

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022051.D
 Acq On : 29 Apr 2025 11:56
 Operator : SY/MD
 Sample : IBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HW0425-PT-VOA-SOILDL

Quant Time: Apr 30 01:33:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

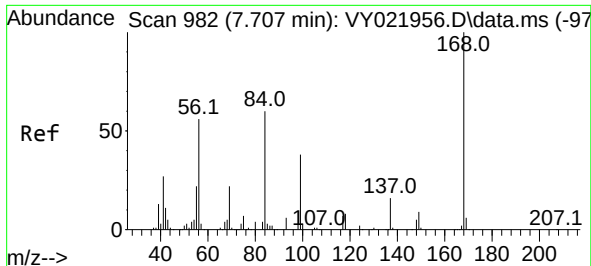
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	337580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	620881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	526854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	184068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144932	46.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.960%		
35) Dibromofluoromethane	7.634	113	201379	49.094	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.180%		
50) Toluene-d8	10.109	98	724399	46.844	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.680%		
62) 4-Bromofluorobenzene	12.408	95	190299	36.555	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	73.120%		
Target Compounds						
16) Acetone	3.885	43	378	Below Cal	#	41
31) Cyclohexane	7.707	56	6229	1.208	ug/l #	35
36) 1,1-Dichloropropene	7.707	75	23914	4.340	ug/l #	48
38) Carbon Tetrachloride	7.713	117	32625	4.955	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	89407	56.708	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	89407	136.560	ug/l #	16

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

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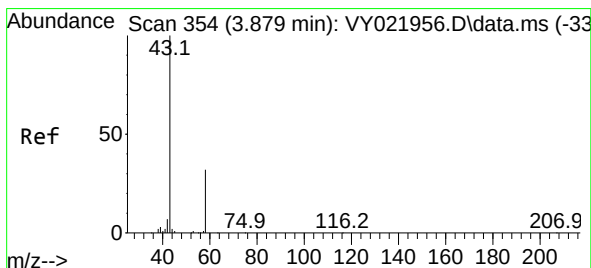
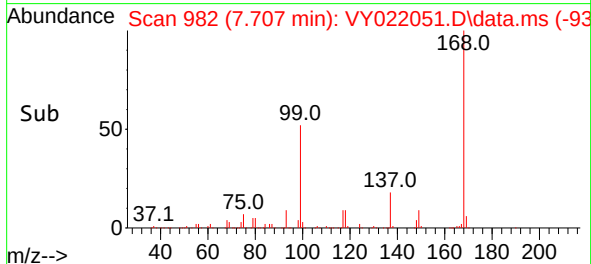
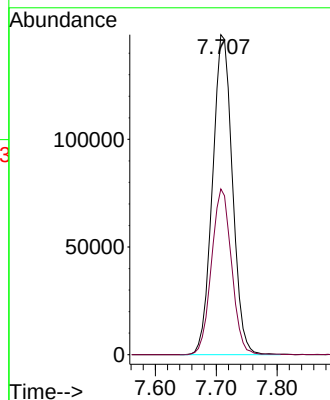
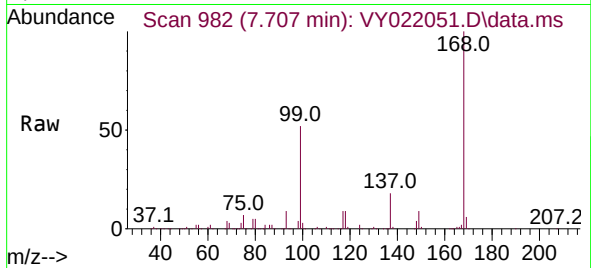
Chromatogram plot showing Abundance vs Time (min). The plot displays several sharp peaks corresponding to different compounds. The x-axis ranges from 2.00 to 16.00 minutes, and the y-axis ranges from 0 to 1,300,000 abundance units. The peaks are labeled with their respective compound names: 1,2-Dichloroethane-d4, S; Dibromofluoromethane, S; 1,2-Dichloroethane, T; 1,4-Difluorobenzene, I; Toluene-d8, S; Chlorobenzene-d5, I; 1,2-Dichloroethane, S; 1,2-Dichloroethane, T; and 1,4-Dichlorobenzene-d4, I.



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022051.D
Acq: 29 Apr 2025 11:56

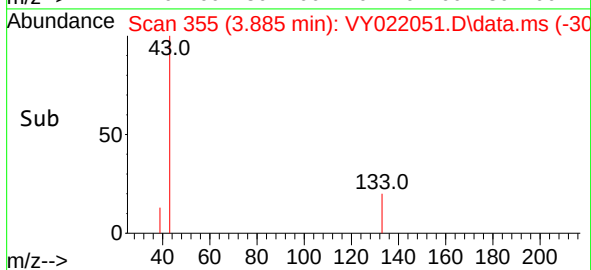
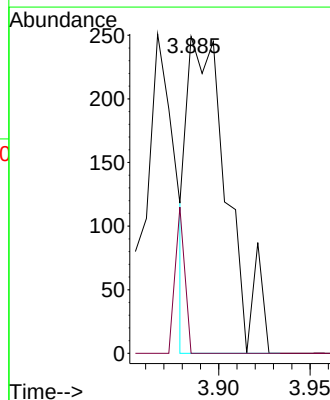
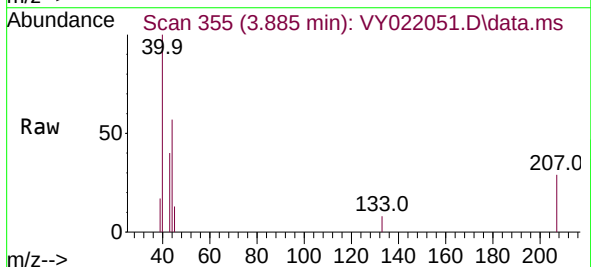
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

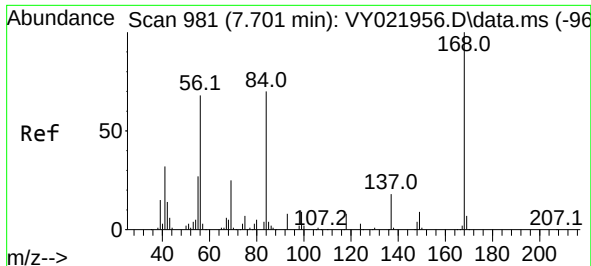
Tgt Ion:168 Resp: 337580
Ion Ratio Lower Upper
168 100
99 51.8 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022051.D
Acq: 29 Apr 2025 11:56

Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

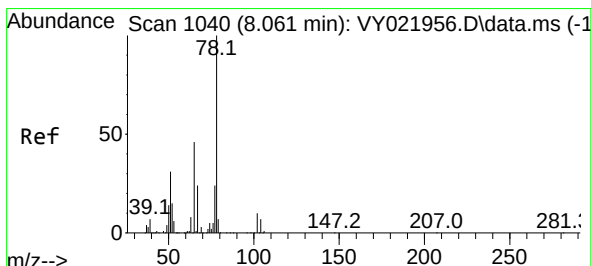
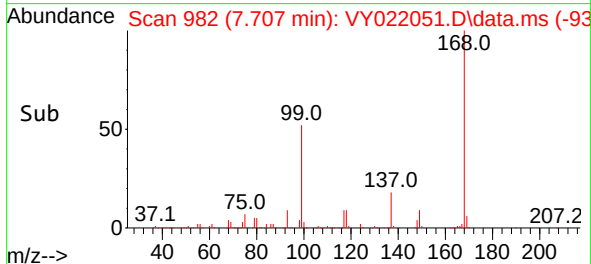
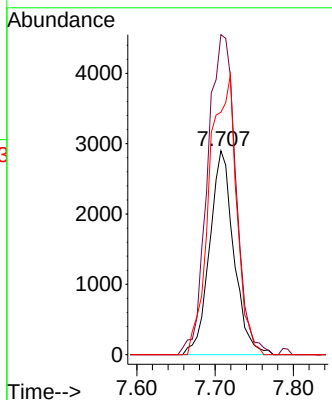
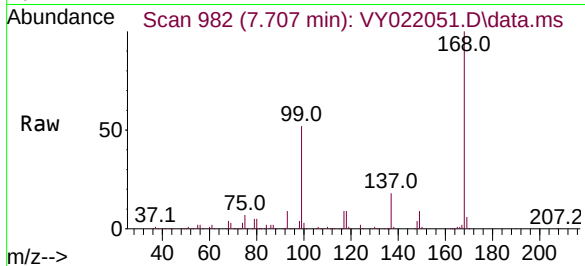




#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022051.D
Acq: 29 Apr 2025 11:56

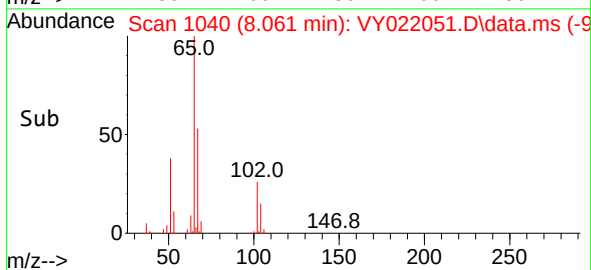
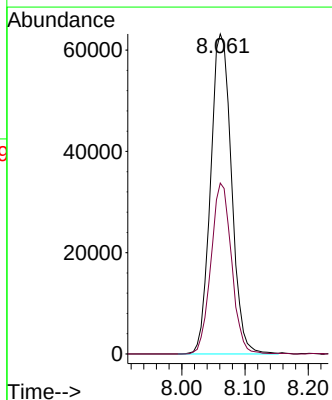
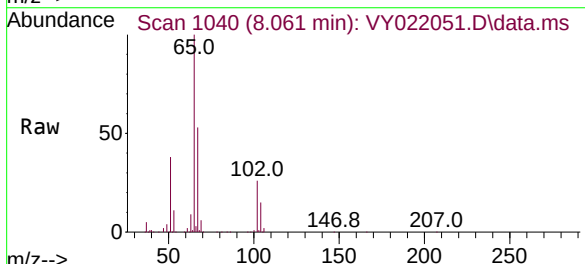
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILDL

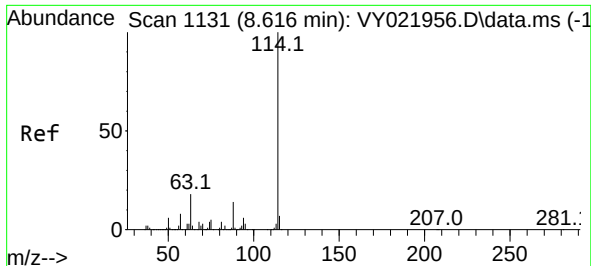
Tgt Ion: 56 Resp: 6229
Ion Ratio Lower Upper
56 100
69 157.0 29.4 44.2#
84 118.9 82.2 123.4



#33
1,2-Dichloroethane-d4
Concen: 46.480 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022051.D
Acq: 29 Apr 2025 11:56

Tgt Ion: 65 Resp: 144932
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022051.D

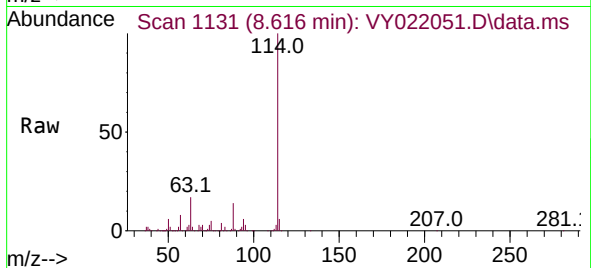
Acq: 29 Apr 2025 11:56

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL



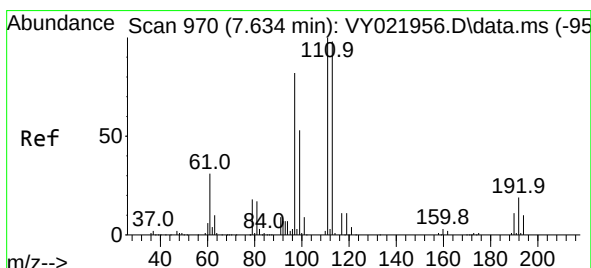
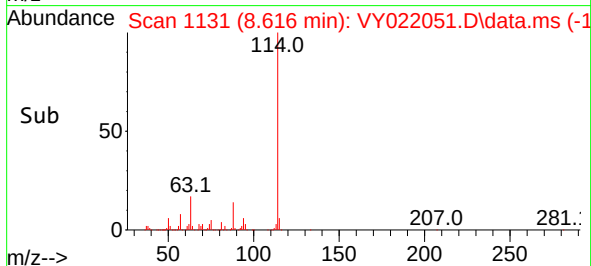
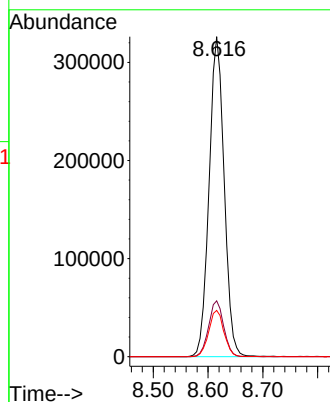
Tgt Ion:114 Resp: 620881

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.094 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 11:56

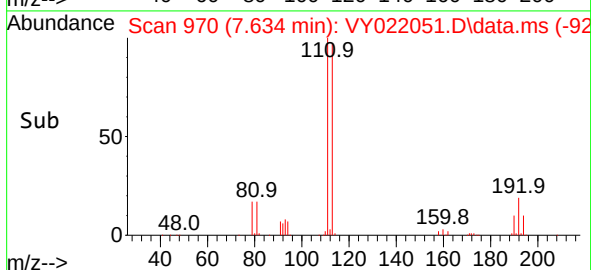
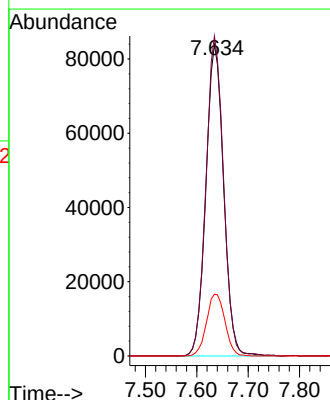
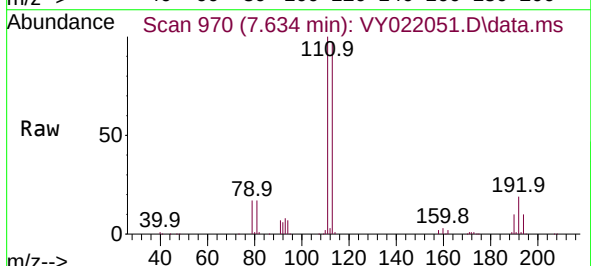
Tgt Ion:113 Resp: 201379

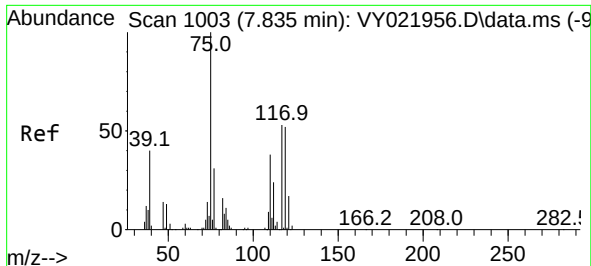
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 20.6 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.340 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022051.D

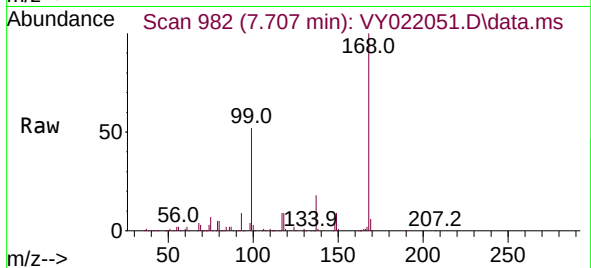
Acq: 29 Apr 2025 11:56

Instrument :

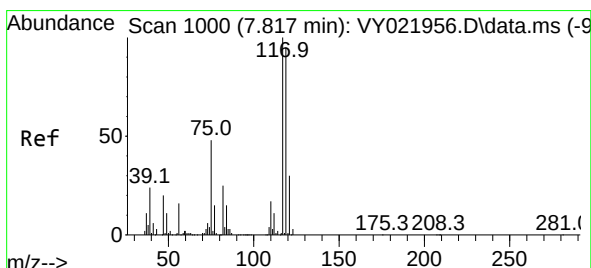
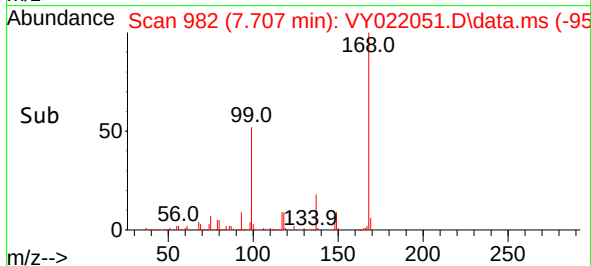
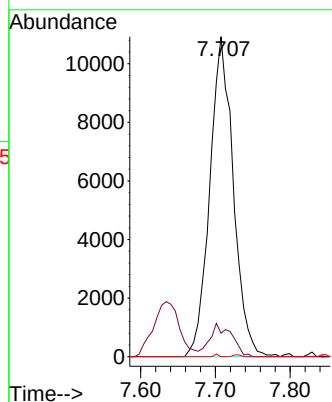
MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILD



Tgt Ion:	75	Resp:	23914
Ion Ratio	Lower	Upper	
75	100		
110	9.6	19.1	57.3#
77	0.1	25.5	38.3#



#38

Carbon Tetrachloride

Concen: 4.955 ug/l

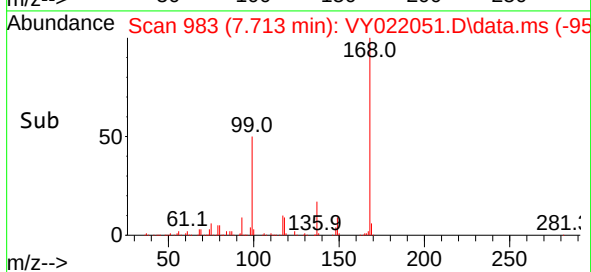
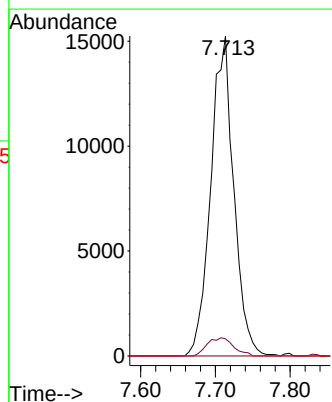
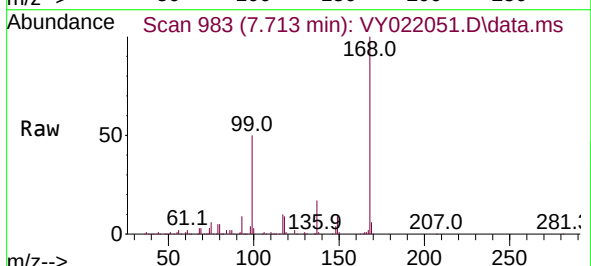
RT: 7.713 min Scan# 983

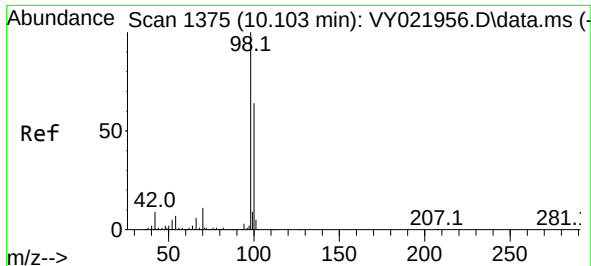
Delta R.T. -0.104 min

Lab File: VY022051.D

Acq: 29 Apr 2025 11:56

Tgt Ion:	117	Resp:	32625
Ion Ratio	Lower	Upper	
117	100		
119	5.3	76.2	114.4#
121	0.0	24.0	36.0#

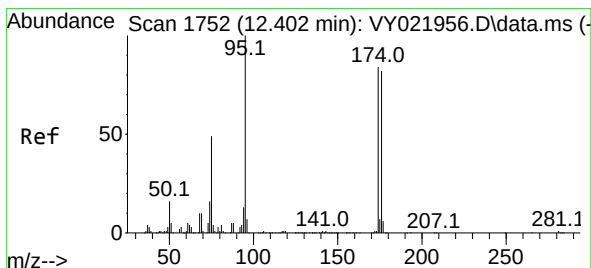
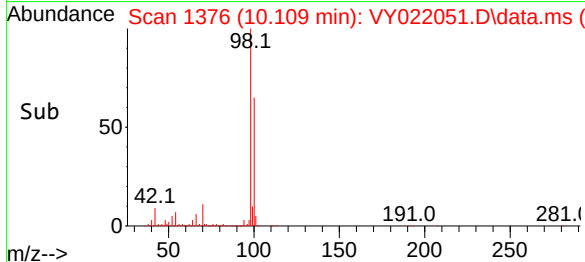
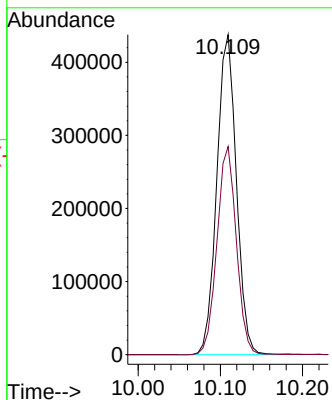
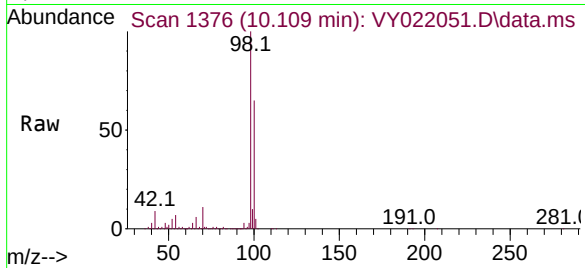




#50
Toluene-d8
Concen: 46.844 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022051.D
Acq: 29 Apr 2025 11:56

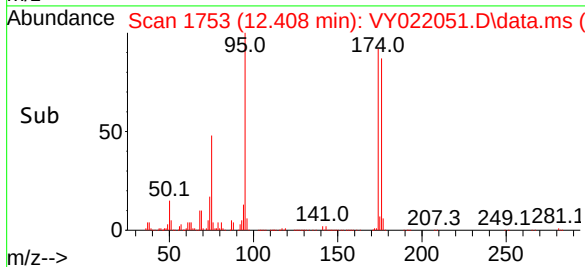
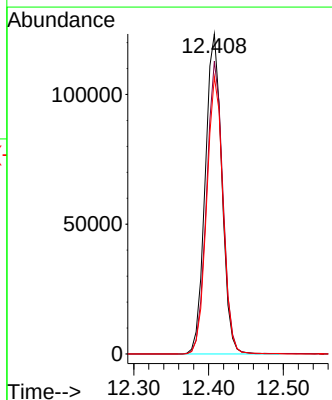
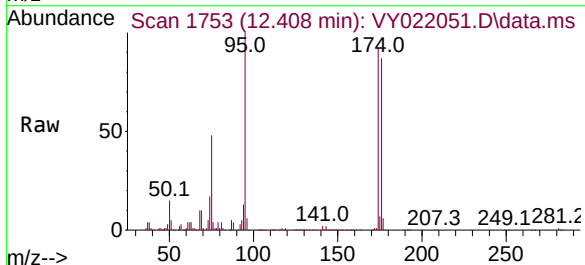
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILDL

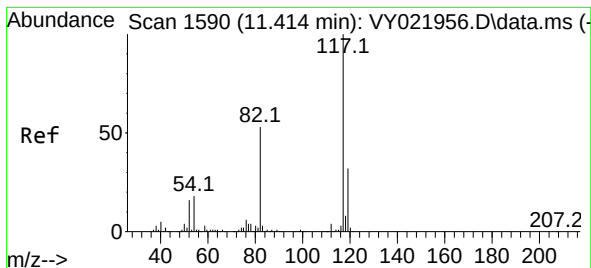
Tgt Ion: 98 Resp: 724399
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 36.555 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022051.D
Acq: 29 Apr 2025 11:56

Tgt Ion: 95 Resp: 190299
Ion Ratio Lower Upper
95 100
174 90.0 0.0 179.0
176 85.5 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 11:56

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL

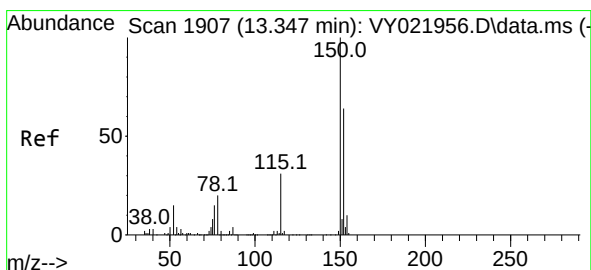
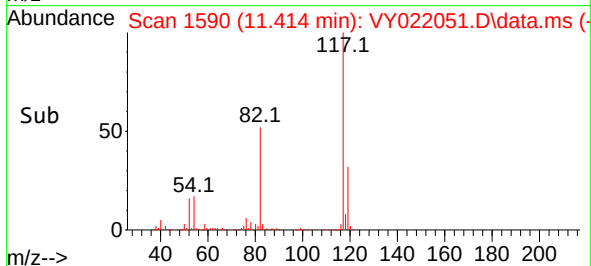
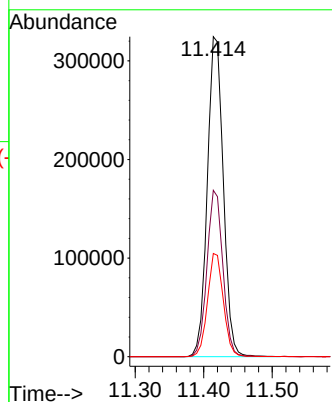
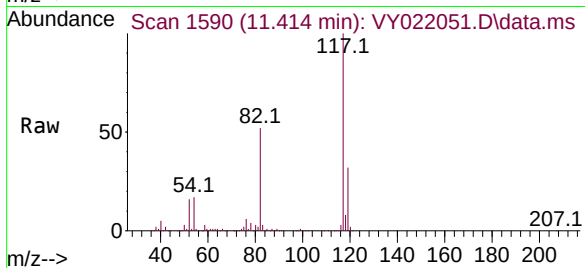
Tgt Ion:117 Resp: 526854

Ion Ratio Lower Upper

117 100

82 52.0 42.1 63.1

119 32.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022051.D

Acq: 29 Apr 2025 11:56

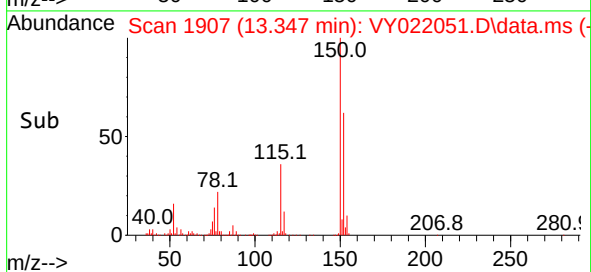
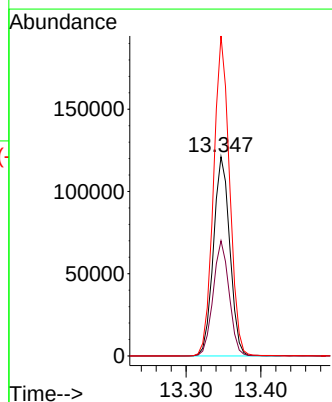
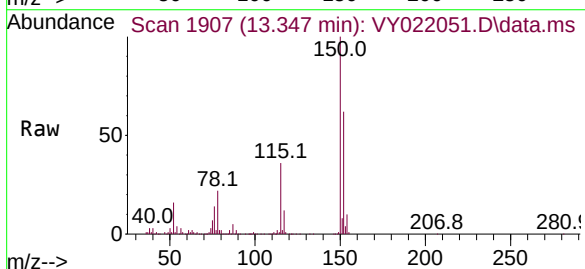
Tgt Ion:152 Resp: 184068

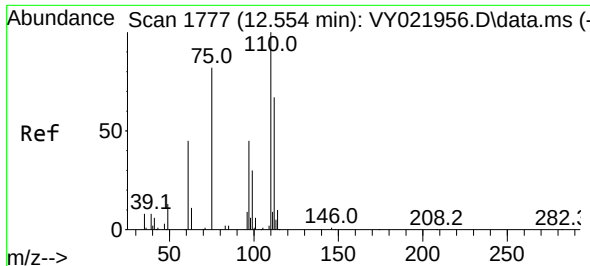
Ion Ratio Lower Upper

152 100

115 56.5 28.0 84.0

150 157.2 0.0 345.6

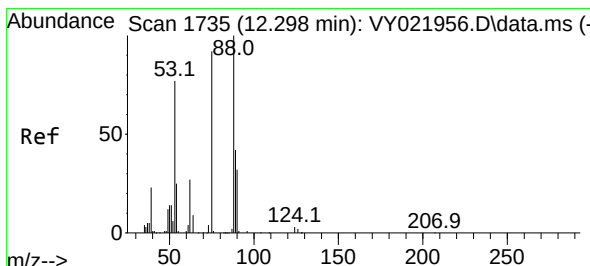
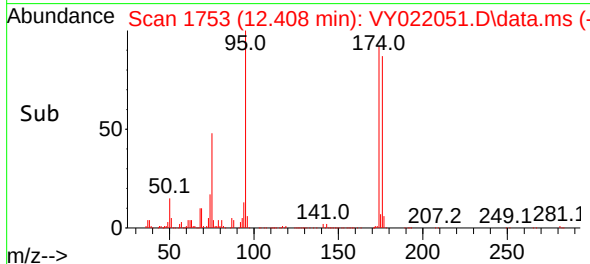
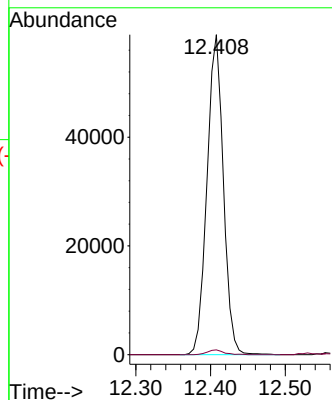
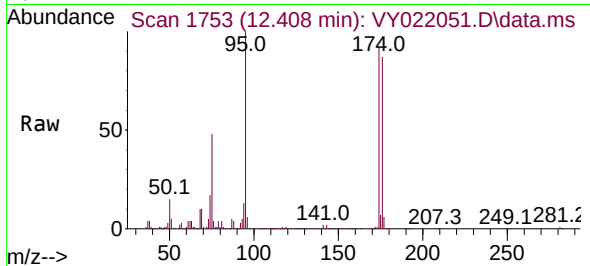




#76
1,2,3-Trichloropropane
Concen: 56.708 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY022051.D
Acq: 29 Apr 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

Tgt Ion: 75 Resp: 89407
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.560 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022051.D
Acq: 29 Apr 2025 11:56

Tgt Ion: 75 Resp: 89407
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.2 37.2 55.8#

