

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021468.D
 Acq On : 07 Mar 2025 17:59
 Operator : SY/MD
 Sample : Q1494-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL

Quant Time: Mar 07 22:03:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

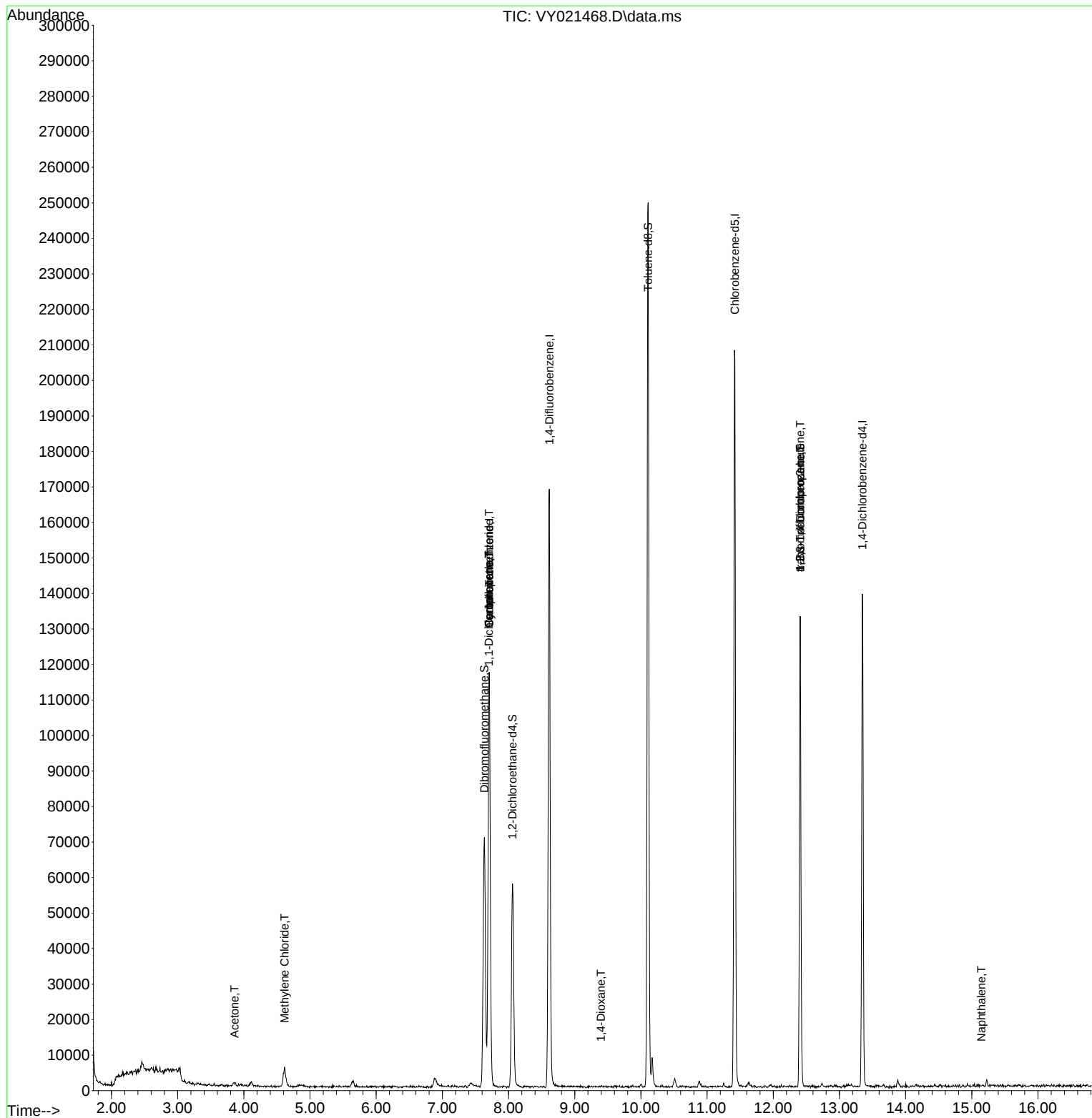
Internal Standards						
1) Pentafluorobenzene	7.707	168	84583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	139146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	109661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	34104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47661	53.313	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.620%	
35) Dibromofluoromethane	7.634	113	48802	53.357	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.720%	
50) Toluene-d8	10.109	98	162668	46.972	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.940%	
62) 4-Bromofluorobenzene	12.408	95	38585	32.755	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.897	59	41	Below Cal	#	72
16) Acetone	3.860	43	2027	10.396	ug/l #	77
20) Methylene Chloride	4.616	84	2978	2.910	ug/l	85
31) Cyclohexane	7.707	56	1963	1.172	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	7326	5.117	ug/l #	49
38) Carbon Tetrachloride	7.707	117	9057	5.501	ug/l #	16
49) 1,4-Dioxane	9.396	88	18	3.284	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	20652	60.094	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	20652	136.613	ug/l #	9
95) Naphthalene	15.145	128	162	1.624	ug/l #	69

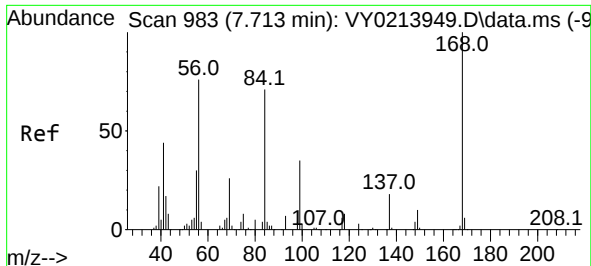
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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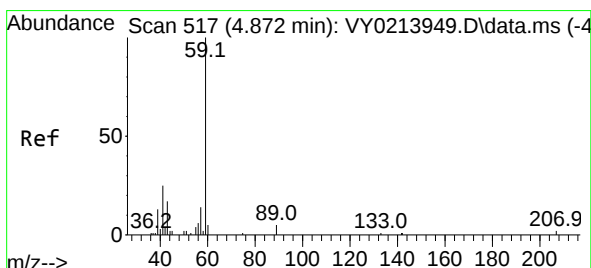
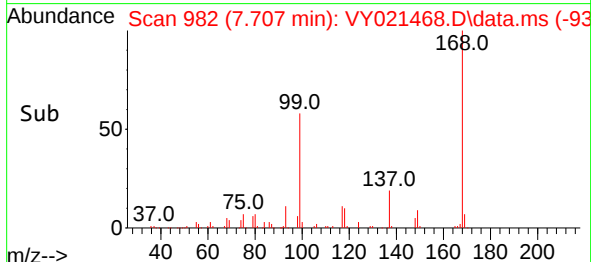
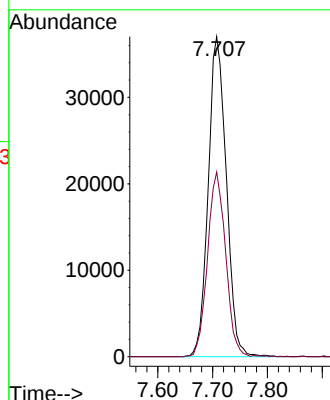
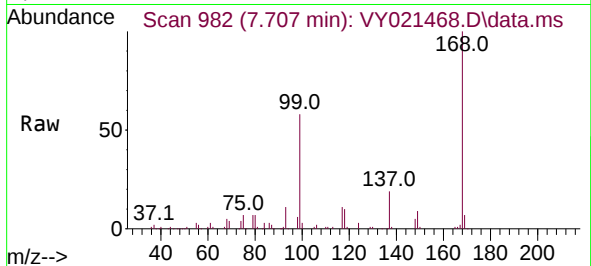




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

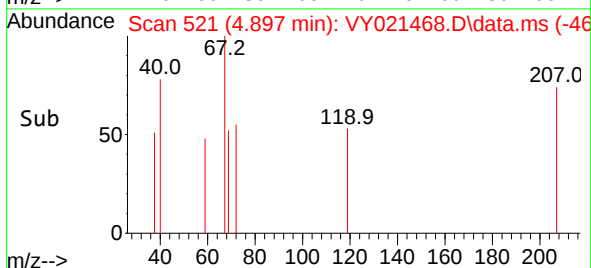
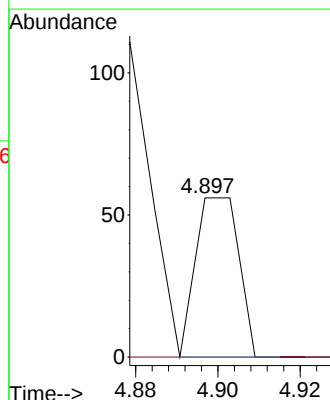
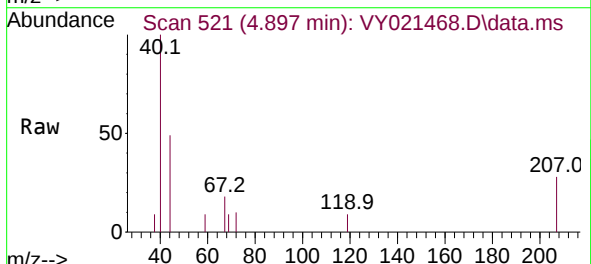
Instrument :
MSVOA_Y
ClientSampleId :
SOIL

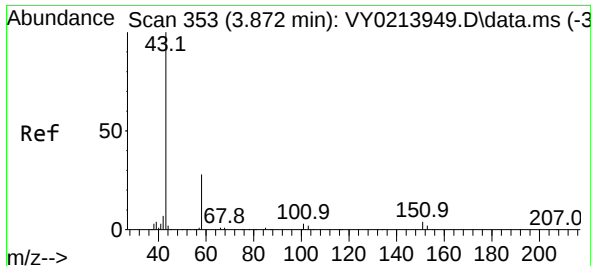
Tgt Ion:168 Resp: 84583
Ion Ratio Lower Upper
168 100
99 57.7 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.897 min Scan# 521
Delta R.T. 0.025 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

Tgt Ion: 59 Resp: 41
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

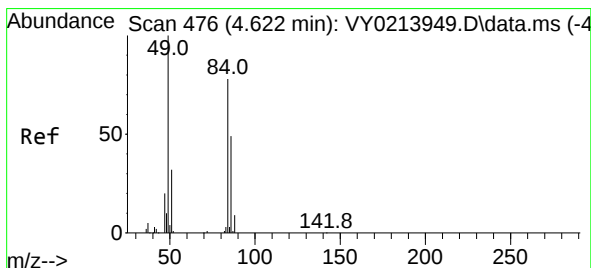
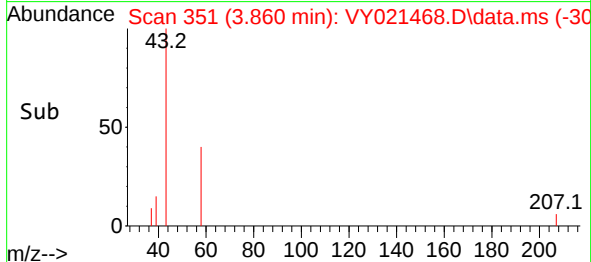
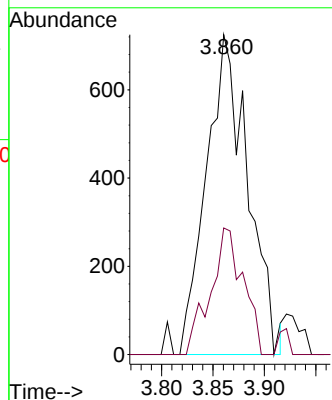
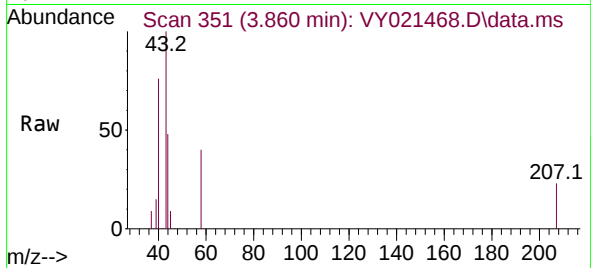




#16
Acetone
Concen: 10.396 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

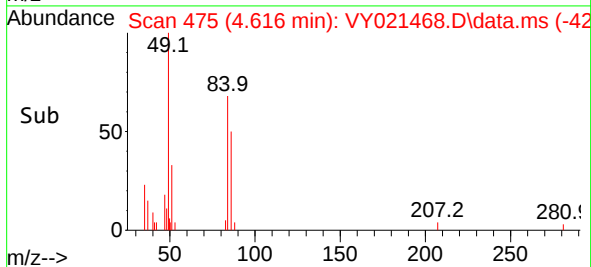
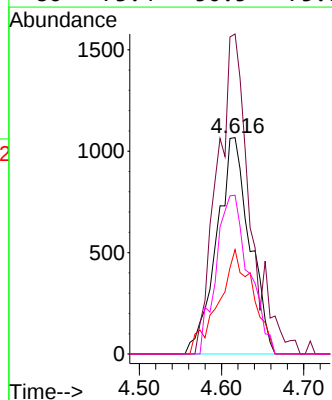
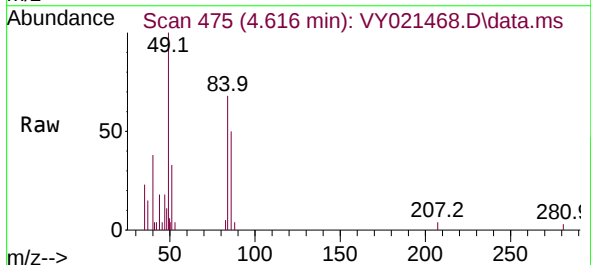
Instrument :
MSVOA_Y
ClientSampleId :
SOIL

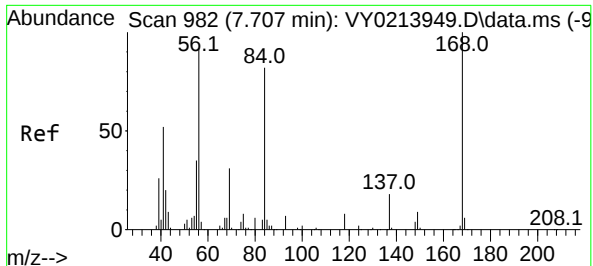
Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
58 39.6 22.1 33.1#



#20
Methylene Chloride
Concen: 2.910 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

Tgt Ion: 84 Resp: 2978
Ion Ratio Lower Upper
84 100
49 147.9 102.0 153.0
51 48.3 33.0 49.6
86 73.4 50.5 75.7

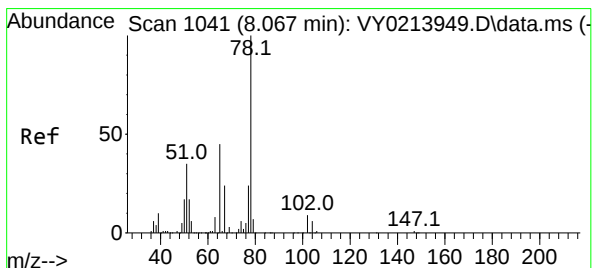
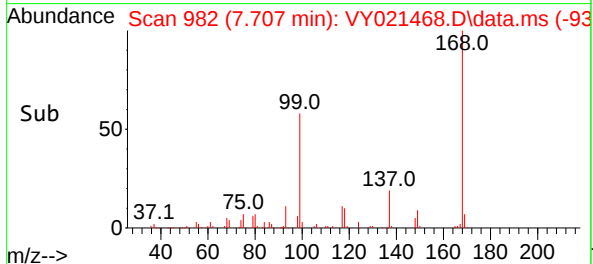
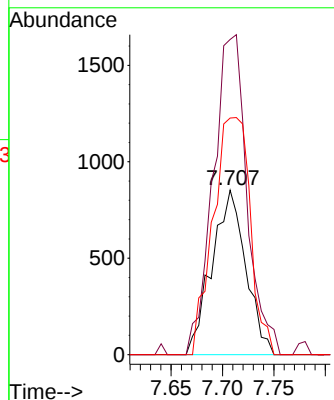
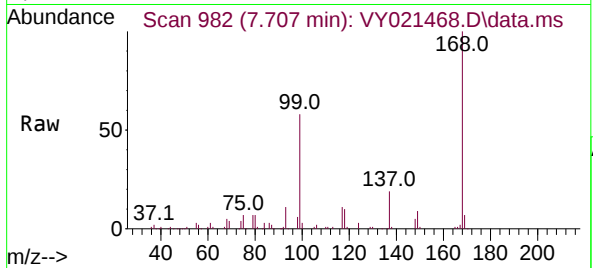




#31
Cyclohexane
Concen: 1.172 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

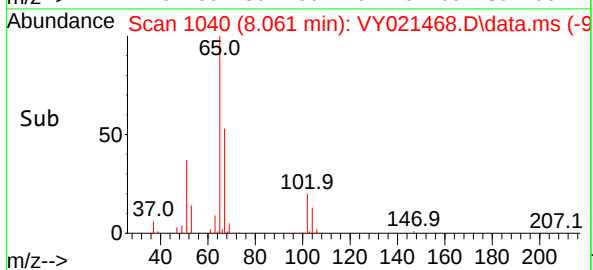
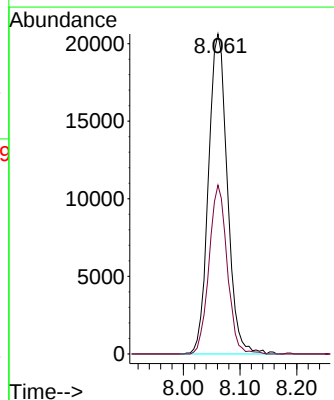
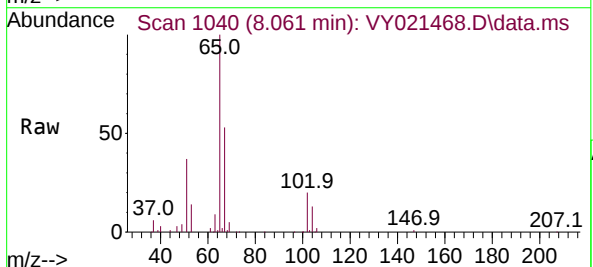
Instrument :
MSVOA_Y
ClientSampleId :
SOIL

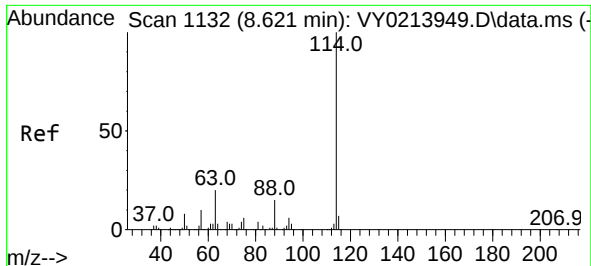
Tgt Ion: 56 Resp: 1963
Ion Ratio Lower Upper
56 100
69 191.6 27.0 40.4#
84 143.8 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 53.313 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

Tgt Ion: 65 Resp: 47661
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021468.D

Acq: 07 Mar 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

SOIL

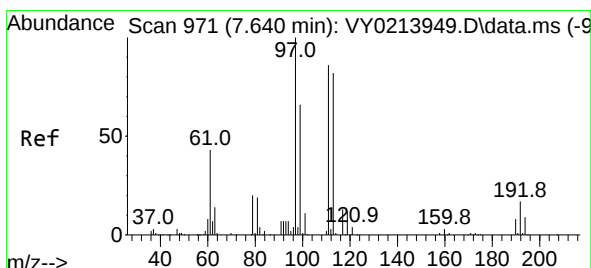
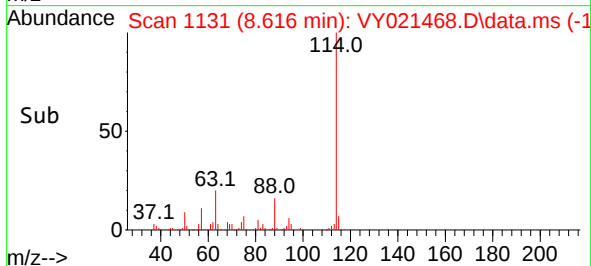
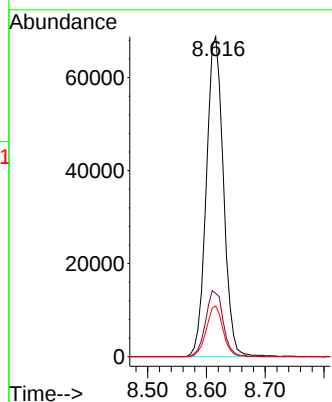
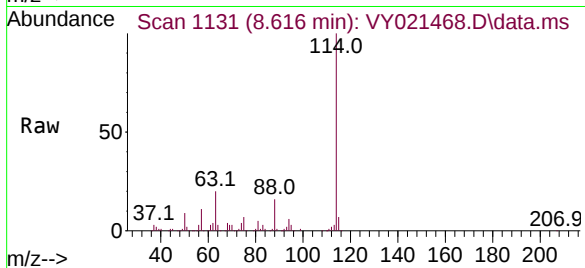
Tgt Ion:114 Resp: 139146

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.8 0.0 30.8



#35

Dibromofluoromethane

Concen: 53.357 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021468.D

Acq: 07 Mar 2025 17:59

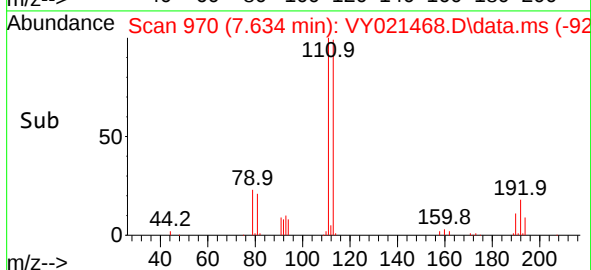
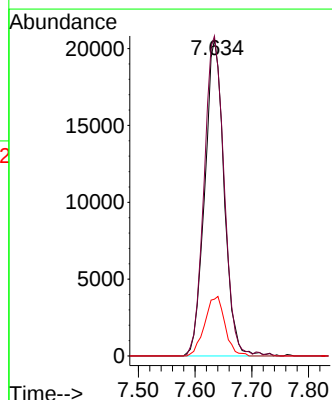
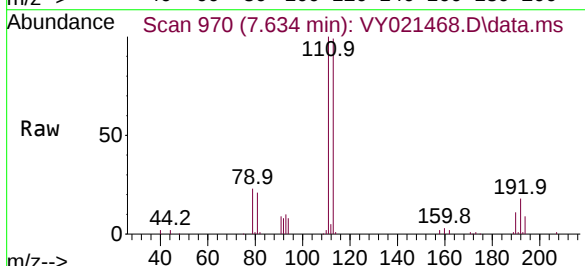
Tgt Ion:113 Resp: 48802

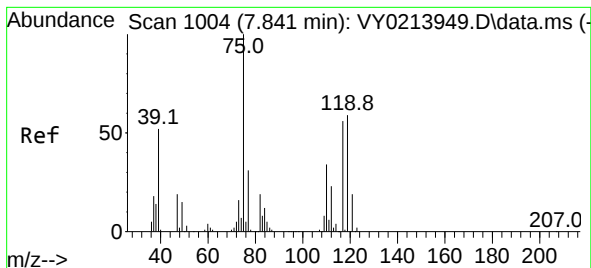
Ion Ratio Lower Upper

113 100

111 103.8 82.0 123.0

192 19.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.117 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021468.D

Acq: 07 Mar 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

SOIL

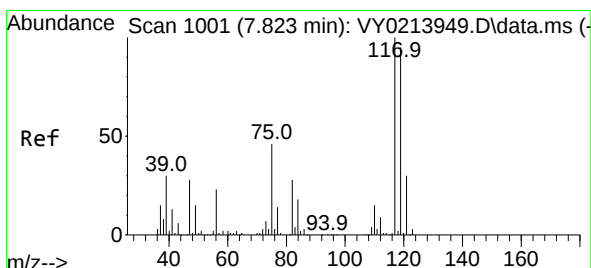
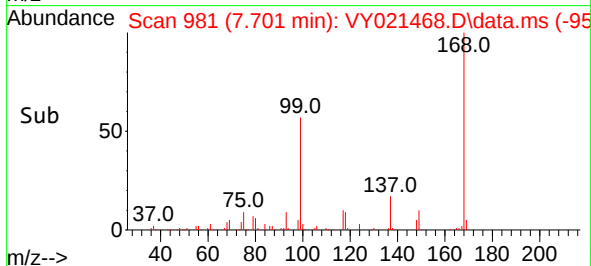
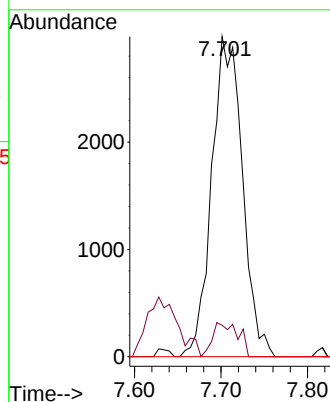
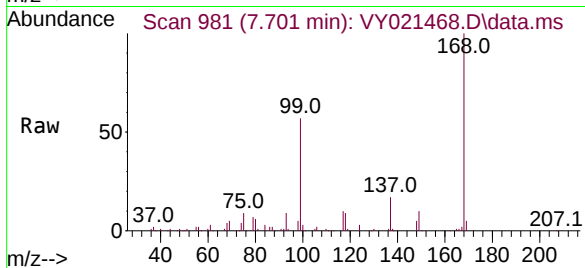
Tgt Ion: 75 Resp: 7326

Ion Ratio Lower Upper

75 100

110 8.9 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.501 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.115 min

Lab File: VY021468.D

Acq: 07 Mar 2025 17:59

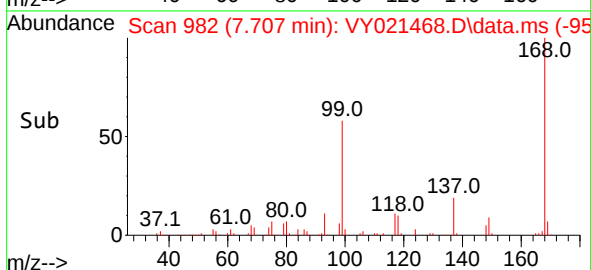
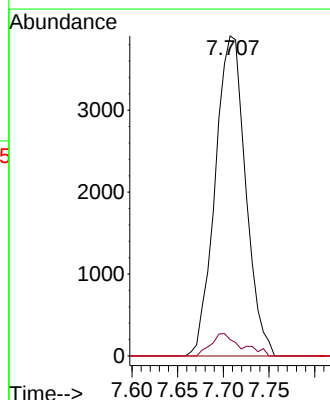
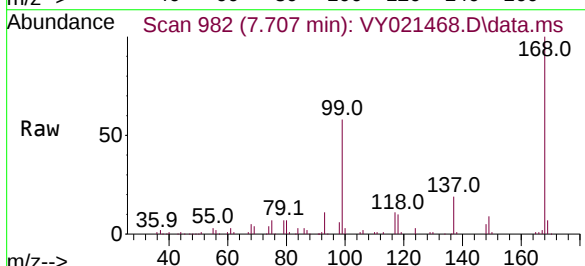
Tgt Ion: 117 Resp: 9057

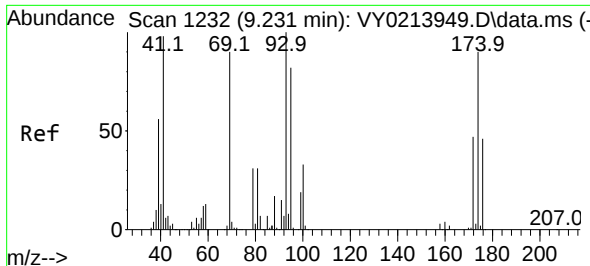
Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.8#

121 0.0 23.9 35.9#

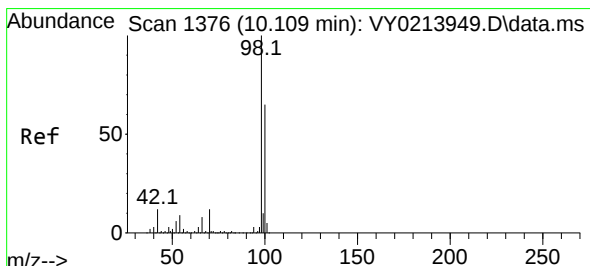
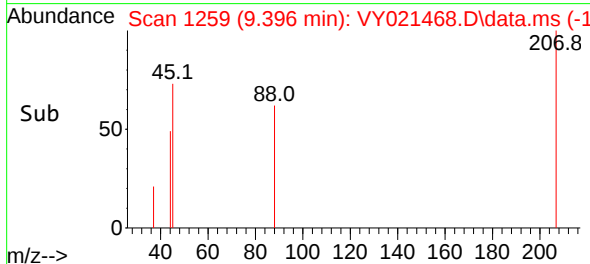
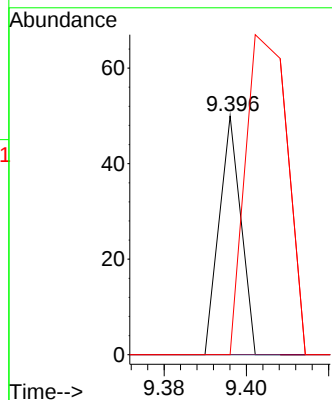
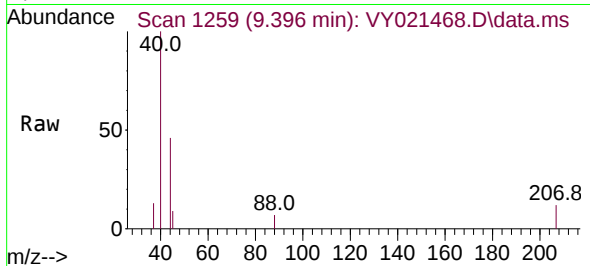




#49
1,4-Dioxane
Concen: 3.284 ug/l
RT: 9.396 min Scan# 1259
Delta R.T. 0.165 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

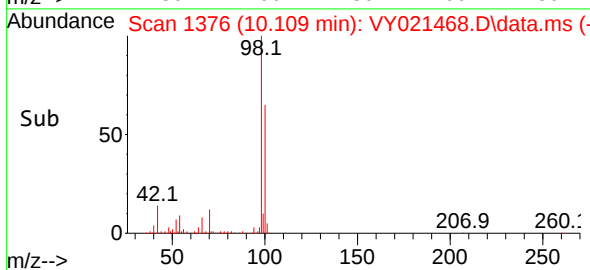
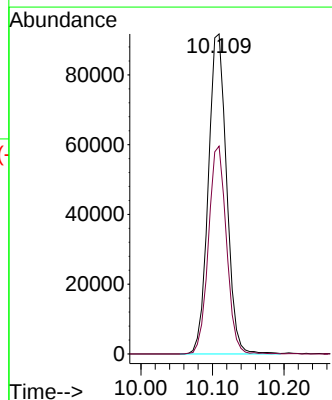
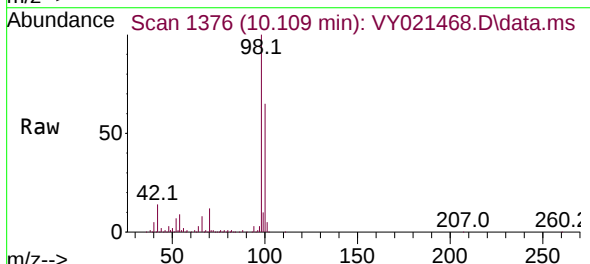
Instrument :
MSVOA_Y
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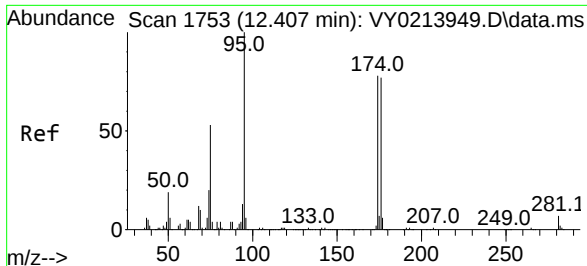
Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 0.0 25.0 37.4#
58 261.1 58.4 87.6#



#50
Toluene-d8
Concen: 46.972 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

Tgt Ion: 98 Resp: 162668
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1

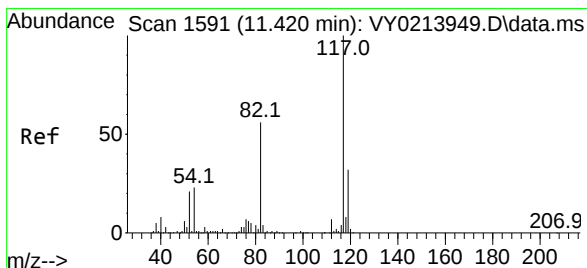
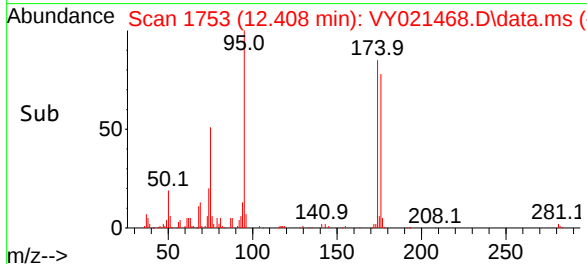
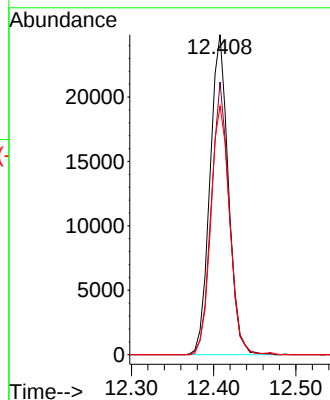
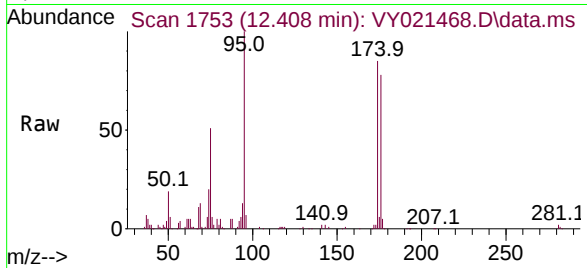




#62
4-Bromofluorobenzene
Concen: 32.755 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

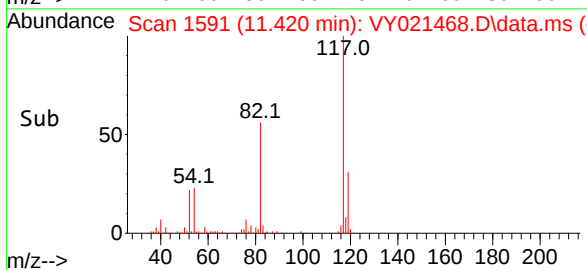
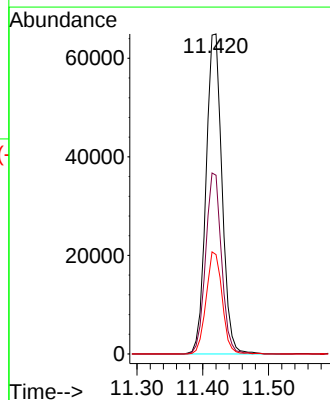
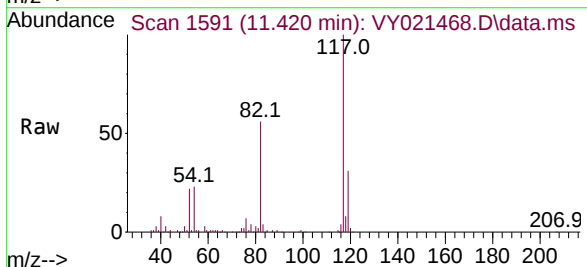
Instrument :
MSVOA_Y
ClientSampleId :
SOIL

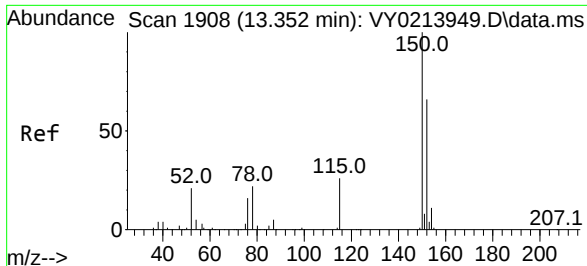
Tgt Ion: 95 Resp: 38585
Ion Ratio Lower Upper
95 100
174 83.2 0.0 165.0
176 79.7 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

Tgt Ion: 117 Resp: 109661
Ion Ratio Lower Upper
117 100
82 55.9 44.6 67.0
119 31.1 25.4 38.0

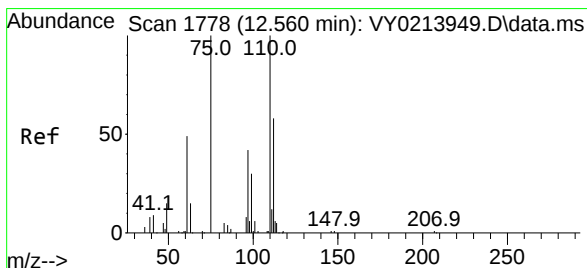
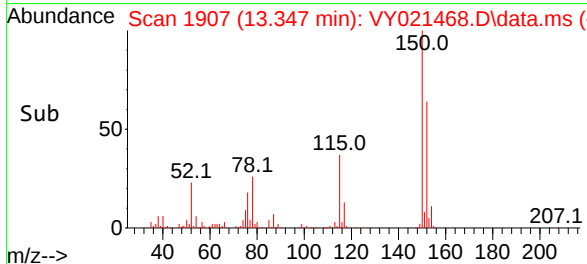
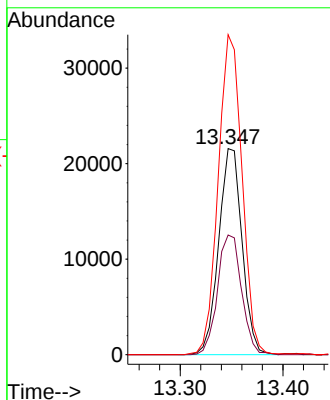
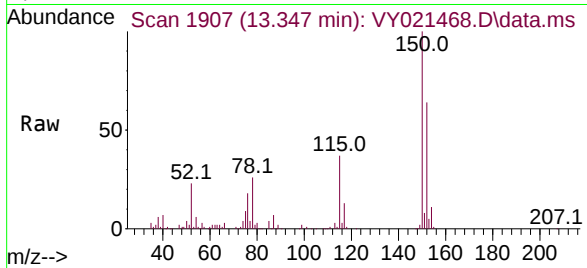




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021468.D
 Acq: 07 Mar 2025 17:59

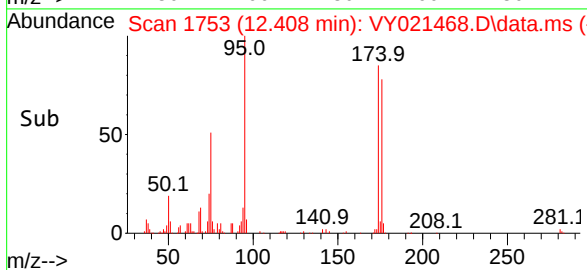
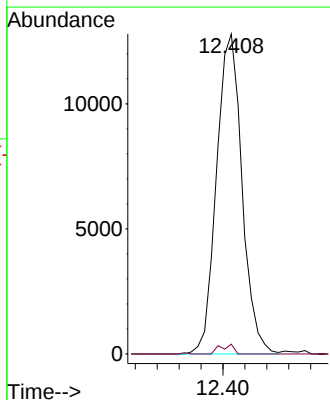
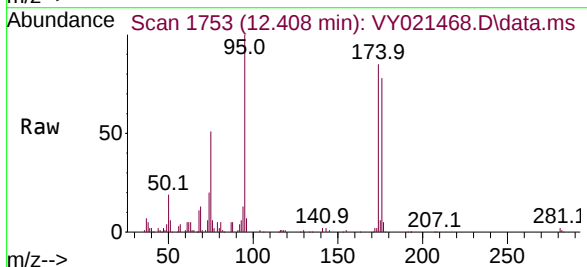
Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL

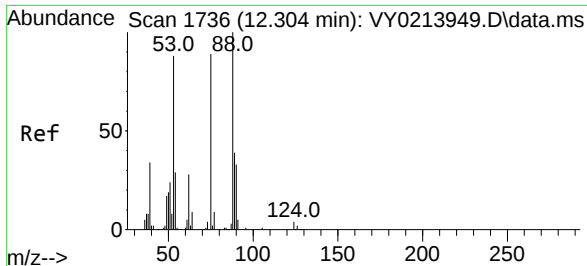
Tgt Ion:152 Resp: 34104
 Ion Ratio Lower Upper
 152 100
 115 59.5 29.0 87.0
 150 158.3 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 60.094 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021468.D
 Acq: 07 Mar 2025 17:59

Tgt Ion: 75 Resp: 20652
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

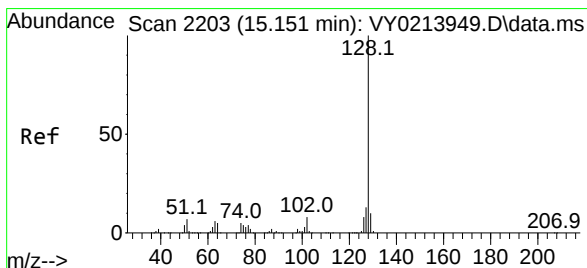
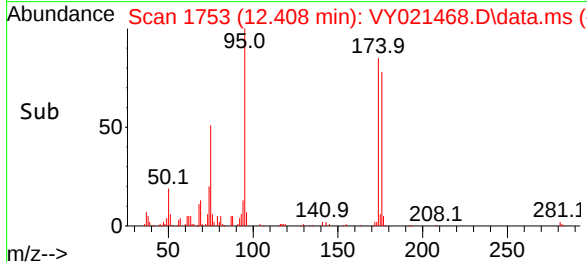
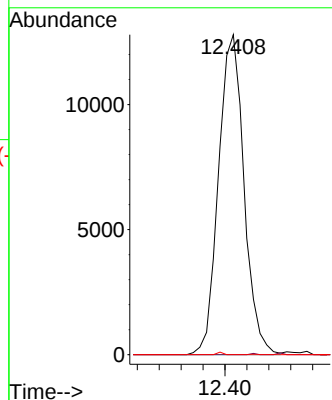
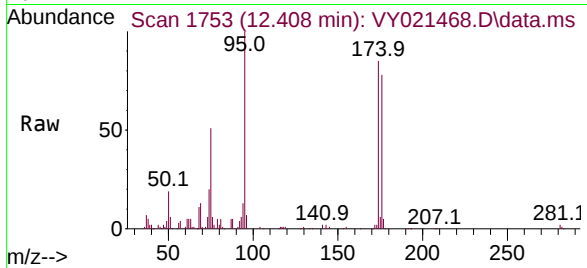




#81
trans-1,4-Dichloro-2-butene
Concen: 136.613 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

Instrument :
MSVOA_Y
ClientSampleId :
SOIL

Tgt Ion: 75 Resp: 20652
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.2 36.9 55.3#



#95
Naphthalene
Concen: 1.624 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021468.D
Acq: 07 Mar 2025 17:59

Tgt Ion: 128 Resp: 162
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

