

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021911.D
 Acq On : 17 Apr 2025 15:15
 Operator : SY/MD
 Sample : Q1821-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-CUTTING

Quant Time: Apr 18 03:59:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

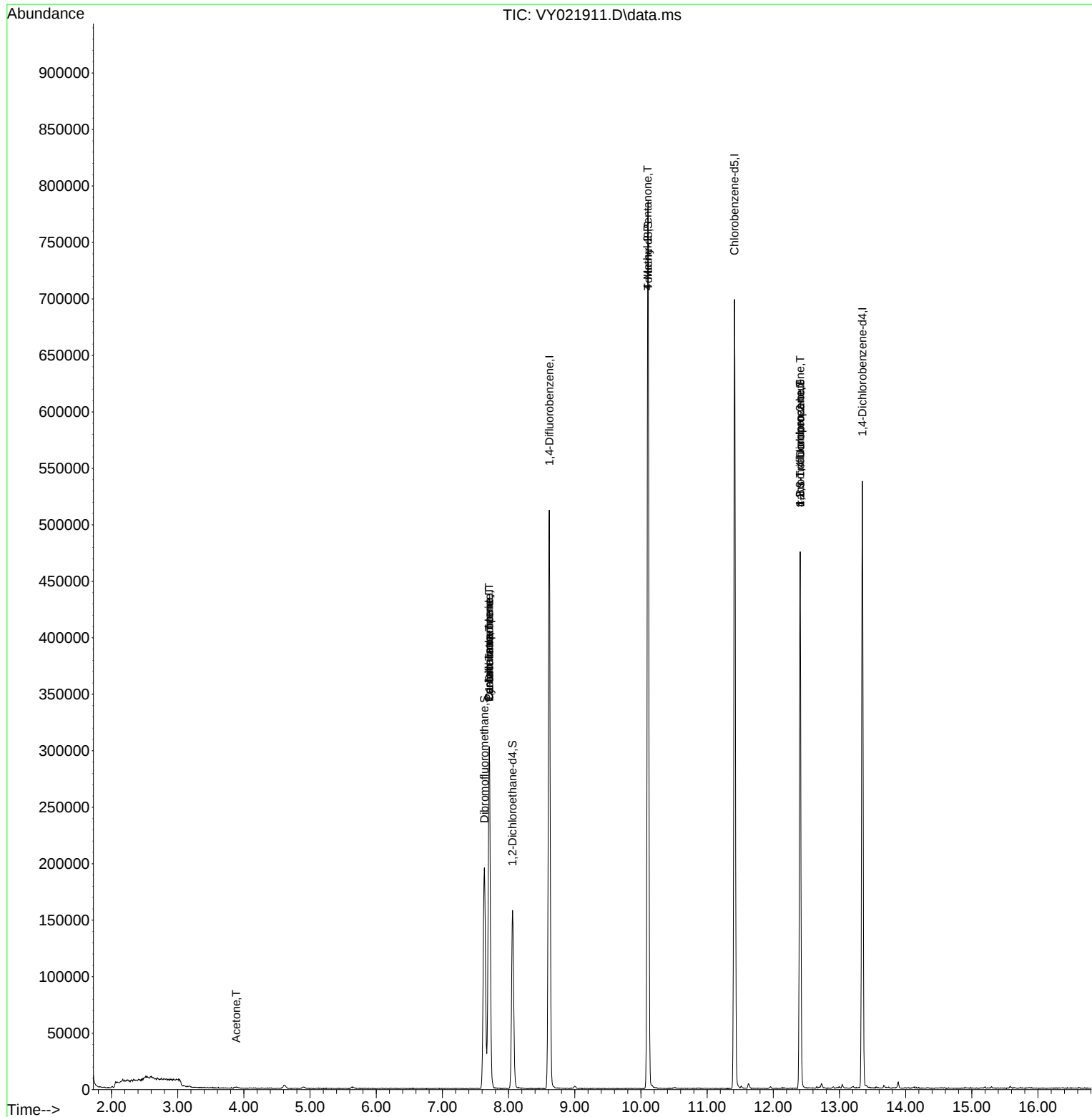
Internal Standards						
1) Pentafluorobenzene	7.707	168	227478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	423982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	360344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	133716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	121753	49.400	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.800%
35) Dibromofluoromethane	7.634	113	139287	50.644	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.280%
50) Toluene-d8	10.109	98	504494	48.217	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.440%
62) 4-Bromofluorobenzene	12.407	95	139357	39.377	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.760%
Target Compounds						
					Qvalue	
16) Acetone	3.884	43	1966	3.898	ug/l	98
20) Methylene Chloride	4.604	84	2119	Below Cal	#	74
31) Cyclohexane	7.707	56	5074	1.166	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18870	4.504	ug/l #	51
38) Carbon Tetrachloride	7.707	117	23415	4.880	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	2385	1.223	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	72732	54.873	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	72732	126.436	ug/l #	12

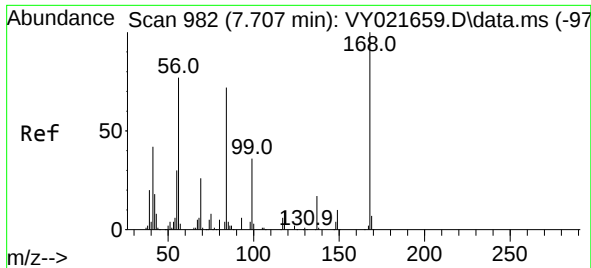
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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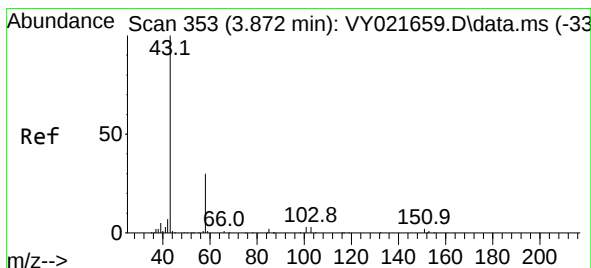
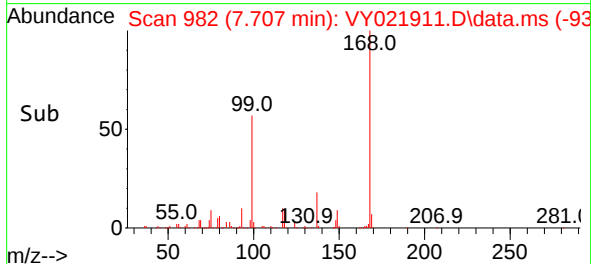
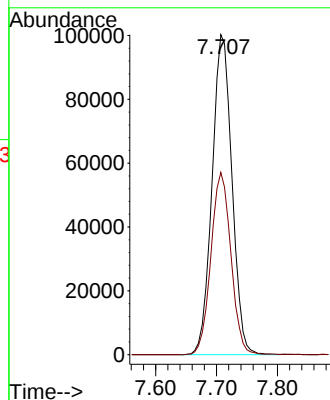
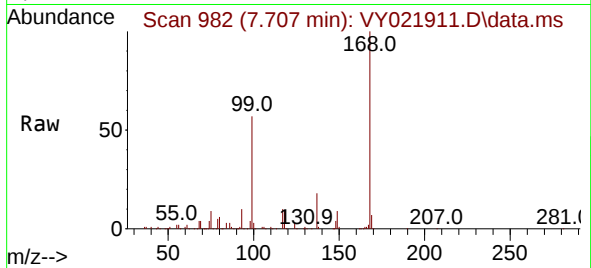




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

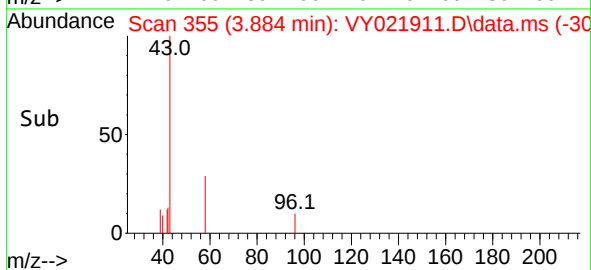
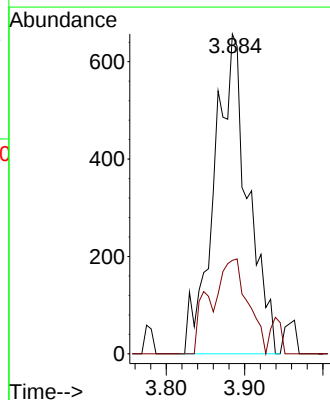
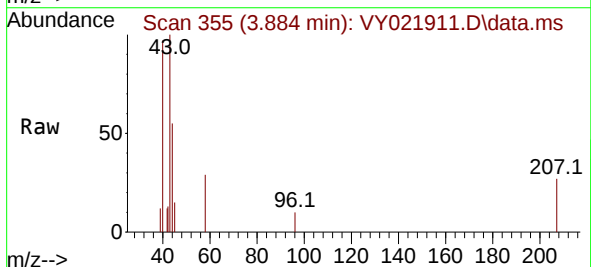
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTING

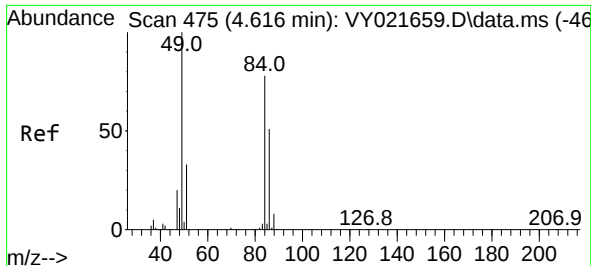
Tgt Ion:168 Resp: 227478
Ion Ratio Lower Upper
168 100
99 57.0 46.7 70.1



#16
Acetone
Concen: 3.898 ug/l
RT: 3.884 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

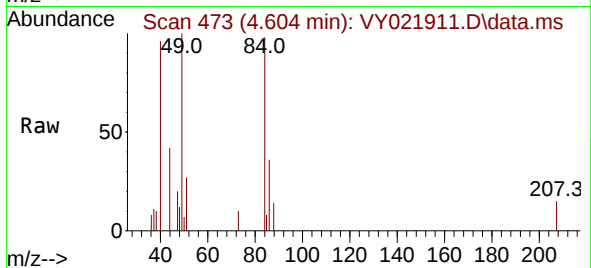
Tgt Ion: 43 Resp: 1966
Ion Ratio Lower Upper
43 100
58 29.2 24.2 36.4





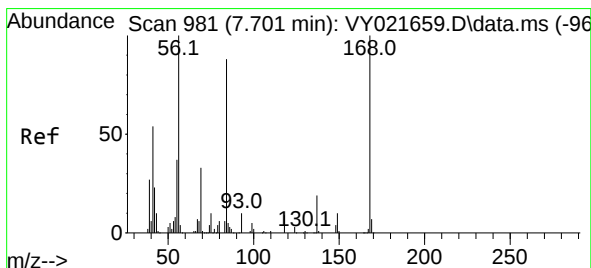
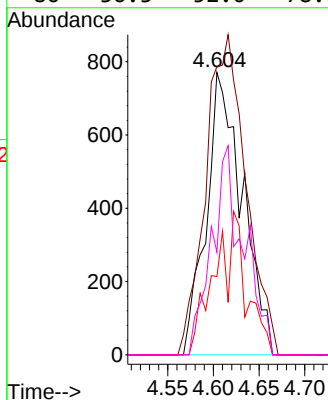
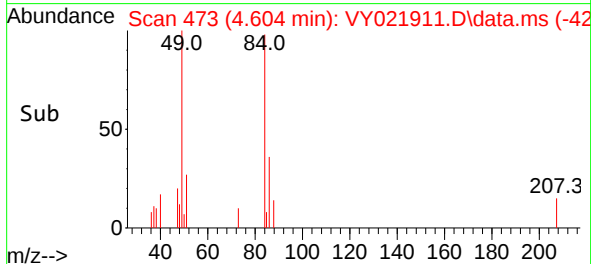
#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTING



Tgt Ion: 84 Resp: 2119

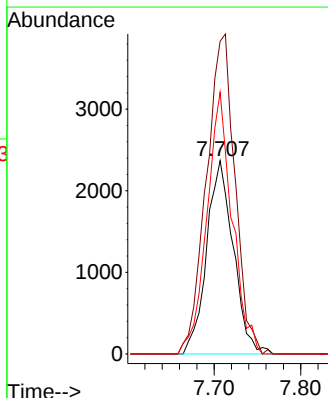
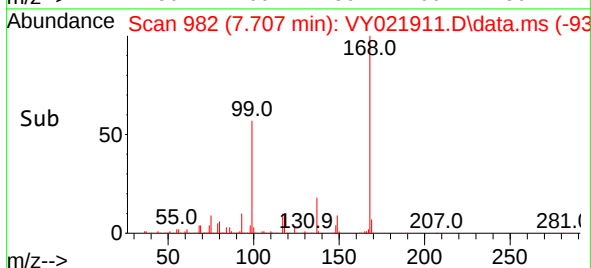
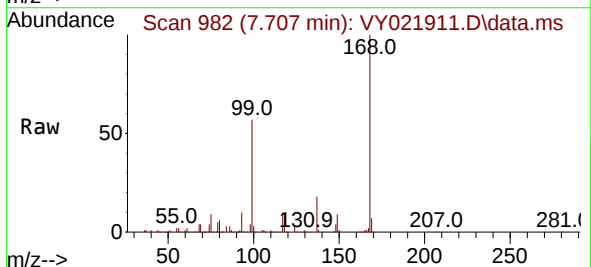
Ion	Ratio	Lower	Upper
84	100		
49	102.1	102.8	154.2#
51	27.8	33.5	50.3#
86	36.3	52.0	78.0#

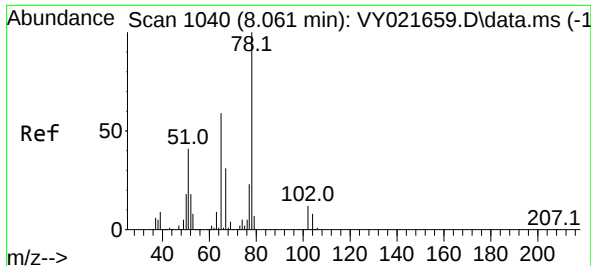


#31
Cyclohexane
Concen: 1.166 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

Tgt Ion: 56 Resp: 5074

Ion	Ratio	Lower	Upper
56	100		
69	161.8	26.6	40.0#
84	135.5	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 49.400 ug/l

RT: 8.060 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY021911.D

Acq: 17 Apr 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

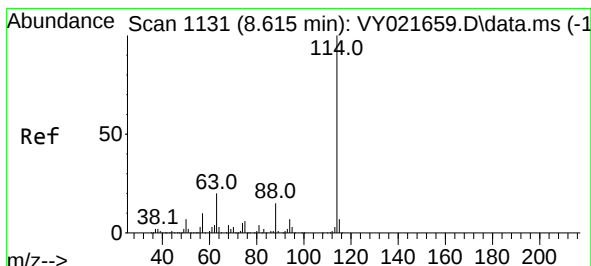
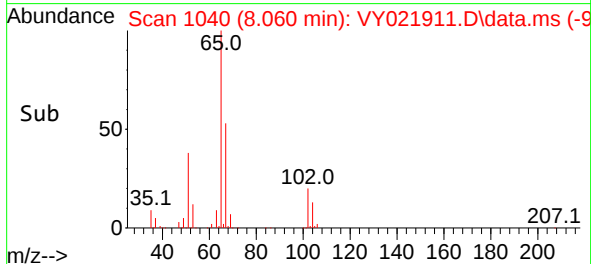
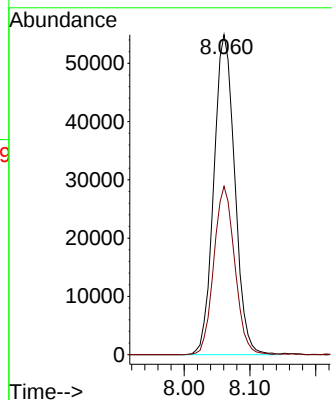
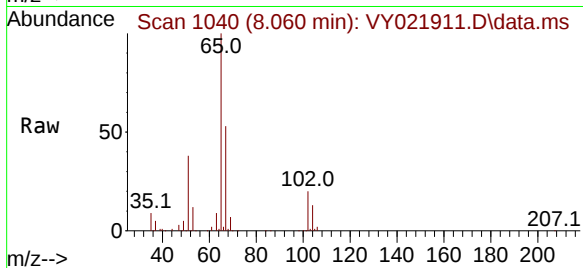
SOIL-CUTTING

Tgt Ion: 65 Resp: 121753

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021911.D

Acq: 17 Apr 2025 15:15

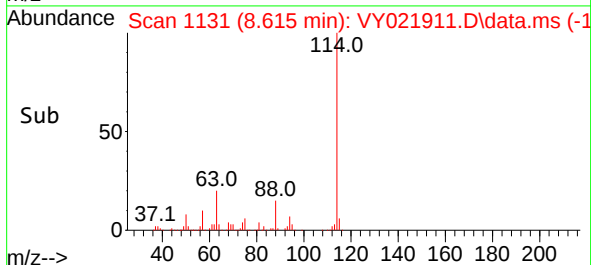
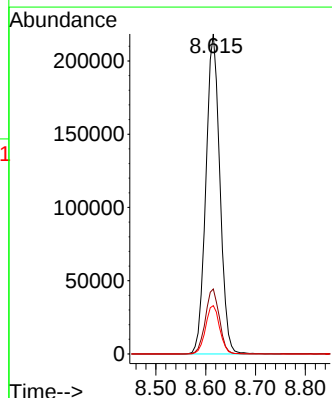
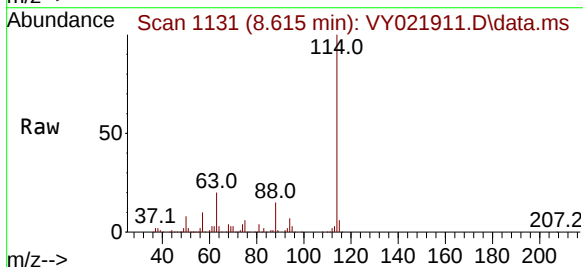
Tgt Ion: 114 Resp: 423982

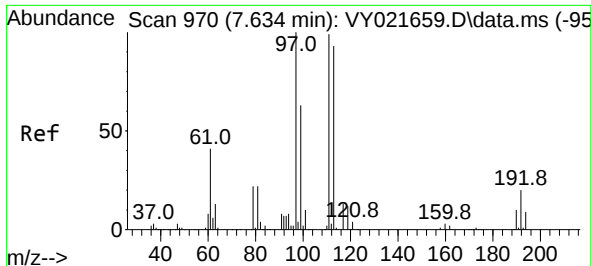
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.1 0.0 29.8

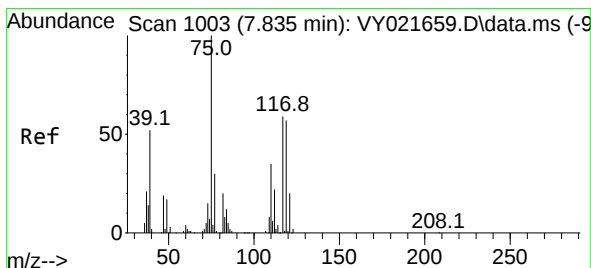
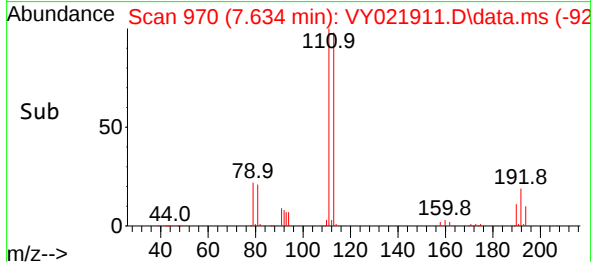
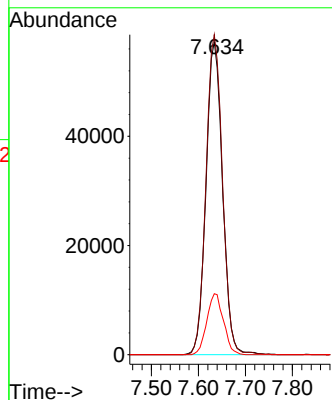
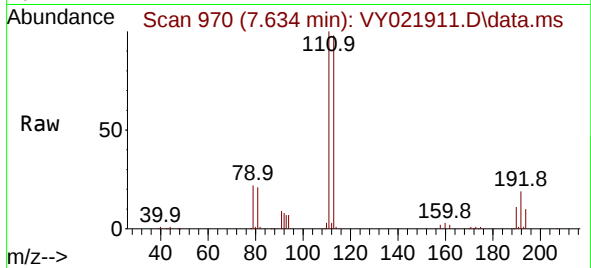




#35
Dibromofluoromethane
Concen: 50.644 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

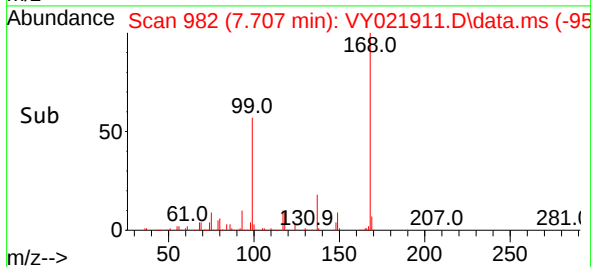
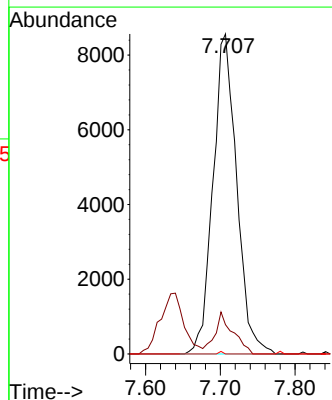
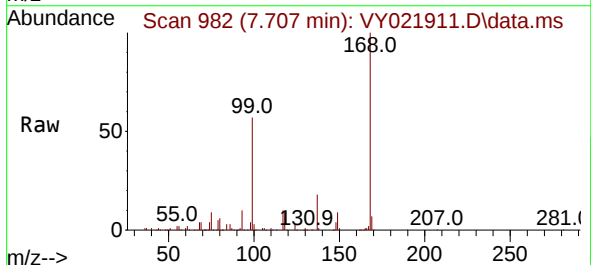
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTING

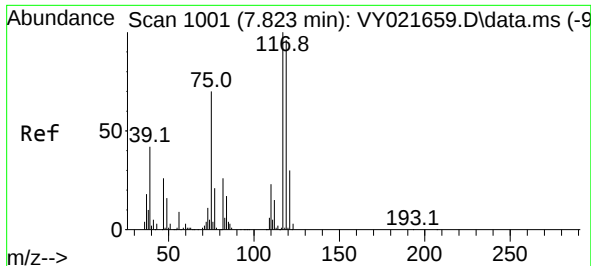
Tgt Ion:113 Resp: 139287
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 19.7 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.504 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

Tgt Ion: 75 Resp: 18870
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.1 24.8 37.2#

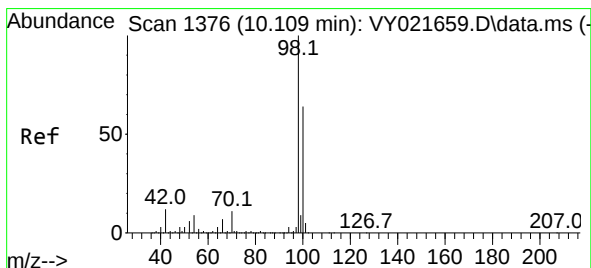
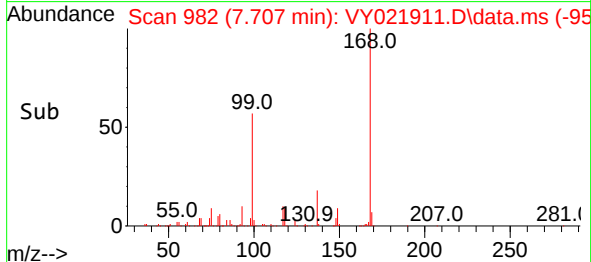
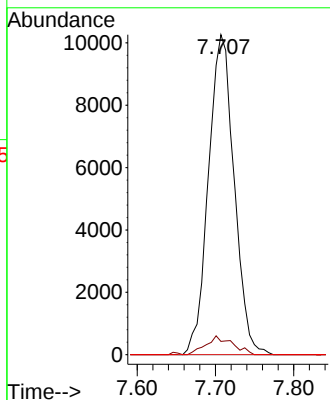
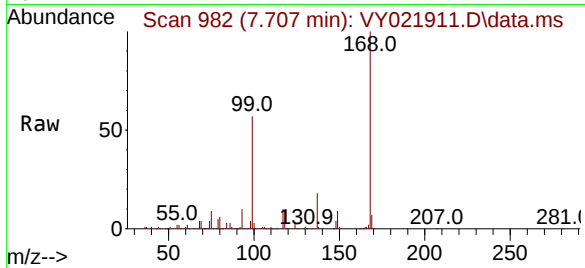




#38
Carbon Tetrachloride
Concen: 4.880 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

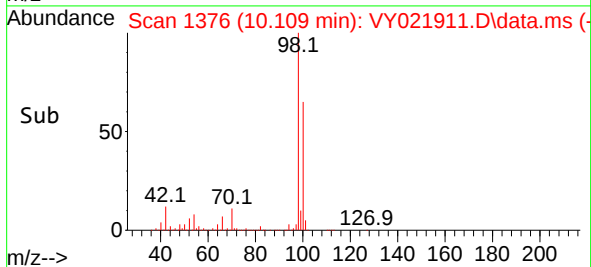
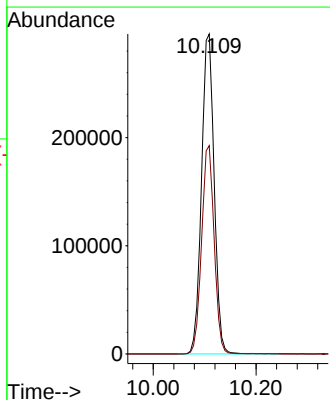
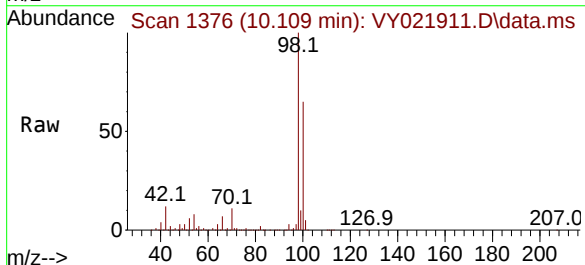
Instrument :
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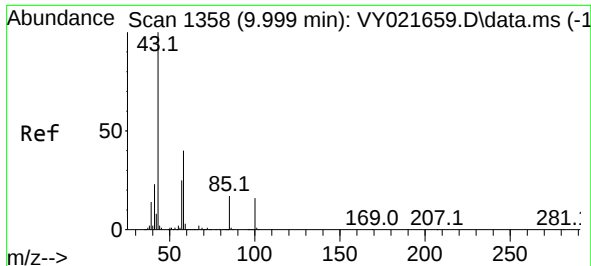
Tgt Ion:117 Resp: 23415
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.217 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

Tgt Ion: 98 Resp: 504494
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1

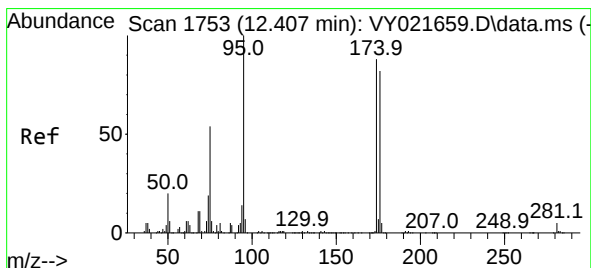
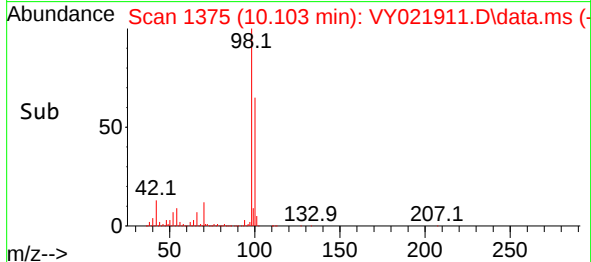
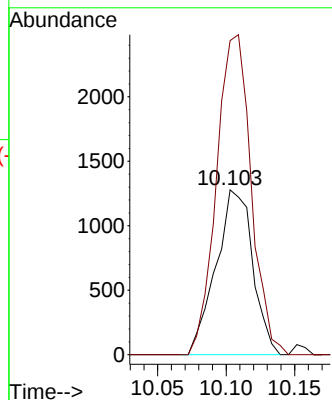
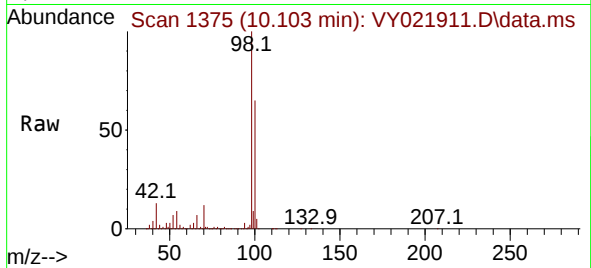




#51
4-Methyl-2-Pentanone
Concen: 1.223 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

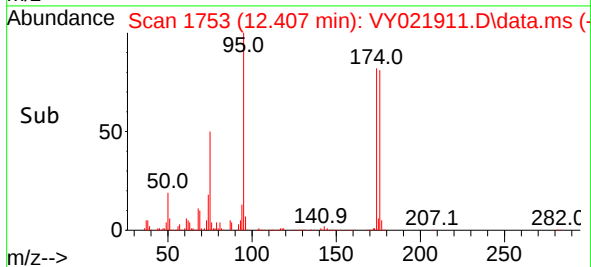
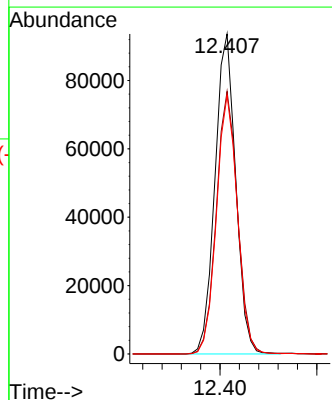
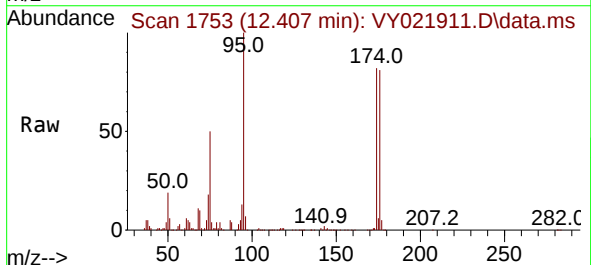
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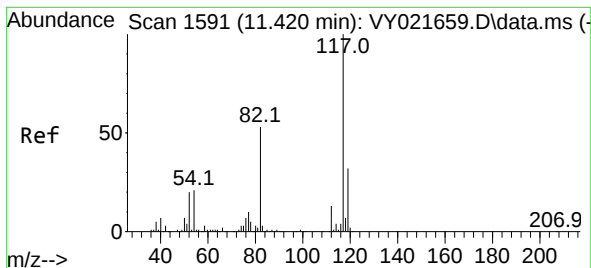
Tgt Ion: 43 Resp: 2385
Ion Ratio Lower Upper
43 100
58 183.1 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 39.377 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

Tgt Ion: 95 Resp: 139357
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 81.5 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021911.D

Acq: 17 Apr 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-CUTTING

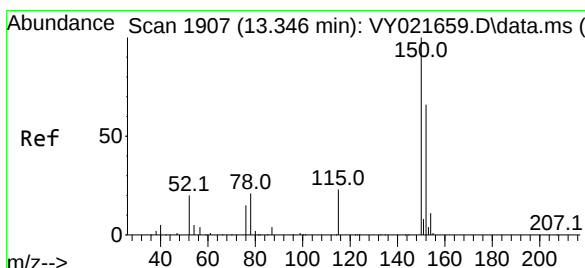
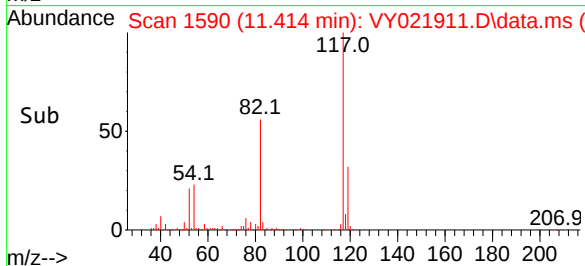
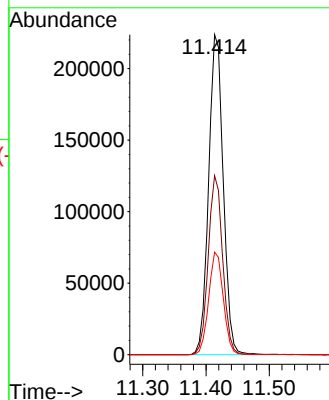
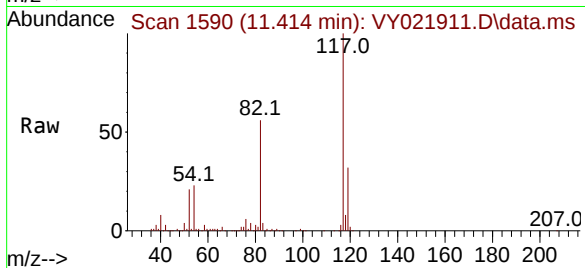
Tgt Ion:117 Resp: 360344

Ion Ratio Lower Upper

117 100

82 56.0 42.8 64.2

119 32.0 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021911.D

Acq: 17 Apr 2025 15:15

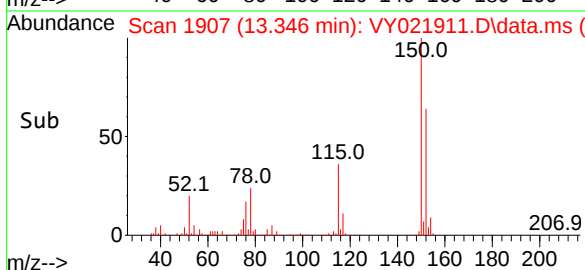
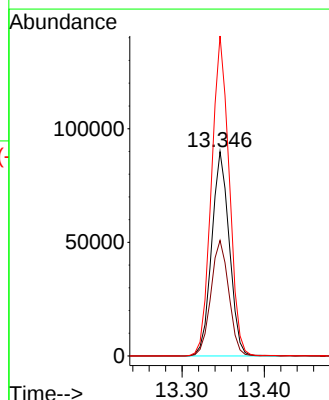
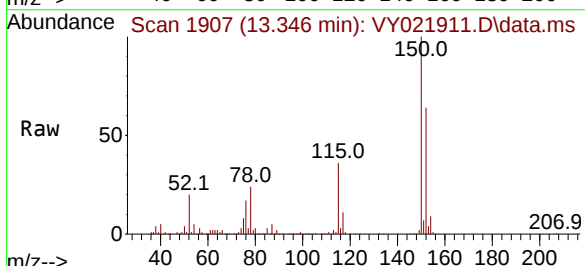
Tgt Ion:152 Resp: 133716

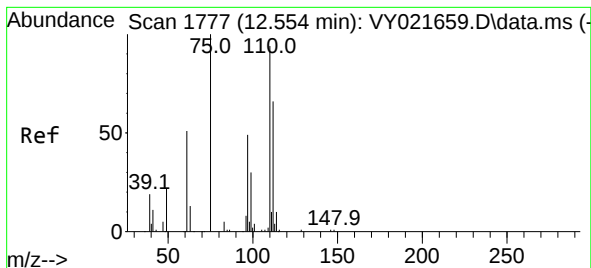
Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 157.4 0.0 348.4

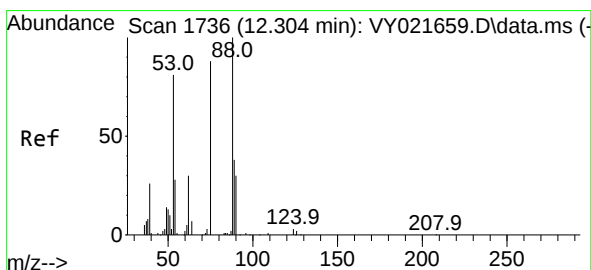
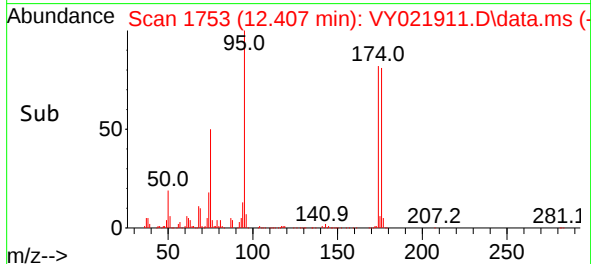
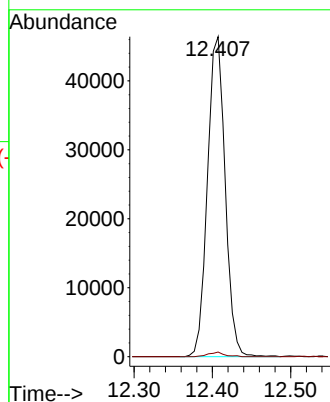
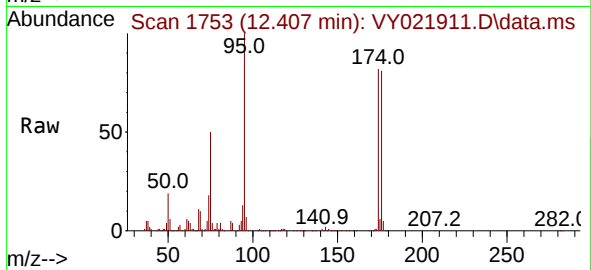




#76
1,2,3-Trichloropropane
Concen: 54.873 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTING

Tgt Ion: 75 Resp: 72732
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.436 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY021911.D
Acq: 17 Apr 2025 15:15

Tgt Ion: 75 Resp: 72732
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.0 36.2 54.4#

