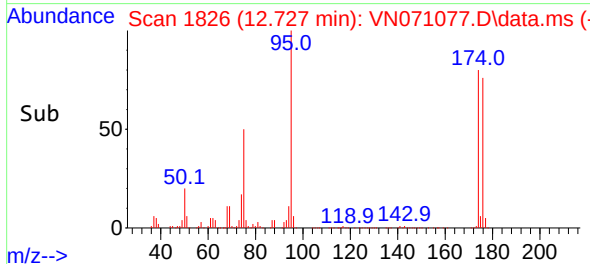
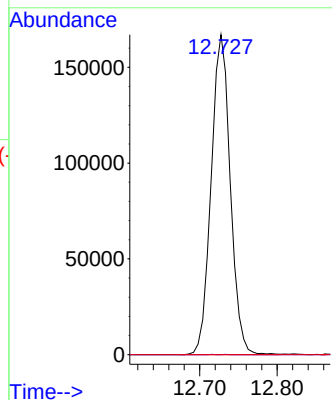
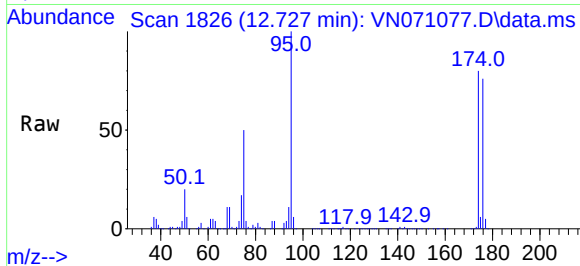




#81
trans-1,4-Dichloro-2-butene
Concen: 93.659 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

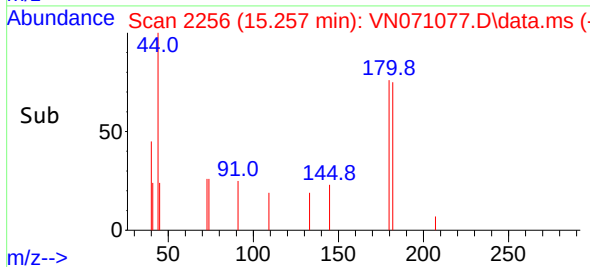
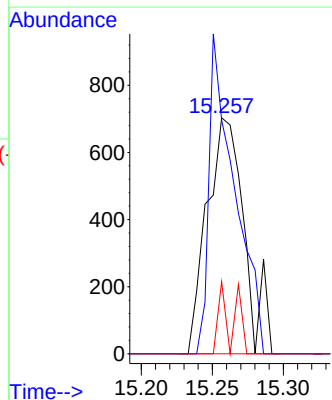
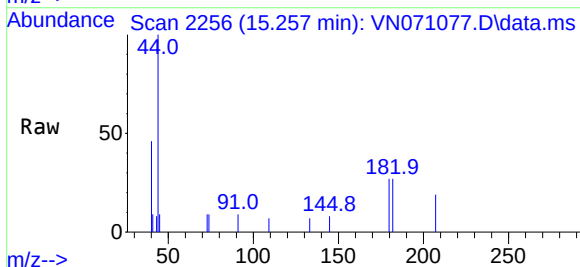
Instrument :
MSVOA_N
ClientSampleId :
TP-5

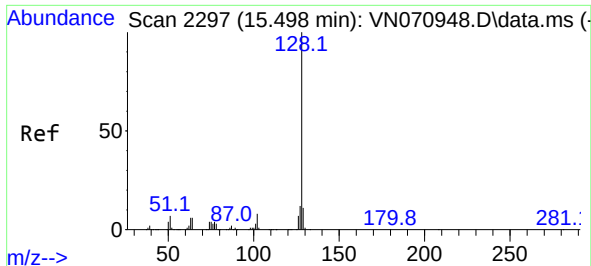
Tgt Ion: 75 Resp: 286298
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.158 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion: 180 Resp: 1281
Ion Ratio Lower Upper
180 100
182 92.5 48.3 144.9
145 11.6 14.5 43.5#

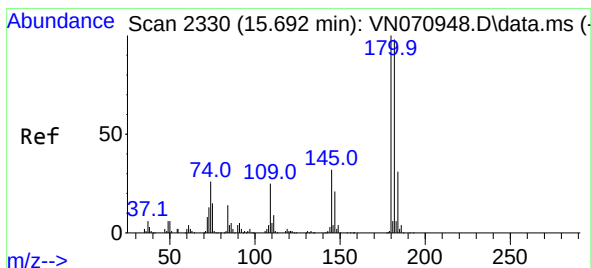
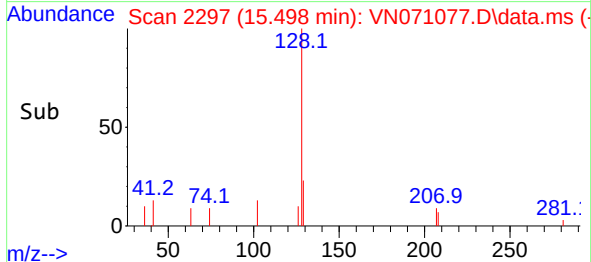
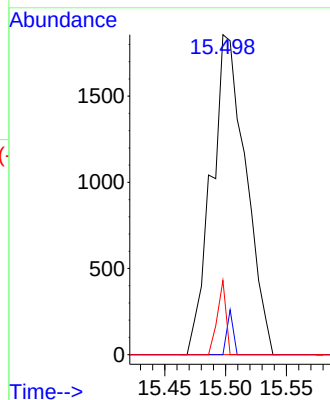
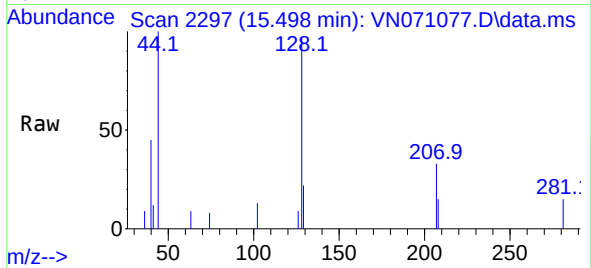




#95
Naphthalene
Concen: 5.164 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Tgt Ion:128 Resp: 3650
Ion Ratio Lower Upper
128 100
127 2.5 10.5 15.7#
129 5.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.668 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN071077.D
Acq: 25 Feb 2022 18:10

Tgt Ion:180 Resp: 1145
Ion Ratio Lower Upper
180 100
182 103.3 47.4 142.2
145 26.2 15.0 45.1

