

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021225\
 Data File : VY021180.D
 Acq On : 12 Feb 2025 13:49
 Operator : SY/MD
 Sample : Q1354-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 13 08:41:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

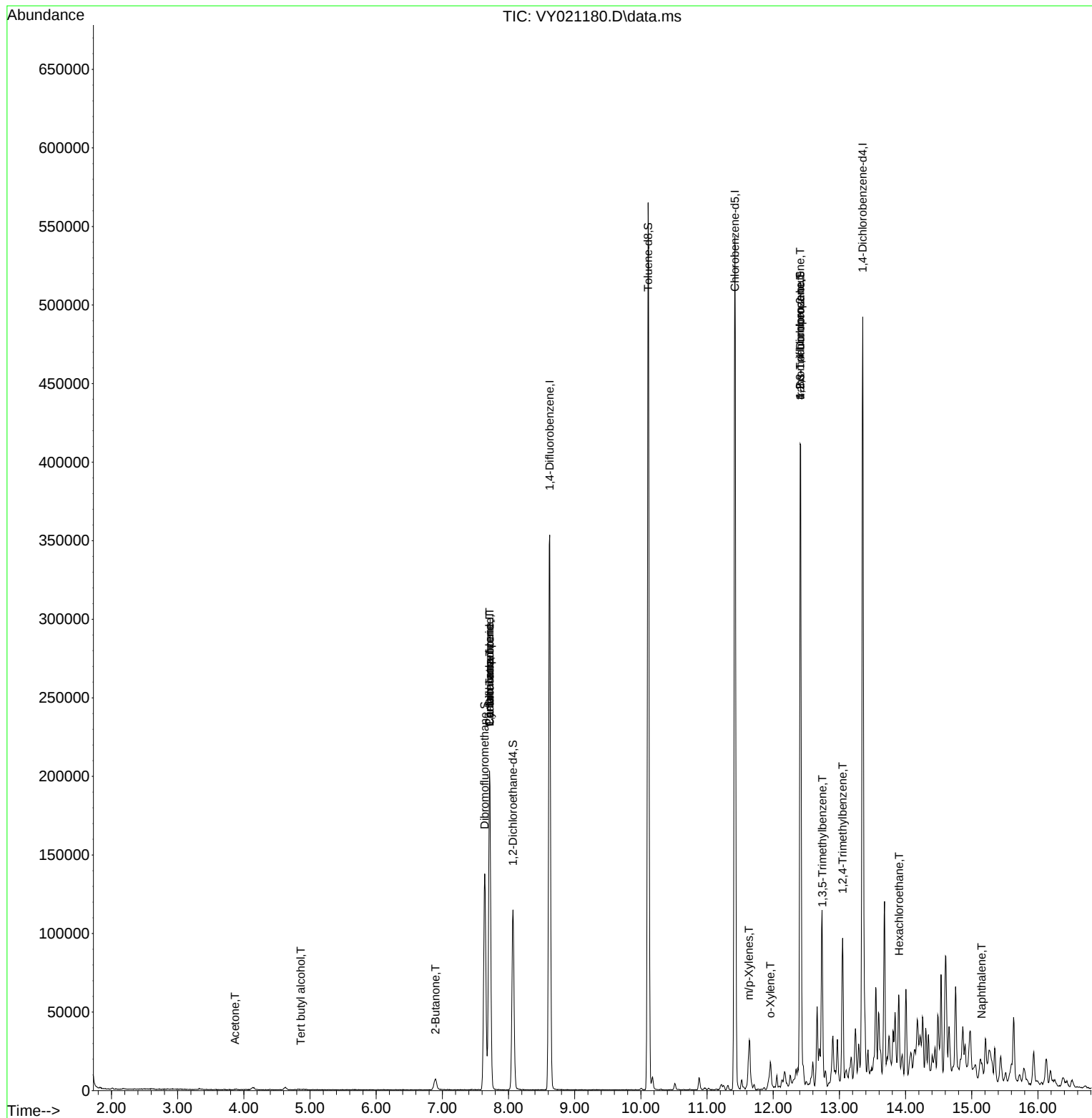
Internal Standards						
1) Pentafluorobenzene	7.713	168	151733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	289870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	272844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	116211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93111	59.893	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.780%	
35) Dibromofluoromethane	7.640	113	95083	51.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.360%	
50) Toluene-d8	10.109	98	352565	49.851	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.700%	
62) 4-Bromofluorobenzene	12.408	95	120964	52.354	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	491	4.661	ug/l #	75
16) Acetone	3.866	43	620	2.557	ug/l	90
25) 2-Butanone	6.896	43	556	1.396	ug/l #	48
31) Cyclohexane	7.713	56	3475	1.311	ug/l #	9
36) 1,1-Dichloropropene	7.713	75	12732	4.627	ug/l #	51
38) Carbon Tetrachloride	7.713	117	15933	4.956	ug/l #	16
68) m/p-Xylenes	11.633	106	5389	1.341	ug/l	96
69) o-Xylene	11.956	106	3778	1.008	ug/l	98
76) 1,2,3-Trichloropropane	12.408	75	67670	64.192	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.743	105	11336	1.540	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.408	75	67670	130.983	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.048	105	46455	6.455	ug/l	99
90) Hexachloroethane	13.901	117	2055	1.231	ug/l #	17
95) Naphthalene	15.151	128	4631	1.481	ug/l #	90

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

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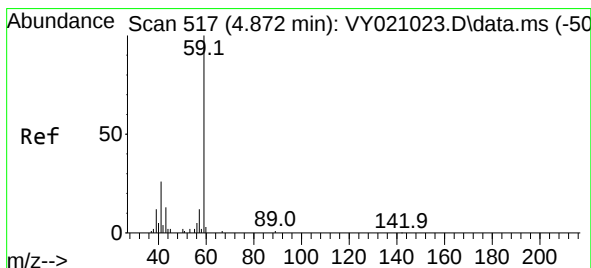
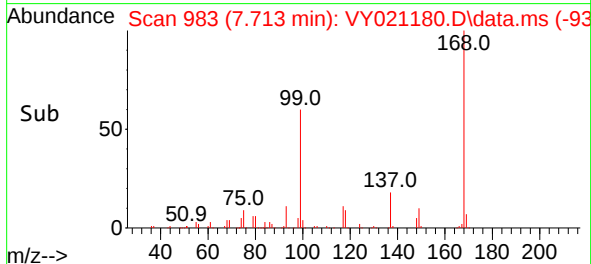
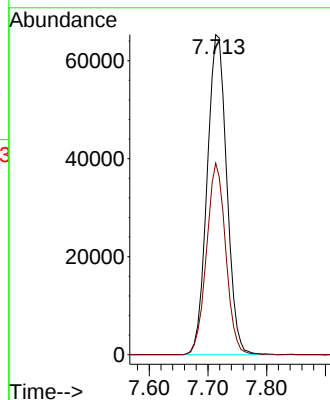
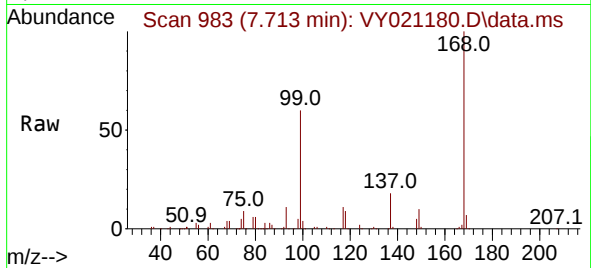




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021180.D
Acq: 12 Feb 2025 13:49

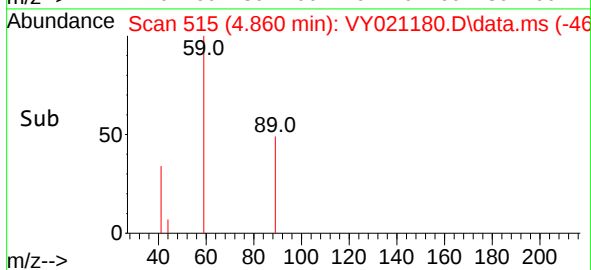
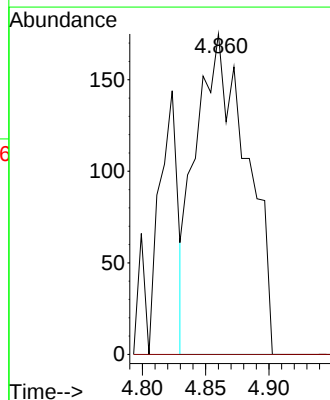
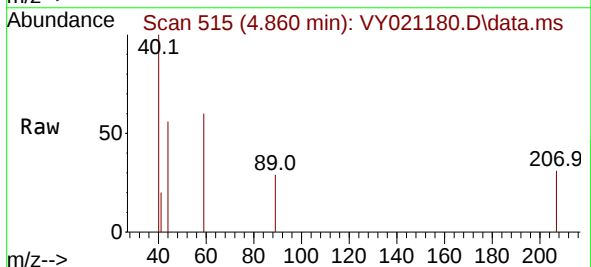
Instrument :
MSVOA_Y
ClientSampleId :

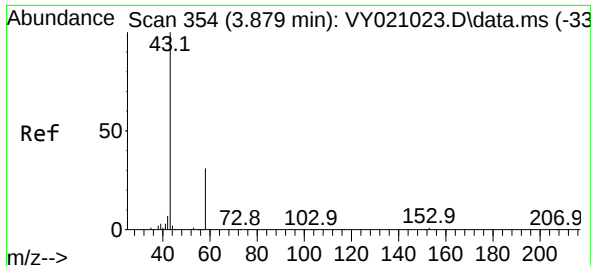
Tgt Ion:168 Resp: 151733
Ion Ratio Lower Upper
168 100
99 59.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.661 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY021180.D
Acq: 12 Feb 2025 13:49

Tgt Ion: 59 Resp: 491
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

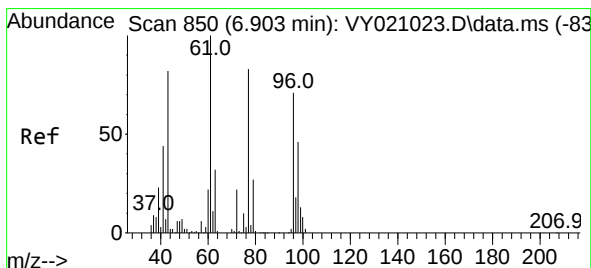
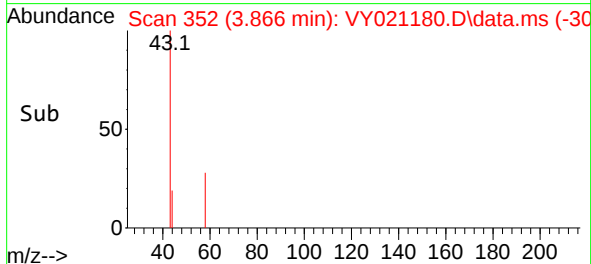
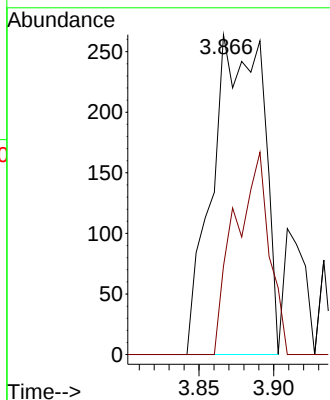
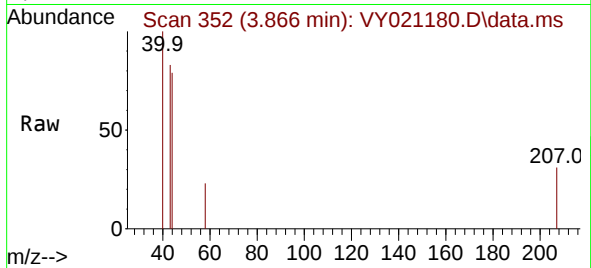




#16
Acetone
Concen: 2.557 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY021180.D
Acq: 12 Feb 2025 13:49

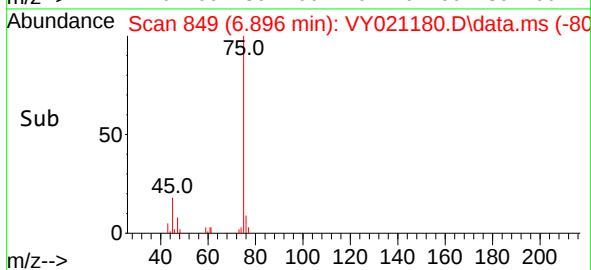
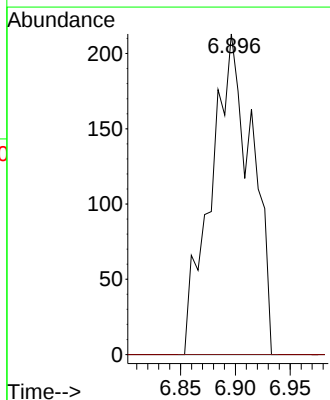
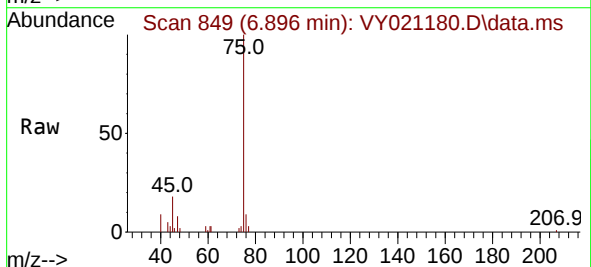
Instrument :
MSVOA_Y
ClientSampleId :

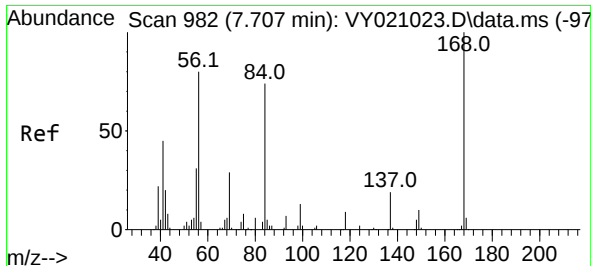
Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
58 27.7 26.6 39.8



#25
2-Butanone
Concen: 1.396 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021180.D
Acq: 12 Feb 2025 13:49

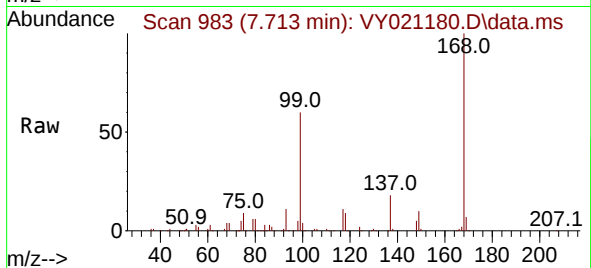
Tgt Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



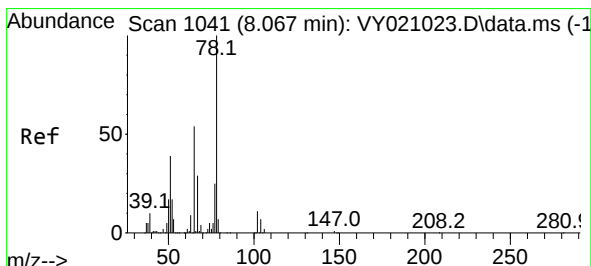
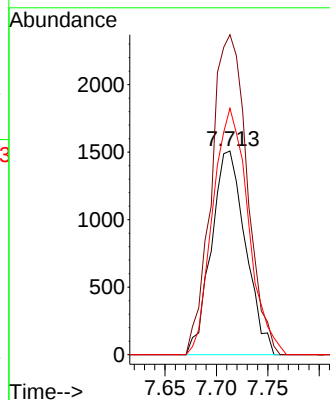
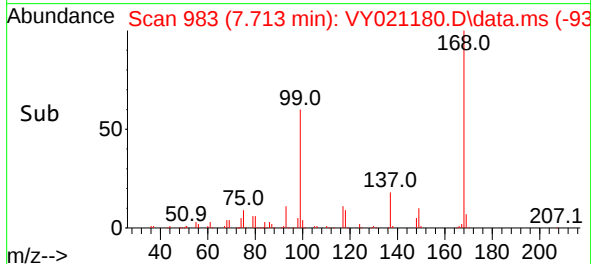


#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021180.D
Acq: 12 Feb 2025 13:49

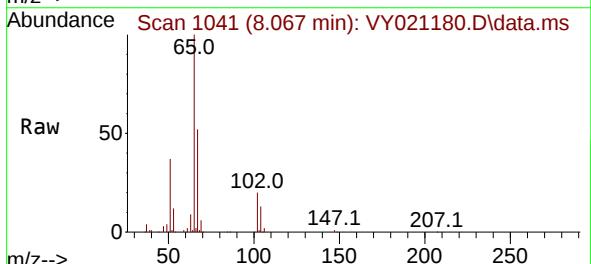
Instrument :
MSVOA_Y
ClientSampleId :



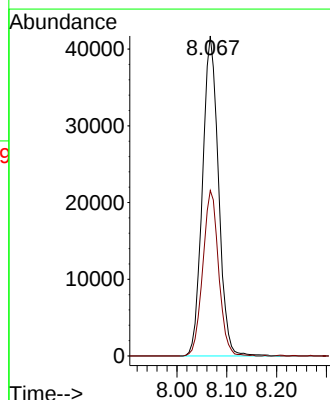
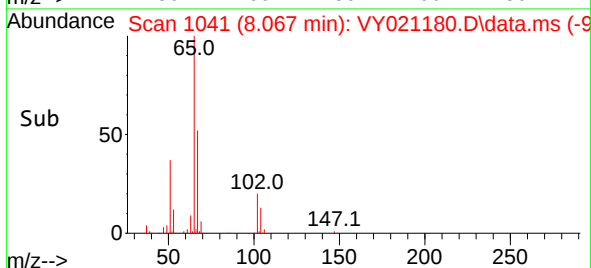
Tgt Ion: 56 Resp: 3475
Ion Ratio Lower Upper
56 100
69 157.2 27.0 40.6#
84 130.6 71.8 107.6#

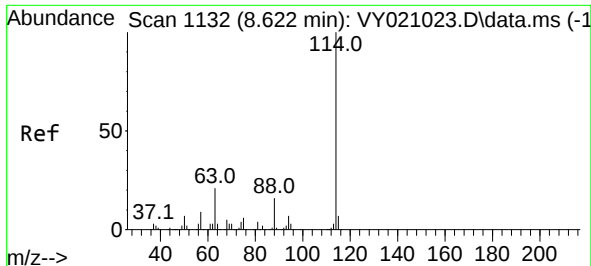


#33
1,2-Dichloroethane-d4
Concen: 59.893 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021180.D
Acq: 12 Feb 2025 13:49



Tgt Ion: 65 Resp: 93111
Ion Ratio Lower Upper
65 100
67 51.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021180.D

Acq: 12 Feb 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

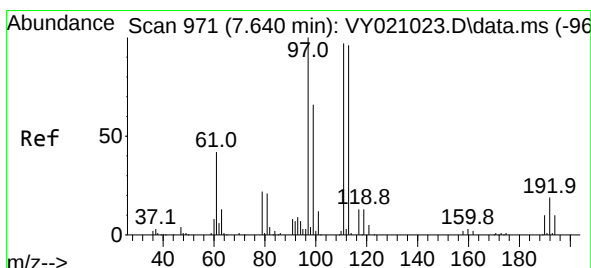
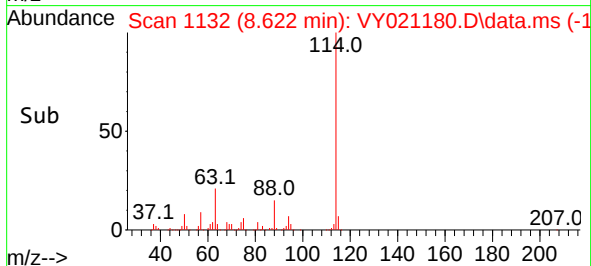
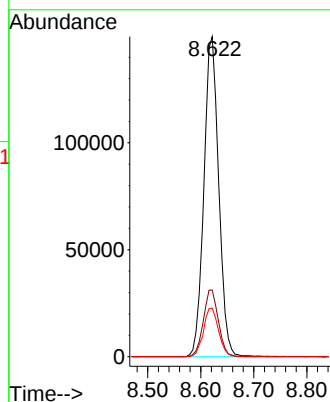
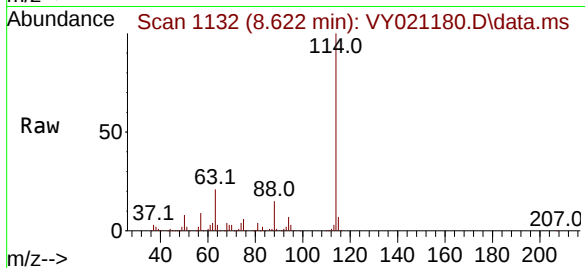
Tgt Ion:114 Resp: 289870

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.184 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021180.D

Acq: 12 Feb 2025 13:49

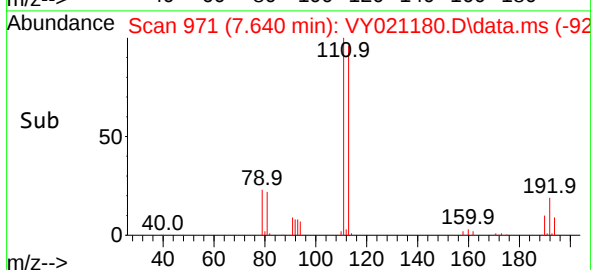
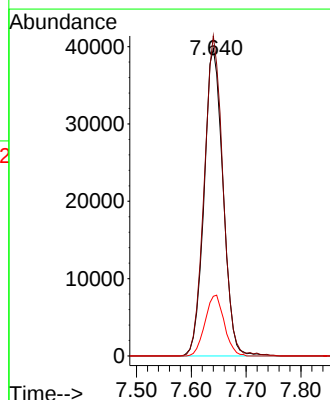
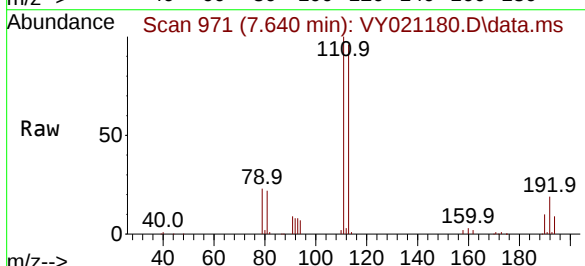
Tgt Ion:113 Resp: 95083

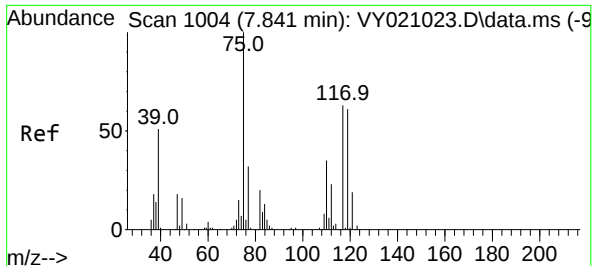
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 20.1 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.627 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021180.D

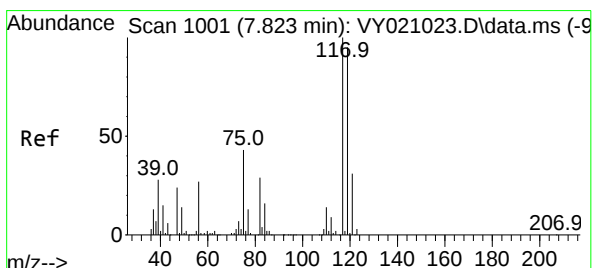
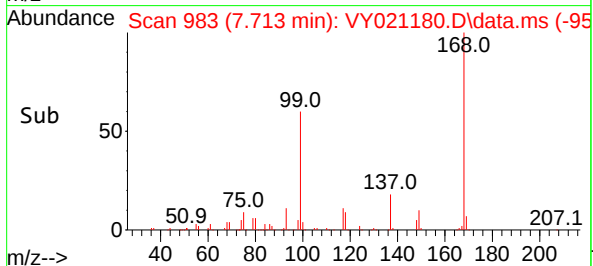
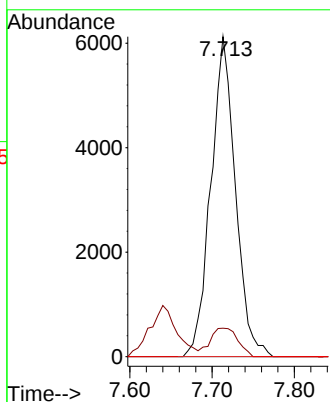
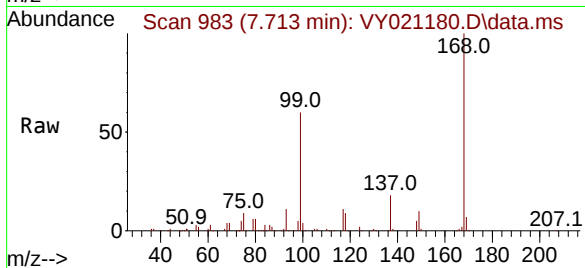
Acq: 12 Feb 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 12732
Ion Ratio	Lower Upper
75 100	
110 10.0	17.4 52.3#
77 0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.956 ug/l

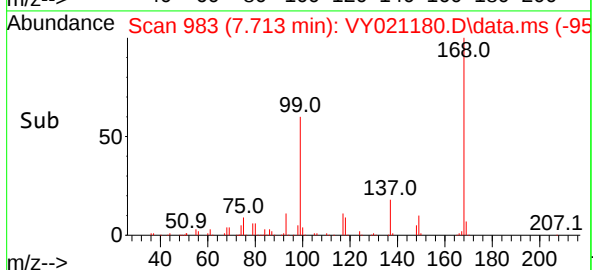
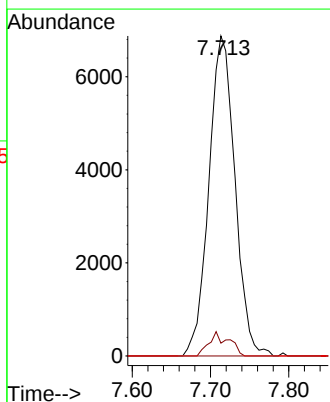
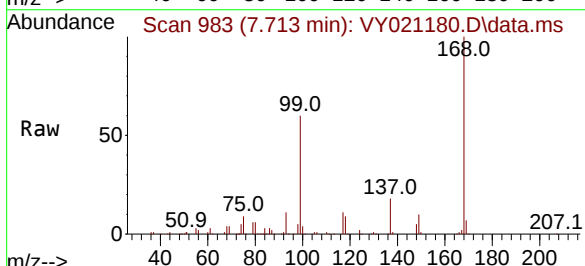
RT: 7.713 min Scan# 983

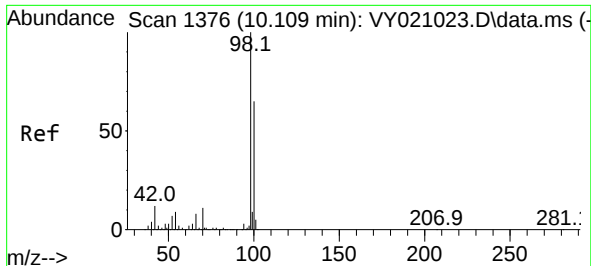
Delta R.T. -0.110 min

Lab File: VY021180.D

Acq: 12 Feb 2025 13:49

Tgt Ion: 117	Resp: 15933
Ion Ratio	Lower Upper
117 100	
119 4.0	76.0 114.0#
121 0.0	24.2 36.2#

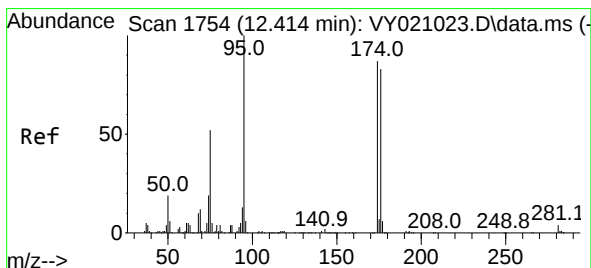
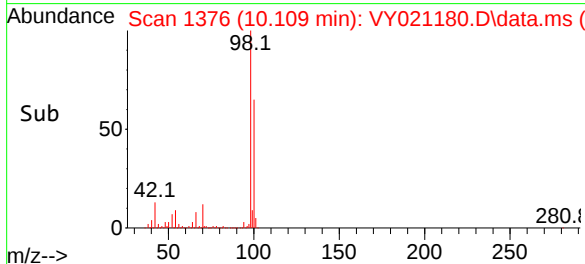
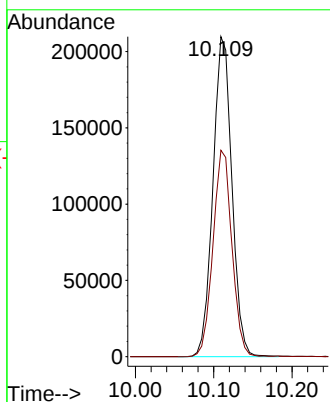
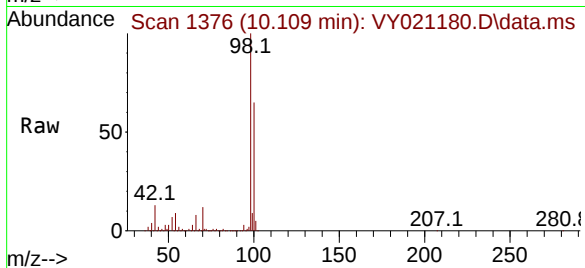




#50
Toluene-d8
Concen: 49.851 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021180.D
Acq: 12 Feb 2025 13:49

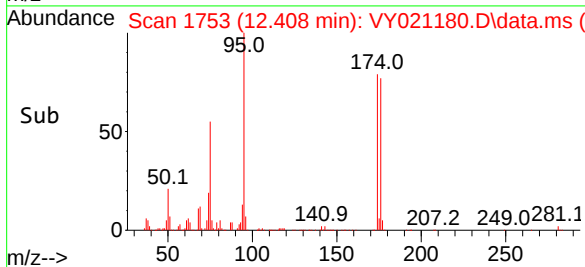
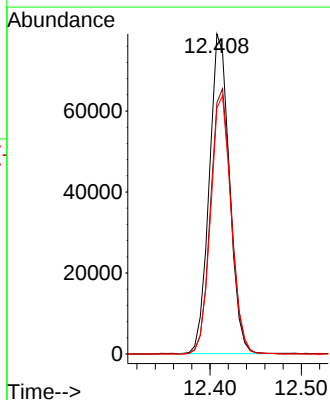
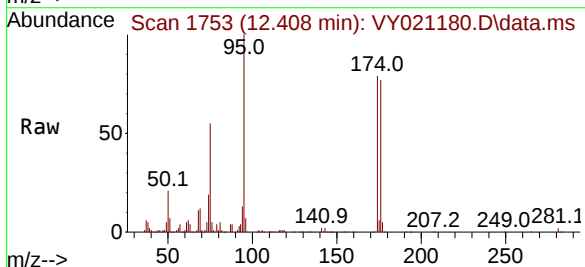
Instrument :
MSVOA_Y
ClientSampleId :

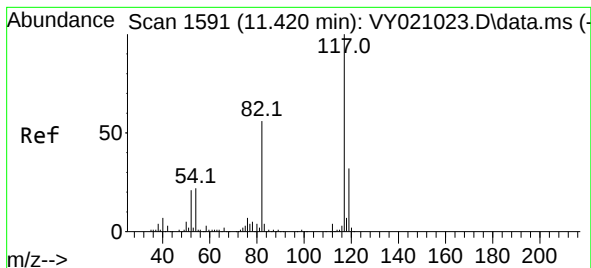
Tgt Ion: 98 Resp: 352565
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 52.354 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021180.D
Acq: 12 Feb 2025 13:49

Tgt Ion: 95 Resp: 120964
Ion Ratio Lower Upper
95 100
174 85.1 0.0 160.0
176 82.3 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021180.D

Acq: 12 Feb 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

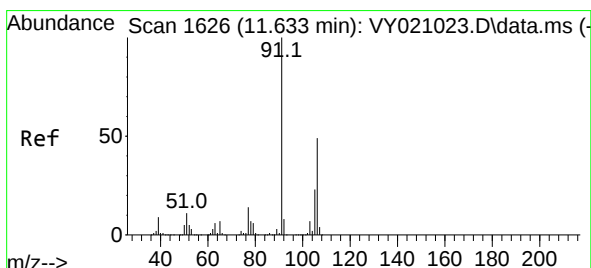
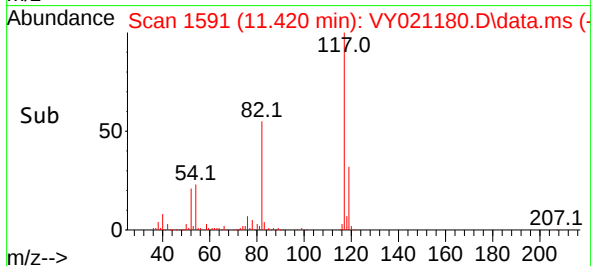
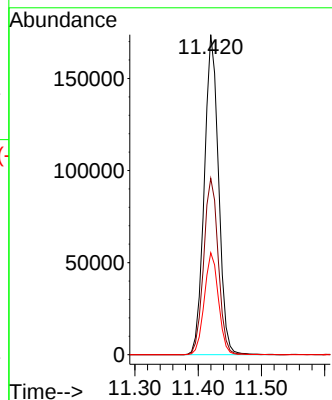
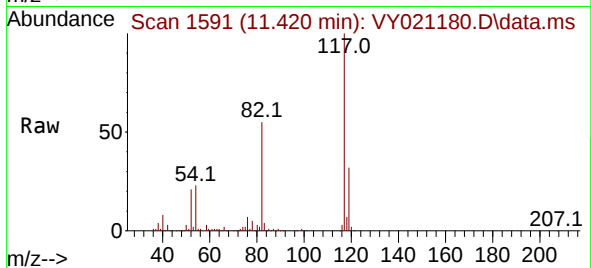
Tgt Ion:117 Resp: 272844

Ion Ratio Lower Upper

117 100

82 55.1 43.8 65.8

119 31.8 26.5 39.7



#68

m/p-Xylenes

Concen: 1.341 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VY021180.D

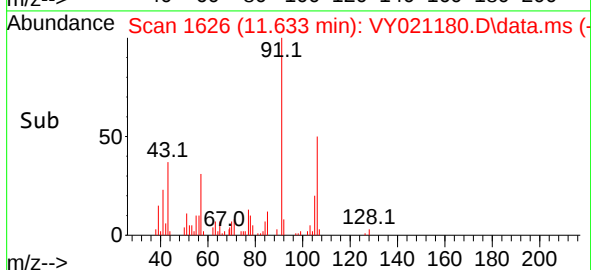
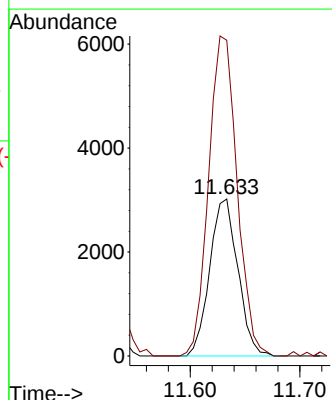
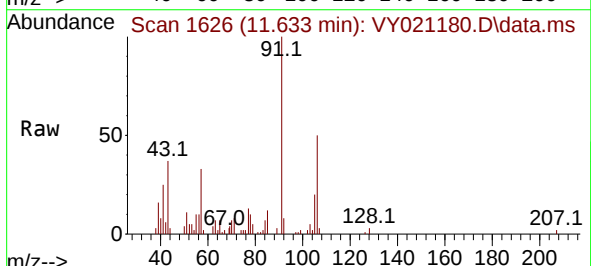
Acq: 12 Feb 2025 13:49

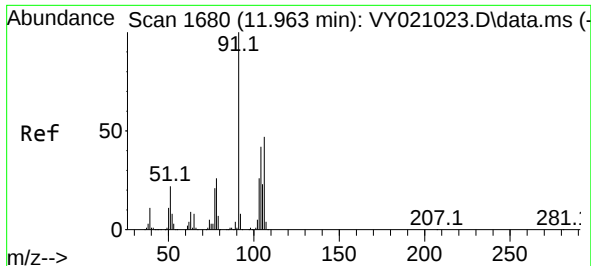
Tgt Ion:106 Resp: 5389

Ion Ratio Lower Upper

106 100

91 206.2 160.7 241.1

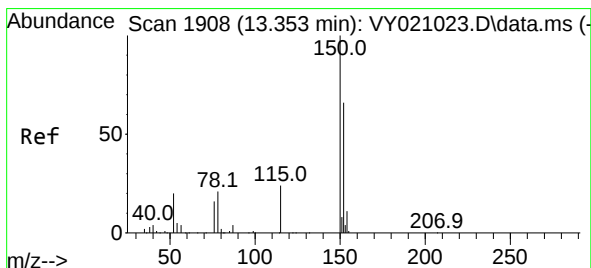
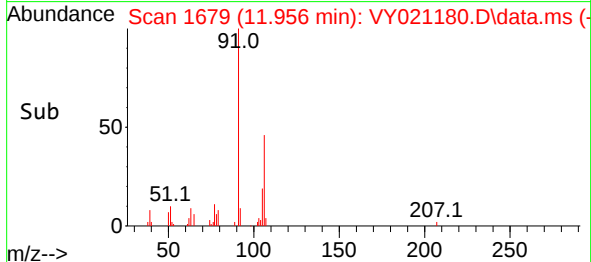
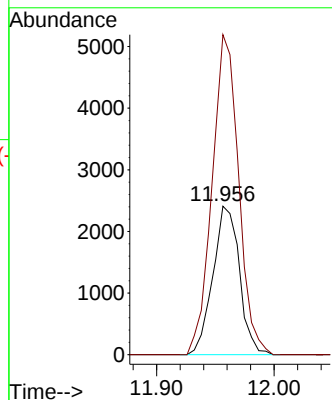
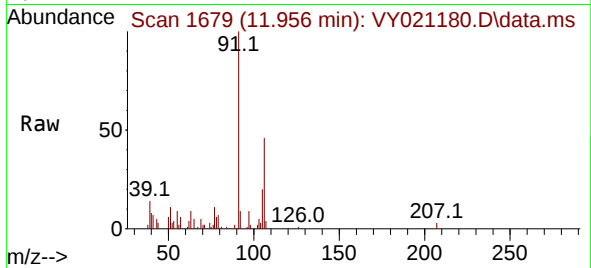




#69
o-Xylene
Concen: 1.008 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021180.D
Acq: 12 Feb 2025 13:49

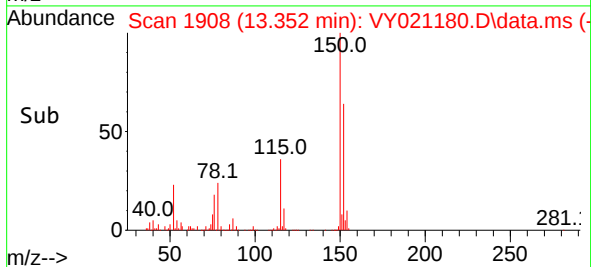
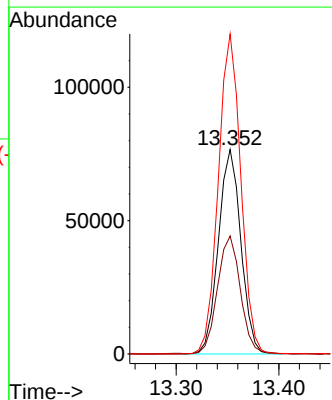
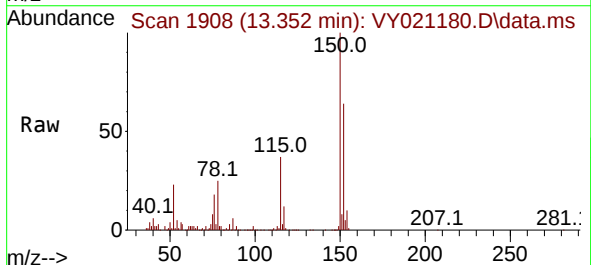
Instrument :
MSVOA_Y
ClientSampleId :

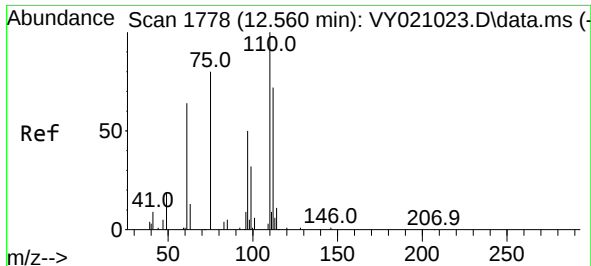
Tgt Ion:106 Resp: 3778
Ion Ratio Lower Upper
106 100
91 215.7 106.5 319.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021180.D
Acq: 12 Feb 2025 13:49

Tgt Ion:152 Resp: 116211
Ion Ratio Lower Upper
152 100
115 59.0 30.0 90.0
150 156.5 0.0 344.6

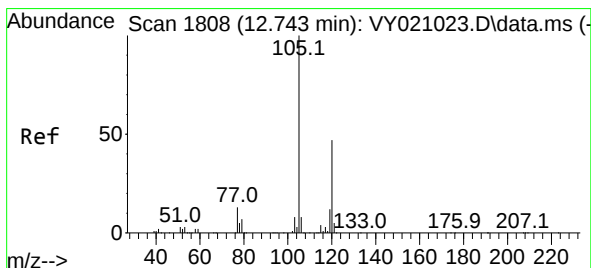
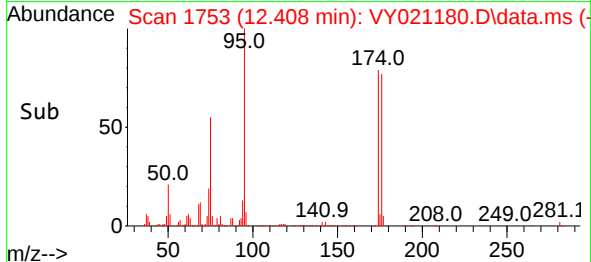
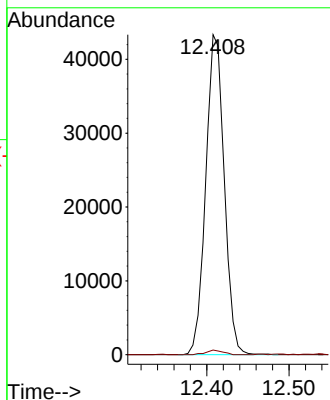
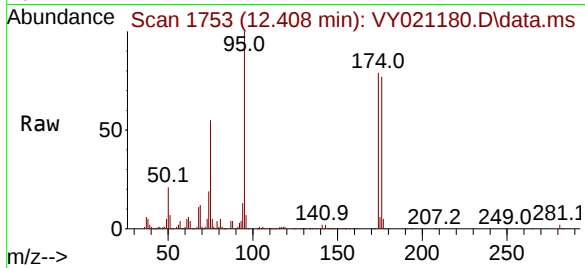




#76
 1,2,3-Trichloropropane
 Concen: 64.192 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.153 min
 Lab File: VY021180.D
 Acq: 12 Feb 2025 13:49

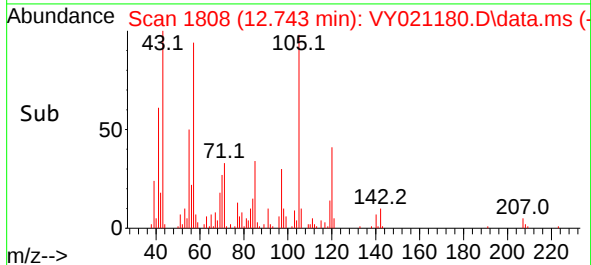
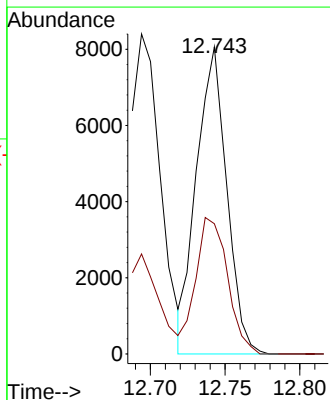
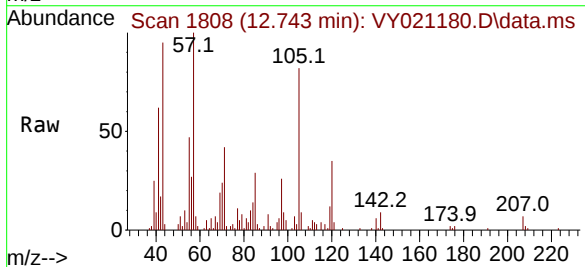
Instrument :
 MSVOA_Y
 ClientSampleId :

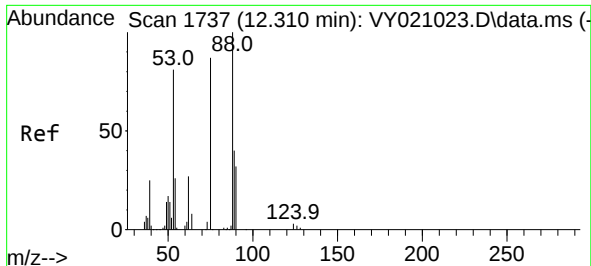
Tgt Ion: 75 Resp: 67670
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.540 ug/l
 RT: 12.743 min Scan# 1808
 Delta R.T. -0.000 min
 Lab File: VY021180.D
 Acq: 12 Feb 2025 13:49

Tgt Ion: 105 Resp: 11336
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.3 72.8

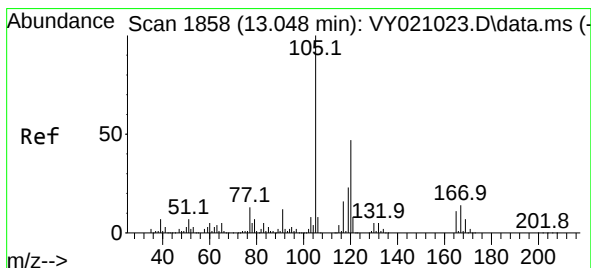
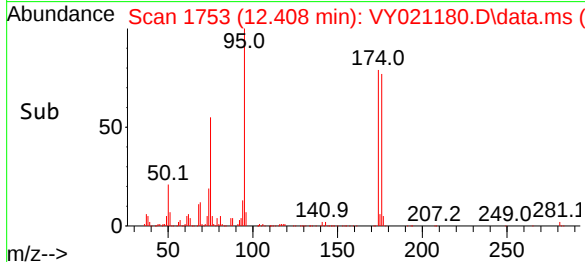
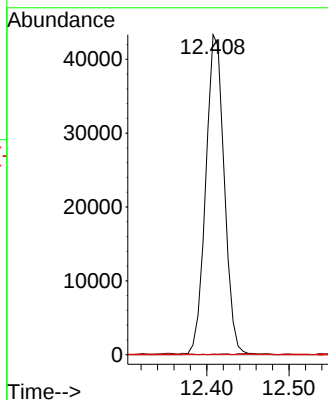
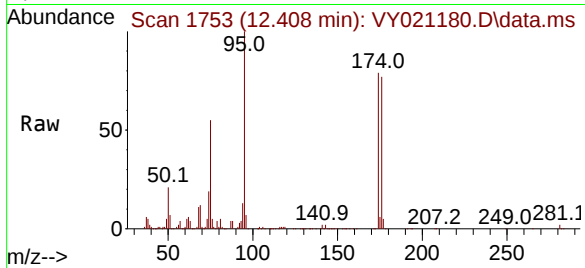




#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.983 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.097 min
 Lab File: VY021180.D
 Acq: 12 Feb 2025 13:49

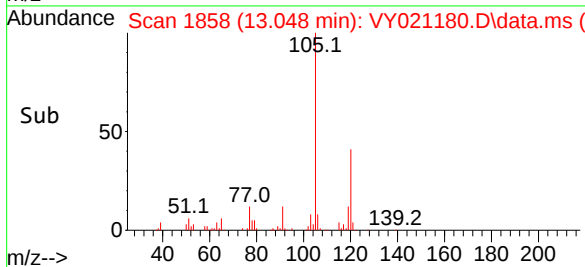
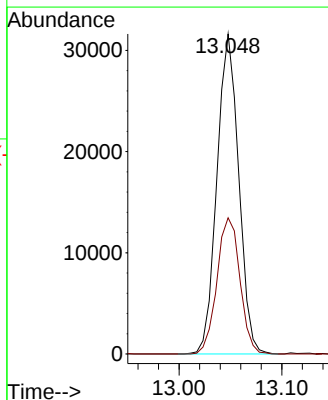
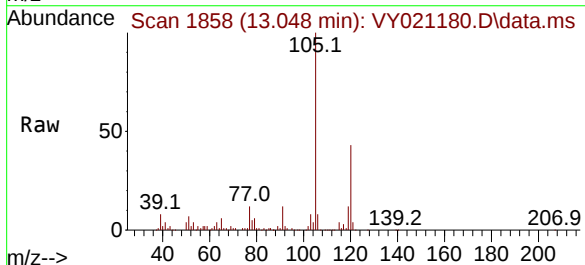
Instrument :
 MSVOA_Y
 ClientSampleId :

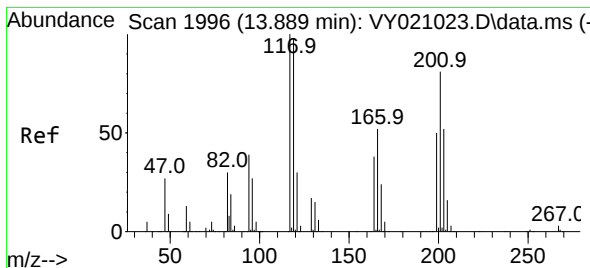
Tgt Ion: 75 Resp: 67670
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.0 111.0#
 89 0.0 36.5 54.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 6.455 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. -0.000 min
 Lab File: VY021180.D
 Acq: 12 Feb 2025 13:49

Tgt Ion: 105 Resp: 46455
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.1 66.3





#90

Hexachloroethane

Concen: 1.231 ug/l

RT: 13.901 min Scan# 1998

Delta R.T. 0.012 min

Lab File: VY021180.D

Acq: 12 Feb 2025 13:49

Instrument :

MSVOA_Y

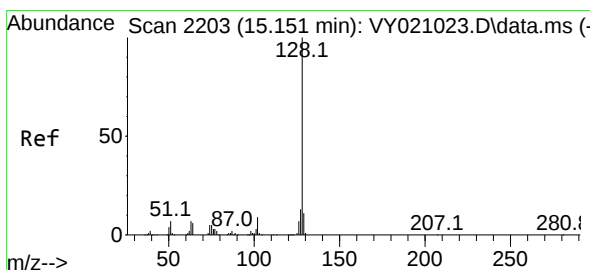
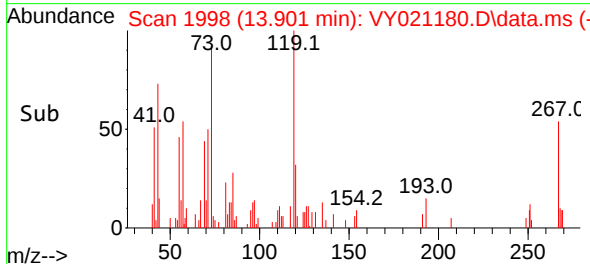
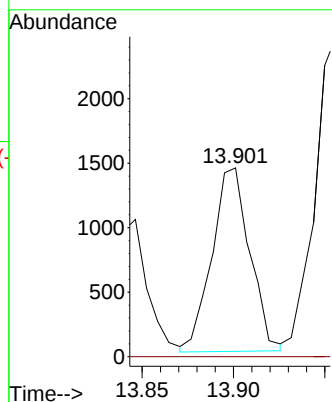
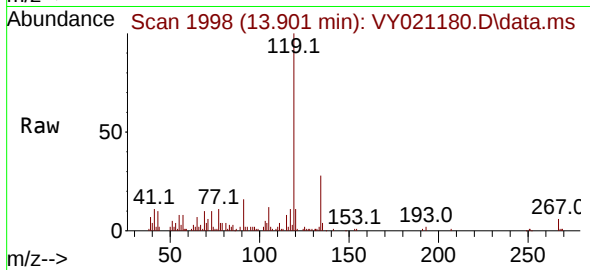
ClientSampleId :

Tgt Ion:117 Resp: 2055

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.1#



#95

Naphthalene

Concen: 1.481 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY021180.D

Acq: 12 Feb 2025 13:49

Tgt Ion:128 Resp: 4631

Ion Ratio Lower Upper

128 100

127 17.1 10.2 15.4#

129 7.4 8.6 12.8#

