

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022371.D
 Acq On : 21 May 2025 16:42
 Operator : SY/MD
 Sample : Q2093-01
 Misc : 3.77g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-DRUM

Quant Time: May 22 00:12:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

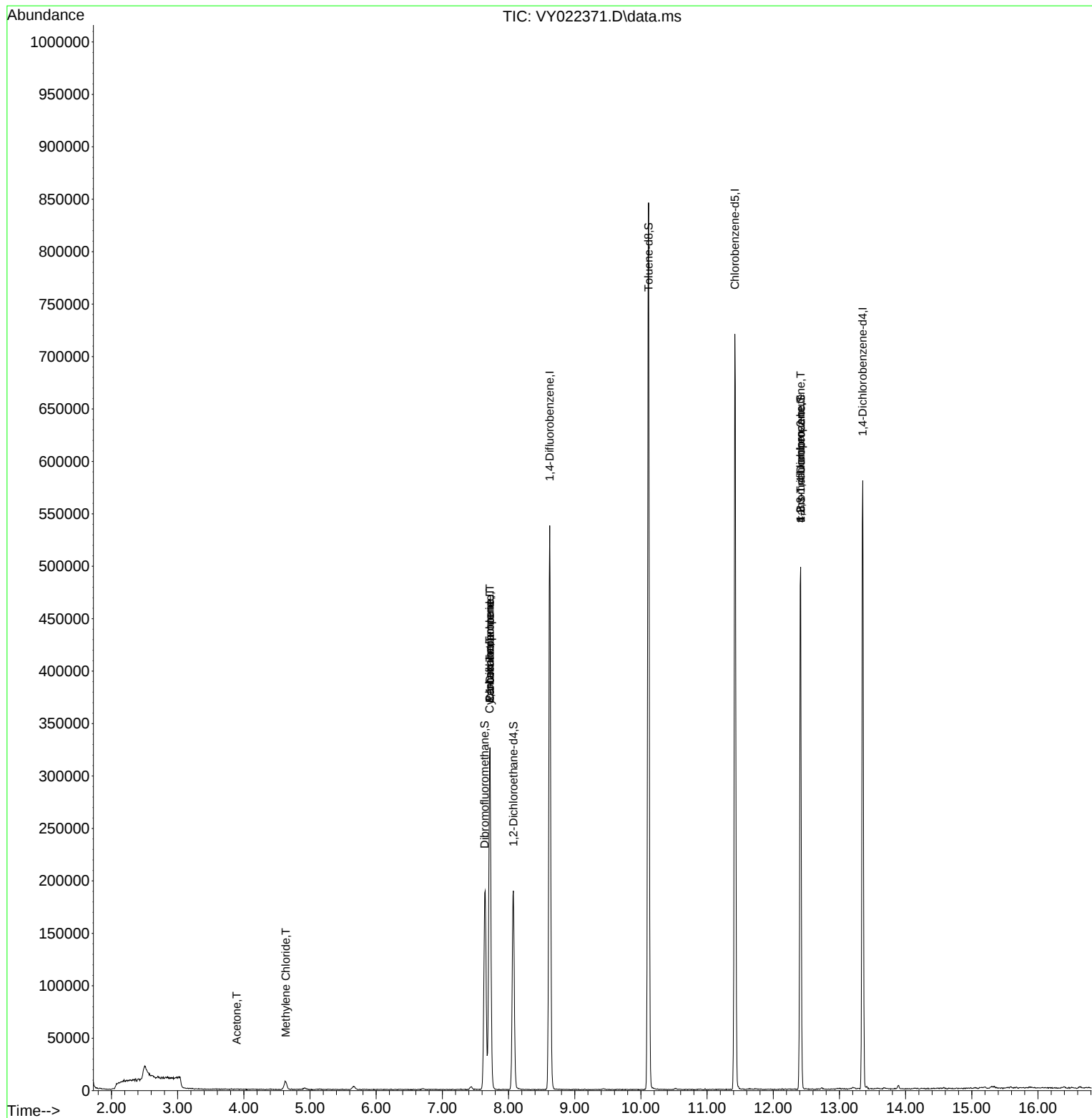
Internal Standards						
1) Pentafluorobenzene	7.719	168	247164	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	441292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	358729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	135578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	139439	51.620	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.240%	
35) Dibromofluoromethane	7.640	113	133174	50.562	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.120%	
50) Toluene-d8	10.115	98	530092	49.141	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	12.414	95	138447	40.491	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.980%	
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	667	1.317	ug/l #	45
20) Methylene Chloride	4.634	84	5250	1.604	ug/l	96
31) Cyclohexane	7.713	56	6289	1.151	ug/l #	22
36) 1,1-Dichloropropene	7.719	75	21118	4.868	ug/l #	51
38) Carbon Tetrachloride	7.719	117	25503	5.679	ug/l #	18
76) 1,2,3-Trichloropropane	12.414	75	81920	59.641	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	81920	120.818	ug/l #	12

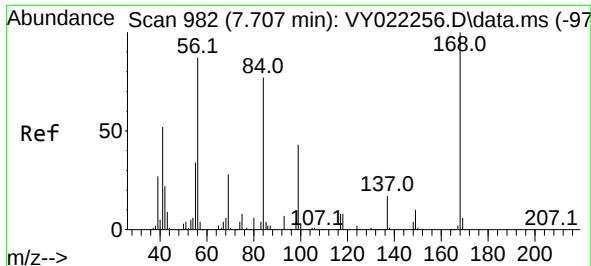
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
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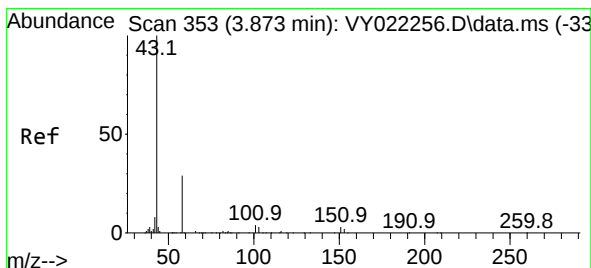
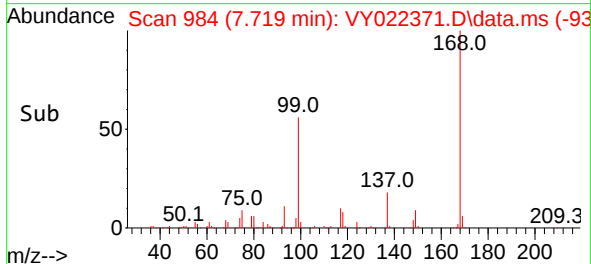
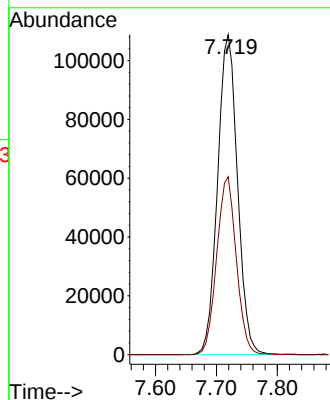
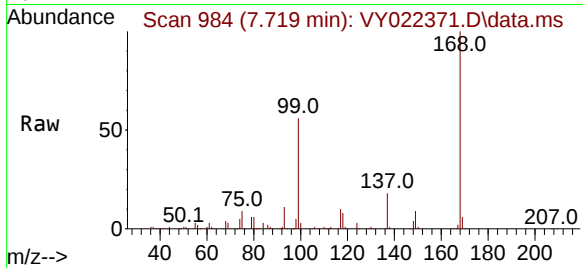




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022371.D
Acq: 21 May 2025 16:42

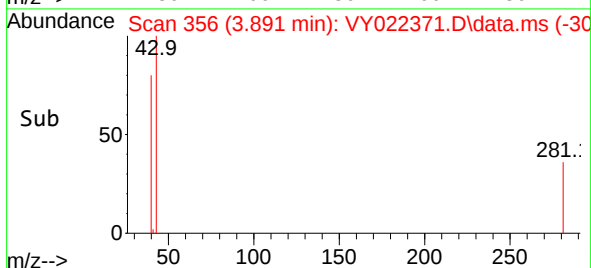
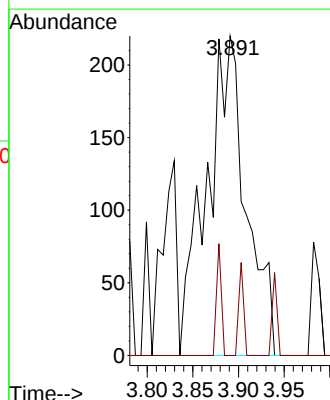
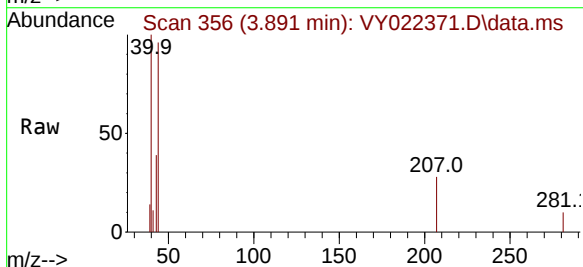
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-DRUM

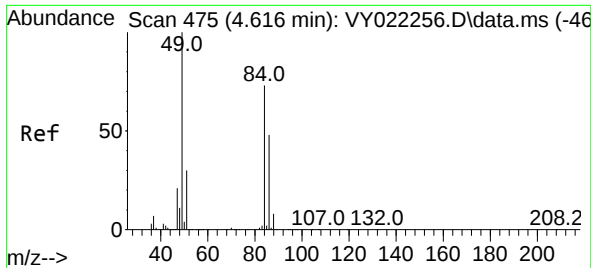
Tgt Ion:168 Resp: 247164
Ion Ratio Lower Upper
168 100
99 55.6 44.2 66.4



#16
Acetone
Concen: 1.317 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY022371.D
Acq: 21 May 2025 16:42

Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#

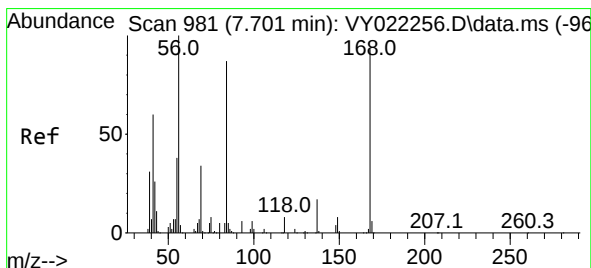
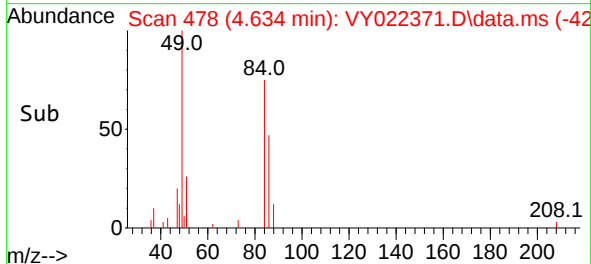
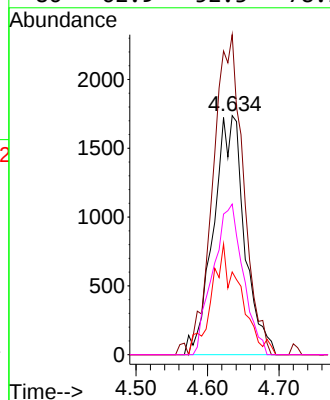
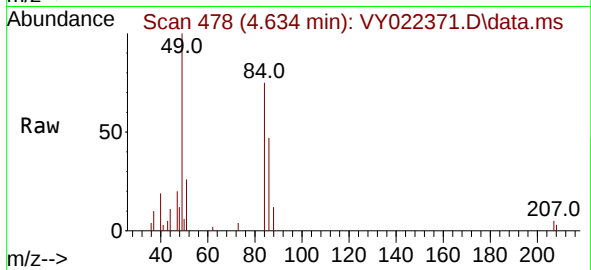




#20
Methylene Chloride
Concen: 1.604 ug/l
RT: 4.634 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY022371.D
Acq: 21 May 2025 16:42

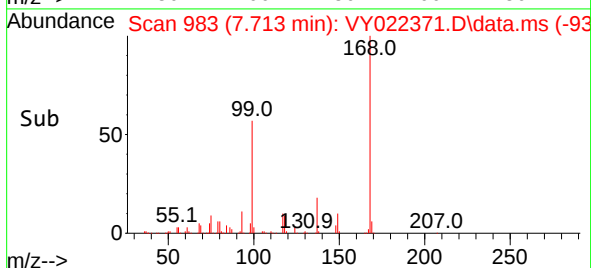
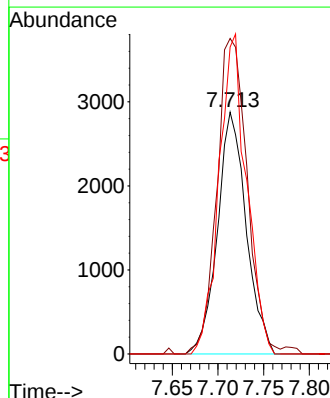
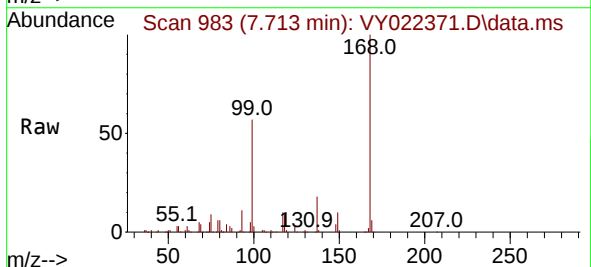
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-DRUM

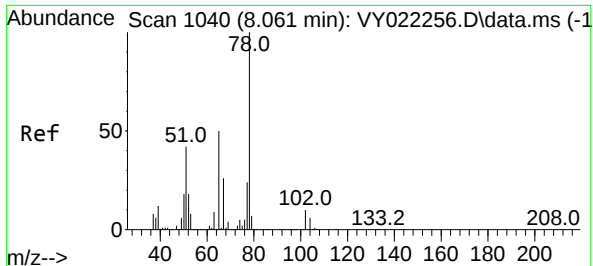
Tgt Ion:	84	Resp:	5250
Ion	Ratio	Lower	Upper
84	100		
49	133.8	109.6	164.4
51	34.6	32.4	48.6
86	62.9	52.3	78.5



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022371.D
Acq: 21 May 2025 16:42

Tgt Ion:	56	Resp:	6289
Ion	Ratio	Lower	Upper
56	100		
69	130.5	27.4	41.2#
84	126.9	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 51.620 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VY022371.D

Acq: 21 May 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

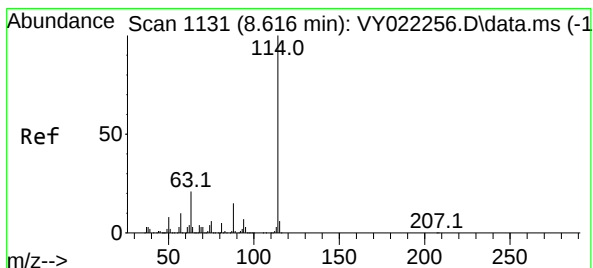
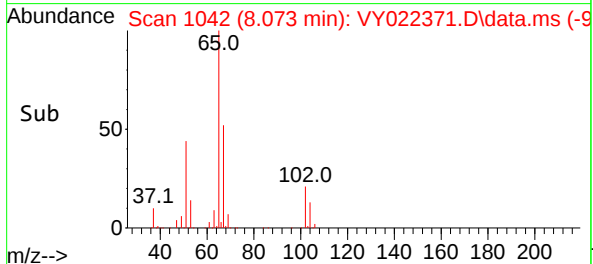
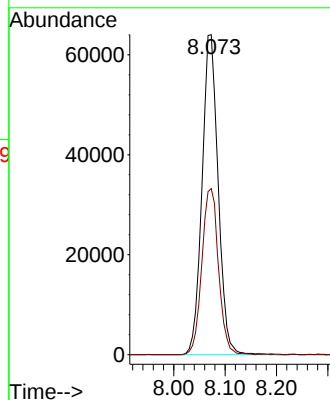
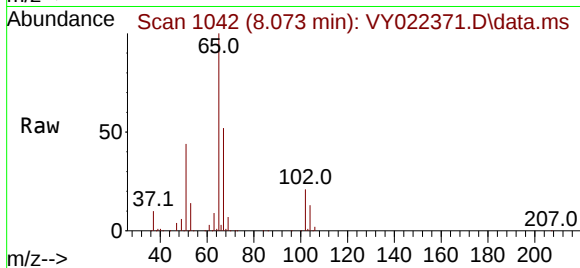
SOIL-DRUM

Tgt Ion: 65 Resp: 139439

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022371.D

Acq: 21 May 2025 16:42

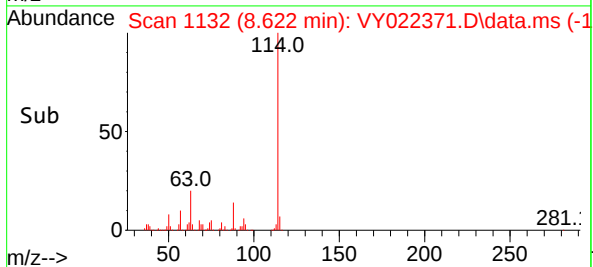
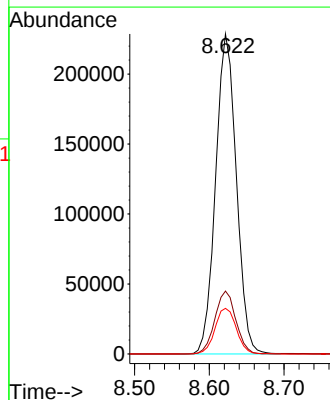
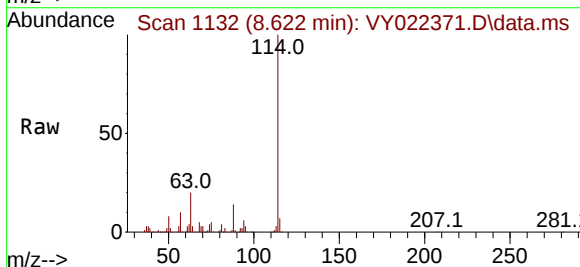
Tgt Ion:114 Resp: 441292

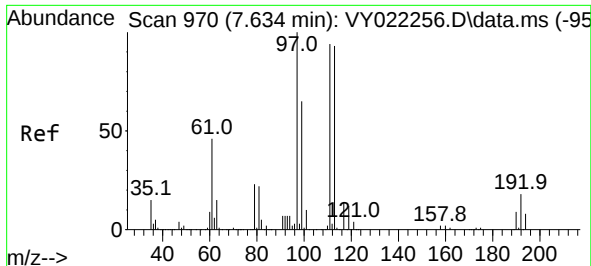
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 14.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.562 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY022371.D

Acq: 21 May 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-DRUM

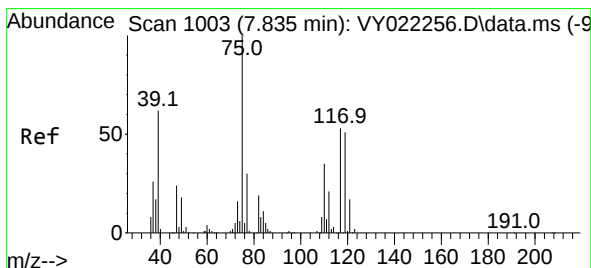
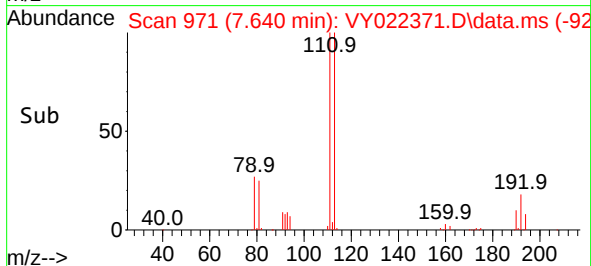
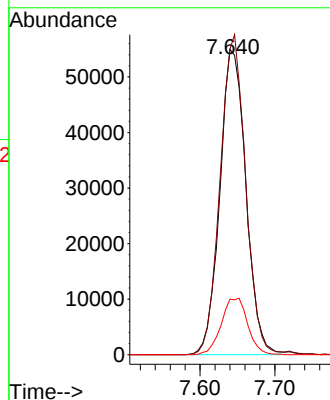
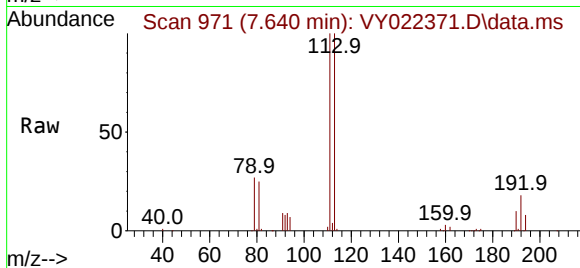
Tgt Ion:113 Resp: 133174

Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 18.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.868 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.116 min

Lab File: VY022371.D

Acq: 21 May 2025 16:42

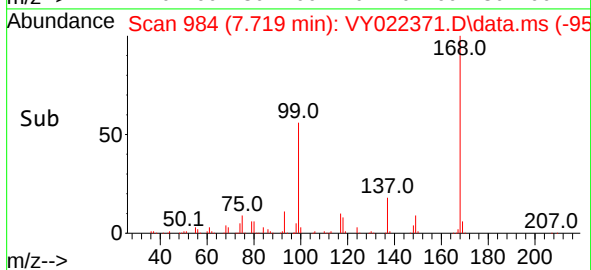
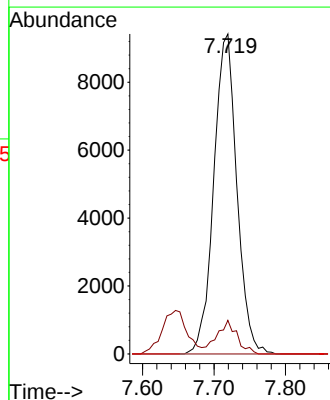
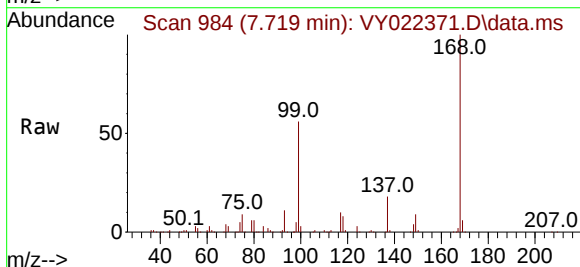
Tgt Ion: 75 Resp: 21118

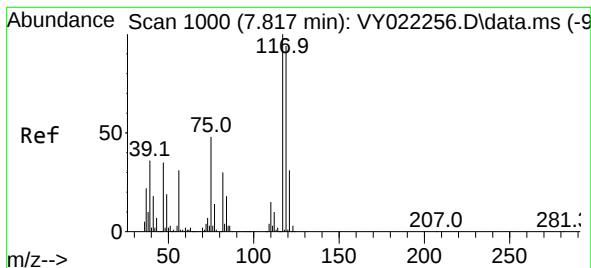
Ion Ratio Lower Upper

75 100

110 9.3 16.6 49.8#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.679 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.098 min

Lab File: VY022371.D

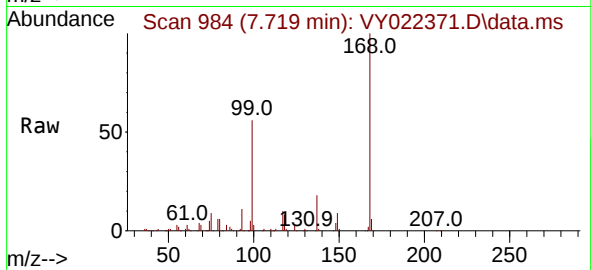
Acq: 21 May 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-DRUM



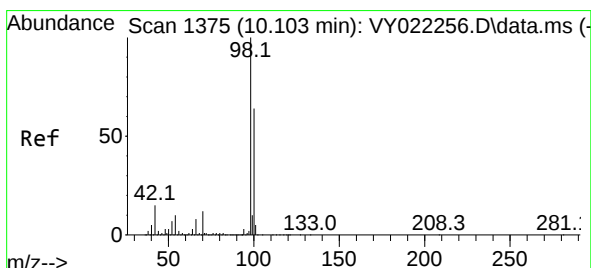
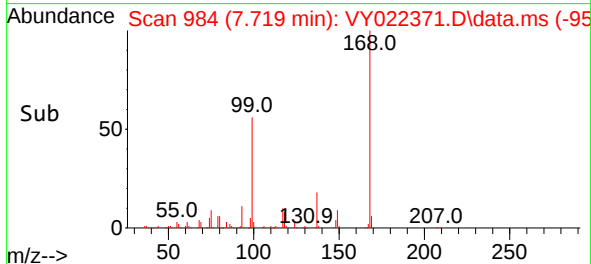
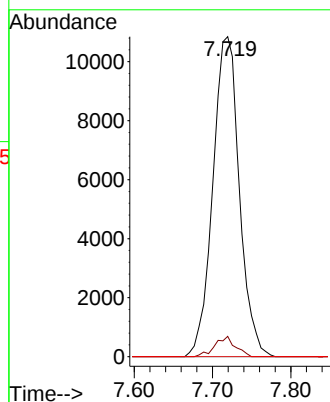
Tgt Ion:117 Resp: 25503

Ion Ratio Lower Upper

117 100

119 6.4 75.3 112.9#

121 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 49.141 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.012 min

Lab File: VY022371.D

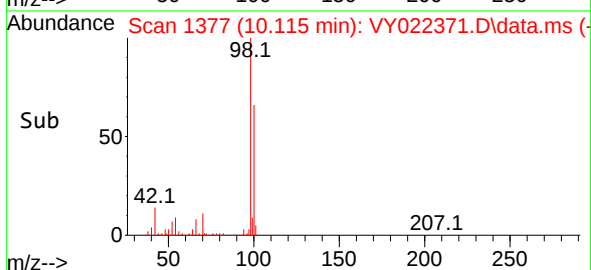
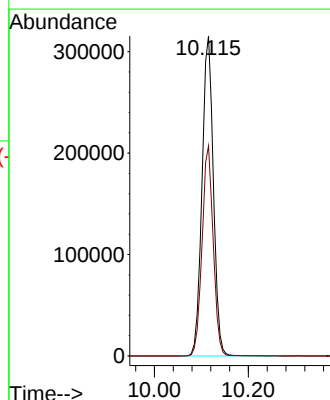
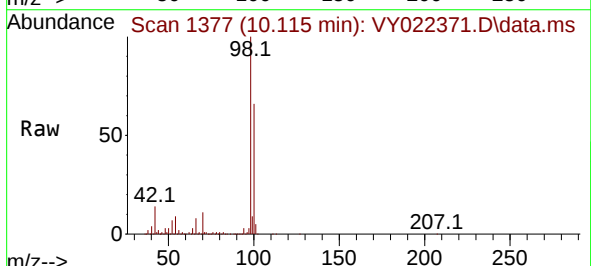
Acq: 21 May 2025 16:42

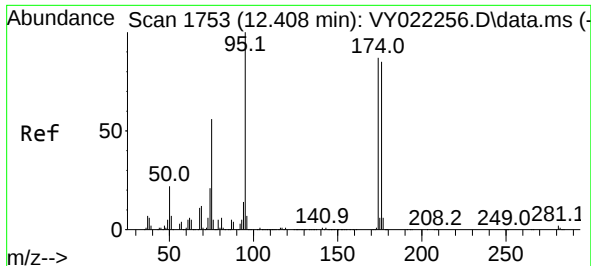
Tgt Ion: 98 Resp: 530092

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 40.491 ug/l

RT: 12.414 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022371.D

Acq: 21 May 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-DRUM

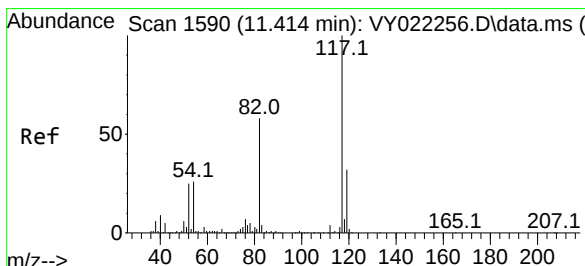
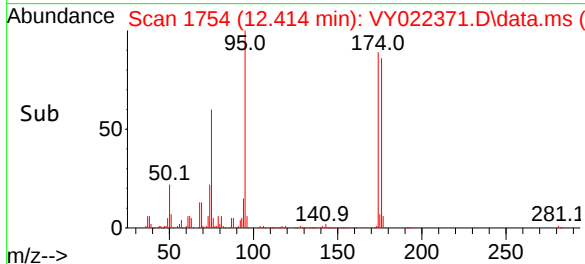
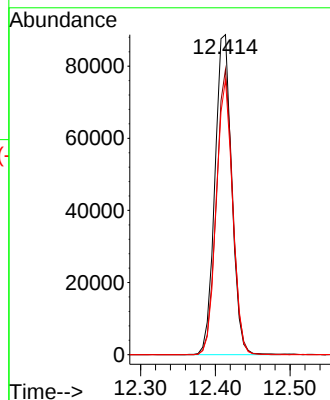
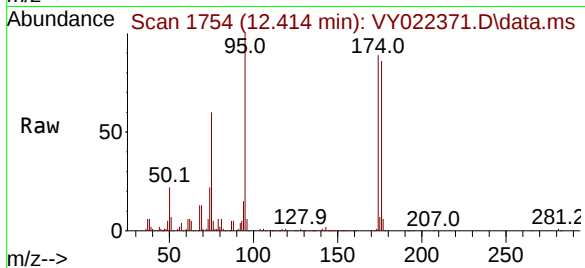
Tgt Ion: 95 Resp: 138447

Ion Ratio Lower Upper

95 100

174 86.5 0.0 166.8

176 83.6 0.0 160.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY022371.D

Acq: 21 May 2025 16:42

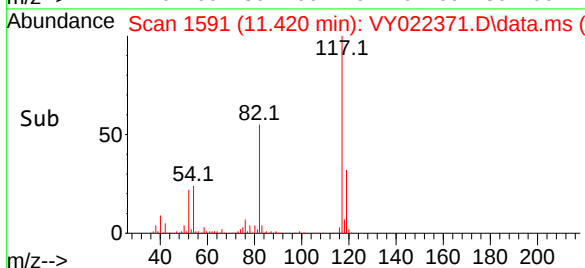
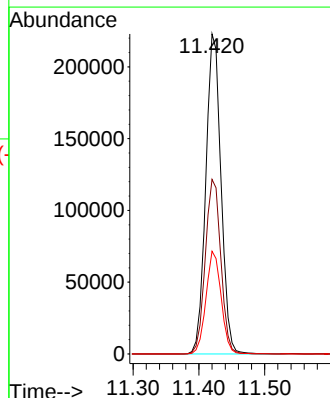
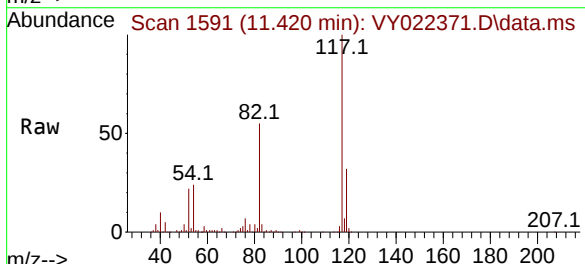
Tgt Ion: 117 Resp: 358729

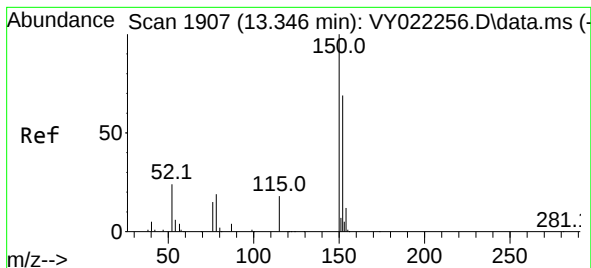
Ion Ratio Lower Upper

117 100

82 54.6 46.6 70.0

119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022371.D

Acq: 21 May 2025 16:42

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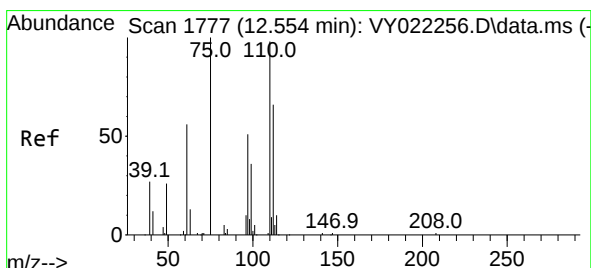
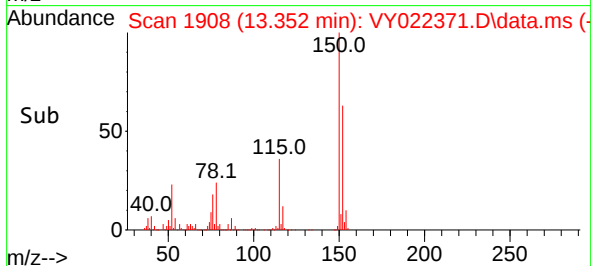
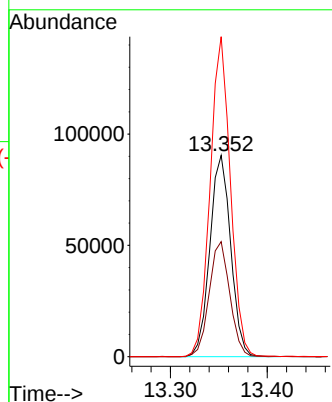
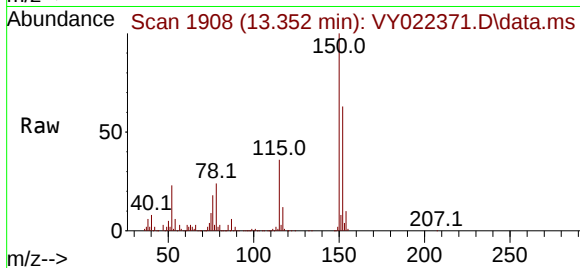
Tgt Ion:152 Resp: 135578

Ion Ratio Lower Upper

152 100

115 56.7 29.4 88.2

150 154.6 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 59.641 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.140 min

Lab File: VY022371.D

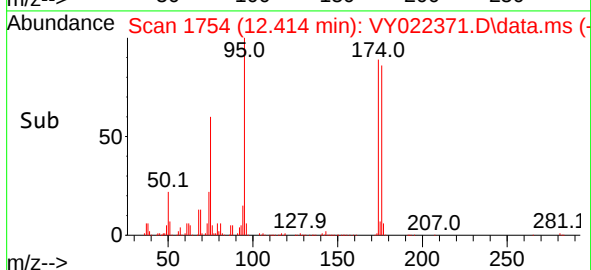
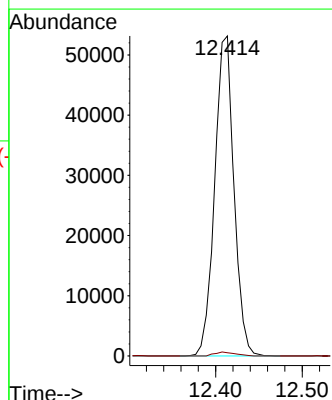
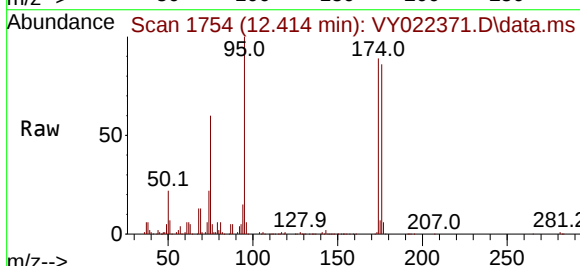
Acq: 21 May 2025 16:42

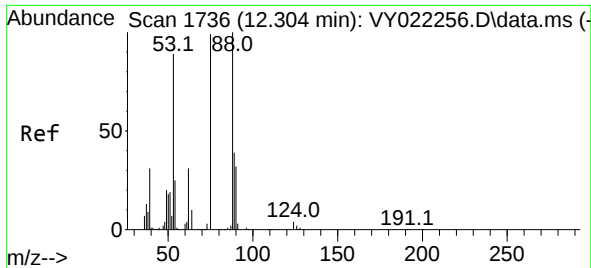
Tgt Ion: 75 Resp: 81920

Ion Ratio Lower Upper

75 100

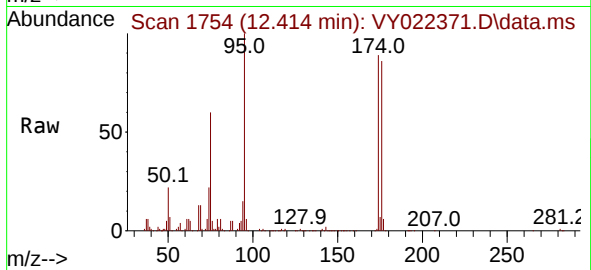
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 120.818 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY022371.D
Acq: 21 May 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-DRUM



Tgt Ion: 75 Resp: 81920
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.2 36.2 54.2#

