

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112421\
 Data File : VY006878.D
 Acq On : 24 Nov 2021 15:01
 Operator : SY/MD
 Sample : VY1124SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1124SBL01

Quant Time: Nov 24 16:23:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 04:20:03 2021
 Response via : Initial Calibration

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

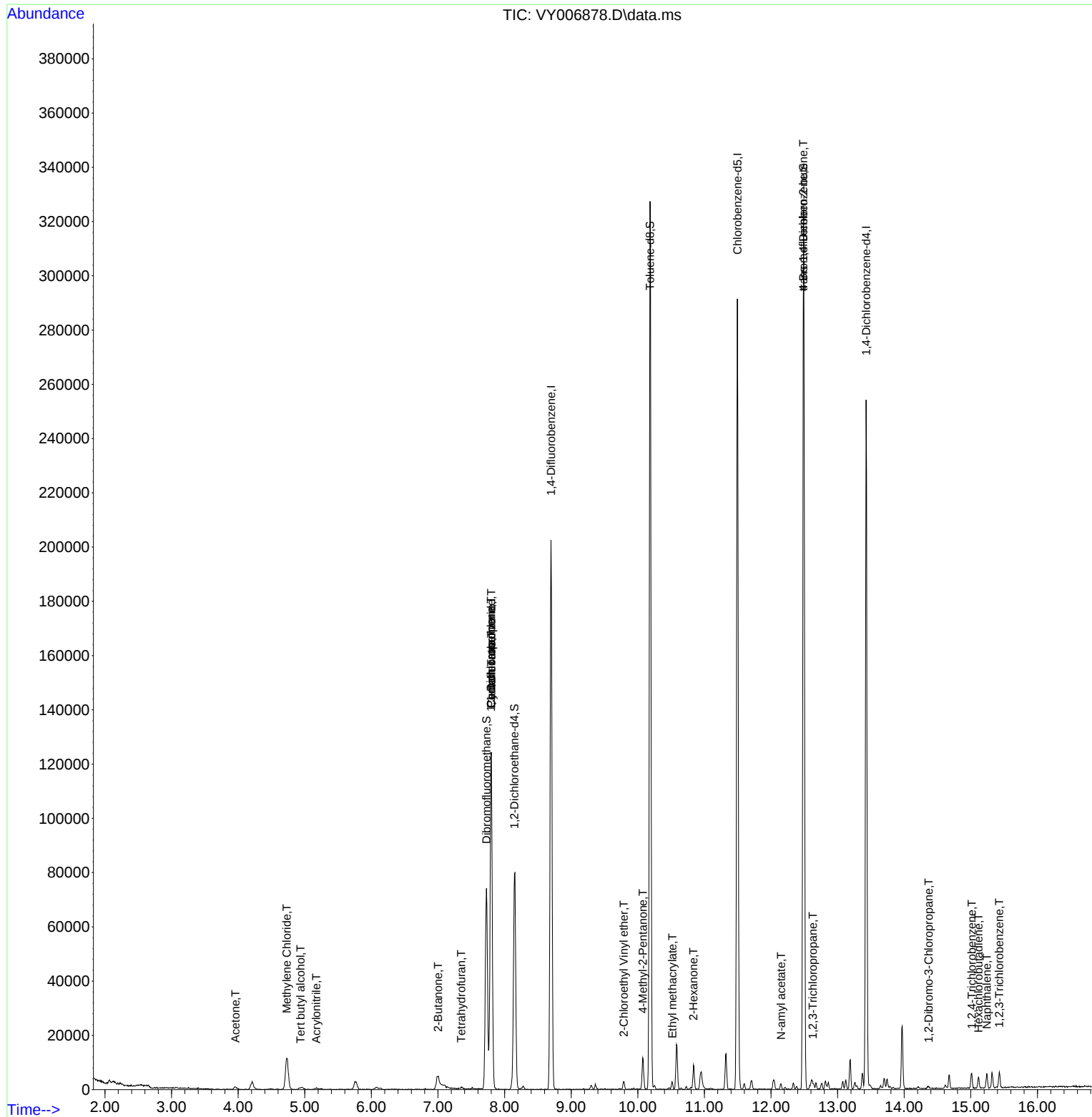
Internal Standards						
1) Pentafluorobenzene	7.801	168	93570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	159369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	150510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	59071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	66191	53.974	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.940%			
35) Dibromofluoromethane	7.728	113	49997	51.074	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.140%			
50) Toluene-d8	10.185	98	201835	49.825	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.660%			
62) 4-Bromofluorobenzene	12.483	95	62770	45.964	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.920%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	527	2.857	ug/l #	72
15) Acrylonitrile	5.174	53	684	2.070	ug/l #	84
16) Acetone	3.960	43	1906	5.115	ug/l	95
20) Methylene Chloride	4.728	84	7701	3.757	ug/l #	91
25) 2-Butanone	7.002	43	1785	14.643	ug/l #	82
29) Tetrahydrofuran	7.350	42	503	1.627	ug/l #	59
31) Cyclohexane	7.801	56	2486	1.153	ug/l #	41
36) 1,1-Dichloropropene	7.795	75	8231	4.752	ug/l #	49
38) Carbon Tetrachloride	7.801	117	9455	5.336	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	8095	7.074	ug/l	95
56) Ethyl methacrylate	10.520	69	1411	1.038	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.789	63	1158	1.555	ug/l #	87
59) 2-Hexanone	10.837	43	5753	30.014	ug/l	95
74) N-amyl acetate	12.154	43	1275	3.888	ug/l #	92
76) 1,2,3-Trichloropropane	12.630	75	1207	1.879	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	36983	114.103	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.367	75	331	2.250	ug/l	68
93) 1,2,4-Trichlorobenzene	15.013	180	1820	1.582	ug/l	99
94) Hexachlorobutadiene	15.117	225	804	1.071	ug/l	94
95) Naphthalene	15.239	128	4345	2.042	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	1841	1.921	ug/l	94

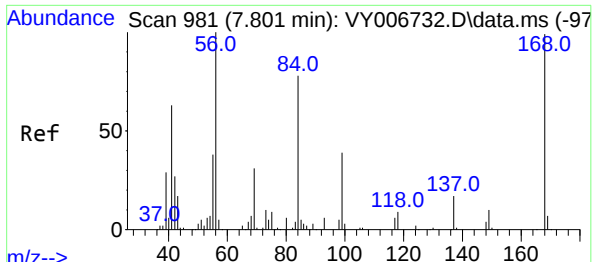
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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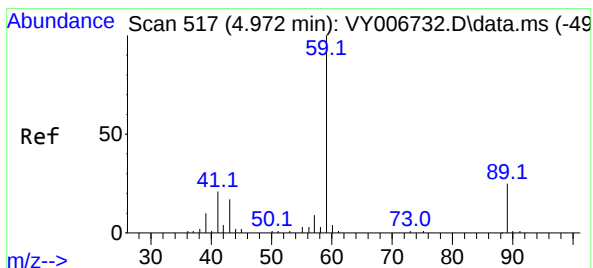
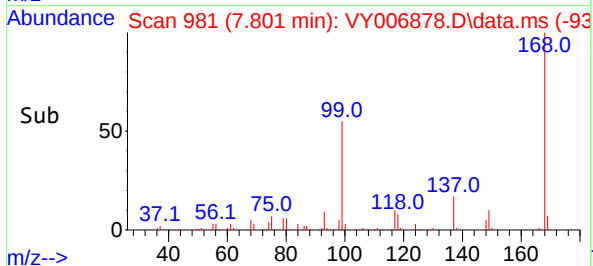
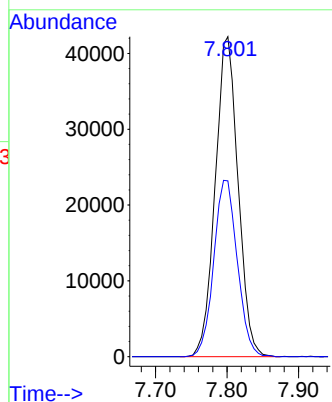
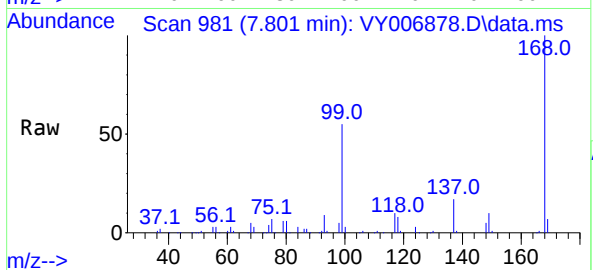




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

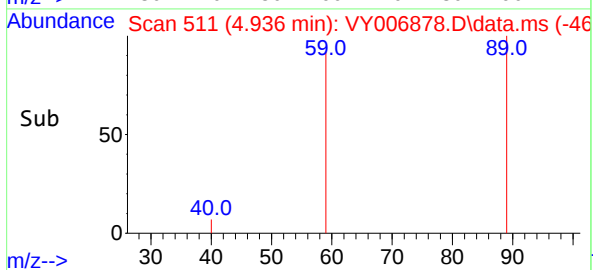
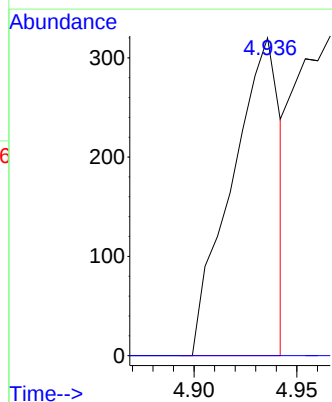
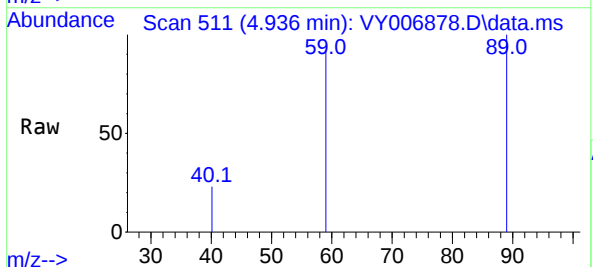
Instrument :
MSVOA_Y
ClientSampleId :
VY1124SBL01

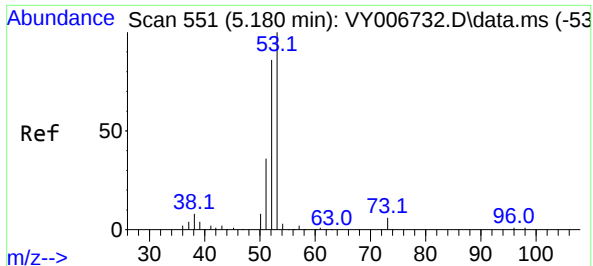
Tgt Ion:168 Resp: 93570
Ion Ratio Lower Upper
168 100
99 55.0 44.8 67.2



#11
Tert butyl alcohol
Concen: 2.857 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.036 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 59 Resp: 527
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

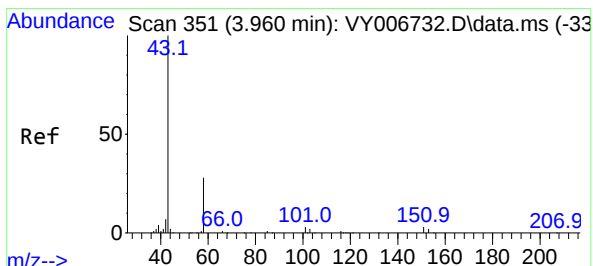
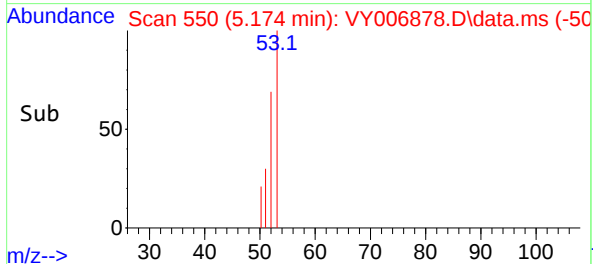
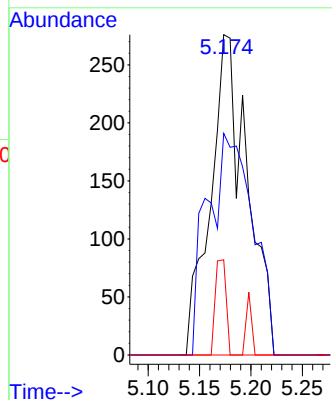
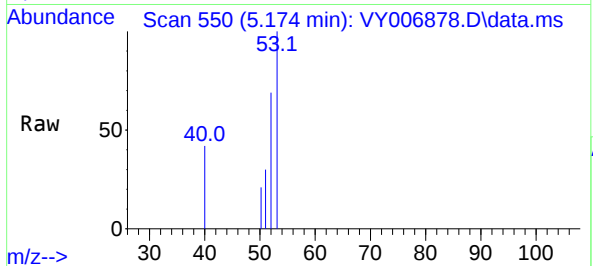




#15
Acrylonitrile
Concen: 2.070 ug/l
RT: 5.174 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

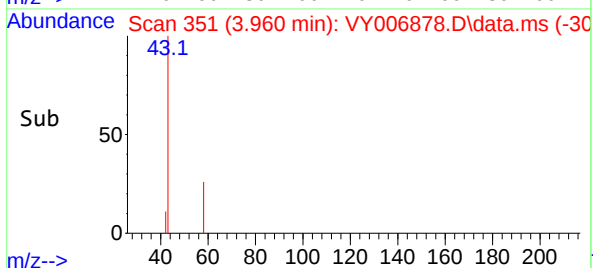
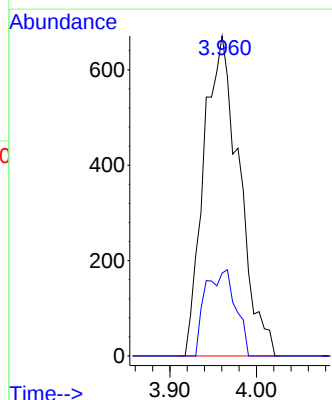
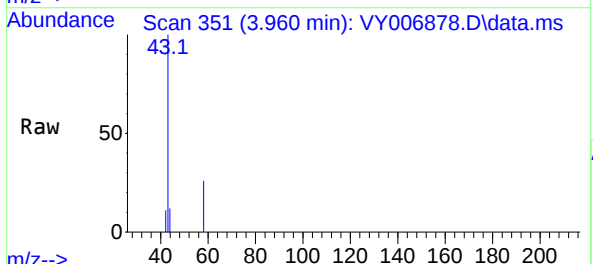
Instrument :
MSVOA_Y
ClientSampleId :
VY1124SBL01

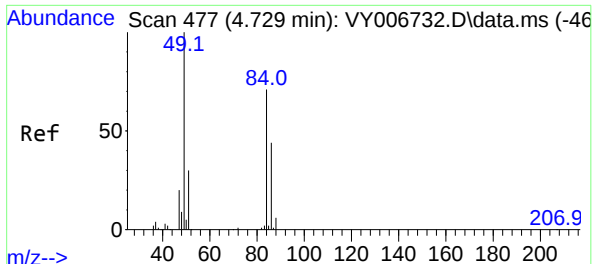
Tgt Ion: 53 Resp: 684
Ion Ratio Lower Upper
53 100
52 86.0 67.1 100.7
51 8.8 30.0 45.0#



#16
Acetone
Concen: 5.115 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
58 25.9 22.9 34.3

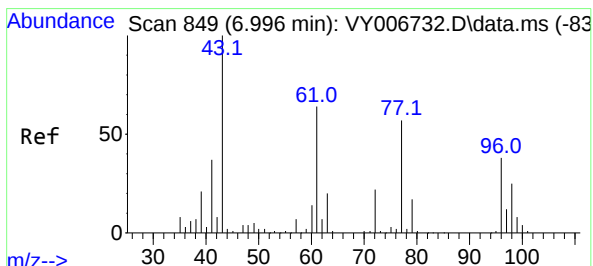
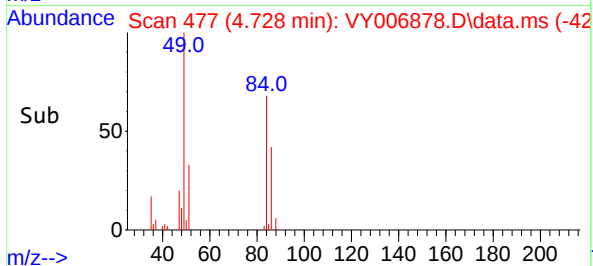
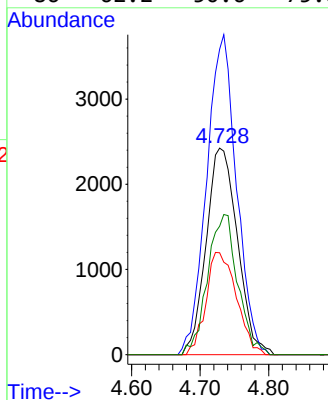
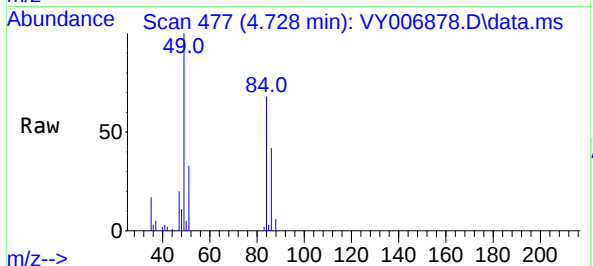




#20
Methylene Chloride
Concen: 3.757 ug/l
RT: 4.728 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

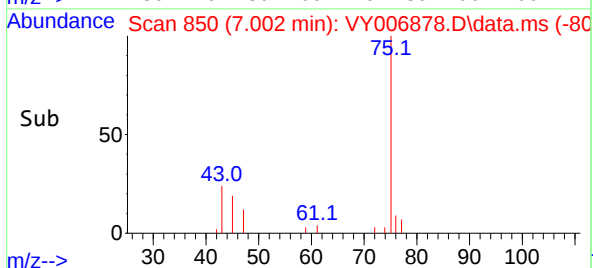
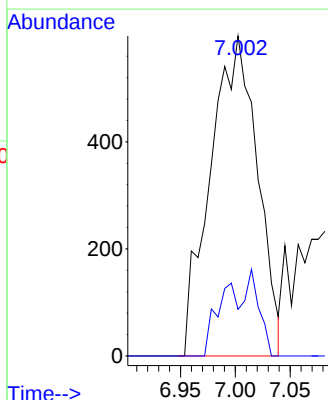
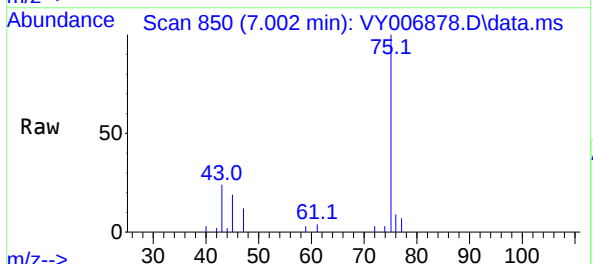
Instrument :
MSVOA_Y
ClientSampleId :
VY1124SBL01

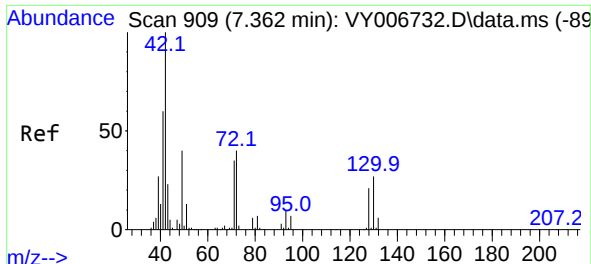
Tgt Ion: 84 Resp: 7701
Ion Ratio Lower Upper
84 100
49 147.9 107.8 161.8
51 49.4 32.8 49.2#
86 62.2 50.6 75.8



#25
2-Butanone
Concen: 14.643 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 43 Resp: 1785
Ion Ratio Lower Upper
43 100
72 14.5 18.9 28.3#





#29

Tetrahydrofuran

Concen: 1.627 ug/l

RT: 7.350 min Scan# 909

Delta R.T. -0.012 min

Lab File: VY006878.D

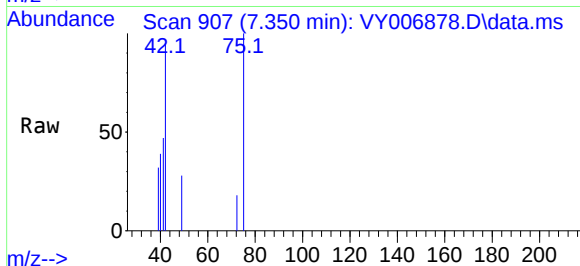
Acq: 24 Nov 2021 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1124SBL01



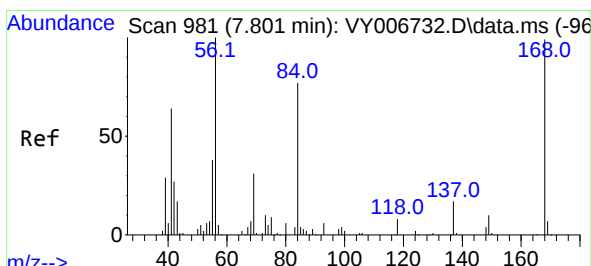
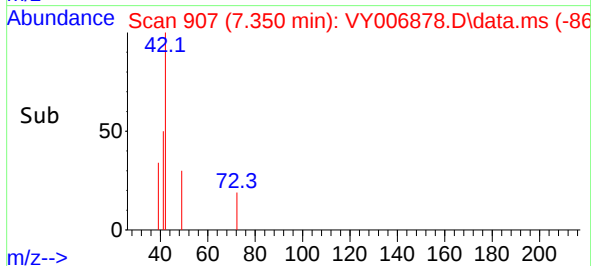
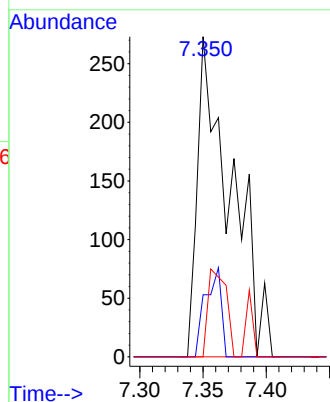
Tgt Ion: 42 Resp: 503

Ion Ratio Lower Upper

42 100

72 13.3 32.0 48.0#

71 14.9 30.3 45.5#



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY006878.D

Acq: 24 Nov 2021 15:01

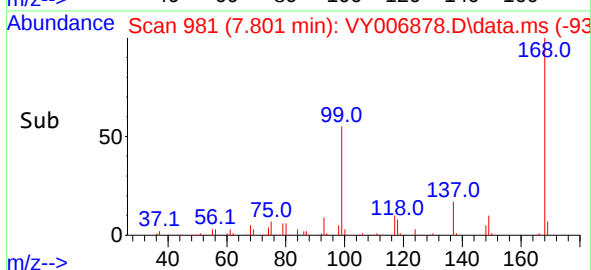
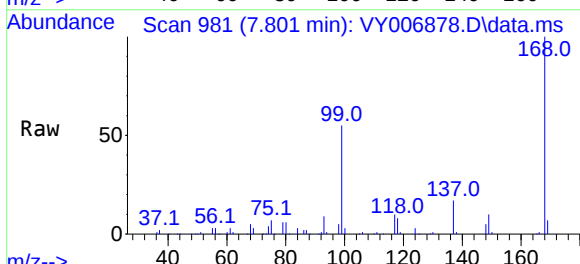
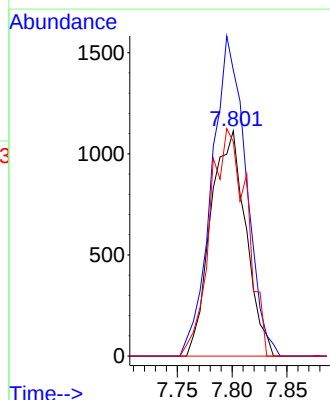
Tgt Ion: 56 Resp: 2486

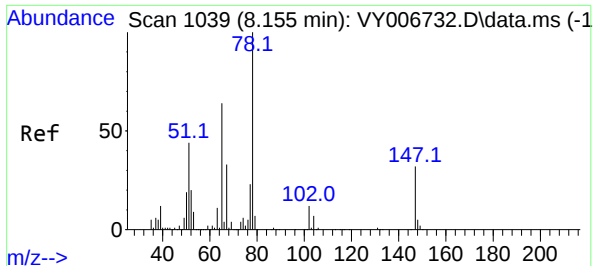
Ion Ratio Lower Upper

56 100

69 126.9 26.6 40.0#

84 95.2 65.0 97.4

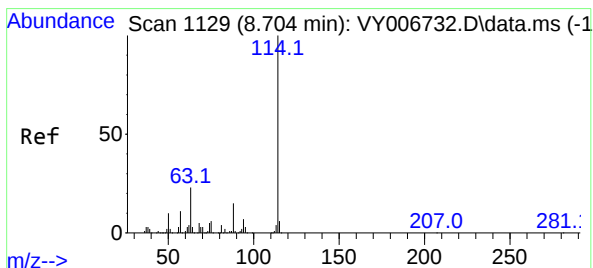
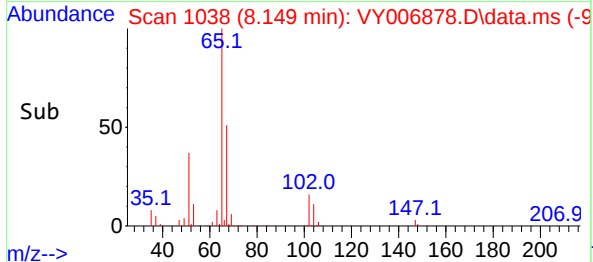
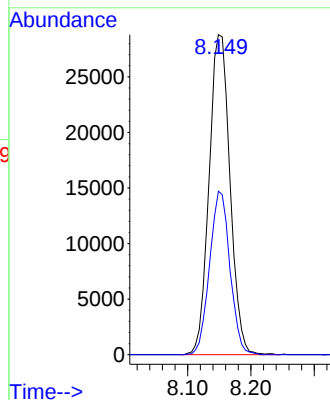
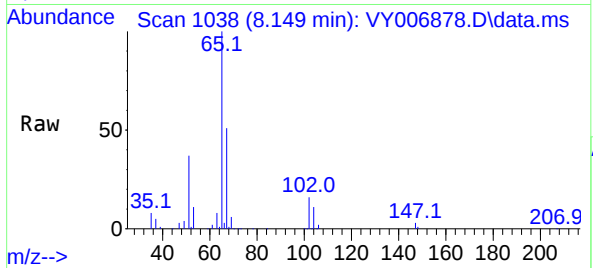




#33
1,2-Dichloroethane-d4
Concen: 53.974 ug/l
RT: 8.149 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

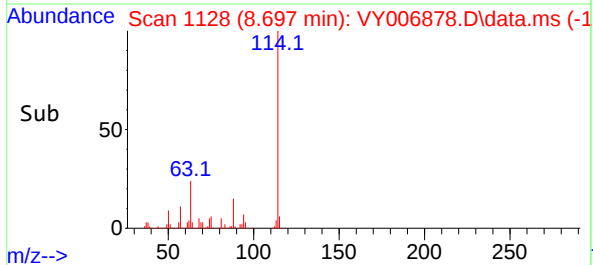
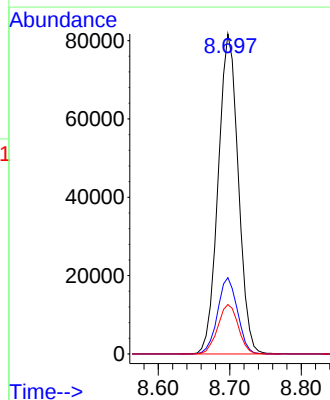
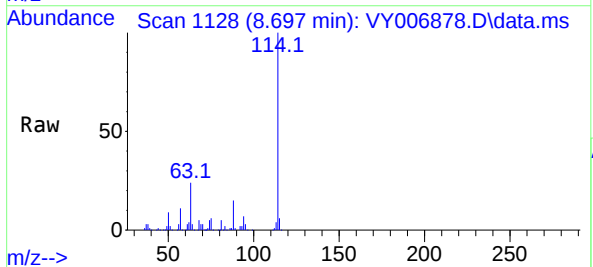
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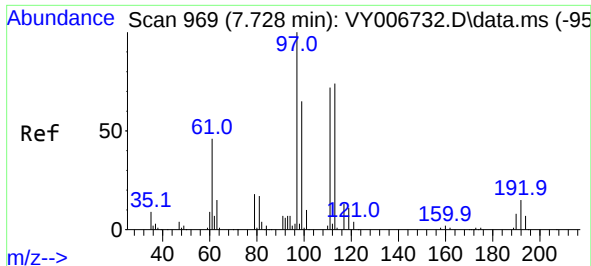
Tgt Ion: 65 Resp: 66191
Ion Ratio Lower Upper
65 100
67 49.6 0.0 98.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 114 Resp: 159369
Ion Ratio Lower Upper
114 100
63 23.9 0.0 45.0
88 15.4 0.0 30.6

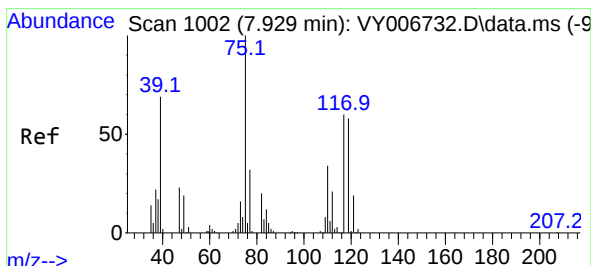
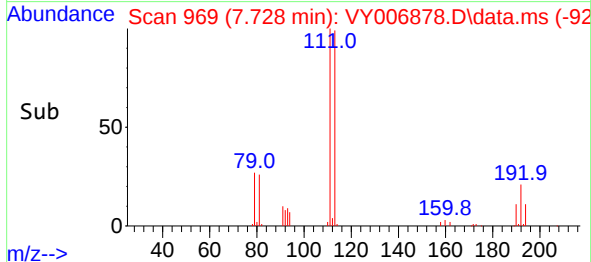
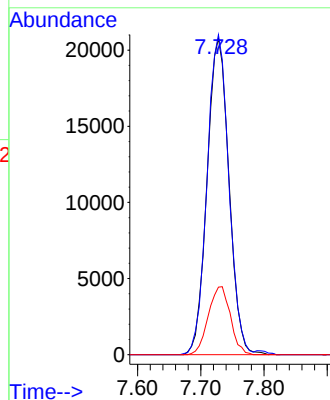
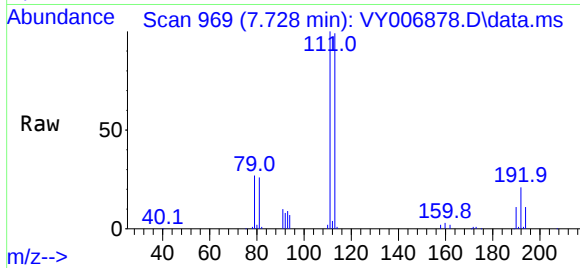




#35
Dibromofluoromethane
Concen: 51.074 ug/l
RT: 7.728 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

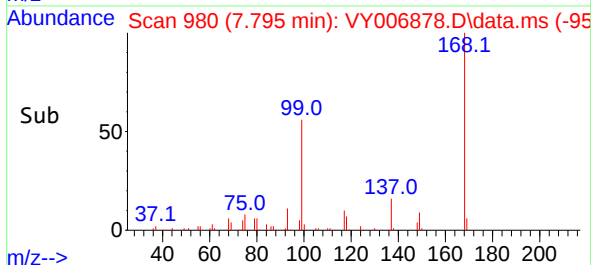
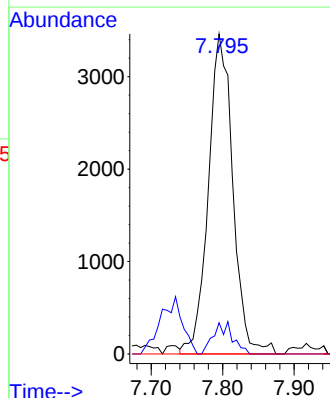
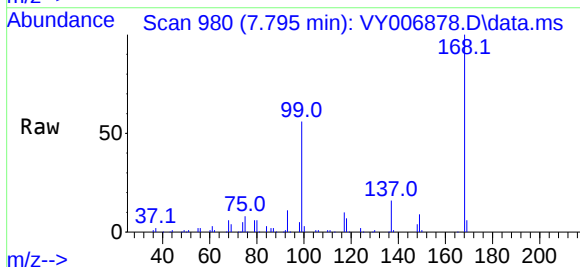
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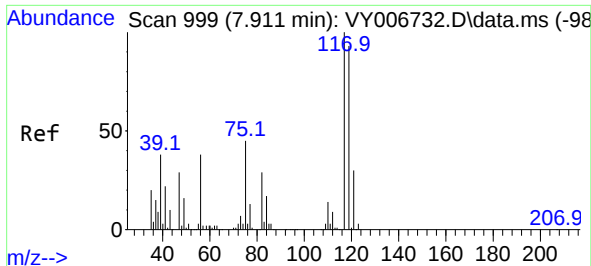
Tgt Ion:113 Resp: 49997
Ion Ratio Lower Upper
113 100
111 100.5 82.3 123.5
192 21.6 17.4 26.2



#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 75 Resp: 8231
Ion Ratio Lower Upper
75 100
110 7.8 17.1 51.3#
77 0.0 24.9 37.3#

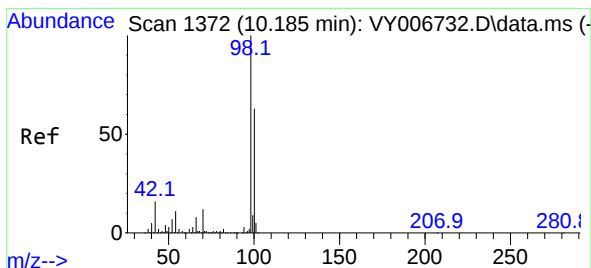
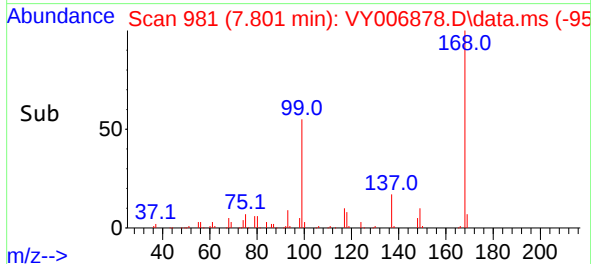
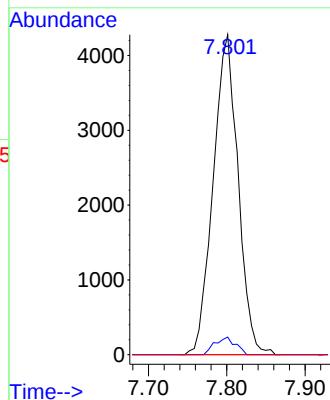
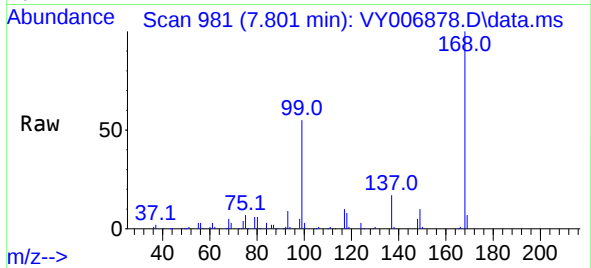




#38
Carbon Tetrachloride
Concen: 5.336 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

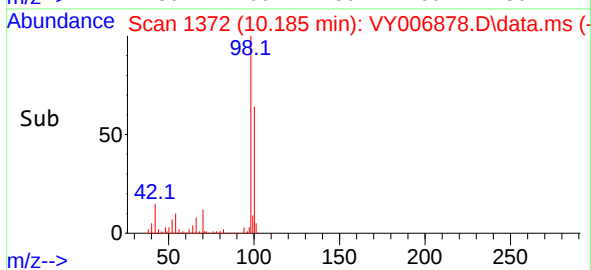
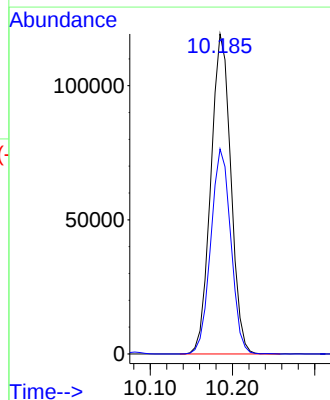
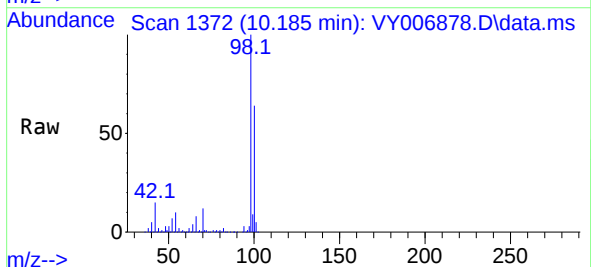
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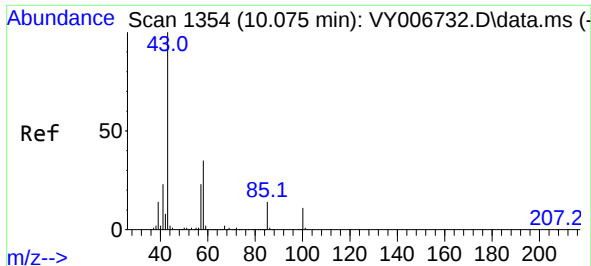
Tgt Ion:117 Resp: 9455
Ion Ratio Lower Upper
117 100
119 5.5 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.825 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 98 Resp: 201835
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3

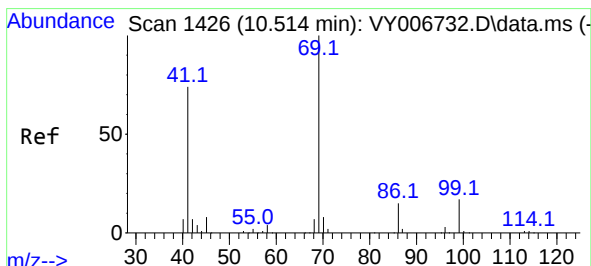
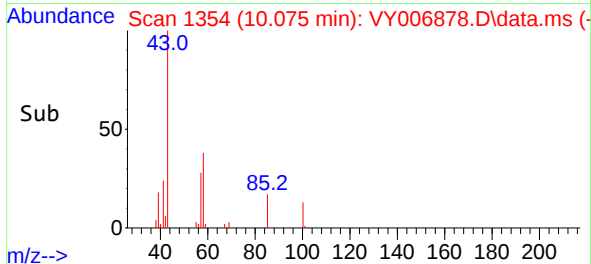
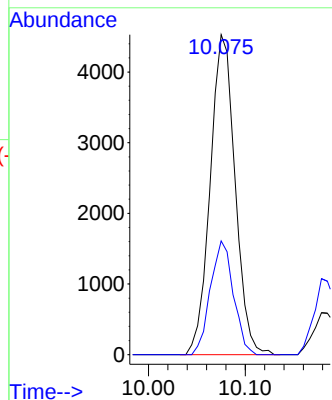
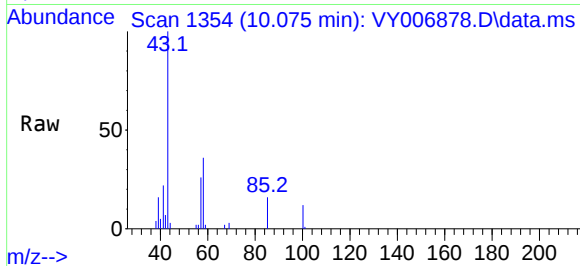




#51
4-Methyl-2-Pentanone
Concen: 7.074 ug/l
RT: 10.075 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

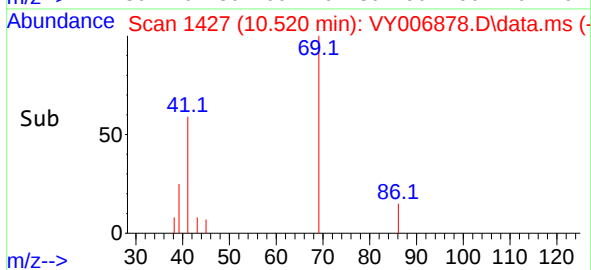
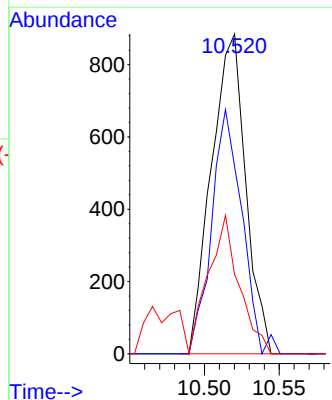
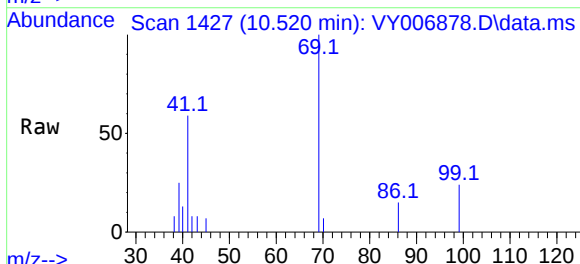
Instrument :
MSVOA_Y
ClientSampleId :
VY1124SBL01

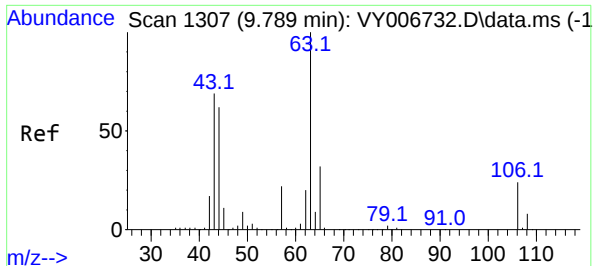
Tgt Ion: 43 Resp: 8095
Ion Ratio Lower Upper
43 100
58 32.9 28.7 43.1



#56
Ethyl methacrylate
Concen: 1.038 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 69 Resp: 1411
Ion Ratio Lower Upper
69 100
41 67.6 62.9 94.3
39 38.9 35.7 53.5

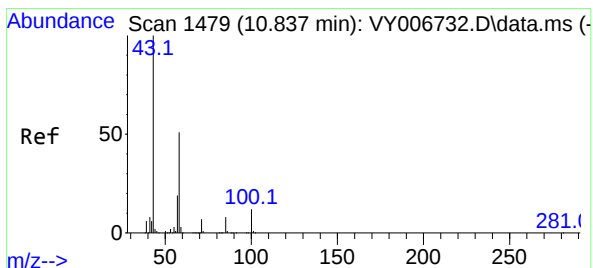
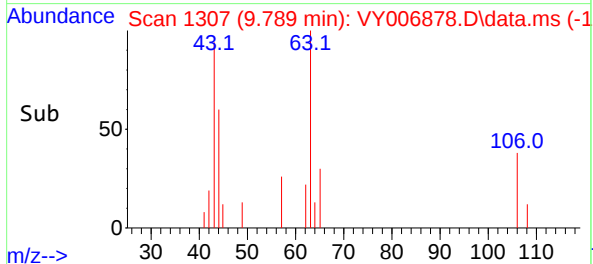
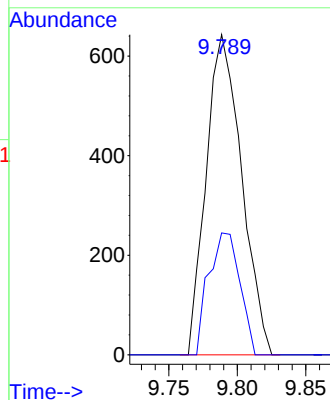
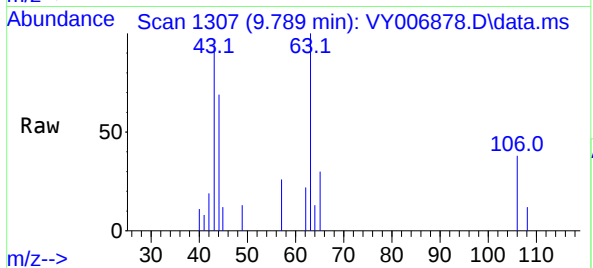




#58
2-Chloroethyl Vinyl ether
Concen: 1.555 ug/l
RT: 9.789 min Scan# 1158
Delta R.T. -0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

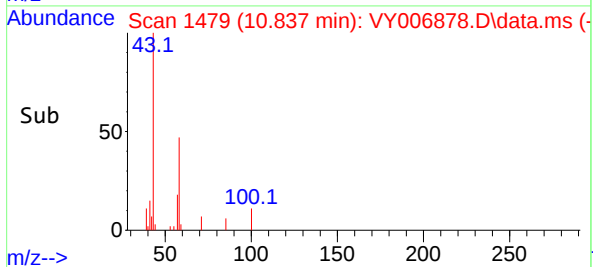
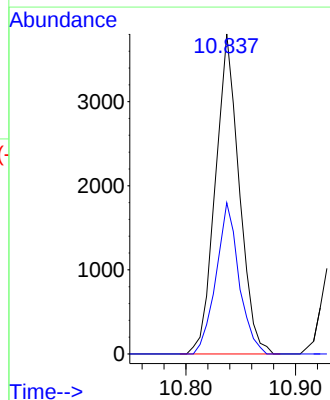
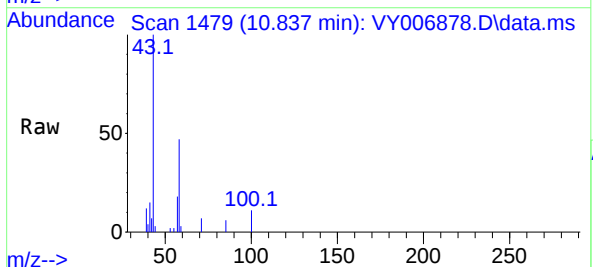
Instrument :
MSVOA_Y
ClientSampleId :
VY1124SBL01

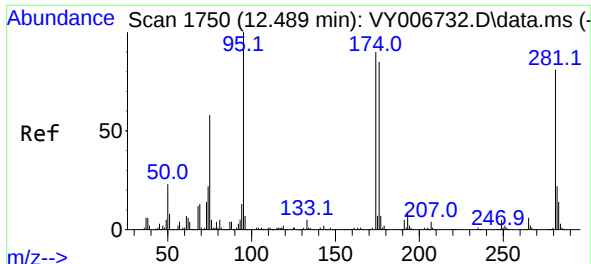
Tgt Ion: 63 Resp: 1158
Ion Ratio Lower Upper
63 100
106 33.4 21.4 32.2#



#59
2-Hexanone
Concen: 30.014 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 43 Resp: 5753
Ion Ratio Lower Upper
43 100
58 45.4 24.6 73.6

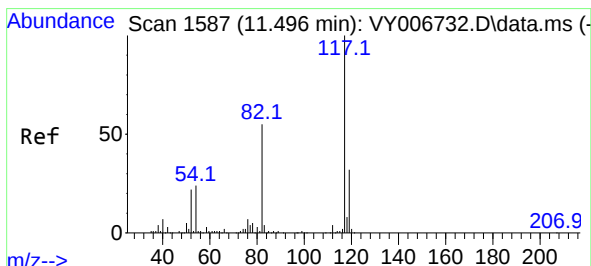
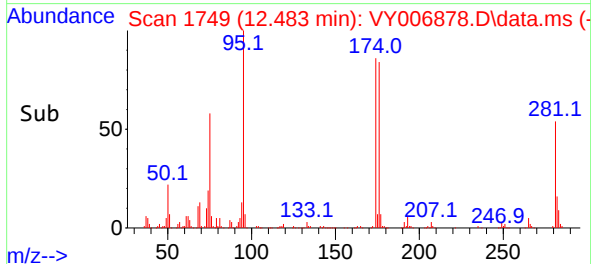
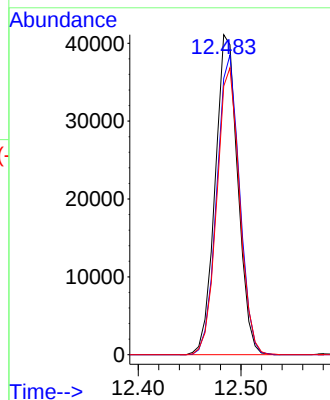
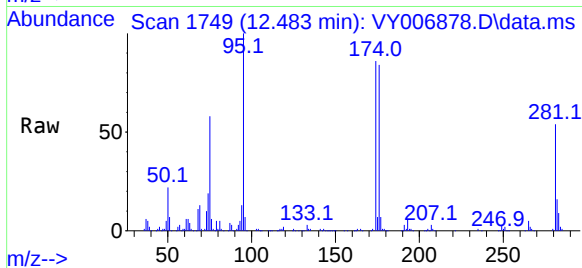




#62
4-Bromofluorobenzene
Concen: 45.964 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

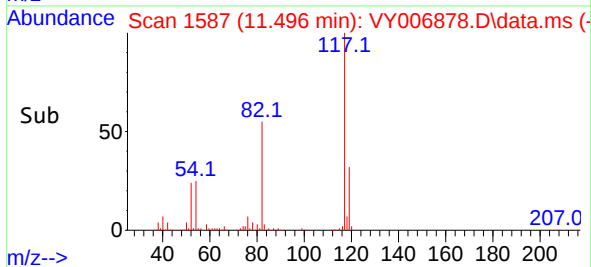
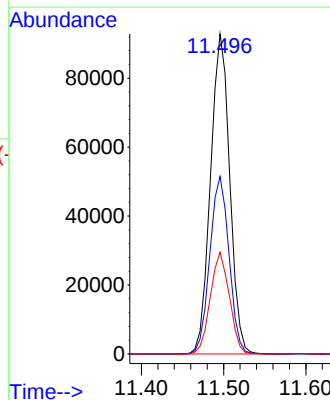
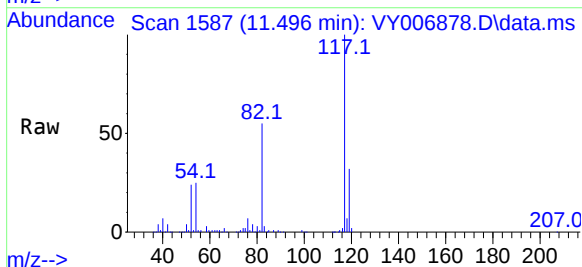
Instrument :
MSVOA_Y
ClientSampleId :
VY1124SBL01

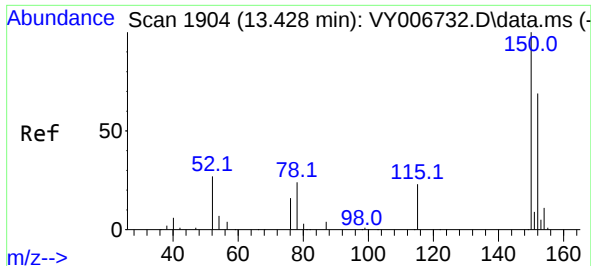
Tgt Ion: 95 Resp: 62770
Ion Ratio Lower Upper
95 100
174 93.7 0.0 177.0
176 90.2 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 117 Resp: 150510
Ion Ratio Lower Upper
117 100
82 55.5 45.7 68.5
119 31.8 25.5 38.3

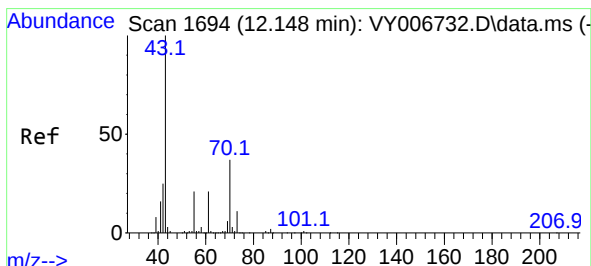
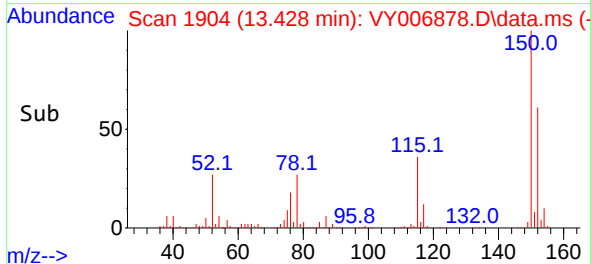
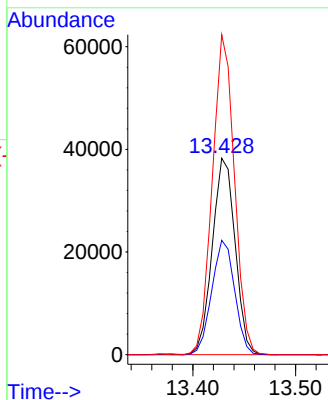
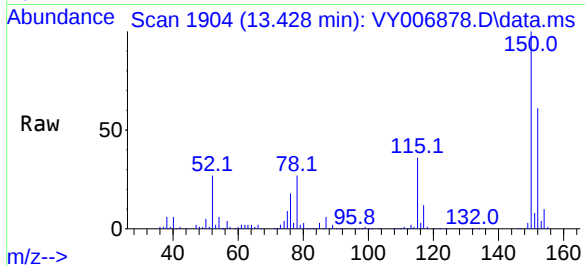




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

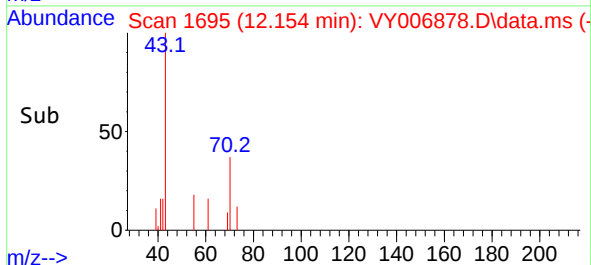
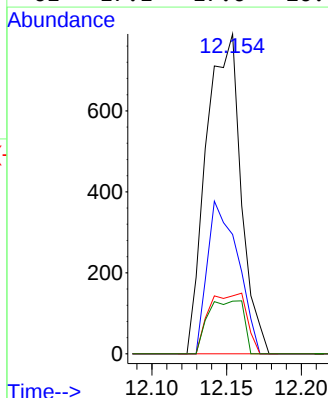
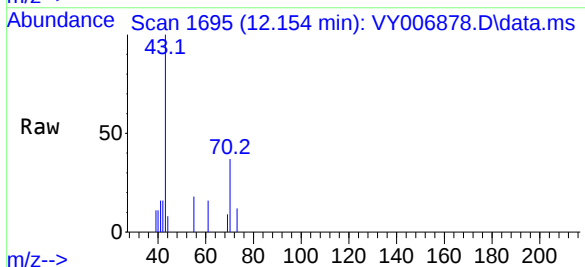
Instrument :
MSVOA_Y
ClientSampleId :
VY1124SBL01

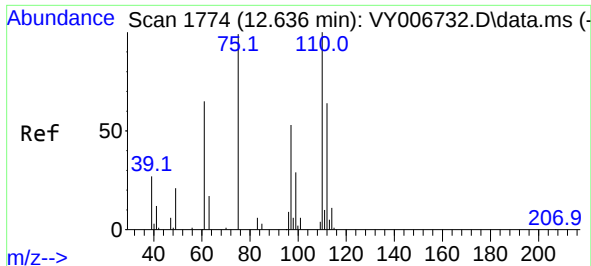
Tgt Ion:152 Resp: 59071
Ion Ratio Lower Upper
152 100
115 58.4 28.5 85.5
150 157.3 0.0 348.2



#74
N-ethyl acetate
Concen: 3.888 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 43 Resp: 1275
Ion Ratio Lower Upper
43 100
70 42.1 29.4 44.0
55 20.5 18.1 27.1
61 17.1 17.6 26.4

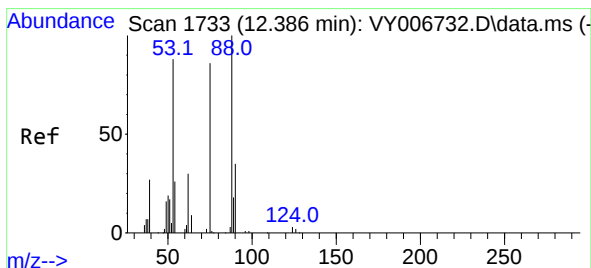
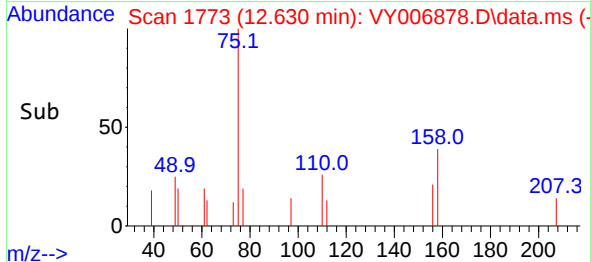
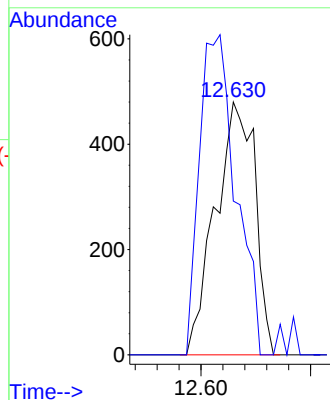
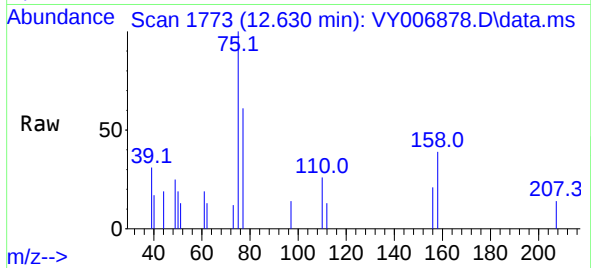




#76
1,2,3-Trichloropropane
Concen: 1.879 ug/l
RT: 12.630 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

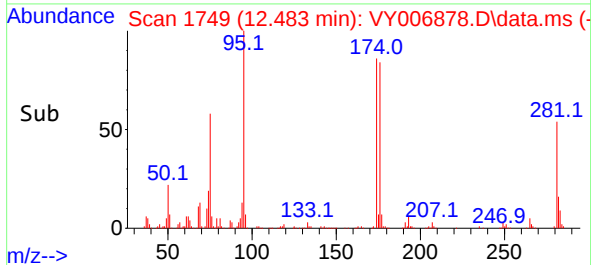
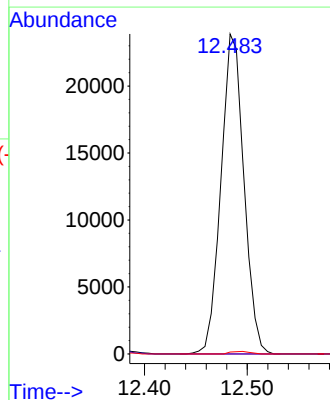
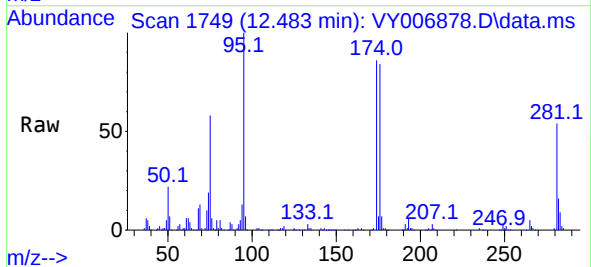
Instrument :
MSVOA_Y
ClientSampleId :
VY1124SBL01

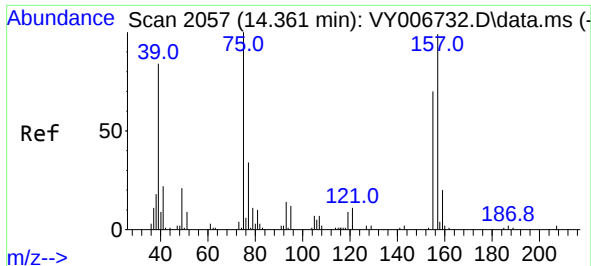
Tgt Ion: 75 Resp: 1207
Ion Ratio Lower Upper
75 100
77 116.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.103 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion: 75 Resp: 36983
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.7 39.3 58.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.250 ug/l

RT: 14.367 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY006878.D

Acq: 24 Nov 2021 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1124SBL01

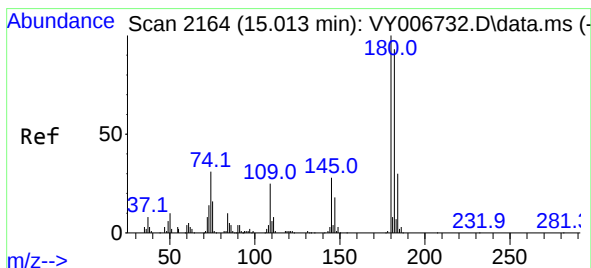
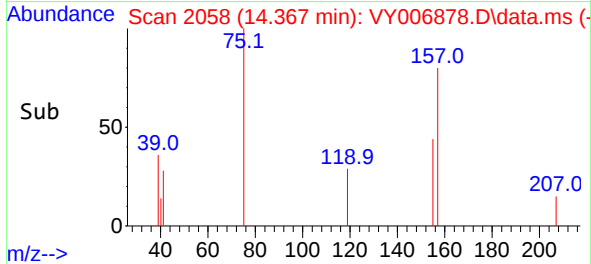
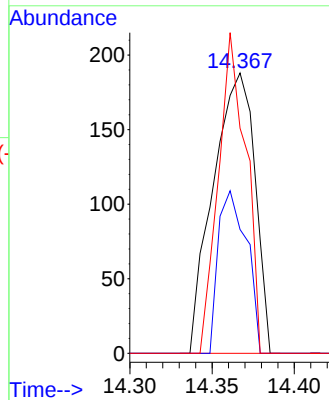
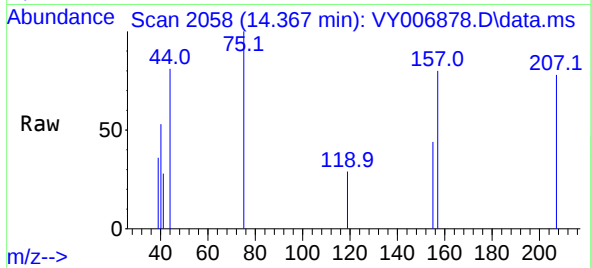
Tgt Ion: 75 Resp: 331

Ion Ratio Lower Upper

75 100

155 39.6 39.0 116.9

157 75.5 49.2 147.6



#93

1,2,4-Trichlorobenzene

Concen: 1.582 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. -0.000 min

Lab File: VY006878.D

Acq: 24 Nov 2021 15:01

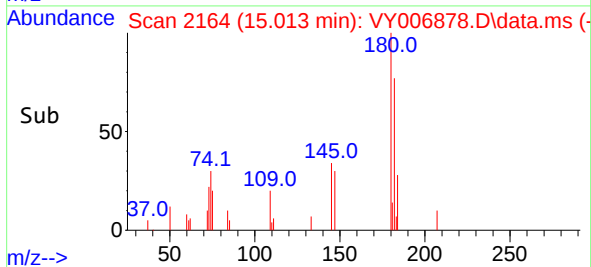
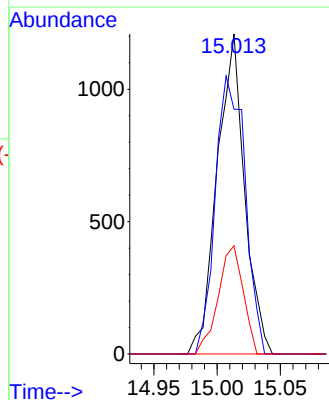
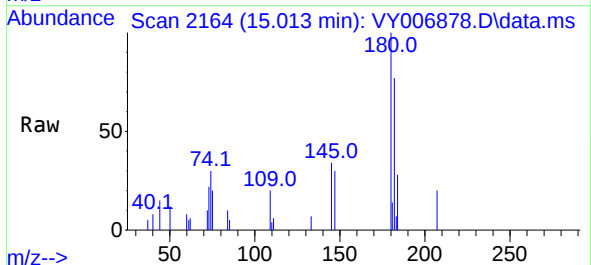
Tgt Ion: 180 Resp: 1820

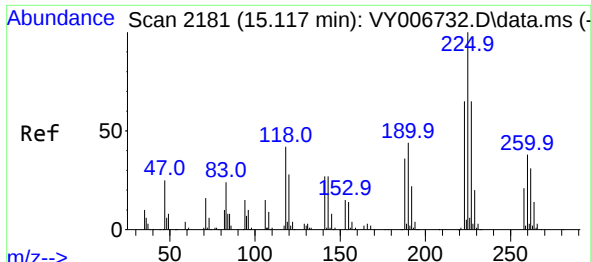
Ion Ratio Lower Upper

180 100

182 94.3 47.1 141.4

145 30.8 14.5 43.6

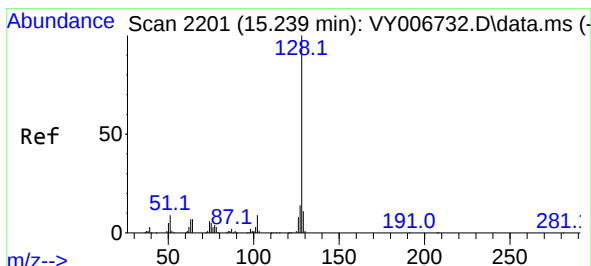
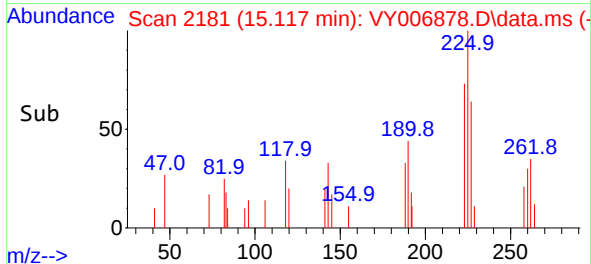
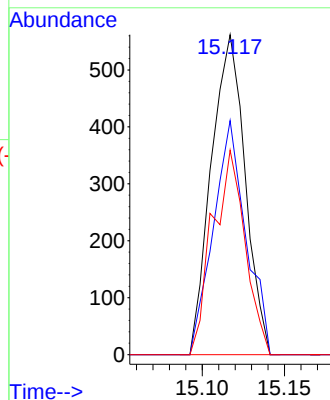
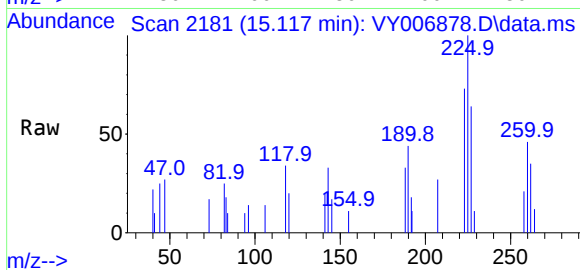




#94
Hexachlorobutadiene
Concen: 1.071 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

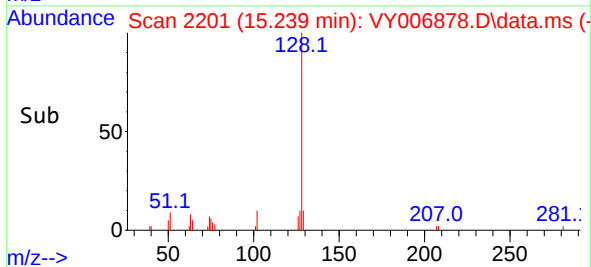
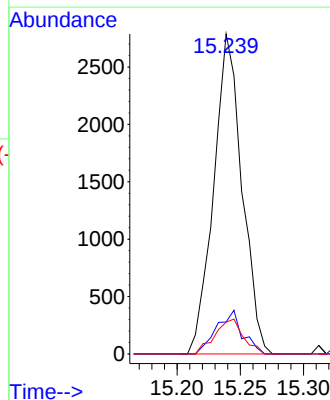
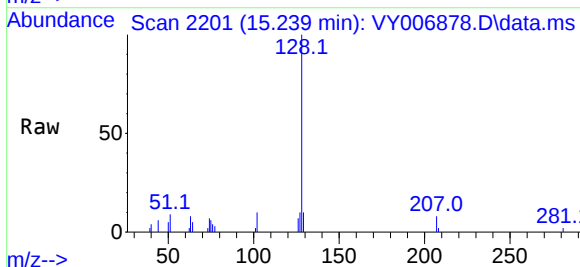
Instrument :
MSVOA_Y
ClientSampleId :
VY1124SBL01

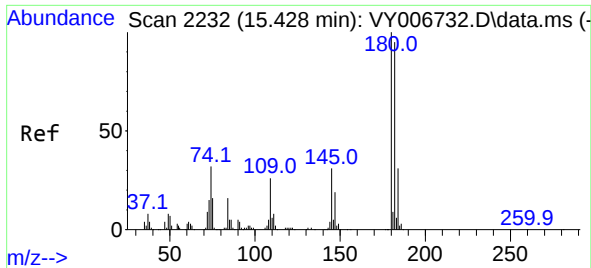
Tgt Ion:225 Resp: 804
Ion Ratio Lower Upper
225 100
223 70.5 31.6 94.7
227 61.3 31.9 95.9



#95
Naphthalene
Concen: 2.042 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY006878.D
Acq: 24 Nov 2021 15:01

Tgt Ion:128 Resp: 4345
Ion Ratio Lower Upper
128 100
127 12.5 11.0 16.4
129 10.9 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 1.921 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY006878.D
 Acq: 24 Nov 2021 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1124SBL01

Tgt Ion:	180	Resp:	1841
Ion	Ratio	Lower	Upper
180	100		
182	89.1	47.8	143.4
145	33.1	15.3	45.8

