

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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/03/2023
 Supervised By : Semsettin Yesilyurt 08/03/2023

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						
16) Acetone	2.380	43	46814	58.560	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
37) Ethyl Acetate	4.727	43	5963	2.170	ug/l	99
43) Isopropyl Acetate	6.342	43	94495	19.980	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	106876m	40.835	ug/l	

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

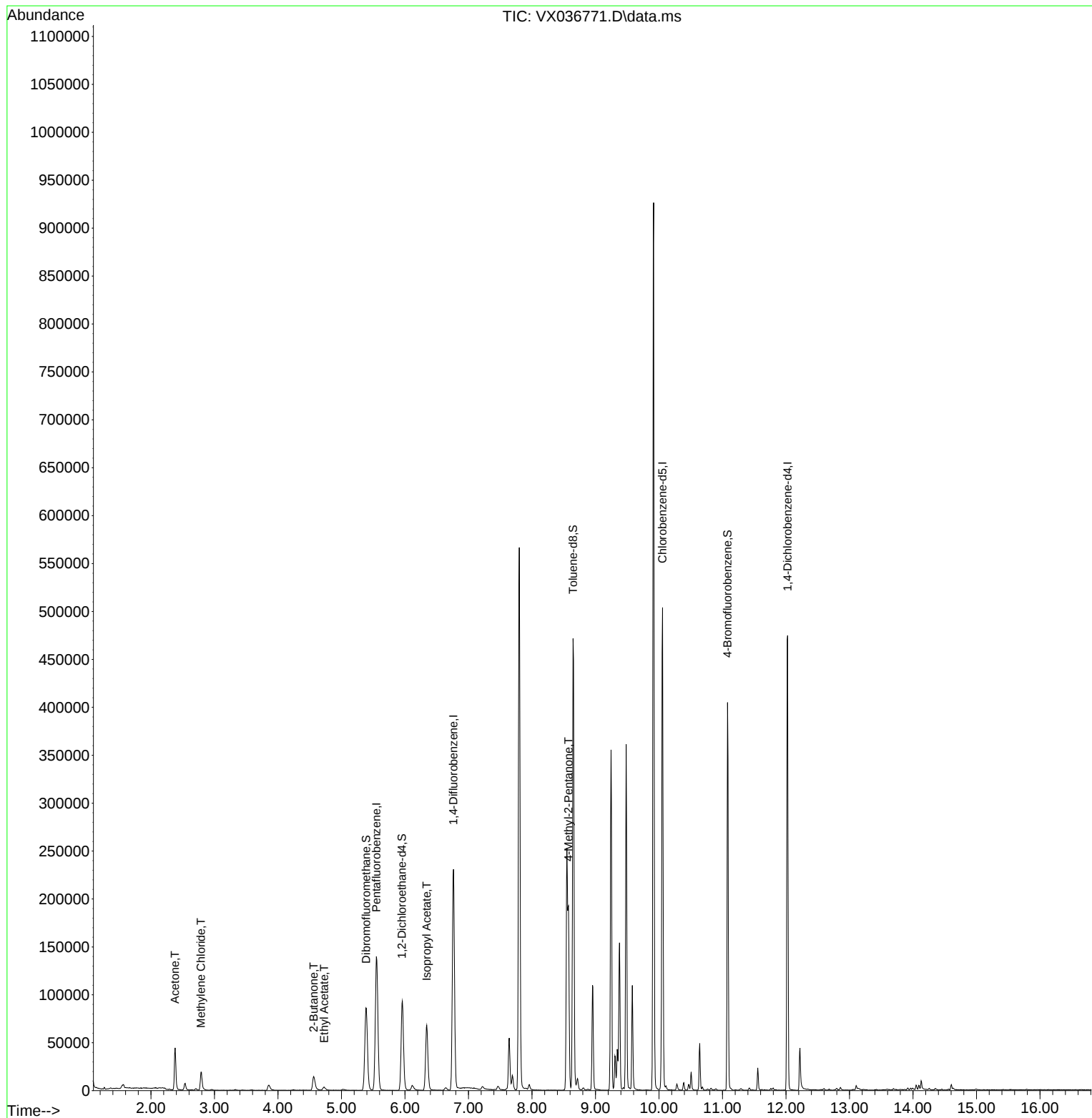
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080223\
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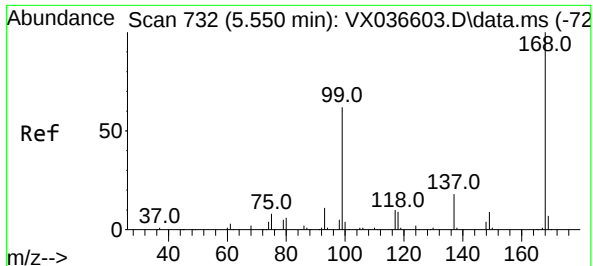
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

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

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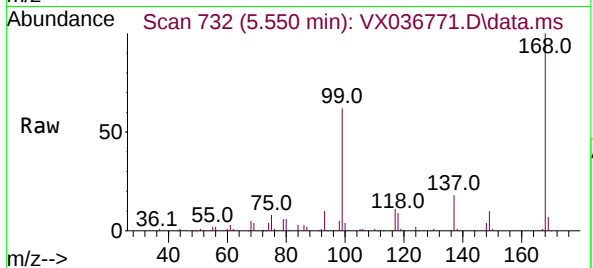
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023





#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

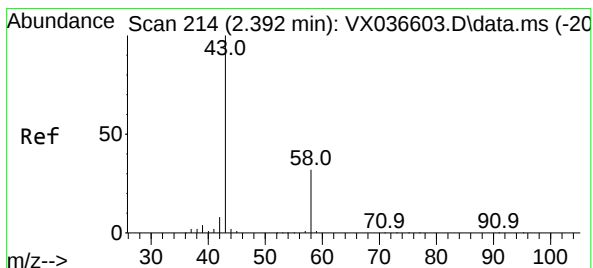
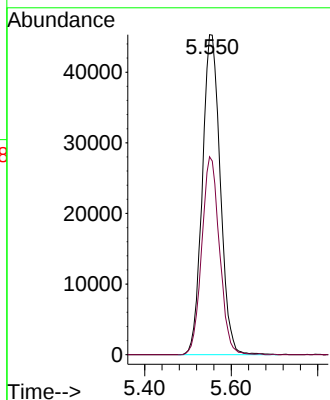
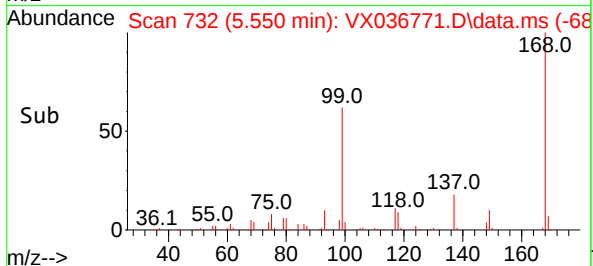
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731



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

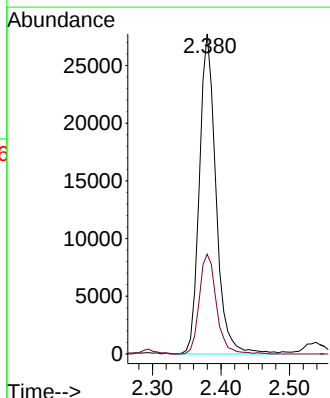
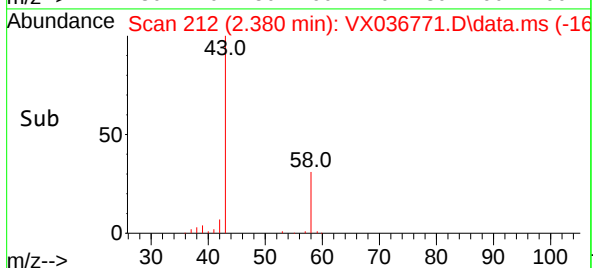
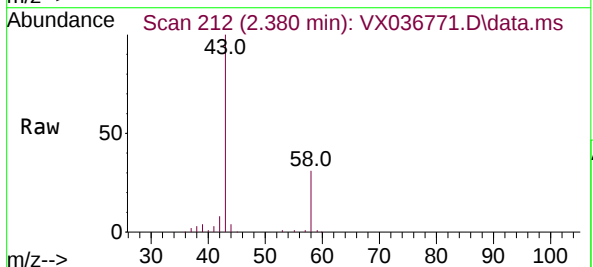
Manual Integrations
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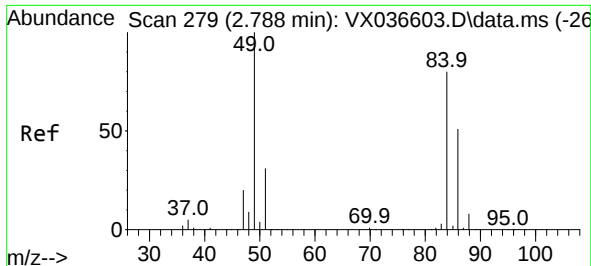
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#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

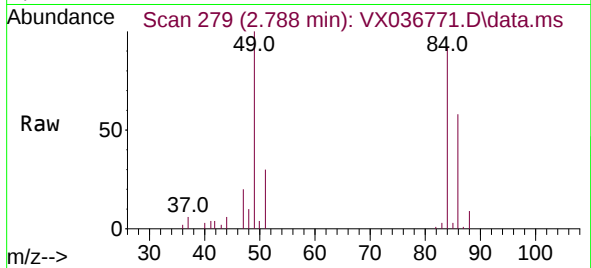
Tgt Ion: 43 Resp: 46814
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9





#20
Methylene Chloride
Concen: 5.733 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

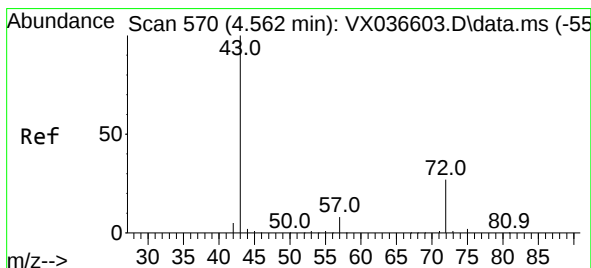
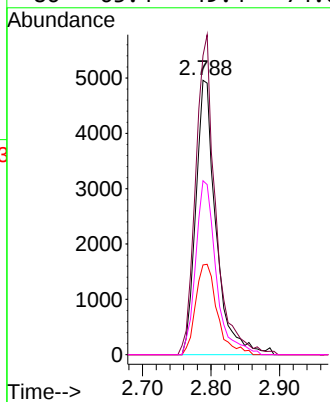
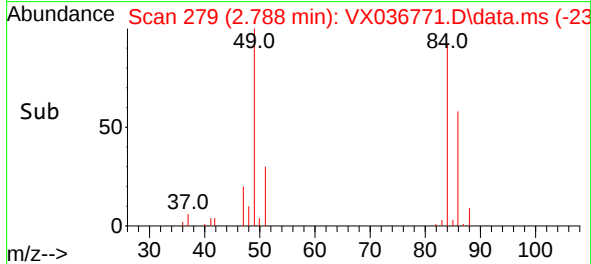
Instrument :
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ClientSampleId :
GROVE-SOIL-0731



Tgt Ion:	84	Resp:	1019
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

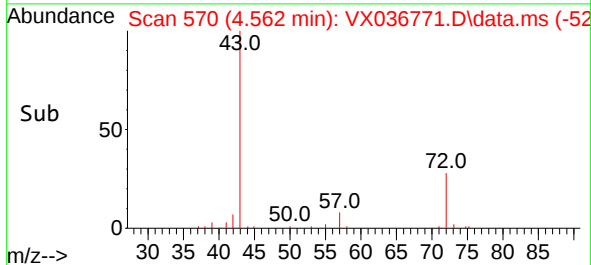
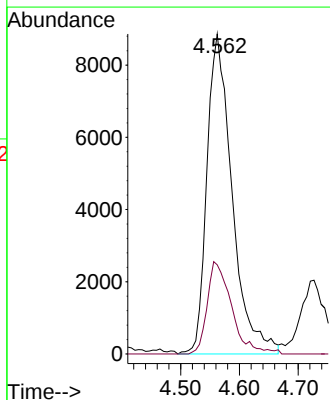
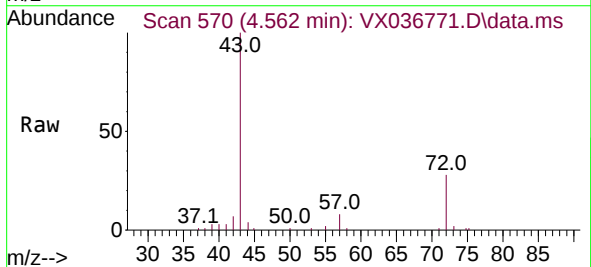
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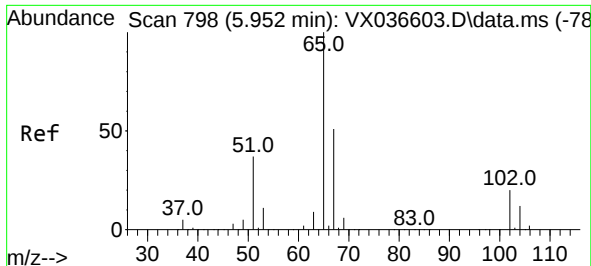
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#25
2-Butanone
Concen: 20.384 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

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





#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

Instrument :

MSVOA_X

ClientSampleId :

GROVE-SOIL-0731

Tgt Ion: 65 Resp: 90550

Ion Ratio Lower Upper

65 100

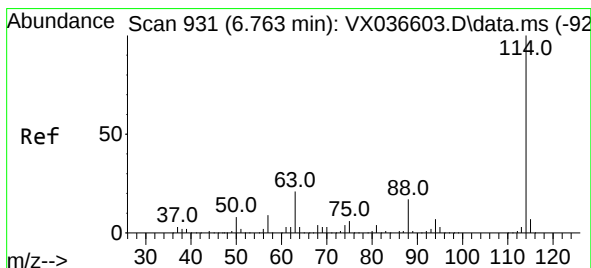
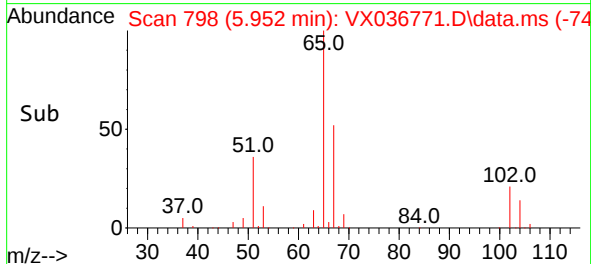
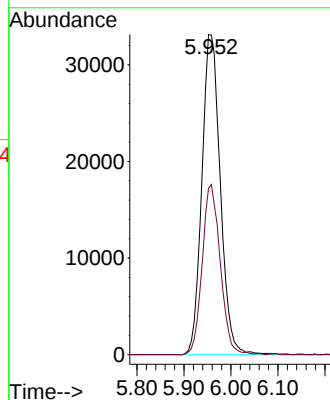
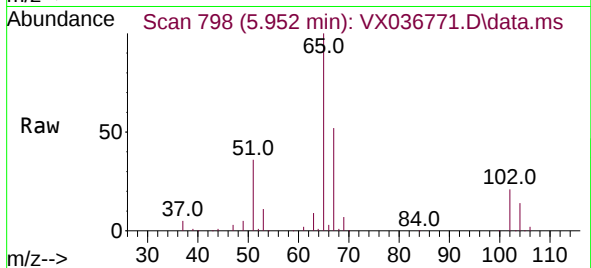
67 51.8 0.0 100.2

Manual Integrations

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Reviewed By :John Carlone 08/03/2023

Supervised By :Semsettin Yesilyurt 08/03/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036771.D

Acq: 02 Aug 2023 15:29

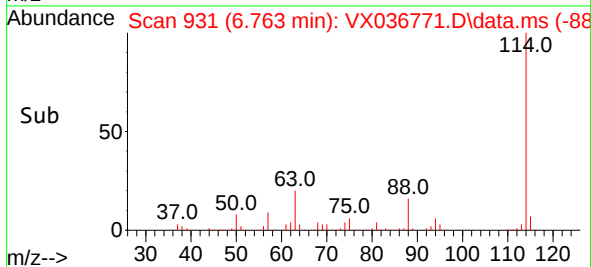
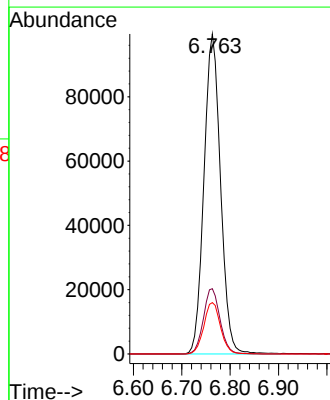
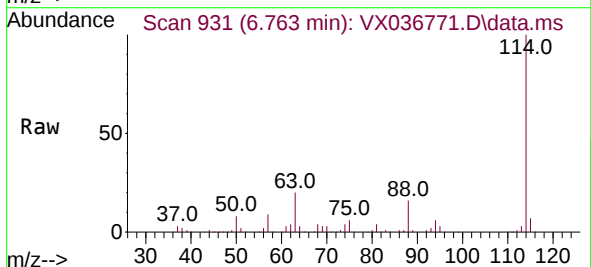
Tgt Ion:114 Resp: 236944

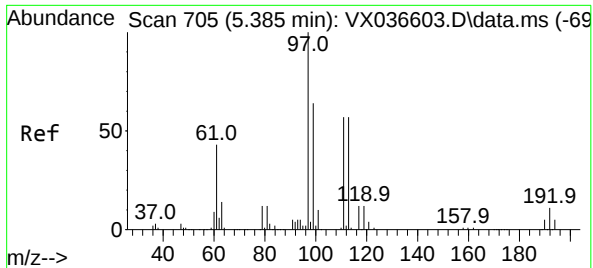
Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.0

88 16.0 0.0 36.6





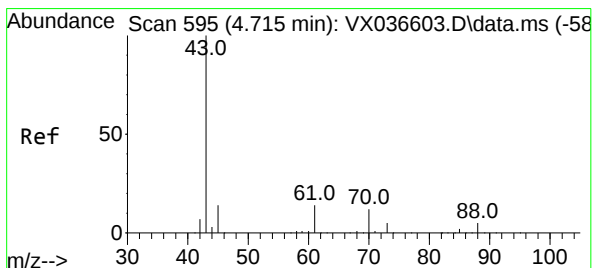
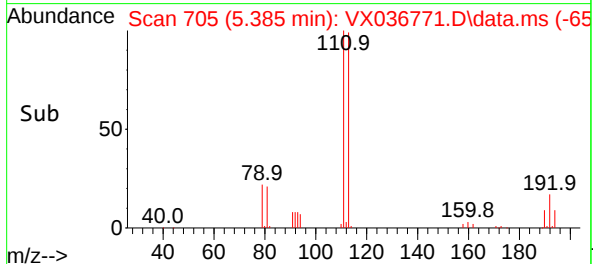
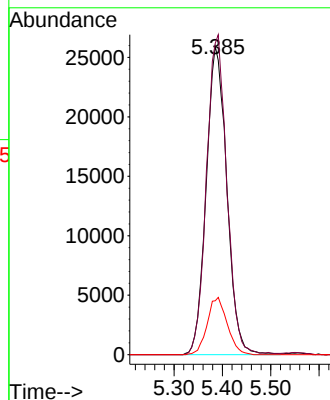
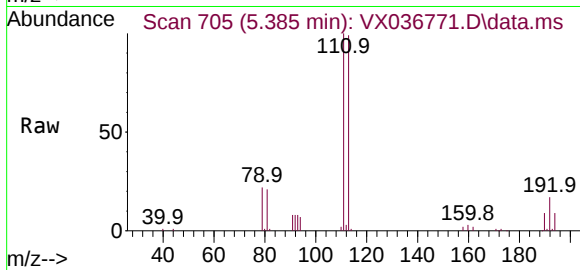
#35
Dibromofluoromethane
Concen: 47.211 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

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

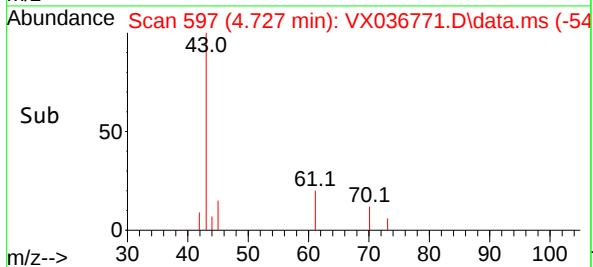
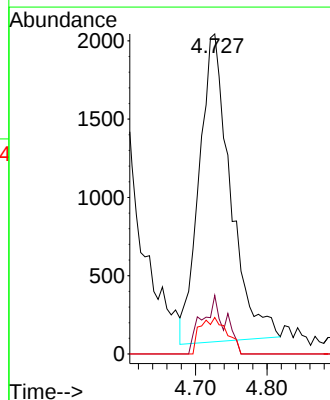
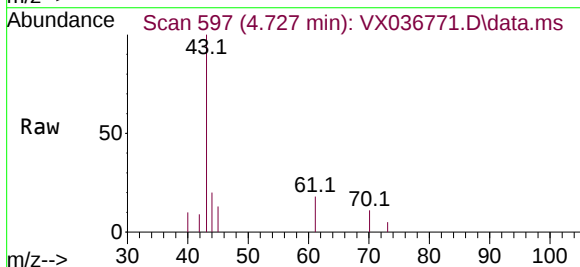
Manual Integrations
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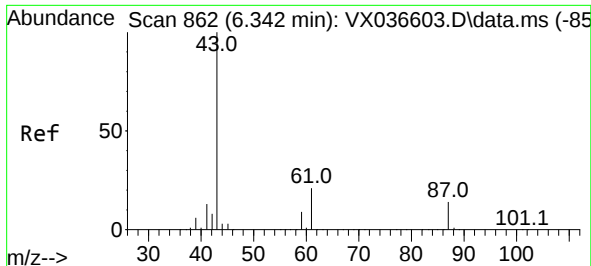
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#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

Tgt Ion: 43 Resp: 5963
Ion Ratio Lower Upper
43 100
61 14.1 10.6 16.0
70 10.3 8.3 12.5





#43

Isopropyl Acetate

Concen: 19.980 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX036771.D

Acq: 02 Aug 2023 15:29

Instrument :

MSVOA_X

ClientSampleId :

GROVE-SOIL-0731

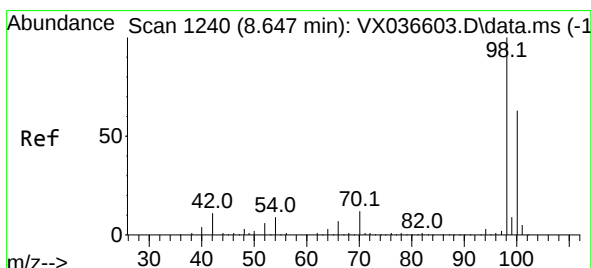
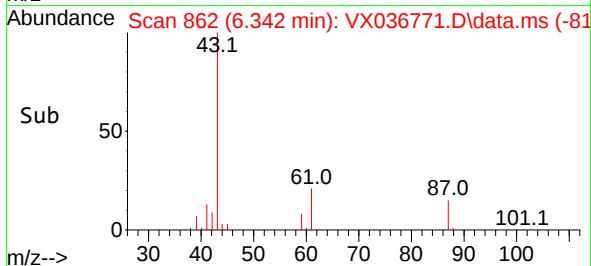
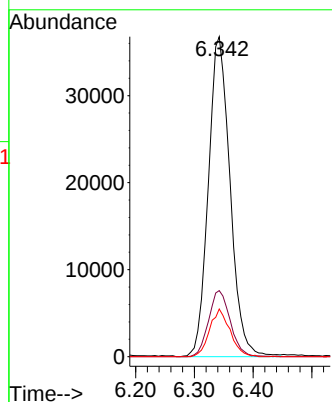
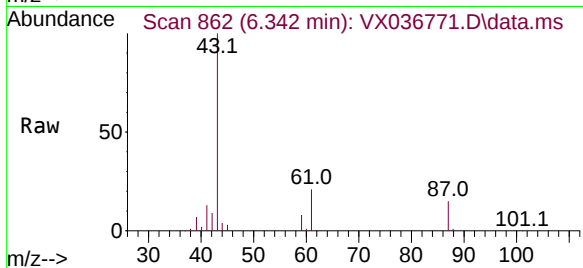
Tgt Ion: 43	Resp: 9449
Ion Ratio	Lower Upper
43	100
61	20.6 15.2 22.8
87	14.0 9.8 14.6

Manual Integrations

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Reviewed By :John Carlone 08/03/2023

Supervised By :Semsettin Yesilyurt 08/03/2023



#50

Toluene-d8

Concen: 49.344 ug/l

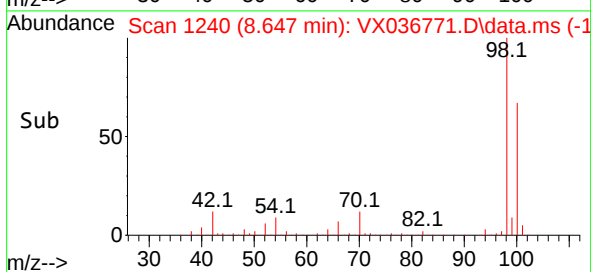
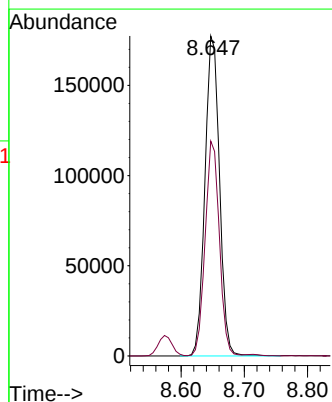
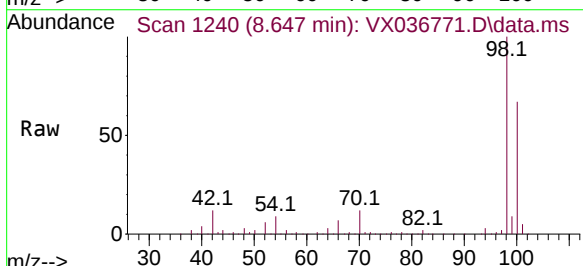
RT: 8.647 min Scan# 1240

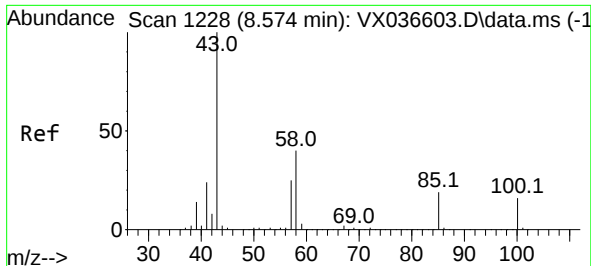
Delta R.T. 0.000 min

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





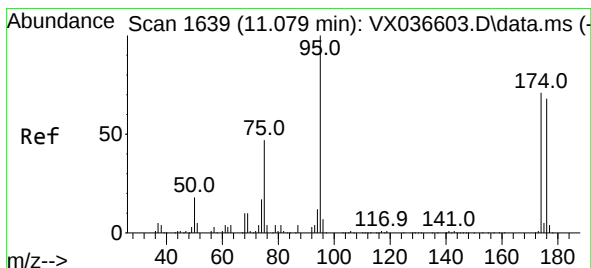
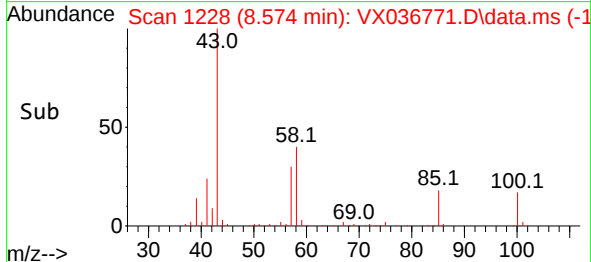
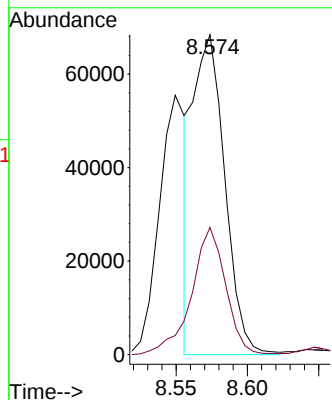
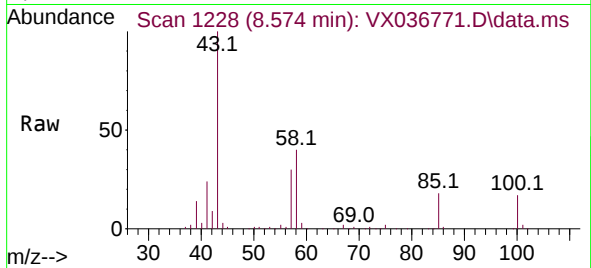
#51
4-Methyl-2-Pentanone
Concen: 40.835 ug/l m
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036771.D
Acq: 02 Aug 2023 15:29

Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731

Tgt Ion: 43 Resp: 106870
Ion Ratio Lower Upper
43 100
58 42.6 30.4 45.6

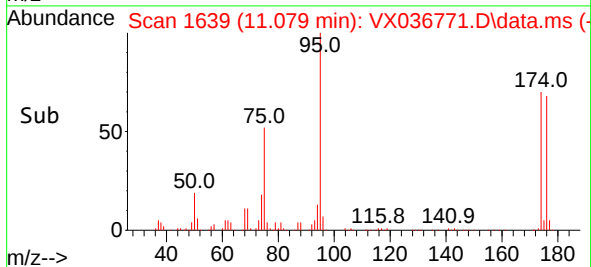
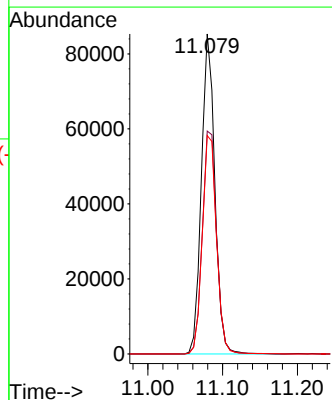
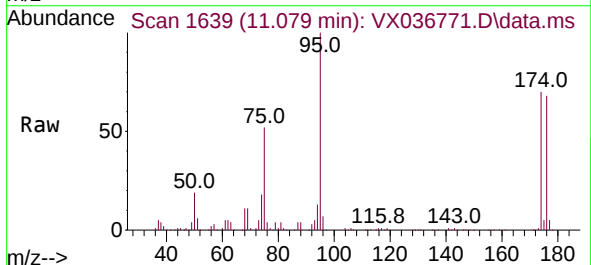
Manual Integrations
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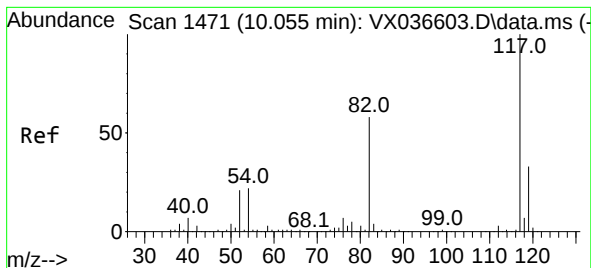
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#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

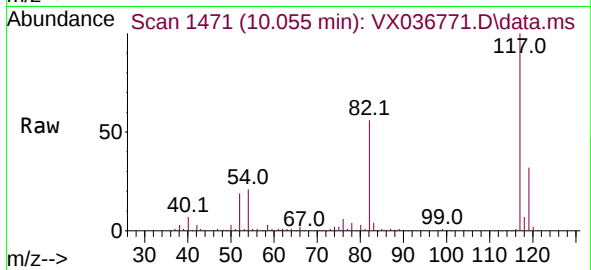
Tgt Ion: 95 Resp: 106342
Ion Ratio Lower Upper
95 100
174 73.8 0.0 135.6
176 72.3 0.0 131.0





#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

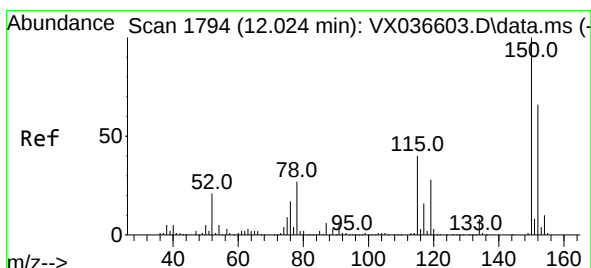
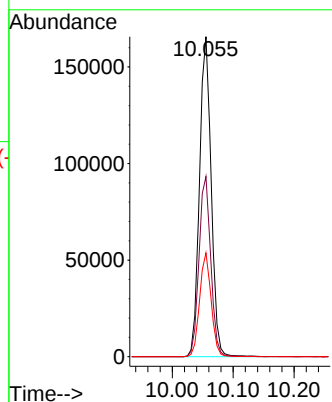
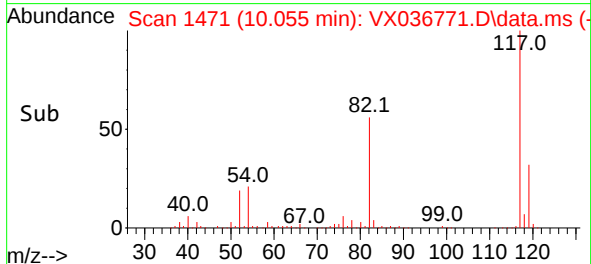
Instrument :
MSVOA_X
ClientSampleId :
GROVE-SOIL-0731



Tgt Ion:117 Resp: 22104
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.5 25.5 38.3

Manual Integrations
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Supervised By :Semsettin Yesilyurt 08/03/2023



#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

