

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021923.D
 Acq On : 18 Apr 2025 12:13
 Operator : SY/MD
 Sample : Q1830-11
 Misc : 3.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-2

Quant Time: Apr 19 01:11:10 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)

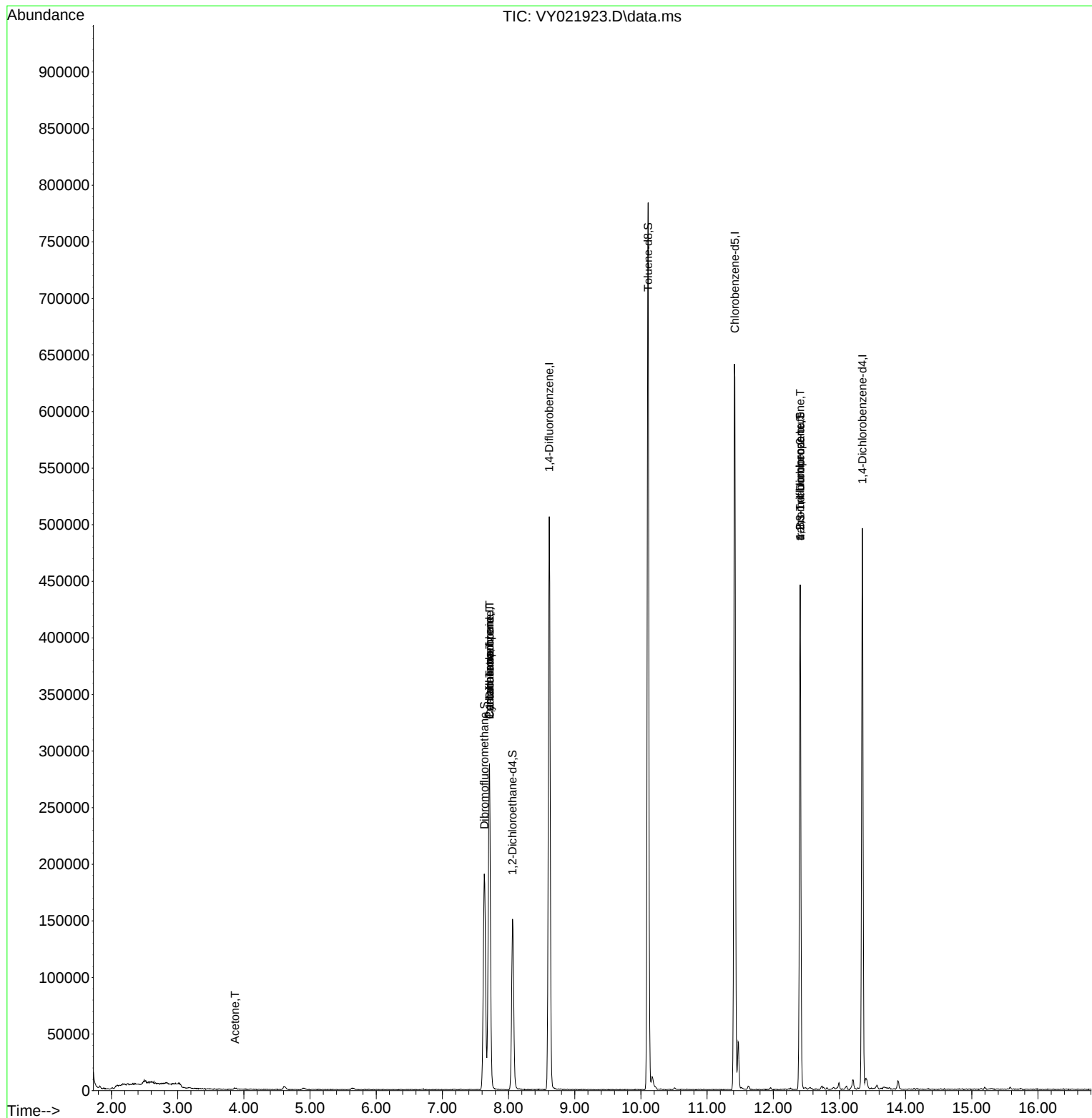
Internal Standards						
1) Pentafluorobenzene	7.713	168	221474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	412378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	342774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	122489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117585	49.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.000%
35) Dibromofluoromethane	7.634	113	135042	50.482	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.960%
50) Toluene-d8	10.109	98	494787	48.620	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.240%
62) 4-Bromofluorobenzene	12.407	95	130686	37.966	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.940%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1928	3.926	ug/l	98
20) Methylene Chloride	4.604	84	786	Below Cal	#	65
31) Cyclohexane	7.713	56	4904	1.158	ug/l #	10
36) 1,1-Dichloropropene	7.713	75	17713	4.347	ug/l #	51
38) Carbon Tetrachloride	7.713	117	21383	4.582	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	68745	56.618	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	68745	130.458	ug/l #	12

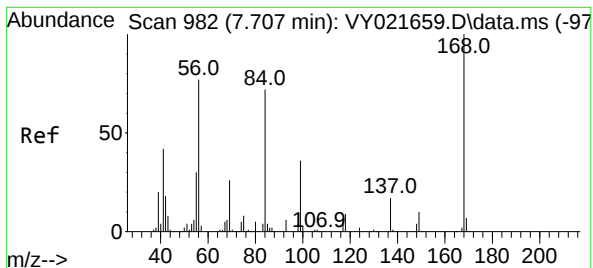
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SOIL-2

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY021923.D

Acq: 18 Apr 2025 12:13

Instrument :

MSVOA_Y

ClientSampleId :

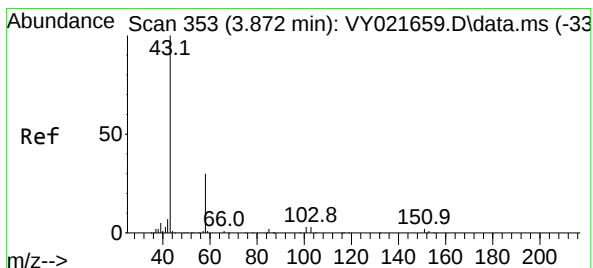
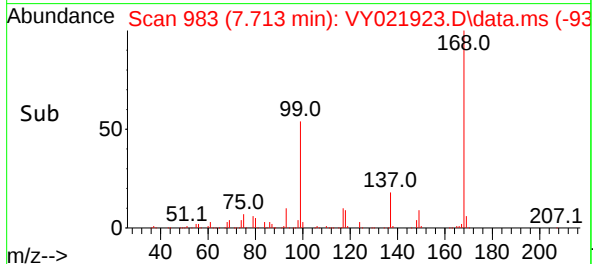
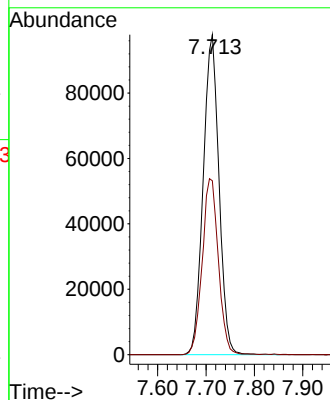
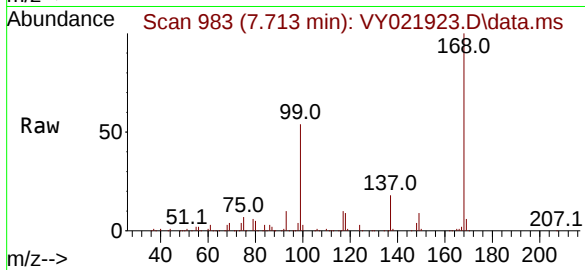
SOIL-2

Tgt Ion:168 Resp: 221474

Ion Ratio Lower Upper

168 100

99 54.4 46.7 70.1



#16

Acetone

Concen: 3.926 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY021923.D

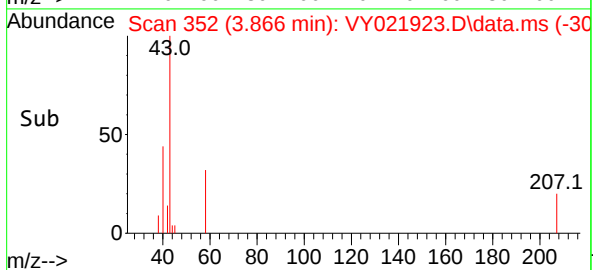
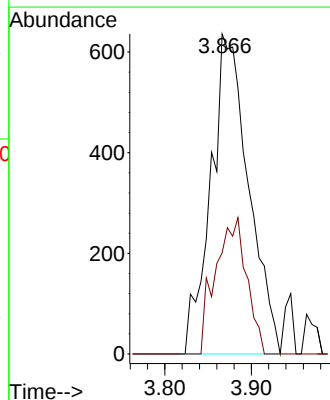
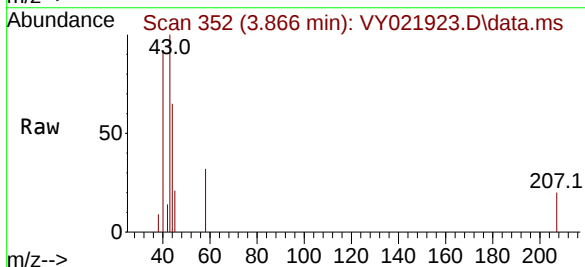
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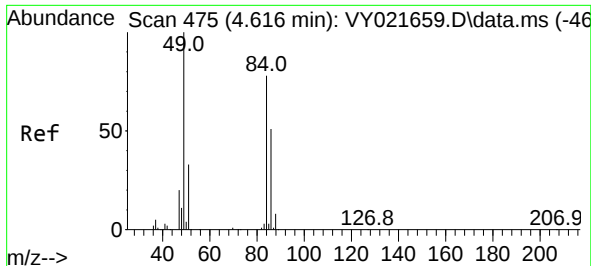
Tgt Ion: 43 Resp: 1928

Ion Ratio Lower Upper

43 100

58 31.6 24.2 36.4

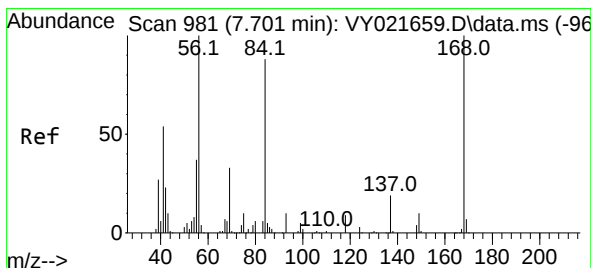
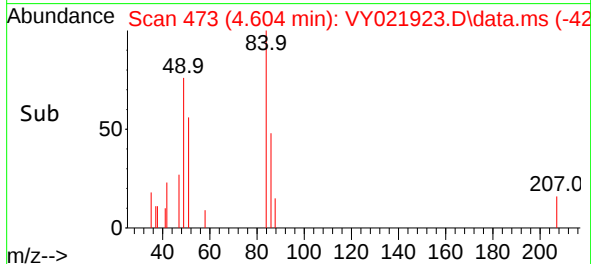
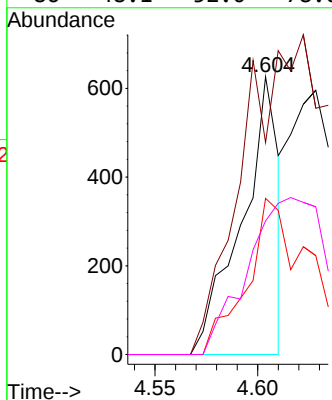
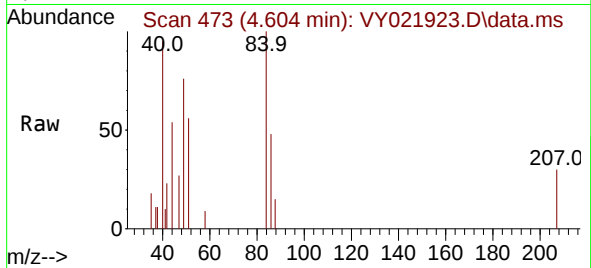




#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021923.D
Acq: 18 Apr 2025 12:13

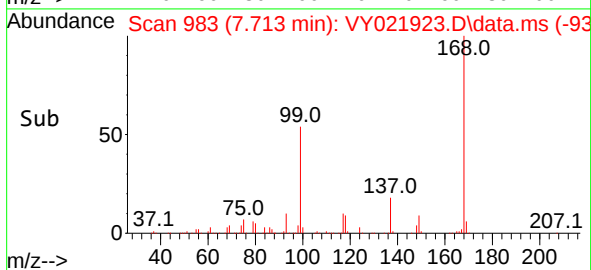
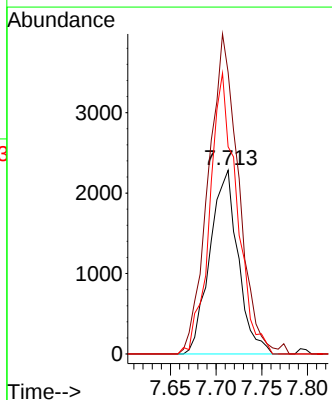
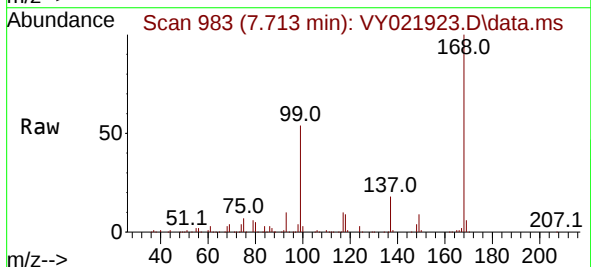
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

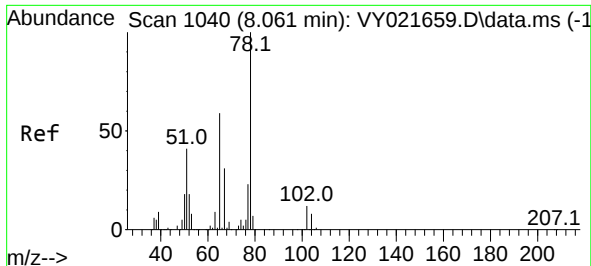
Tgt Ion:	84	Resp:	786
Ion	Ratio	Lower	Upper
84	100		
49	76.4	102.8	154.2#
51	56.2	33.5	50.3#
86	48.1	52.0	78.0#



#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021923.D
Acq: 18 Apr 2025 12:13

Tgt Ion:	56	Resp:	4904
Ion	Ratio	Lower	Upper
56	100		
69	153.4	26.6	40.0#
84	125.4	69.0	103.4#

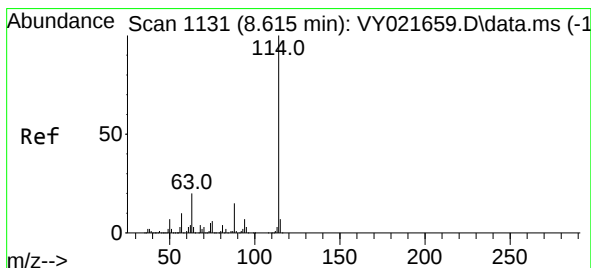
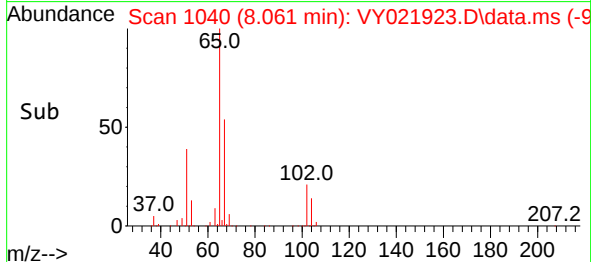
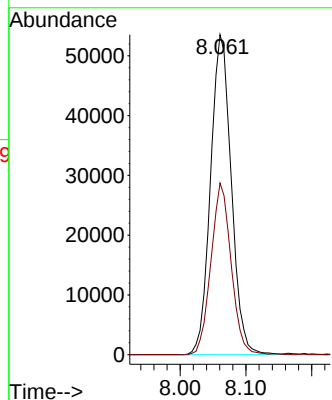
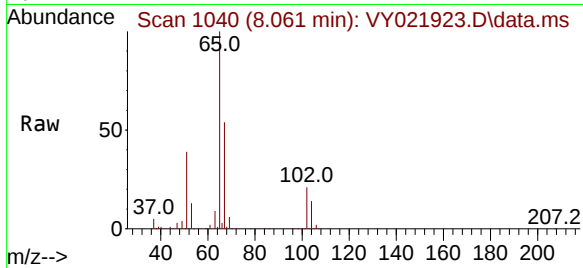




#33
 1,2-Dichloroethane-d4
 Concen: 49.002 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. -0.000 min
 Lab File: VY021923.D
 Acq: 18 Apr 2025 12:13

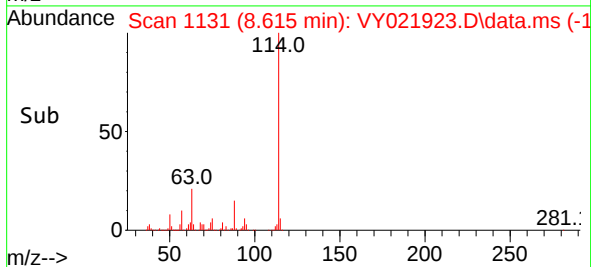
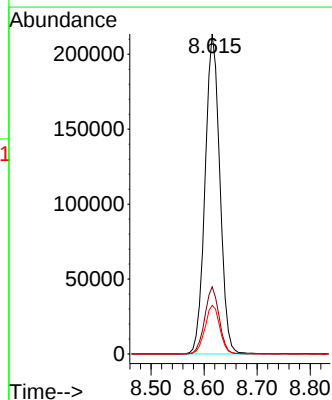
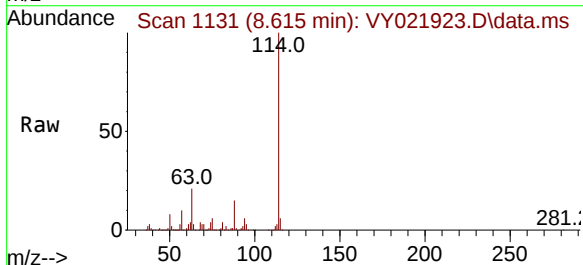
Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-2

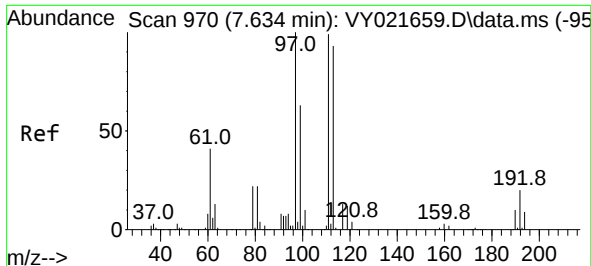
Tgt Ion: 65 Resp: 117585
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY021923.D
 Acq: 18 Apr 2025 12:13

Tgt Ion: 114 Resp: 412378
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.2
 88 15.2 0.0 29.8

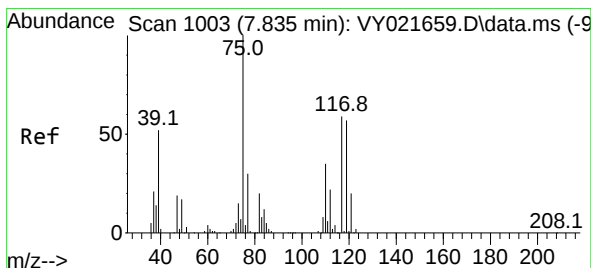
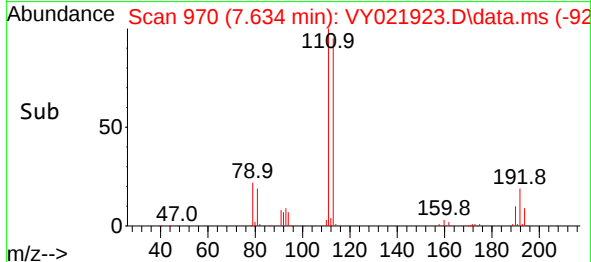
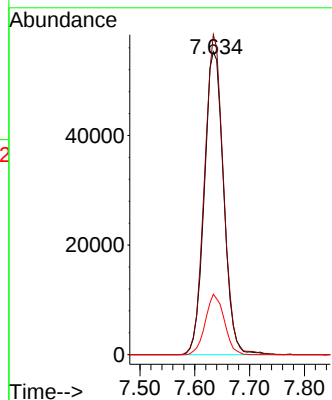
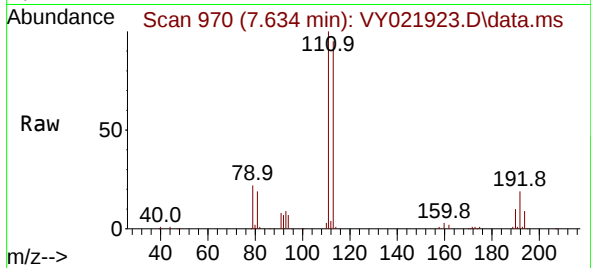




#35
Dibromofluoromethane
Concen: 50.482 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021923.D
Acq: 18 Apr 2025 12:13

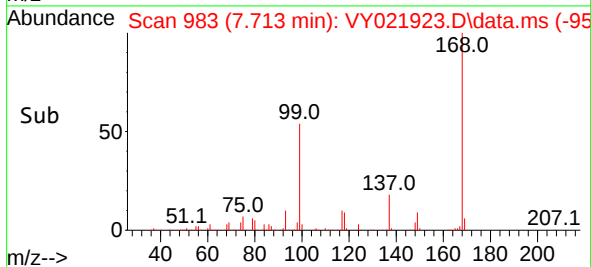
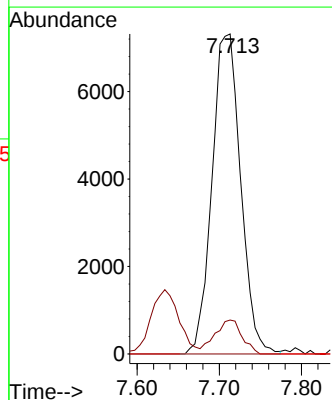
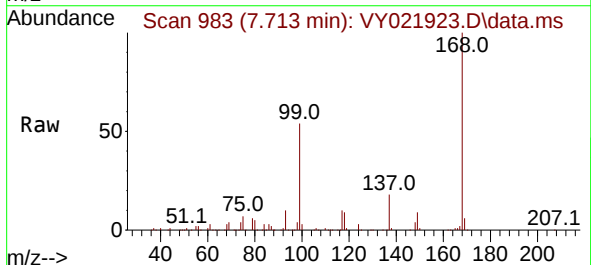
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

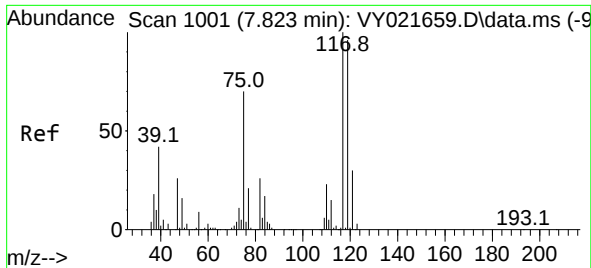
Tgt Ion:113 Resp: 135042
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.347 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021923.D
Acq: 18 Apr 2025 12:13

Tgt Ion: 75 Resp: 17713
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.8 37.2#

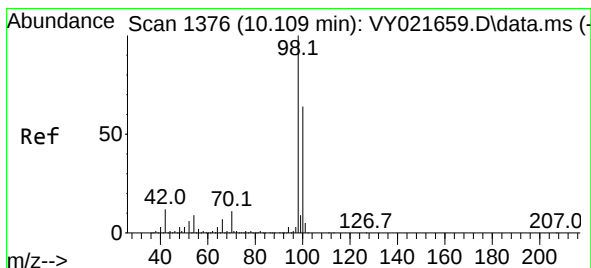
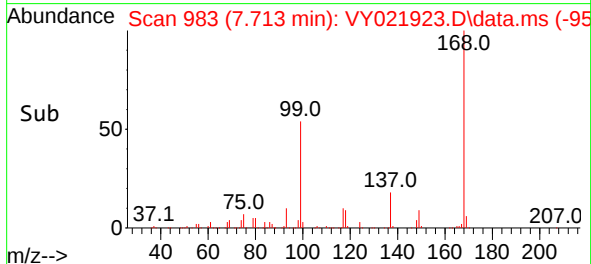
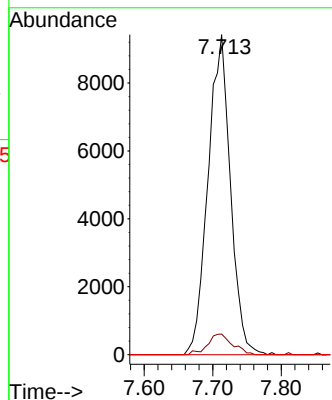
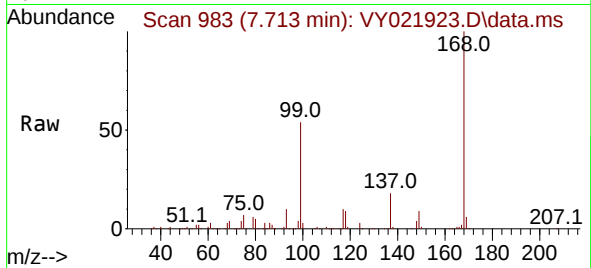




#38
Carbon Tetrachloride
Concen: 4.582 ug/l
RT: 7.713 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY021923.D
Acq: 18 Apr 2025 12:13

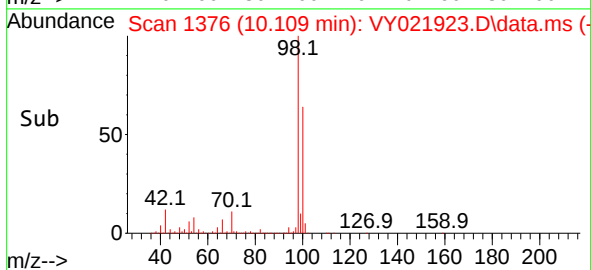
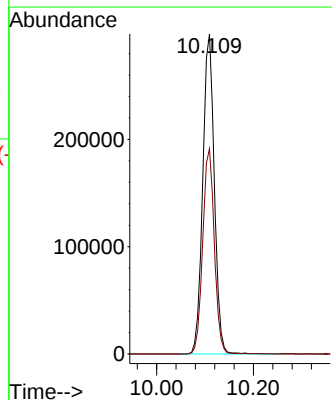
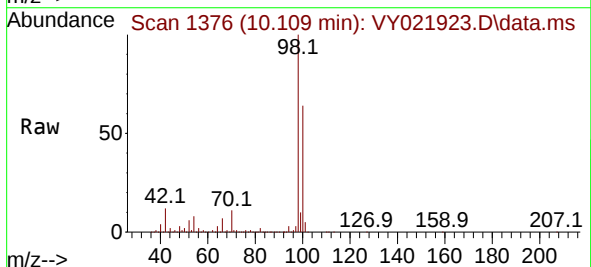
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

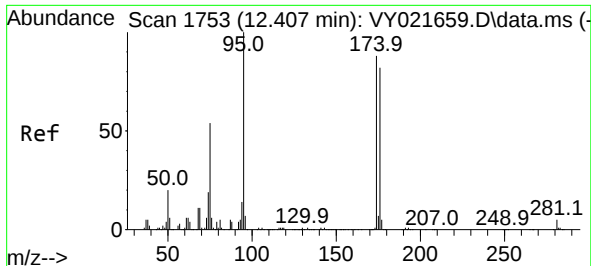
Tgt Ion:117 Resp: 21383
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.620 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021923.D
Acq: 18 Apr 2025 12:13

Tgt Ion: 98 Resp: 494787
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

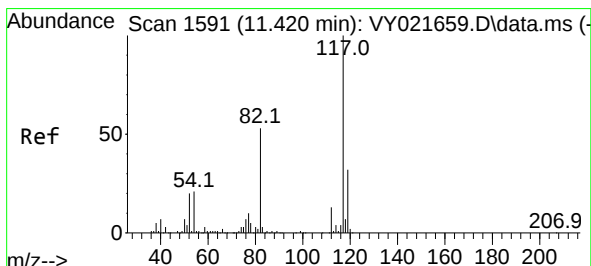
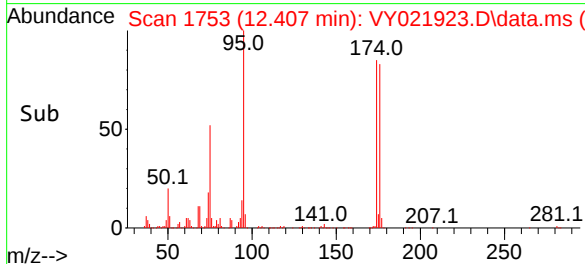
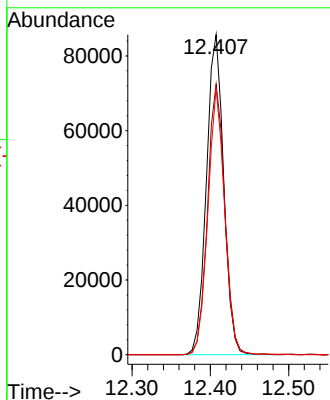
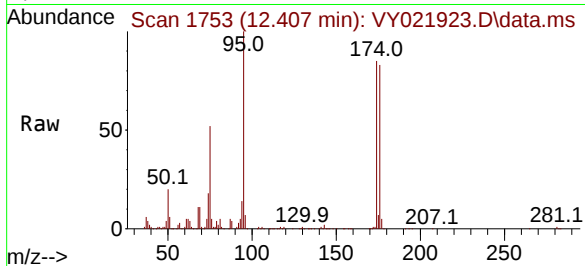




#62
4-Bromofluorobenzene
Concen: 37.966 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021923.D
Acq: 18 Apr 2025 12:13

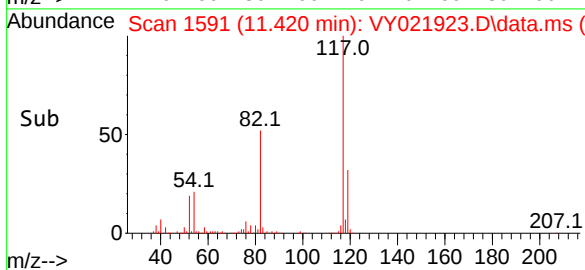
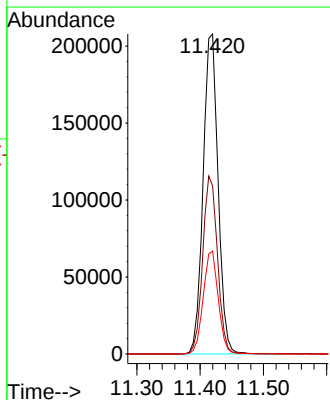
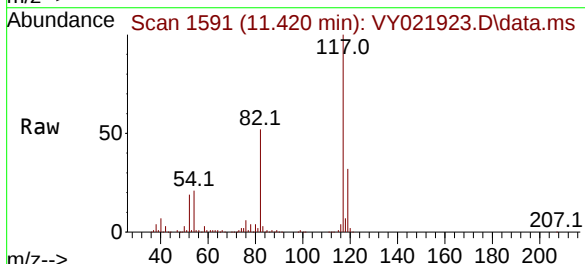
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MSVOA_Y
ClientSampleId :
SOIL-2

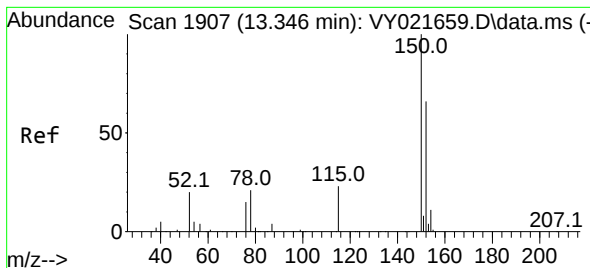
Tgt Ion: 95 Resp: 130686
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.8
176 80.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021923.D
Acq: 18 Apr 2025 12:13

Tgt Ion: 117 Resp: 342774
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 32.2 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: VY021923.D

Acq: 18 Apr 2025 12:13

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-2

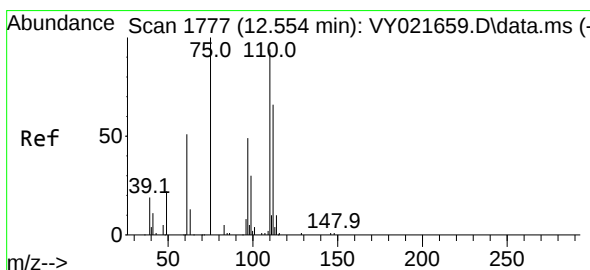
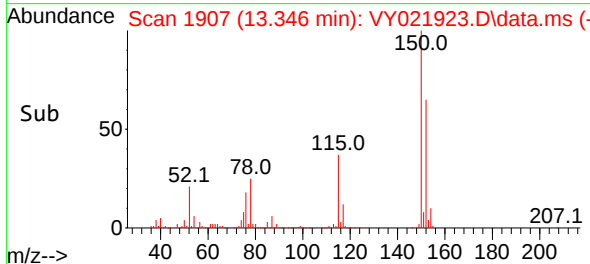
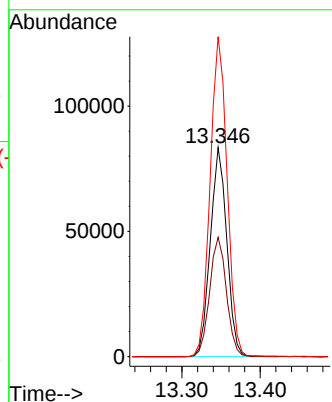
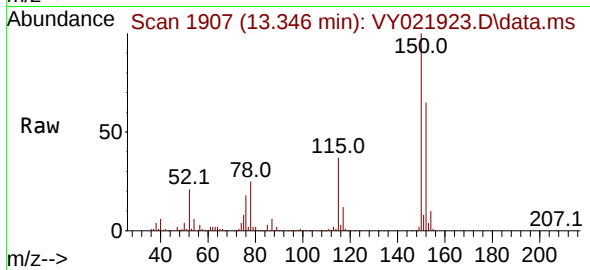
Tgt Ion:152 Resp: 122489

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 157.0 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.618 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021923.D

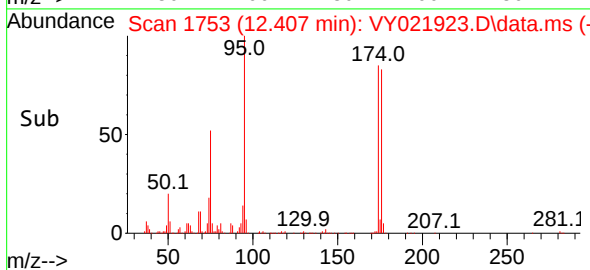
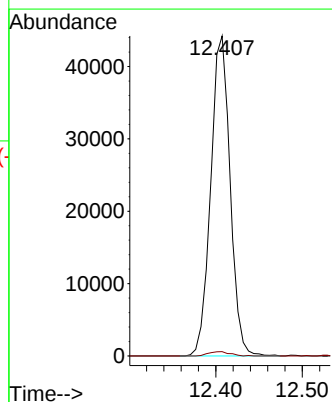
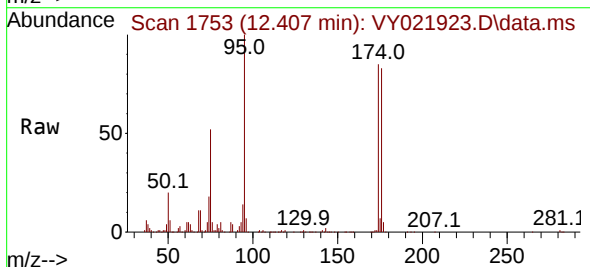
Acq: 18 Apr 2025 12:13

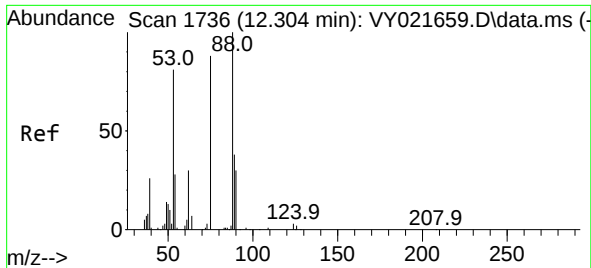
Tgt Ion: 75 Resp: 68745

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.458 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY021923.D
 Acq: 18 Apr 2025 12:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-2

Tgt Ion: 75 Resp: 68745
 Ion Ratio Lower Upper
 75 100
 53 0.5 76.1 114.1#
 89 0.0 36.2 54.4#

