

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012275.D
 Acq On : 19 Jan 2023 18:54
 Operator : KP/MD
 Sample : 01190-06
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-5

Quant Time: Jan 20 03:25:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

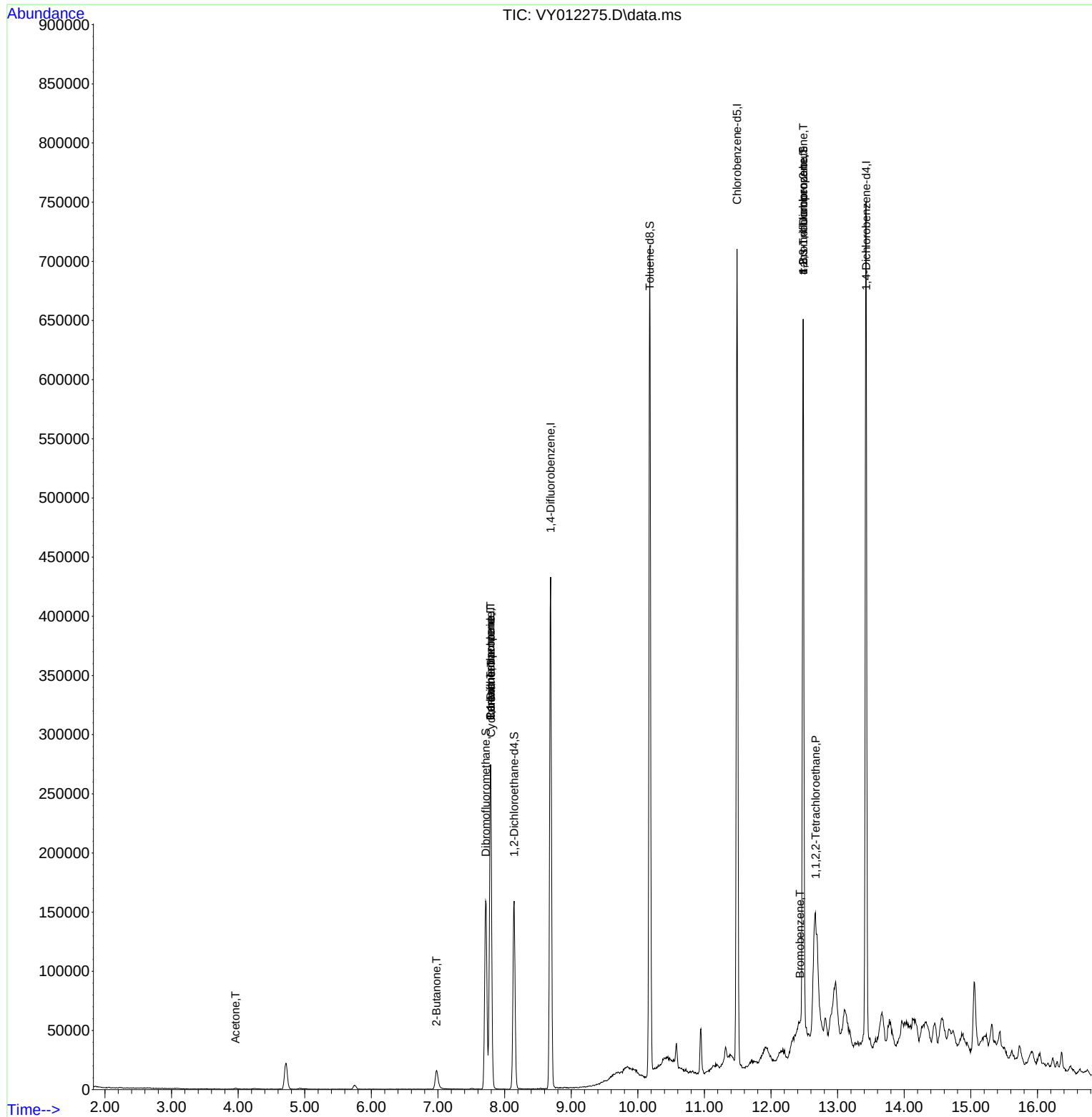
Internal Standards						
1) Pentafluorobenzene	7.789	168	221980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	380735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	395980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	196053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	128205	71.358	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.720%	
35) Dibromofluoromethane	7.716	113	115732	57.407	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.820%	
50) Toluene-d8	10.179	98	473537	69.481	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 138.960%	
62) 4-Bromofluorobenzene	12.483	95	181507	63.867	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 127.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.923	59	460	Below Cal	#	74
16) Acetone	3.960	43	1360	2.200	ug/l #	87
20) Methylene Chloride	4.716	84	18816	Below Cal	#	87
25) 2-Butanone	6.978	43	977	1.432	ug/l #	88
31) Cyclohexane	7.795	56	3762	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14764	4.309	ug/l #	51
38) Carbon Tetrachloride	7.789	117	21207	4.793	ug/l #	18
75) 1,1,2,2-Tetrachloroethane	12.672	83	6902	3.100	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	90386	50.137	ug/l #	100
77) Bromobenzene	12.434	156	43672	12.838	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	90386	103.304	ug/l #	13

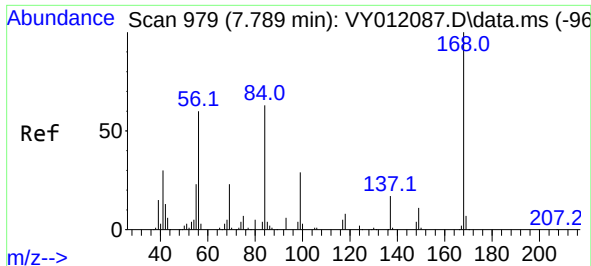
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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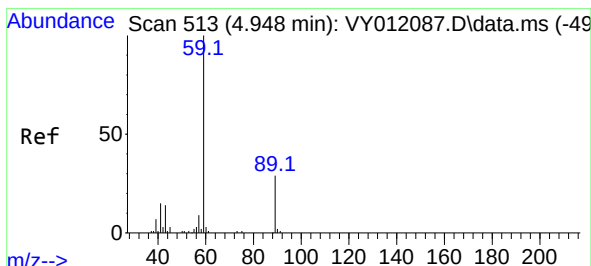
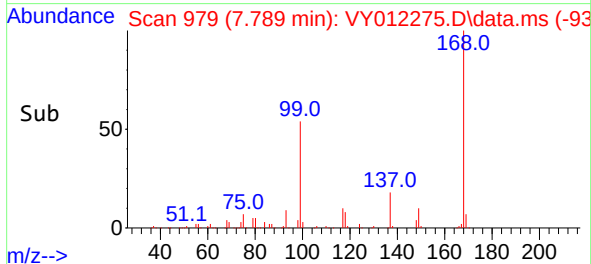
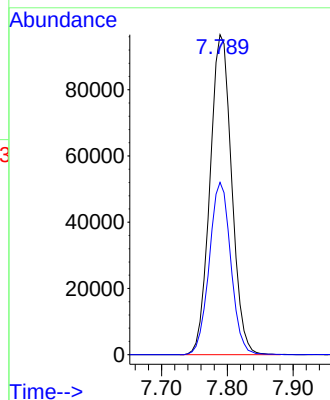
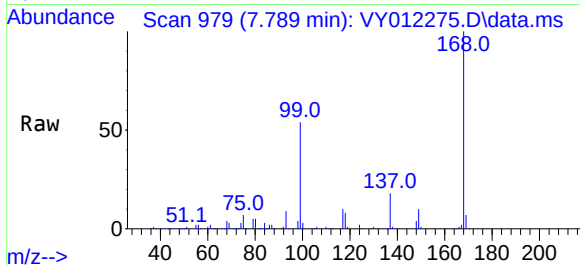




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

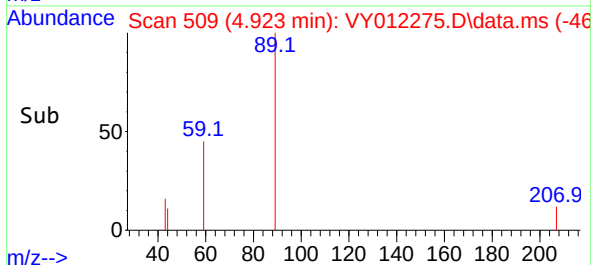
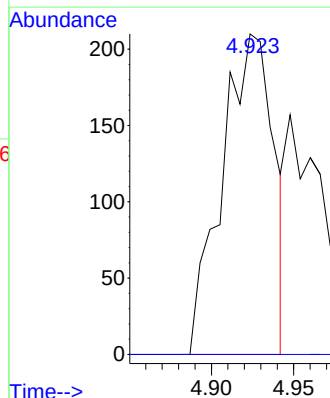
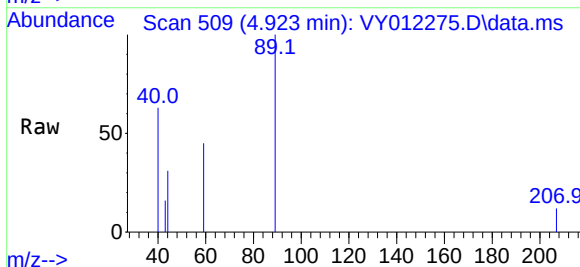
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

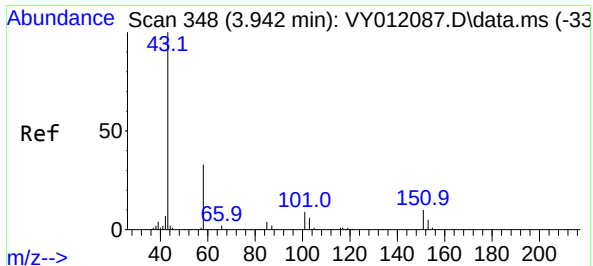
Tgt Ion:168 Resp: 221980
Ion Ratio Lower Upper
168 100
99 53.9 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

Tgt Ion: 59 Resp: 460
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

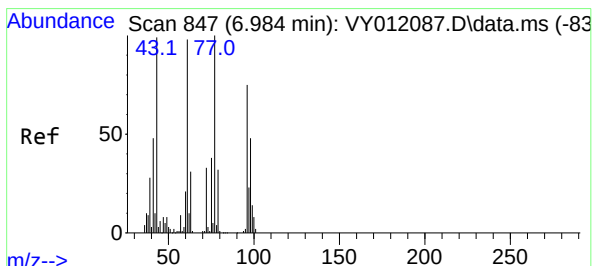
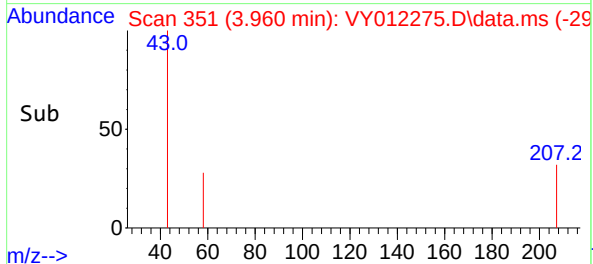
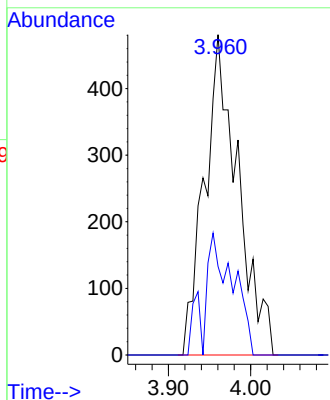
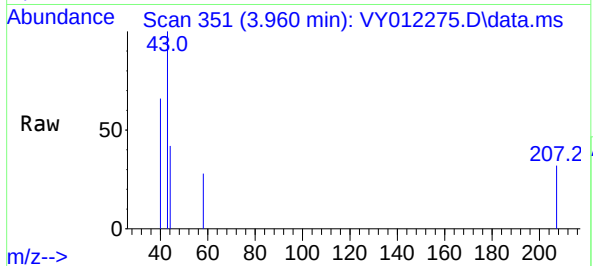




#16
Acetone
Concen: 2.200 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

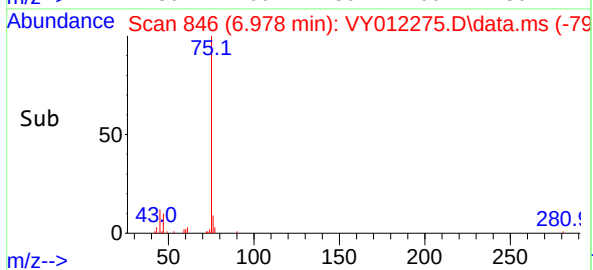
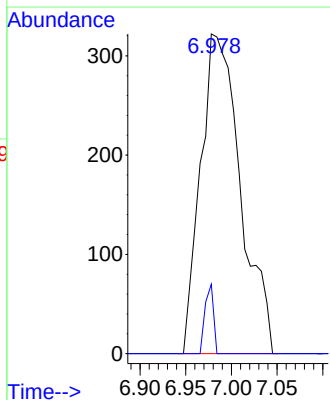
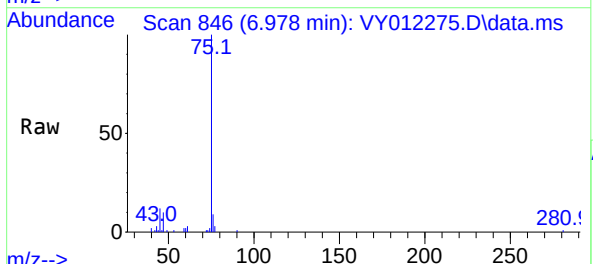
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

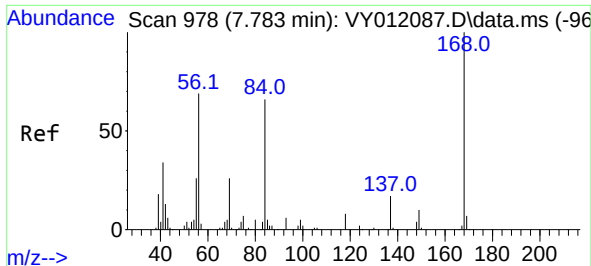
Tgt Ion: 43 Resp: 1360
Ion Ratio Lower Upper
43 100
58 27.7 27.9 41.9#



#25
2-Butanone
Concen: 1.432 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
72 21.7 22.6 34.0#

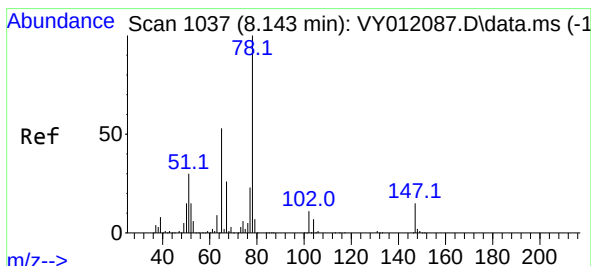
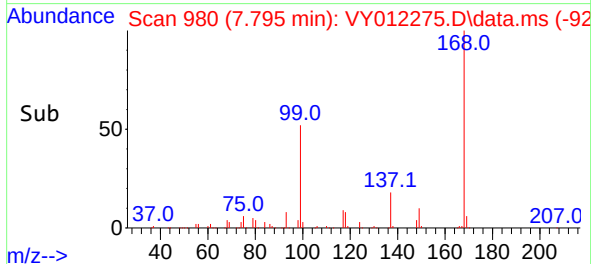
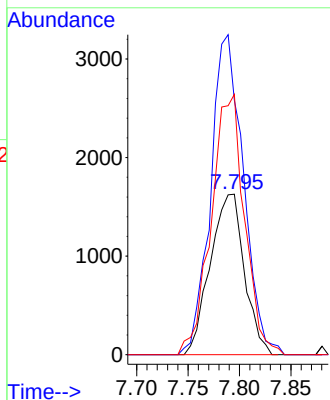
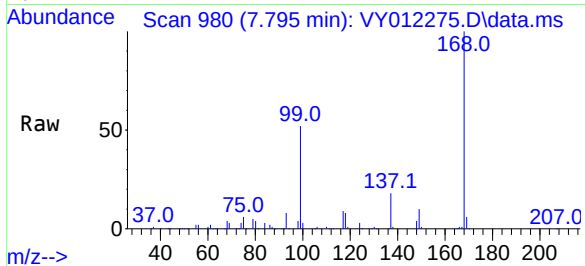




#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

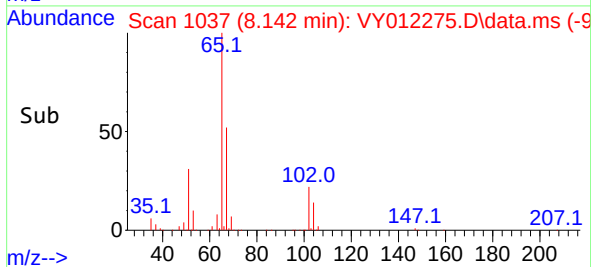
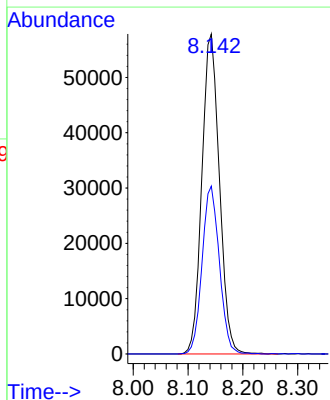
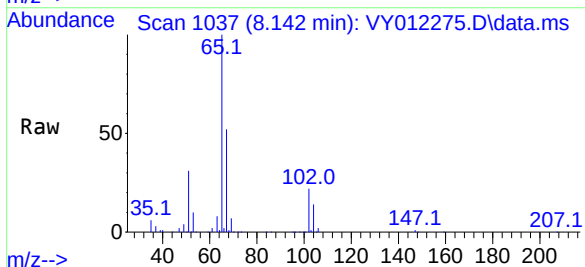
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

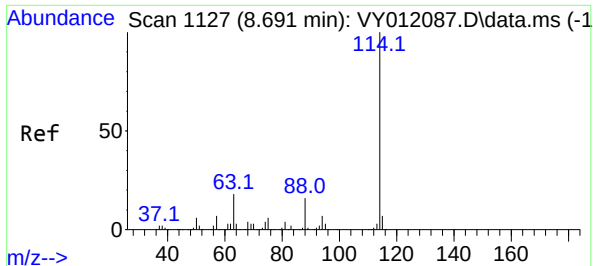
Tgt Ion: 56 Resp: 3762
Ion Ratio Lower Upper
56 100
69 158.5 29.2 43.8#
84 162.2 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 71.358 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

Tgt Ion: 65 Resp: 128205
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012275.D

Acq: 19 Jan 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

PE-5

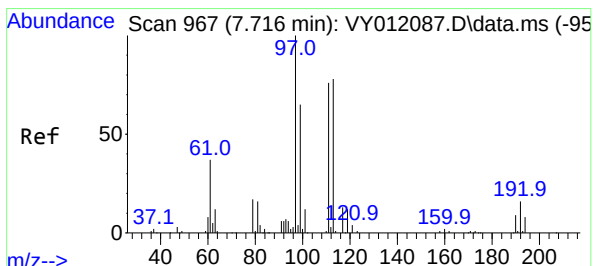
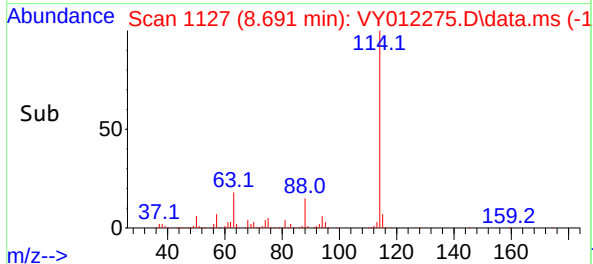
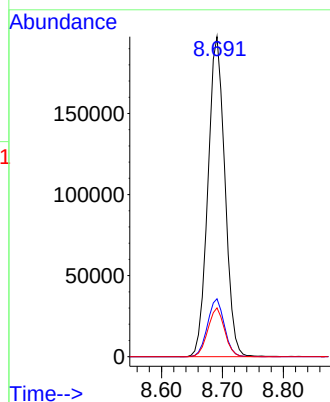
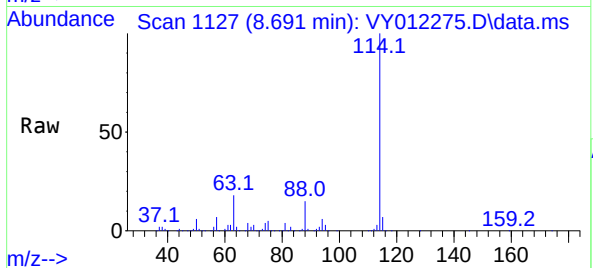
Tgt Ion:114 Resp: 380735

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.407 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012275.D

Acq: 19 Jan 2023 18:54

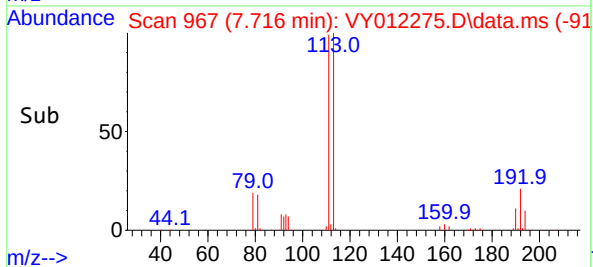
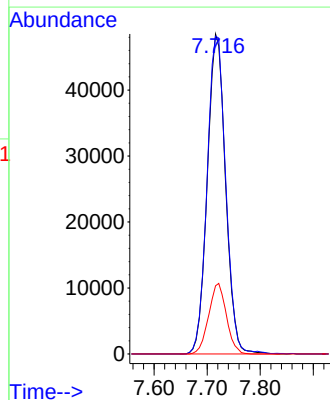
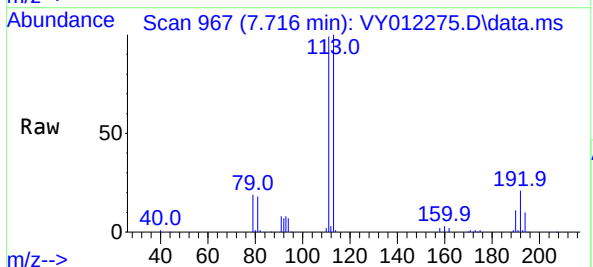
Tgt Ion:113 Resp: 115732

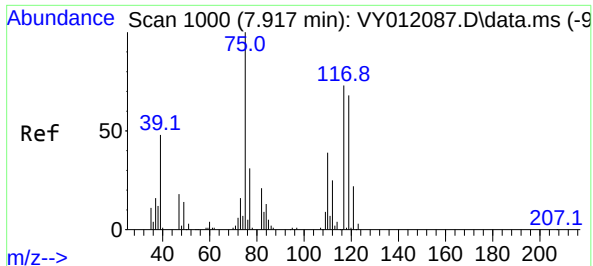
Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

192 21.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.309 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012275.D

Acq: 19 Jan 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

PE-5

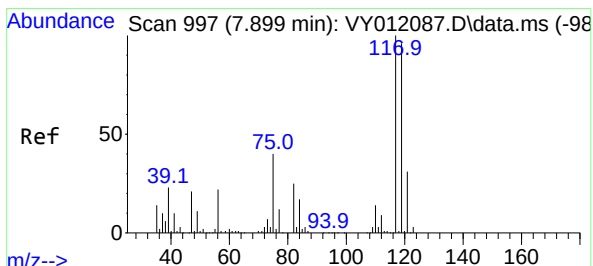
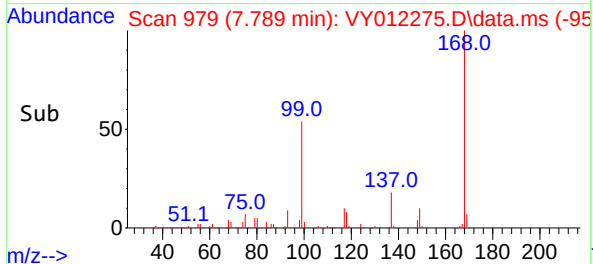
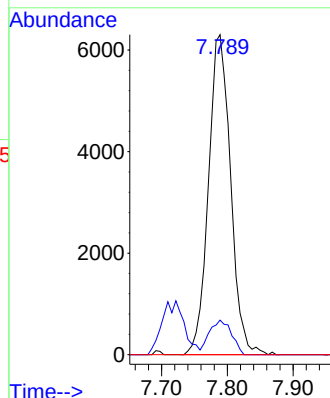
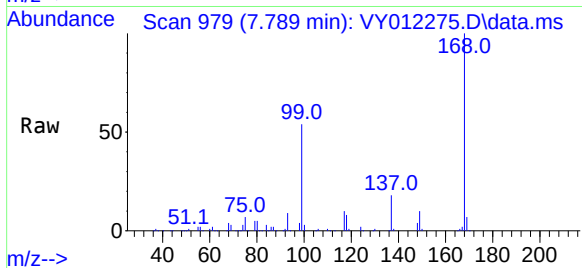
Tgt Ion: 75 Resp: 14764

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.793 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012275.D

Acq: 19 Jan 2023 18:54

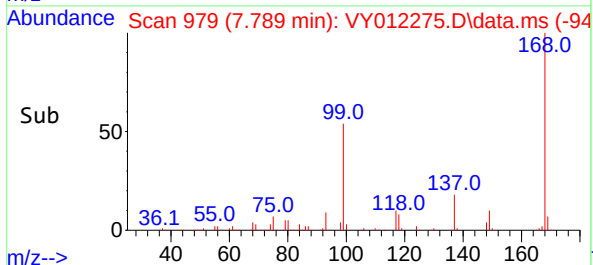
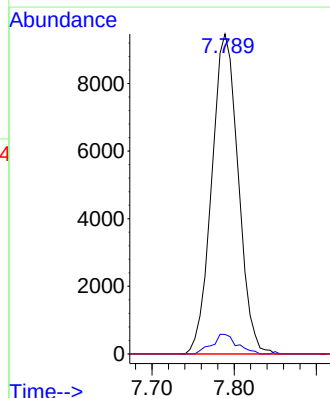
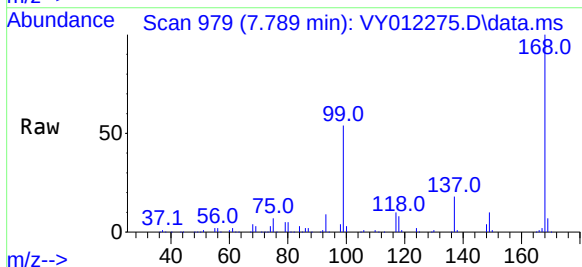
Tgt Ion: 117 Resp: 21207

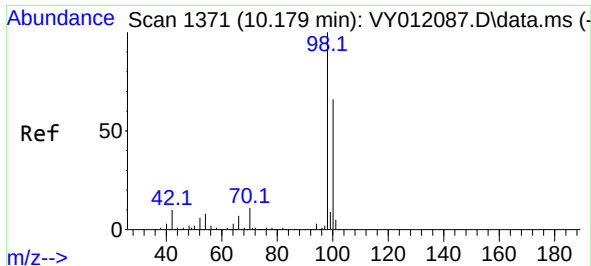
Ion Ratio Lower Upper

117 100

119 6.1 73.8 110.8#

121 0.0 25.2 37.8#

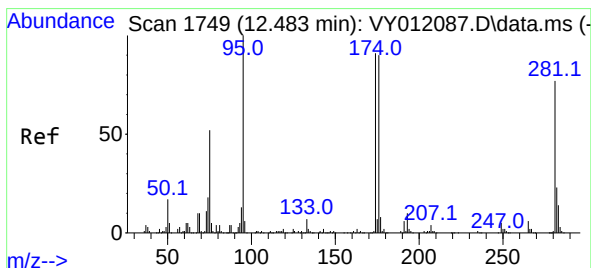
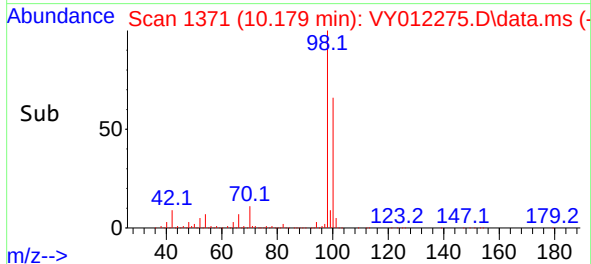
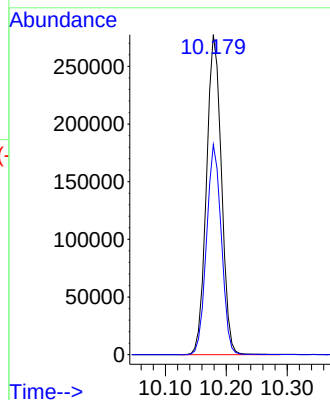
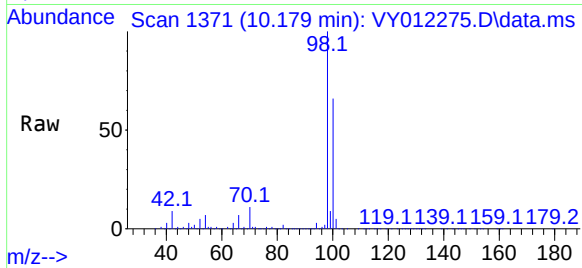




#50
Toluene-d8
Concen: 69.481 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

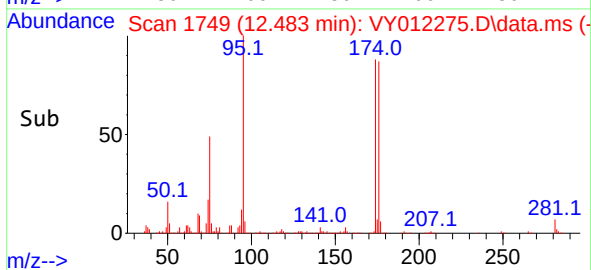
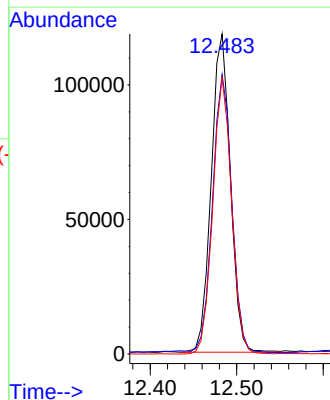
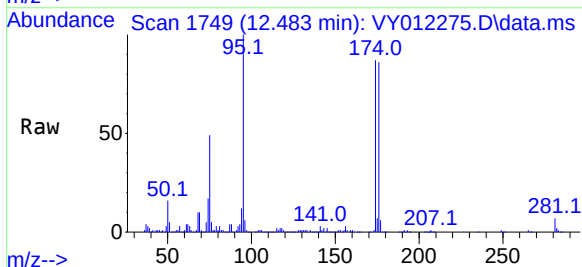
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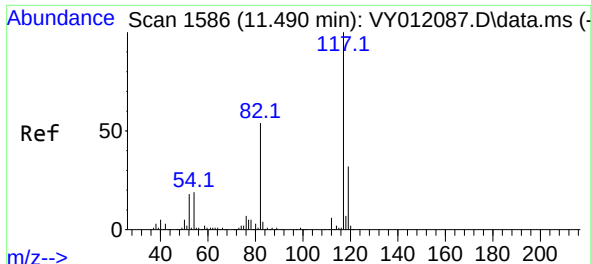
Tgt Ion: 98 Resp: 473537
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 63.867 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

Tgt Ion: 95 Resp: 181507
Ion Ratio Lower Upper
95 100
174 88.9 0.0 172.0
176 85.5 0.0 167.6

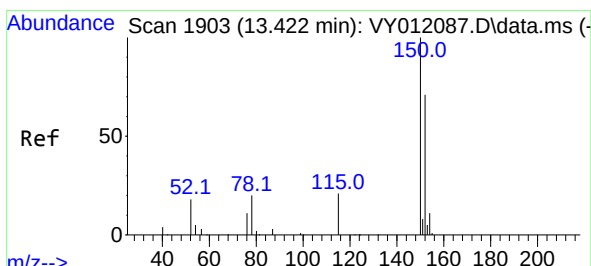
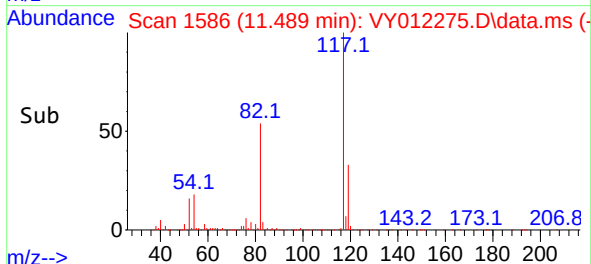
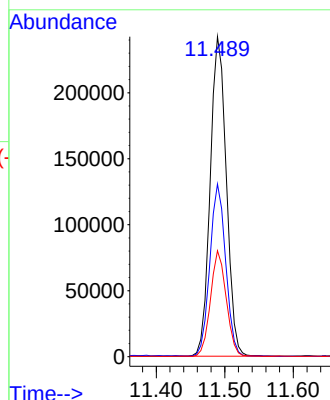
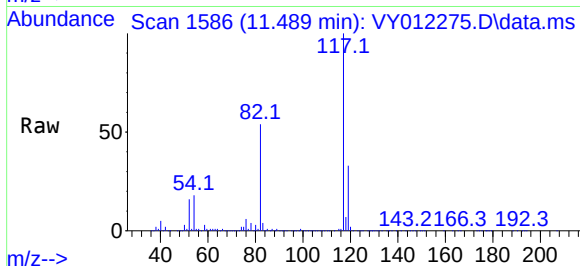




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

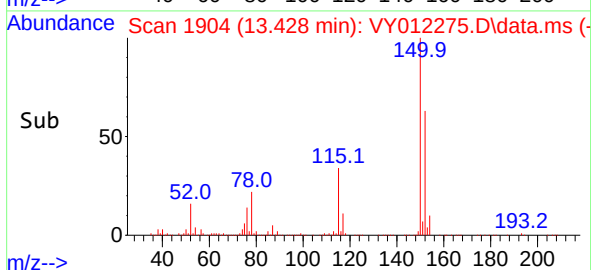
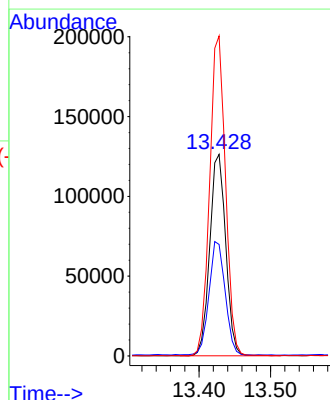
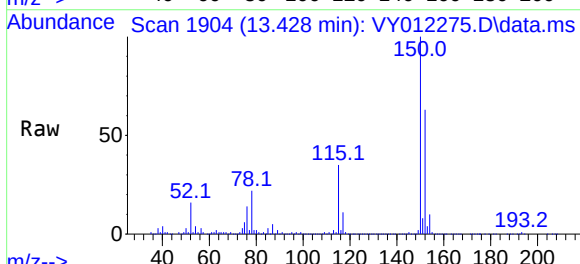
Instrument :
MSVOA_Y
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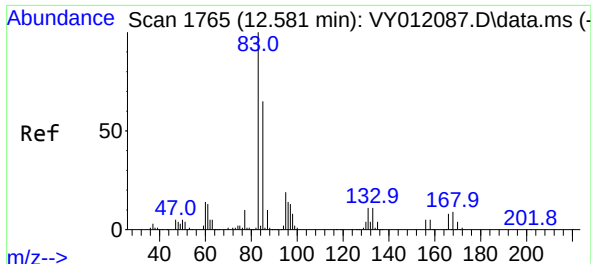
Tgt Ion:117 Resp: 395980
Ion Ratio Lower Upper
117 100
82 53.9 44.8 67.2
119 33.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

Tgt Ion:152 Resp: 196053
Ion Ratio Lower Upper
152 100
115 57.0 29.1 87.3
150 157.3 0.0 342.6

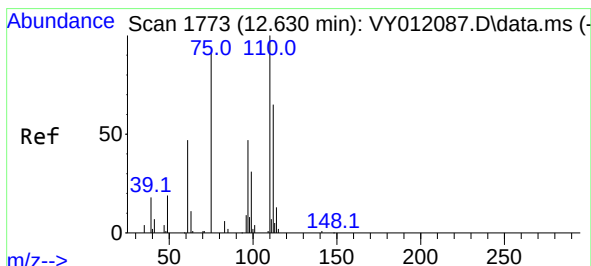
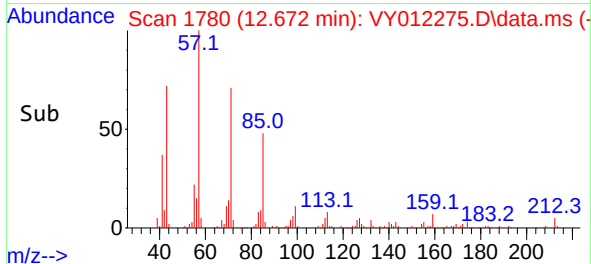
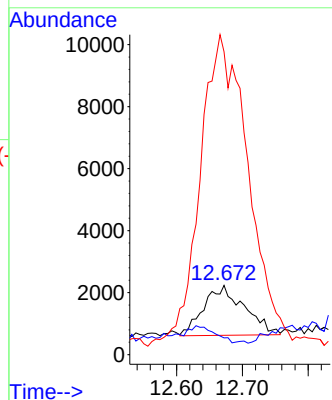
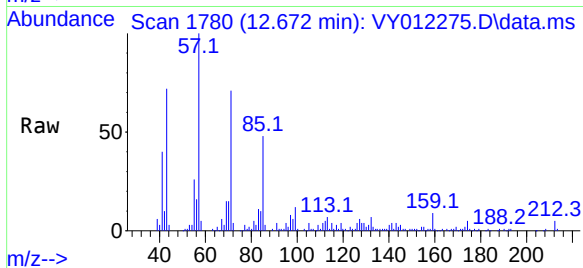




#75
1,1,2,2-Tetrachloroethane
Concen: 3.100 ug/l
RT: 12.672 min Scan# 1765
Delta R.T. 0.091 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

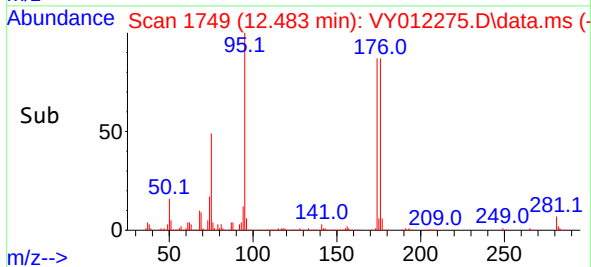
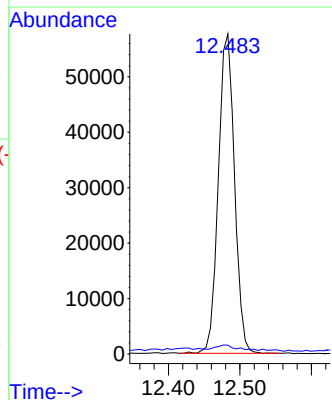
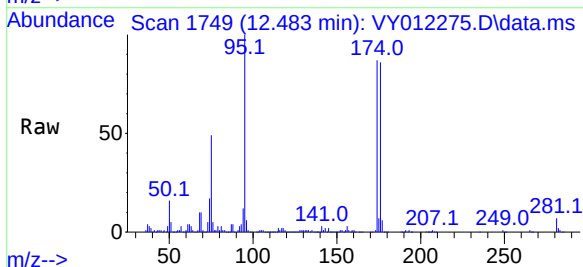
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

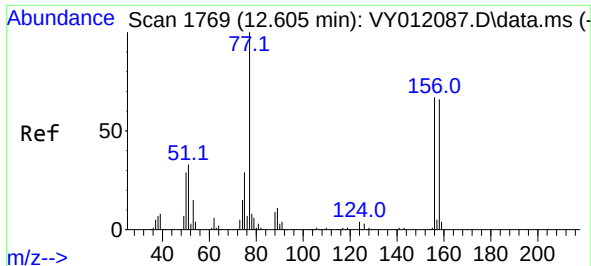
Tgt Ion: 83 Resp: 6902
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 748.7 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 50.137 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

Tgt Ion: 75 Resp: 90386
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#

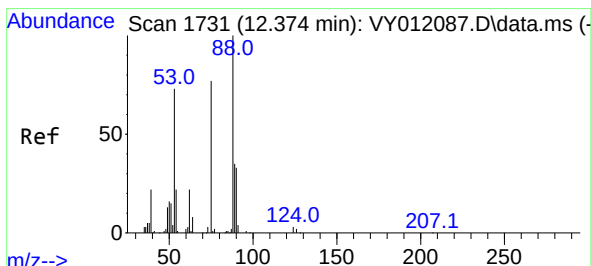
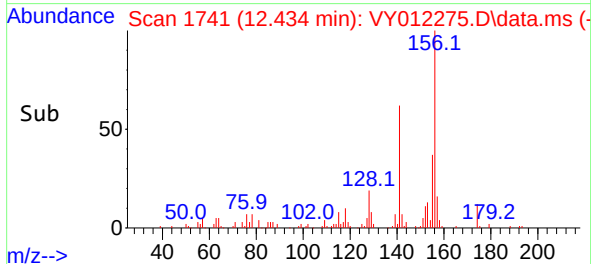
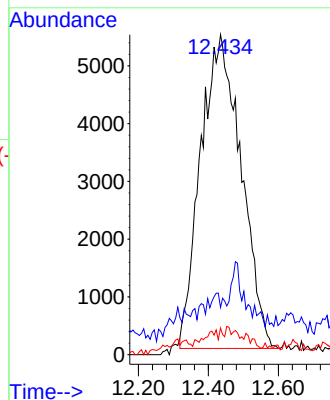
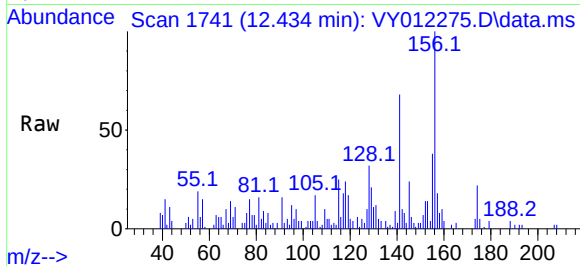




#77
Bromobenzene
Concen: 12.838 ug/l
RT: 12.434 min Scan# 1749
Delta R.T. -0.171 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :
PE-5

Tgt Ion:156 Resp: 43672
Ion Ratio Lower Upper
156 100
77 2.1 90.0 270.0#
158 0.0 48.4 145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.304 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012275.D
Acq: 19 Jan 2023 18:54

Tgt Ion: 75 Resp: 90386
Ion Ratio Lower Upper
75 100
53 0.3 72.5 108.7#
89 0.6 37.0 55.4#

