

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009065.D
 Acq On : 24 May 2022 16:29
 Operator : KP/MD
 Sample : N2981-01
 Misc : 3.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-13(0.5-1)

Quant Time: May 25 02:54:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

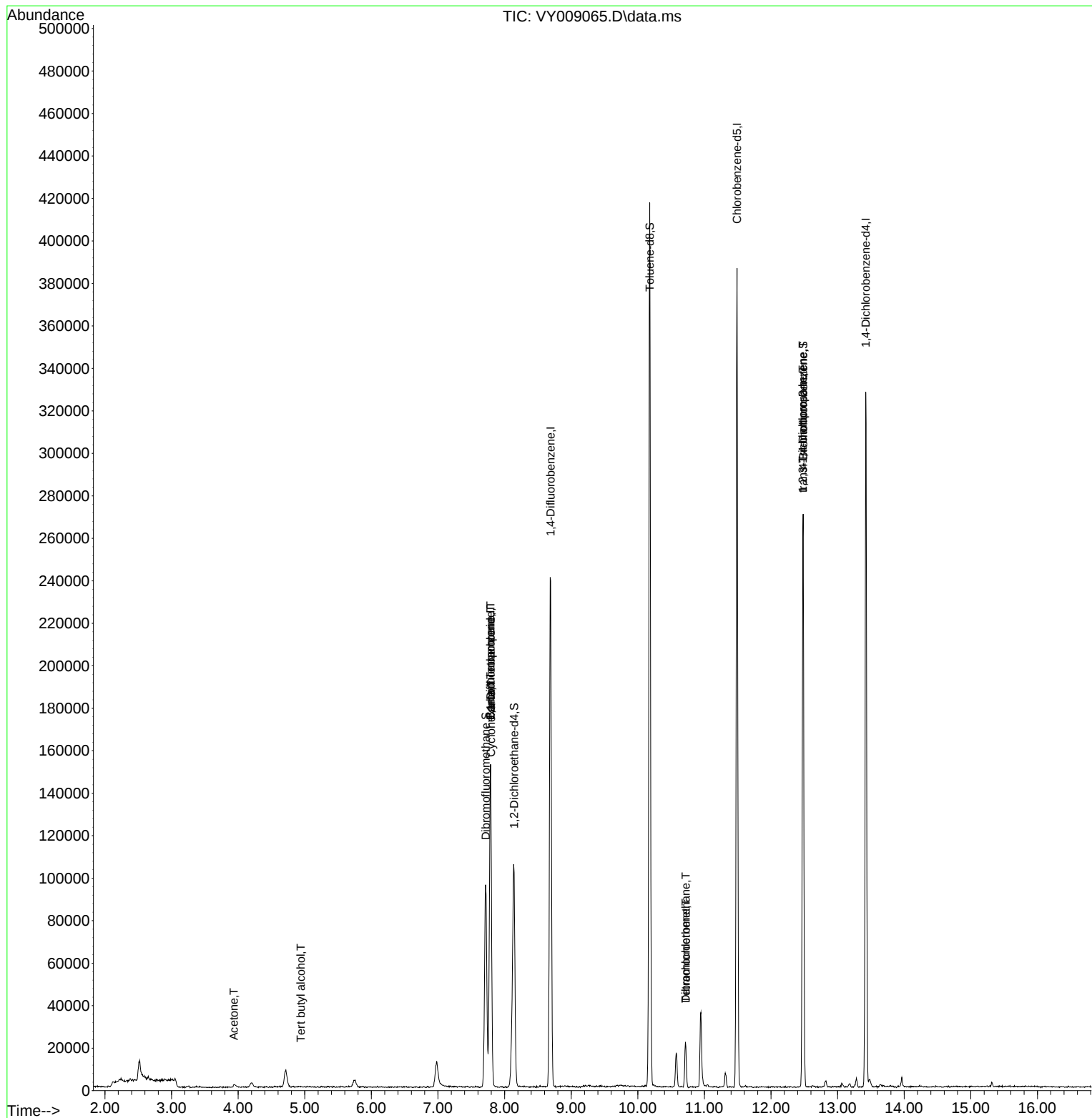
Internal Standards						
1) Pentafluorobenzene	7.789	168	114218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	206857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	195081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	77696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	69453	59.083	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.160%	
35) Dibromofluoromethane	7.716	113	65027	50.553	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.100%	
50) Toluene-d8	10.179	98	256966	54.150	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.300%	
62) 4-Bromofluorobenzene	12.483	95	71852	37.535	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 75.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	293	2.457	ug/l #	77
16) Acetone	3.936	43	2117	8.652	ug/l #	84
20) Methylene Chloride	4.716	84	5711	Below Cal	#	77
31) Cyclohexane	7.795	56	3132	1.362	ug/l #	66
36) 1,1-Dichloropropene	7.789	75	10053	4.592	ug/l #	49
38) Carbon Tetrachloride	7.789	117	11308	4.938	ug/l #	15
60) Dibromochloromethane	10.721	129	3315	2.028	ug/l #	11
64) Tetrachloroethene	10.721	164	4365	3.074	ug/l	88
76) 1,2,3-Trichloropropane	12.477	75	41160	49.331	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	41160	101.252	ug/l #	7

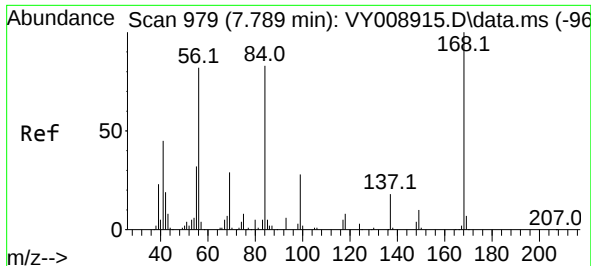
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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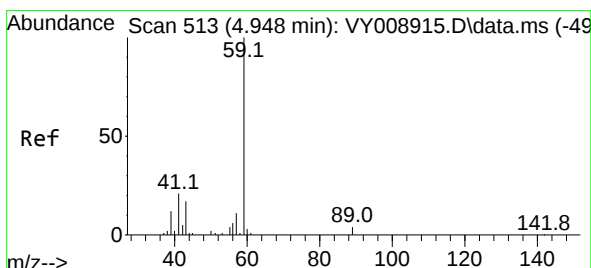
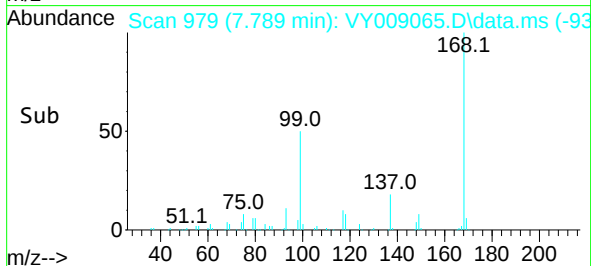
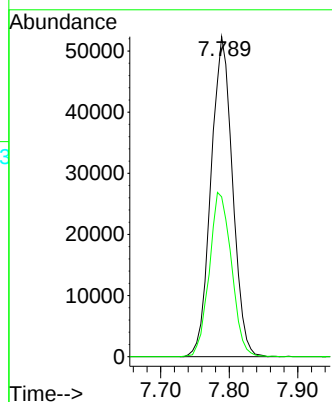
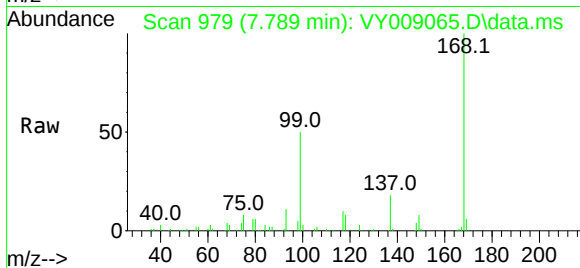




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

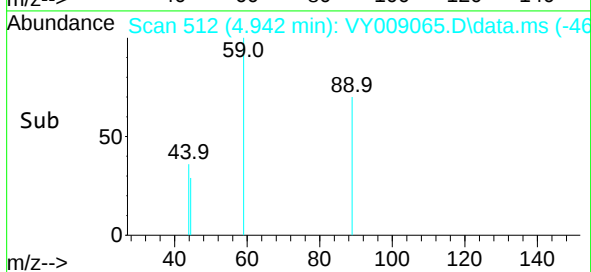
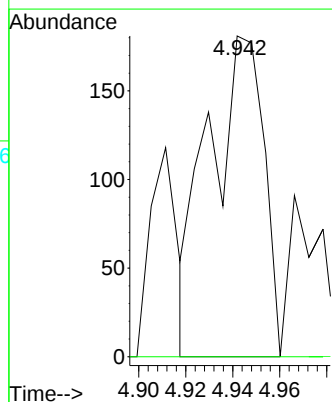
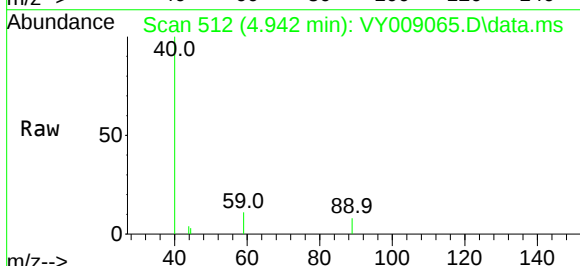
Instrument :
MSVOA_Y
ClientSampleId :
SB-13(0.5-1)

Tgt Ion:168 Resp: 114218
Ion Ratio Lower Upper
168 100
99 50.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.457 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

Tgt Ion: 59 Resp: 293
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

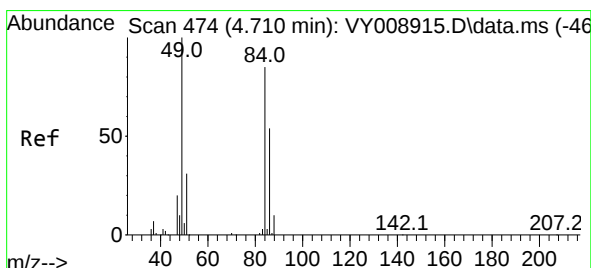
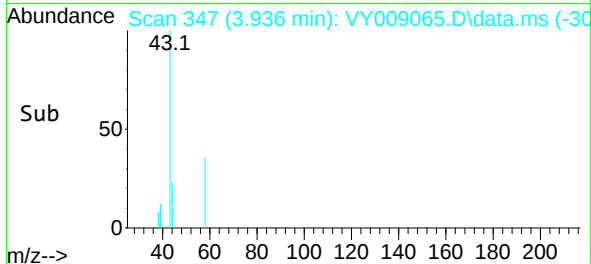
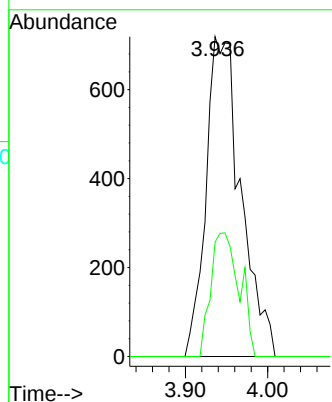
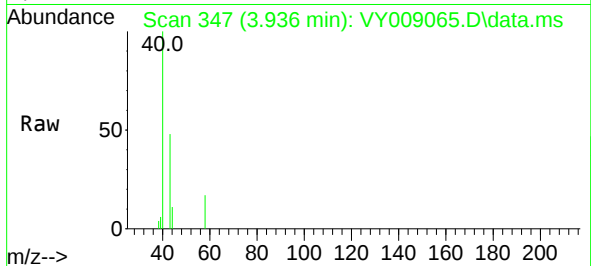




#16
Acetone
Concen: 8.652 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

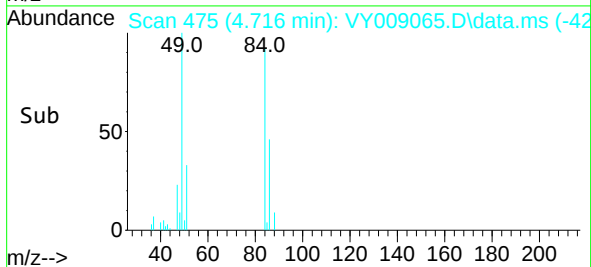
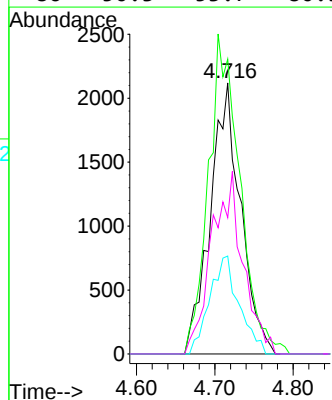
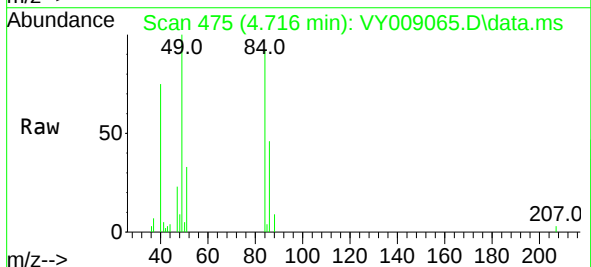
Instrument :
MSVOA_Y
ClientSampleId :
SB-13(0.5-1)

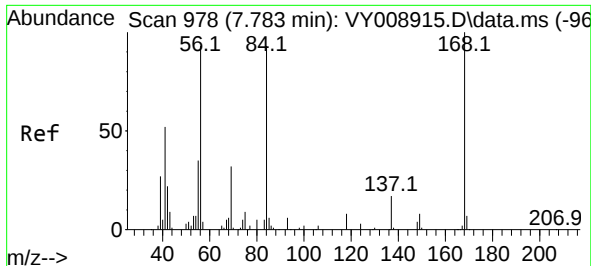
Tgt Ion: 43 Resp: 2117
Ion Ratio Lower Upper
43 100
58 35.7 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

Tgt Ion: 84 Resp: 5711
Ion Ratio Lower Upper
84 100
49 108.8 114.4 171.6#
51 36.1 35.3 52.9
86 50.3 53.7 80.5#

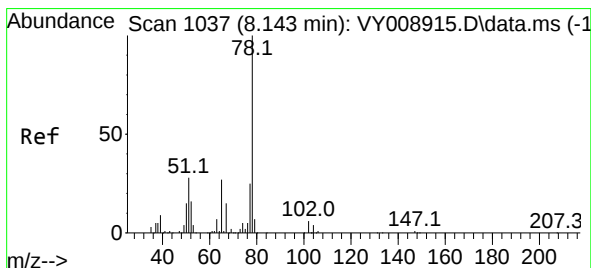
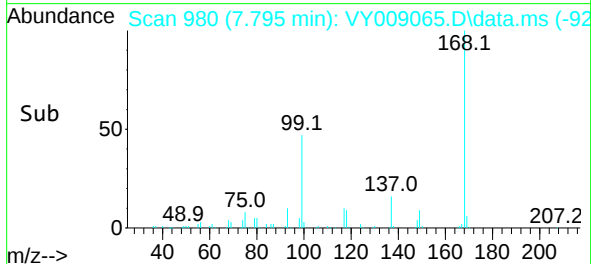
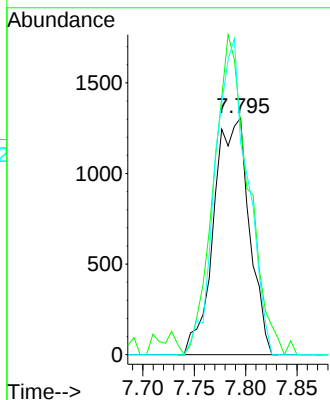
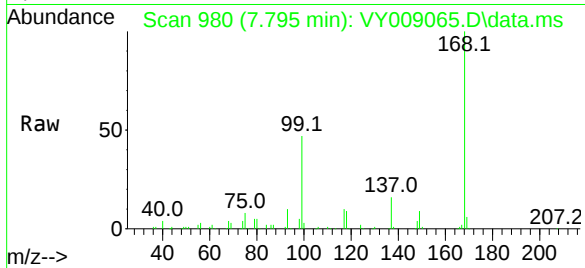




#31
Cyclohexane
Concen: 1.362 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

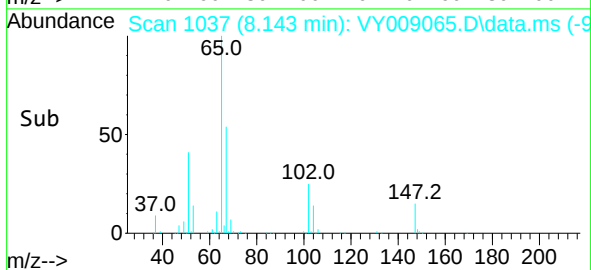
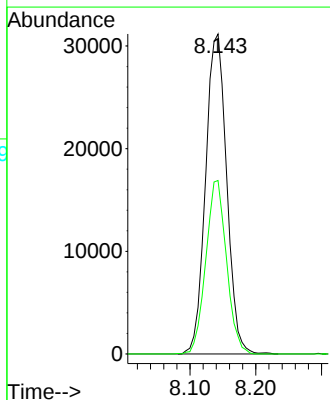
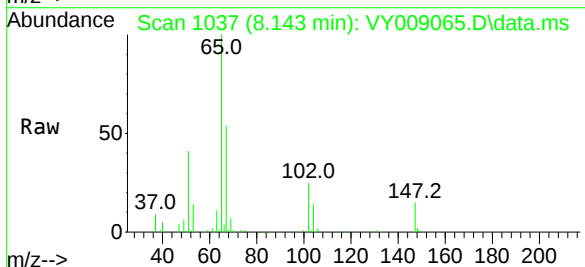
Instrument :
MSVOA_Y
ClientSampleId :
SB-13(0.5-1)

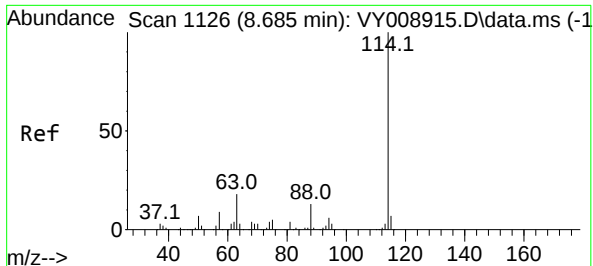
Tgt Ion: 56 Resp: 3132
Ion Ratio Lower Upper
56 100
69 93.5 26.7 40.1#
84 89.5 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 59.083 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

Tgt Ion: 65 Resp: 69453
Ion Ratio Lower Upper
65 100
67 53.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009065.D

Acq: 24 May 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

SB-13(0.5-1)

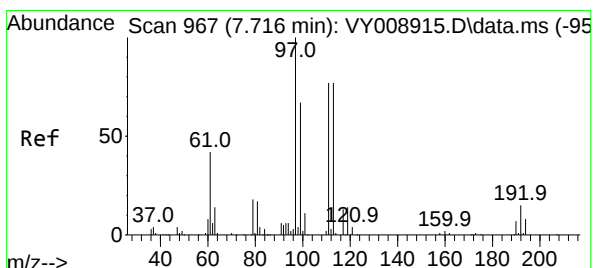
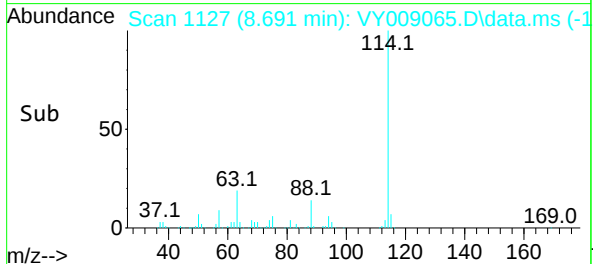
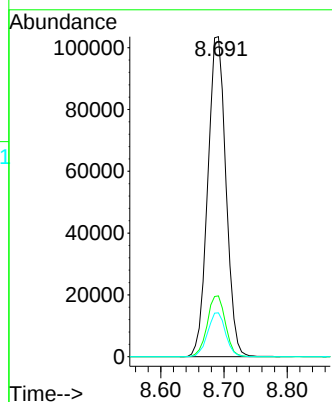
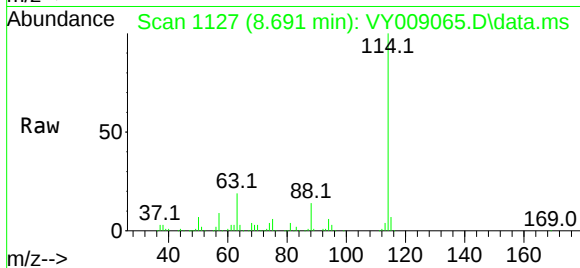
Tgt Ion:114 Resp: 206857

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.553 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009065.D

Acq: 24 May 2022 16:29

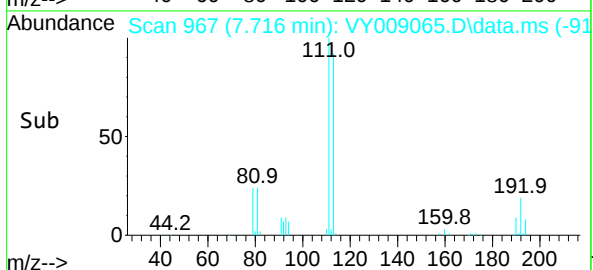
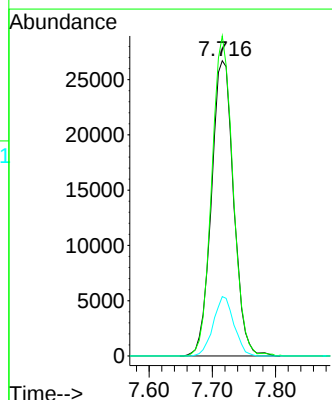
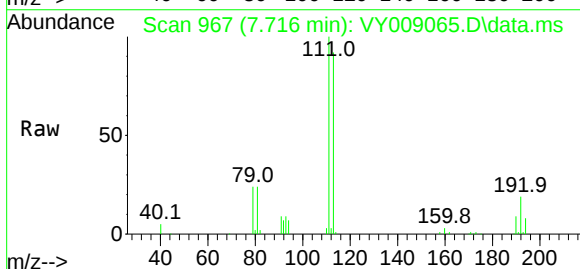
Tgt Ion:113 Resp: 65027

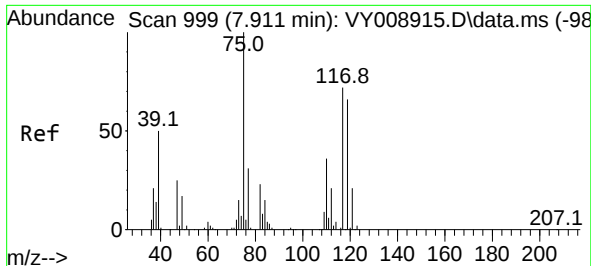
Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 18.7 17.6 26.4

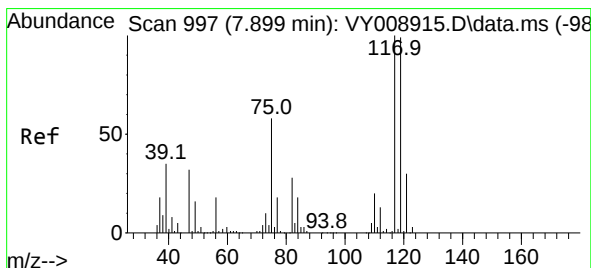
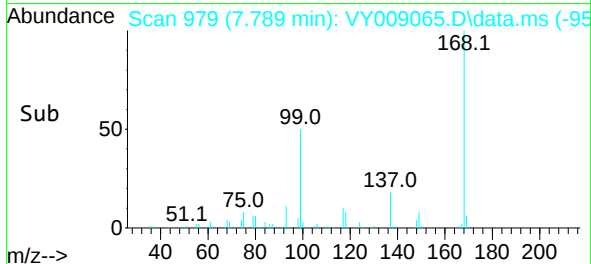
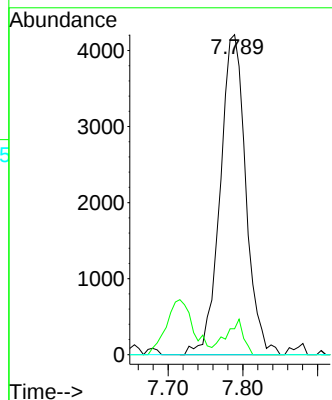
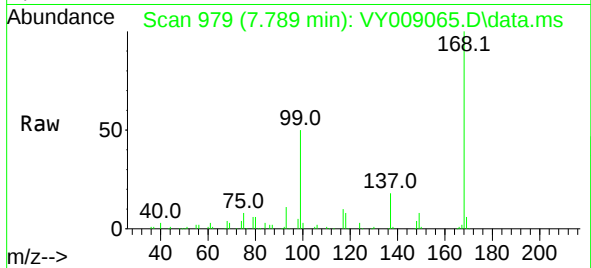




#36
1,1-Dichloropropene
Concen: 4.592 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

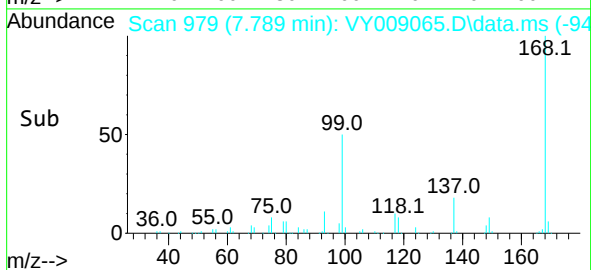
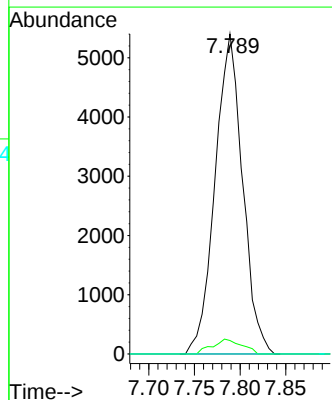
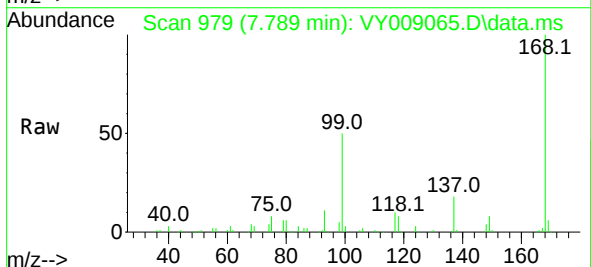
Instrument :
MSVOA_Y
ClientSampleId :
SB-13(0.5-1)

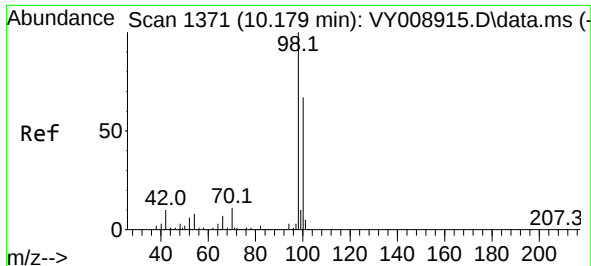
Tgt Ion: 75 Resp: 10053
Ion Ratio Lower Upper
75 100
110 7.5 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.938 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

Tgt Ion: 117 Resp: 11308
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#

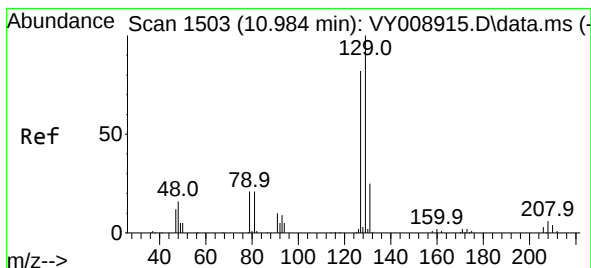
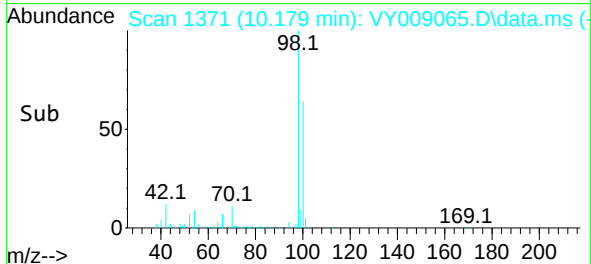
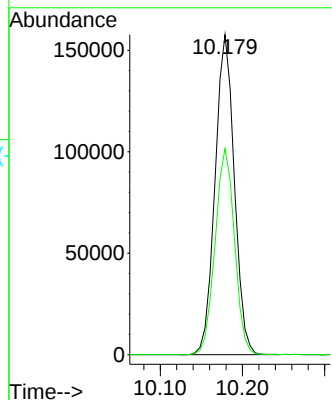
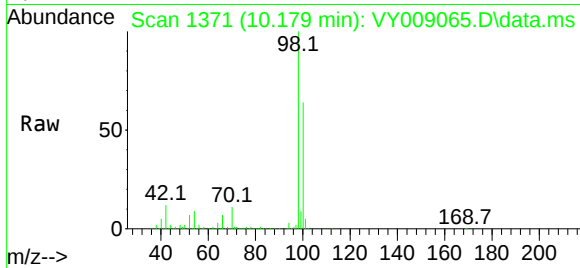




#50
Toluene-d8
Concen: 54.150 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

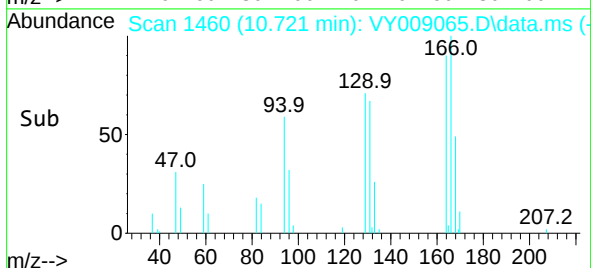
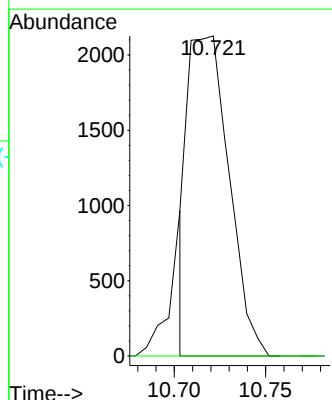
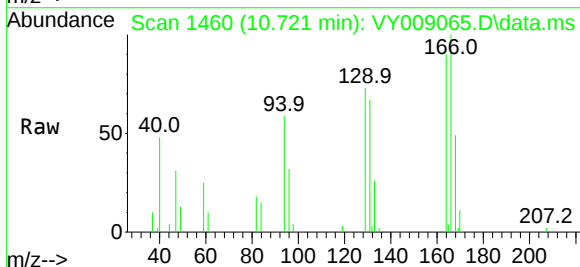
Instrument :
MSVOA_Y
ClientSampleId :
SB-13(0.5-1)

Tgt Ion: 98 Resp: 256966
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#60
Dibromochloromethane
Concen: 2.028 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.263 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

Tgt Ion:129 Resp: 3315
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#





#62

4-Bromofluorobenzene

Concen: 37.535 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009065.D

Acq: 24 May 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

SB-13(0.5-1)

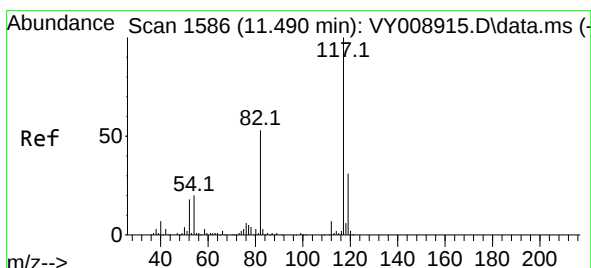
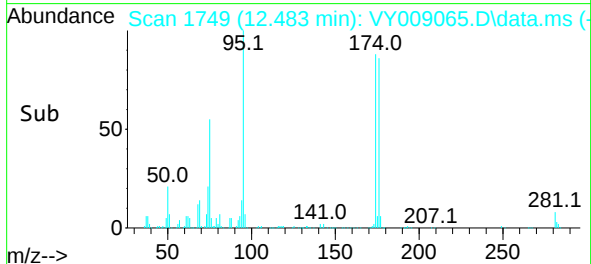
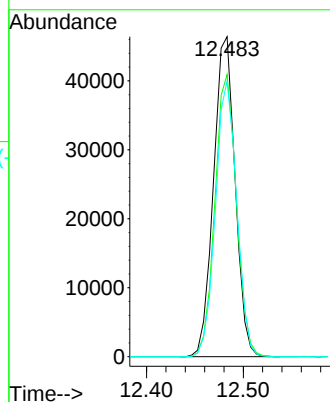
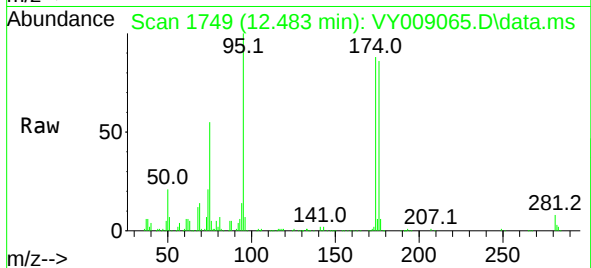
Tgt Ion: 95 Resp: 71852

Ion Ratio Lower Upper

95 100

174 87.8 0.0 177.0

176 84.8 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY009065.D

Acq: 24 May 2022 16:29

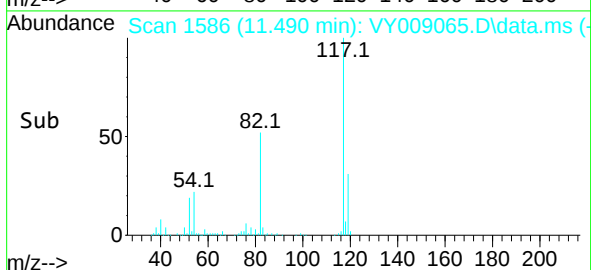
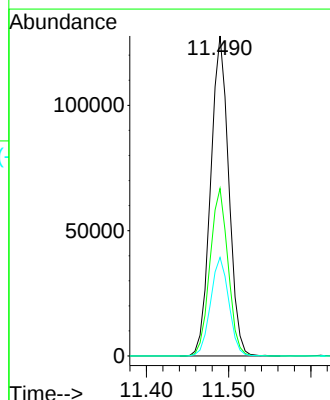
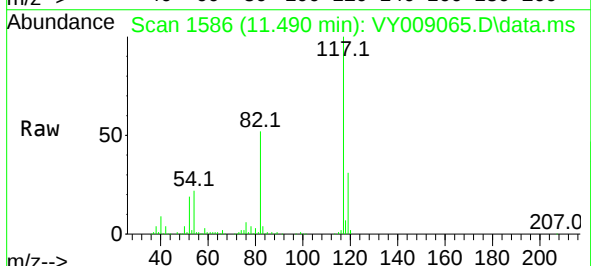
Tgt Ion: 117 Resp: 195081

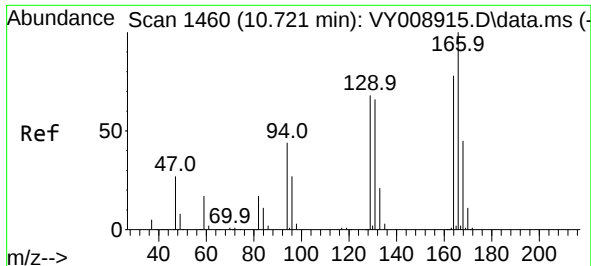
Ion Ratio Lower Upper

117 100

82 52.4 43.0 64.4

119 30.8 25.4 38.0

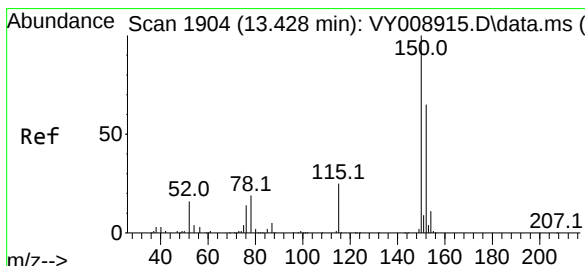
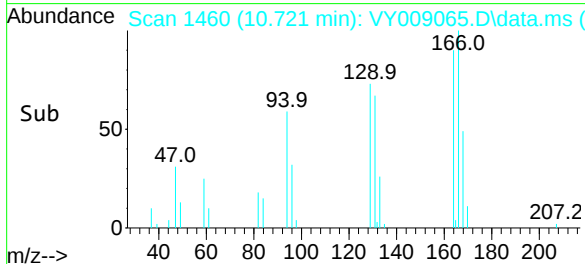
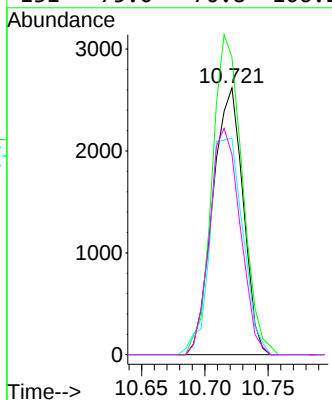
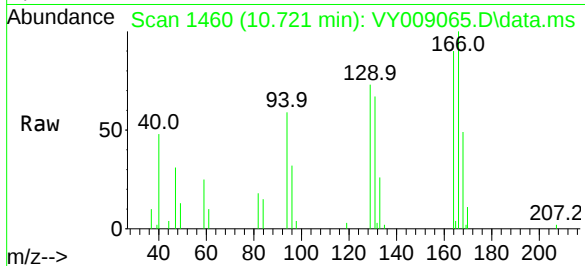




#64
Tetrachloroethene
Concen: 3.074 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

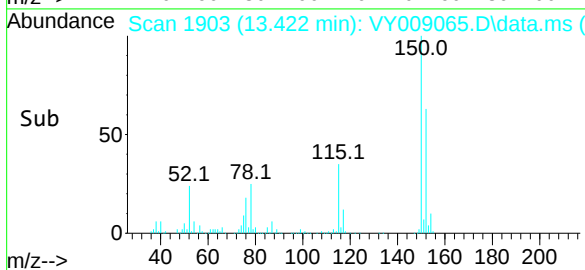
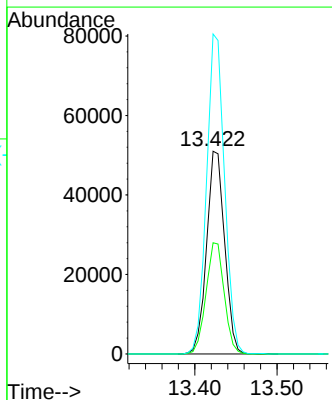
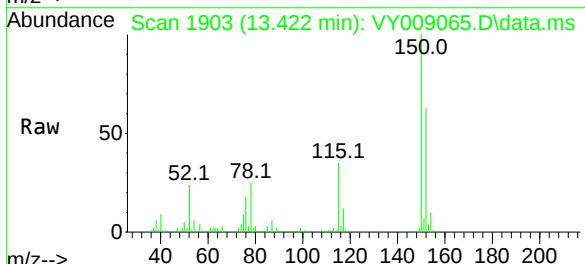
Instrument :
MSVOA_Y
ClientSampleId :
SB-13(0.5-1)

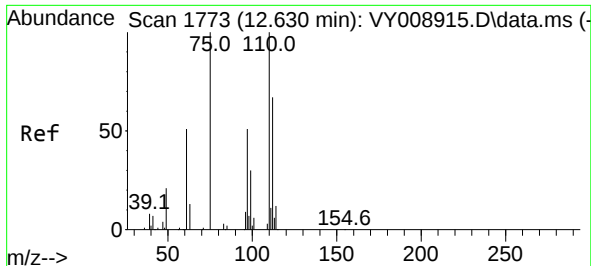
Tgt Ion:164	Resp:	4365
Ion	Ratio	Lower Upper
164	100	
166	111.4	100.4 150.6
129	81.2	71.4 107.0
131	75.0	70.8 106.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

Tgt Ion:152	Resp:	77696
Ion	Ratio	Lower Upper
152	100	
115	55.2	28.2 84.7
150	157.3	0.0 347.6

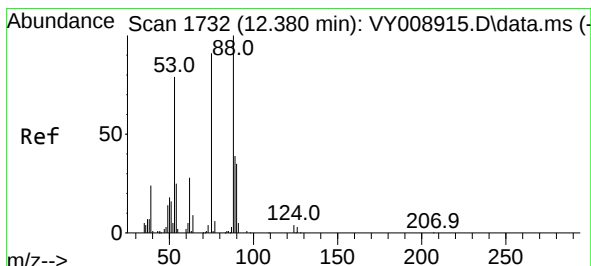
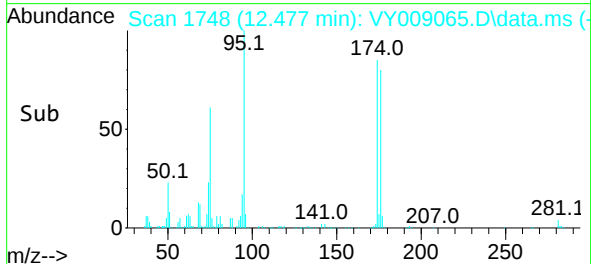
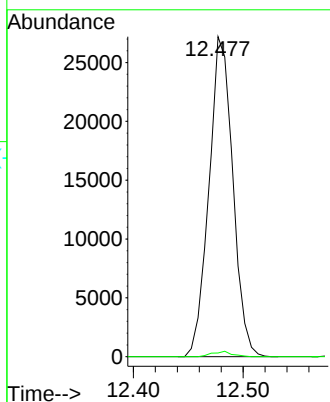
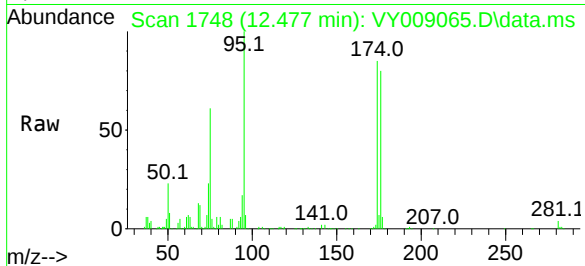




#76
1,2,3-Trichloropropane
Concen: 49.331 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-13(0.5-1)

Tgt Ion: 75 Resp: 41160
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.252 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY009065.D
Acq: 24 May 2022 16:29

Tgt Ion: 75 Resp: 41160
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

