

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072525\
 Data File : VX047140.D
 Acq On : 25 Jul 2025 14:08
 Operator : JC/MD
 Sample : Q2655-01ME
 Misc : 4.56g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOILME

Quant Time: Jul 26 00:30:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	440279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	800109	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	727271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	318883	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	302573	55.169	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.340%	
35) Dibromofluoromethane	5.397	113	238412	48.260	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.520%	
50) Toluene-d8	8.653	98	881597	55.105	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 110.200%	
62) 4-Bromofluorobenzene	11.079	95	320261	46.452	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.900%	

Target Compounds

						Qvalue
16) Acetone	2.410	43	12734m	5.796	ug/l	
18) Methyl Acetate	2.727	43	8113	1.390	ug/l	98
31) Cyclohexane	5.483	56	132709	12.944	ug/l	95
39) Methylcyclohexane	7.385	83	326202	31.026	ug/l	100
40) Benzene	6.044	78	1228275	50.401	ug/l	99
52) Toluene	8.720	92	1892766	126.313	ug/l	97
67) Ethyl Benzene	10.195	91	996904	33.465	ug/l	100
68) m/p-Xylenes	10.299	106	1838871	164.954	ug/l	99
69) o-Xylene	10.640	106	851069	80.251	ug/l	98
73) Isopropylbenzene	10.964	105	154787	6.153	ug/l	99
78) n-propylbenzene	11.305	91	358314	11.919	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	951390	45.775	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	2059309	99.336	ug/l	99
85) sec-Butylbenzene	11.890	105	95061	3.647	ug/l	92
86) p-Isopropyltoluene	12.006	119	121501	5.621	ug/l	98
89) n-Butylbenzene	12.329	91	138463m	6.831	ug/l	
95) Naphthalene	13.774	128	16116731	759.338	ug/l #	84

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

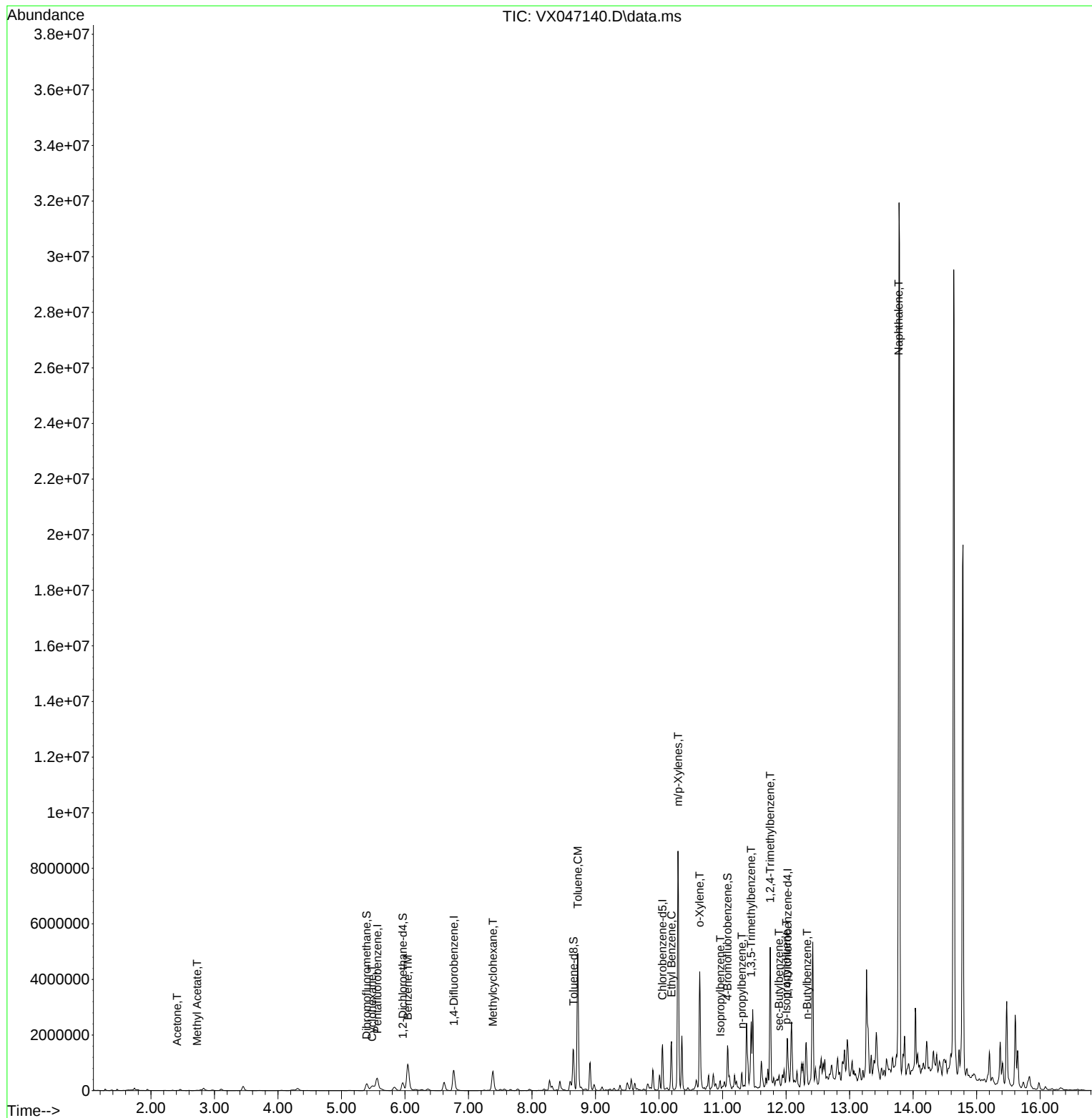
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072525\
Data File : VX047140.D
Acq On : 25 Jul 2025 14:08
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ALS Vial : 14 Sample Multiplier: 1

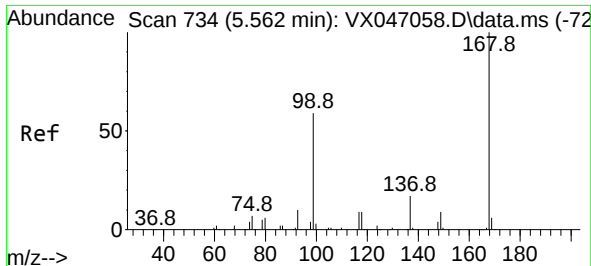
Instrument :
MSVOA_X
ClientSampleId :
SOILME

Quant Time: Jul 26 00:30:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

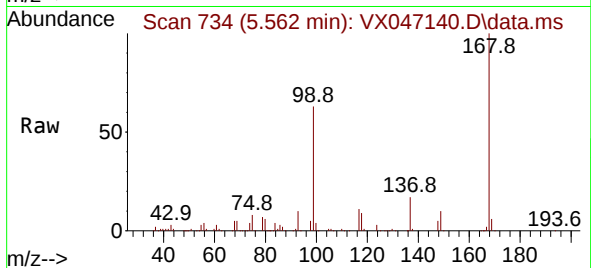
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

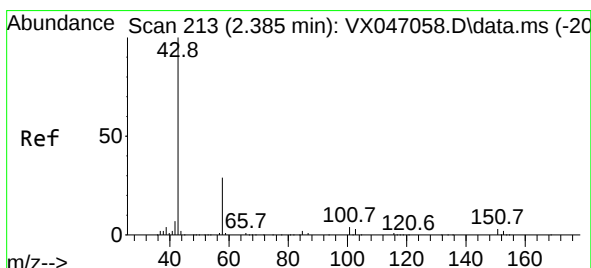
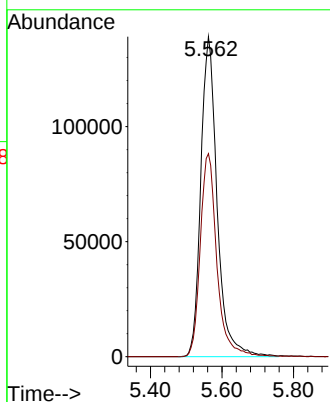
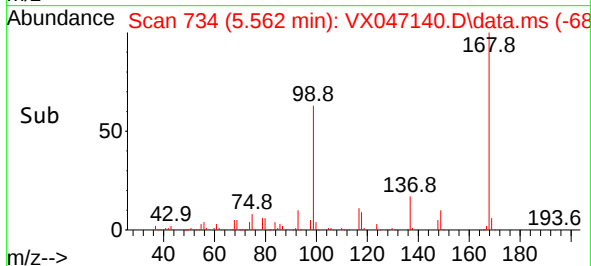
Instrument :
MSVOA_X
ClientSampleId :
SOILME



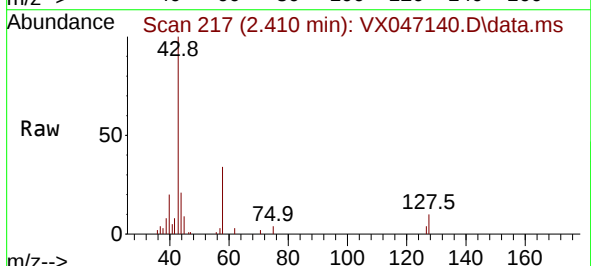
Tgt Ion:168 Resp: 440279
Ion Ratio Lower Upper
168 100
99 63.5 48.0 72.0

Manual Integrations
APPROVED

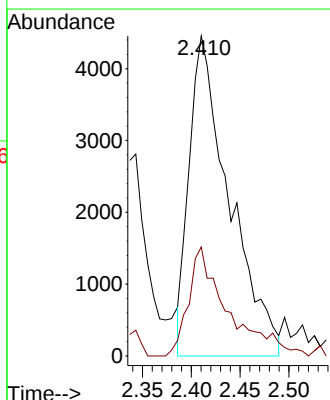
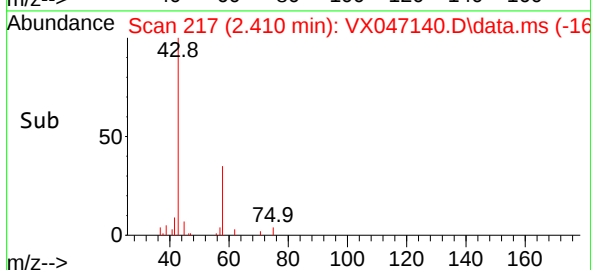
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

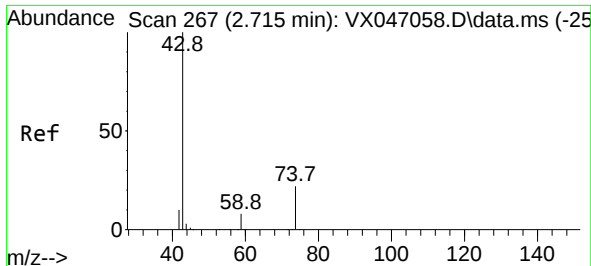


#16
Acetone
Concen: 5.796 ug/l m
RT: 2.410 min Scan# 217
Delta R.T. 0.025 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08



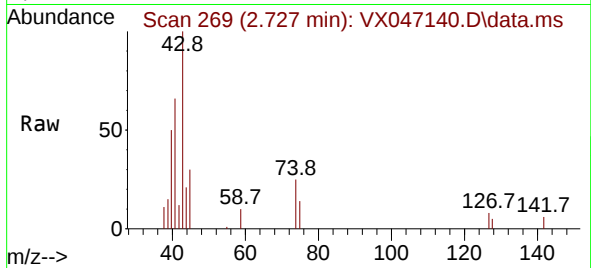
Tgt Ion: 43 Resp: 12734
Ion Ratio Lower Upper
43 100
58 34.0 24.0 36.0





#18
Methyl Acetate
Concen: 1.390 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.013 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

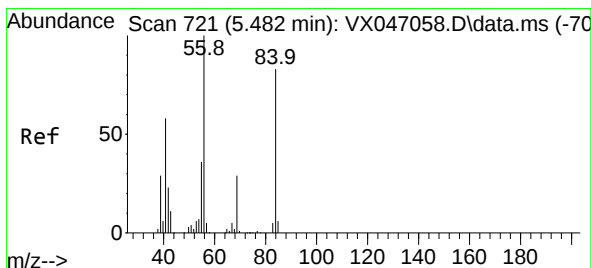
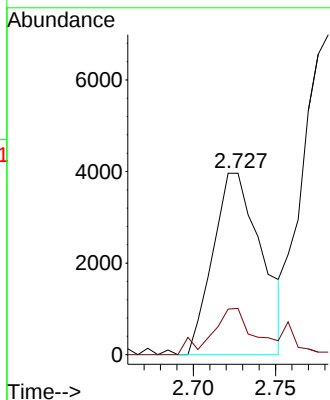
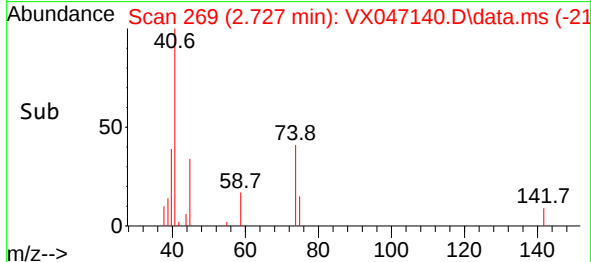
Instrument :
MSVOA_X
ClientSampleId :
SOILME



Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
74 21.1 17.7 26.5

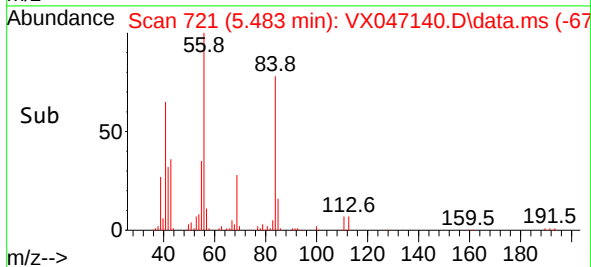
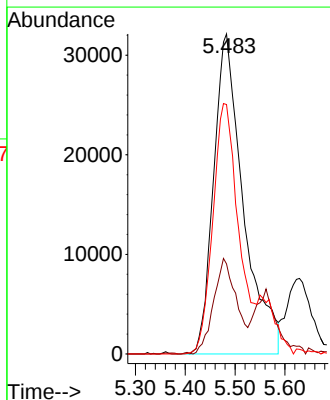
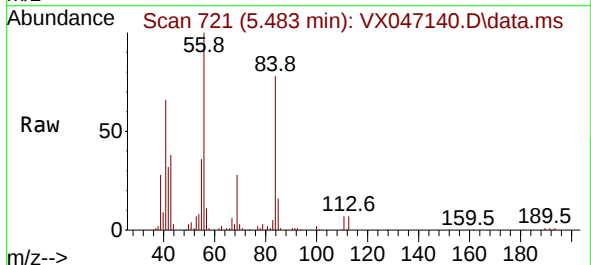
Manual Integrations
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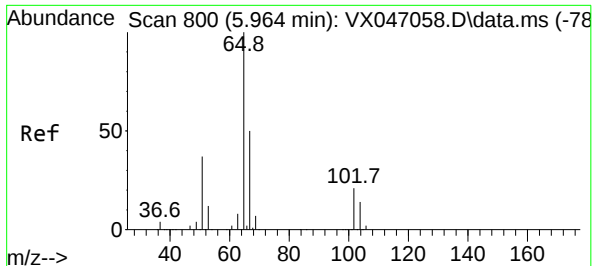
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#31
Cyclohexane
Concen: 12.944 ug/l
RT: 5.483 min Scan# 721
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

Tgt Ion: 56 Resp: 132709
Ion Ratio Lower Upper
56 100
69 28.2 23.3 34.9
84 78.0 66.5 99.7





#33

1,2-Dichloroethane-d4

Concen: 55.169 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047140.D

Acq: 25 Jul 2025 14:08

Instrument :

MSVOA_X

ClientSampleId :

SOILME

Tgt Ion: 65 Resp: 30257

Ion Ratio Lower Upper

65 100

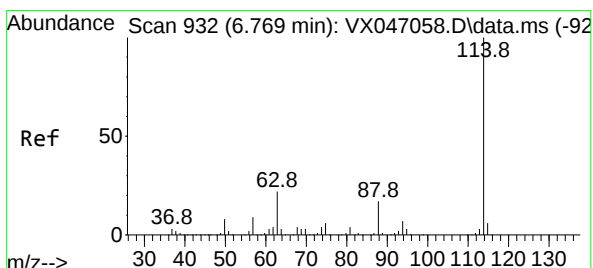
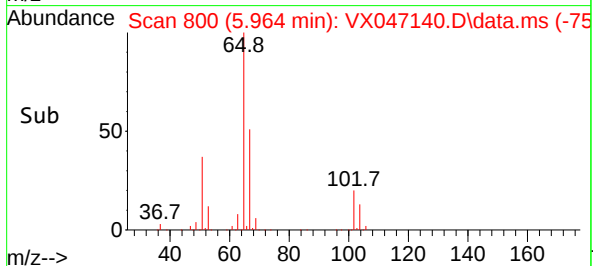
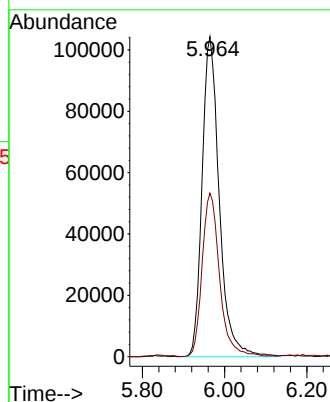
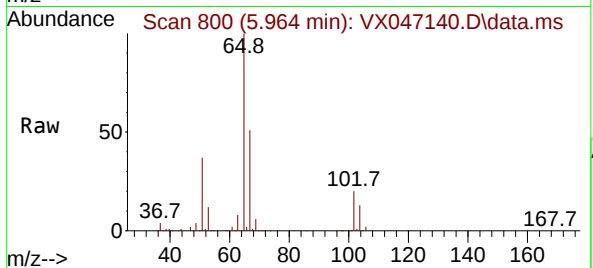
67 52.0 0.0 104.8

Manual Integrations

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Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047140.D

Acq: 25 Jul 2025 14:08

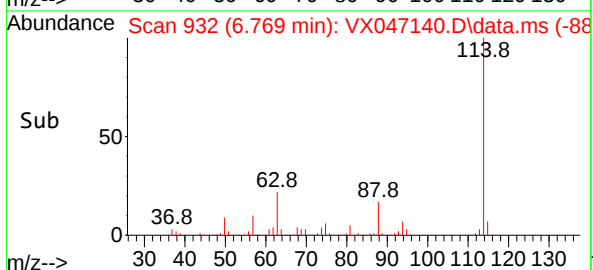
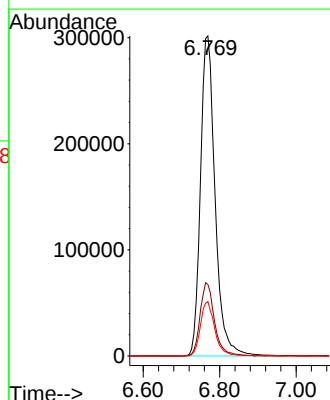
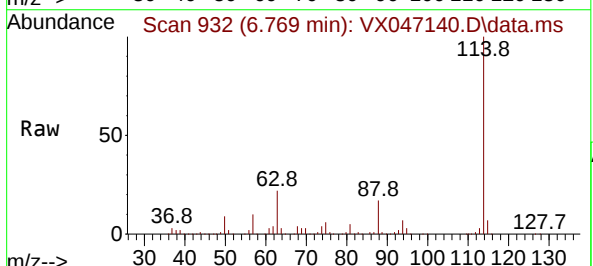
Tgt Ion:114 Resp: 800109

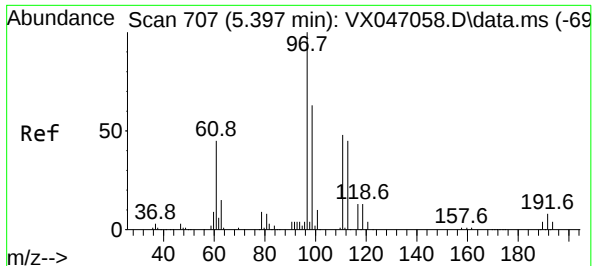
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

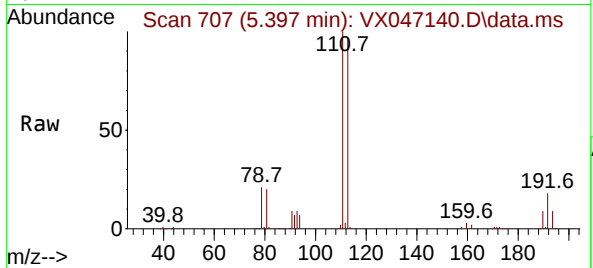
88 17.0 0.0 33.8





#35
Dibromofluoromethane
Concen: 48.260 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

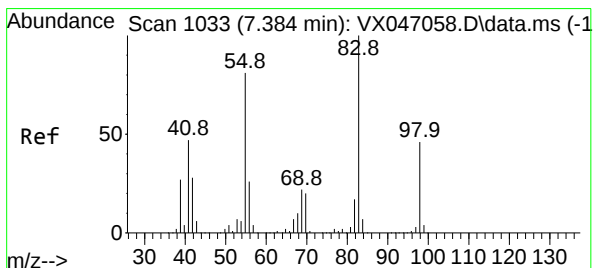
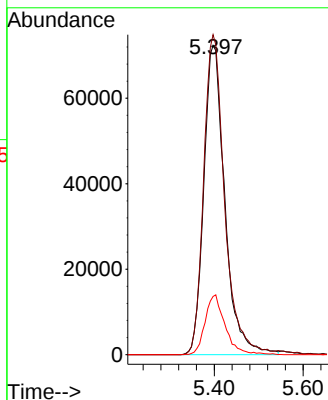
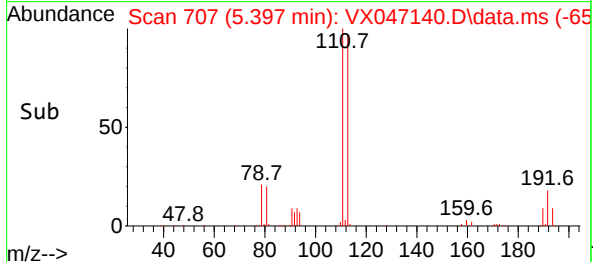
Instrument :
MSVOA_X
ClientSampleId :
SOILME



Tgt Ion: 113 Resp: 238412
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 18.5 14.9 22.3

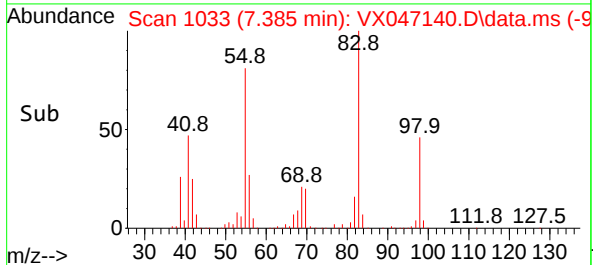
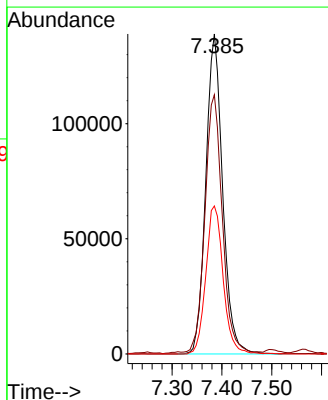
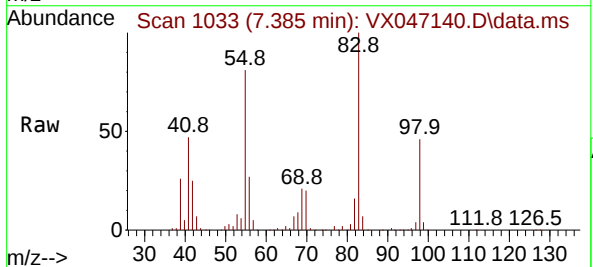
Manual Integrations
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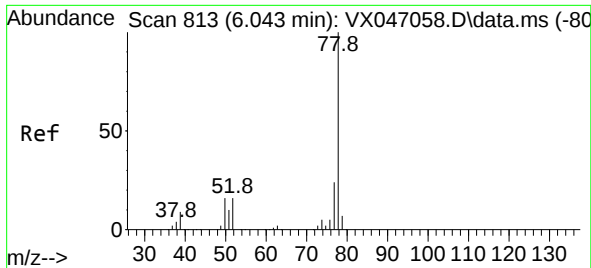
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#39
Methylcyclohexane
Concen: 31.026 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

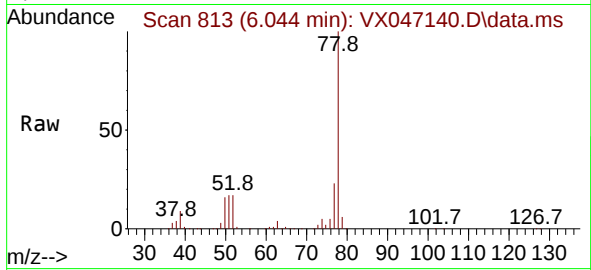
Tgt Ion: 83 Resp: 326202
Ion Ratio Lower Upper
83 100
55 80.3 64.5 96.7
98 46.2 36.9 55.3





#40
Benzene
Concen: 50.401 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

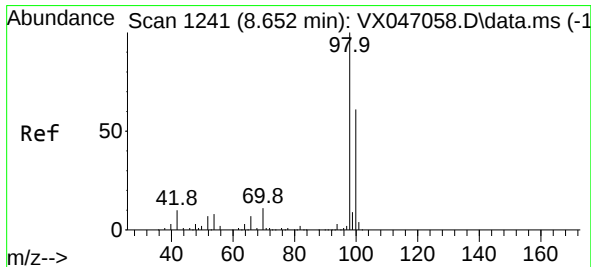
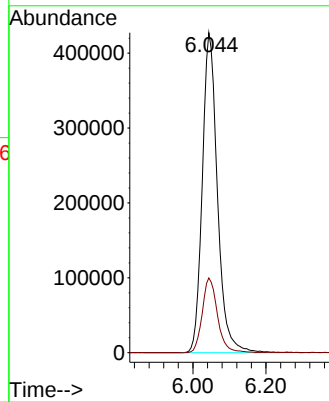
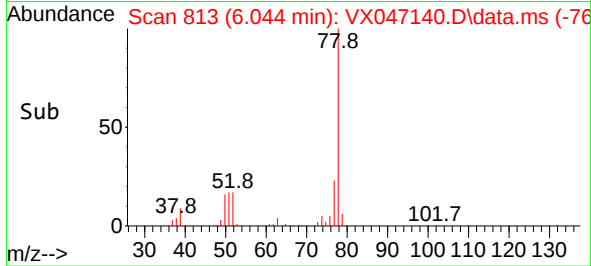
Instrument :
MSVOA_X
ClientSampleId :
SOILME



Tgt Ion: 78 Resp: 122827
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

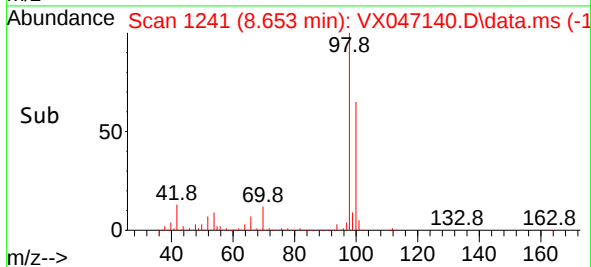
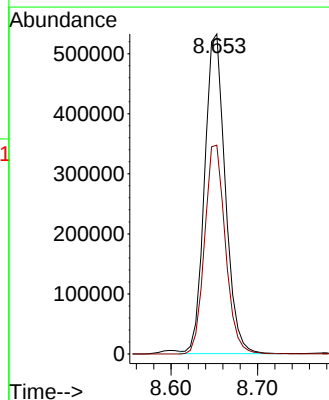
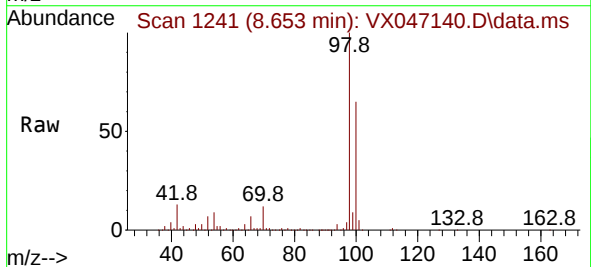
Manual Integrations
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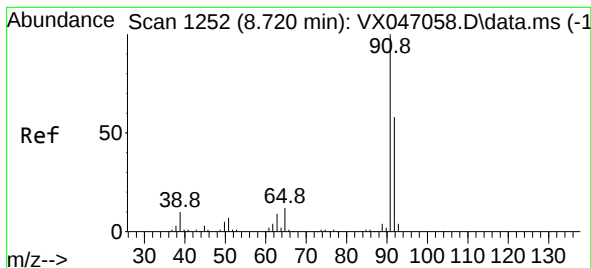
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#50
Toluene-d8
Concen: 55.105 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

Tgt Ion: 98 Resp: 881597
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9





#52

Toluene

Concen: 126.313 ug/l

RT: 8.720 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047140.D

Acq: 25 Jul 2025 14:08

Instrument :

MSVOA_X

ClientSampleId :

SOILME

Tgt Ion: 92 Resp: 189276

Ion Ratio Lower Upper

92 100

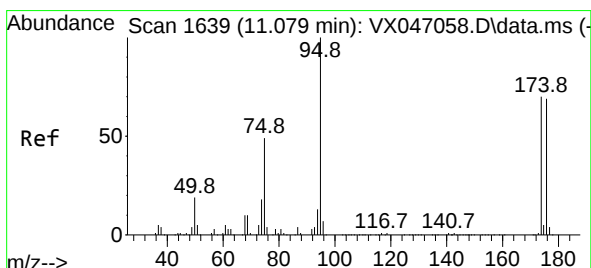
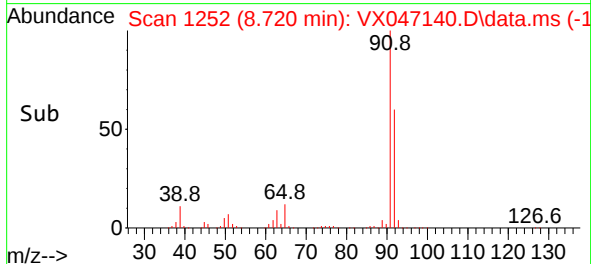
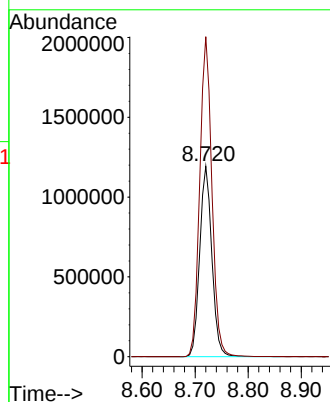
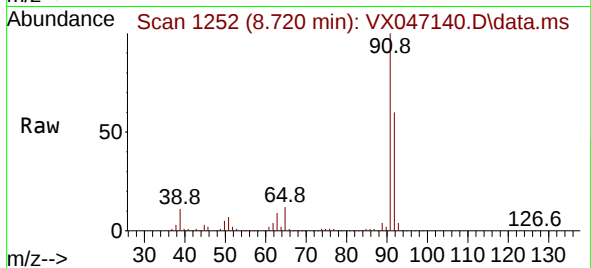
91 168.0 137.9 206.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#62

4-Bromofluorobenzene

Concen: 46.452 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047140.D

Acq: 25 Jul 2025 14:08

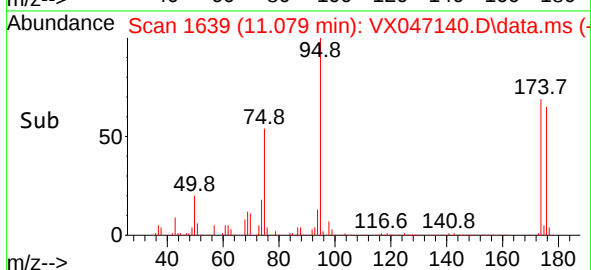
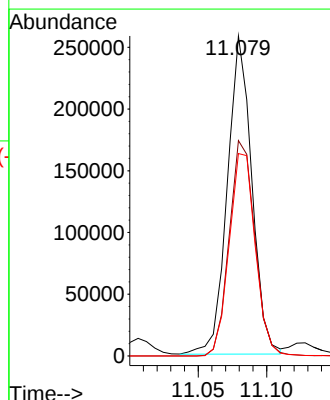
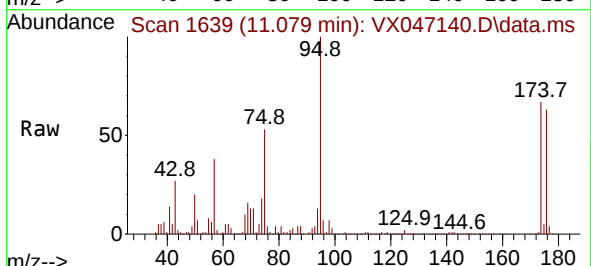
Tgt Ion: 95 Resp: 320261

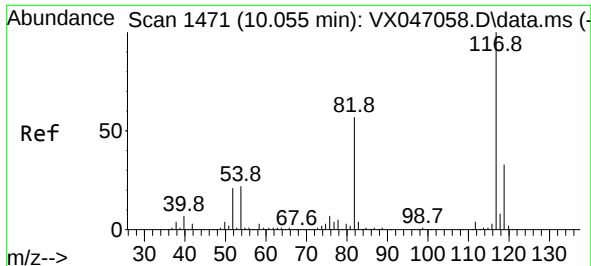
Ion Ratio Lower Upper

95 100

174 71.4 0.0 144.6

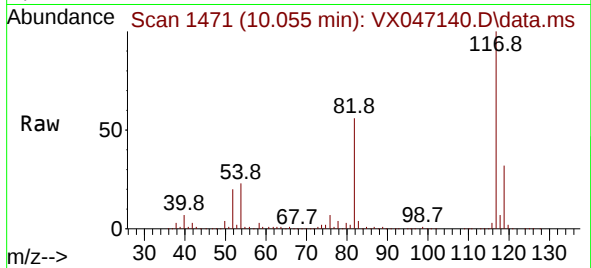
176 68.4 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

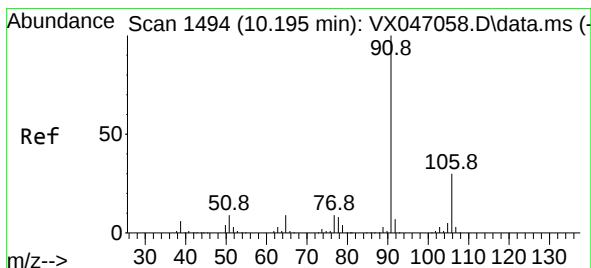
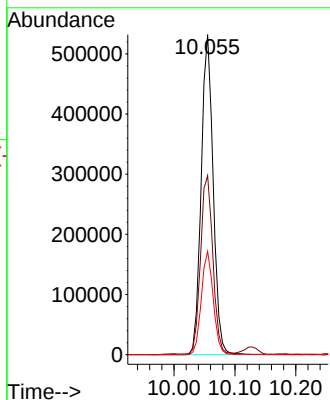
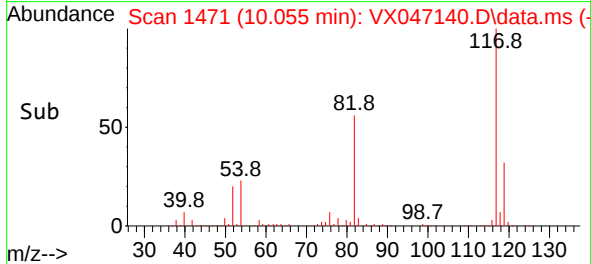
Instrument :
MSVOA_X
ClientSampleId :
SOILME



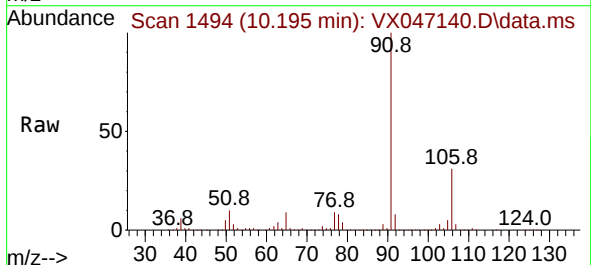
Tgt Ion:117 Resp: 727272
Ion Ratio Lower Upper
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119 32.3 26.1 39.1

Manual Integrations
APPROVED

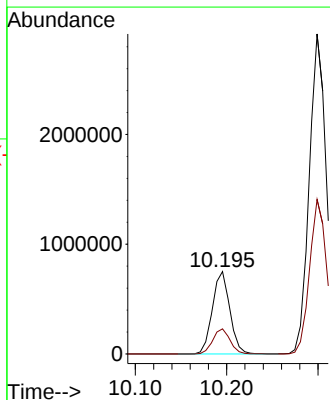
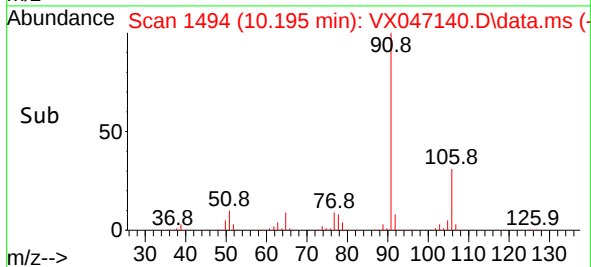
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

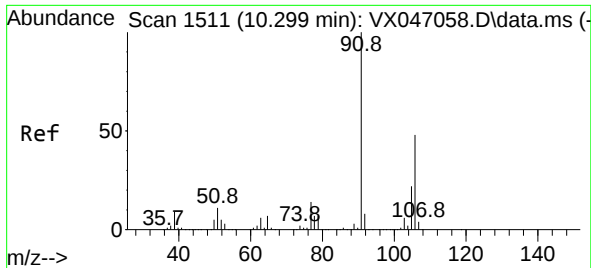


#67
Ethyl Benzene
Concen: 33.465 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08



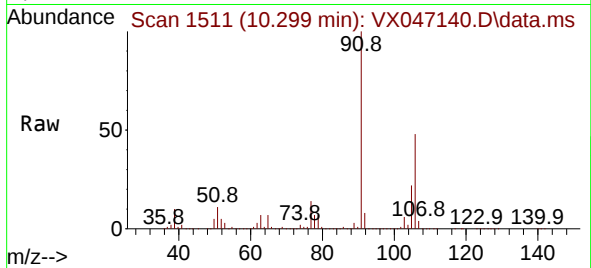
Tgt Ion: 91 Resp: 996904
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4





#68
m/p-Xylenes
Concen: 164.954 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

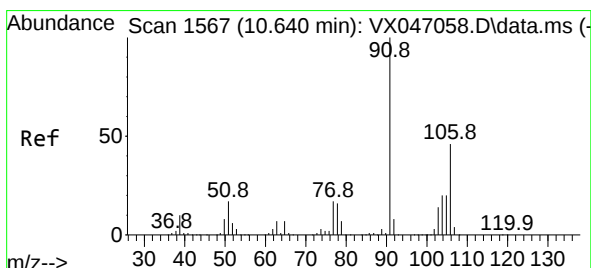
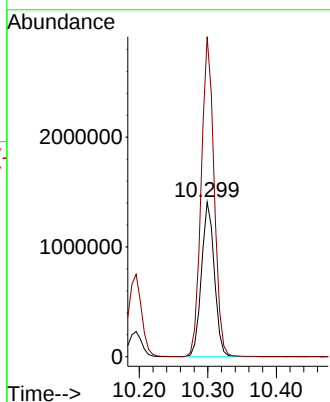
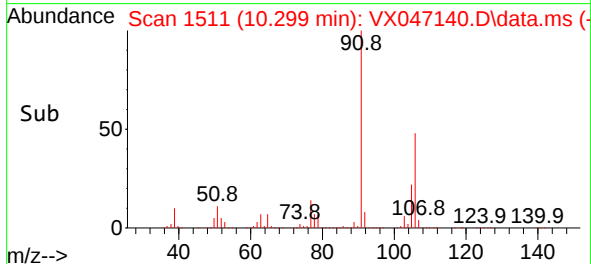
Instrument :
MSVOA_X
ClientSampleId :
SOILME



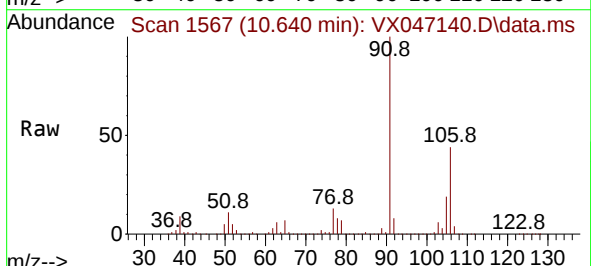
Tgt Ion:106 Resp: 183887
Ion Ratio Lower Upper
106 100
91 207.4 167.4 251.0

Manual Integrations
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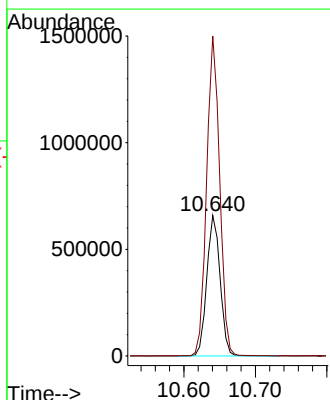
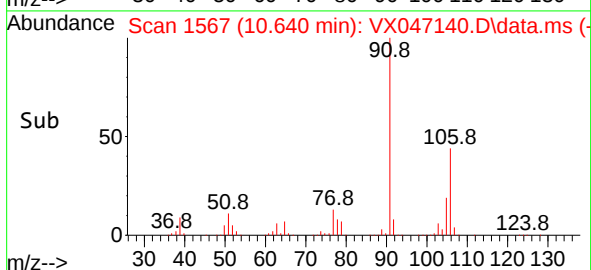
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

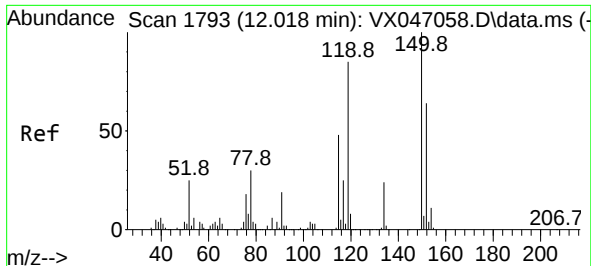


#69
o-Xylene
Concen: 80.251 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08



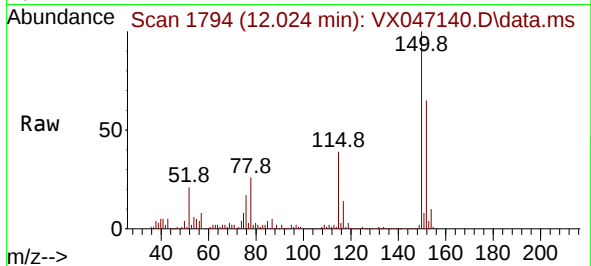
Tgt Ion:106 Resp: 851069
Ion Ratio Lower Upper
106 100
91 223.5 110.3 331.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1793
Delta R.T. 0.007 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

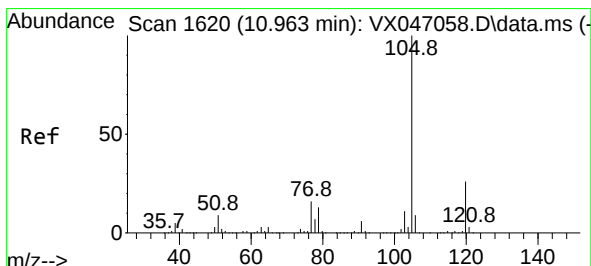
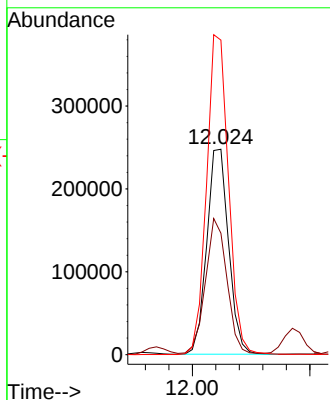
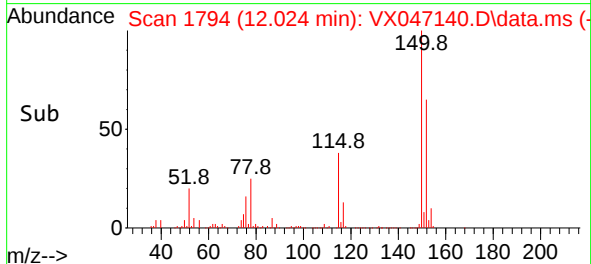
Instrument :
MSVOA_X
ClientSampleId :
SOILME



Tgt Ion:152 Resp: 31888
Ion Ratio Lower Upper
152 100
115 65.1 45.6 136.7
150 156.8 0.0 354.6

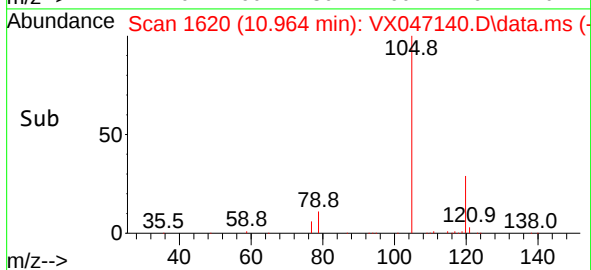
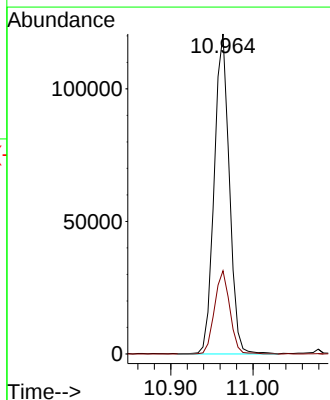
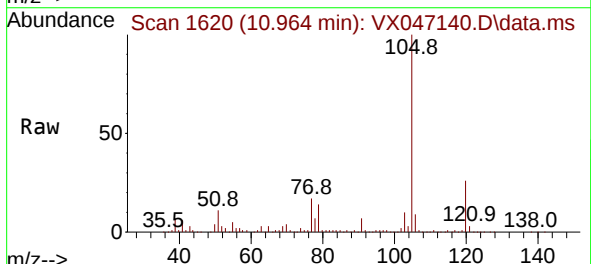
Manual Integrations
APPROVED

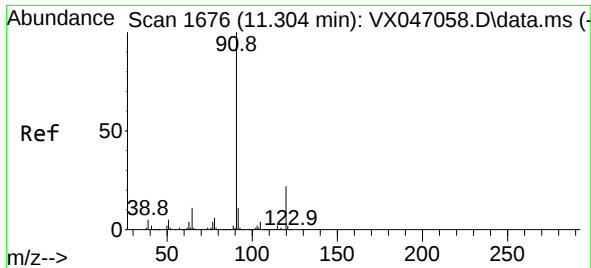
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#73
Isopropylbenzene
Concen: 6.153 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

Tgt Ion:105 Resp: 154787
Ion Ratio Lower Upper
105 100
120 26.2 12.9 38.7





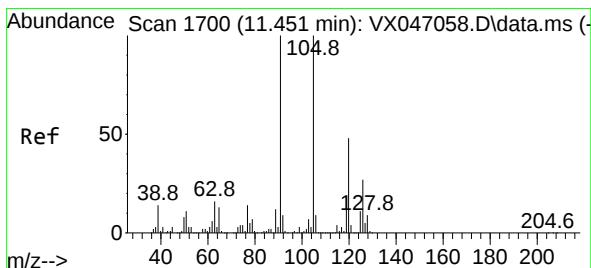
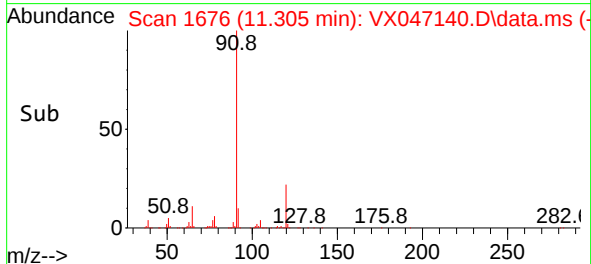
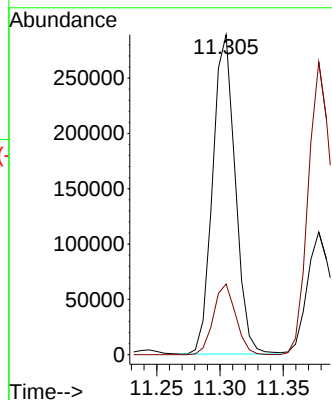
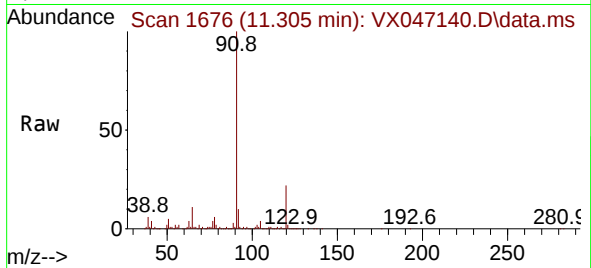
#78
n-propylbenzene
Concen: 11.919 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

Instrument :
MSVOA_X
ClientSampleId :
SOILME

Tgt Ion: 91 Resp: 358314
Ion Ratio Lower Upper
91 100
120 21.9 11.0 33.0

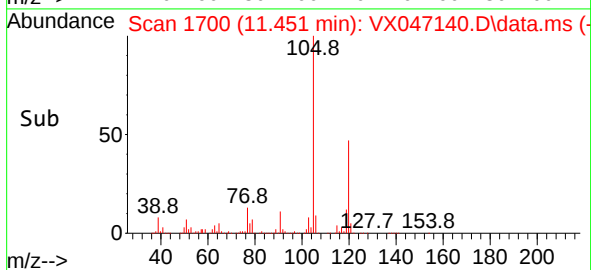
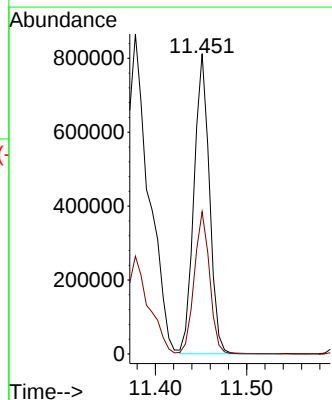
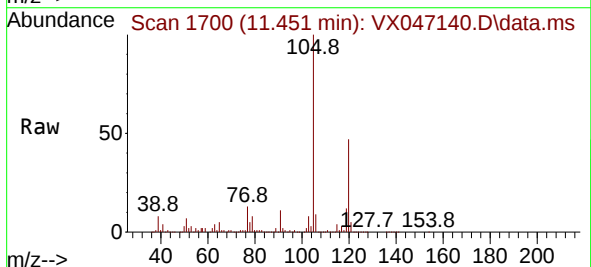
Manual Integrations
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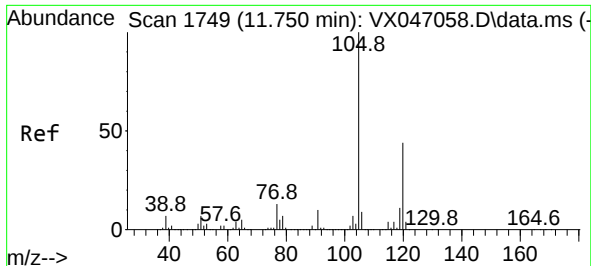
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 45.775 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

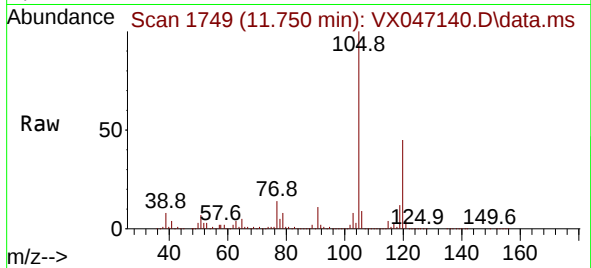
Tgt Ion:105 Resp: 951390
Ion Ratio Lower Upper
105 100
120 47.2 23.8 71.5





#84
1,2,4-Trimethylbenzene
Concen: 99.336 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

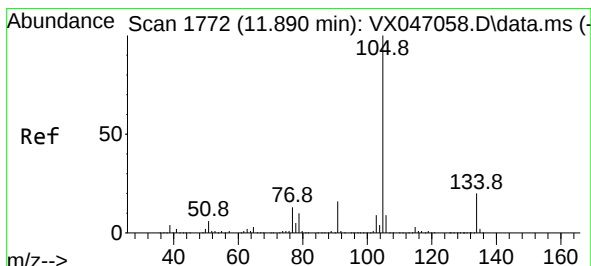
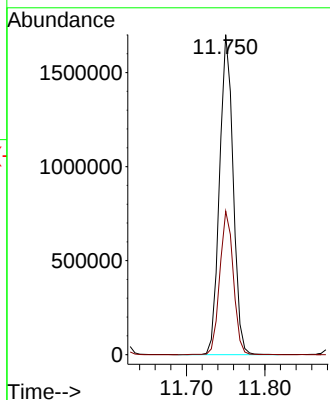
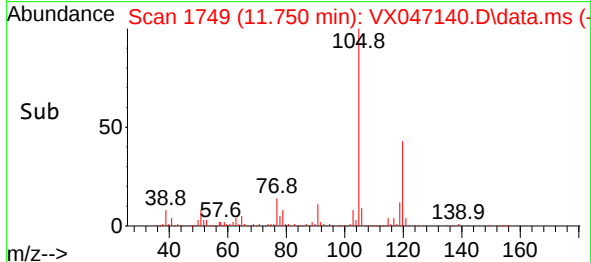
Instrument :
MSVOA_X
ClientSampleId :
SOILME



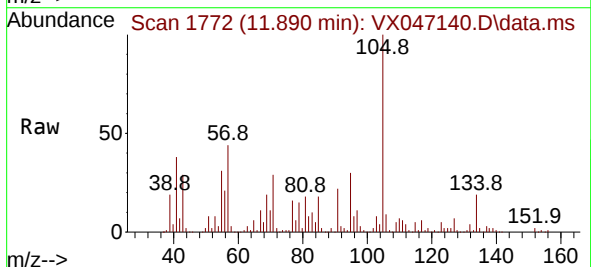
Tgt Ion:105 Resp: 2059309
Ion Ratio Lower Upper
105 100
120 44.7 22.0 66.0

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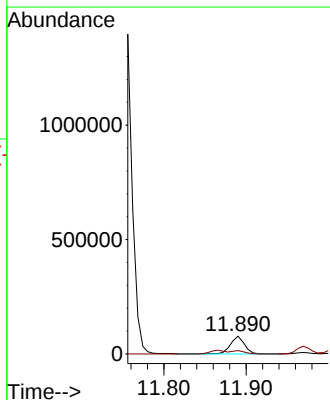
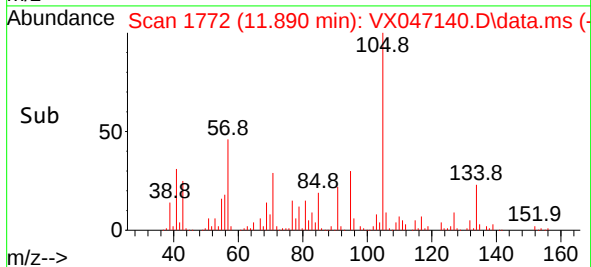
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

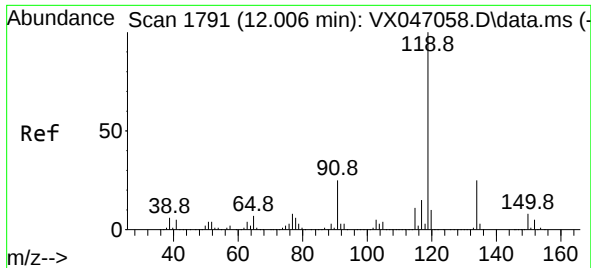


#85
sec-Butylbenzene
Concen: 3.647 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08



Tgt Ion:105 Resp: 95061
Ion Ratio Lower Upper
105 100
134 16.3 9.9 29.7





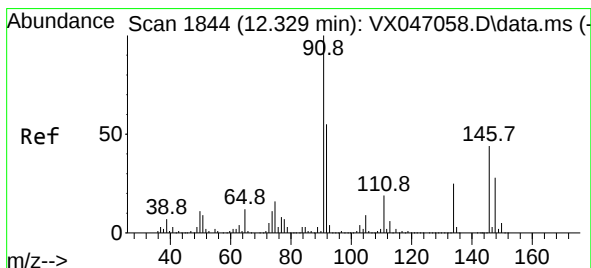
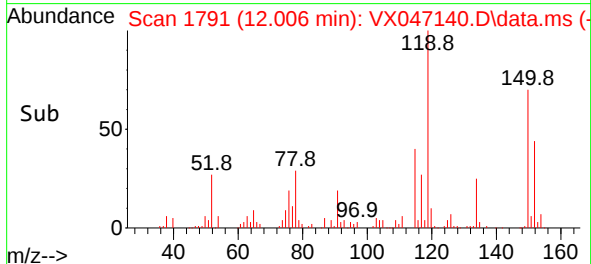
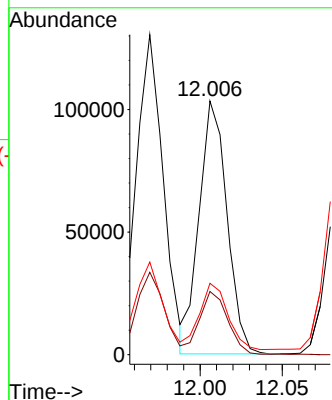
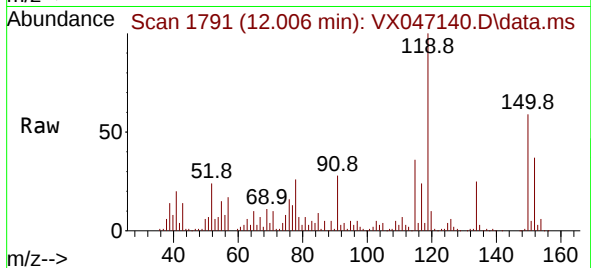
#86
p-Isopropyltoluene
Concen: 5.621 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

Instrument :
MSVOA_X
ClientSampleId :
SOILME

Tgt Ion: 119 Resp: 12150
Ion Ratio Lower Upper
119 100
134 25.8 12.8 38.4
91 26.4 12.4 37.4

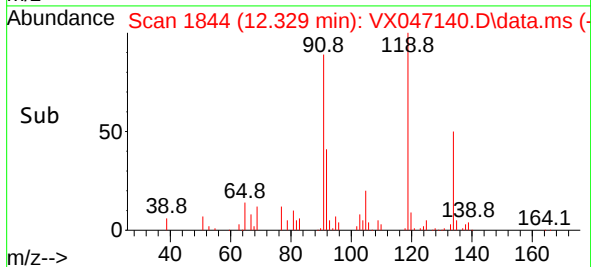
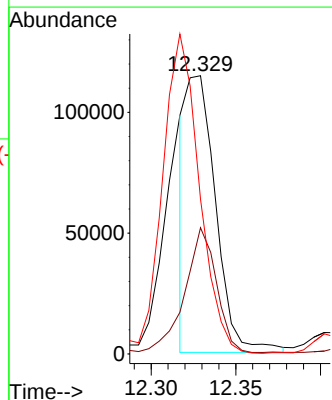
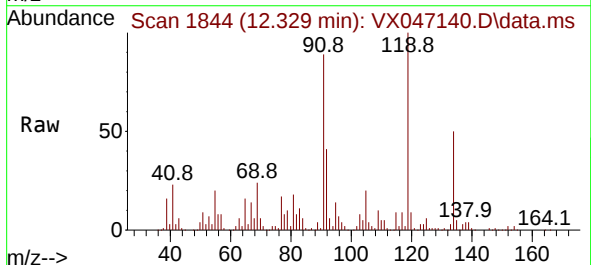
Manual Integrations
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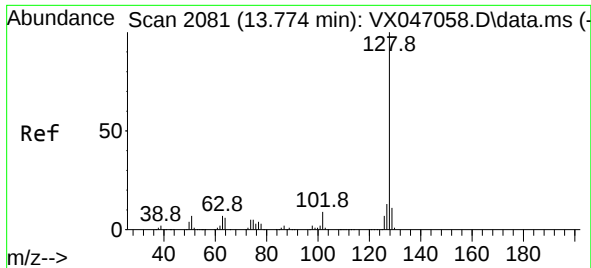
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#89
n-Butylbenzene
Concen: 6.831 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

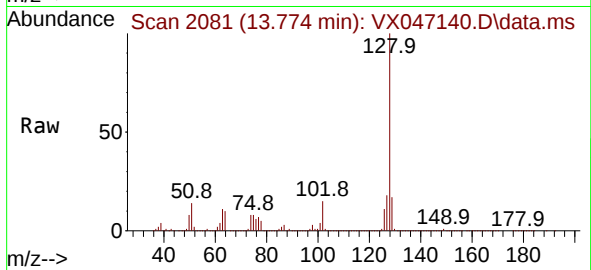
Tgt Ion: 91 Resp: 138463
Ion Ratio Lower Upper
91 100
92 48.6 27.5 82.5
134 142.0 12.8 38.3#





#95
Naphthalene
Concen: 759.338 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047140.D
Acq: 25 Jul 2025 14:08

Instrument :
MSVOA_X
ClientSampleId :
SOILME



Tgt Ion:128 Resp:1611673
Ion Ratio Lower Upper
128 100
127 18.9 10.1 15.1
129 17.2 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

