

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
 Data File : VY014937.D
 Acq On : 02 Aug 2023 17:40
 Operator : SY/MD
 Sample : 03849-01
 Misc : 4.88g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GROVE-SOIL-0731

Quant Time: Aug 03 02:45:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

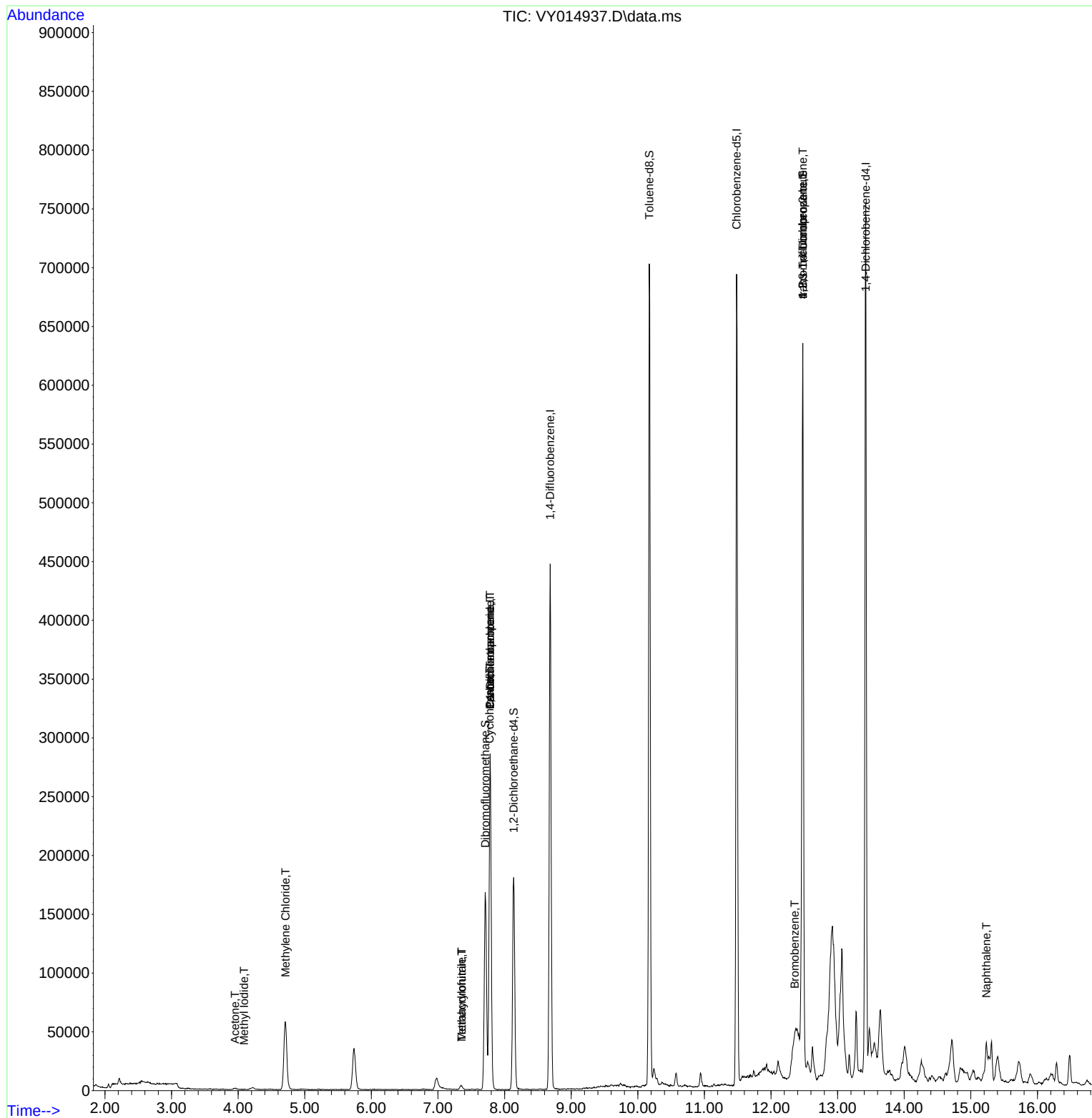
Internal Standards						
1) Pentafluorobenzene	7.783	168	216685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	378137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	367647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	181875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	144050	58.338	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.680%			
35) Dibromofluoromethane	7.710	113	118381	49.179	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.360%			
50) Toluene-d8	10.172	98	456775	51.470	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.940%			
62) 4-Bromofluorobenzene	12.477	95	176594	51.896	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.800%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	227	2.459	ug/l #	65
11) Tert butyl alcohol	4.948	59	907	Below Cal	#	89
16) Acetone	3.954	43	1508	1.927	ug/l #	85
20) Methylene Chloride	4.710	84	44606	14.555	ug/l	87
29) Tetrahydrofuran	7.356	42	2713	3.849	ug/l #	87
31) Cyclohexane	7.777	56	4548	1.110	ug/l #	30
36) 1,1-Dichloropropene	7.783	75	17260	4.795	ug/l #	50
38) Carbon Tetrachloride	7.783	117	21596	5.675	ug/l #	16
41) Methacrylonitrile	7.356	41	1667	1.308	ug/l #	43
76) 1,2,3-Trichloropropane	12.477	75	93186	40.568	ug/l #	100
77) Bromobenzene	12.355	156	8134	2.502	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	93186	78.547	ug/l #	11
95) Naphthalene	15.233	128	22493	2.624	ug/l	96

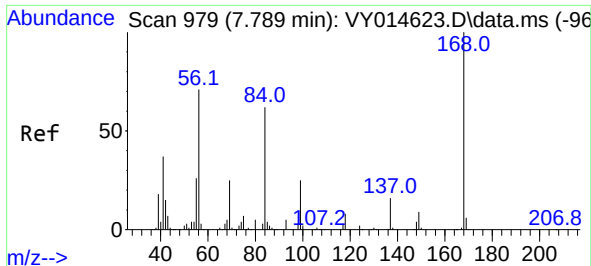
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
Data File : VY014937.D
Acq On : 02 Aug 2023 17:40
Operator : SY/MD
Sample : 03849-01
Misc : 4.88g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GROVE-SOIL-0731

Quant Time: Aug 03 02:45:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
Response via : Initial Calibration

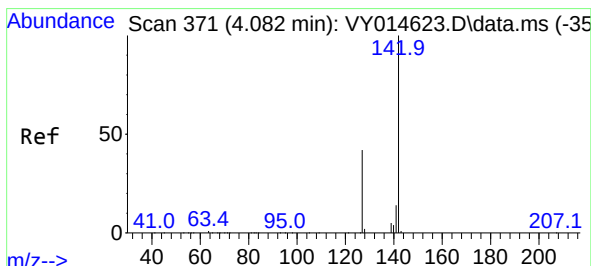
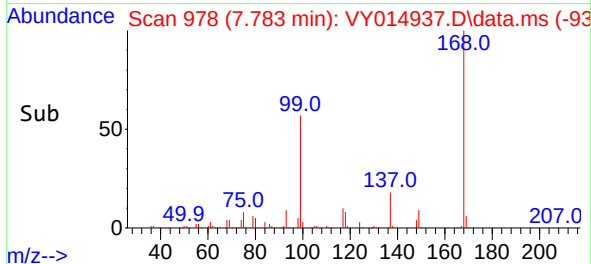
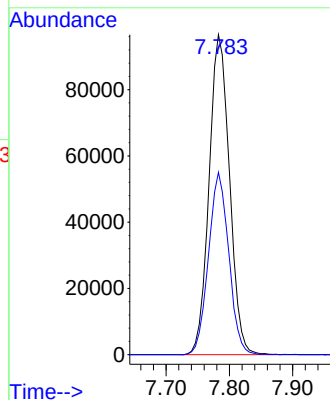
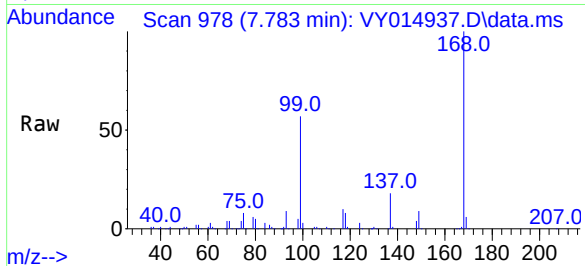




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

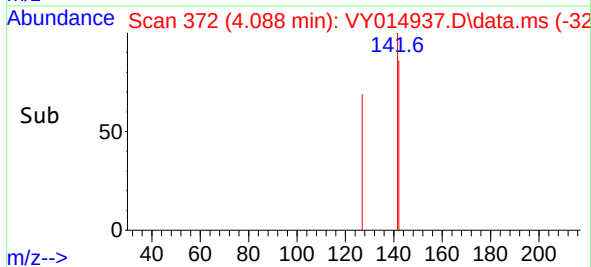
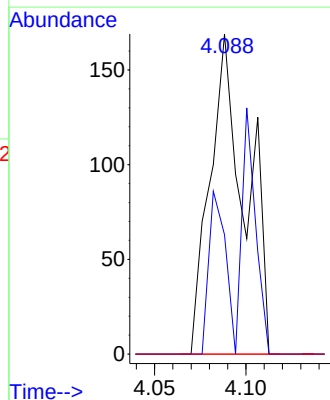
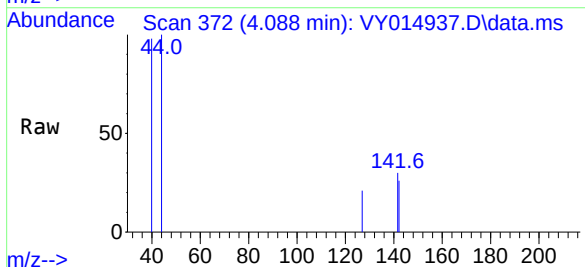
Instrument :
MSVOA_Y
ClientSampleId :
GROVE-SOIL-0731

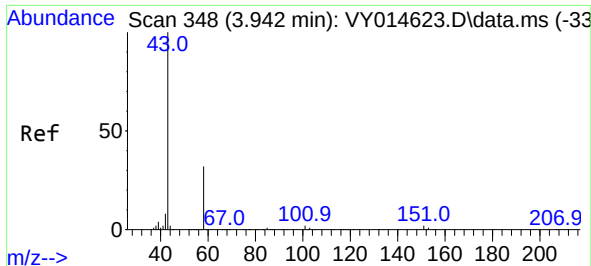
Tgt Ion:168 Resp: 216685
Ion Ratio Lower Upper
168 100
99 57.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.459 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

Tgt Ion:142 Resp: 227
Ion Ratio Lower Upper
142 100
127 23.8 37.6 56.4#
141 0.0 11.8 17.8#

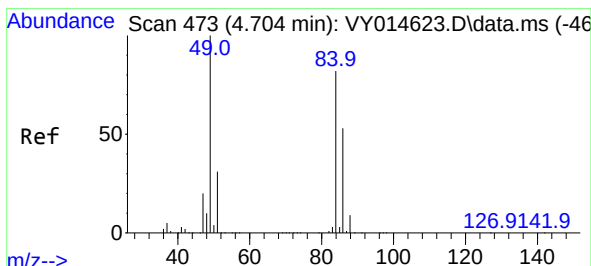
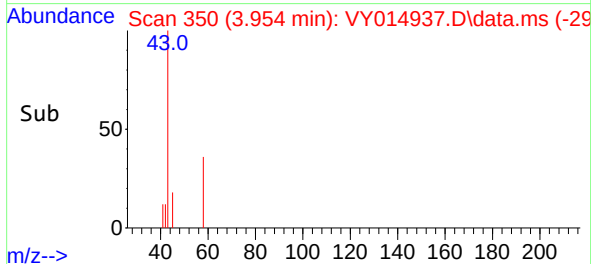
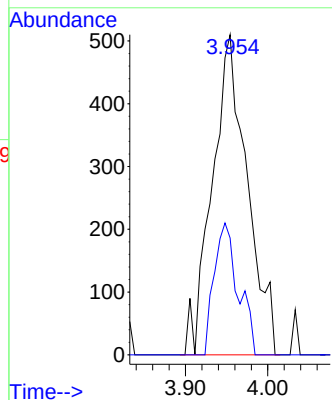
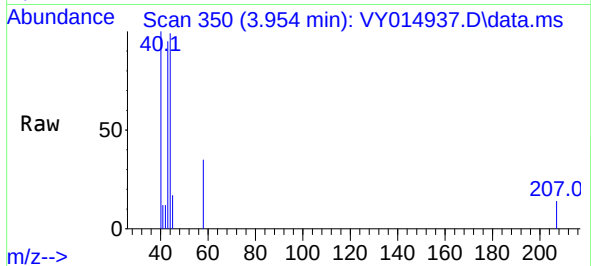




#16
Acetone
Concen: 1.927 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

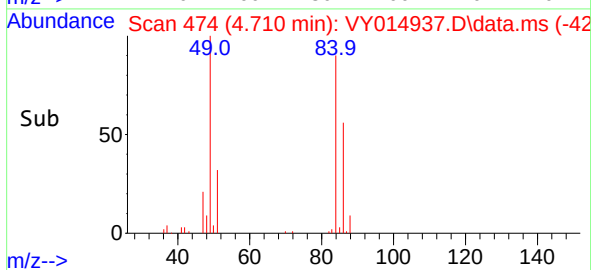
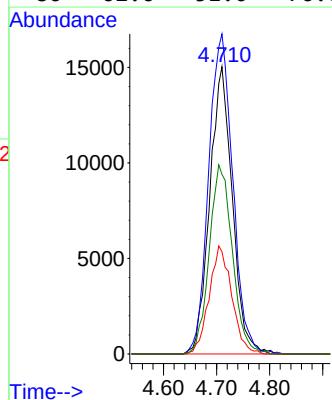
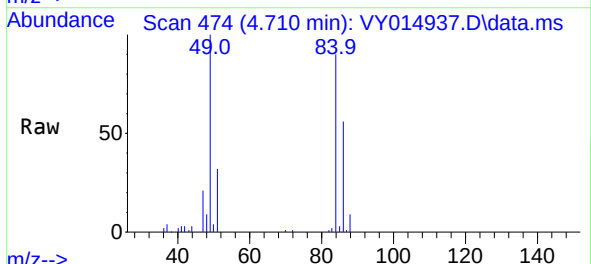
Instrument :
MSVOA_Y
ClientSampleId :
GROVE-SOIL-0731

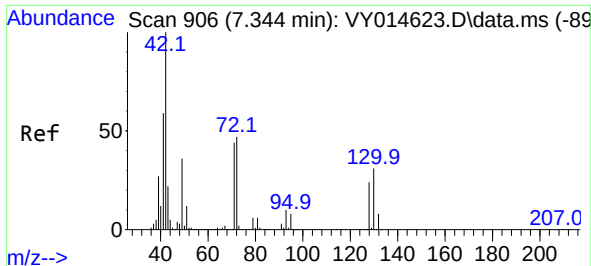
Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
58 36.5 22.7 34.1#



#20
Methylene Chloride
Concen: 14.555 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

Tgt Ion: 84 Resp: 44606
Ion Ratio Lower Upper
84 100
49 111.4 106.9 160.3
51 35.6 33.2 49.8
86 62.6 51.0 76.6





#29

Tetrahydrofuran

Concen: 3.849 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY014937.D

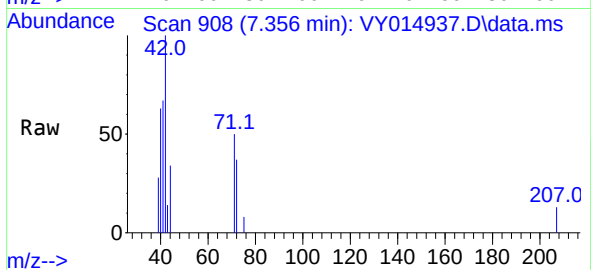
Acq: 02 Aug 2023 17:40

Instrument :

MSVOA_Y

ClientSampleId :

GROVE-SOIL-0731



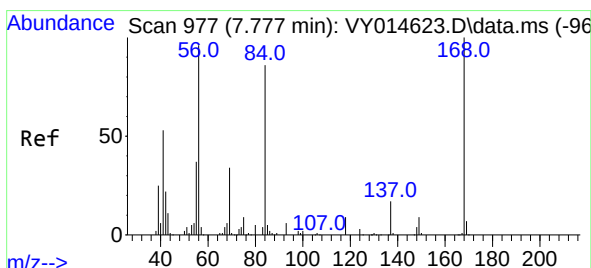
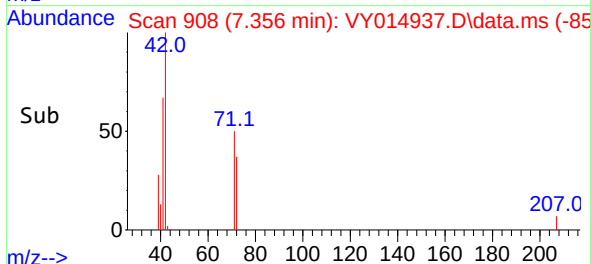
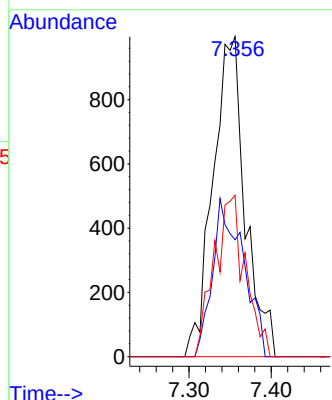
Tgt Ion: 42 Resp: 2713

Ion Ratio Lower Upper

42 100

72 47.1 32.8 49.2

71 48.5 31.0 46.4#



#31

Cyclohexane

Concen: 1.110 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY014937.D

Acq: 02 Aug 2023 17:40

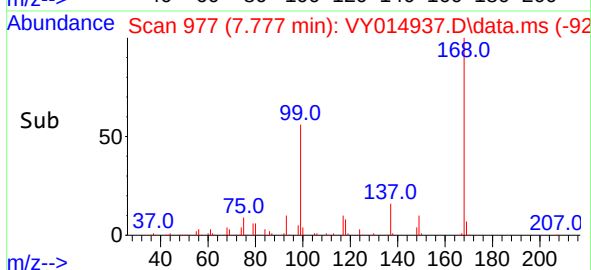
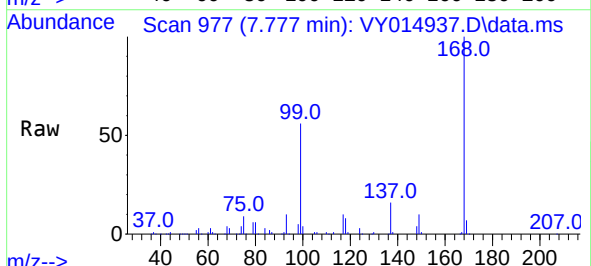
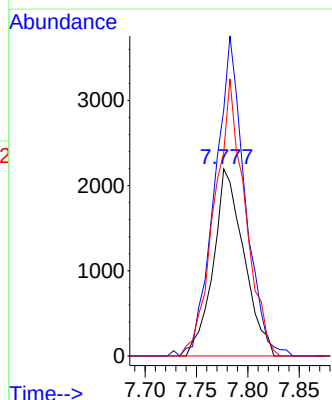
Tgt Ion: 56 Resp: 4548

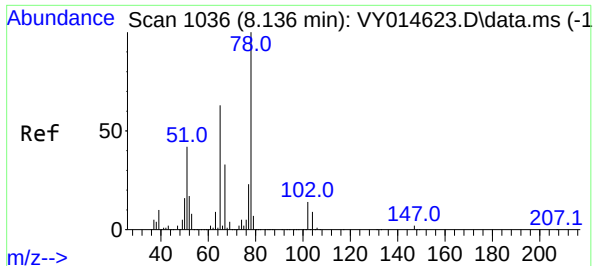
Ion Ratio Lower Upper

56 100

69 131.6 27.8 41.6#

84 108.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.338 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014937.D

Acq: 02 Aug 2023 17:40

Instrument :

MSVOA_Y

ClientSampleId :

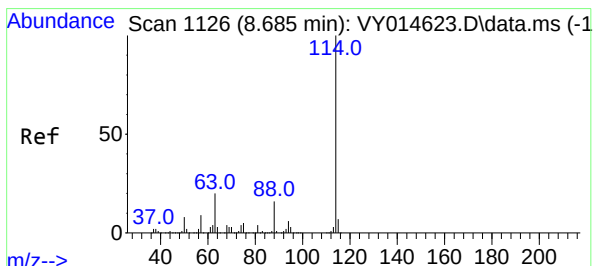
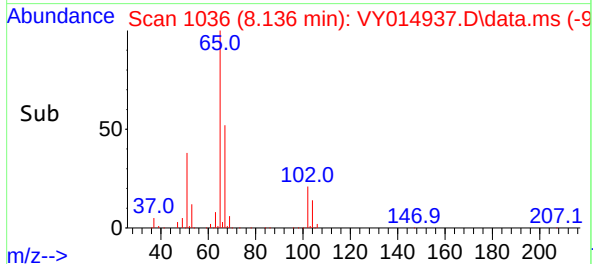
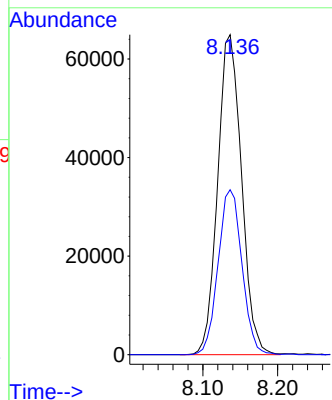
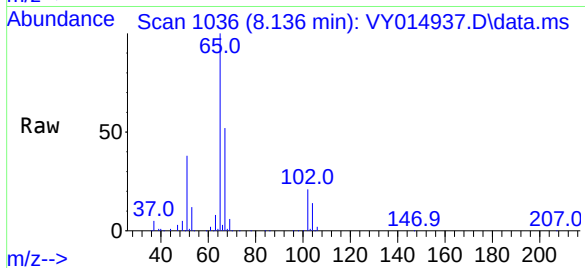
GROVE-SOIL-0731

Tgt Ion: 65 Resp: 144050

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY014937.D

Acq: 02 Aug 2023 17:40

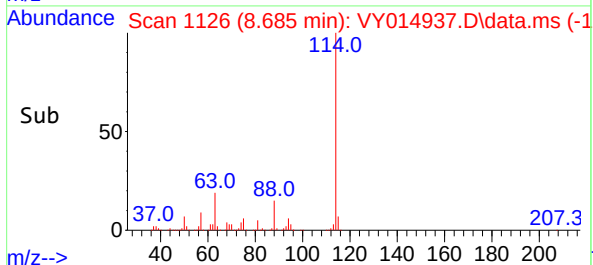
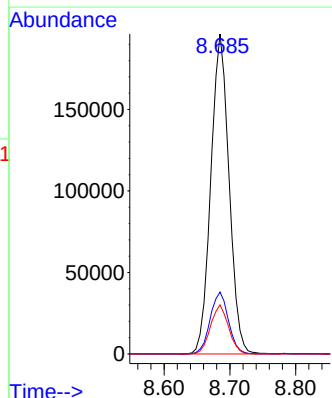
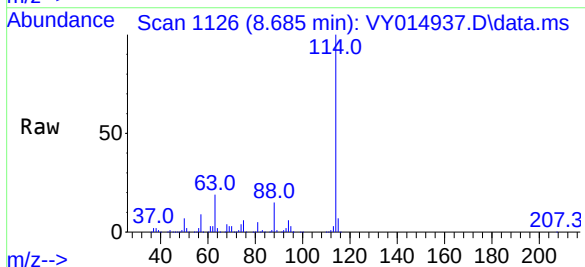
Tgt Ion: 114 Resp: 378137

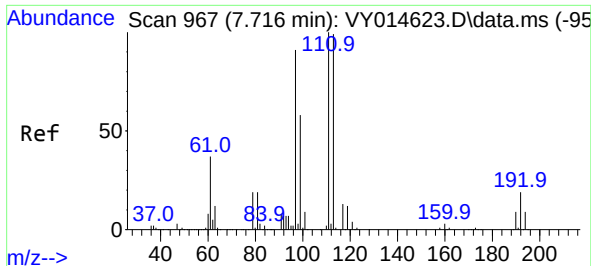
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.3 0.0 30.6

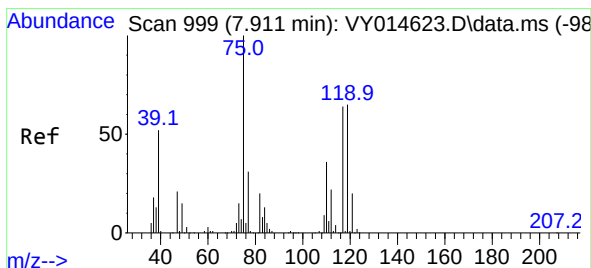
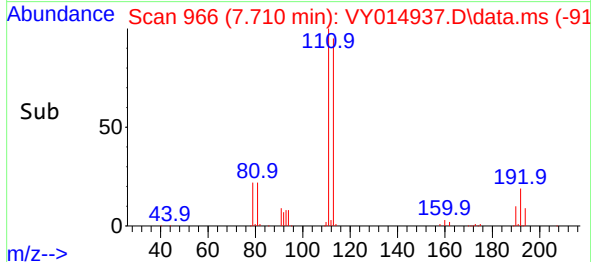
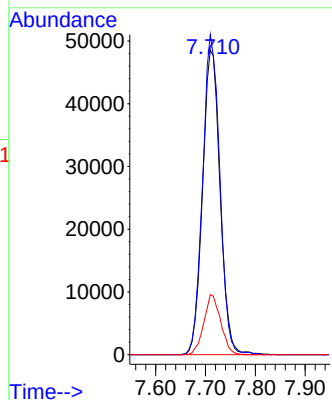
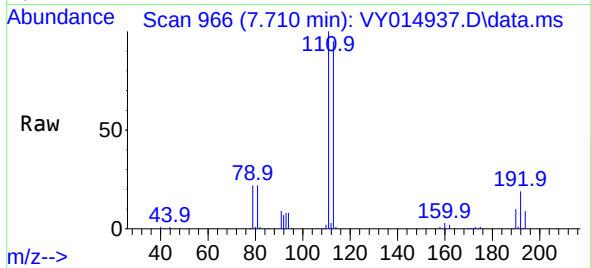




#35
Dibromofluoromethane
Concen: 49.179 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

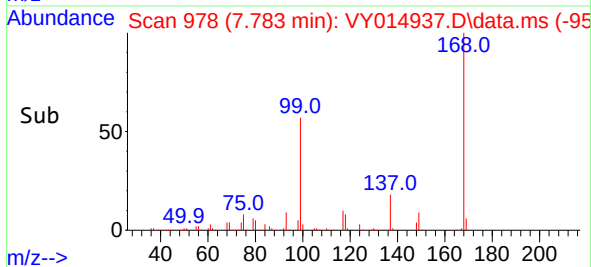
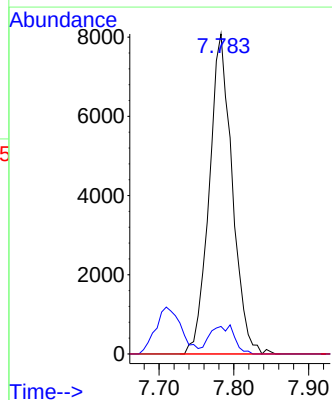
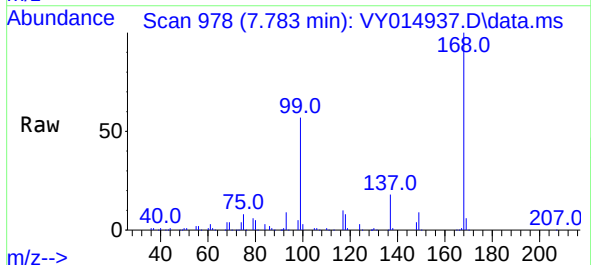
Instrument :
MSVOA_Y
ClientSampleId :
GROVE-SOIL-0731

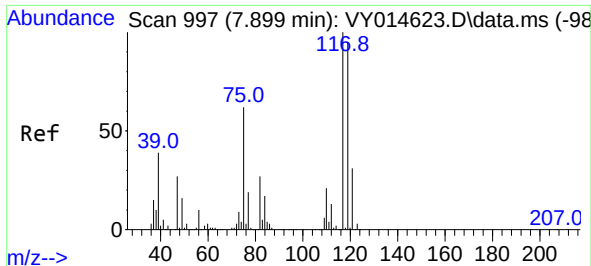
Tgt Ion:113 Resp: 118381
Ion Ratio Lower Upper
113 100
111 103.4 81.3 121.9
192 19.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.795 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

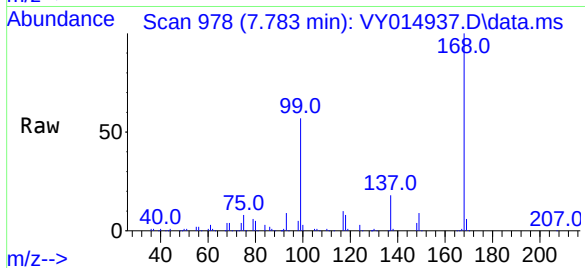
Tgt Ion: 75 Resp: 17260
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#



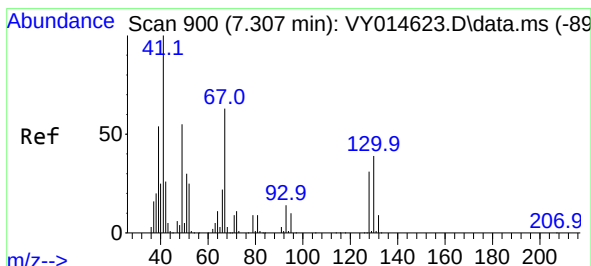
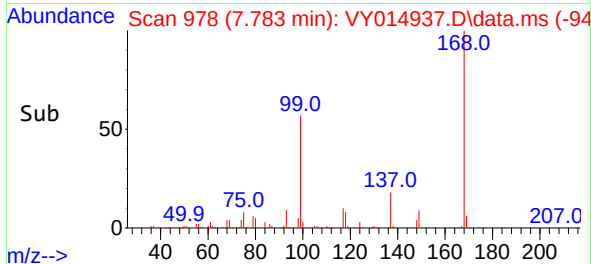
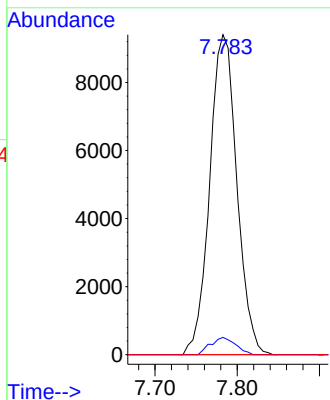


#38
Carbon Tetrachloride
Concen: 5.675 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

Instrument :
MSVOA_Y
ClientSampleId :
GROVE-SOIL-0731

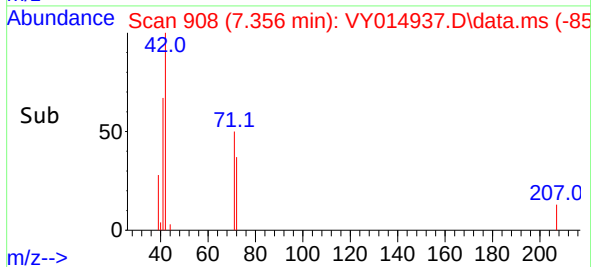
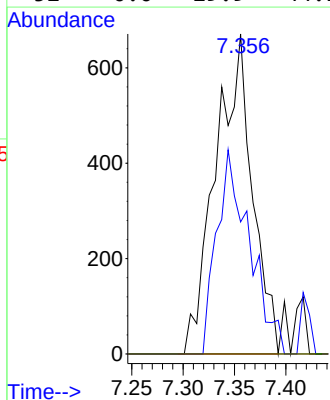
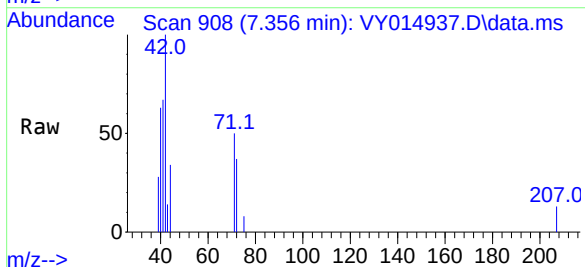


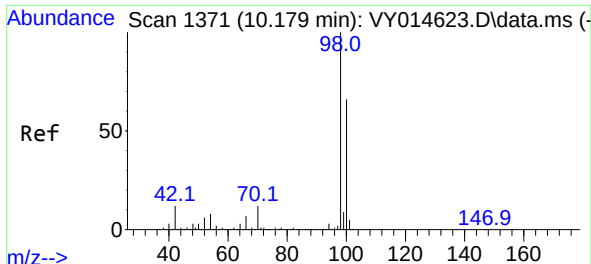
Tgt Ion:117 Resp: 21596
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.308 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.049 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

Tgt Ion: 41 Resp: 1667
Ion Ratio Lower Upper
41 100
39 57.2 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

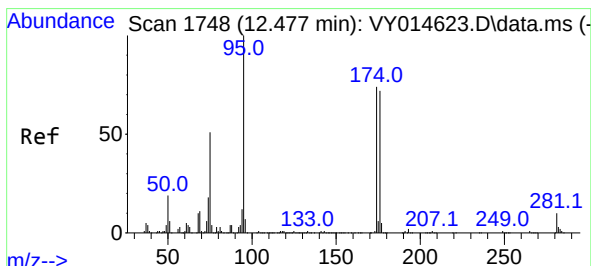
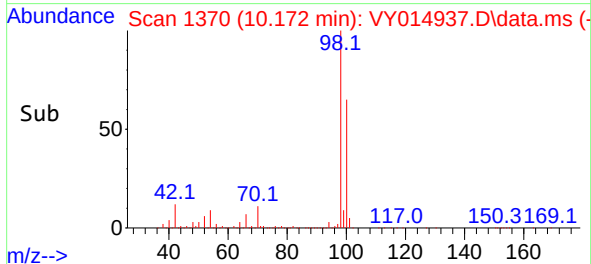
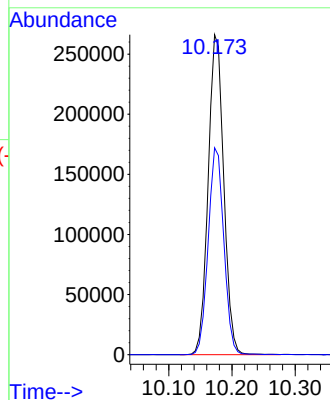
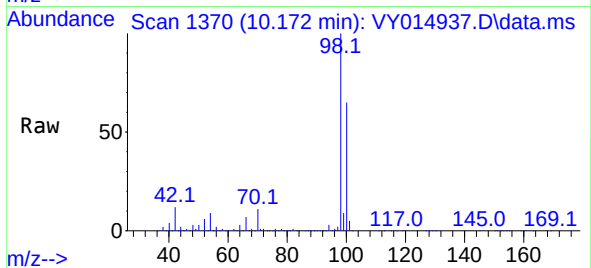




#50
Toluene-d8
Concen: 51.470 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

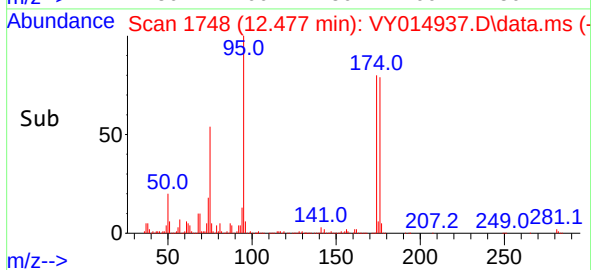
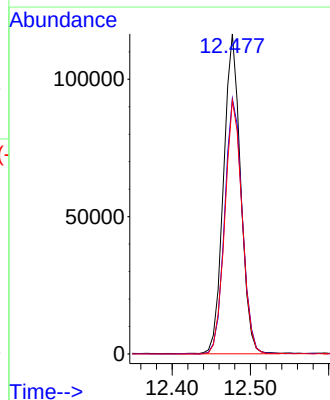
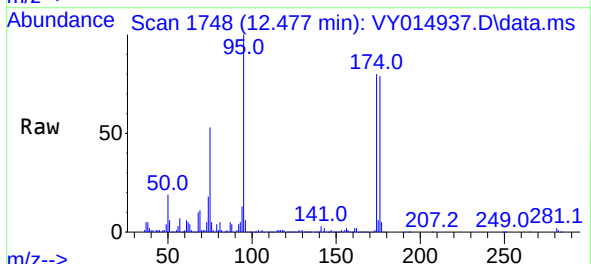
Instrument :
MSVOA_Y
ClientSampleId :
GROVE-SOIL-0731

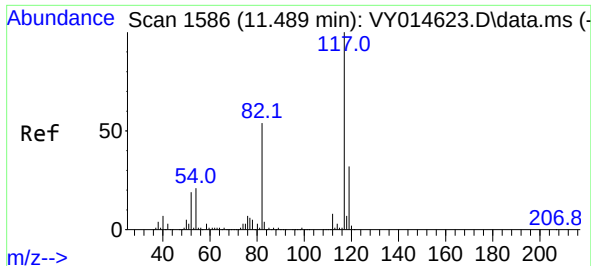
Tgt Ion: 98 Resp: 456775
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.896 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

Tgt Ion: 95 Resp: 176594
Ion Ratio Lower Upper
95 100
174 82.0 0.0 178.2
176 79.9 0.0 173.8

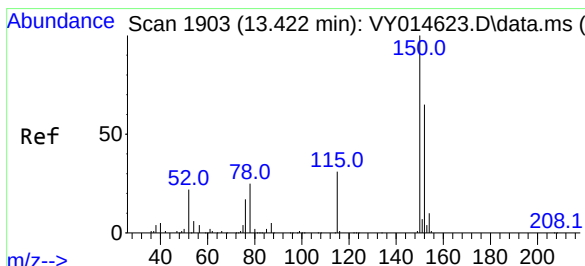
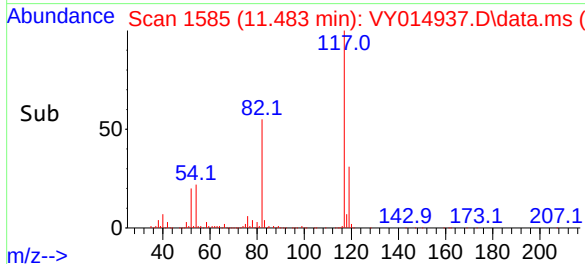
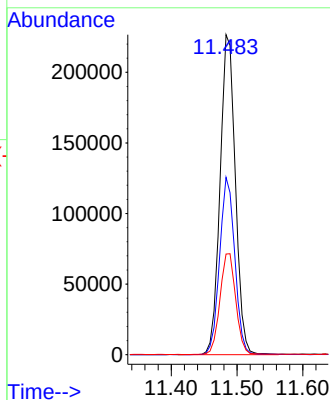
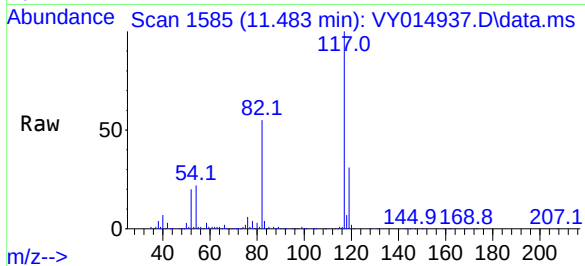




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

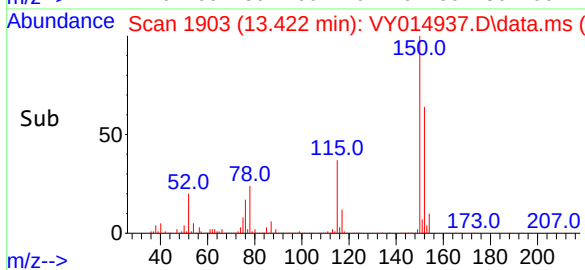
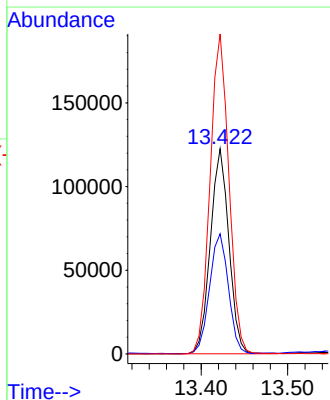
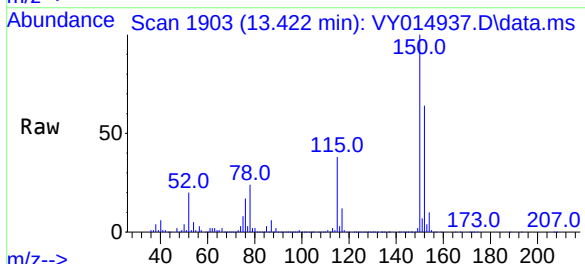
Instrument :
MSVOA_Y
ClientSampleId :
GROVE-SOIL-0731

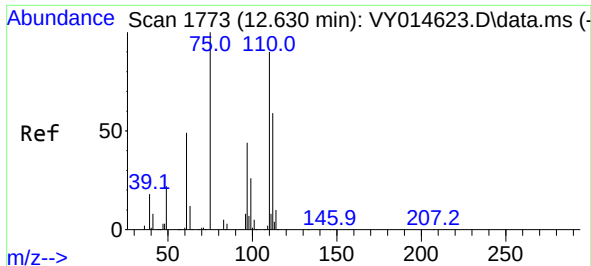
Tgt Ion:117 Resp: 367647
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.0
119 31.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

Tgt Ion:152 Resp: 181875
Ion Ratio Lower Upper
152 100
115 59.5 28.8 86.5
150 158.3 0.0 348.8

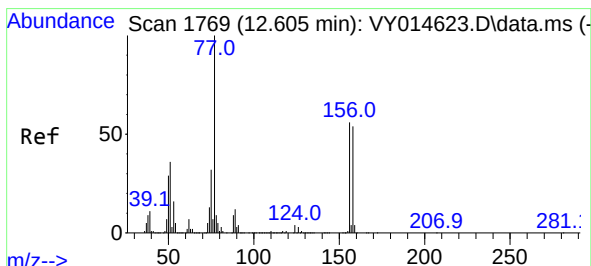
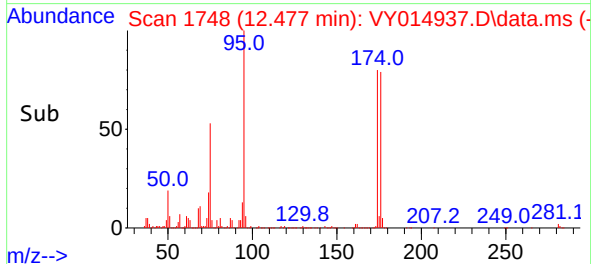
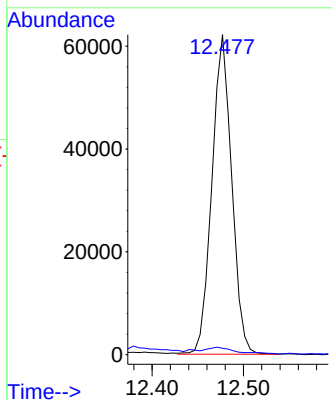
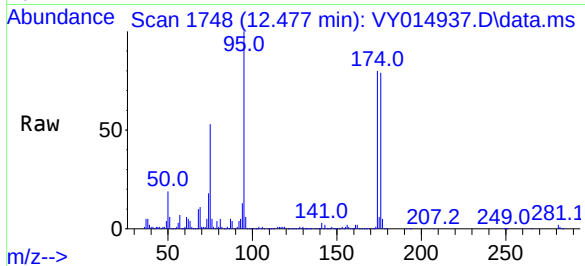




#76
1,2,3-Trichloropropane
Concen: 40.568 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

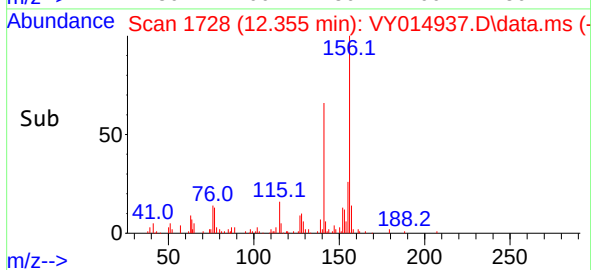
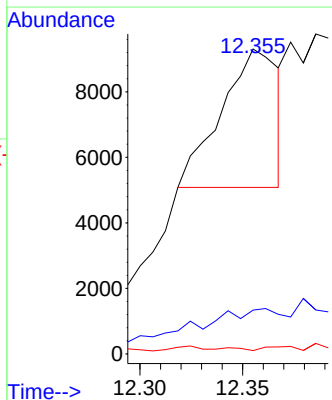
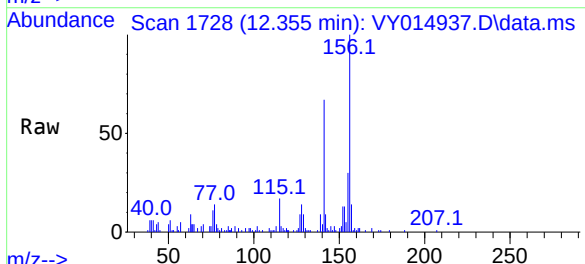
Instrument :
MSVOA_Y
ClientSampleId :
GROVE-SOIL-0731

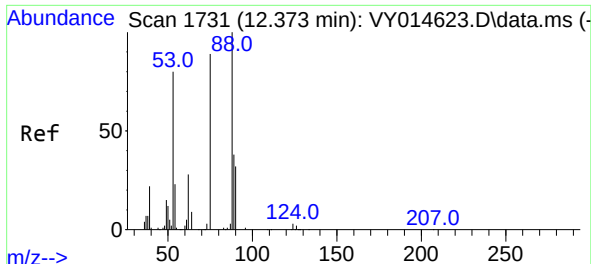
Tgt Ion: 75 Resp: 93186
Ion Ratio Lower Upper
75 100
77 3.8 0.0 0.0#



#77
Bromobenzene
Concen: 2.502 ug/l
RT: 12.355 min Scan# 1728
Delta R.T. -0.250 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

Tgt Ion: 156 Resp: 8134
Ion Ratio Lower Upper
156 100
77 19.0 92.8 278.6#
158 0.0 48.4 145.3#

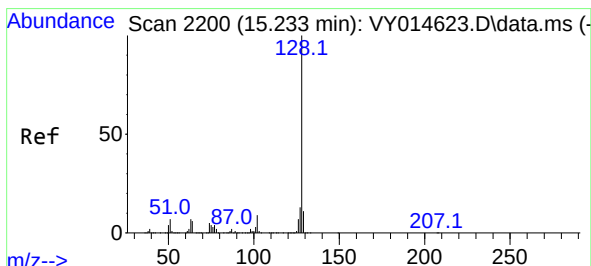
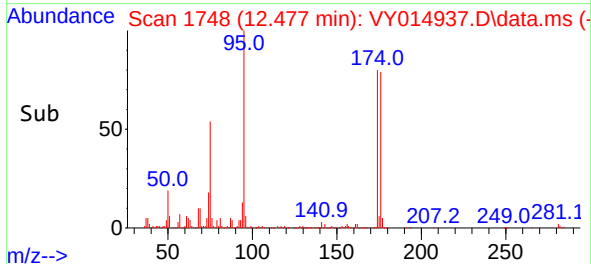
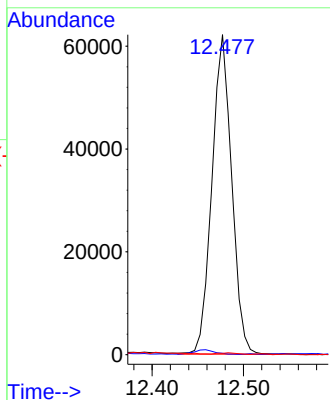
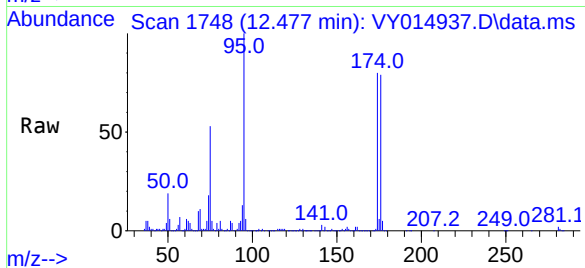




#81
trans-1,4-Dichloro-2-butene
Concen: 78.547 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

Instrument :
MSVOA_Y
ClientSampleId :
GROVE-SOIL-0731

Tgt Ion: 75 Resp: 93186
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.4 37.4 56.0#



#95
Naphthalene
Concen: 2.624 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014937.D
Acq: 02 Aug 2023 17:40

Tgt Ion:128 Resp: 22493
Ion Ratio Lower Upper
128 100
127 15.2 10.8 16.2
129 12.4 8.6 13.0

