

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071425\  
 Data File : VX046967.D  
 Acq On : 14 Jul 2025 12:49  
 Operator : JC/MD  
 Sample : Q2480-02ME  
 Misc : 6.50g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GPX2ME

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025  
 Supervised By :Semsettin Yesilyurt 07/15/2025

Quant Time: Jul 15 01:17:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070225W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 03 05:51:11 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 302766              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 512075              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 458895              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 234758              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958          | 65   | 208433              | 52.110 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = 104.220% |        |        |          |
| 35) Dibromofluoromethane    | 5.397          | 113  | 166531              | 47.909 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 95.820%  |        |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 593241              | 48.373 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = 96.740%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 239079              | 51.293 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 102.580% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 31) Cyclohexane             | 5.477          | 56   | 21084               | 3.688  | ug/l   | 93       |
| 39) Methylcyclohexane       | 7.379          | 83   | 114611              | 19.536 | ug/l   | 91       |
| 40) Benzene                 | 6.050          | 78   | 16692               | 1.177  | ug/l   | 96       |
| 52) Toluene                 | 8.720          | 92   | 10690               | 1.216  | ug/l   | 93       |
| 64) Tetrachloroethene       | 9.275          | 164  | 4393                | 1.438  | ug/l   | 90       |
| 67) Ethyl Benzene           | 10.195         | 91   | 133370              | 7.850  | ug/l   | 100      |
| 68) m/p-Xylenes             | 10.299         | 106  | 182808              | 28.553 | ug/l   | 98       |
| 69) o-Xylene                | 10.646         | 106  | 9474                | 1.532  | ug/l   | 90       |
| 73) Isopropylbenzene        | 10.963         | 105  | 40776               | 2.471  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 218024              | 16.259 | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 595843              | 43.962 | ug/l   | 96       |
| 86) p-Isopropyltoluene      | 12.006         | 119  | 30435               | 2.081  | ug/l   | 96       |
| 89) n-Butylbenzene          | 12.323         | 91   | 44480m              | 3.237  | ug/l   |          |
| 95) Naphthalene             | 13.774         | 128  | 112016              | 8.399  | ug/l   | 98       |
| -----                       |                |      |                     |        |        |          |

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

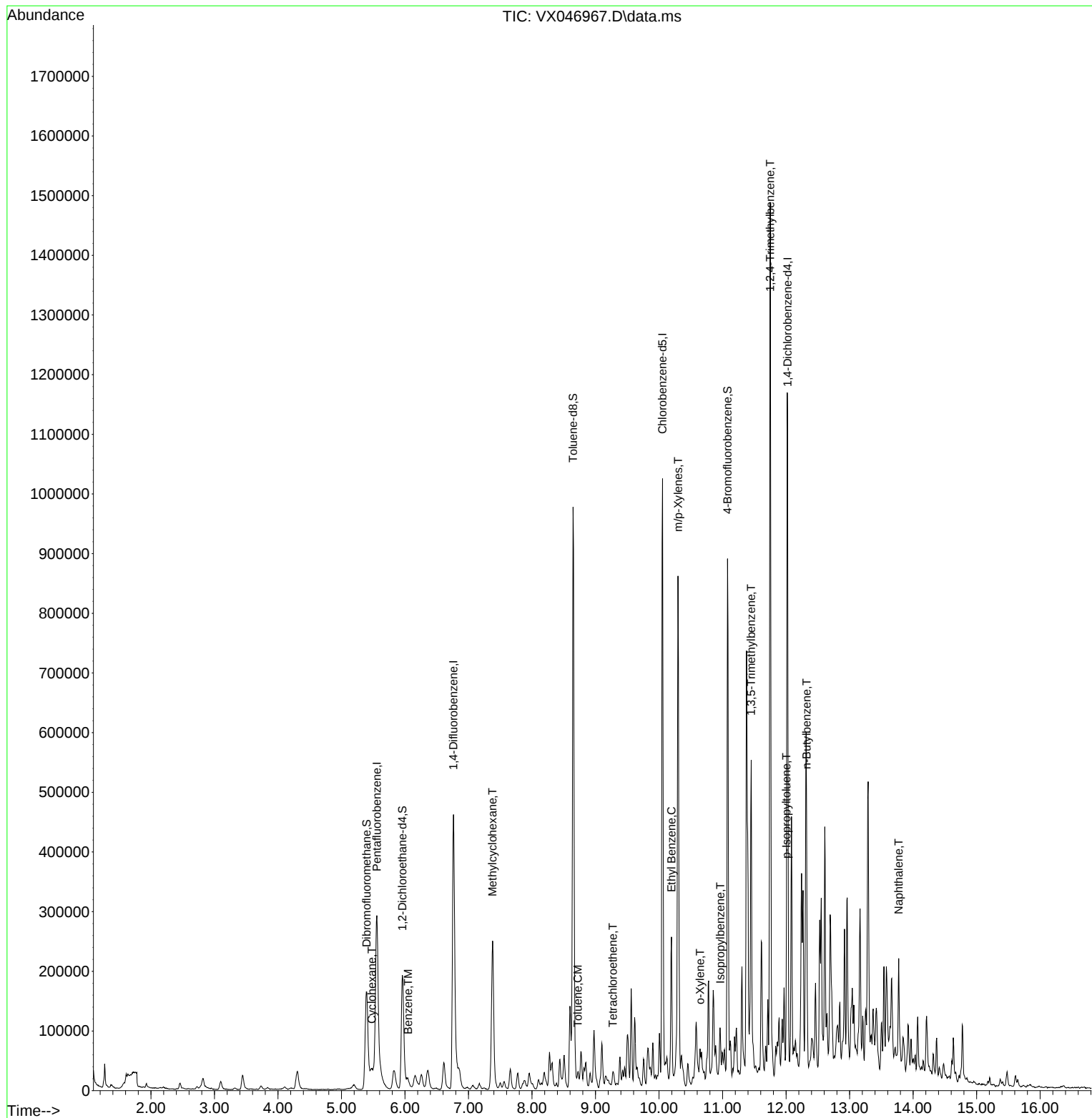
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071425\  
Data File : VX046967.D  
Acq On : 14 Jul 2025 12:49  
Operator : JC/MD  
Sample : Q2480-02ME  
Misc : 6.50g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 8 Sample Multiplier: 1

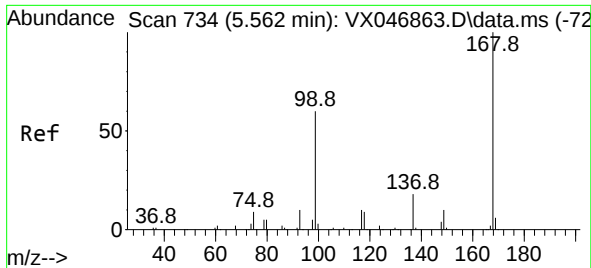
Instrument :  
MSVOA\_X  
ClientSampleId :  
GPX2ME

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Reviewed By :Mahesh Dadoda 07/15/2025  
Supervised By :Semsettin Yesilyurt 07/15/2025

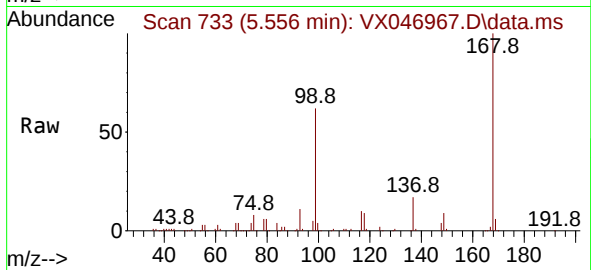
Quant Time: Jul 15 01:17:42 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070225W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 03 05:51:11 2025  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

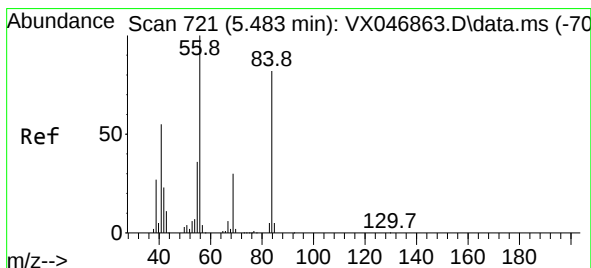
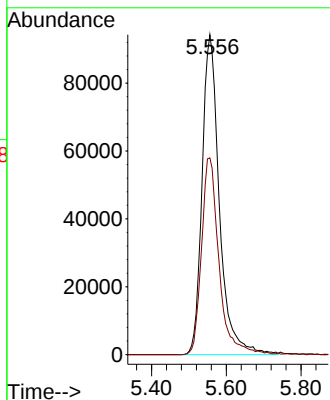
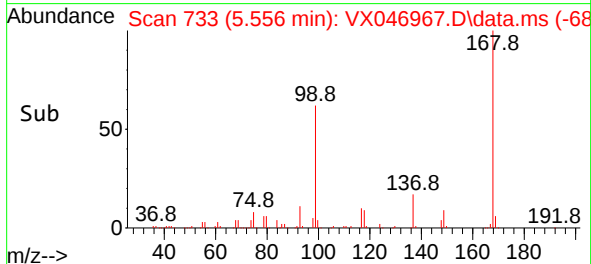
Instrument :  
MSVOA\_X  
ClientSampleId :  
GPX2ME



Tgt Ion:168 Resp: 302760  
Ion Ratio Lower Upper  
168 100  
99 61.5 48.8 73.2

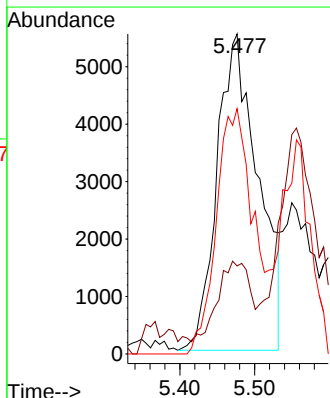
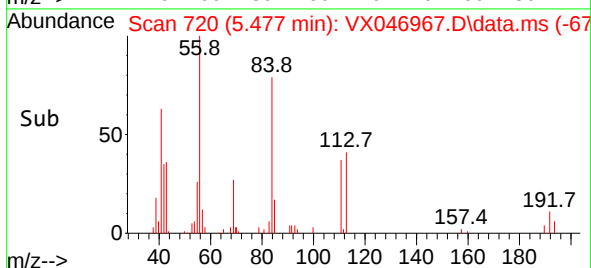
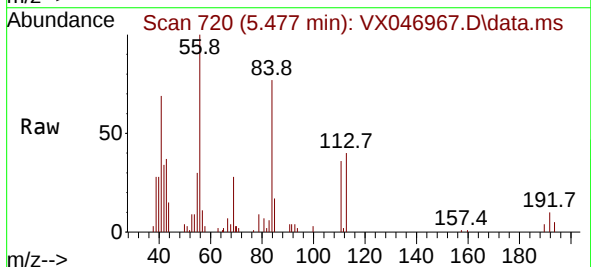
Manual Integrations  
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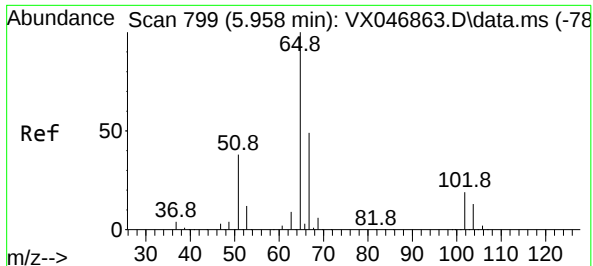
Reviewed By :Mahesh Dadoda 07/15/2025  
Supervised By :Semsettin Yesilyurt 07/15/2025



#31  
Cyclohexane  
Concen: 3.688 ug/l  
RT: 5.477 min Scan# 720  
Delta R.T. -0.006 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

Tgt Ion: 56 Resp: 21084  
Ion Ratio Lower Upper  
56 100  
69 25.0 24.0 36.0  
84 77.5 66.5 99.7





#33

1,2-Dichloroethane-d4

Concen: 52.110 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

Instrument :

MSVOA\_X

ClientSampleId :

GPX2ME

Tgt Ion: 65 Resp: 20843

Ion Ratio Lower Upper

65 100

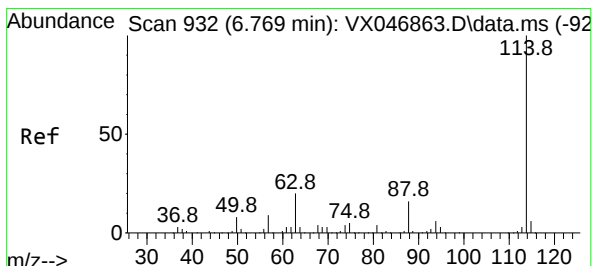
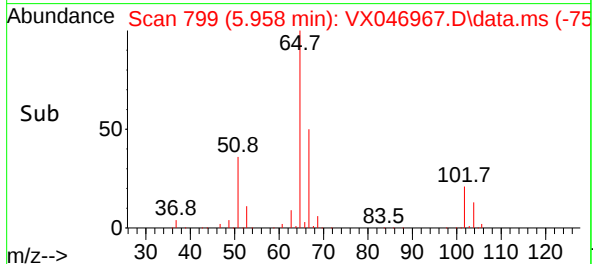
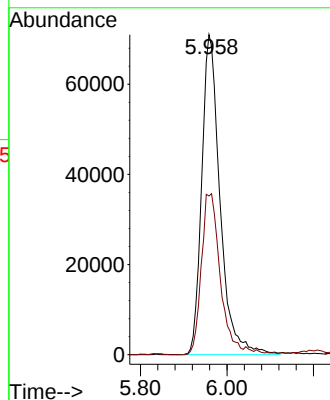
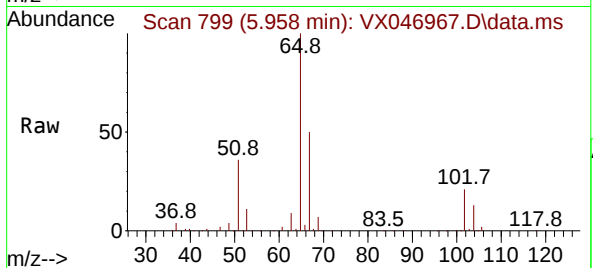
67 51.3 0.0 105.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

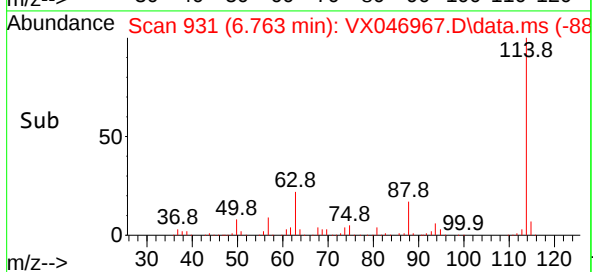
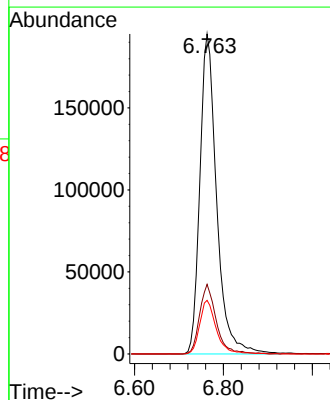
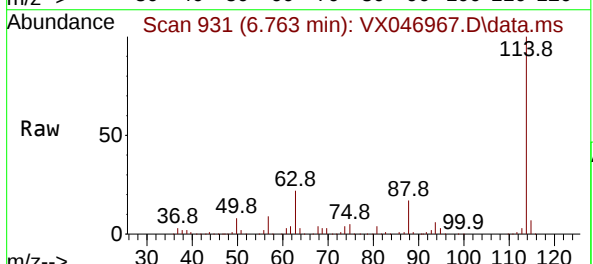
Tgt Ion:114 Resp: 512075

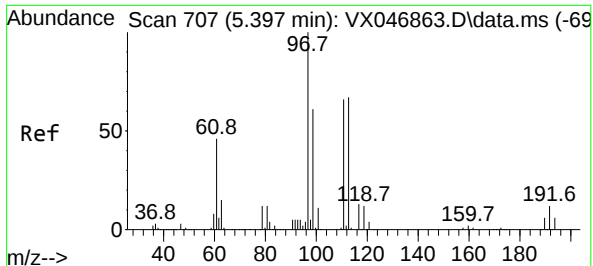
Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.4

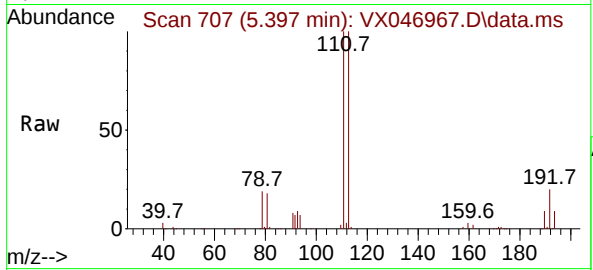
88 16.8 0.0 31.0





#35  
Dibromofluoromethane  
Concen: 47.909 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. -0.000 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

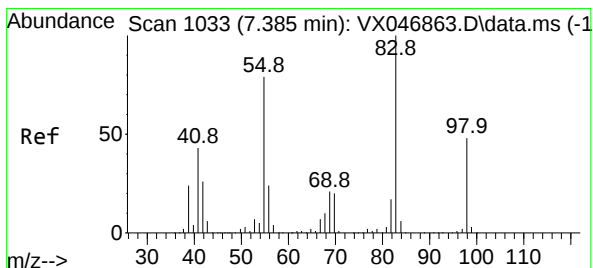
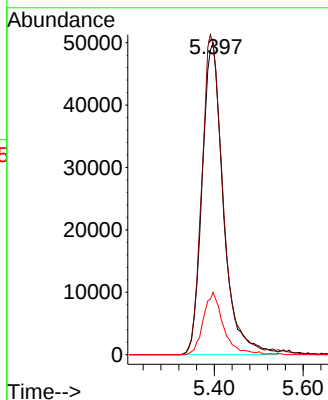
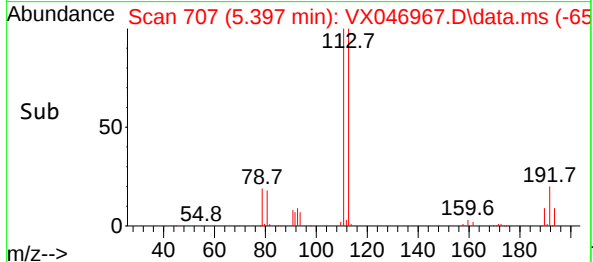
Instrument :  
MSVOA\_X  
ClientSampleId :  
GPX2ME



Tgt Ion:113 Resp: 16653  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.2 121.8  
192 18.9 15.3 22.9

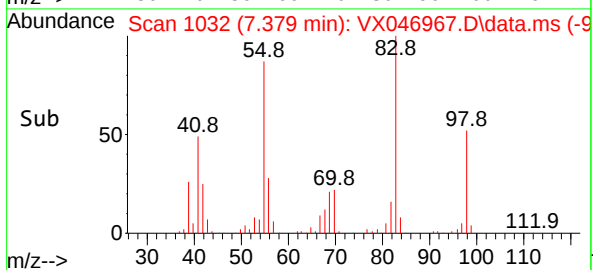
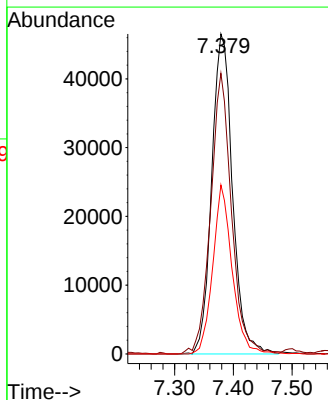
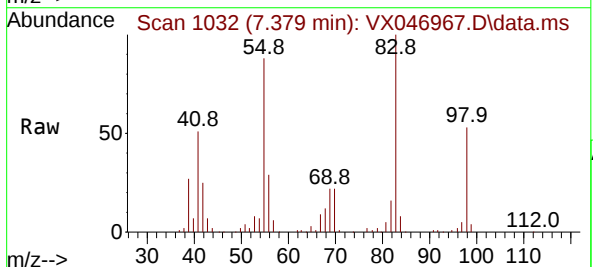
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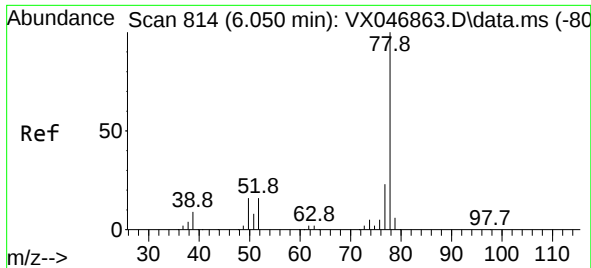
Reviewed By :Mahesh Dadoda 07/15/2025  
Supervised By :Semsettin Yesilyurt 07/15/2025



#39  
Methylcyclohexane  
Concen: 19.536 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

Tgt Ion: 83 Resp: 114611  
Ion Ratio Lower Upper  
83 100  
55 87.7 63.0 94.4  
98 52.8 38.5 57.7





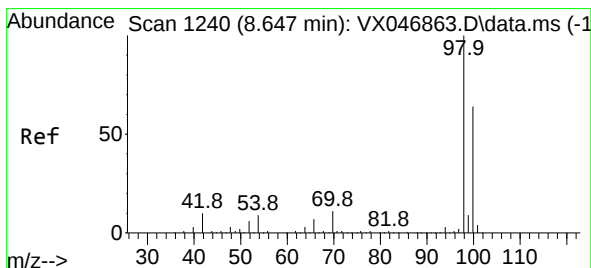
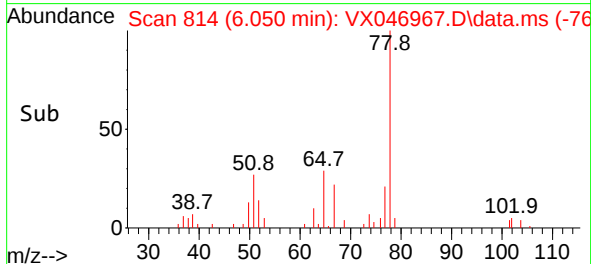
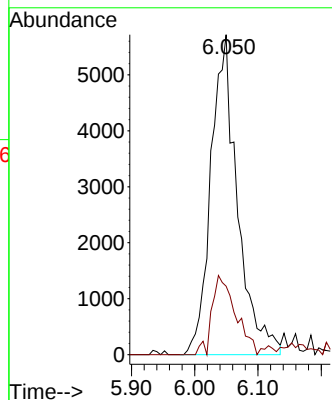
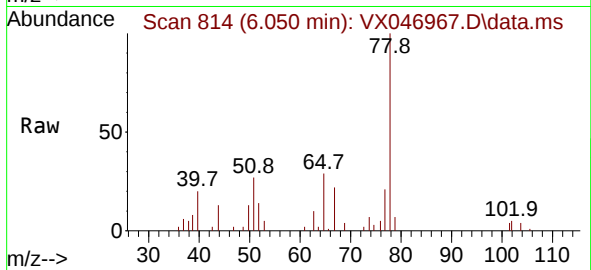
#40  
Benzene  
Concen: 1.177 ug/l  
RT: 6.050 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
GPX2ME

Tgt Ion: 78 Resp: 16692  
Ion Ratio Lower Upper  
78 100  
77 21.4 18.7 28.1

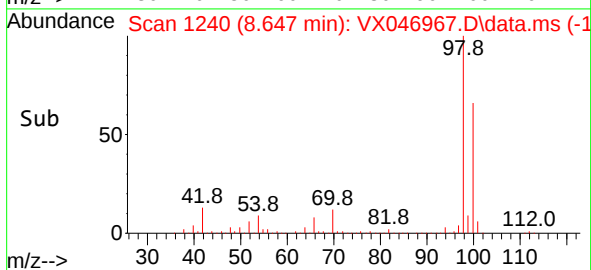
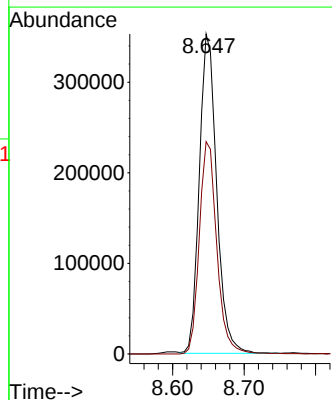
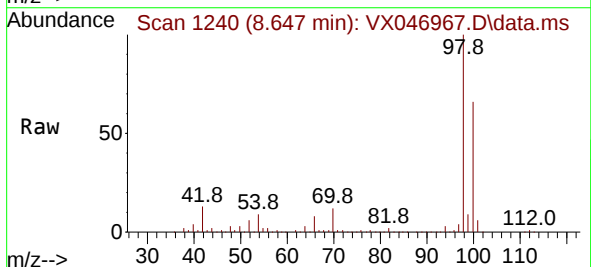
Manual Integrations  
APPROVED

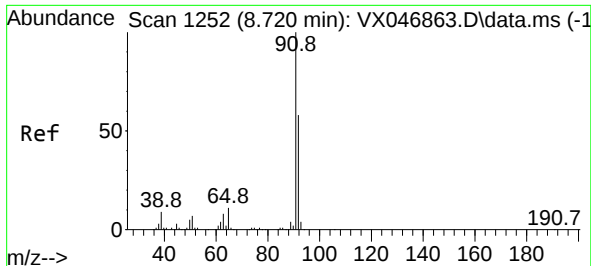
Reviewed By :Mahesh Dadoda 07/15/2025  
Supervised By :Semsettin Yesilyurt 07/15/2025



#50  
Toluene-d8  
Concen: 48.373 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

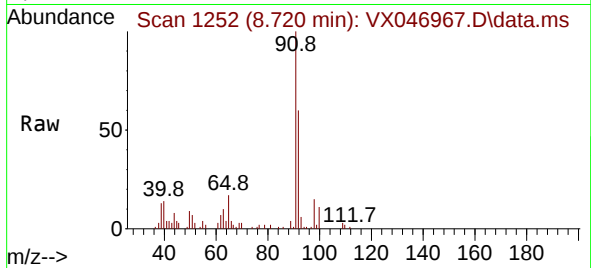
Tgt Ion: 98 Resp: 593241  
Ion Ratio Lower Upper  
98 100  
100 67.1 53.0 79.6





#52  
Toluene  
Concen: 1.216 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

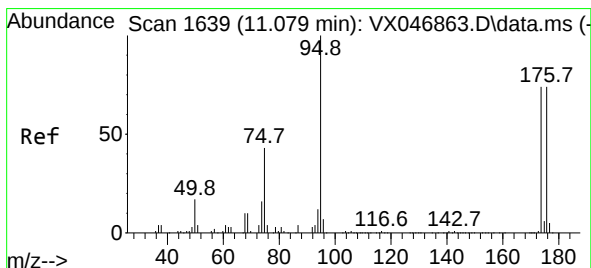
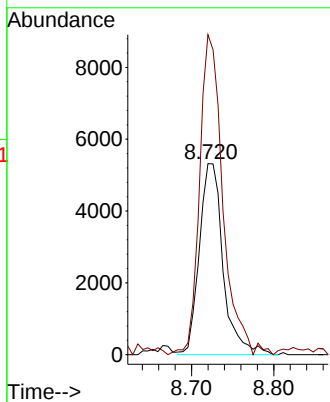
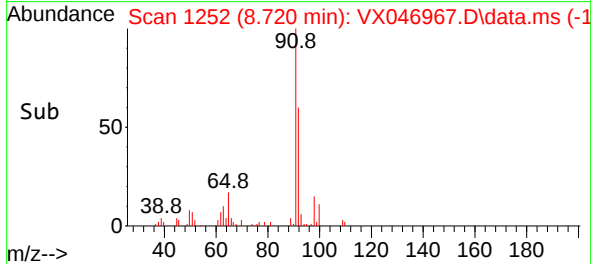
Instrument :  
MSVOA\_X  
ClientSampleId :  
GPX2ME



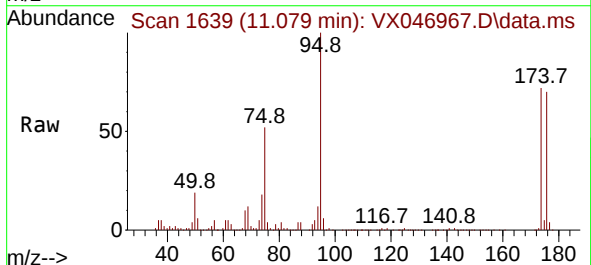
Tgt Ion: 92 Resp: 10690  
Ion Ratio Lower Upper  
92 100  
91 162.0 137.9 206.9

Manual Integrations  
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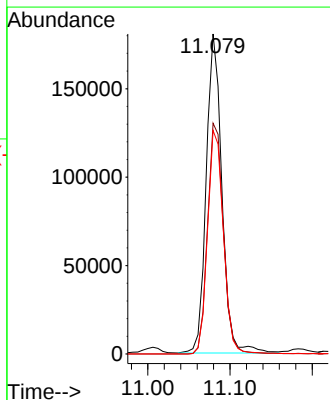
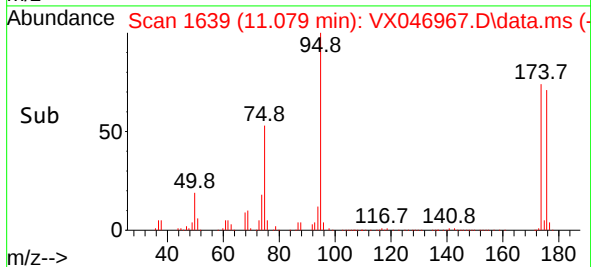
Reviewed By :Mahesh Dadoda 07/15/2025  
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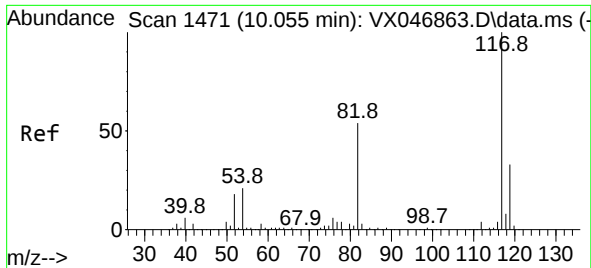


#62  
4-Bromofluorobenzene  
Concen: 51.293 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49



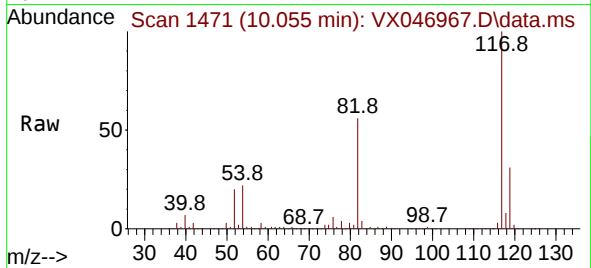
Tgt Ion: 95 Resp: 239079  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 152.0  
176 71.0 0.0 145.2





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

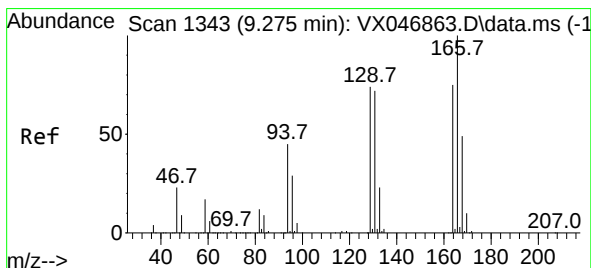
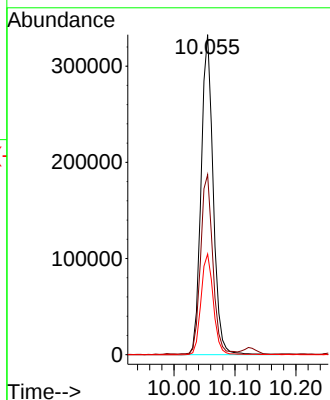
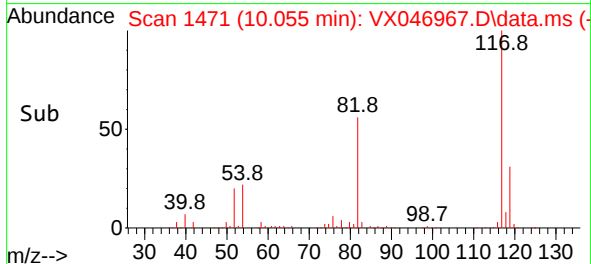
Instrument :  
MSVOA\_X  
ClientSampleId :  
GPX2ME



Tgt Ion:117 Resp: 45889  
Ion Ratio Lower Upper  
117 100  
82 56.0 43.3 64.9  
119 31.4 26.4 39.6

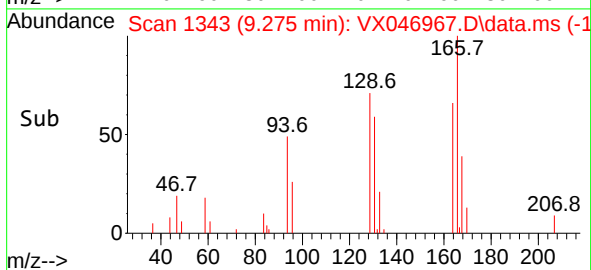
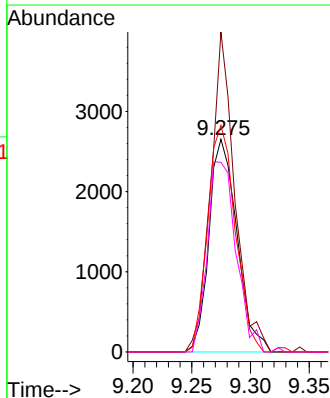
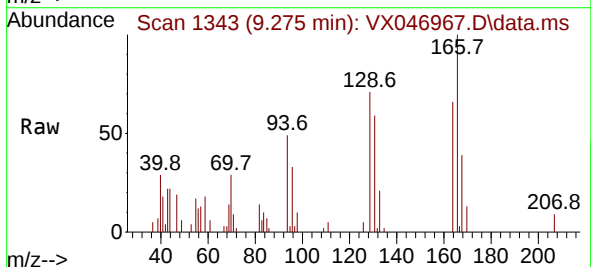
Manual Integrations  
APPROVED

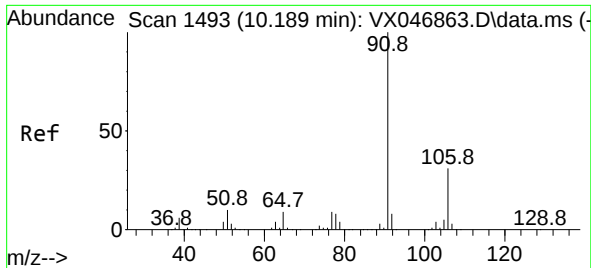
Reviewed By :Mahesh Dadoda 07/15/2025  
Supervised By :Semsettin Yesilyurt 07/15/2025



#64  
Tetrachloroethene  
Concen: 1.438 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

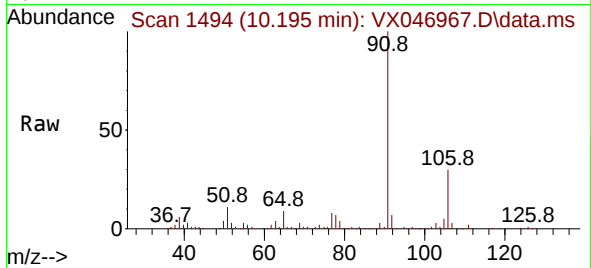
Tgt Ion:164 Resp: 4393  
Ion Ratio Lower Upper  
164 100  
166 150.5 107.0 160.6  
129 106.6 79.7 119.5  
131 89.2 77.1 115.7





#67  
Ethyl Benzene  
Concen: 7.850 ug/l  
RT: 10.195 min Scan# 1493  
Delta R.T. 0.006 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

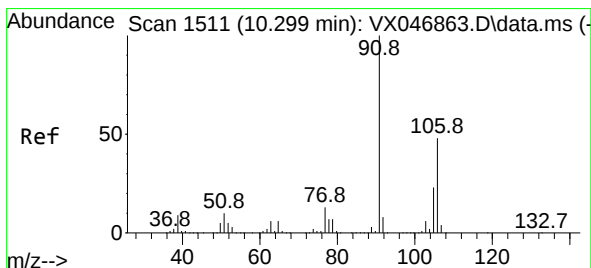
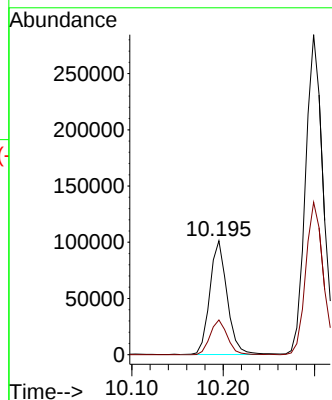
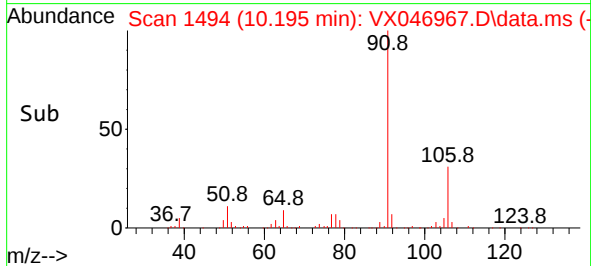
Instrument :  
MSVOA\_X  
ClientSampleId :  
GPX2ME



Tgt Ion: 91 Resp: 133370  
Ion Ratio Lower Upper  
91 100  
106 30.5 24.4 36.6

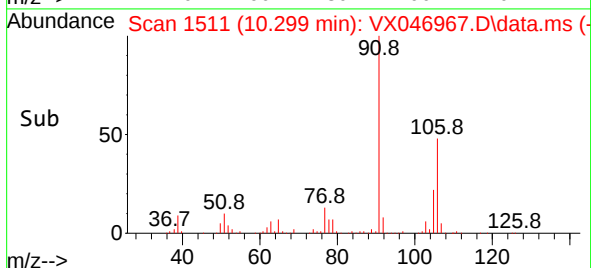
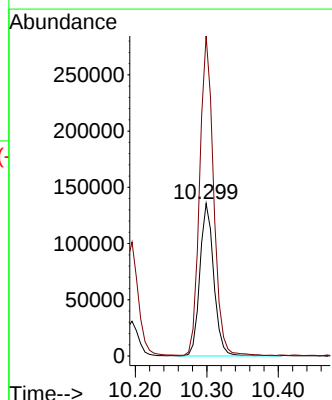
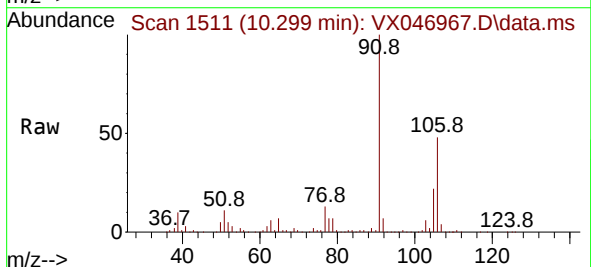
Manual Integrations  
APPROVED

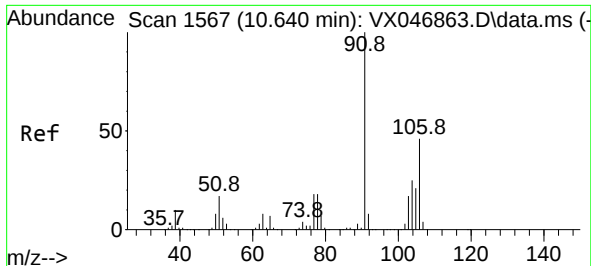
Reviewed By :Mahesh Dadoda 07/15/2025  
Supervised By :Semsettin Yesilyurt 07/15/2025



#68  
m/p-Xylenes  
Concen: 28.553 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

Tgt Ion:106 Resp: 182808  
Ion Ratio Lower Upper  
106 100  
91 209.0 164.6 246.8





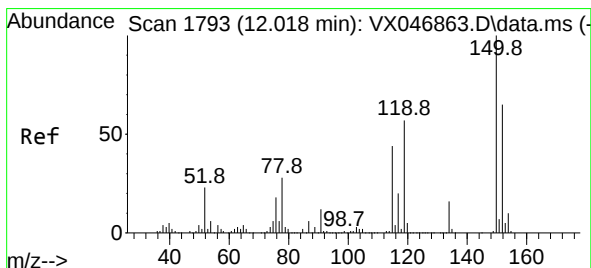
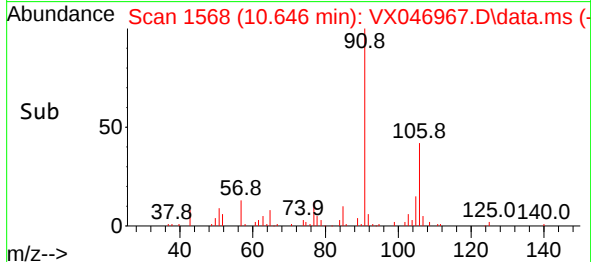
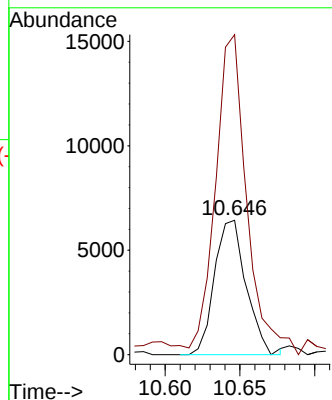
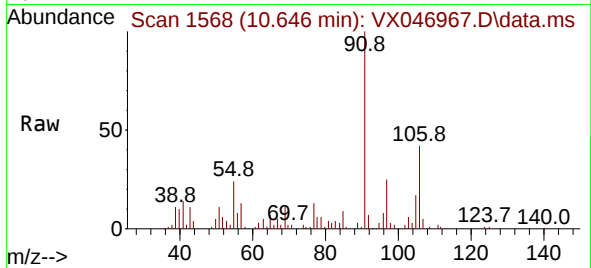
#69  
o-Xylene  
Concen: 1.532 ug/l  
RT: 10.646 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
GPX2ME

Tgt Ion:106 Resp: 9474  
Ion Ratio Lower Upper  
106 100  
91 235.5 109.5 328.5

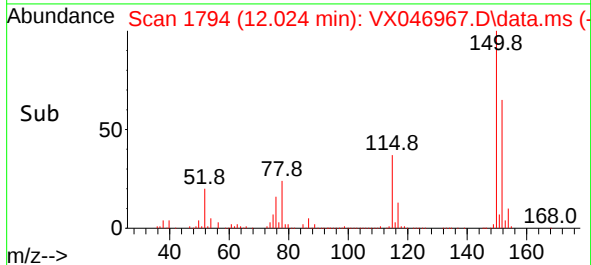
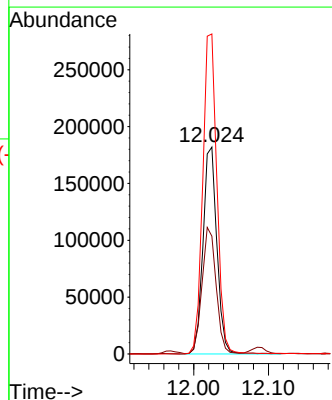
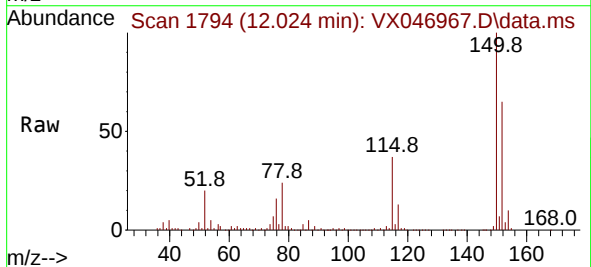
Manual Integrations  
APPROVED

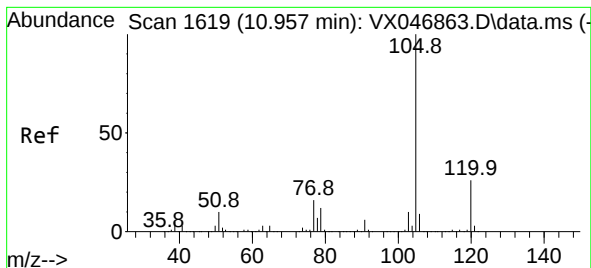
Reviewed By :Mahesh Dadoda 07/15/2025  
Supervised By :Semsettin Yesilyurt 07/15/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX046967.D  
Acq: 14 Jul 2025 12:49

Tgt Ion:152 Resp: 234758  
Ion Ratio Lower Upper  
152 100  
115 61.8 42.4 127.1  
150 157.4 0.0 349.2





#73

Isopropylbenzene

Concen: 2.471 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

Instrument :

MSVOA\_X

ClientSampleId :

GPX2ME

Tgt Ion:105 Resp: 40770

Ion Ratio Lower Upper

105 100

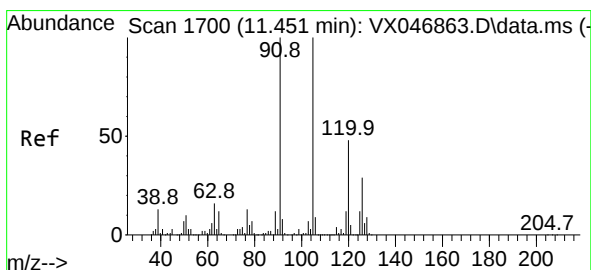
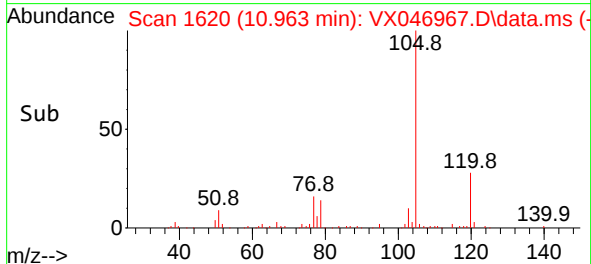
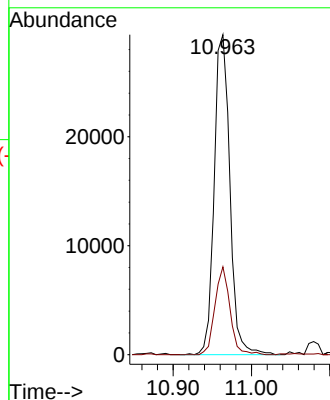
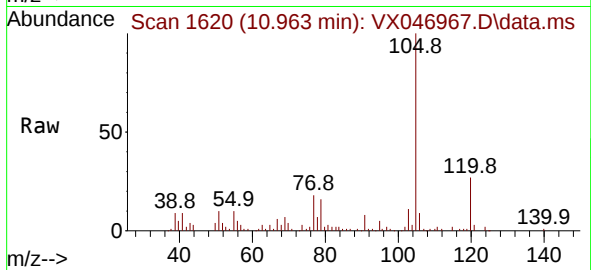
120 26.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025

Supervised By :Semsettin Yesilyurt 07/15/2025



#80

1,3,5-Trimethylbenzene

Concen: 16.259 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046967.D

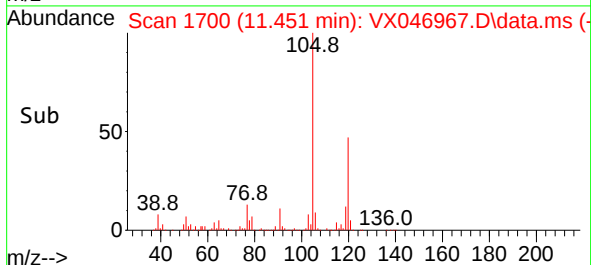
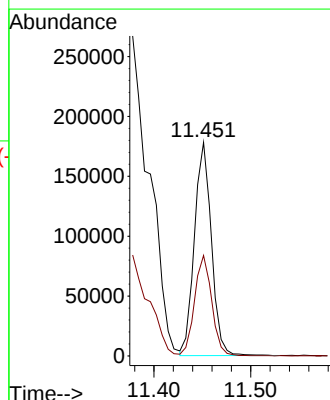
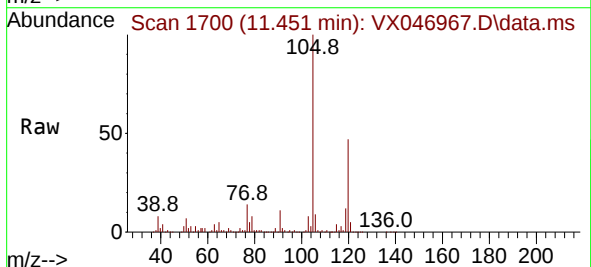
Acq: 14 Jul 2025 12:49

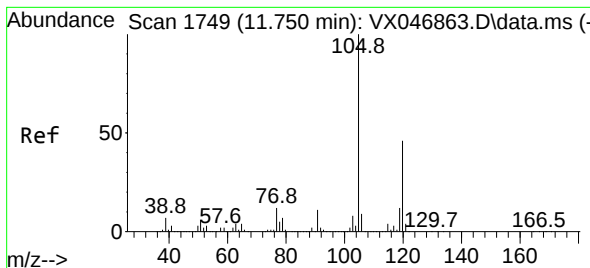
Tgt Ion:105 Resp: 218024

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 43.962 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

Instrument :

MSVOA\_X

ClientSampleId :

GPX2ME

Tgt Ion:105 Resp: 59584

Ion Ratio Lower Upper

105 100

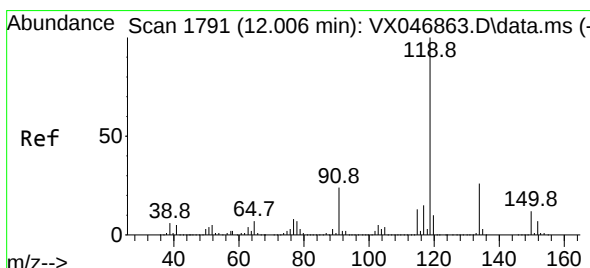
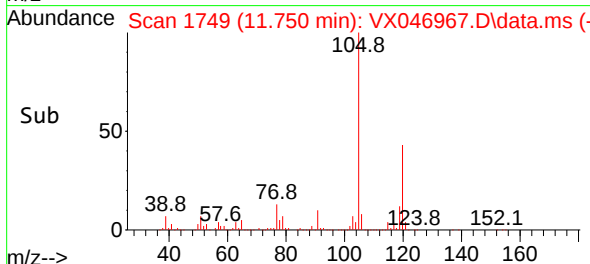
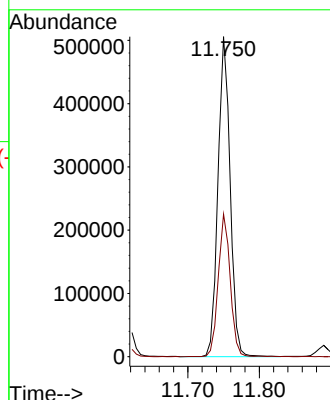
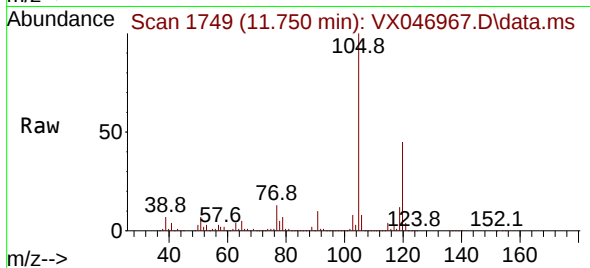
120 44.0 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025

Supervised By :Semsettin Yesilyurt 07/15/2025



#86

p-Isopropyltoluene

Concen: 2.081 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

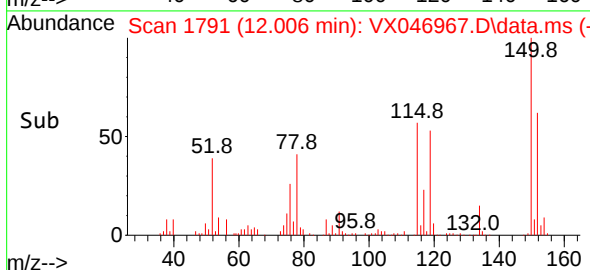
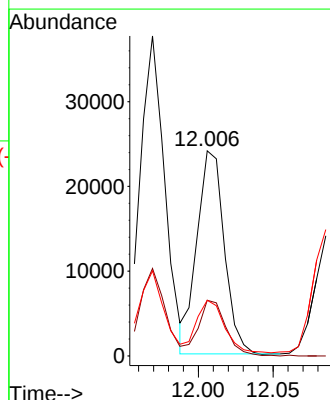
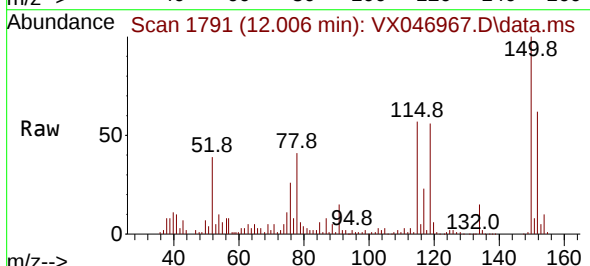
Tgt Ion:119 Resp: 30435

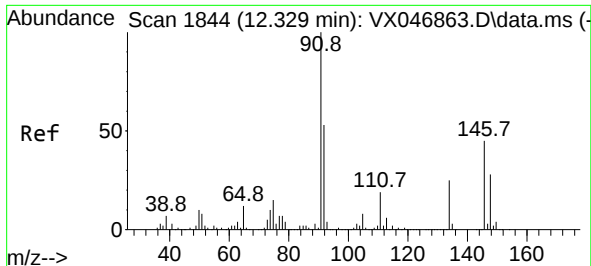
Ion Ratio Lower Upper

119 100

134 27.8 13.0 39.0

91 26.4 12.0 36.1





#89

n-Butylbenzene

Concen: 3.237 ug/l m

RT: 12.323 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

Instrument :

MSVOA\_X

ClientSampleId :

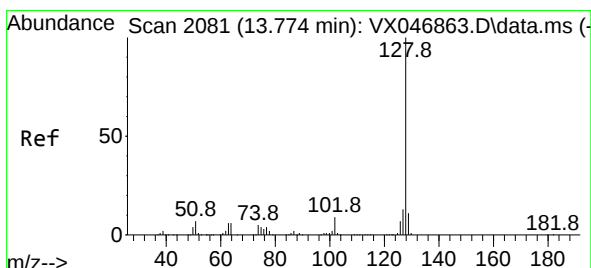
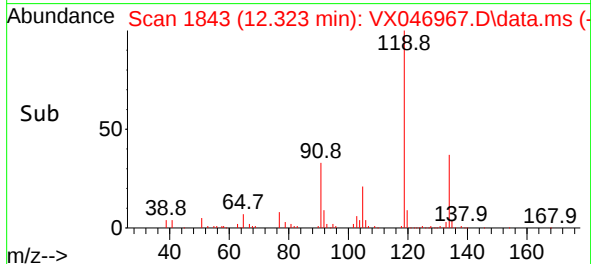
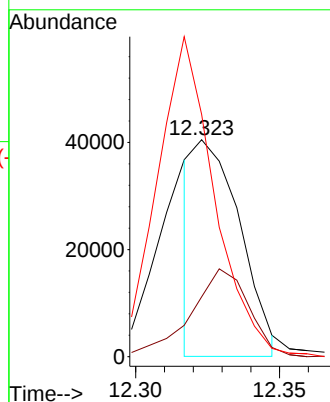
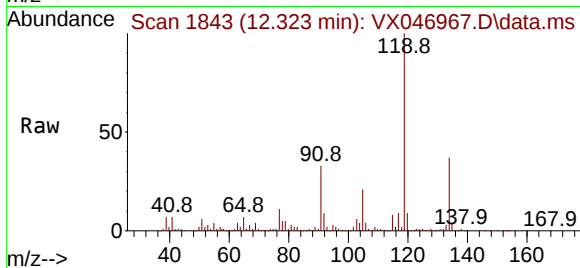
GPX2ME

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 44480 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 92        | 52.0  | 27.0  | 81.0  |
| 134       | 184.1 | 12.8  | 38.4  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025  
Supervised By :Semsettin Yesilyurt 07/15/2025



#95

Naphthalene

Concen: 8.399 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 112016 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.2  | 15.4   |
| 129       | 12.4  | 8.6   | 13.0   |

