

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021904.D
 Acq On : 17 Apr 2025 12:31
 Operator : SY/MD
 Sample : Q1826-01
 Misc : 4.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-PILE

Quant Time: Apr 18 03:56:42 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)

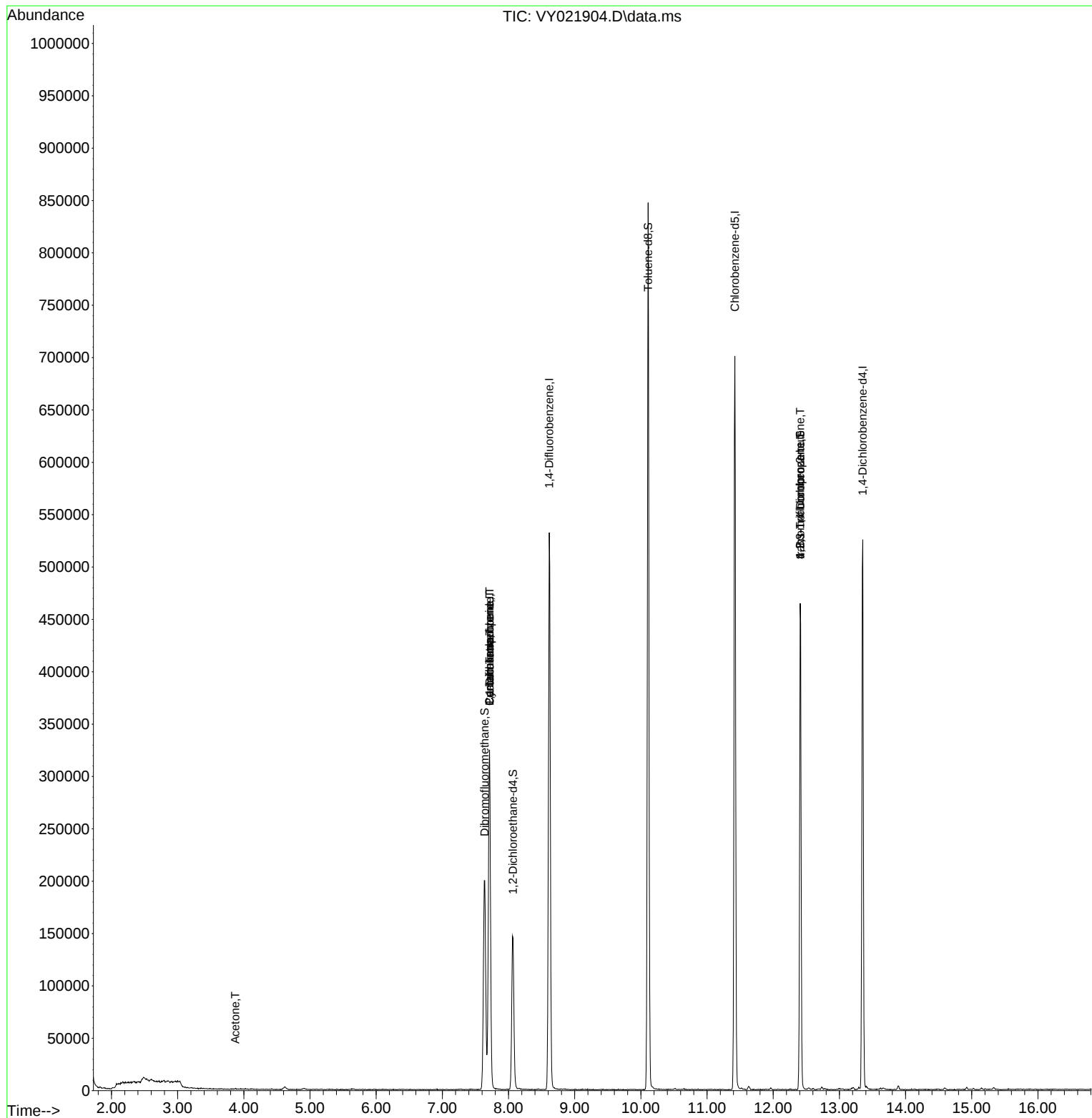
Internal Standards						
1) Pentafluorobenzene	7.713	168	245782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	368085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	130520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	119074	44.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.420%
35) Dibromofluoromethane	7.640	113	142651	49.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.480%
50) Toluene-d8	10.109	98	523923	47.535	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.060%
62) 4-Bromofluorobenzene	12.408	95	140473	37.679	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.360%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	874	1.604	ug/l	99
20) Methylene Chloride	4.622	84	1723	Below Cal	#	77
31) Cyclohexane	7.713	56	5434	1.156	ug/l #	6
36) 1,1-Dichloropropene	7.713	75	18878	4.278	ug/l #	52
38) Carbon Tetrachloride	7.713	117	25572	5.059	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	74472	57.561	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	74472	132.631	ug/l #	12

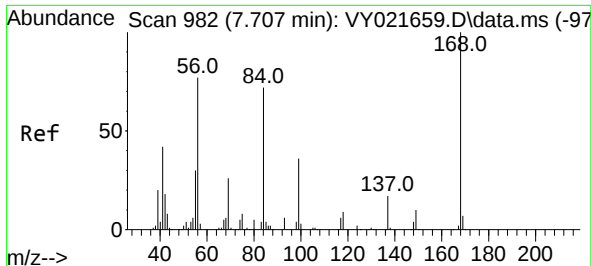
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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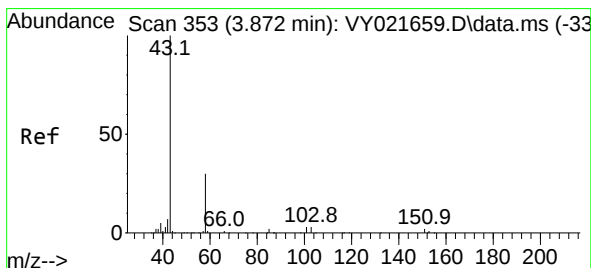
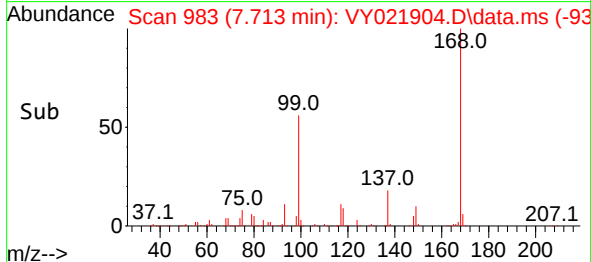
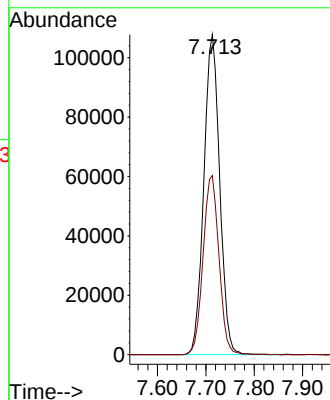
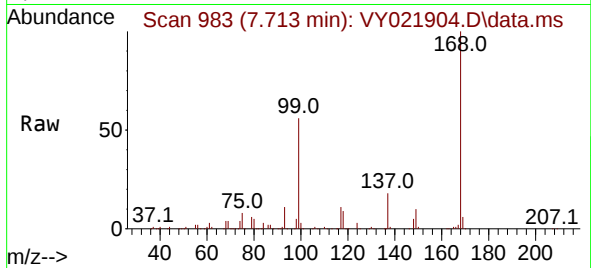




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021904.D
Acq: 17 Apr 2025 12:31

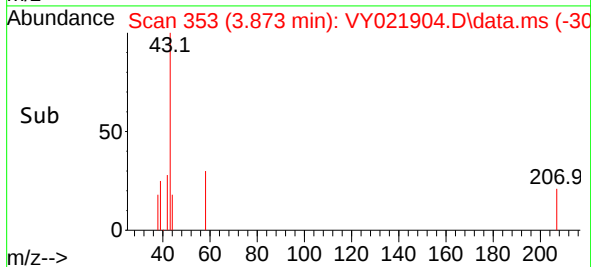
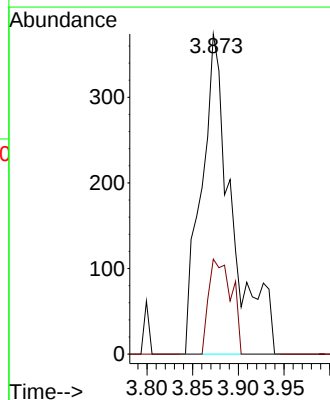
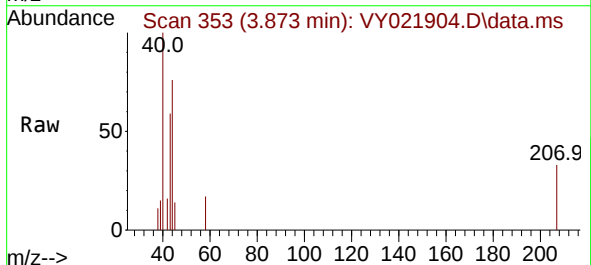
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE

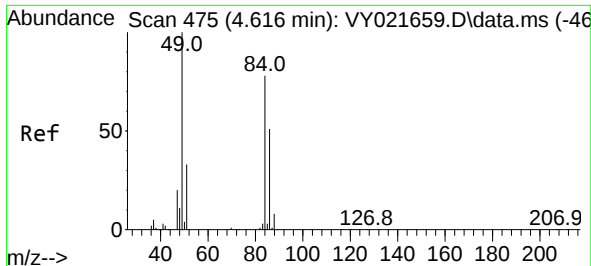
Tgt Ion:168 Resp: 245782
Ion Ratio Lower Upper
168 100
99 56.0 46.7 70.1



#16
Acetone
Concen: 1.604 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021904.D
Acq: 17 Apr 2025 12:31

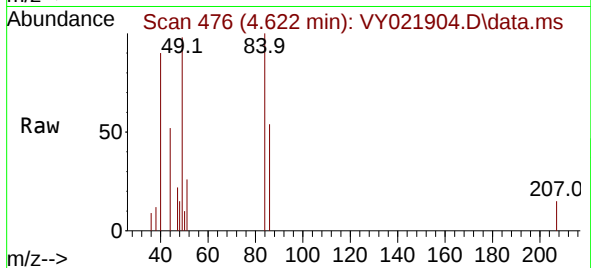
Tgt Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
58 29.7 24.2 36.4





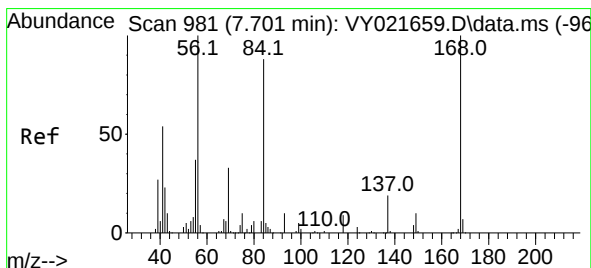
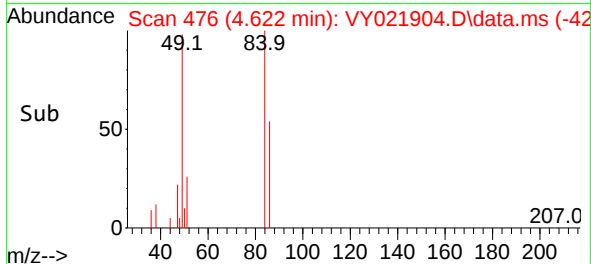
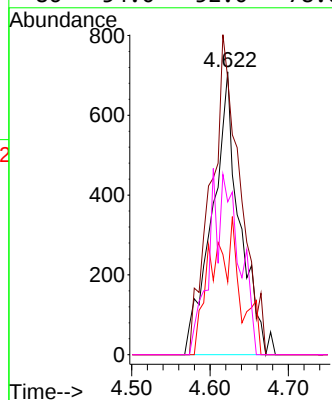
#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021904.D
Acq: 17 Apr 2025 12:31

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE



Tgt Ion: 84 Resp: 1723

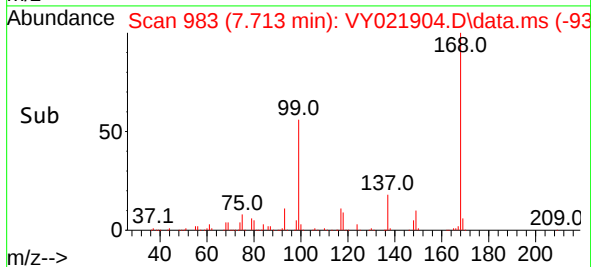
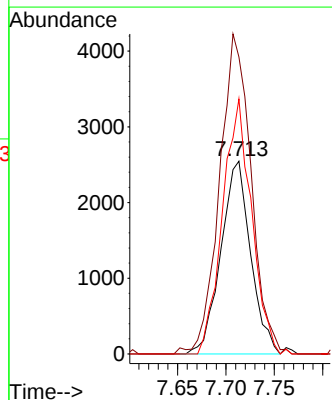
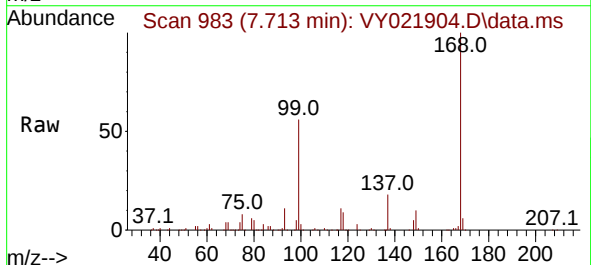
Ion	Ratio	Lower	Upper
84	100		
49	97.6	102.8	154.2#
51	25.7	33.5	50.3#
86	54.0	52.0	78.0

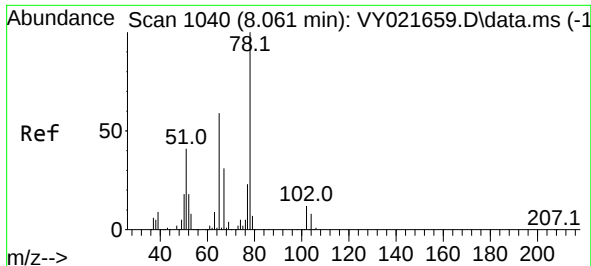


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021904.D
Acq: 17 Apr 2025 12:31

Tgt Ion: 56 Resp: 5434

Ion	Ratio	Lower	Upper
56	100		
69	151.8	26.6	40.0#
84	132.3	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 44.715 ug/l

RT: 8.067 min Scan# 11041

Delta R.T. 0.006 min

Lab File: VY021904.D

Acq: 17 Apr 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

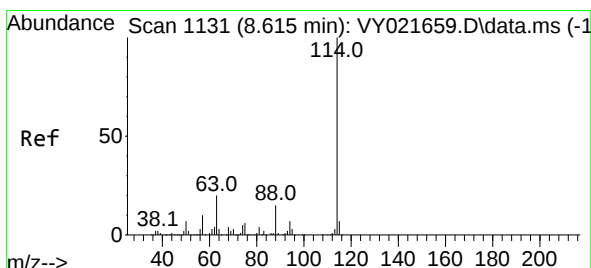
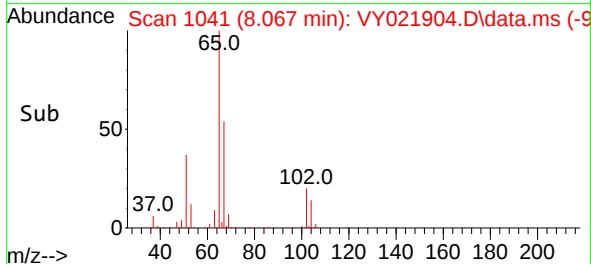
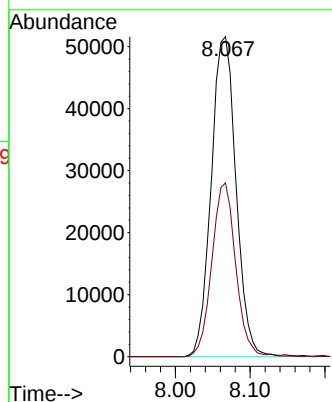
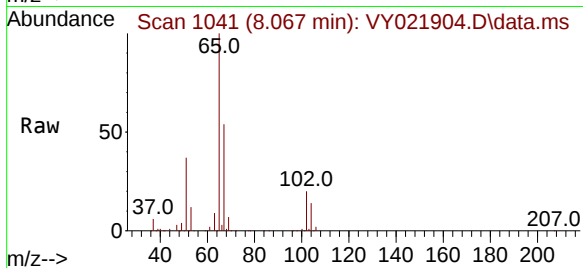
SOIL-PILE

Tgt Ion: 65 Resp: 119074

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021904.D

Acq: 17 Apr 2025 12:31

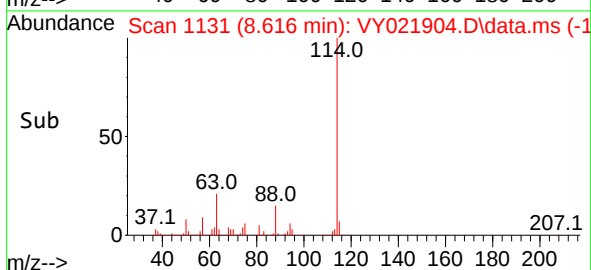
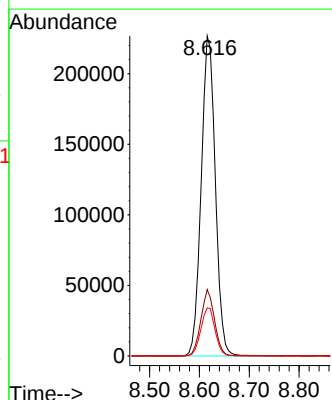
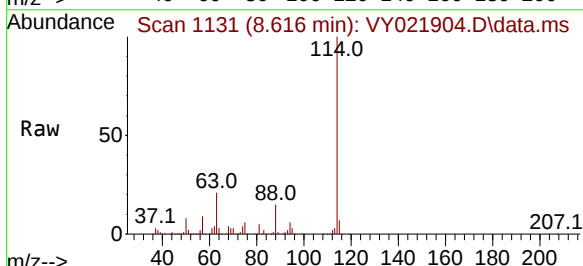
Tgt Ion: 114 Resp: 446629

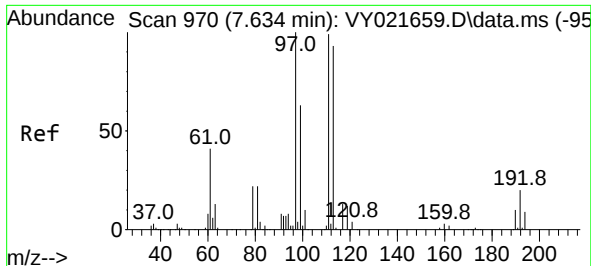
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

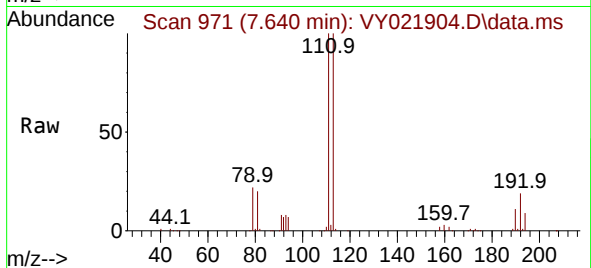
88 15.0 0.0 29.8



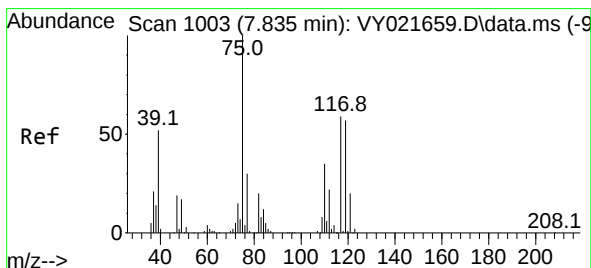
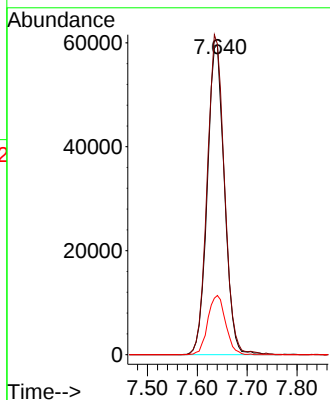
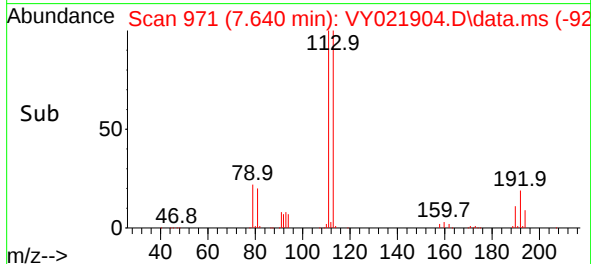


#35
Dibromofluoromethane
Concen: 49.237 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY021904.D
Acq: 17 Apr 2025 12:31

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE

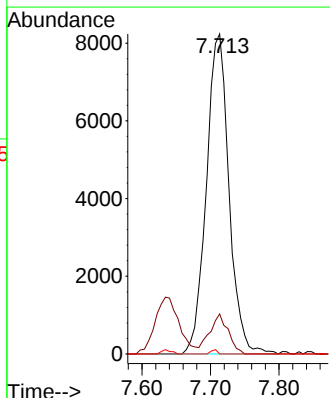
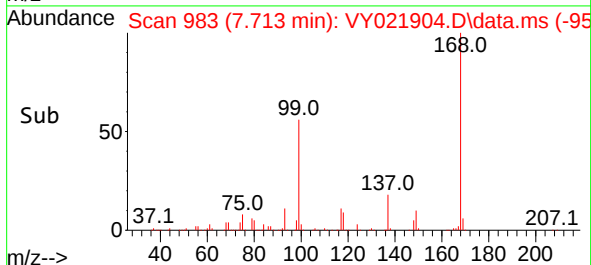
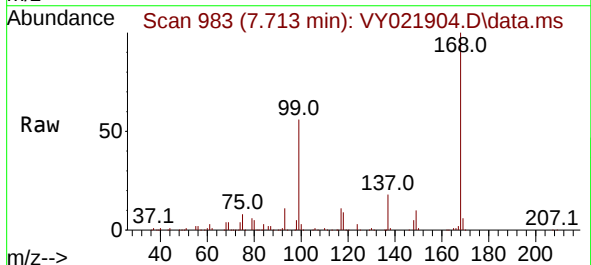


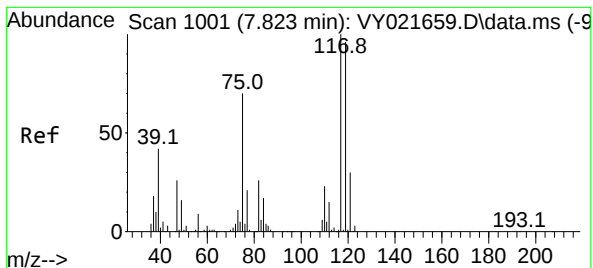
Tgt Ion:113 Resp: 142651
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 19.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.278 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021904.D
Acq: 17 Apr 2025 12:31

Tgt Ion: 75 Resp: 18878
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.4 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.059 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY021904.D

Acq: 17 Apr 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-PILE

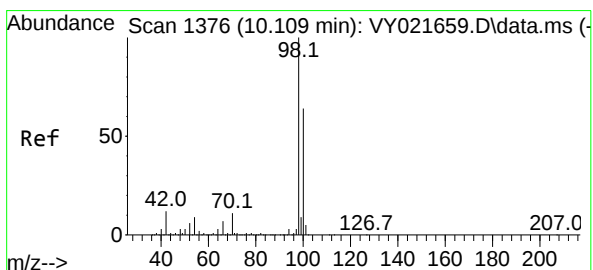
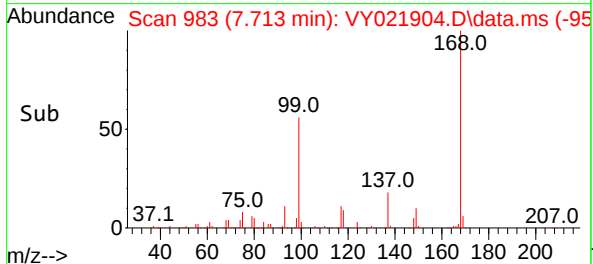
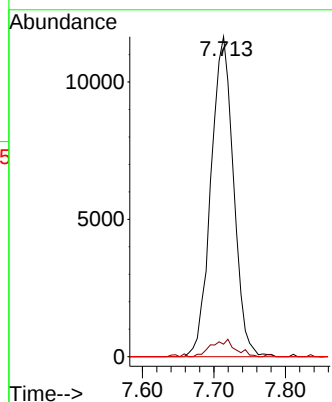
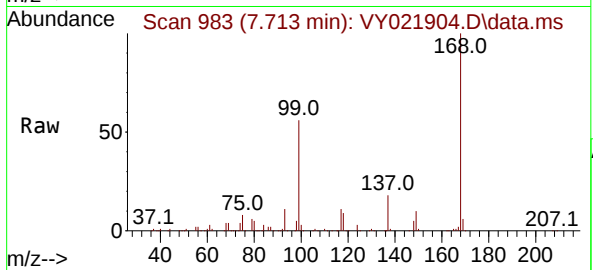
Tgt Ion:117 Resp: 25572

Ion Ratio Lower Upper

117 100

119 3.9 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 47.535 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021904.D

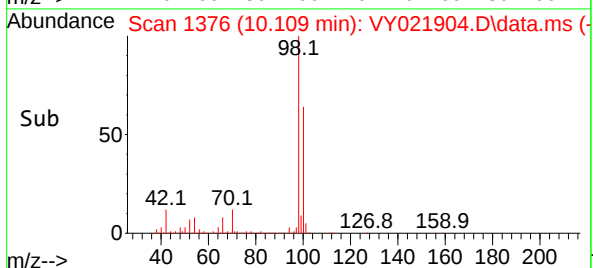
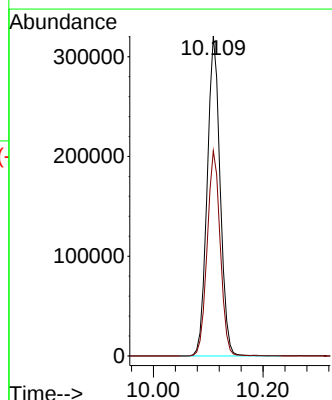
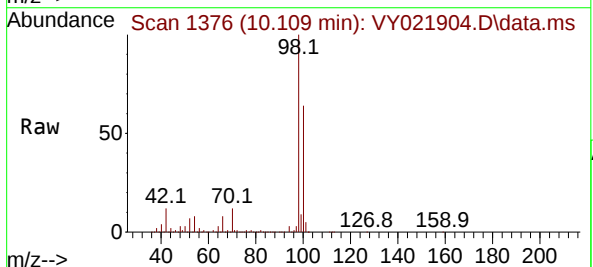
Acq: 17 Apr 2025 12:31

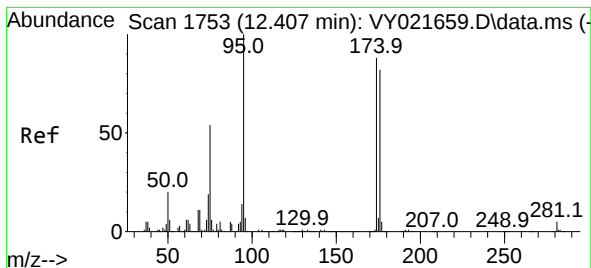
Tgt Ion: 98 Resp: 523923

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 37.679 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021904.D

Acq: 17 Apr 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-PILE

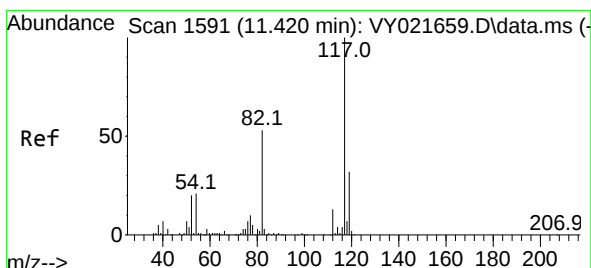
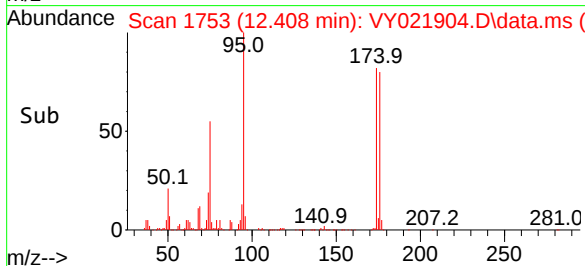
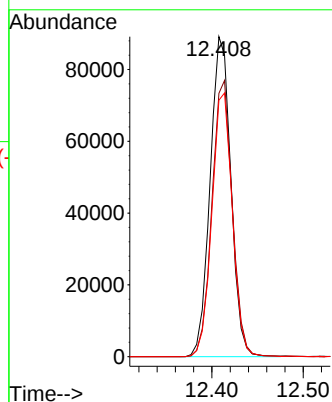
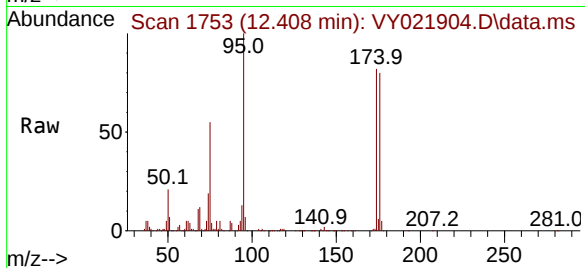
Tgt Ion: 95 Resp: 140473

Ion Ratio Lower Upper

95 100

174 85.2 0.0 170.8

176 81.5 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021904.D

Acq: 17 Apr 2025 12:31

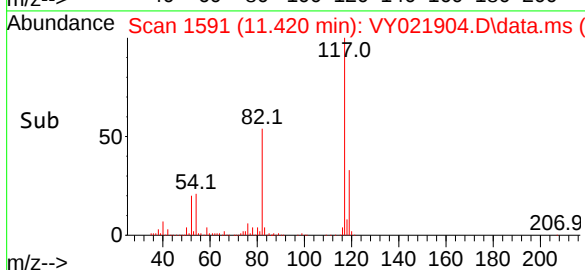
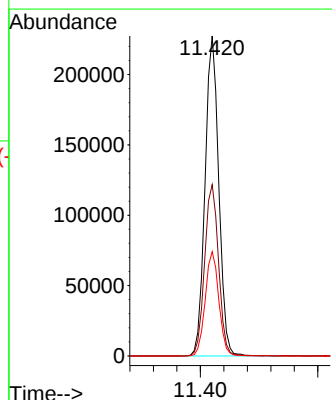
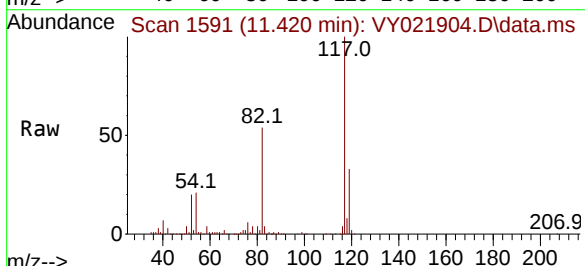
Tgt Ion: 117 Resp: 368085

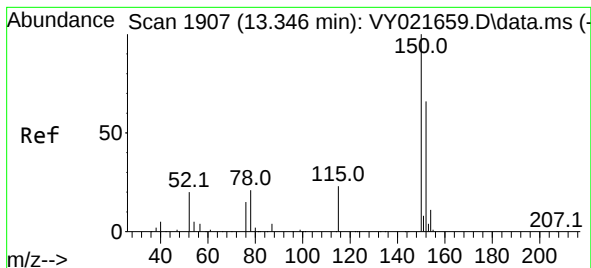
Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 32.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY021904.D

Acq: 17 Apr 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-PILE

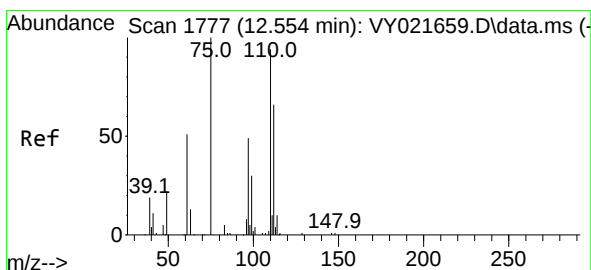
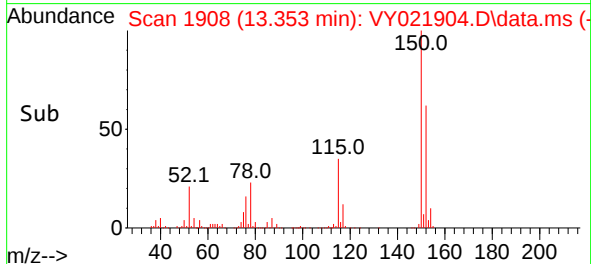
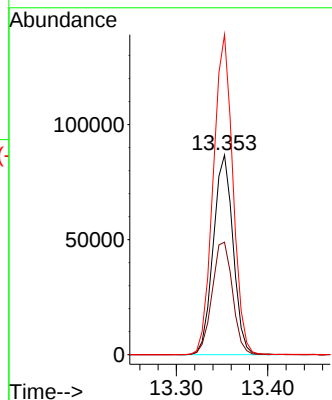
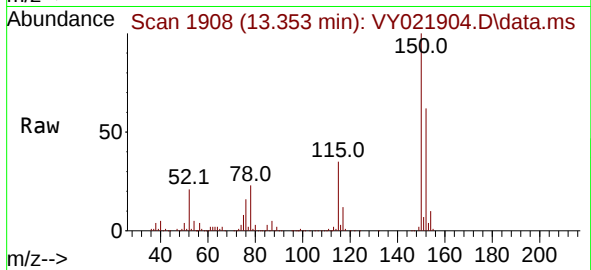
Tgt Ion:152 Resp: 130520

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 158.9 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 57.561 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021904.D

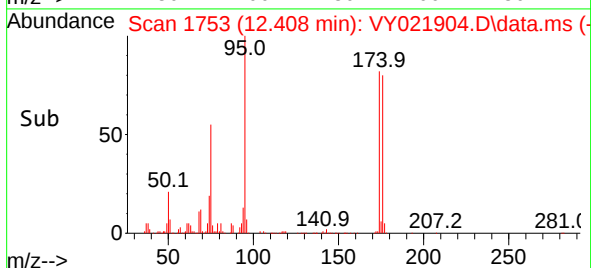
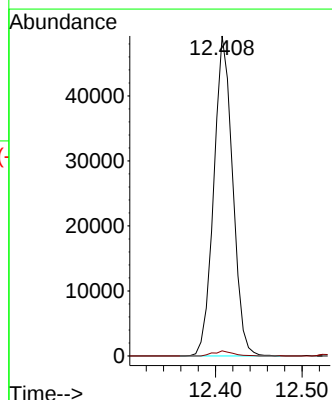
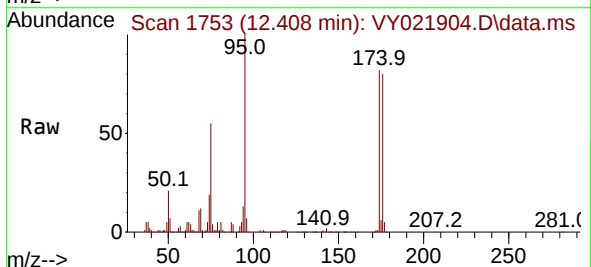
Acq: 17 Apr 2025 12:31

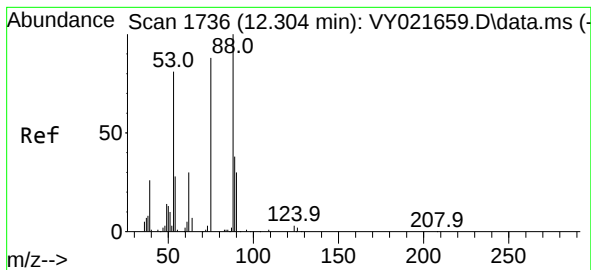
Tgt Ion: 75 Resp: 74472

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.631 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021904.D
 Acq: 17 Apr 2025 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-PILE

Tgt Ion: 75 Resp: 74472
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

