

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101525\
 Data File : VX048190.D
 Acq On : 15 Oct 2025 14:56
 Operator : JC/MD
 Sample : Q3345-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-R-SOIL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 04:06:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	107308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	225211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	249533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	100399	58.779	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.560%#			
35) Dibromofluoromethane	5.379	113	77692	51.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.880%			
50) Toluene-d8	8.635	98	266697	51.030	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.060%			
62) 4-Bromofluorobenzene	11.061	95	118032	59.508	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.020%			
Target Compounds						Qvalue
16) Acetone	2.380	43	19562	26.340	ug/l	98
18) Methyl Acetate	2.703	43	7027	4.252	ug/l	98
20) Methylene Chloride	2.788	84	4103	2.610	ug/l	92
25) 2-Butanone	4.568	43	7900	8.528	ug/l	92
37) Ethyl Acetate	4.715	43	4242m	1.795	ug/l	
43) Isopropyl Acetate	6.336	43	9143	2.359	ug/l #	92
67) Ethyl Benzene	10.177	91	96141	9.829	ug/l	99
68) m/p-Xylenes	10.287	106	12829	3.524	ug/l	96
69) o-Xylene	10.628	106	22625	6.425	ug/l	100
73) Isopropylbenzene	10.945	105	24249	2.441	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	20147	2.468	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	58885	7.115	ug/l	100

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

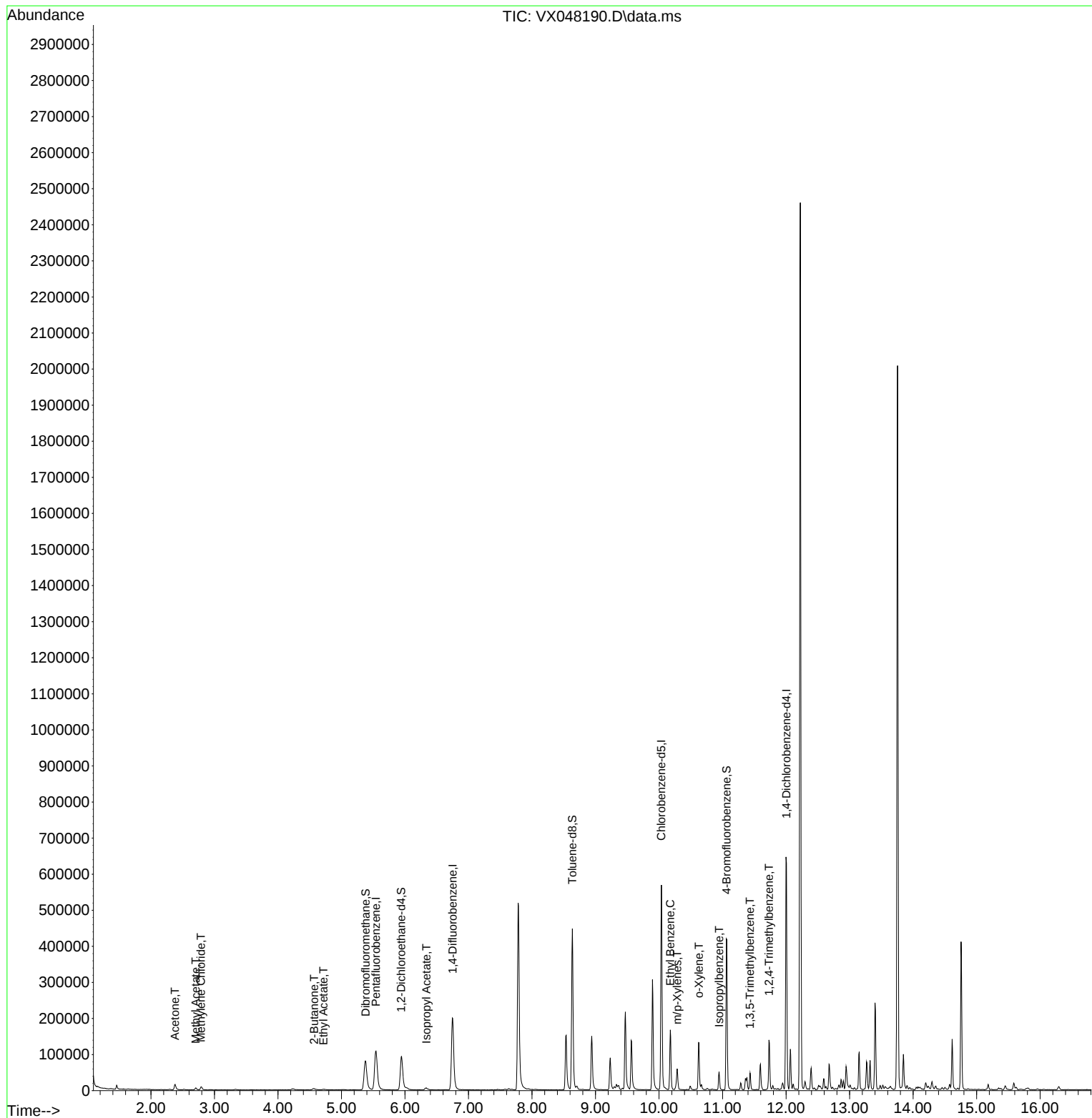
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Data File : VX048190.D
Acq On : 15 Oct 2025 14:56
Operator : JC/MD
Sample : Q3345-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

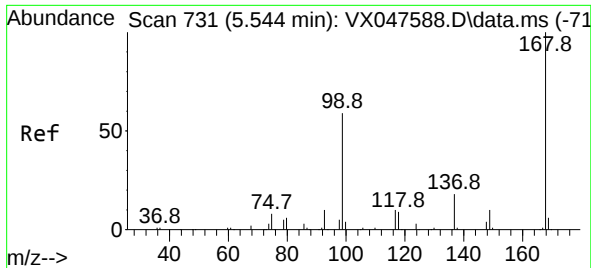
Instrument :
MSVOA_X
ClientSampleId :
M-R-SOIL

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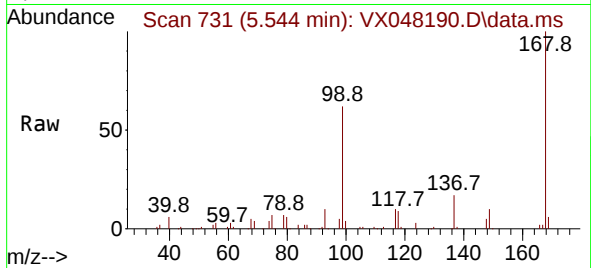
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

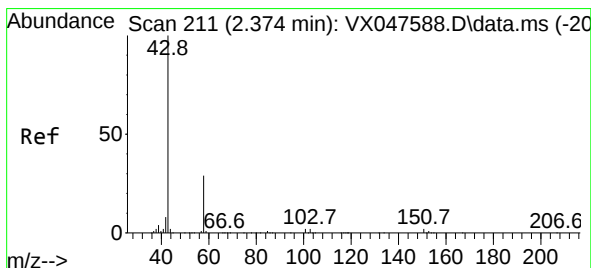
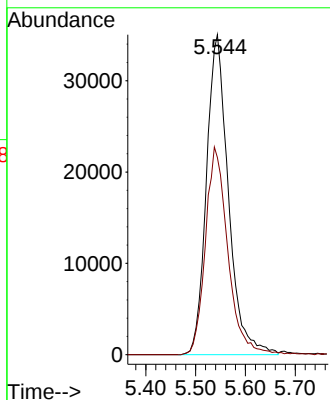
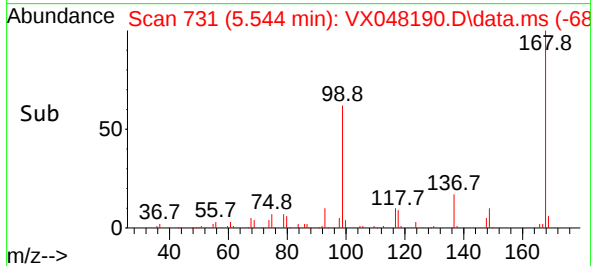
Instrument :
MSVOA_X
ClientSampleId :
M-R-SOIL



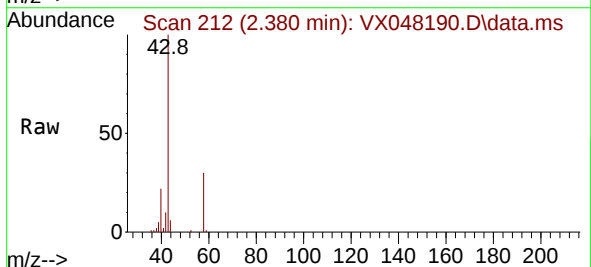
Tgt Ion:168 Resp: 107308
Ion Ratio Lower Upper
168 100
99 61.6 48.8 73.2

Manual Integrations
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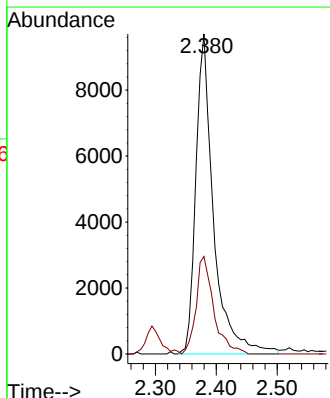
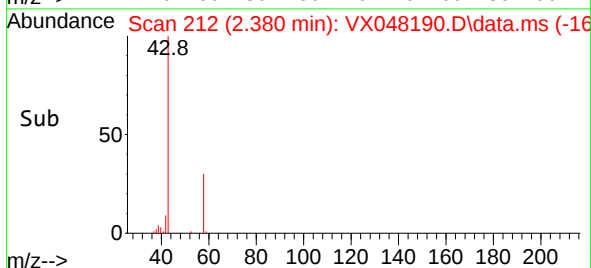
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

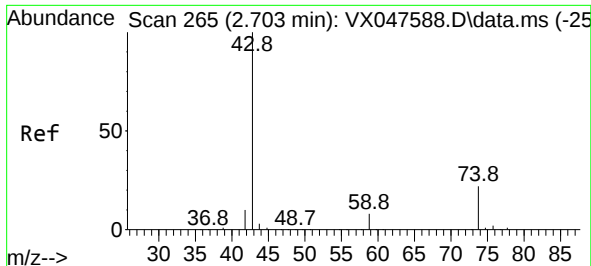


#16
Acetone
Concen: 26.340 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56



Tgt Ion: 43 Resp: 19562
Ion Ratio Lower Upper
43 100
58 30.4 23.4 35.0





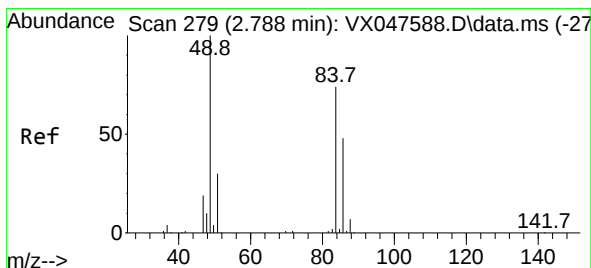
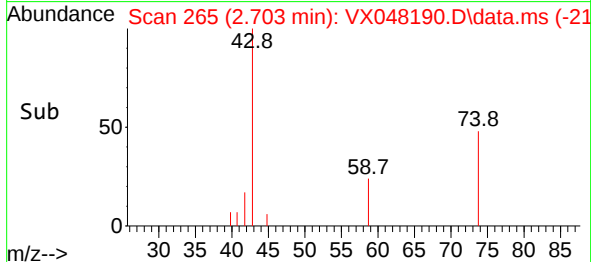
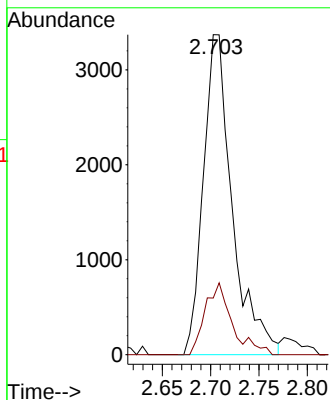
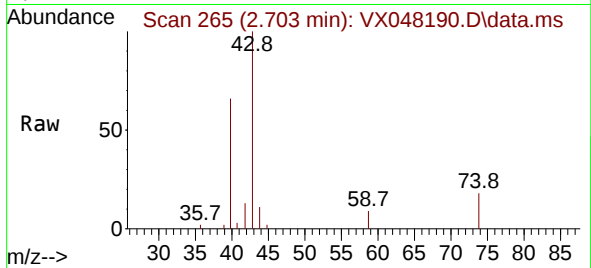
#18
Methyl Acetate
Concen: 4.252 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
M-R-SOIL

Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
74 21.0 17.4 26.2

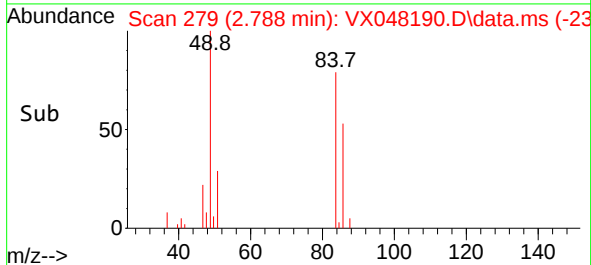
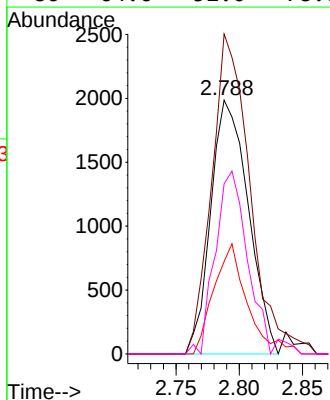
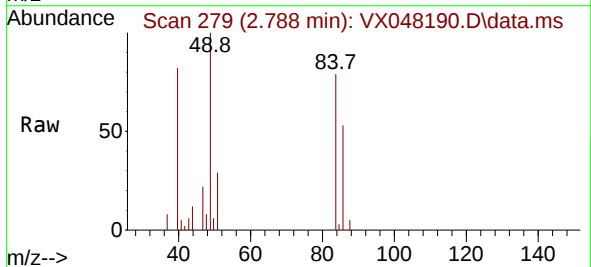
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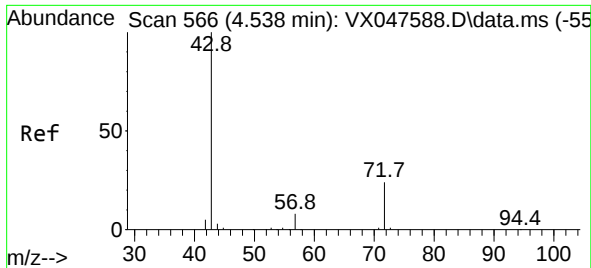
Reviewed By :John Carlone 10/17/2025
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#20
Methylene Chloride
Concen: 2.610 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

Tgt Ion: 84 Resp: 4103
Ion Ratio Lower Upper
84 100
49 121.4 108.6 162.8
51 35.0 32.6 48.8
86 64.6 52.0 78.0





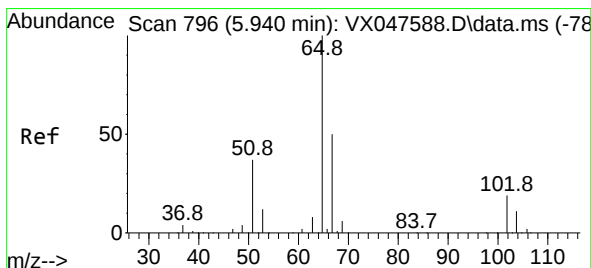
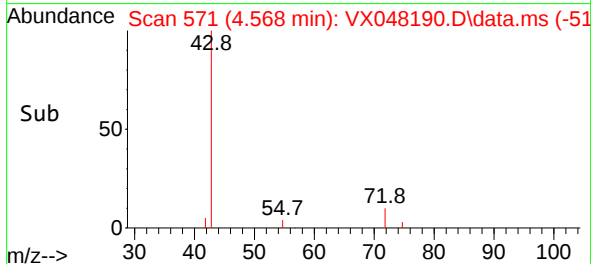
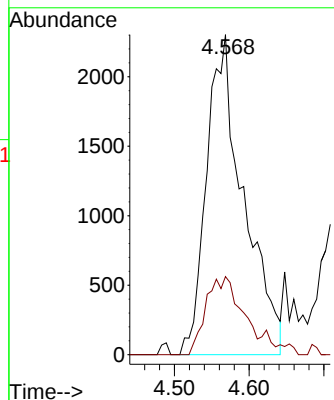
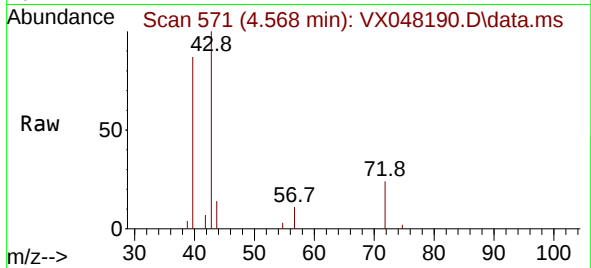
#25
2-Butanone
Concen: 8.528 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
M-R-SOIL

Tgt Ion: 43 Resp: 7900
Ion Ratio Lower Upper
43 100
72 21.3 20.1 30.1

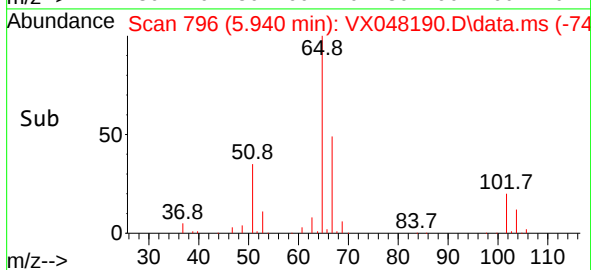
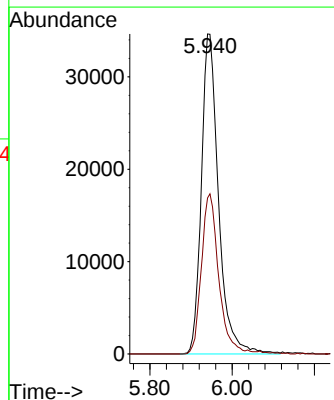
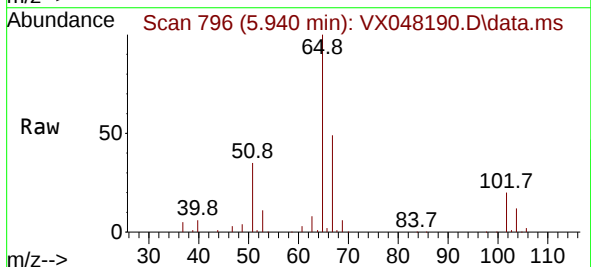
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#33
1,2-Dichloroethane-d4
Concen: 58.779 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

Tgt Ion: 65 Resp: 100399
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0





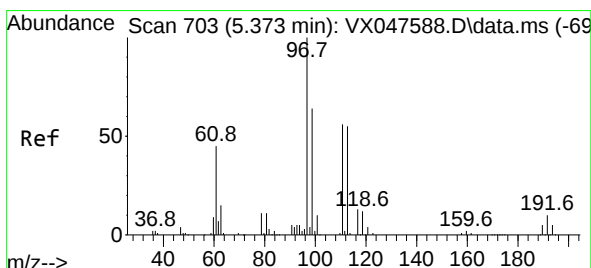
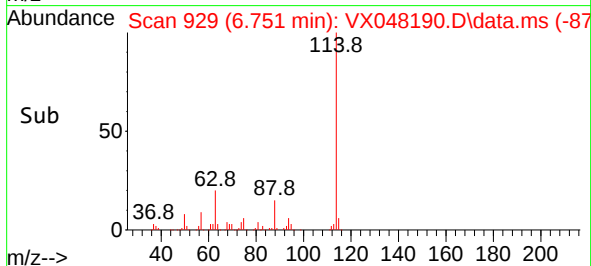
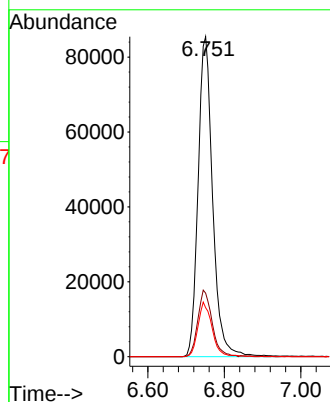
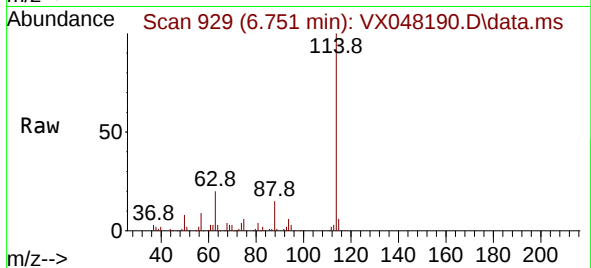
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
M-R-SOIL

Tgt Ion:114 Resp: 22521
Ion Ratio Lower Upper
114 100
63 19.9 0.0 44.0
88 15.3 0.0 34.2

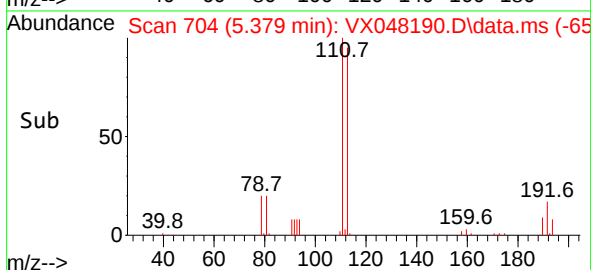
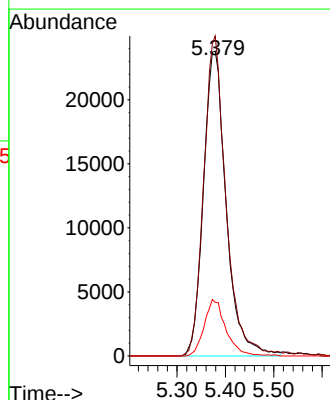
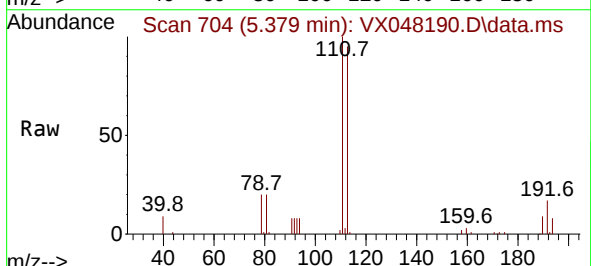
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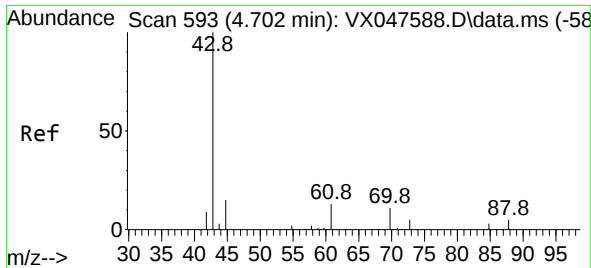
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#35
Dibromofluoromethane
Concen: 51.438 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

Tgt Ion:113 Resp: 77692
Ion Ratio Lower Upper
113 100
111 102.6 80.9 121.3
192 17.6 14.2 21.4





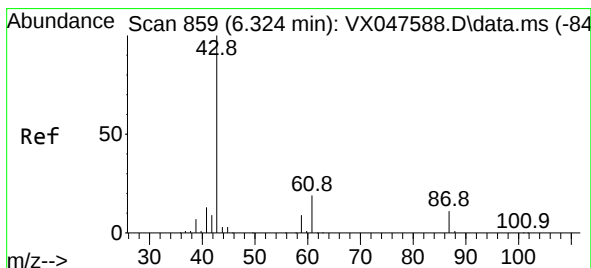
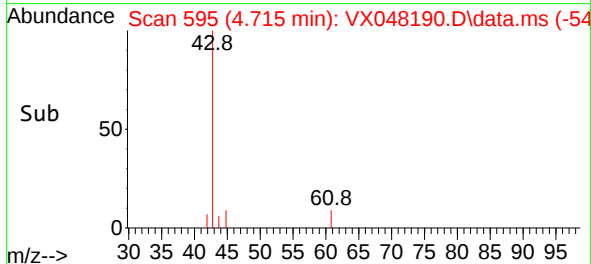
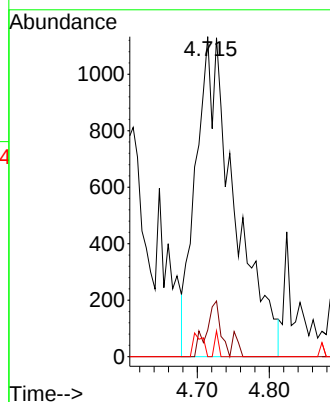
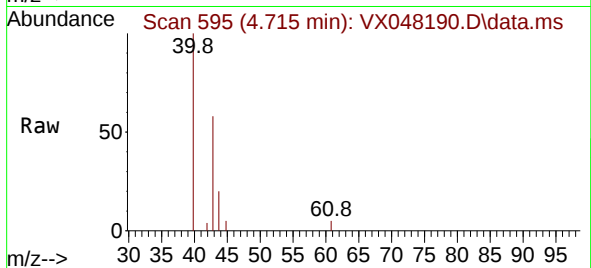
#37
Ethyl Acetate
Concen: 1.795 ug/l m
RT: 4.715 min Scan# 593
Delta R.T. 0.012 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

Instrument :
MSVOA_X
Client Sample Id :
M-R-SOIL

Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
61 6.3 9.8 14.8
70 0.8 7.9 11.9

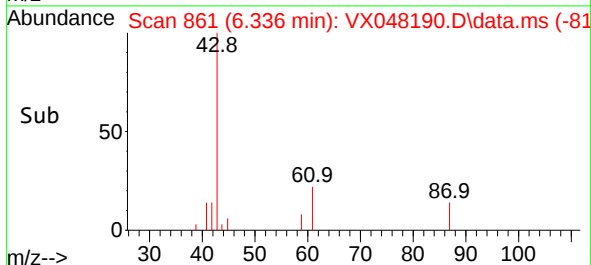
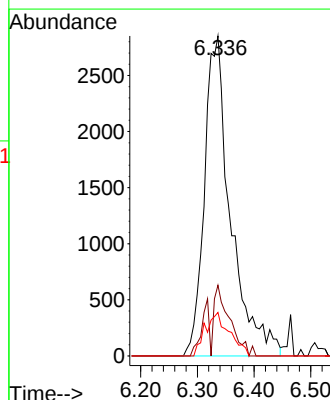
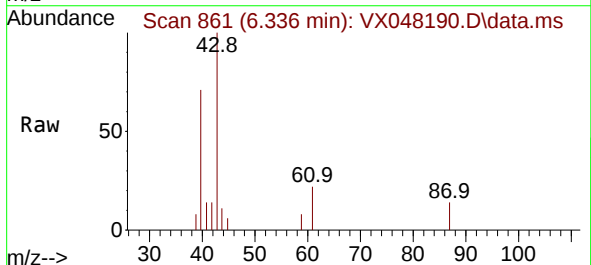
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#43
Isopropyl Acetate
Concen: 2.359 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.012 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

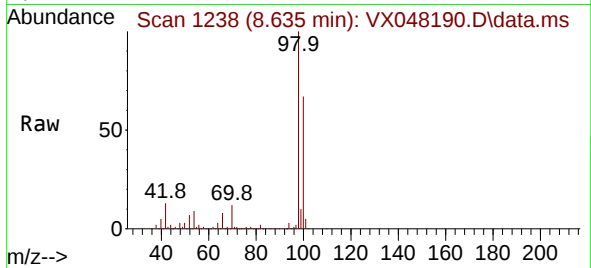
Tgt Ion: 43 Resp: 9143
Ion Ratio Lower Upper
43 100
61 13.3 15.2 22.8
87 12.5 9.6 14.4





#50
Toluene-d8
Concen: 51.030 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

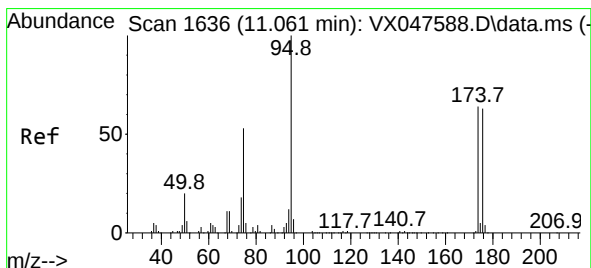
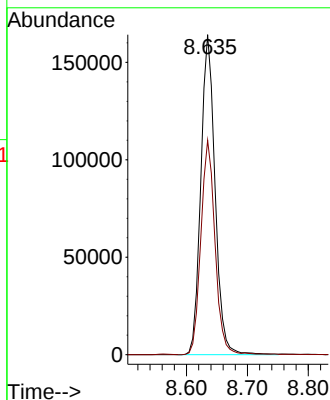
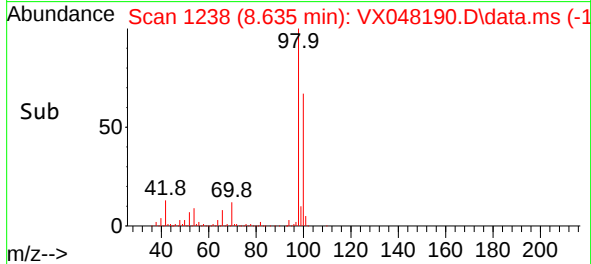
Instrument :
MSVOA_X
ClientSampleId :
M-R-SOIL



Tgt Ion: 98 Resp: 266697
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4

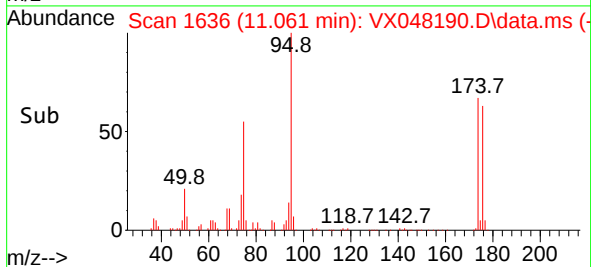
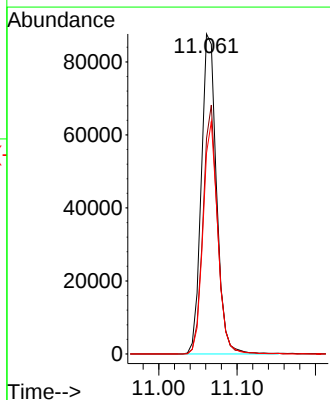
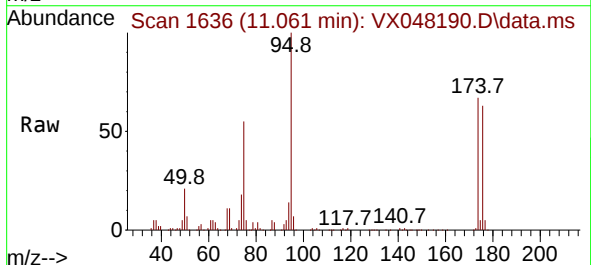
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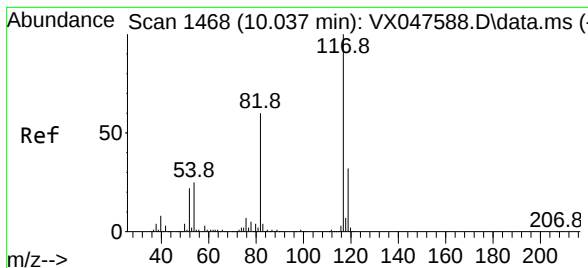
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#62
4-Bromofluorobenzene
Concen: 59.508 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

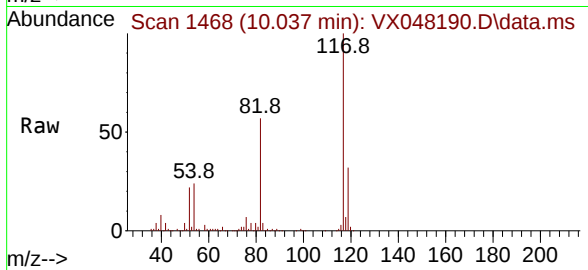
Tgt Ion: 95 Resp: 118032
Ion Ratio Lower Upper
95 100
174 74.1 0.0 141.6
176 70.4 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

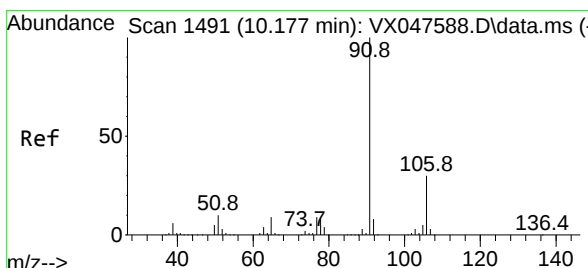
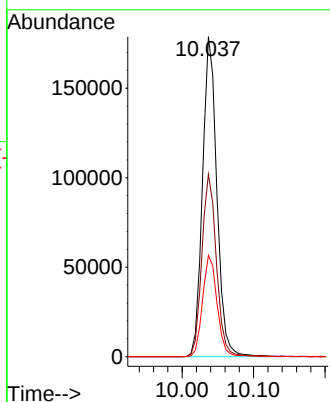
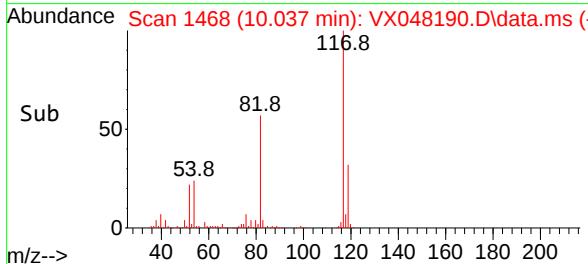
Instrument :
MSVOA_X
ClientSampleId :
M-R-SOIL



Tgt Ion:117 Resp: 24953
Ion Ratio Lower Upper
117 100
82 57.0 47.8 71.6
119 31.7 25.2 37.8

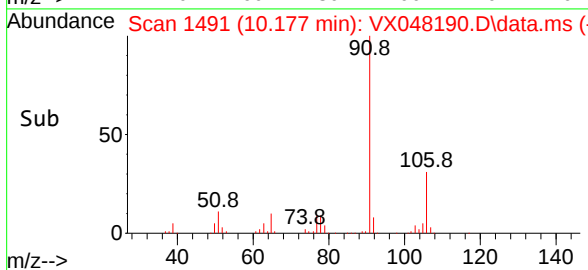
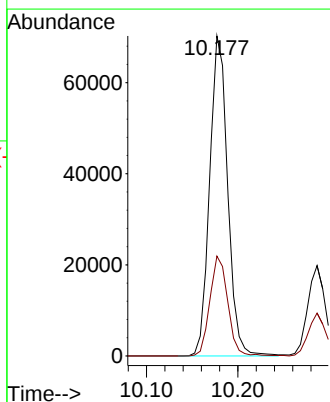
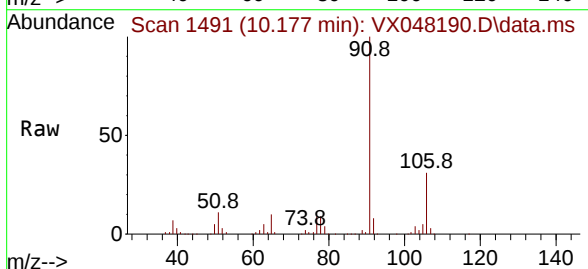
Manual Integrations
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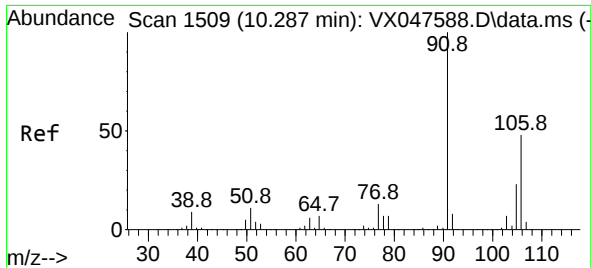
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#67
Ethyl Benzene
Concen: 9.829 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

Tgt Ion: 91 Resp: 96141
Ion Ratio Lower Upper
91 100
106 31.2 24.3 36.5





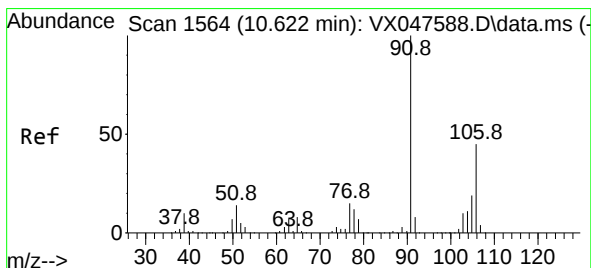
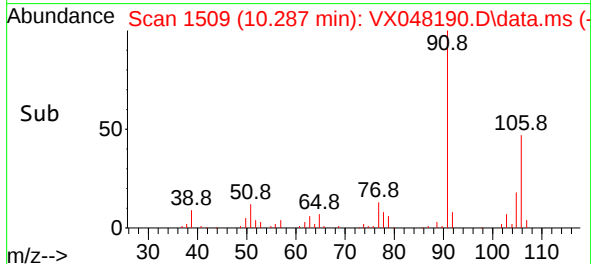
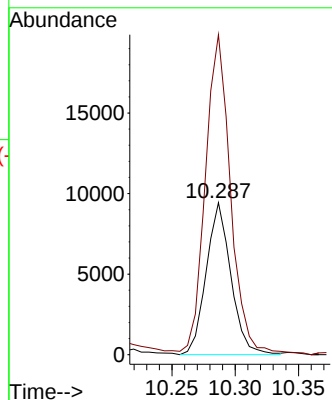
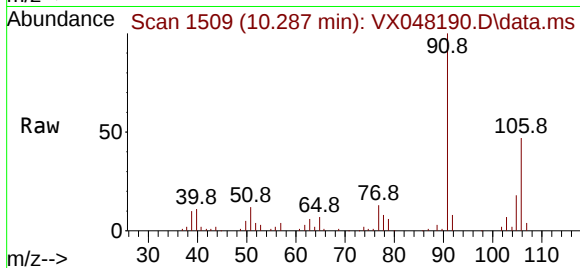
#68
m/p-Xylenes
Concen: 3.524 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
M-R-SOIL

Tgt Ion:106 Resp: 12829
Ion Ratio Lower Upper
106 100
91 215.5 167.8 251.8

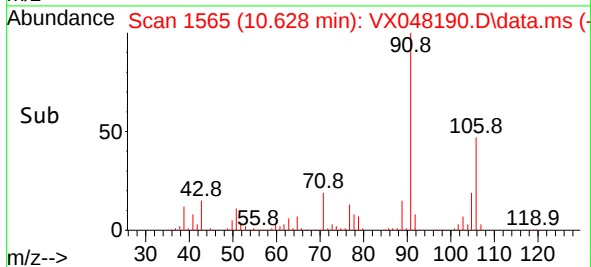
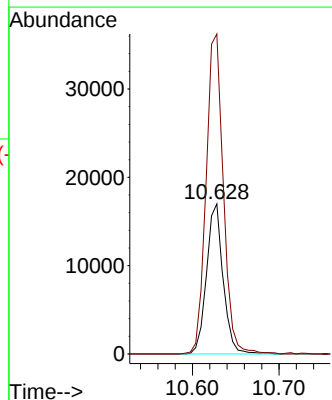
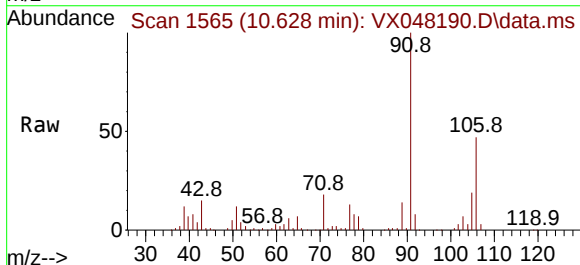
Manual Integrations
APPROVED

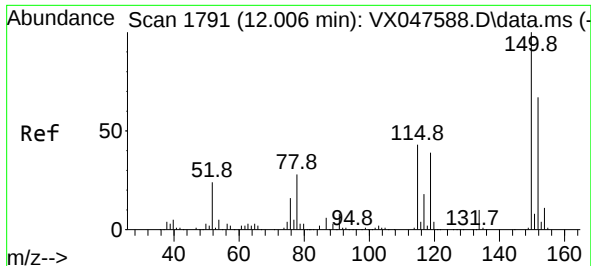
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#69
o-Xylene
Concen: 6.425 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

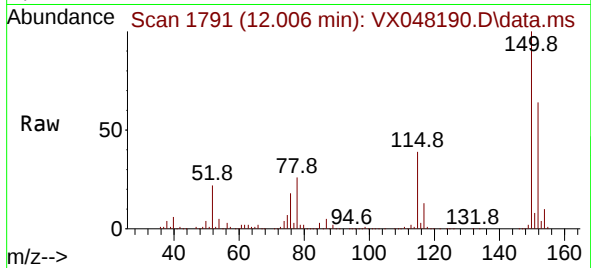
Tgt Ion:106 Resp: 22625
Ion Ratio Lower Upper
106 100
91 221.6 111.1 333.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

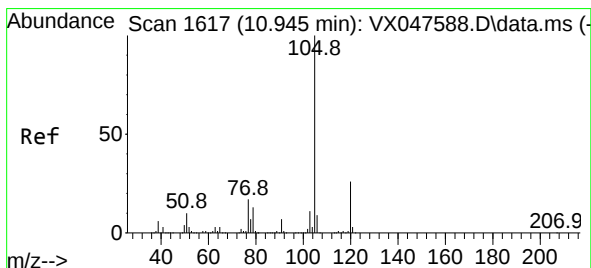
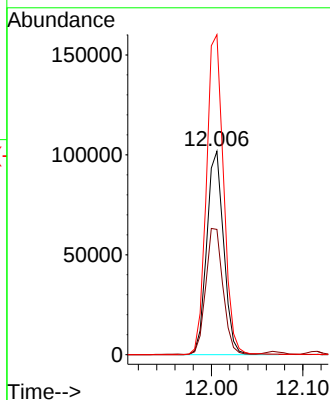
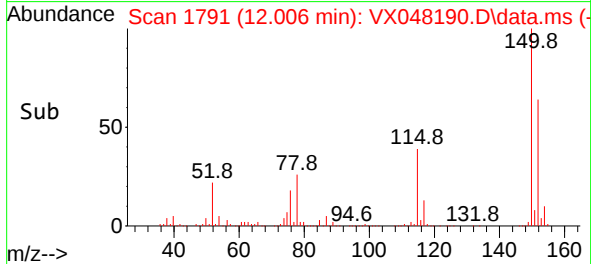
Instrument :
MSVOA_X
ClientSampleId :
M-R-SOIL



Tgt Ion:152 Resp: 130680
Ion Ratio Lower Upper
152 100
115 62.7 44.9 134.5
150 159.4 0.0 352.0

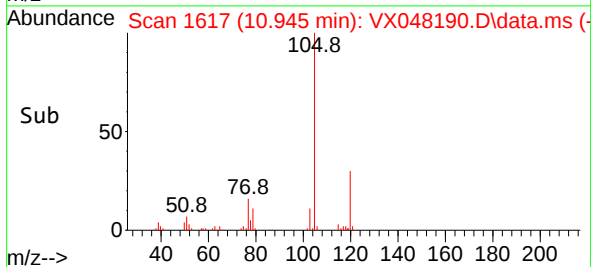
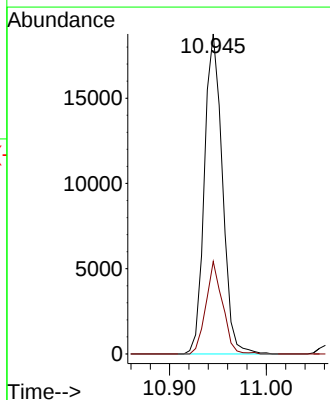
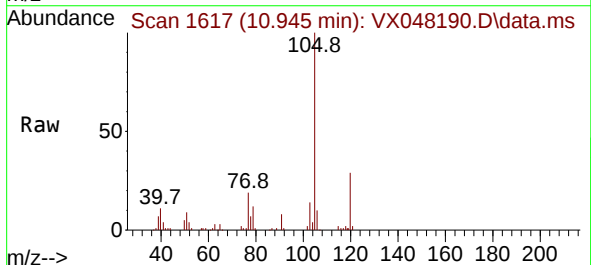
Manual Integrations
APPROVED

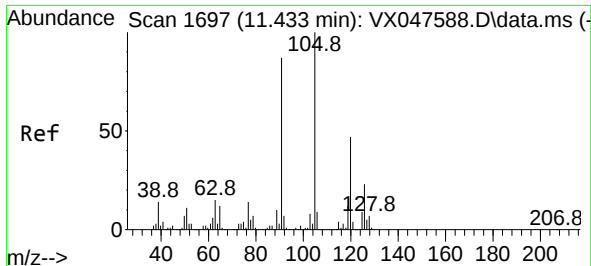
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#73
Isopropylbenzene
Concen: 2.441 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

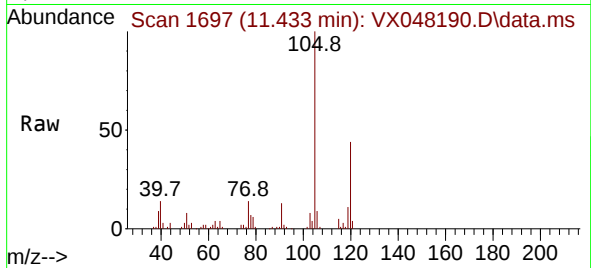
Tgt Ion:105 Resp: 24249
Ion Ratio Lower Upper
105 100
120 26.8 12.8 38.4





#80
1,3,5-Trimethylbenzene
Concen: 2.468 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56

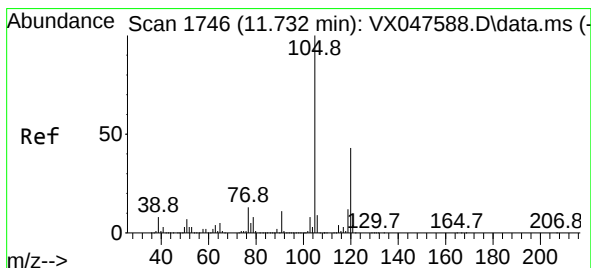
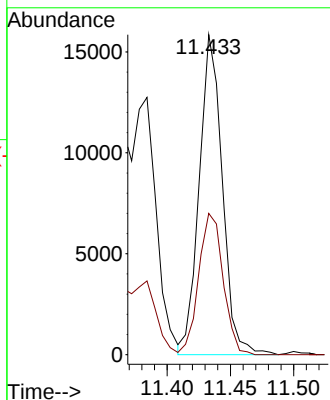
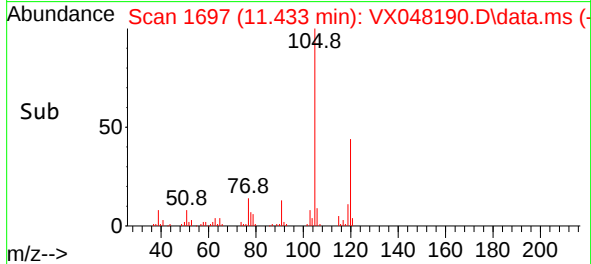
Instrument :
MSVOA_X
ClientSampleId :
M-R-SOIL



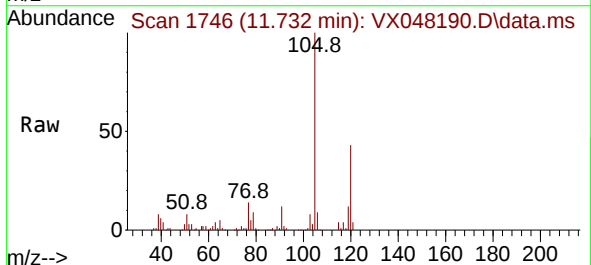
Tgt Ion:105 Resp: 2014
Ion Ratio Lower Upper
105 100
120 46.7 23.6 70.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#84
1,2,4-Trimethylbenzene
Concen: 7.115 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048190.D
Acq: 15 Oct 2025 14:56



Tgt Ion:105 Resp: 58885
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.1

