

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111225\  
 Data File : VX048576.D  
 Acq On : 12 Nov 2025 14:02  
 Operator : JC/MD  
 Sample : Q3574-01 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 304641-01 Liquid

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/14/2025  
 Supervised By : Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 00:28:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 08 05:08:11 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.538          | 168  | 175785     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.751          | 114  | 342013     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.037         | 117  | 348551     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.006         | 152  | 175601     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.946          | 65   | 113984     | 46.535   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 93.060%  |        |          |
| 35) Dibromofluoromethane    | 5.379          | 113  | 106236     | 41.040   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 82.080%  |        |          |
| 50) Toluene-d8              | 8.635          | 98   | 366848     | 45.440   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 90.880%# |        |          |
| 62) 4-Bromofluorobenzene    | 11.061         | 95   | 166194     | 55.238   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 110.480% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 16) Acetone                 | 2.380          | 43   | 6987       | 6.026    | ug/l   | 90       |
| 39) Methylcyclohexane       | 7.373          | 83   | 4537       | 1.166    | ug/l # | 90       |
| 44) Trichloroethene         | 7.117          | 130  | 18940      | 7.375    | ug/l   | 99       |
| 52) Toluene                 | 8.702          | 92   | 24722      | 4.370    | ug/l   | 99       |
| 67) Ethyl Benzene           | 10.177         | 91   | 34138      | 2.457    | ug/l   | 100      |
| 68) m/p-Xylenes             | 10.281         | 106  | 58521      | 11.185   | ug/l   | 97       |
| 69) o-Xylene                | 10.622         | 106  | 40467      | 7.905    | ug/l   | 98       |
| 73) Isopropylbenzene        | 10.945         | 105  | 5834       | 0.458    | ug/l   | 98       |
| 78) n-propylbenzene         | 11.287         | 91   | 47196      | 3.149    | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.433         | 105  | 73005      | 7.026    | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.732         | 105  | 275206     | 26.250   | ug/l   | 97       |
| 85) sec-Butylbenzene        | 11.872         | 105  | 12979      | 0.977    | ug/l   | 94       |
| 86) p-Isopropyltoluene      | 11.994         | 119  | 9448       | 0.846    | ug/l   | 94       |
| 89) n-Butylbenzene          | 12.311         | 91   | 68897m     | 6.576    | ug/l   |          |
| -----                       |                |      |            |          |        |          |

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

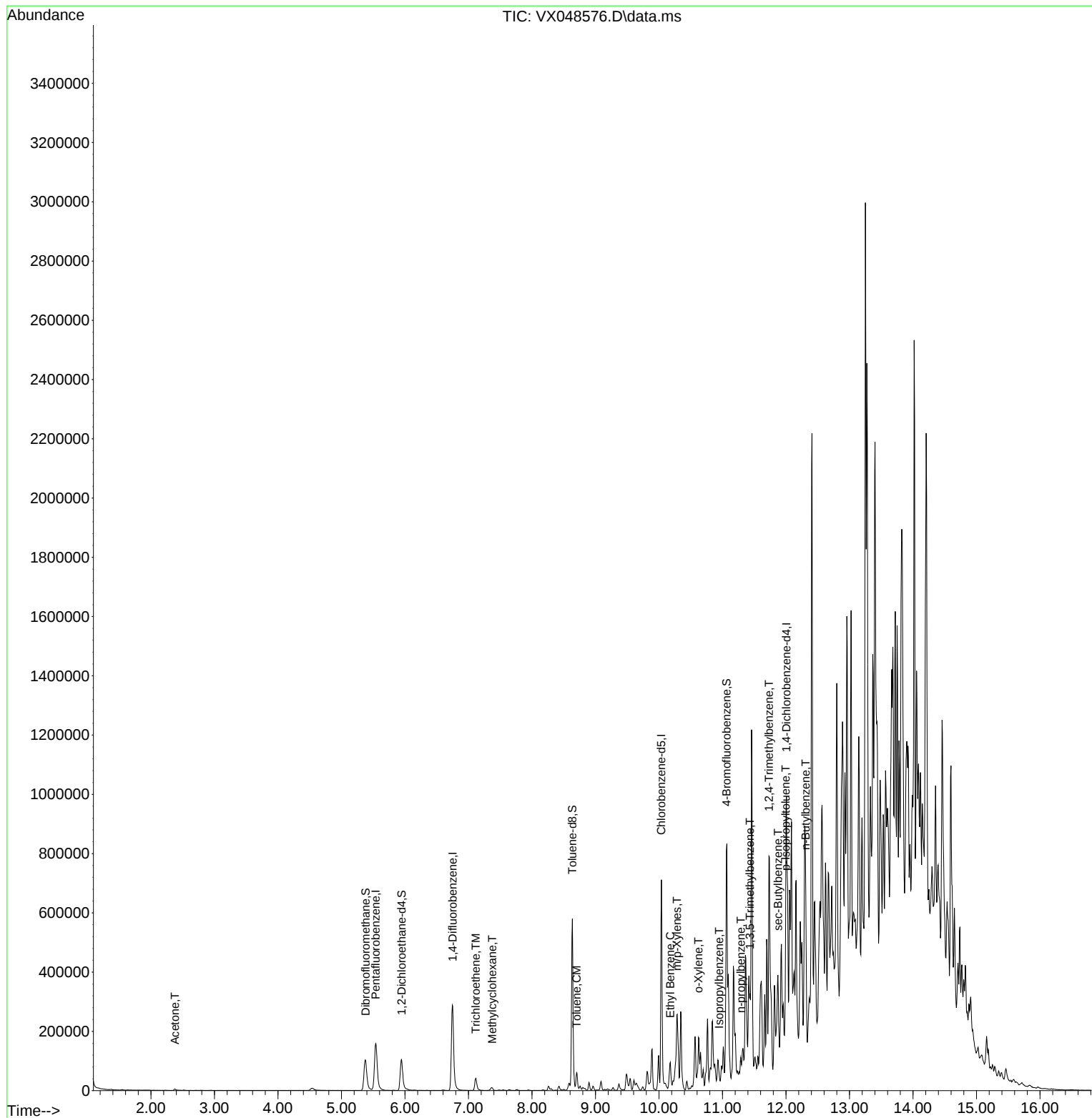
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111225\  
Data File : VX048576.D  
Acq On : 12 Nov 2025 14:02  
Operator : JC/MD  
Sample : Q3574-01 10X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

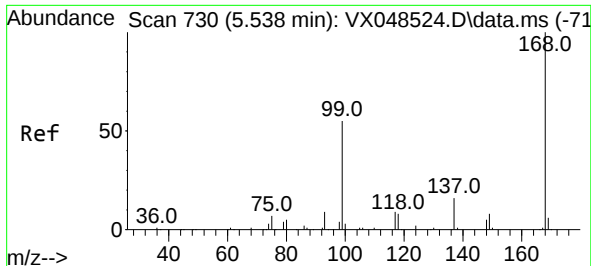
Instrument :  
MSVOA\_X  
ClientSampleId :  
304641-01 Liquid

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Supervised By : Mahesh Dadoda 11/17/2025

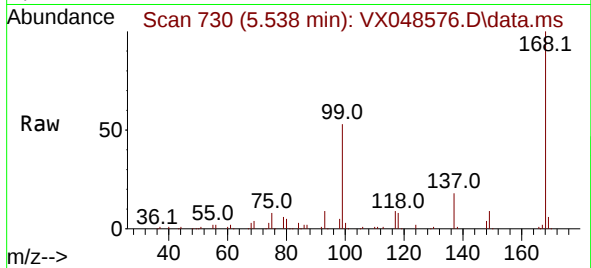
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 08 05:08:11 2025  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

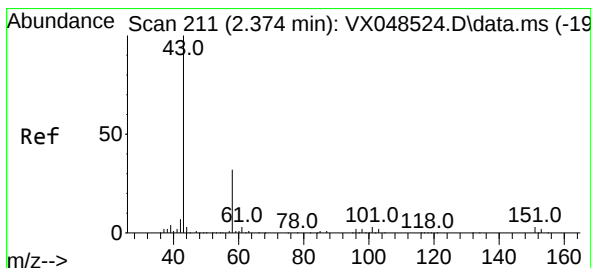
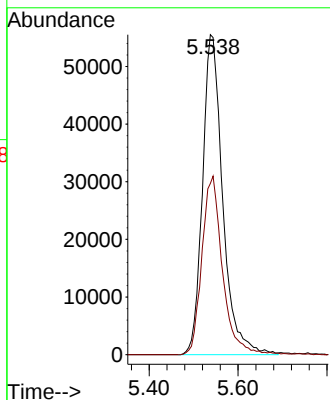
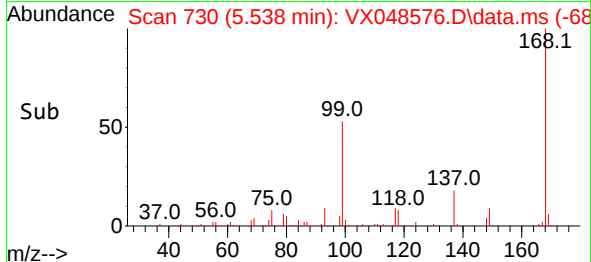
Instrument :  
MSVOA\_X  
ClientSampleId :  
304641-01 Liquid



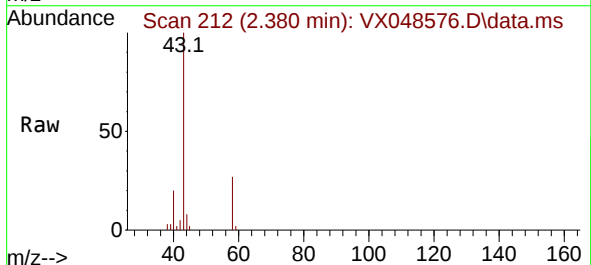
Tgt Ion:168 Resp: 17578  
Ion Ratio Lower Upper  
168 100  
99 53.5 45.2 67.8

Manual Integrations  
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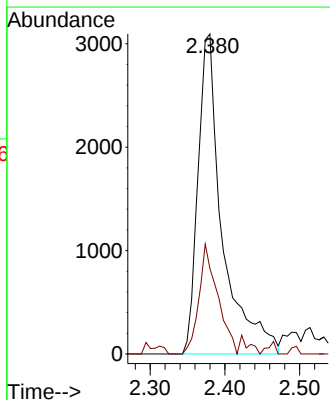
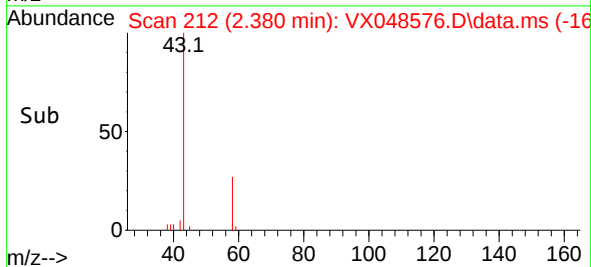
Reviewed By :John Carlone 11/14/2025  
Supervised By :Mahesh Dadoda 11/17/2025

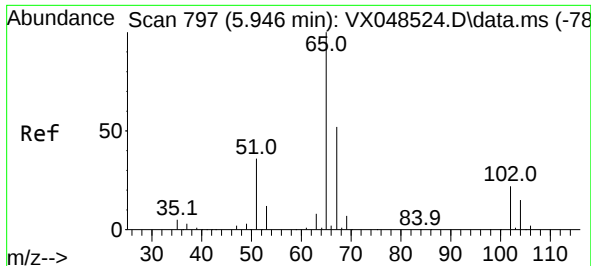


#16  
Acetone  
Concen: 6.026 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02



Tgt Ion: 43 Resp: 6987  
Ion Ratio Lower Upper  
43 100  
58 26.8 25.8 38.6





#33

1,2-Dichloroethane-d4

Concen: 46.535 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX048576.D

Acq: 12 Nov 2025 14:02

Instrument :

MSVOA\_X

ClientSampleId :

304641-01 Liquid

Tgt Ion: 65 Resp: 113984

Ion Ratio Lower Upper

65 100

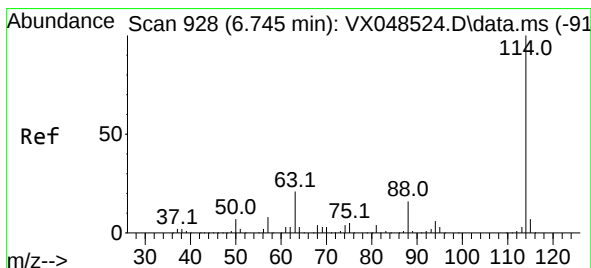
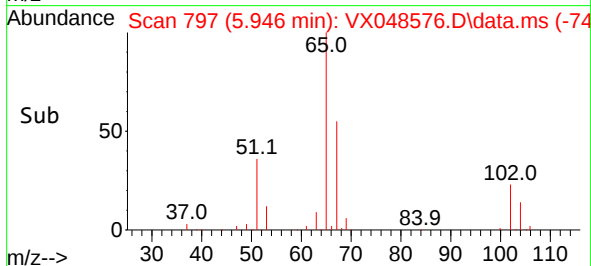
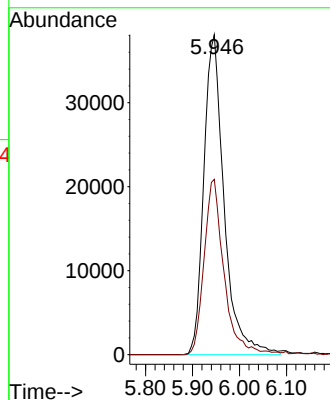
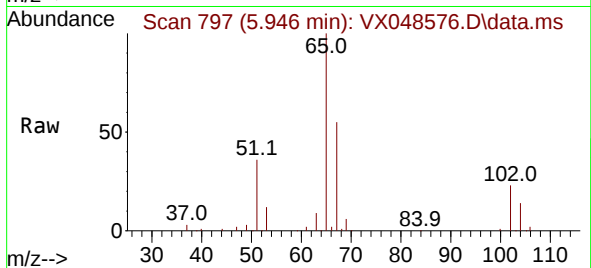
67 54.1 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048576.D

Acq: 12 Nov 2025 14:02

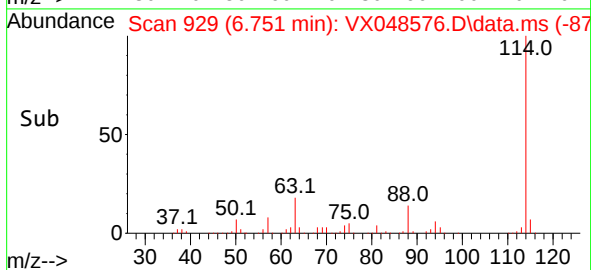
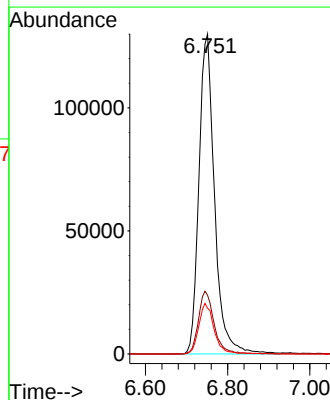
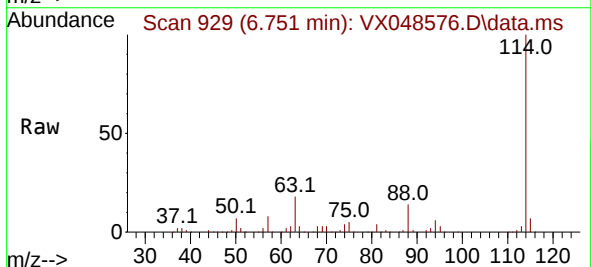
Tgt Ion:114 Resp: 342013

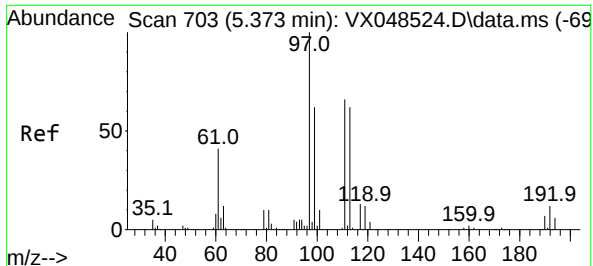
Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.2

88 14.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 41.040 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048576.D

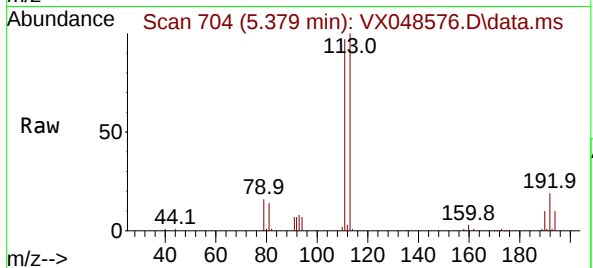
Acq: 12 Nov 2025 14:02

Instrument :

MSVOA\_X

ClientSampleId :

304641-01 Liquid



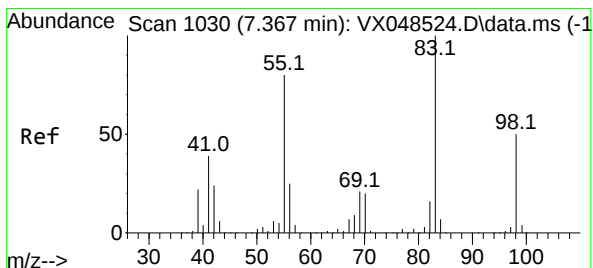
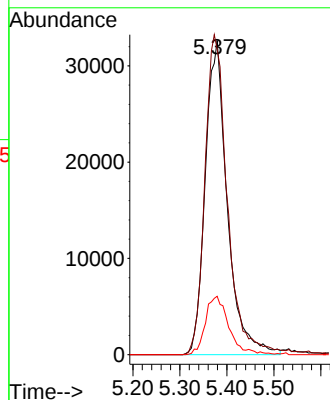
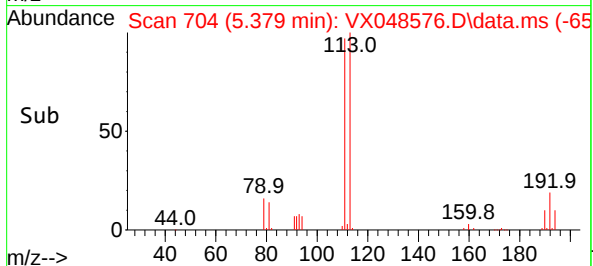
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 106230 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 104.6 | 81.9  | 122.9  |
| 192      | 19.8  | 15.8  | 23.6   |

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/17/2025



#39

Methylcyclohexane

Concen: 1.166 ug/l

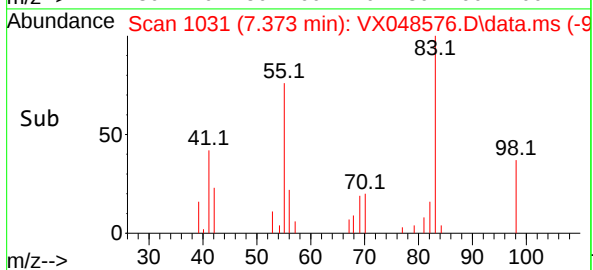
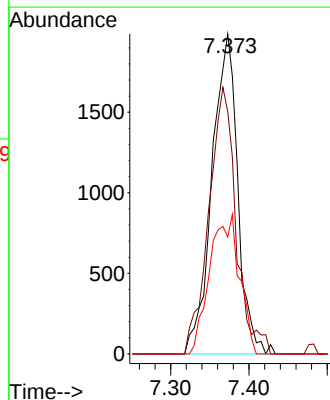
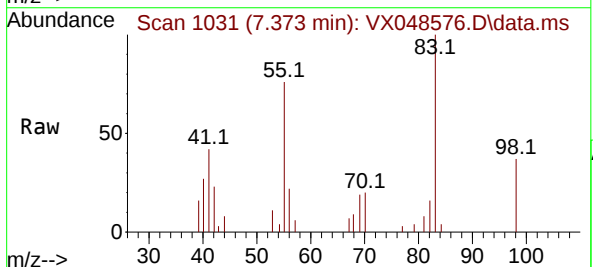
RT: 7.373 min Scan# 1031

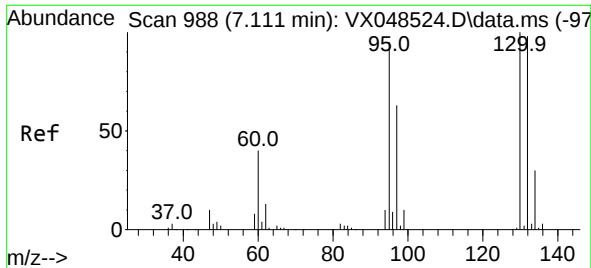
Delta R.T. 0.006 min

Lab File: VX048576.D

Acq: 12 Nov 2025 14:02

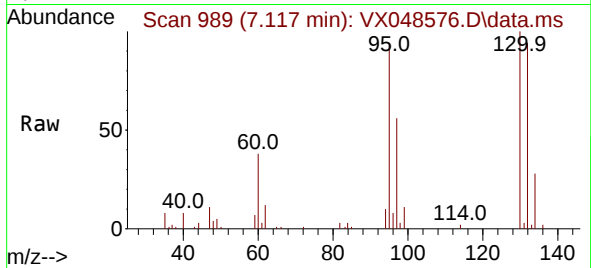
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 4537  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 75.8  | 63.8  | 95.6  |
| 98       | 36.6  | 40.3  | 60.5  |





#44  
Trichloroethene  
Concen: 7.375 ug/l  
RT: 7.117 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

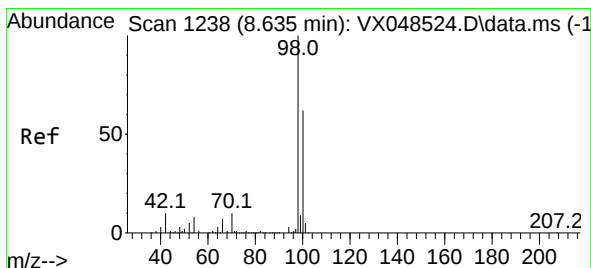
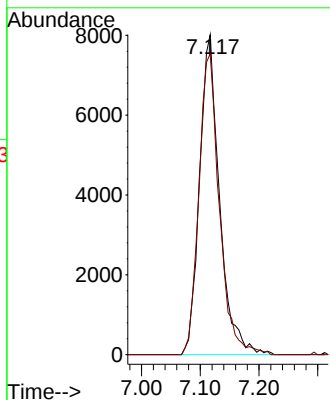
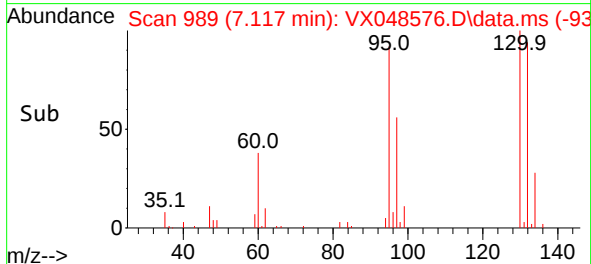
Instrument :  
MSVOA\_X  
ClientSampleId :  
304641-01 Liquid



Tgt Ion:130 Resp: 18940  
Ion Ratio Lower Upper  
130 100  
95 94.1 0.0 190.2

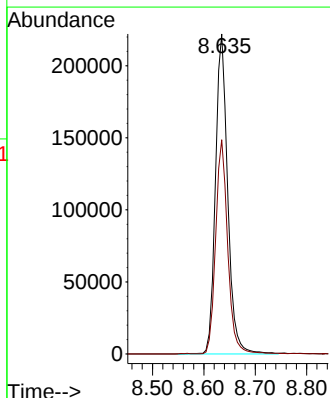
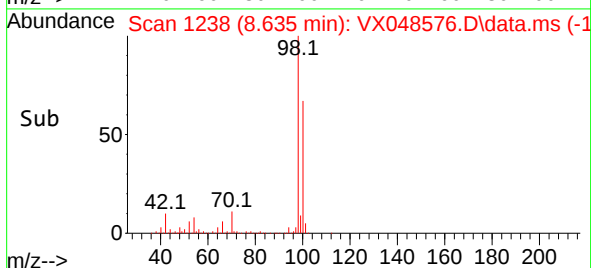
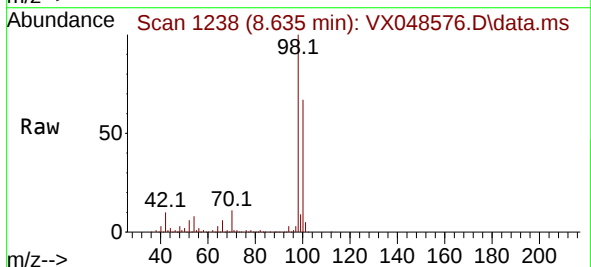
Manual Integrations  
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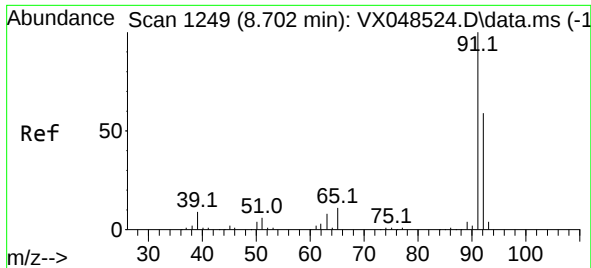
Reviewed By :John Carlone 11/14/2025  
Supervised By :Mahesh Dadoda 11/17/2025



#50  
Toluene-d8  
Concen: 45.440 ug/l  
RT: 8.635 min Scan# 1238  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

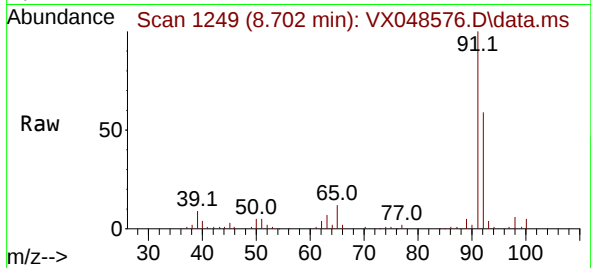
Tgt Ion: 98 Resp: 366848  
Ion Ratio Lower Upper  
98 100  
100 65.9 53.6 80.4





#52  
Toluene  
Concen: 4.370 ug/l  
RT: 8.702 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

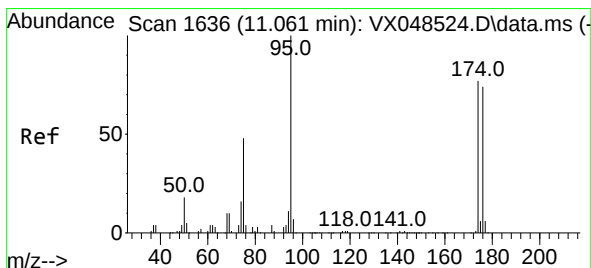
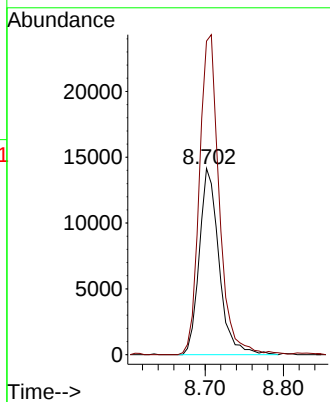
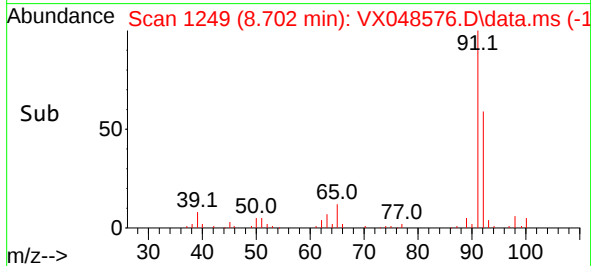
Instrument :  
MSVOA\_X  
ClientSampleId :  
304641-01 Liquid



Tgt Ion: 92 Resp: 2472  
Ion Ratio Lower Upper  
92 100  
91 172.7 137.0 205.6

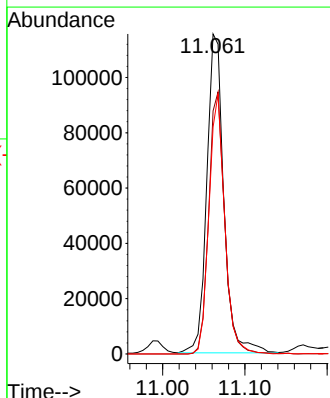
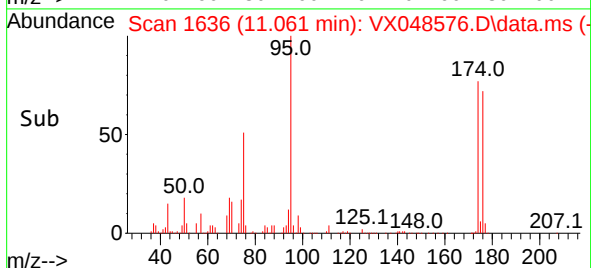
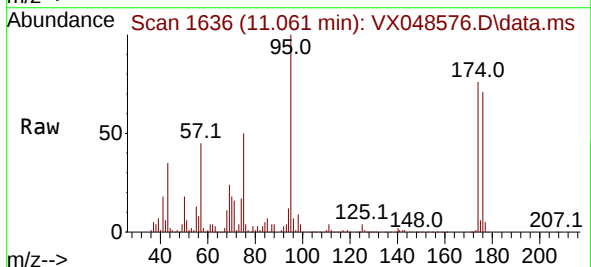
Manual Integrations  
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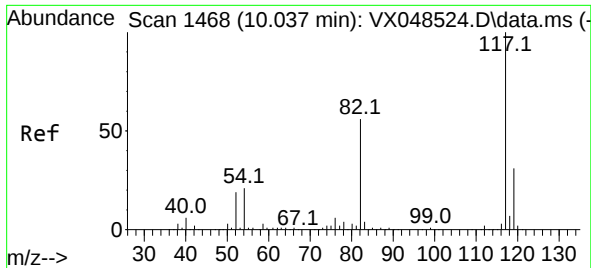
Reviewed By :John Carlone 11/14/2025  
Supervised By :Mahesh Dadoda 11/17/2025



#62  
4-Bromofluorobenzene  
Concen: 55.238 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

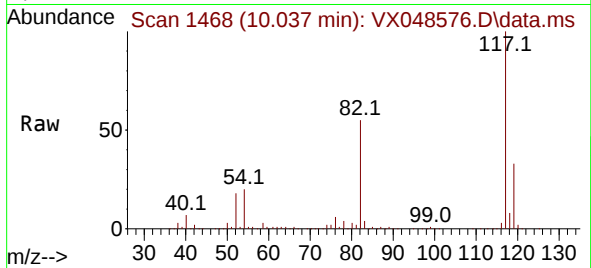
Tgt Ion: 95 Resp: 166194  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 161.8  
176 75.4 0.0 153.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

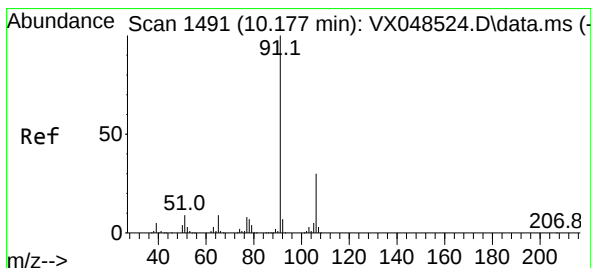
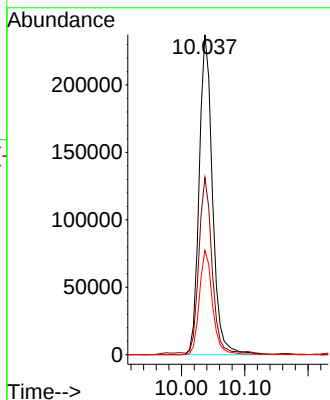
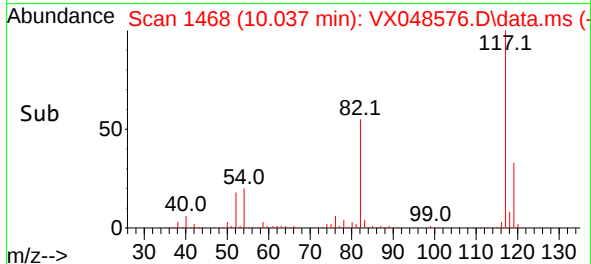
Instrument :  
MSVOA\_X  
ClientSampleId :  
304641-01 Liquid



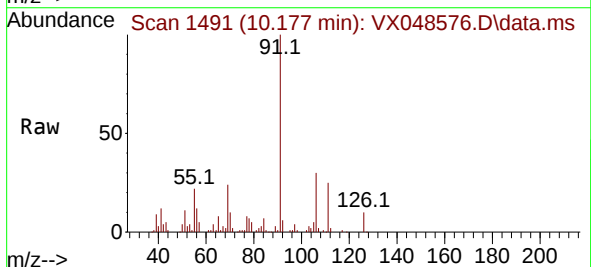
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Ion Ratio Lower Upper  
117 100  
82 55.1 44.4 66.6  
119 32.6 25.1 37.7

Manual Integrations  
APPROVED

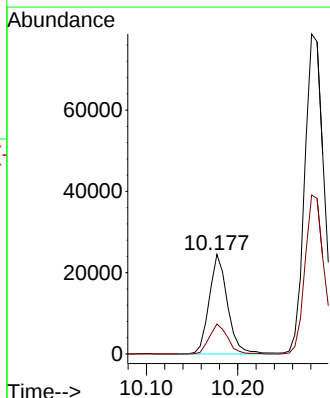
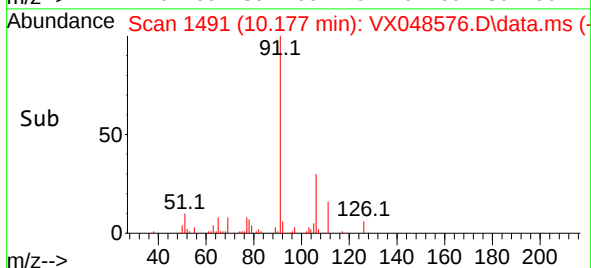
Reviewed By :John Carlone 11/14/2025  
Supervised By :Mahesh Dadoda 11/17/2025

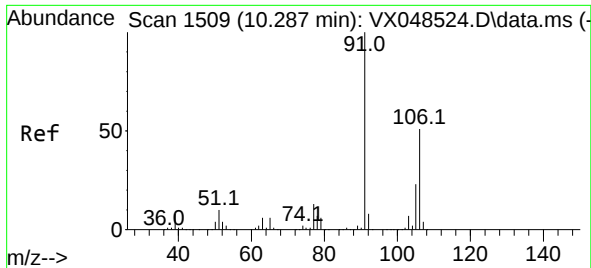


#67  
Ethyl Benzene  
Concen: 2.457 ug/l  
RT: 10.177 min Scan# 1491  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02



Tgt Ion: 91 Resp: 34138  
Ion Ratio Lower Upper  
91 100  
106 30.1 24.1 36.1





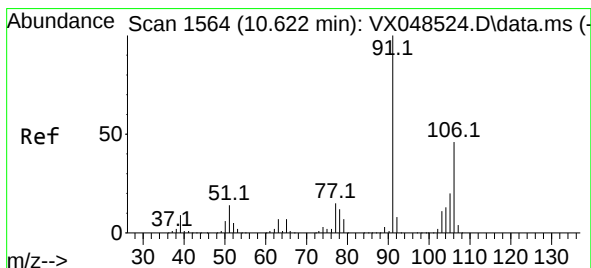
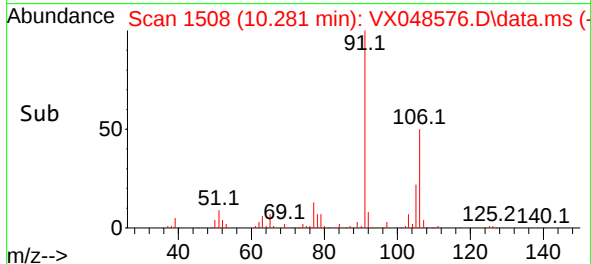
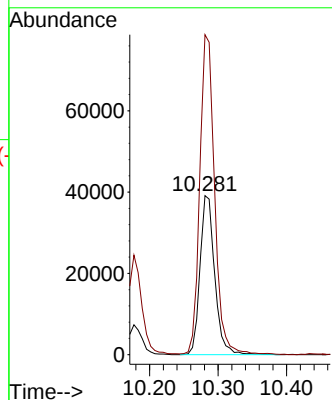
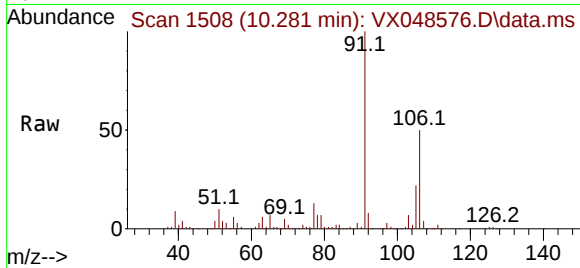
#68  
m/p-Xylenes  
Concen: 11.185 ug/l  
RT: 10.281 min Scan# 1509  
Delta R.T. -0.006 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

Instrument :  
MSVOA\_X  
ClientSampleId :  
304641-01 Liquid

Tgt Ion:106 Resp: 5852  
Ion Ratio Lower Upper  
106 100  
91 203.9 159.6 239.4

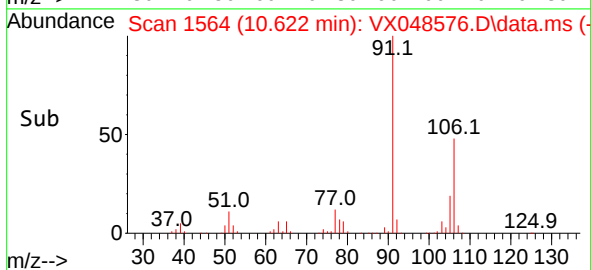
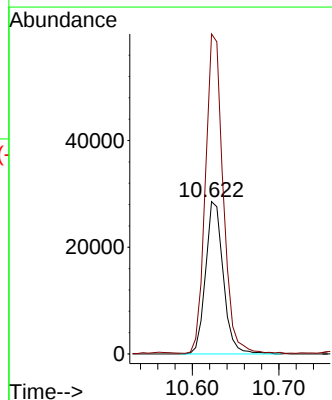
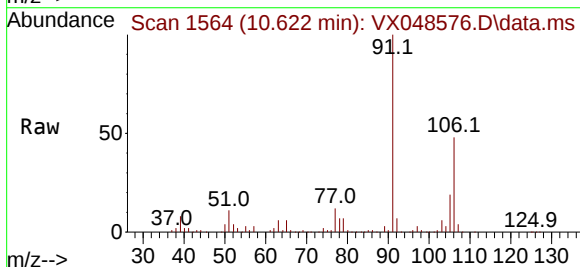
Manual Integrations  
APPROVED

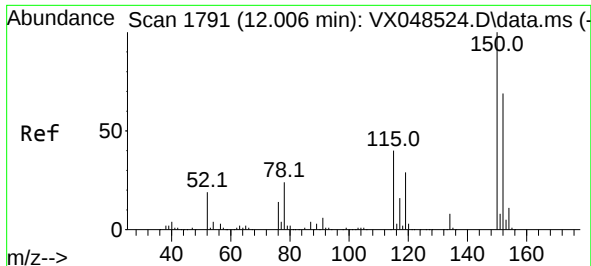
Reviewed By :John Carlone 11/14/2025  
Supervised By :Mahesh Dadoda 11/17/2025



#69  
o-Xylene  
Concen: 7.905 ug/l  
RT: 10.622 min Scan# 1564  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

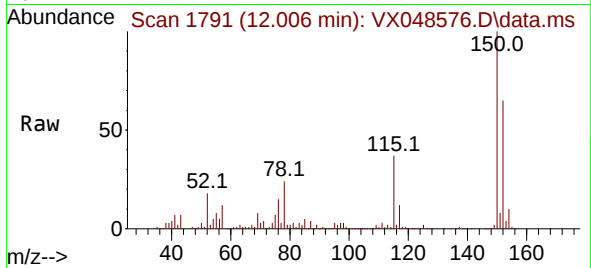
Tgt Ion:106 Resp: 40467  
Ion Ratio Lower Upper  
106 100  
91 209.4 106.4 319.2





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

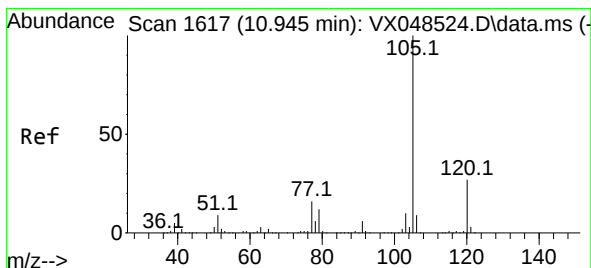
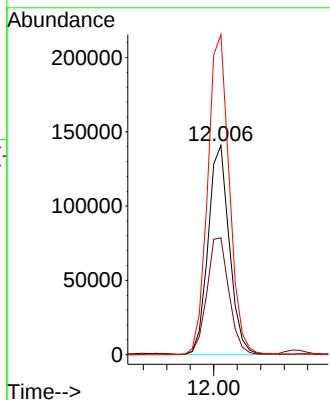
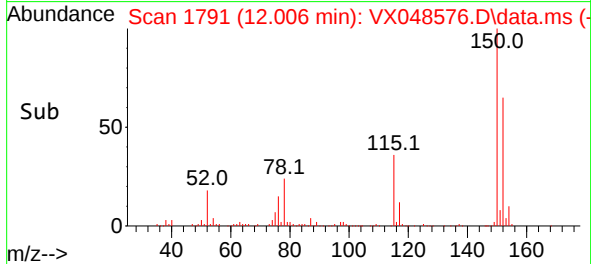
Instrument :  
MSVOA\_X  
ClientSampleId :  
304641-01 Liquid



Tgt Ion:152 Resp: 17560  
Ion Ratio Lower Upper  
152 100  
115 58.4 39.2 117.6  
150 157.1 0.0 347.0

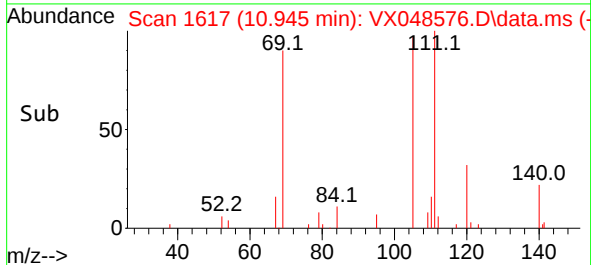
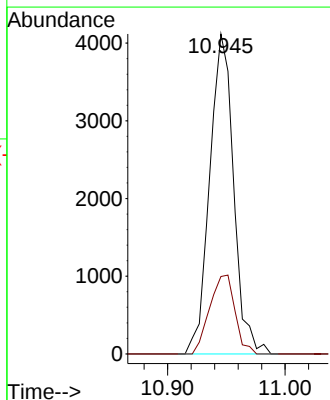
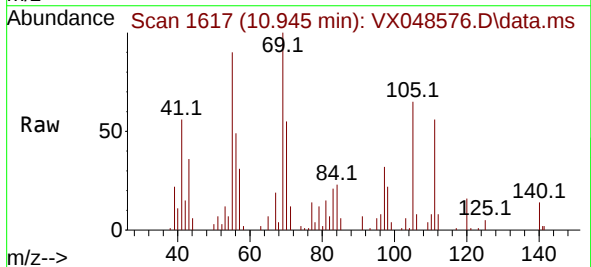
Manual Integrations  
APPROVED

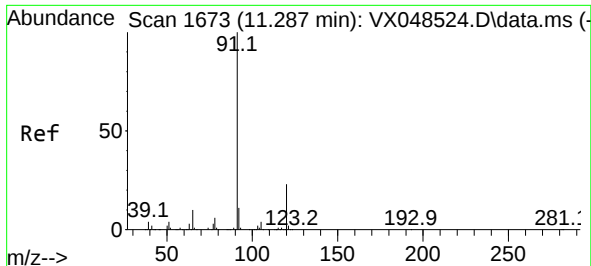
Reviewed By :John Carlone 11/14/2025  
Supervised By :Mahesh Dadoda 11/17/2025



#73  
Isopropylbenzene  
Concen: 0.458 ug/l  
RT: 10.945 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

Tgt Ion:105 Resp: 5834  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.6 40.7





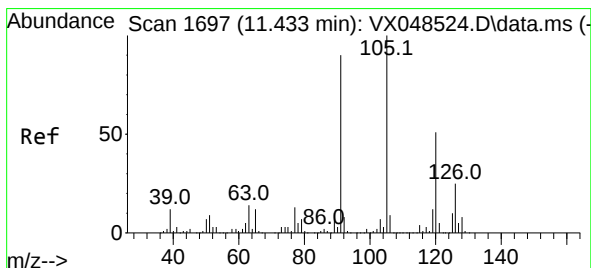
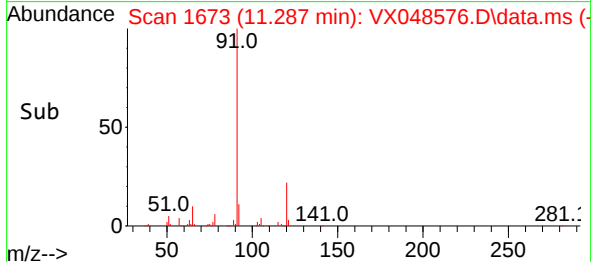
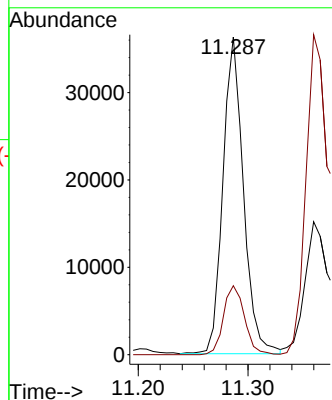
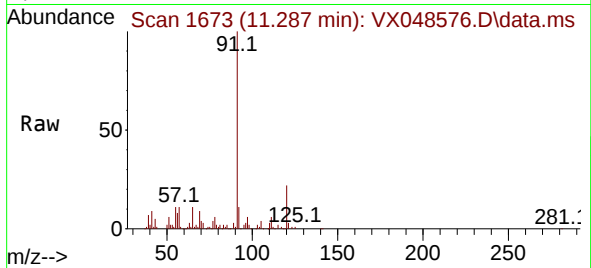
#78  
n-propylbenzene  
Concen: 3.149 ug/l  
RT: 11.287 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

Instrument :  
MSVOA\_X  
ClientSampleId :  
304641-01 Liquid

Tgt Ion: 91 Resp: 47190  
Ion Ratio Lower Upper  
91 100  
120 22.3 11.6 34.8

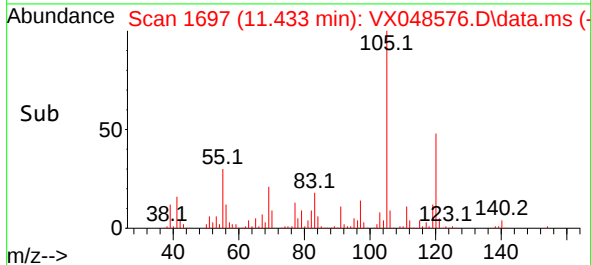
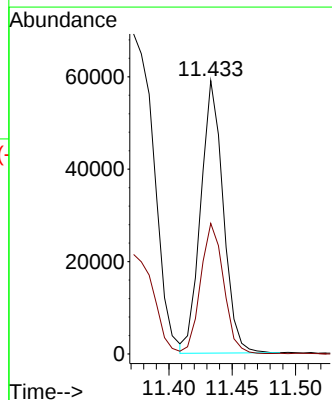
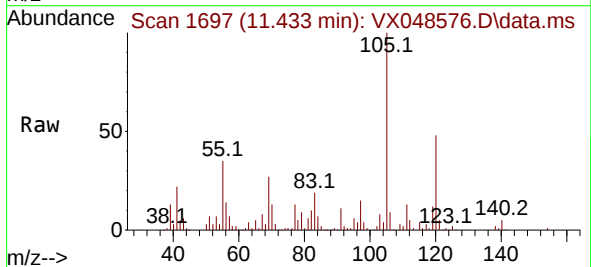
Manual Integrations  
APPROVED

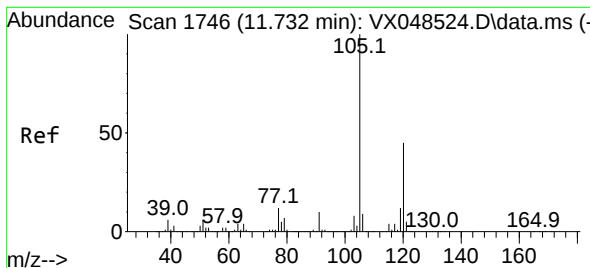
Reviewed By :John Carlone 11/14/2025  
Supervised By :Mahesh Dadoda 11/17/2025



#80  
1,3,5-Trimethylbenzene  
Concen: 7.026 ug/l  
RT: 11.433 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

Tgt Ion:105 Resp: 73005  
Ion Ratio Lower Upper  
105 100  
120 48.9 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 26.250 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. 0.000 min

Lab File: VX048576.D

Acq: 12 Nov 2025 14:02

Instrument :

MSVOA\_X

ClientSampleId :

304641-01 Liquid

Tgt Ion:105 Resp: 275200

Ion Ratio Lower Upper

105 100

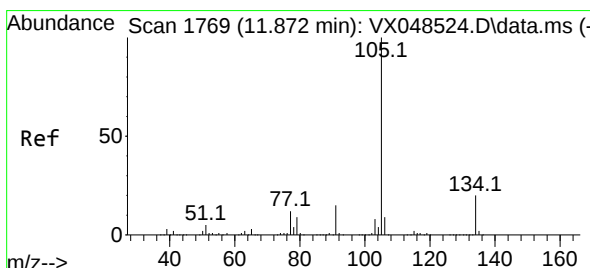
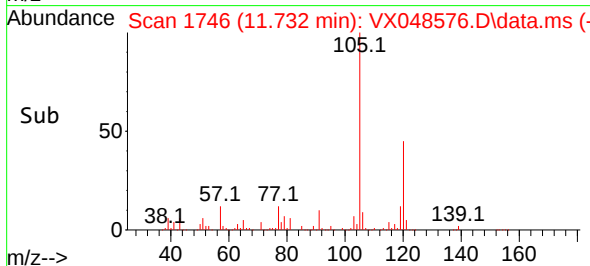
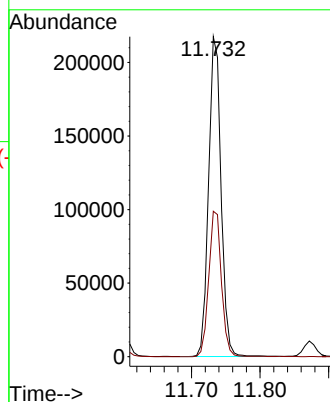
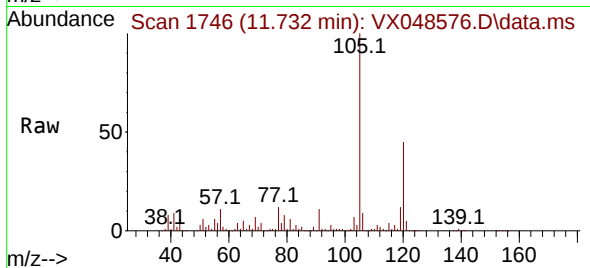
120 46.5 22.4 67.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/17/2025



#85

sec-Butylbenzene

Concen: 0.977 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VX048576.D

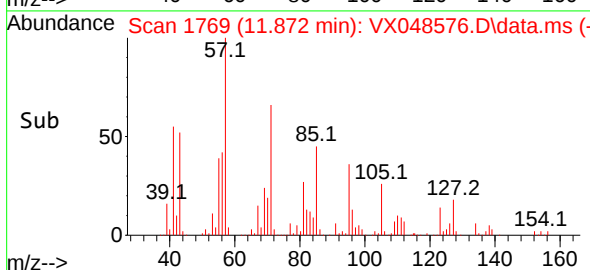
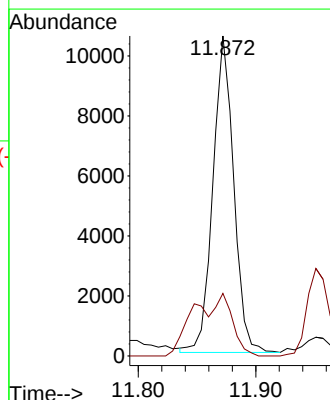
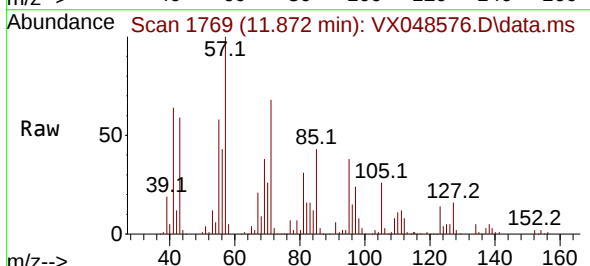
Acq: 12 Nov 2025 14:02

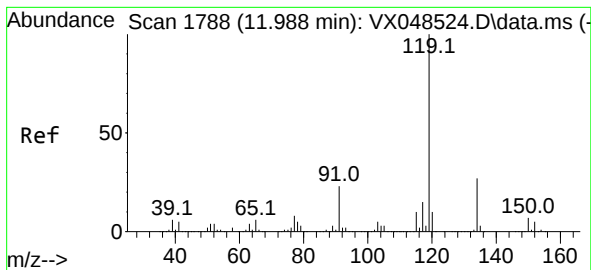
Tgt Ion:105 Resp: 12979

Ion Ratio Lower Upper

105 100

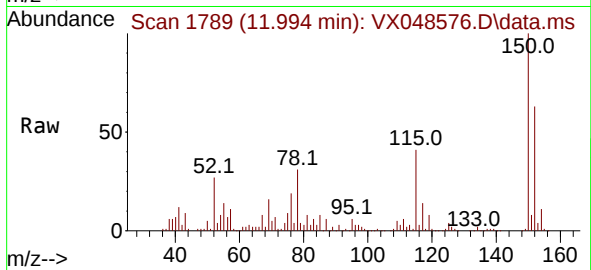
134 17.5 10.2 30.4





#86  
p-Isopropyltoluene  
Concen: 0.846 ug/l  
RT: 11.994 min Scan# 1199  
Delta R.T. 0.006 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02

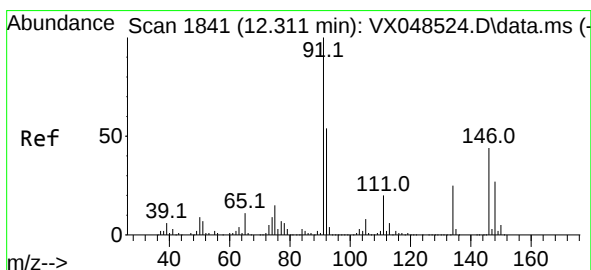
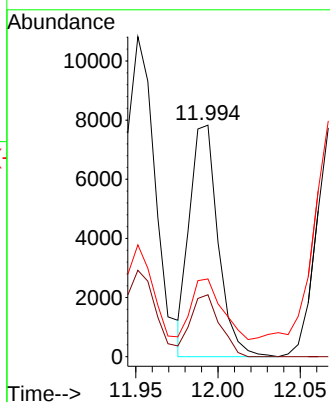
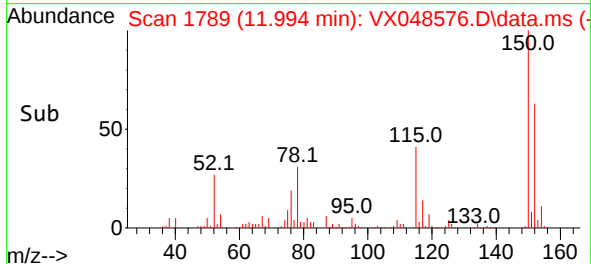
Instrument :  
MSVOA\_X  
ClientSampleId :  
304641-01 Liquid



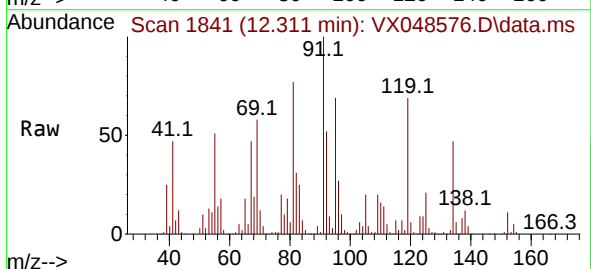
Tgt Ion: 119 Resp: 944  
Ion Ratio Lower Upper  
119 100  
134 27.3 13.2 39.5  
91 27.6 11.3 33.9

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/14/2025  
Supervised By :Mahesh Dadoda 11/17/2025



#89  
n-Butylbenzene  
Concen: 6.576 ug/l m  
RT: 12.311 min Scan# 1841  
Delta R.T. 0.000 min  
Lab File: VX048576.D  
Acq: 12 Nov 2025 14:02



Tgt Ion: 91 Resp: 68897  
Ion Ratio Lower Upper  
91 100  
92 54.4 27.2 81.5  
134 91.5 13.0 39.0#

