

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080223\
 Data File : VX036771.D
 Acq On : 02 Aug 2023 15:29
 Operator : JC/MD
 Sample : 03849-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GROVE-SOIL-0731

Quant Time: Aug 03 07:29:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

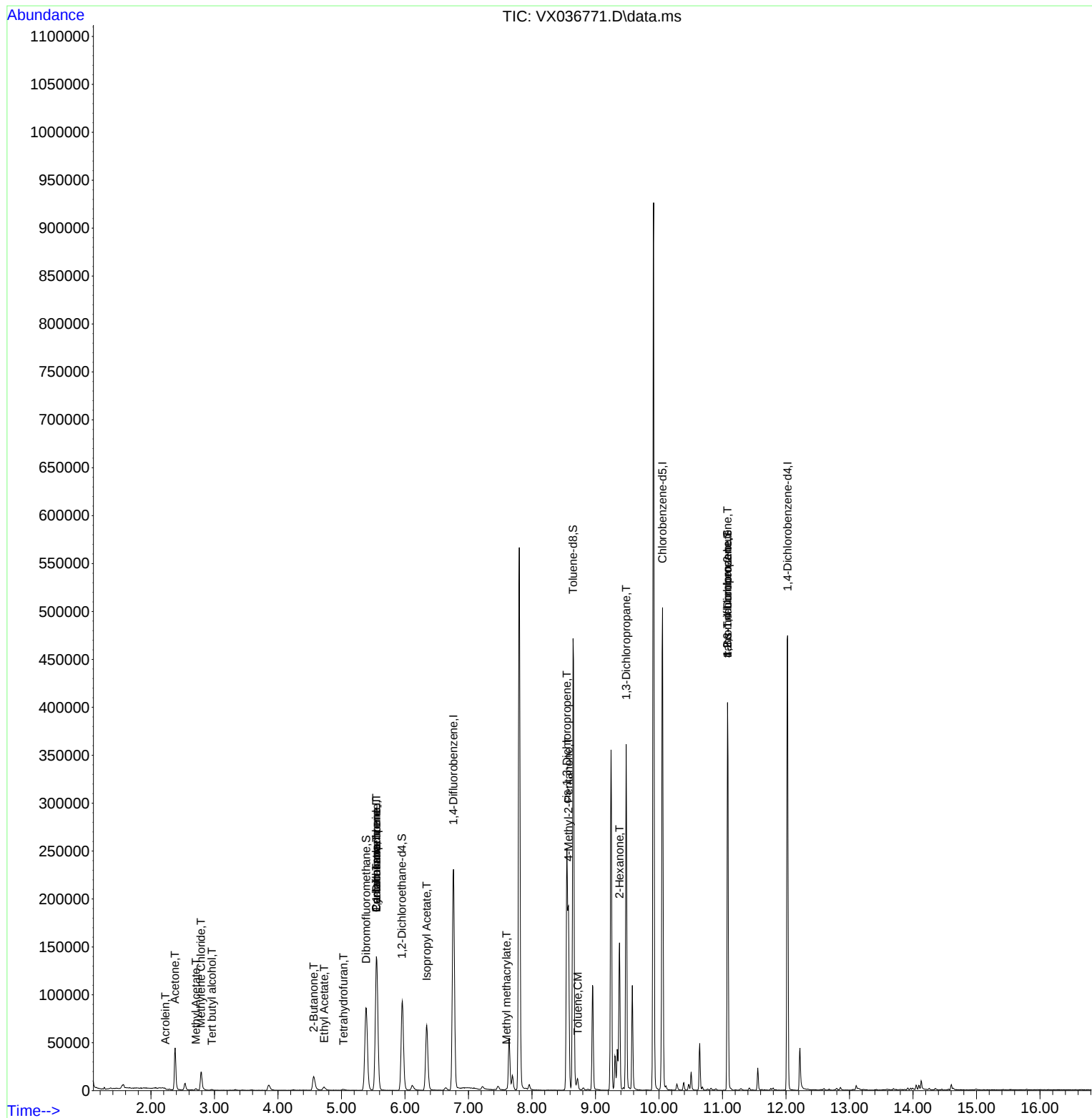
Internal Standards						
1) Pentafluorobenzene	5.550	168	130200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90550	47.002	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.000%
35) Dibromofluoromethane	5.385	113	76889	47.211	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.420%
50) Toluene-d8	8.647	98	284985	49.344	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.680%
62) 4-Bromofluorobenzene	11.079	95	106342	48.804	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	845	1.853	ug/l #	78
13) Acrolein	2.227	56	143	0.549	ug/l #	67
16) Acetone	2.380	43	46814	58.560	ug/l	93
18) Methyl Acetate	2.709	43	2125	0.632	ug/l	93
20) Methylene Chloride	2.788	84	10193	5.733	ug/l #	87
25) 2-Butanone	4.562	43	26439	20.384	ug/l	93
29) Tetrahydrofuran	5.032	42	811	0.970	ug/l #	49
31) Cyclohexane	5.550	56	2978	1.116	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10834	4.463	ug/l #	50
37) Ethyl Acetate	4.727	43	5963	2.170	ug/l	99
38) Carbon Tetrachloride	5.550	117	13617	5.276	ug/l #	15
43) Isopropyl Acetate	6.342	43	94495	19.980	ug/l	96
48) Methyl methacrylate	7.598	41	1680	0.764	ug/l #	16
51) 4-Methyl-2-Pentanone	8.574	43	179504	68.585	ug/l #	79
52) Toluene	8.720	92	2311	0.522	ug/l	99
54) cis-1,3-Dichloropropene	8.549	75	40365	12.494	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	3148	1.016	ug/l #	42
59) 2-Hexanone	9.378	43	108923	56.076	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	56159	23.681	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56159	53.675	ug/l #	5

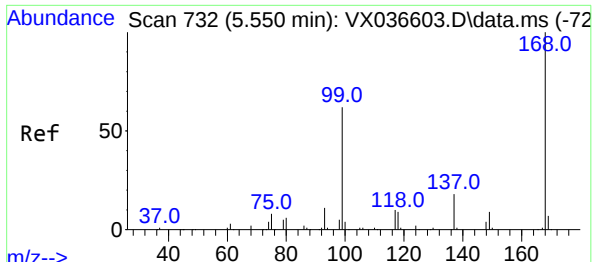
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
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GROVE-SOIL-0731

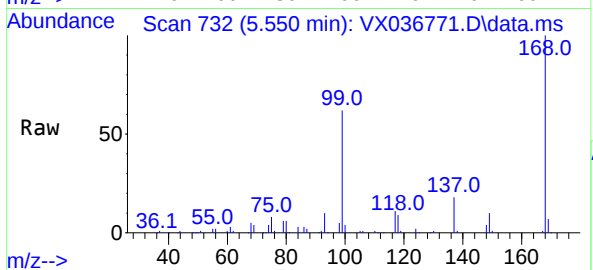
Quant Time: Aug 03 07:29:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



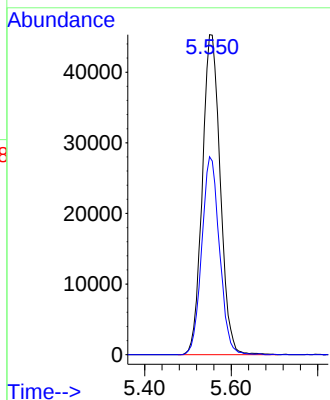
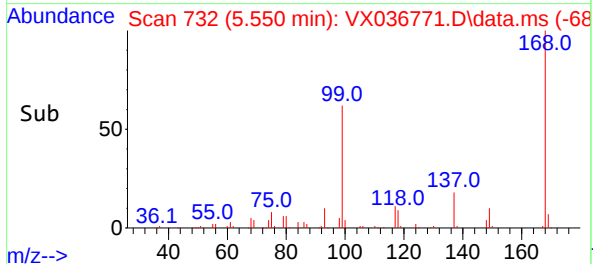


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

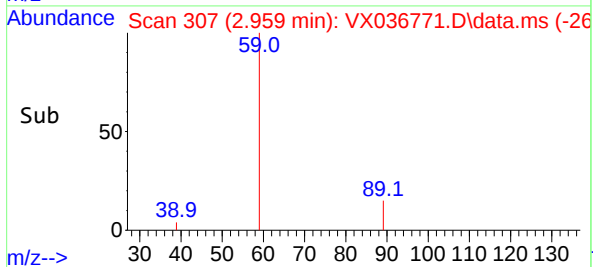
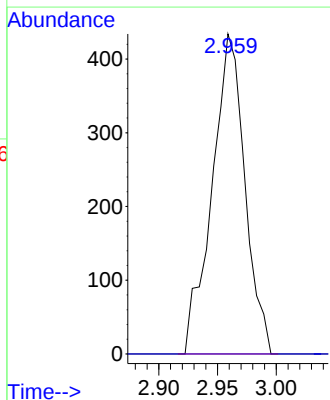
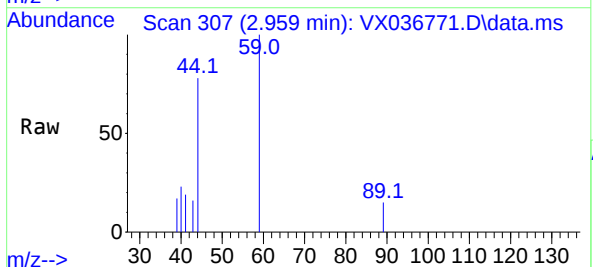


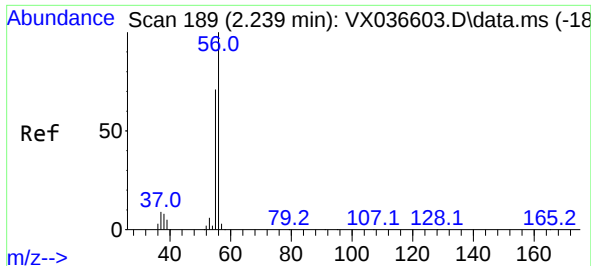
Tgt Ion:168 Resp: 130200
Ion Ratio Lower Upper
168 100
99 61.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.853 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion: 59 Resp: 845
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

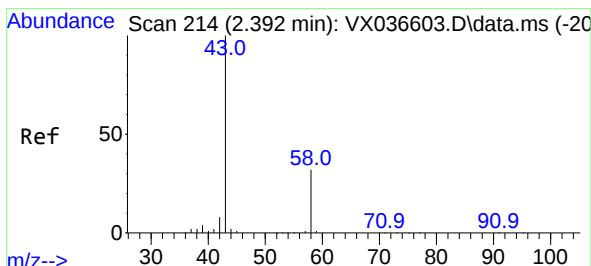
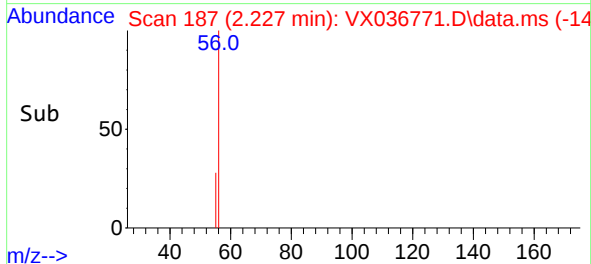
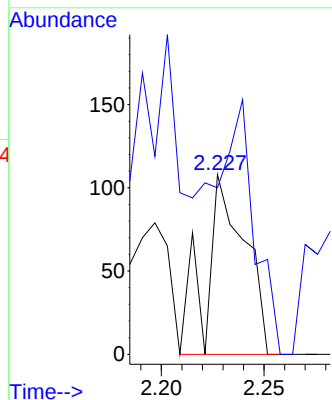
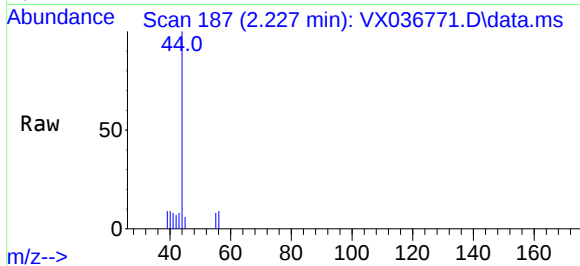




#13
Acrolein
Concen: 0.549 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

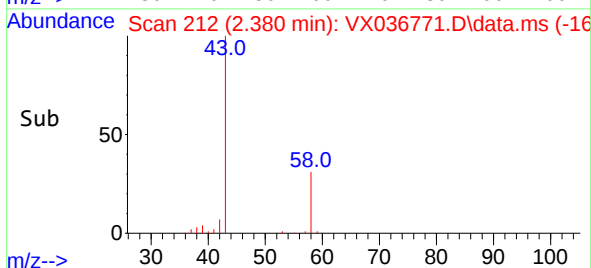
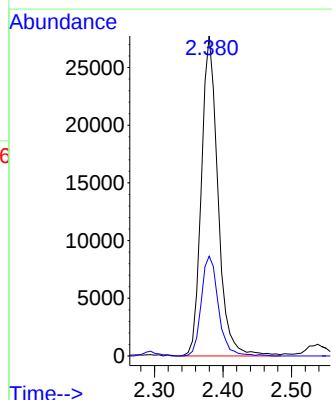
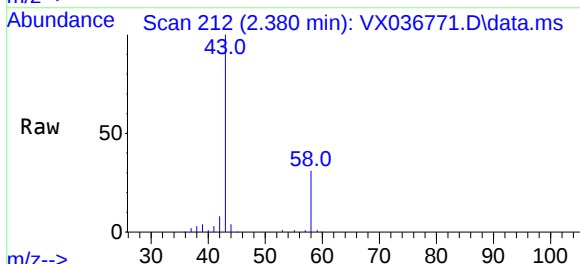
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

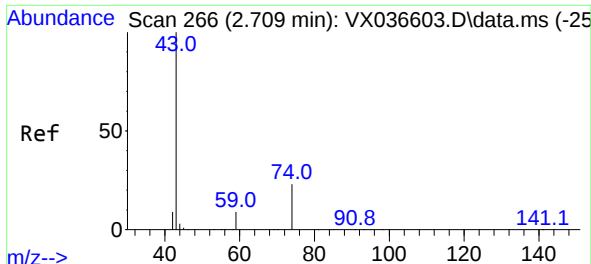
Tgt Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 98.6 57.1 85.7#



#16
Acetone
Concen: 58.560 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion: 43 Resp: 46814
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9

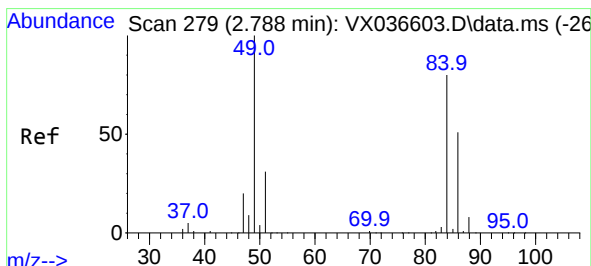
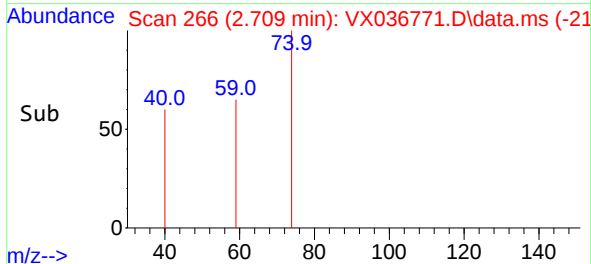
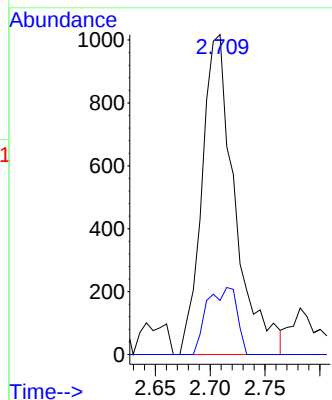
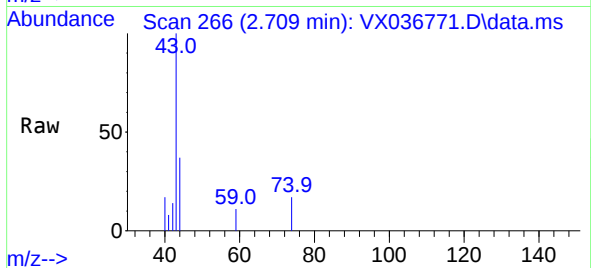




#18
Methyl Acetate
Concen: 0.632 ug/l
RT: 2.709 min Scan# 2125
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

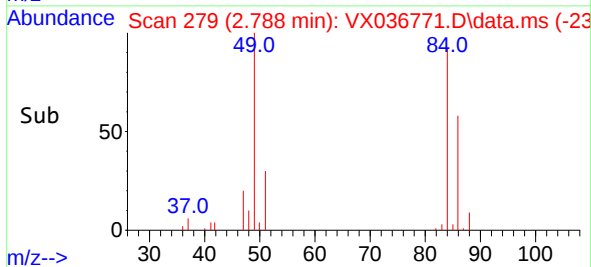
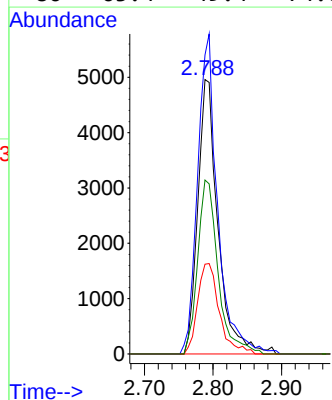
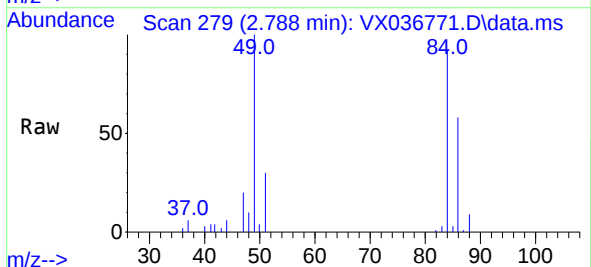
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

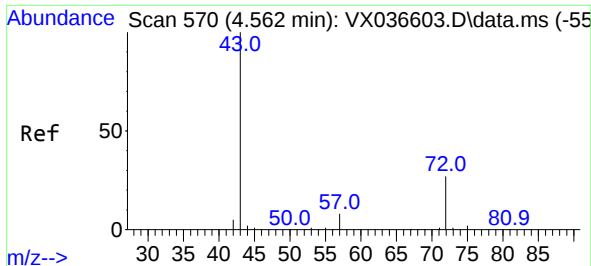
Tgt Ion: 43 Resp: 2125
Ion Ratio Lower Upper
43 100
74 19.0 17.8 26.8



#20
Methylene Chloride
Concen: 5.733 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion: 84 Resp: 10193
Ion Ratio Lower Upper
84 100
49 109.0 103.6 155.4
51 32.7 33.8 50.6#
86 63.4 49.4 74.0

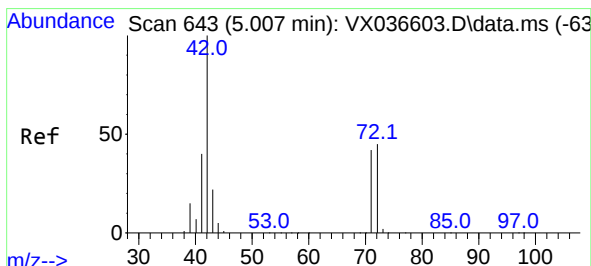
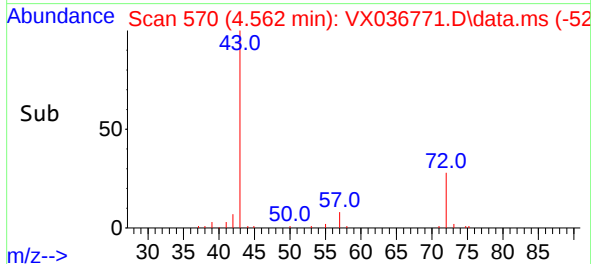
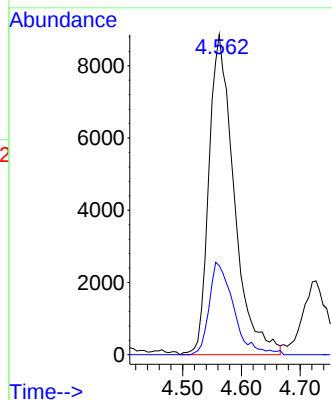
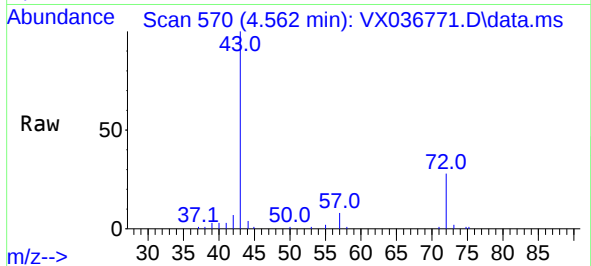




#25
2-Butanone
Concen: 20.384 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

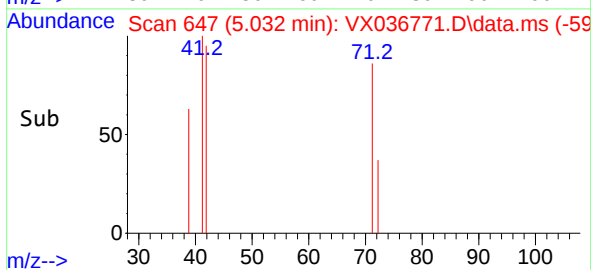
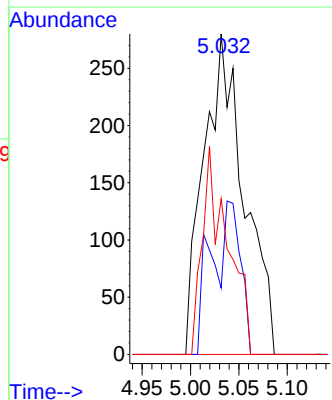
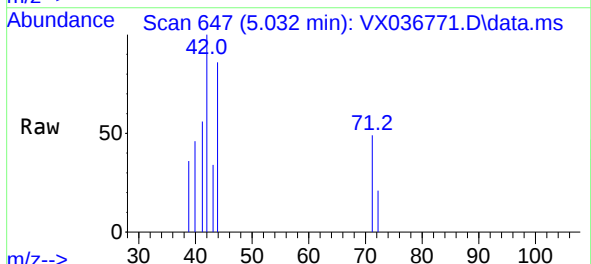
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

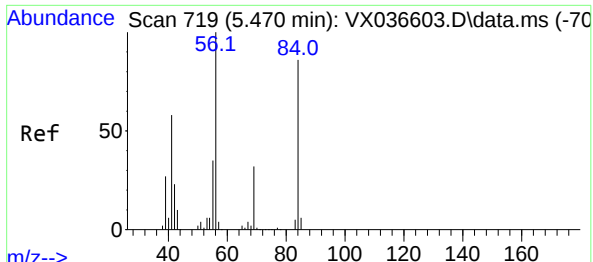
Tgt Ion: 43 Resp: 26439
Ion Ratio Lower Upper
43 100
72 27.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.970 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.025 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

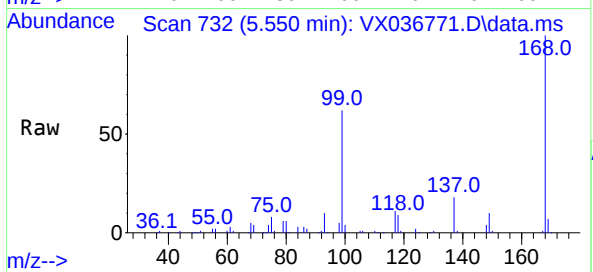
Tgt Ion: 42 Resp: 811
Ion Ratio Lower Upper
42 100
72 19.0 34.2 51.4#
71 0.0 32.2 48.2#



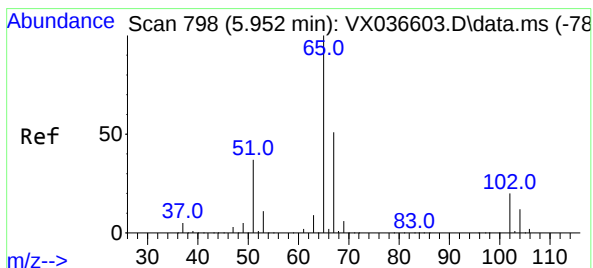
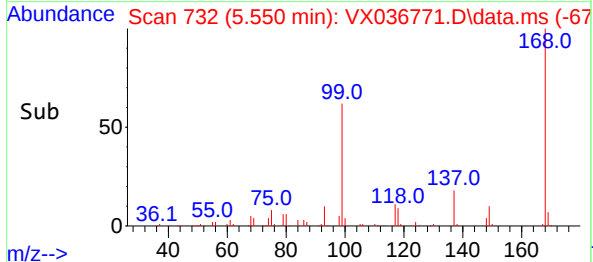
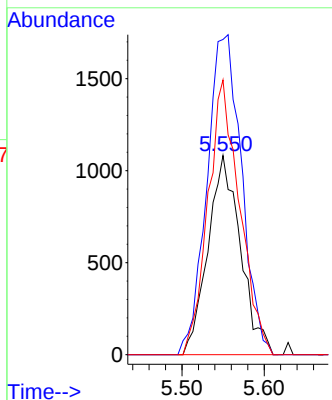


#31
Cyclohexane
Concen: 1.116 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Instrument :
MSVOA_X
ClientSampleId :
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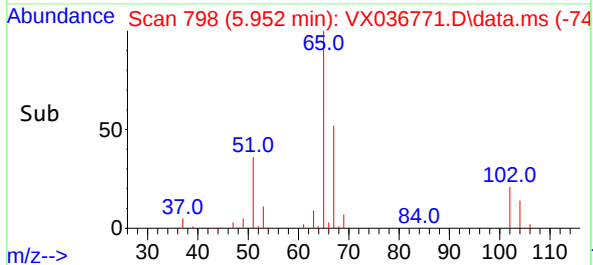
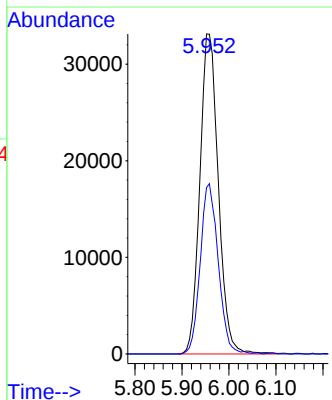
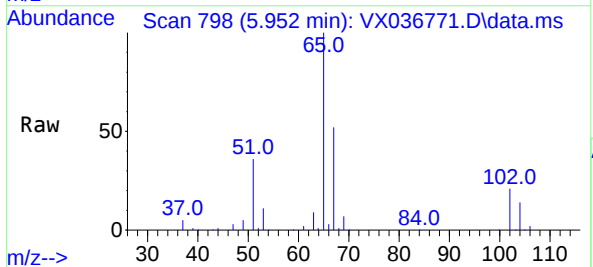


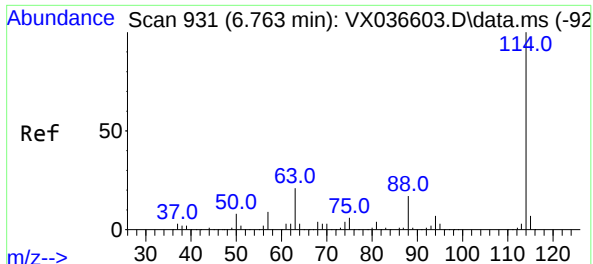
Tgt Ion: 56 Resp: 2978
Ion Ratio Lower Upper
56 100
69 158.2 23.4 35.2#
84 137.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.002 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion: 65 Resp: 90550
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

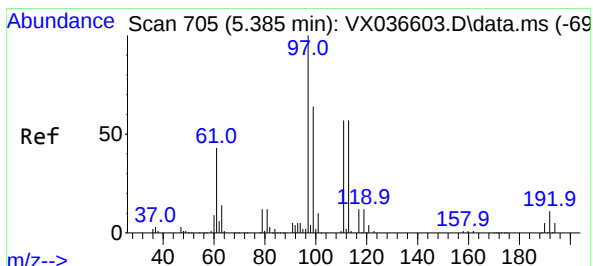
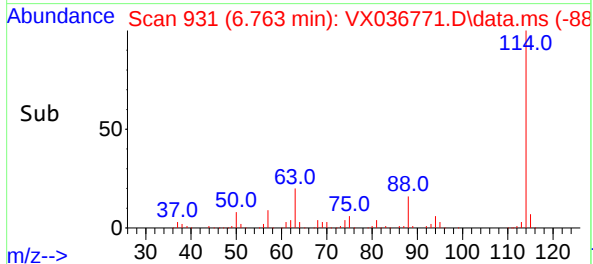
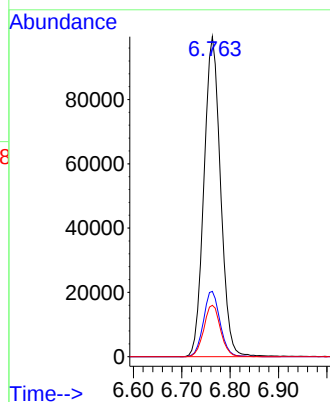
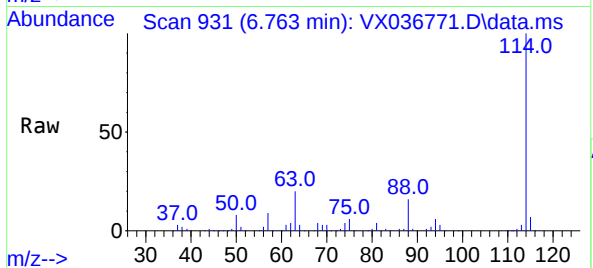




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

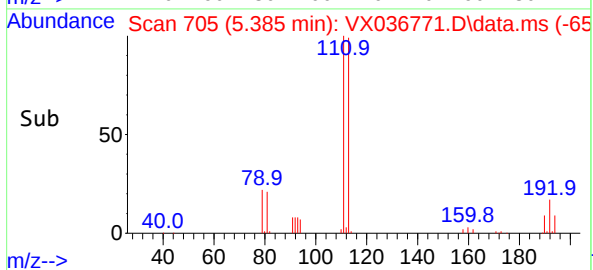
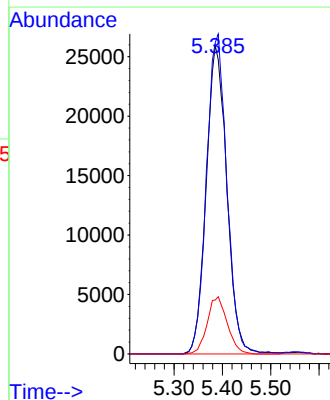
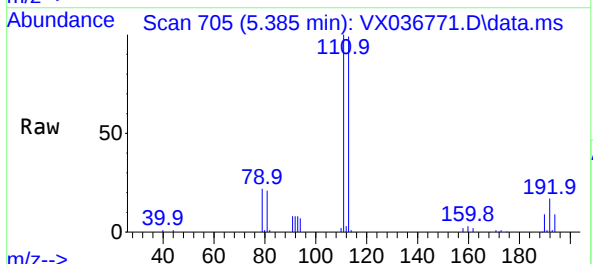
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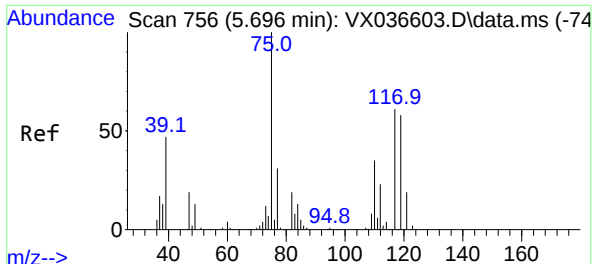
Tgt Ion:114 Resp: 236944
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.211 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion:113 Resp: 76889
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 18.0 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.463 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX036771.D

Acq: 02 Aug 2023 15:29

Instrument :

MSVOA_X

ClientSampleId :

GROVE-SOIL-0731

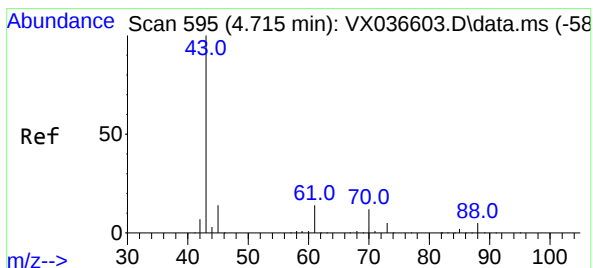
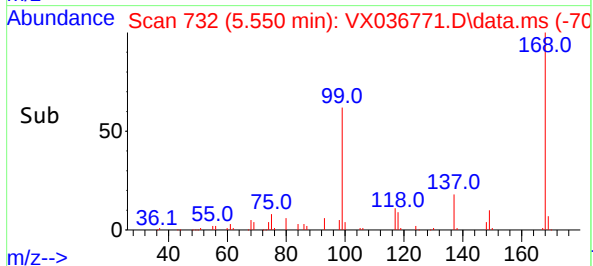
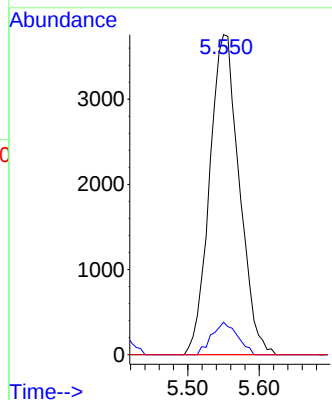
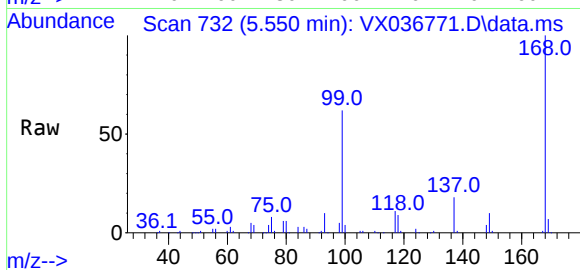
Tgt Ion: 75 Resp: 10834

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 2.170 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX036771.D

Acq: 02 Aug 2023 15:29

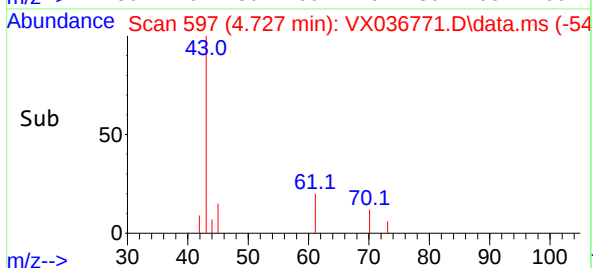
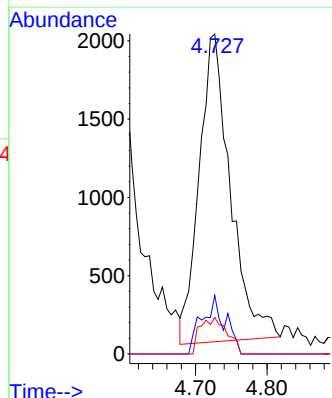
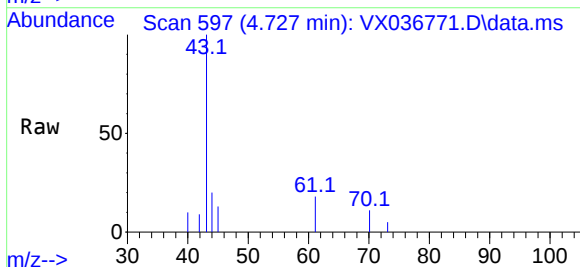
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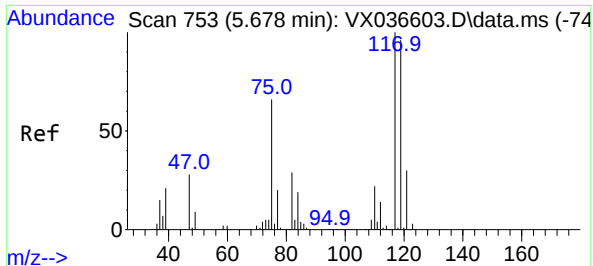
Ion Ratio Lower Upper

43 100

61 14.1 10.6 16.0

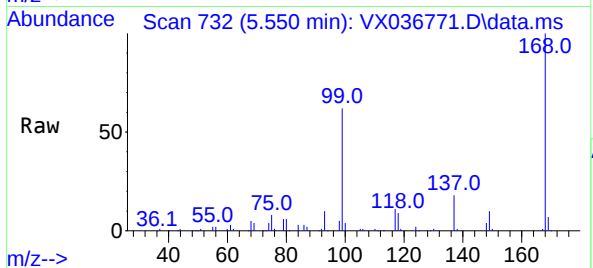
70 10.3 8.3 12.5



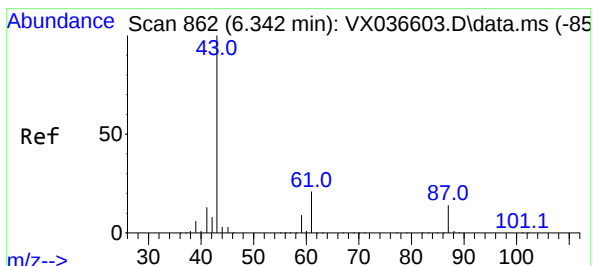
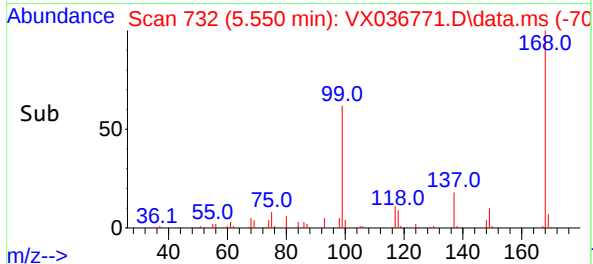
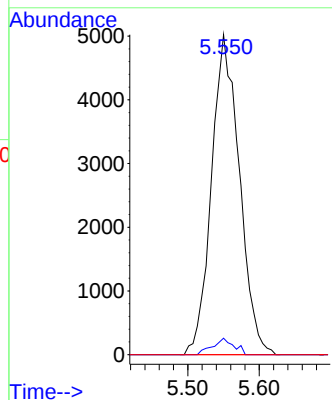


#38
Carbon Tetrachloride
Concen: 5.276 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

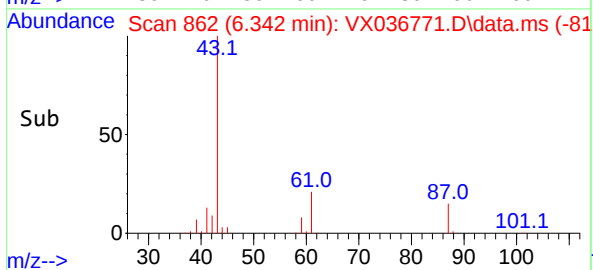
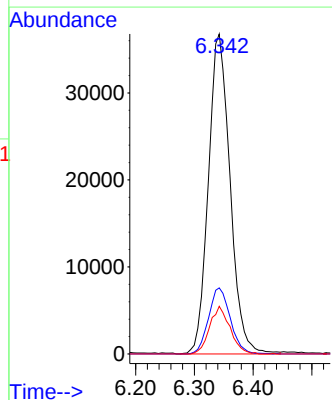
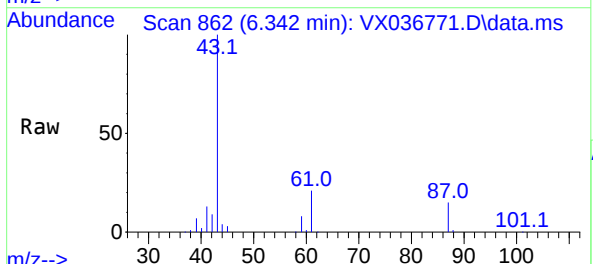


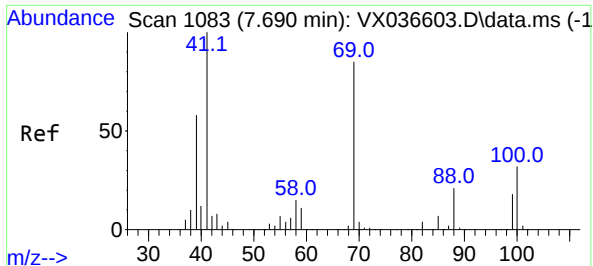
Tgt Ion:117 Resp: 13617
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 19.980 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion: 43 Resp: 94495
Ion Ratio Lower Upper
43 100
61 20.6 15.2 22.8
87 14.0 9.8 14.6

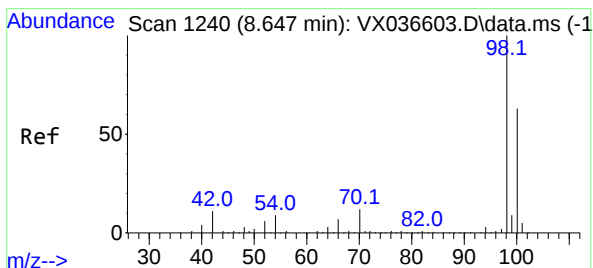
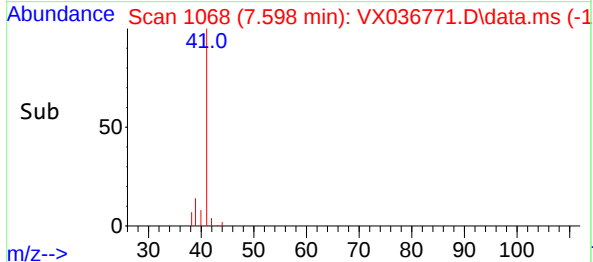
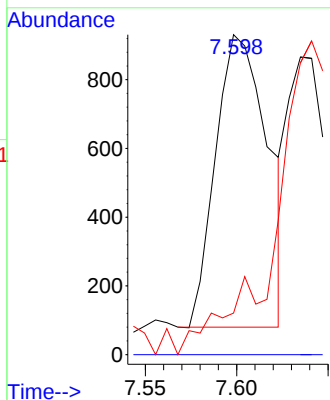
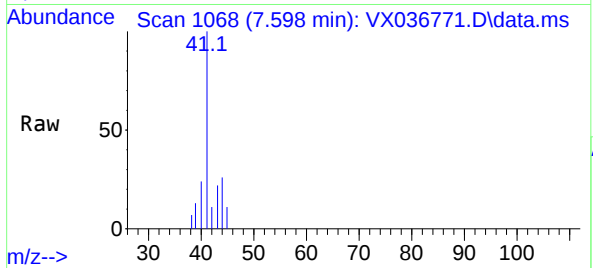




#48
Methyl methacrylate
Concen: 0.764 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

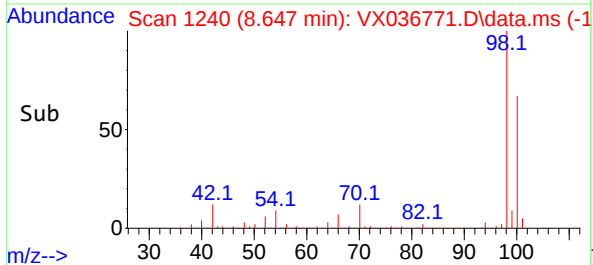
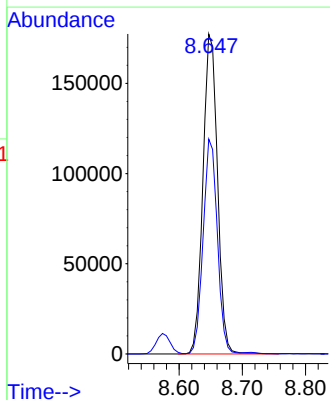
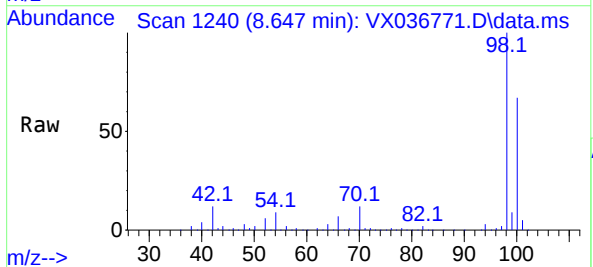
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

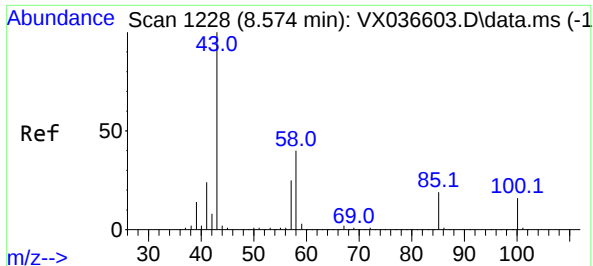
Tgt Ion: 41 Resp: 1680
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#50
Toluene-d8
Concen: 49.344 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion: 98 Resp: 284985
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7

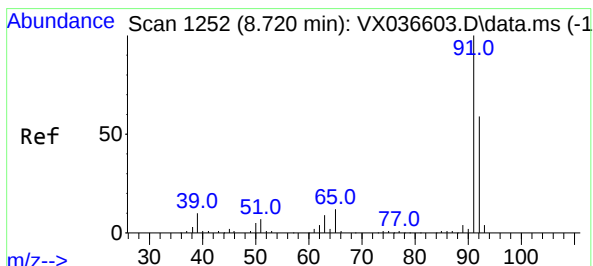
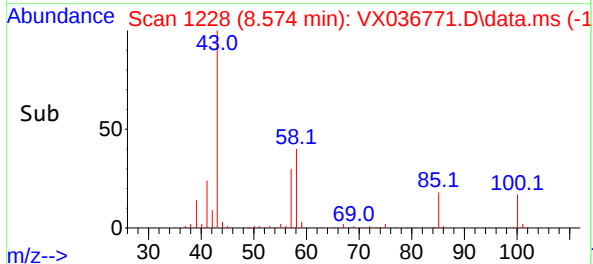
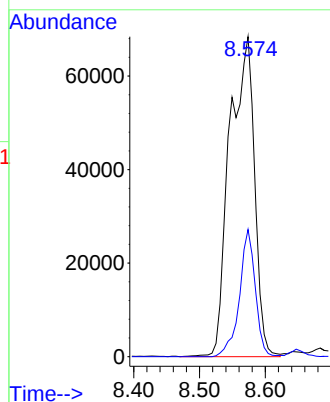
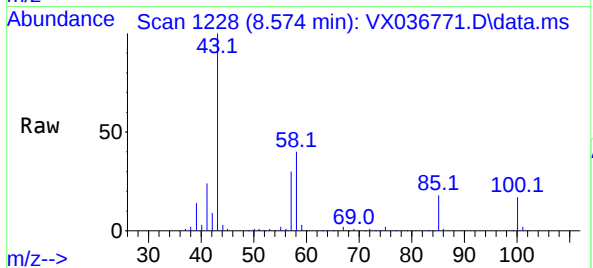




#51
4-Methyl-2-Pentanone
Concen: 68.585 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

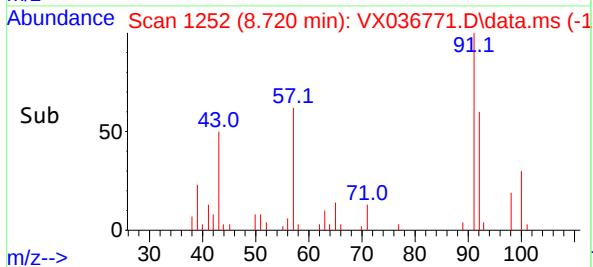
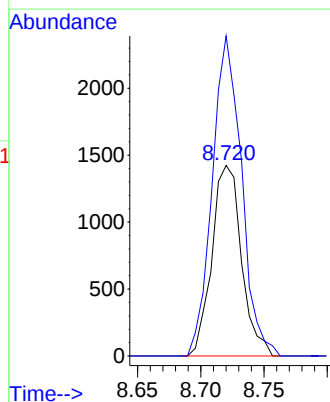
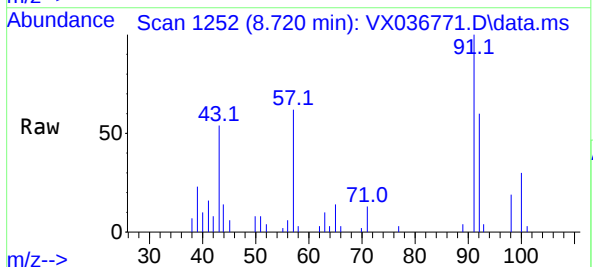
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

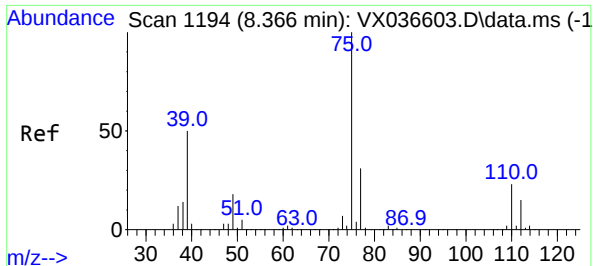
Tgt Ion: 43 Resp: 179504
Ion Ratio Lower Upper
43 100
58 25.4 30.4 45.6#



#52
Toluene
Concen: 0.522 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion: 92 Resp: 2311
Ion Ratio Lower Upper
92 100
91 166.4 134.2 201.2

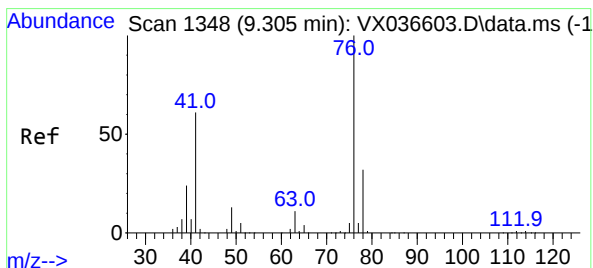
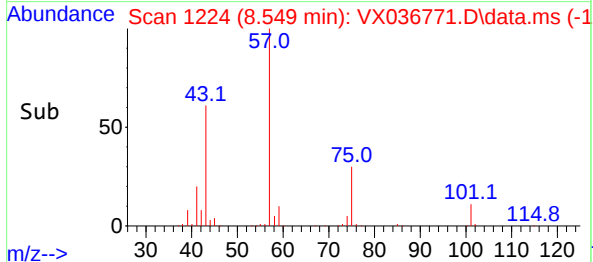
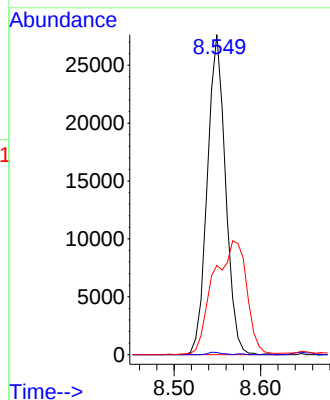
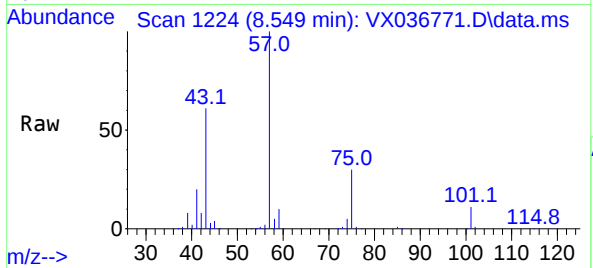




#54
cis-1,3-Dichloropropene
Concen: 12.494 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

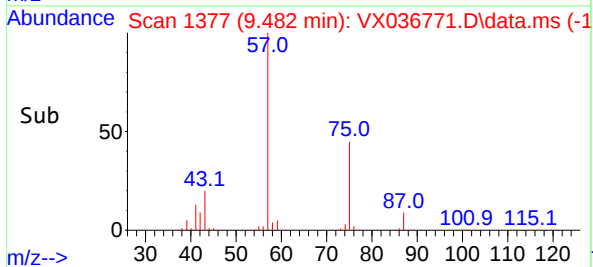
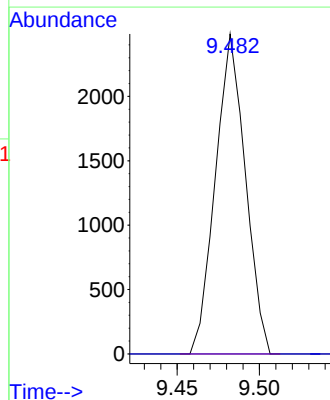
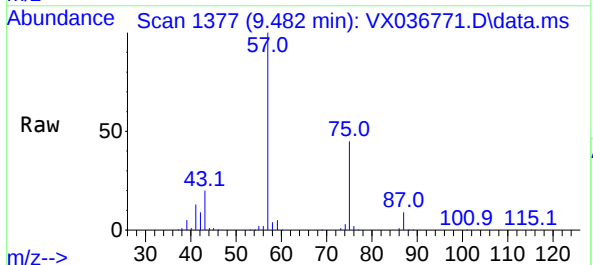
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

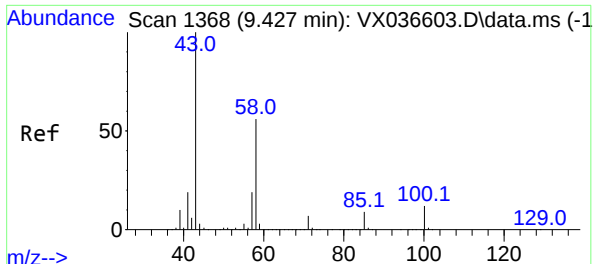
Tgt Ion: 75 Resp: 40365
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 27.7 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.016 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion: 76 Resp: 3148
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

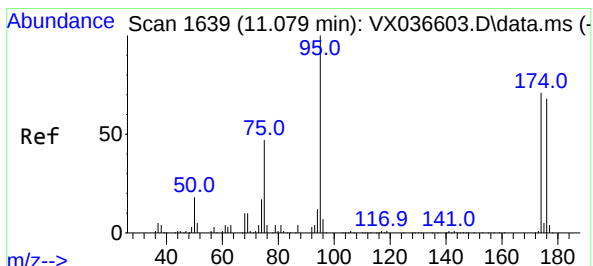
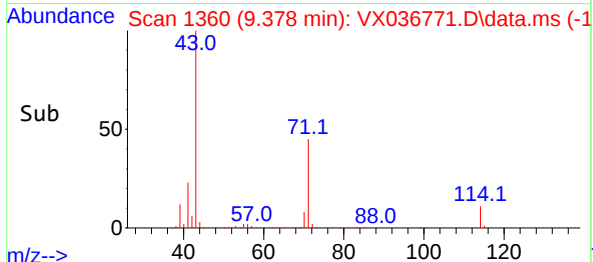
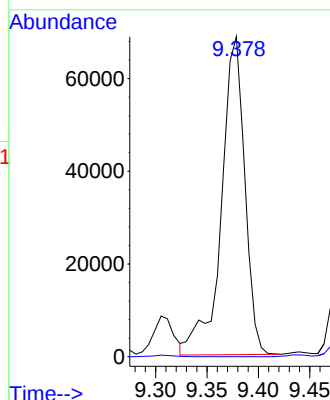
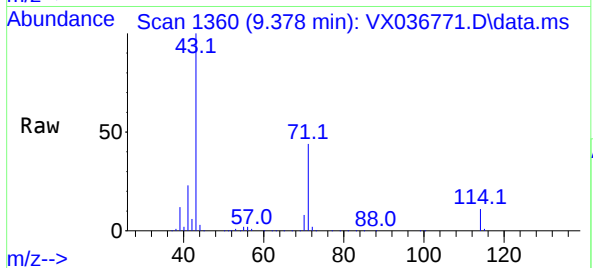




#59
2-Hexanone
Concen: 56.076 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

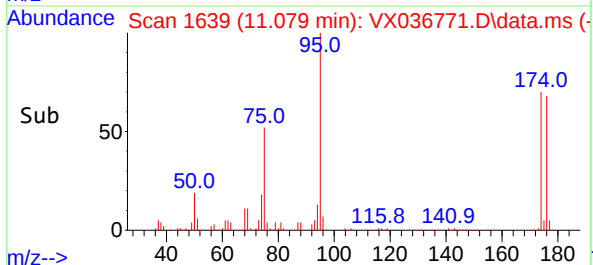
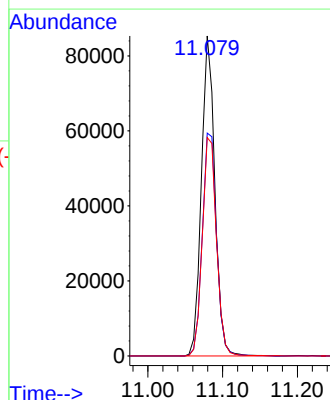
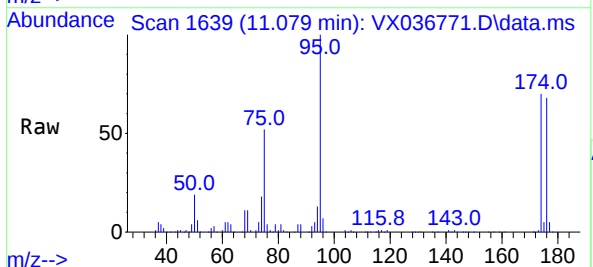
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

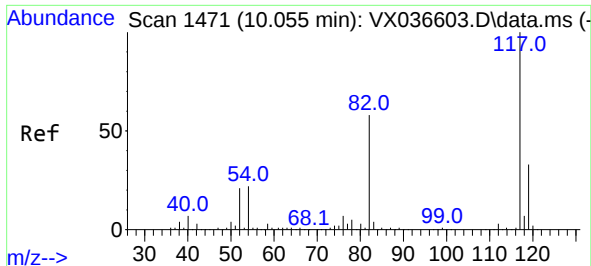
Tgt Ion: 43 Resp: 108923
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.804 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion: 95 Resp: 106342
Ion Ratio Lower Upper
95 100
174 73.8 0.0 135.6
176 72.3 0.0 131.0

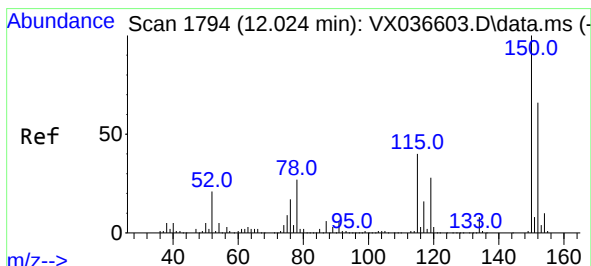
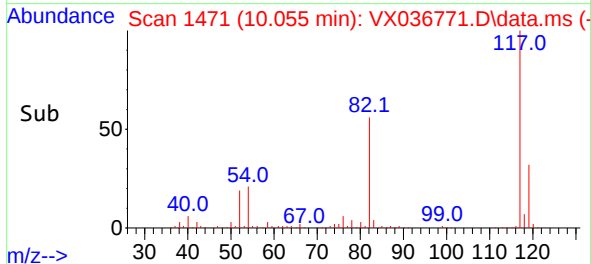
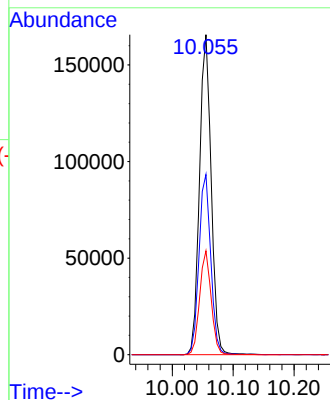
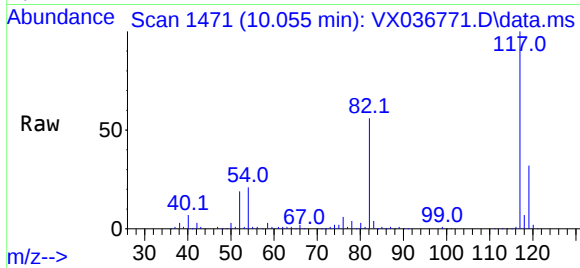




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

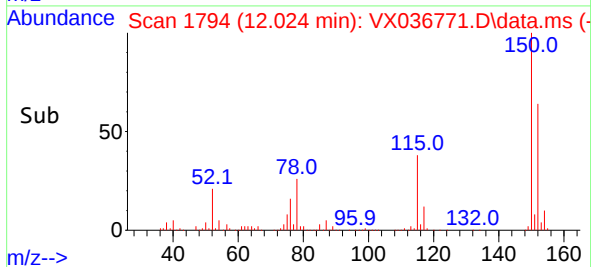
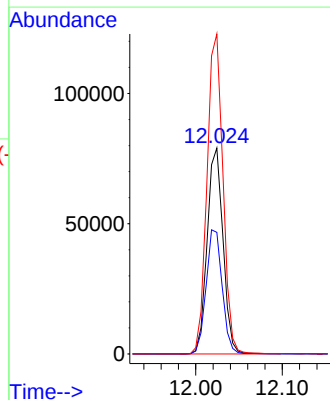
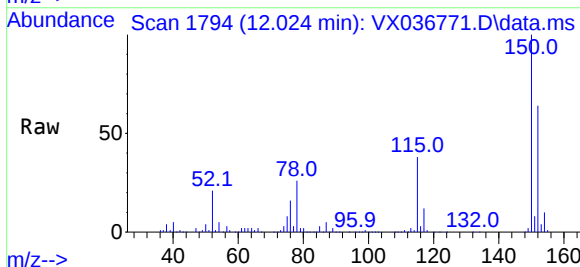
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

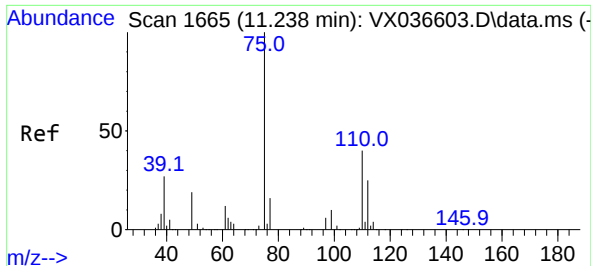
Tgt Ion:117 Resp: 221041
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion:152 Resp: 100823
Ion Ratio Lower Upper
152 100
115 61.2 43.3 129.9
150 156.1 0.0 345.0

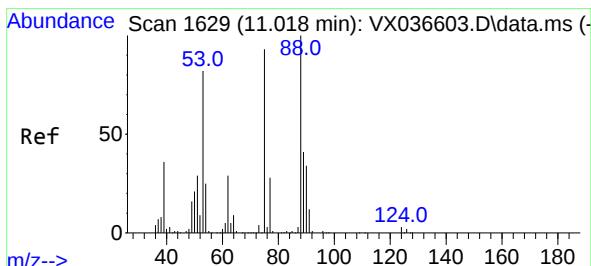
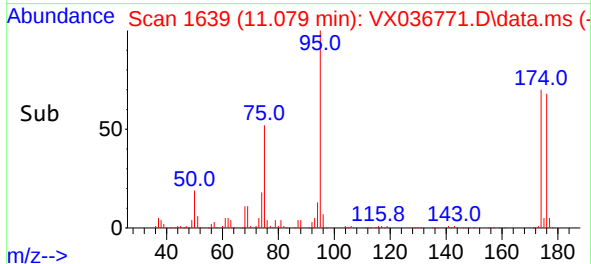
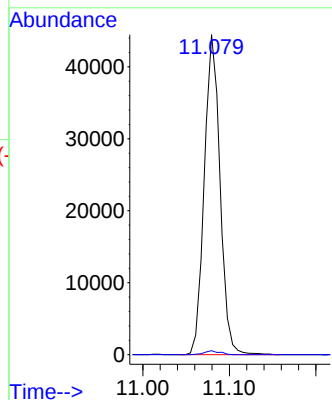
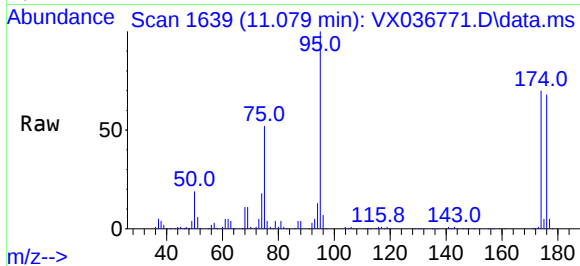




#76
1,2,3-Trichloropropane
Concen: 23.681 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

Tgt Ion: 75 Resp: 56159
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.675 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Tgt Ion: 75 Resp: 56159
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

