

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011704.D
 Acq On : 05 Dec 2022 18:13
 Operator : KP/MD
 Sample : N5870-05RE
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ML-5RE

Quant Time: Dec 06 00:37:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

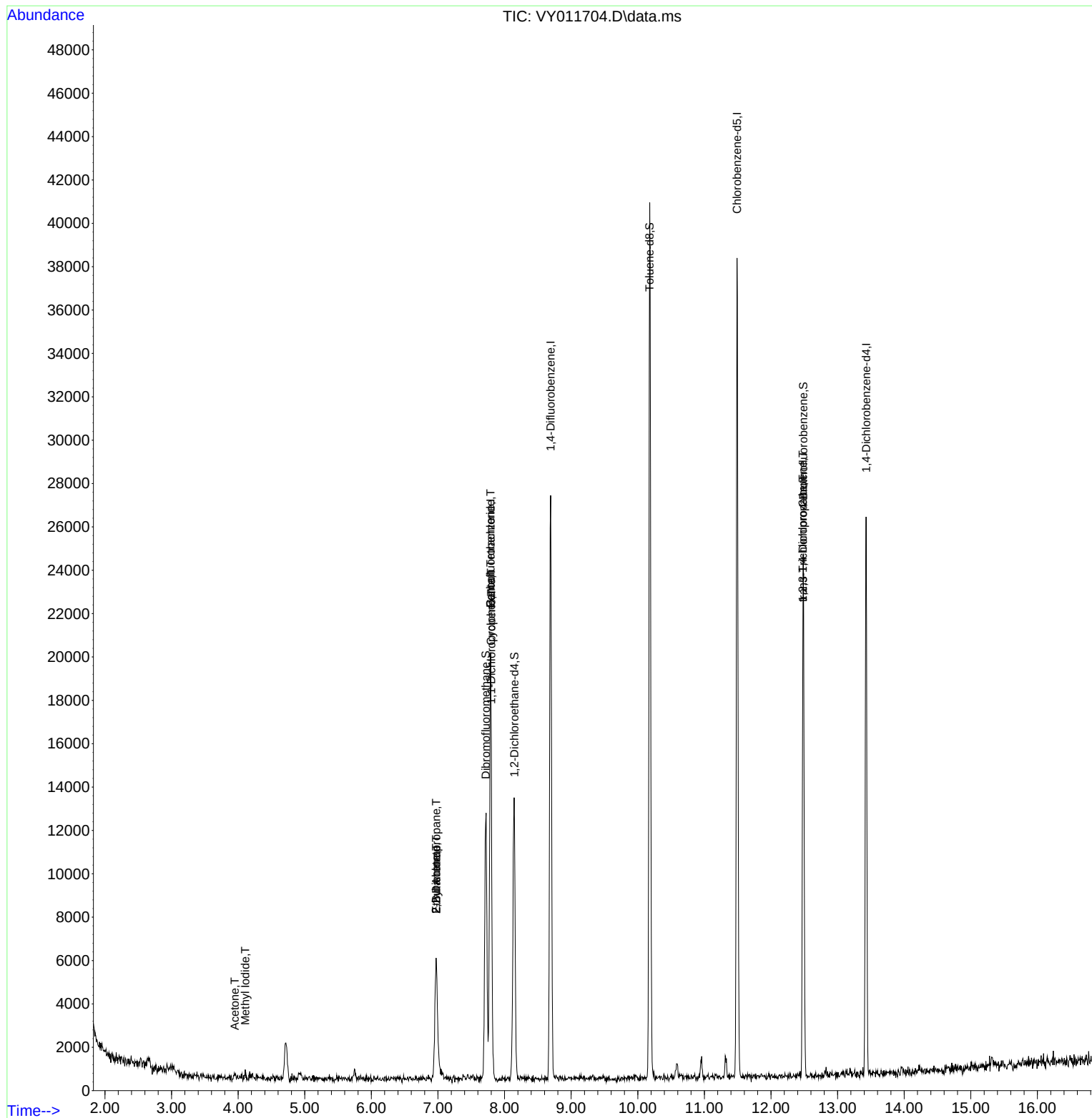
Internal Standards						
1) Pentafluorobenzene	7.789	168	15107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	23669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	21532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	10306	67.186	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.380%			
35) Dibromofluoromethane	7.716	113	8739	59.977	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.960%			
50) Toluene-d8	10.179	98	28727	54.255	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.520%			
62) 4-Bromofluorobenzene	12.483	95	7324	37.412	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 74.820%			
Target Compounds					Qvalue	
3) Chloromethane	2.125	50	103	Below Cal	#	44
5) Bromomethane	2.668	94	98	Below Cal	#	81
10) Methyl Iodide	4.107	142	243	1.439	ug/l #	35
11) Tert butyl alcohol	4.954	59	91	Below Cal	#	77
16) Acetone	3.948	43	286	5.740	ug/l #	47
20) Methylene Chloride	4.710	84	1343	Below Cal	#	72
25) 2-Butanone	6.972	43	180	2.749	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	285	1.034	ug/l #	55
31) Cyclohexane	7.795	56	315	1.239	ug/l #	52
36) 1,1-Dichloropropene	7.801	75	1114	4.891	ug/l #	42
37) Ethyl Acetate	6.972	43	180	1.388	ug/l #	12
38) Carbon Tetrachloride	7.789	117	1591	6.244	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	3883	49.223	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3883	107.816	ug/l #	7

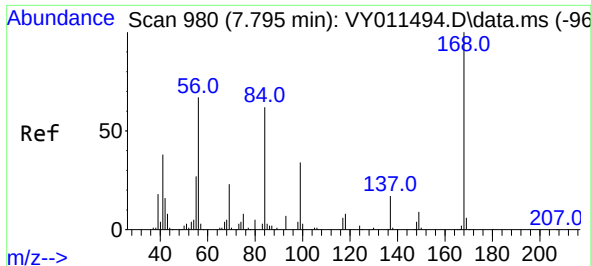
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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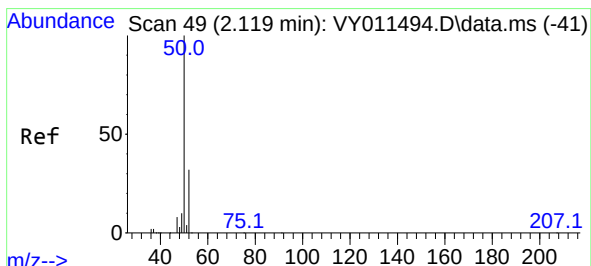
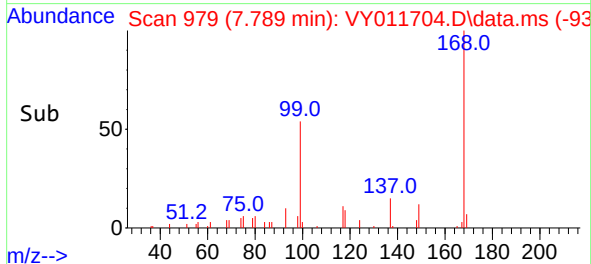
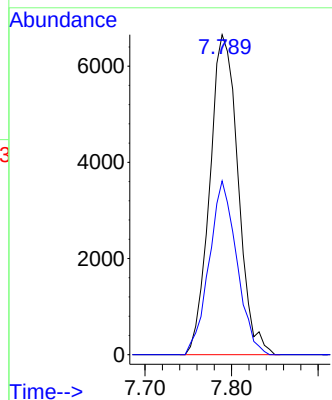
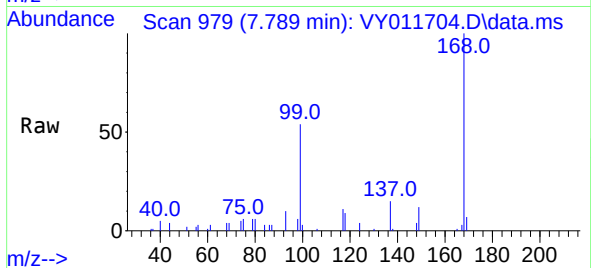




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

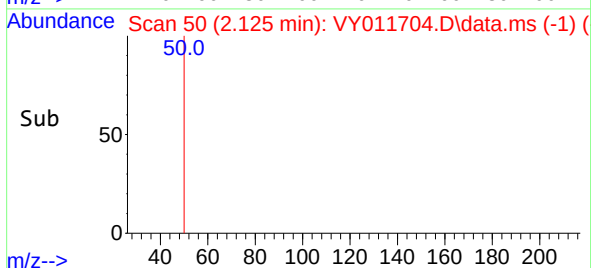
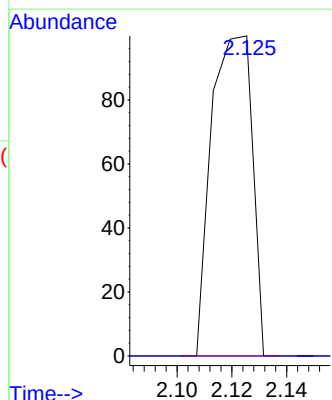
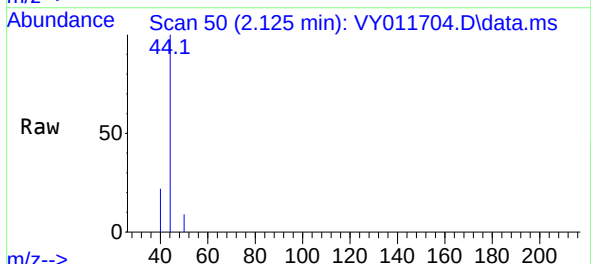
Instrument :
MSVOA_Y
ClientSampleId :
ML-5RE

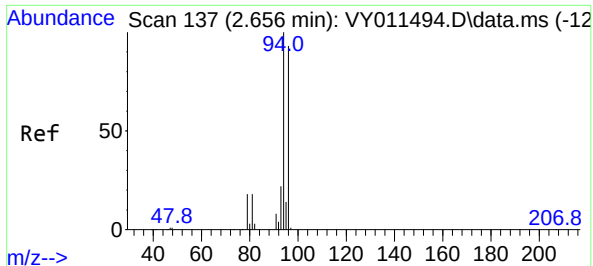
Tgt Ion:168 Resp: 15107
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

Tgt Ion: 50 Resp: 103
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

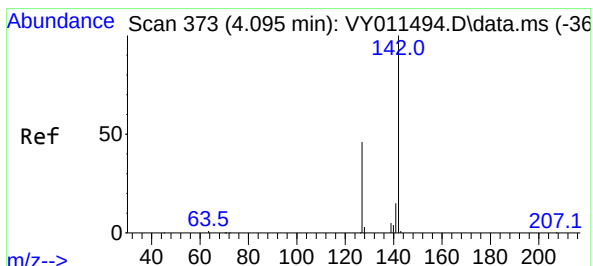
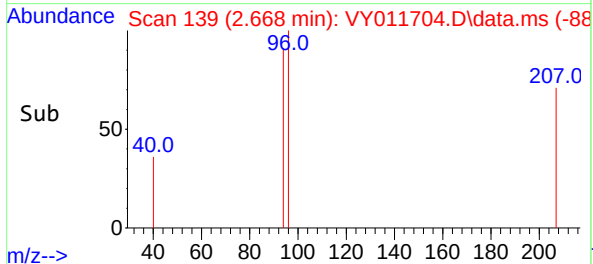
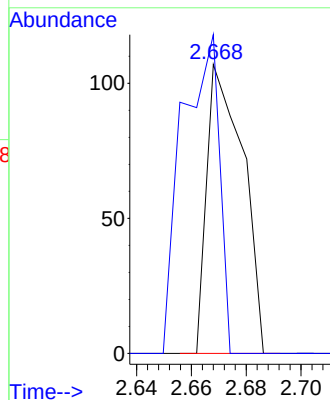
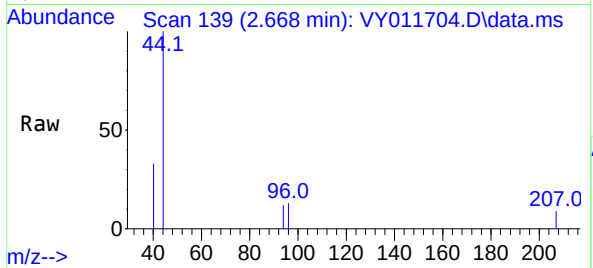




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

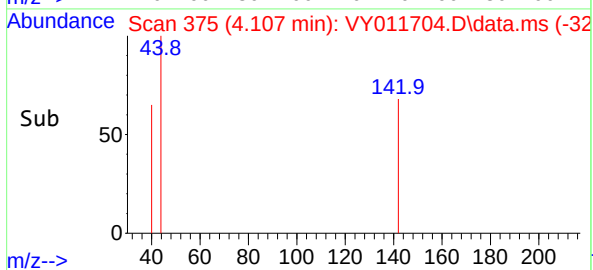
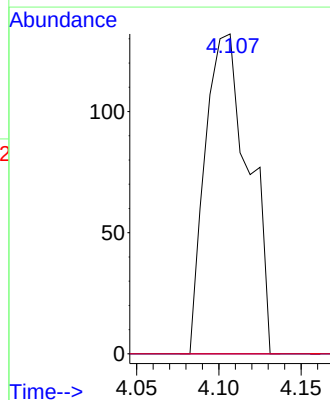
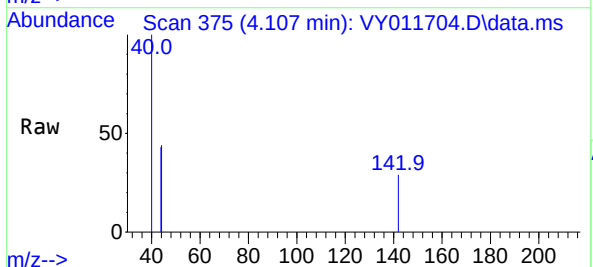
Instrument :
MSVOA_Y
ClientSampleId :
ML-5RE

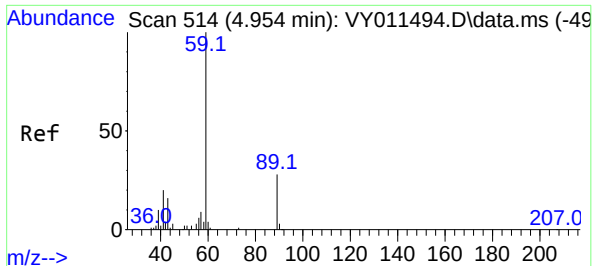
Tgt Ion: 94 Resp: 98
Ion Ratio Lower Upper
94 100
96 110.3 73.5 110.3#



#10
Methyl Iodide
Concen: 1.439 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

Tgt Ion: 142 Resp: 243
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

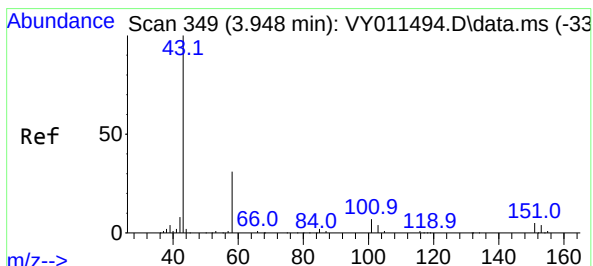
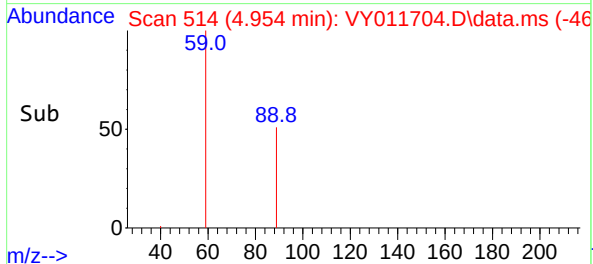
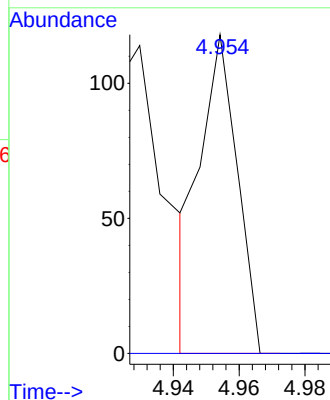
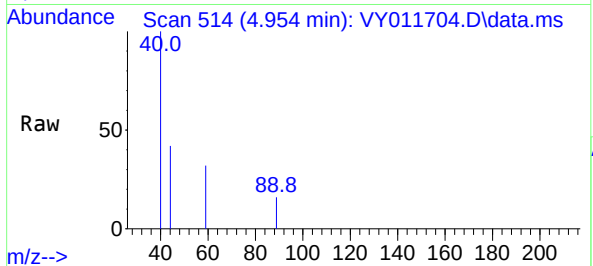




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

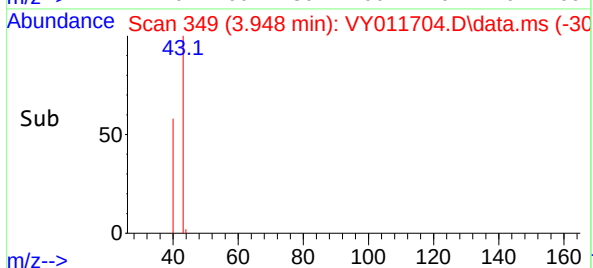
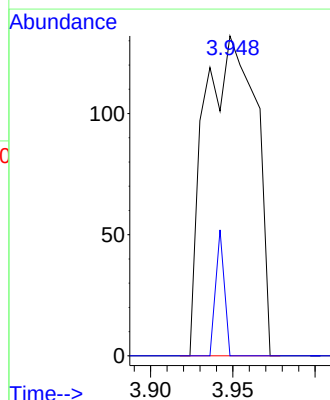
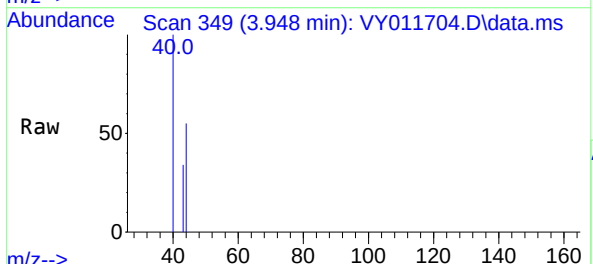
Instrument :
MSVOA_Y
ClientSampleId :
ML-5RE

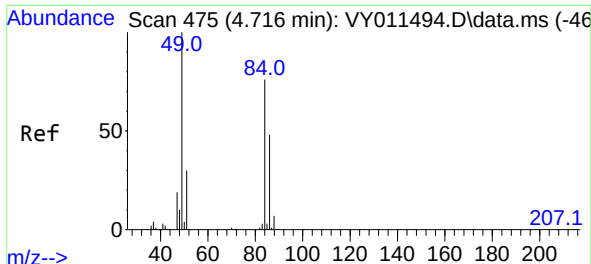
Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 5.740 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

Tgt Ion: 43 Resp: 286
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

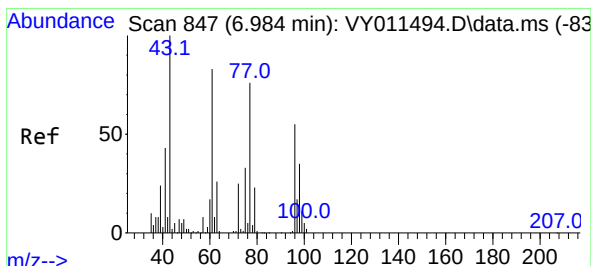
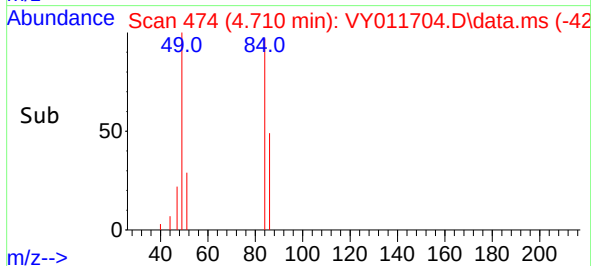
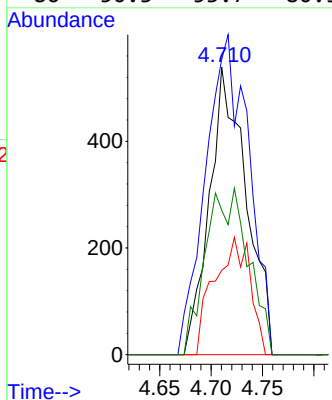
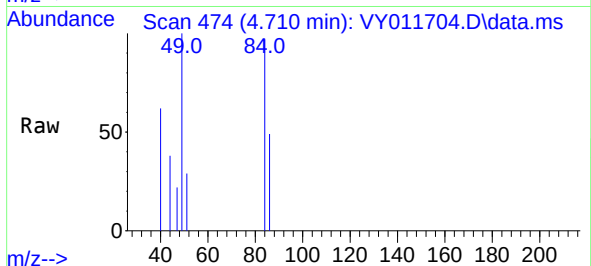




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

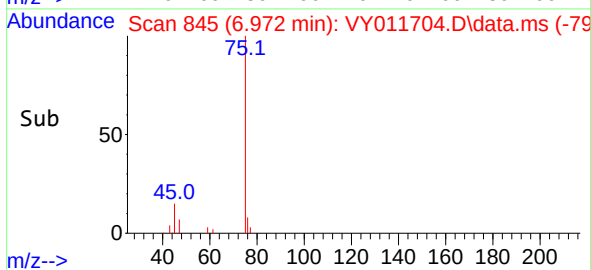
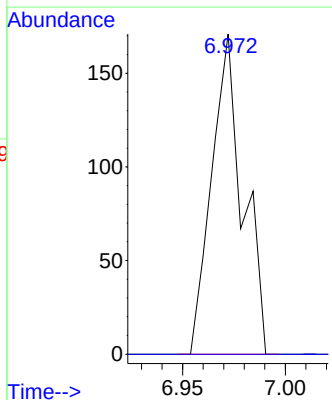
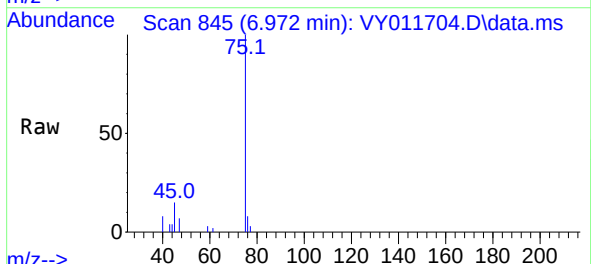
Instrument :
MSVOA_Y
ClientSampleId :
ML-5RE

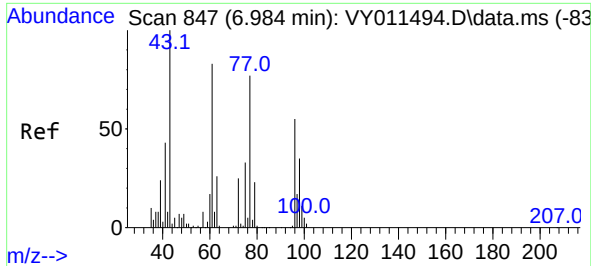
Tgt Ion: 84 Resp: 1343
Ion Ratio Lower Upper
84 100
49 102.8 114.4 171.6#
51 29.3 35.3 52.9#
86 50.3 53.7 80.5#



#25
2-Butanone
Concen: 2.749 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

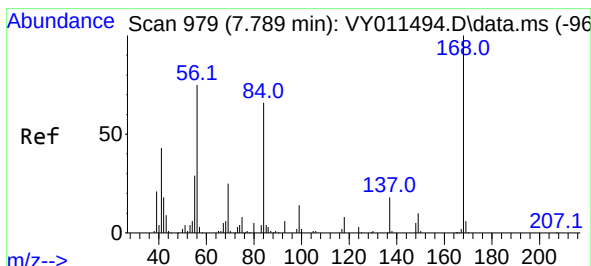
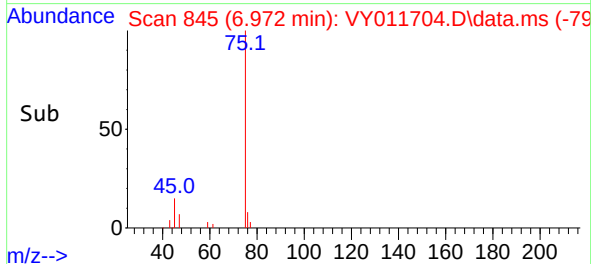
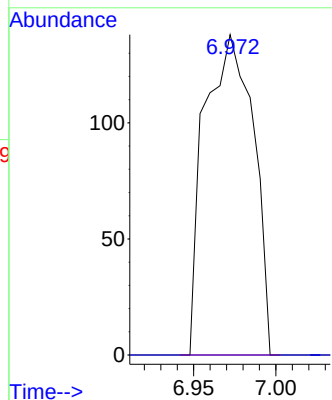
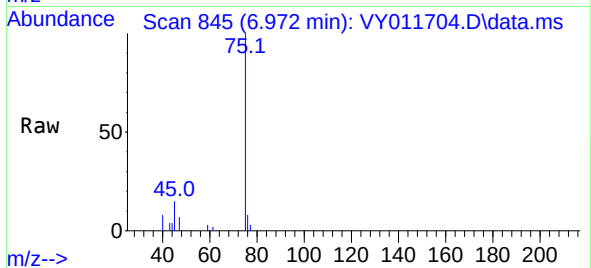




#26
2,2-Dichloropropane
Concen: 1.034 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

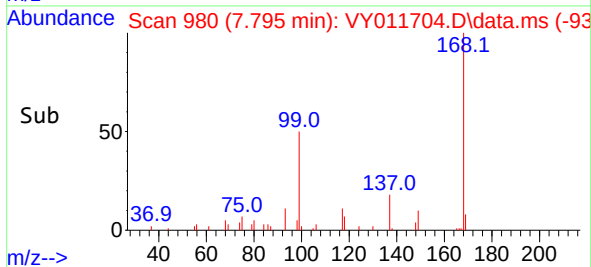
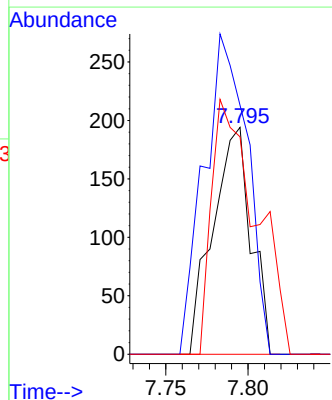
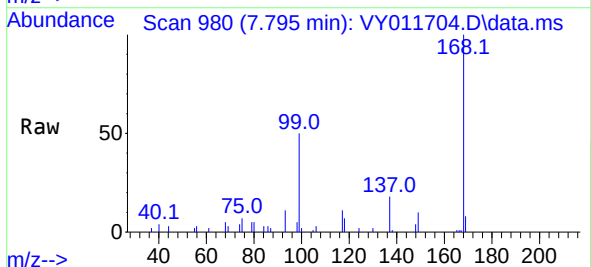
Instrument :
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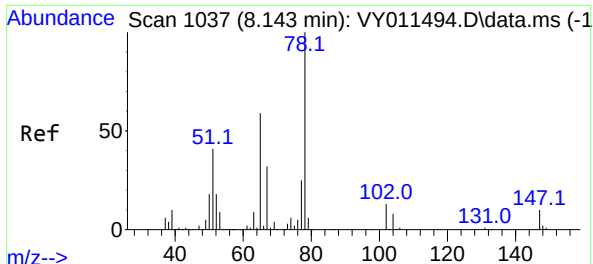
Tgt Ion: 77 Resp: 285
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

Tgt Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
69 109.8 26.7 40.1#
84 95.9 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 67.186 ug/l

RT: 8.149 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY011704.D

Acq: 05 Dec 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

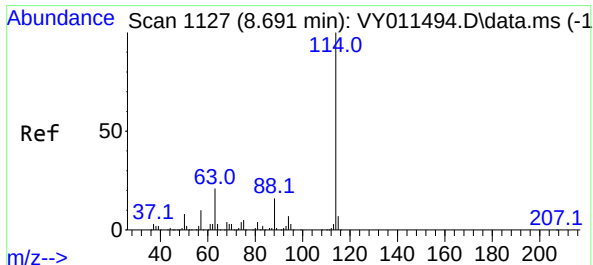
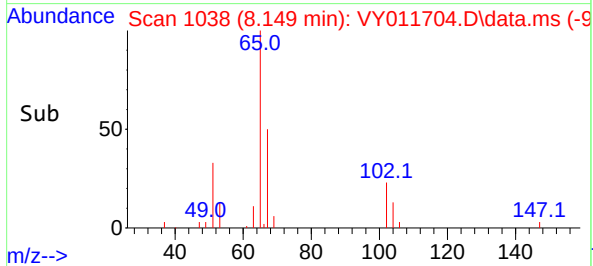
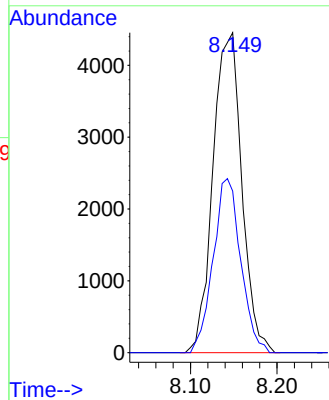
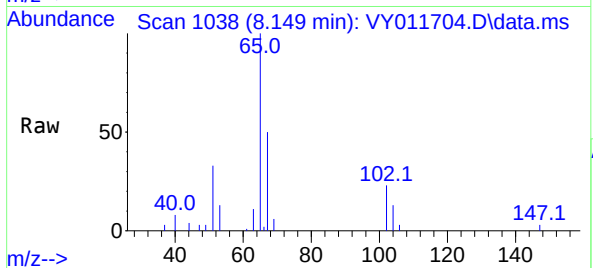
ML-5RE

Tgt Ion: 65 Resp: 10306

Ion Ratio Lower Upper

65 100

67 52.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011704.D

Acq: 05 Dec 2022 18:13

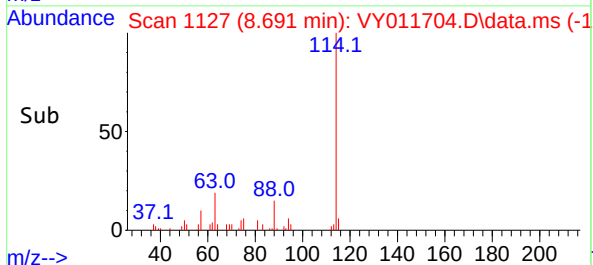
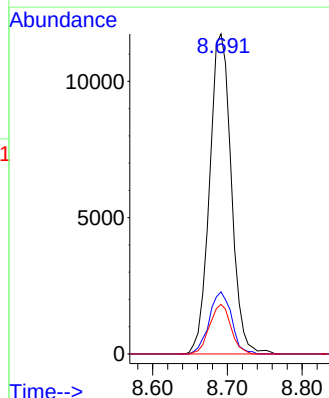
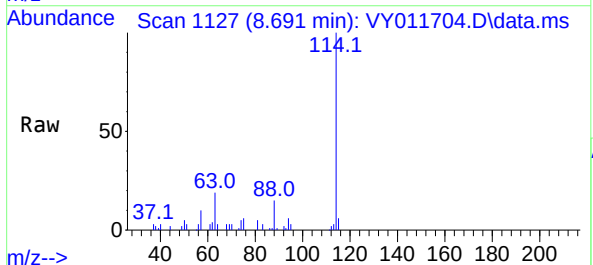
Tgt Ion: 114 Resp: 23669

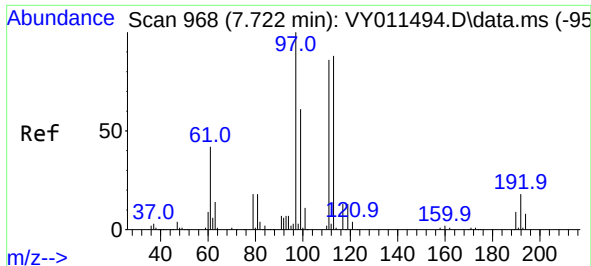
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.5 0.0 31.8

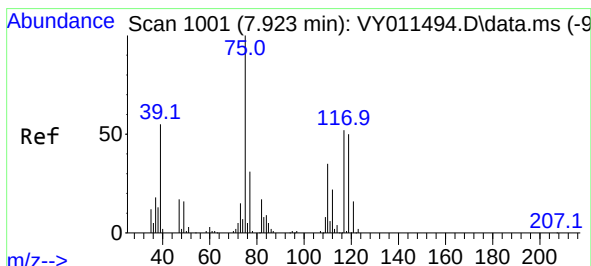
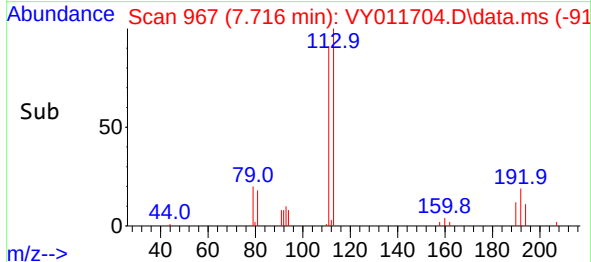
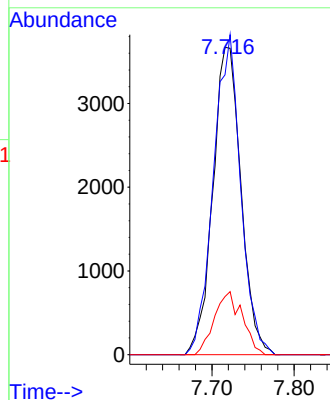
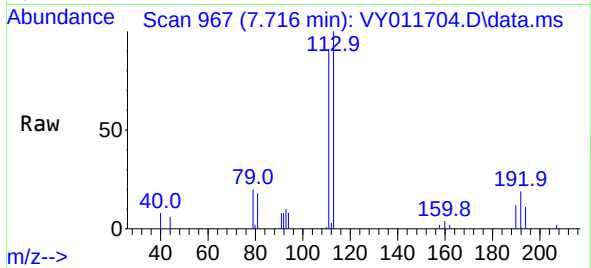




#35
Dibromofluoromethane
Concen: 59.977 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

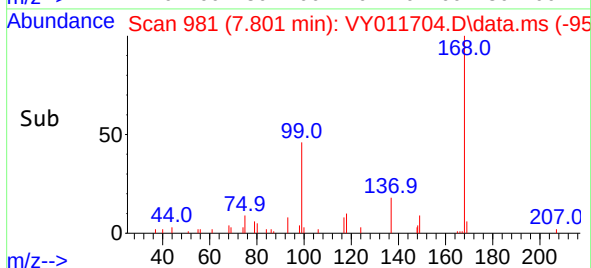
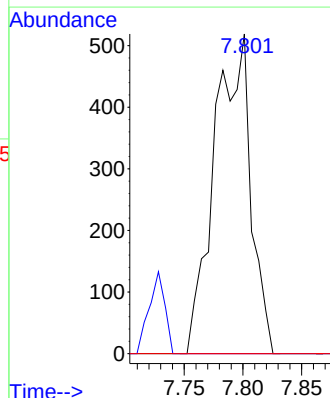
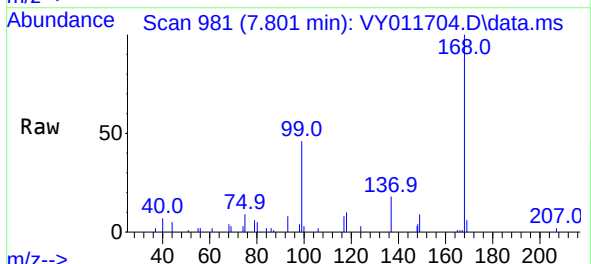
Instrument :
MSVOA_Y
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ML-5RE

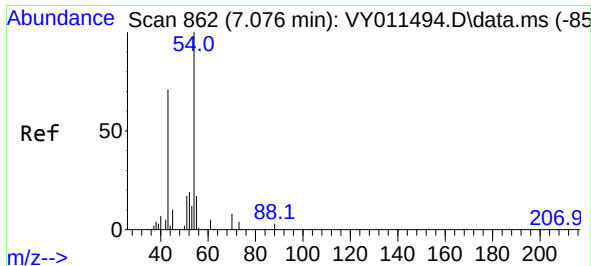
Tgt Ion:113 Resp: 8739
Ion Ratio Lower Upper
113 100
111 100.6 82.6 124.0
192 20.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

Tgt Ion: 75 Resp: 1114
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.388 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY011704.D

Acq: 05 Dec 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

ML-5RE

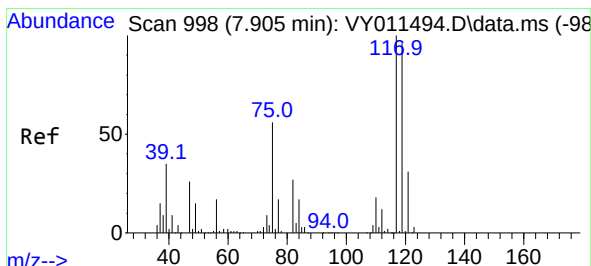
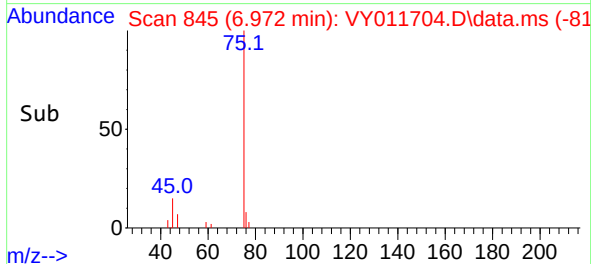
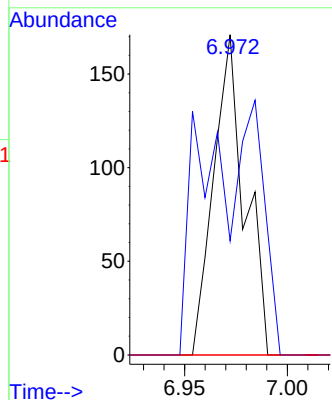
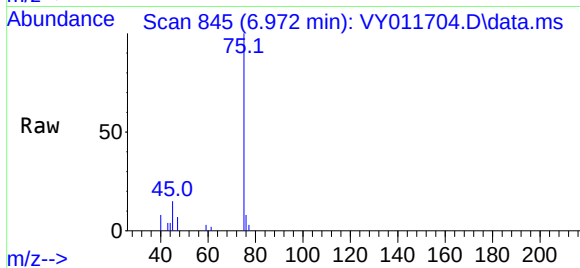
Tgt Ion: 43 Resp: 180

Ion Ratio Lower Upper

43 100

61 64.4 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.244 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011704.D

Acq: 05 Dec 2022 18:13

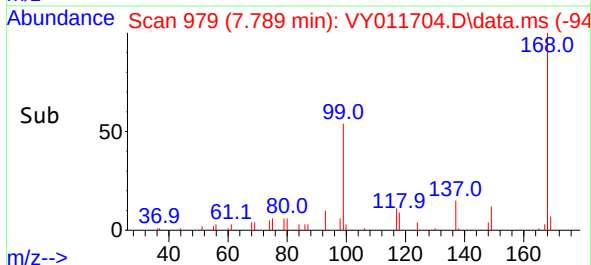
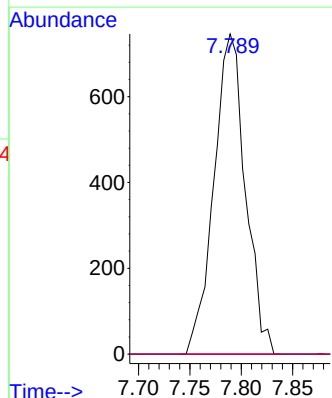
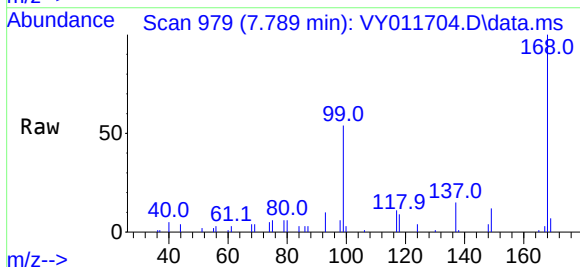
Tgt Ion: 117 Resp: 1591

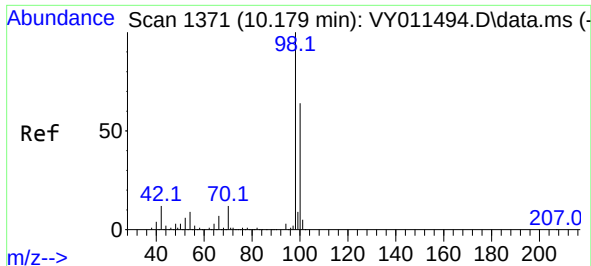
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

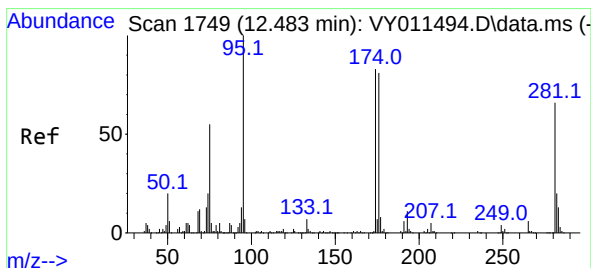
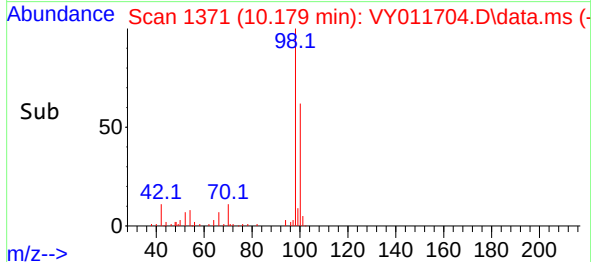
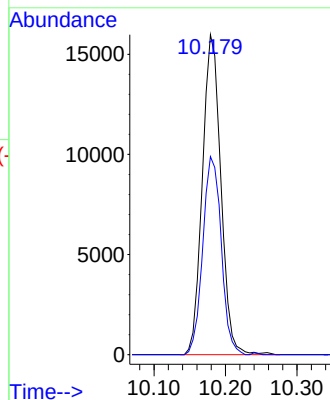
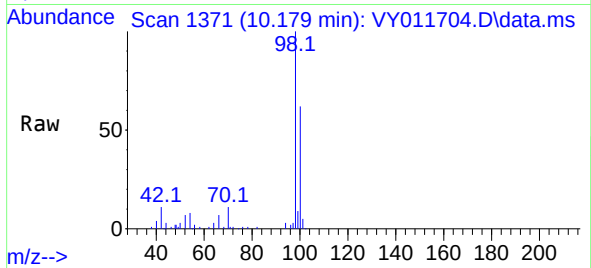




#50
Toluene-d8
Concen: 54.255 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

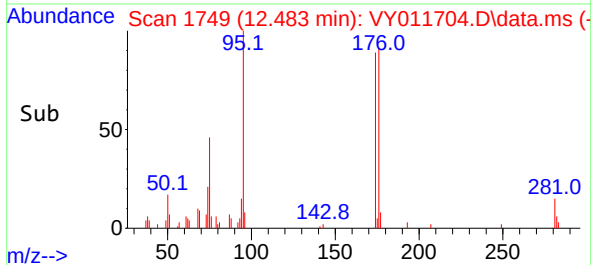
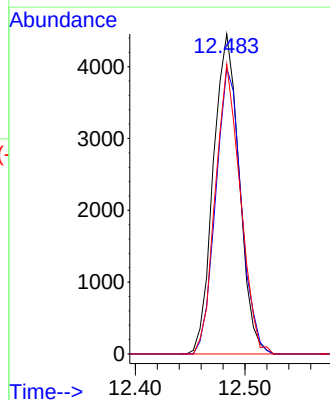
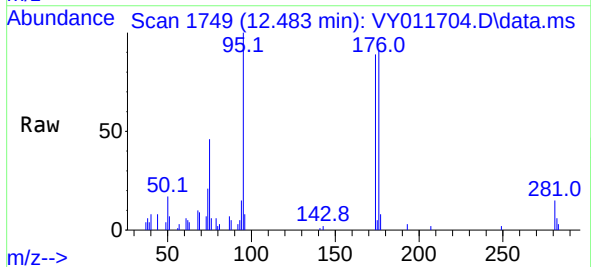
Instrument :
MSVOA_Y
ClientSampleId :
ML-5RE

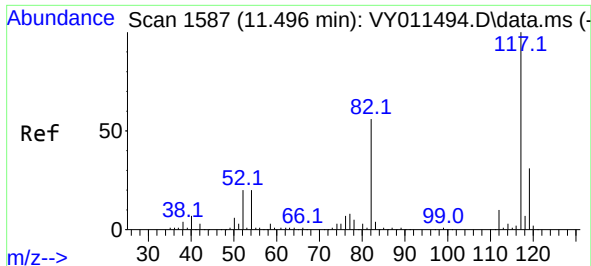
Tgt Ion: 98 Resp: 28727
Ion Ratio Lower Upper
98 100
100 61.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 37.412 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

Tgt Ion: 95 Resp: 7324
Ion Ratio Lower Upper
95 100
174 87.5 0.0 177.0
176 87.2 0.0 175.8

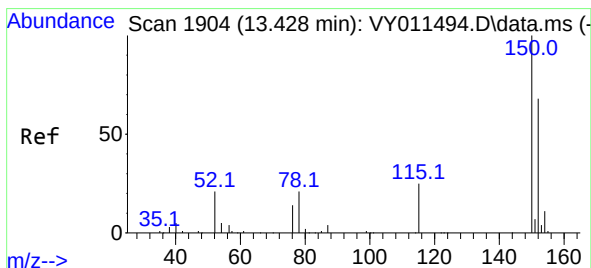
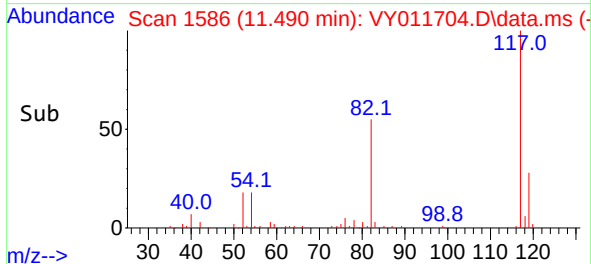
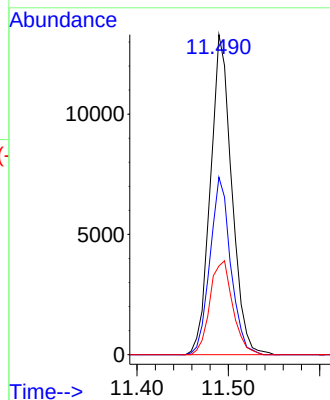
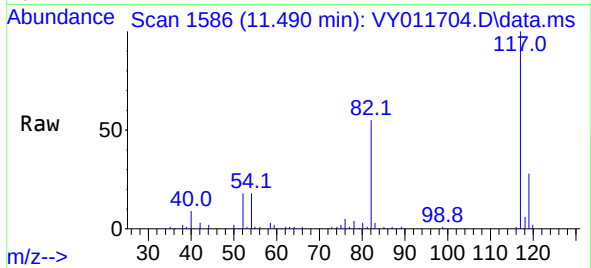




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

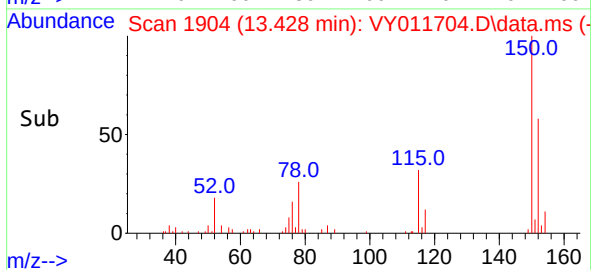
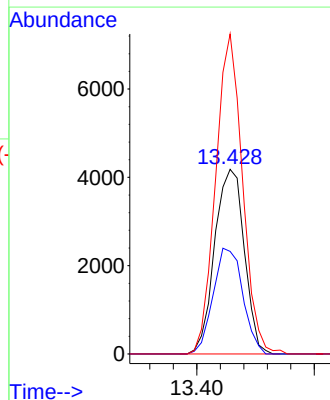
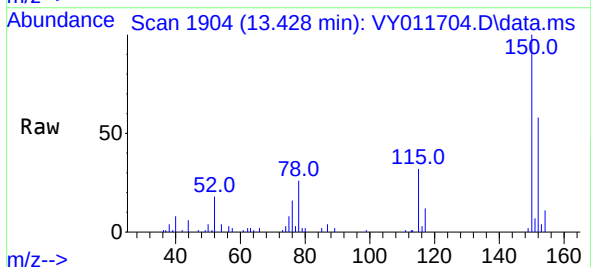
Instrument :
MSVOA_Y
ClientSampleId :
ML-5RE

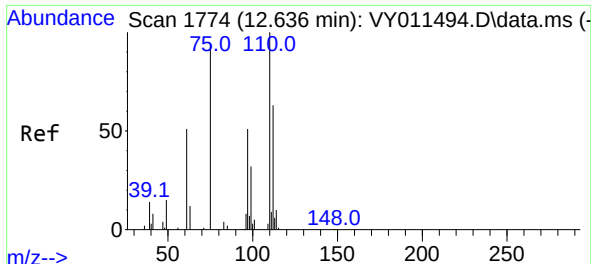
Tgt Ion:117 Resp: 21532
Ion Ratio Lower Upper
117 100
82 55.5 43.0 64.4
119 27.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

Tgt Ion:152 Resp: 7325
Ion Ratio Lower Upper
152 100
115 57.2 28.2 84.7
150 157.2 0.0 347.6

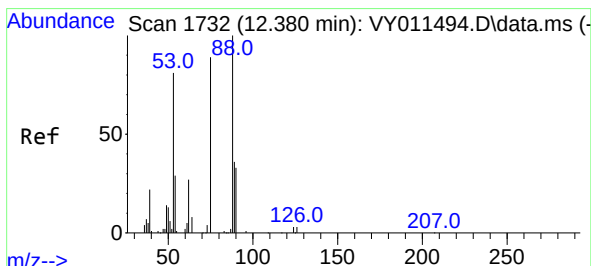
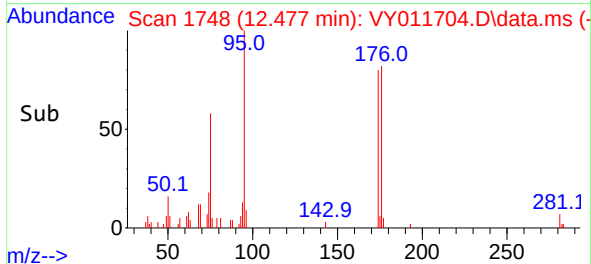
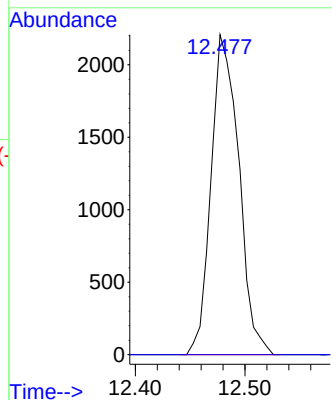
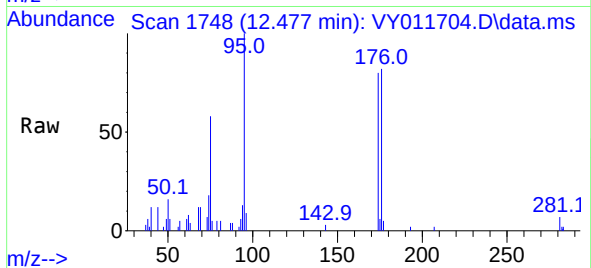




#76
1,2,3-Trichloropropane
Concen: 49.223 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

Instrument :
MSVOA_Y
ClientSampleId :
ML-5RE

Tgt Ion: 75 Resp: 3883
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 107.816 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011704.D
Acq: 05 Dec 2022 18:13

Tgt Ion: 75 Resp: 3883
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

