

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062325\  
 Data File : VX046814.D  
 Acq On : 23 Jun 2025 13:03  
 Operator : JC/MD  
 Sample : Q2354-01  
 Misc : 3.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 3321

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025  
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 06:21:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061725W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 18 03:09:16 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 114873     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 197305     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 163448     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 67123      | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958          | 65   | 75605      | 47.583   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 95.160%  |        |          |
| 35) Dibromofluoromethane    | 5.397          | 113  | 62062      | 47.541   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 95.080%  |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 234992     | 50.104   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 100.200% |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 84291      | 48.213   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 96.420%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 5) Bromomethane             | 1.611          | 94   | 1104       | 1.390    | ug/l   | 99       |
| 10) Methyl Iodide           | 2.459          | 142  | 5323       | 7.287    | ug/l   | 94       |
| 13) Acrolein                | 2.251          | 56   | 1149       | 5.531    | ug/l   | 98       |
| 16) Acetone                 | 2.404          | 43   | 4002       | 7.553    | ug/l # | 81       |
| 31) Cyclohexane             | 5.476          | 56   | 73841      | 31.036   | ug/l   | 99       |
| 39) Methylcyclohexane       | 7.379          | 83   | 258442     | 104.219  | ug/l   | 97       |
| 40) Benzene                 | 6.043          | 78   | 48681      | 8.729    | ug/l   | 99       |
| 52) Toluene                 | 8.720          | 92   | 284768     | 82.365   | ug/l   | 99       |
| 67) Ethyl Benzene           | 10.195         | 91   | 376695     | 59.753   | ug/l   | 97       |
| 68) m/p-Xylenes             | 10.299         | 106  | 481240     | 204.870  | ug/l   | 100      |
| 69) o-Xylene                | 10.640         | 106  | 226013     | 102.667  | ug/l   | 96       |
| 73) Isopropylbenzene        | 10.963         | 105  | 128516     | 25.997   | ug/l   | 100      |
| 78) n-propylbenzene         | 11.305         | 91   | 507376     | 86.409   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 563211     | 138.638  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 2059528    | 504.592  | ug/l   | 98       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 223244     | 42.065   | ug/l   | 86       |
| 86) p-Isopropyltoluene      | 12.006         | 119  | 126842     | 28.327   | ug/l   | 99       |
| 89) n-Butylbenzene          | 12.329         | 91   | 353921m    | 83.244   | ug/l   |          |
| -----                       |                |      |            |          |        |          |

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

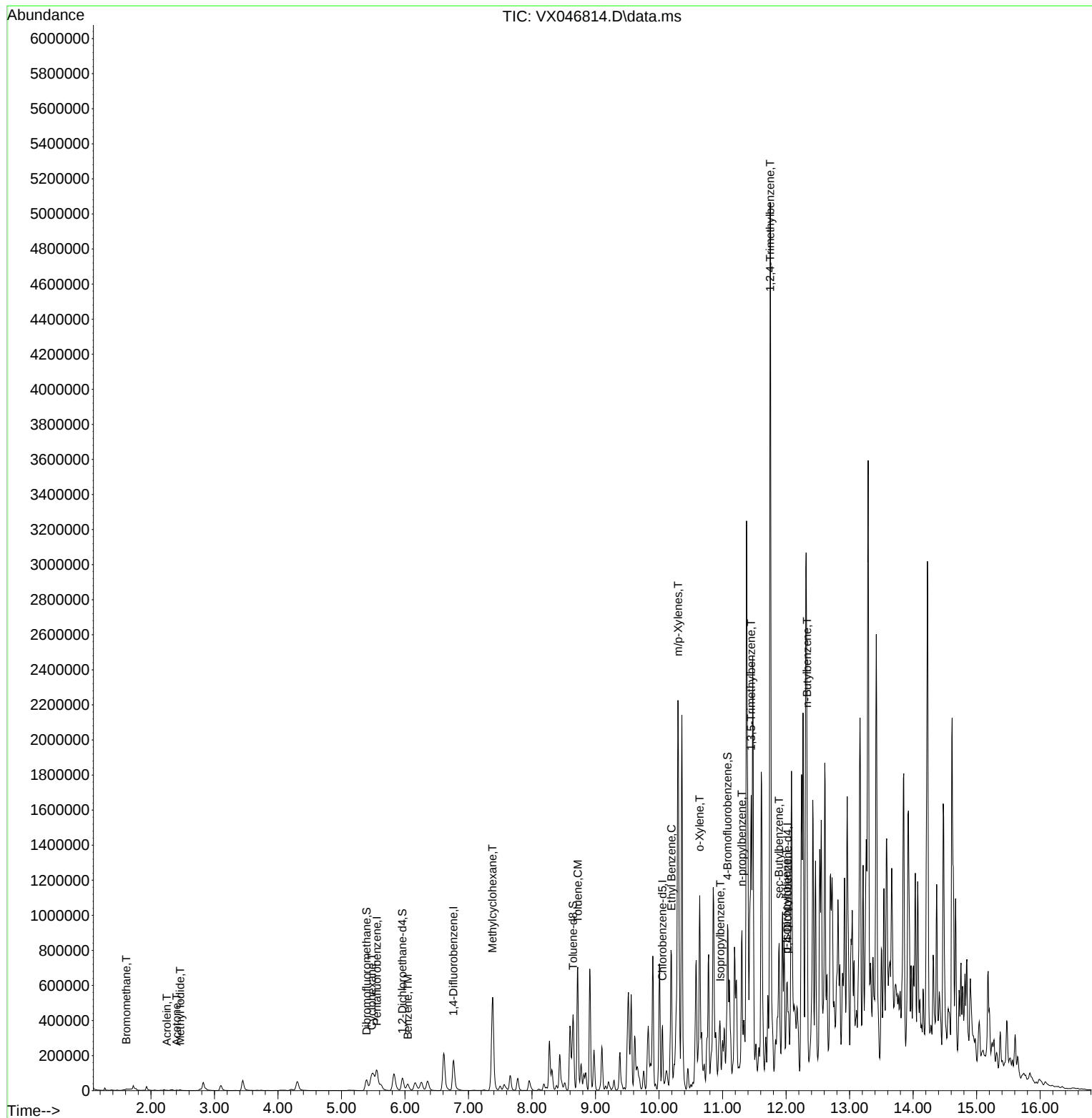
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062325\  
Data File : VX046814.D  
Acq On : 23 Jun 2025 13:03  
Operator : JC/MD  
Sample : Q2354-01  
Misc : 3.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 12 Sample Multiplier: 1

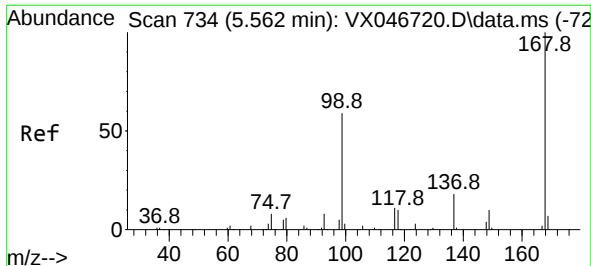
Instrument :  
MSVOA\_X  
ClientSampleId :  
3321

Quant Time: Jun 24 06:21:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061725W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 18 03:09:16 2025  
Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025





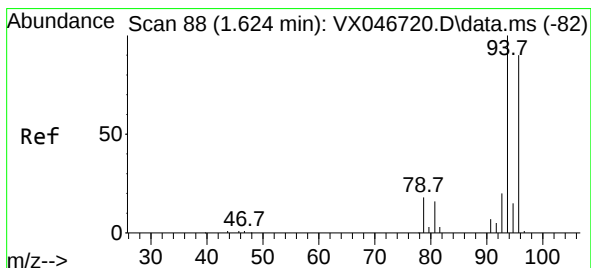
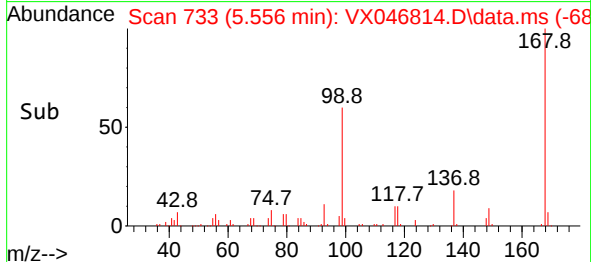
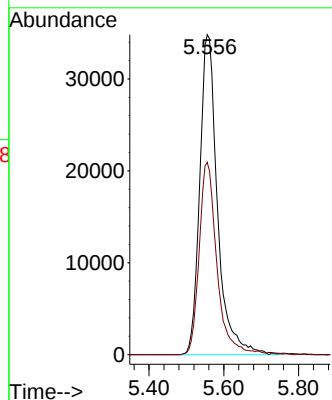
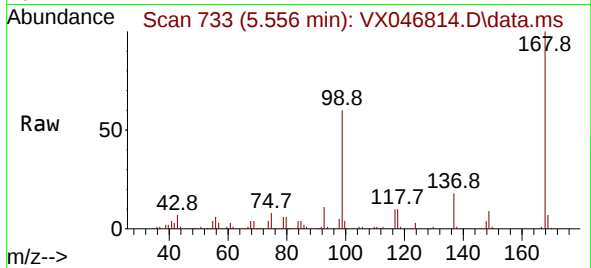
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Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
3321

Tgt Ion:168 Resp: 11487  
Ion Ratio Lower Upper  
168 100  
99 60.1 48.5 72.7

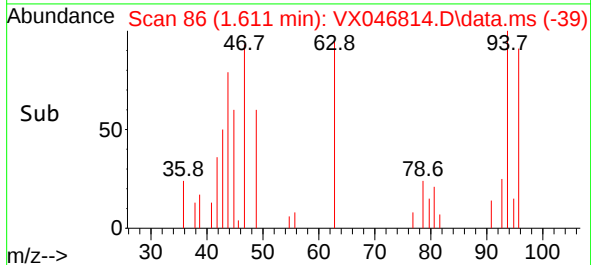
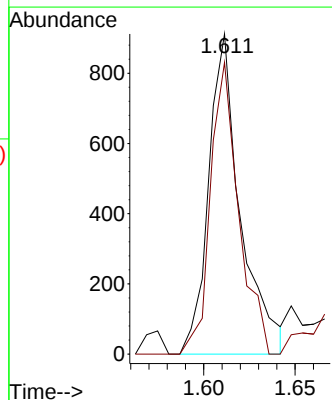
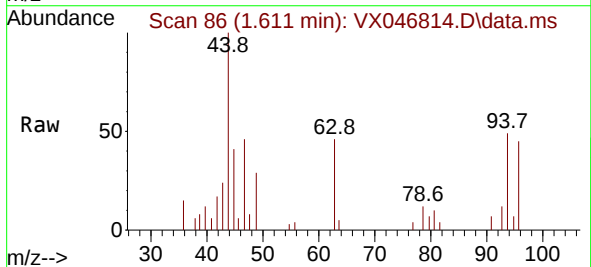
Manual Integrations  
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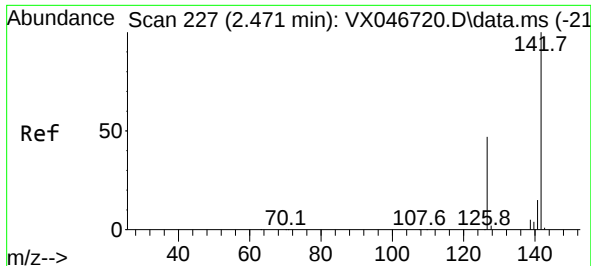
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#5  
Bromomethane  
Concen: 1.390 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. -0.012 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

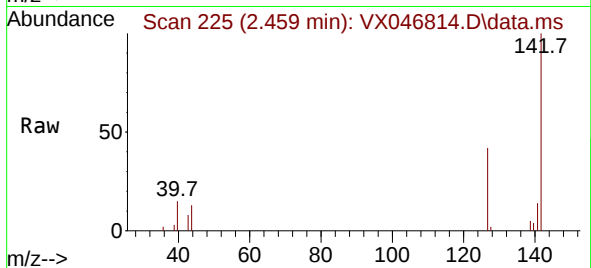
Tgt Ion: 94 Resp: 1104  
Ion Ratio Lower Upper  
94 100  
96 91.1 72.3 108.5





#10  
Methyl Iodide  
Concen: 7.287 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

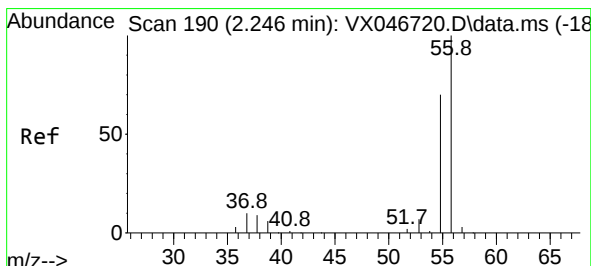
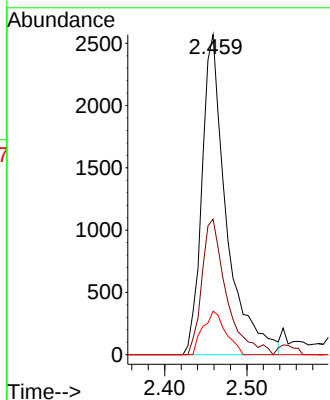
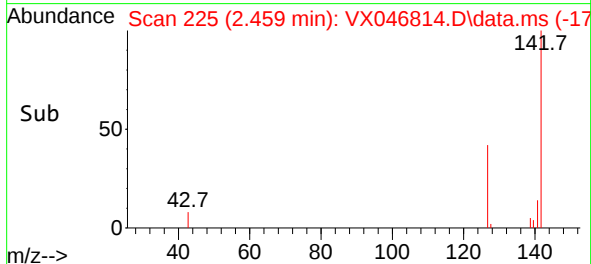
Instrument :  
MSVOA\_X  
ClientSampleId :  
3321



Tgt Ion:142 Resp: 532  
Ion Ratio Lower Upper  
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127 42.2 37.0 55.6  
141 12.7 11.5 17.3

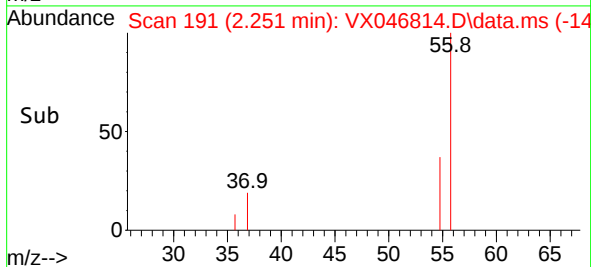
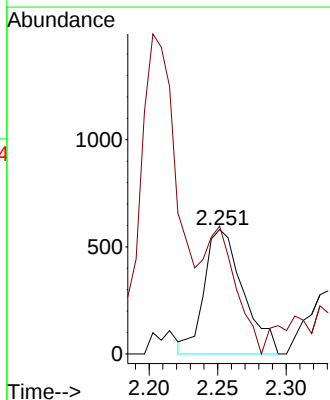
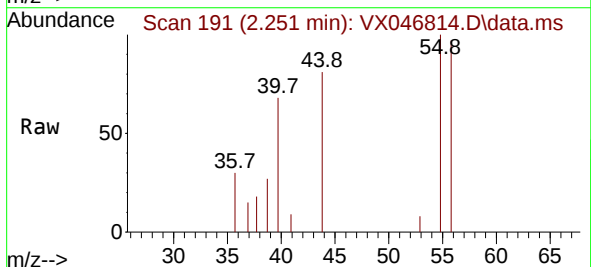
Manual Integrations  
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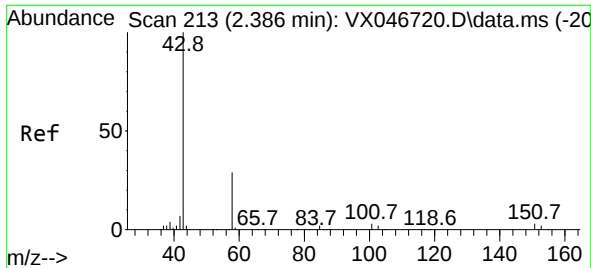
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#13  
Acrolein  
Concen: 5.531 ug/l  
RT: 2.251 min Scan# 191  
Delta R.T. 0.006 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

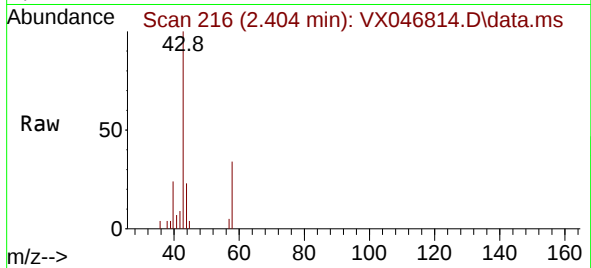
Tgt Ion: 56 Resp: 1149  
Ion Ratio Lower Upper  
56 100  
55 70.8 55.2 82.8





#16  
Acetone  
Concen: 7.553 ug/l  
RT: 2.404 min Scan# 213  
Delta R.T. 0.018 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

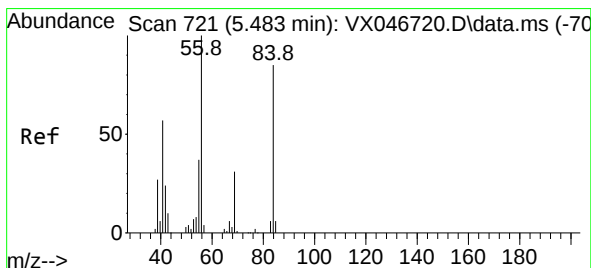
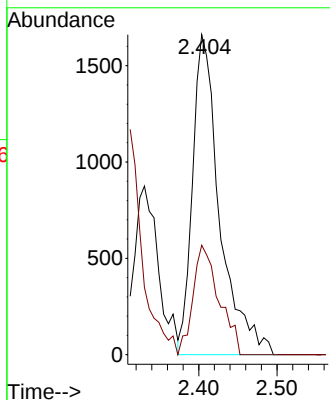
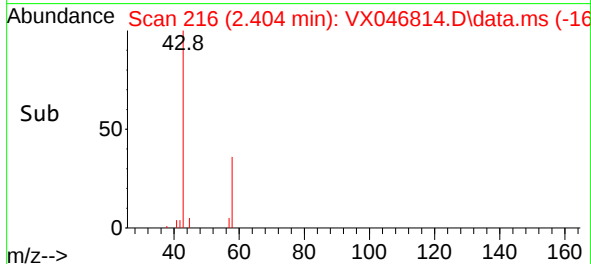
Instrument :  
MSVOA\_X  
ClientSampleId :  
3321



Tgt Ion: 43 Resp: 4002  
Ion Ratio Lower Upper  
43 100  
58 40.8 24.5 36.7

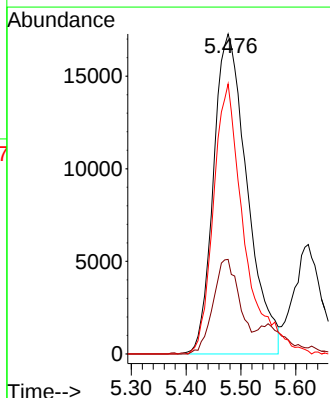
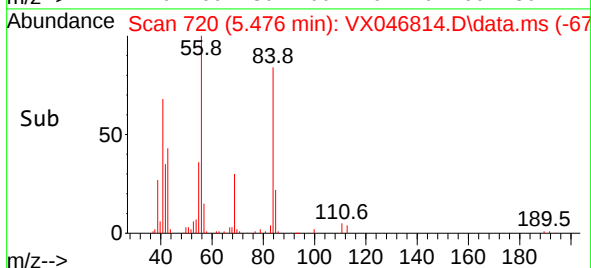
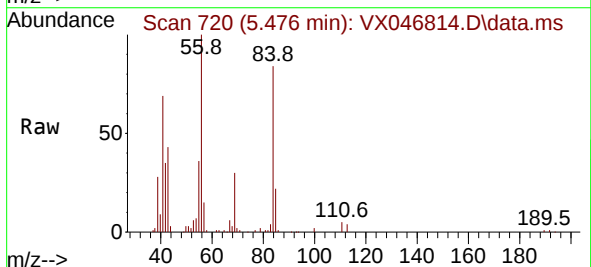
Manual Integrations  
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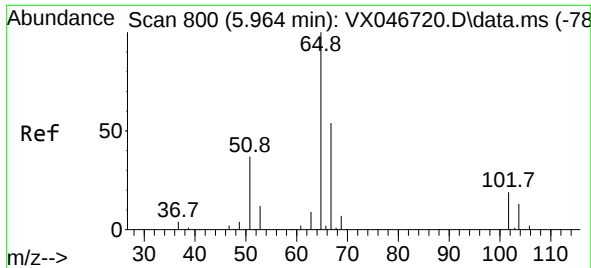
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#31  
Cyclohexane  
Concen: 31.036 ug/l  
RT: 5.476 min Scan# 720  
Delta R.T. -0.006 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

Tgt Ion: 56 Resp: 73841  
Ion Ratio Lower Upper  
56 100  
69 31.6 24.8 37.2  
84 84.4 68.2 102.2





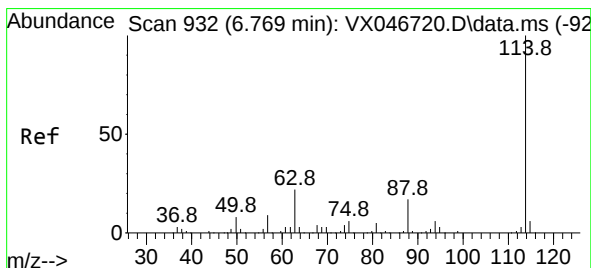
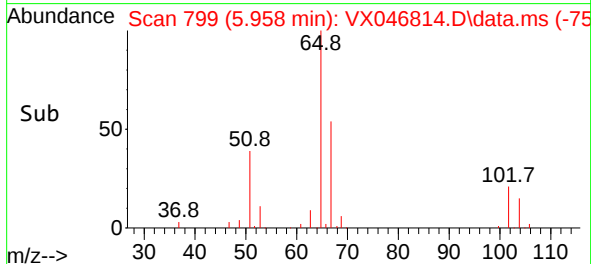
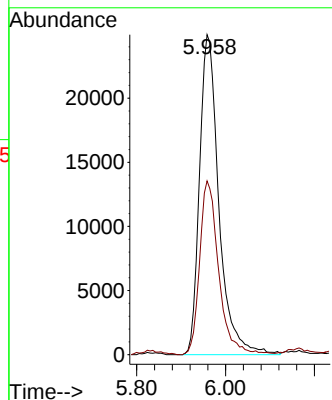
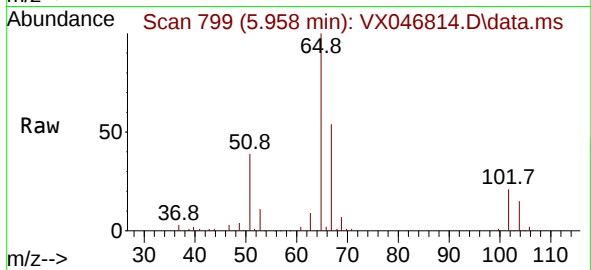
#33  
1,2-Dichloroethane-d4  
Concen: 47.583 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
3321

Tgt Ion: 65 Resp: 7560  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 105.4

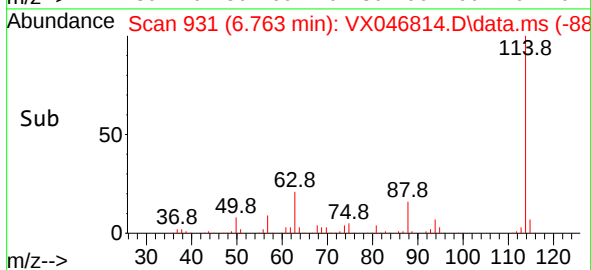
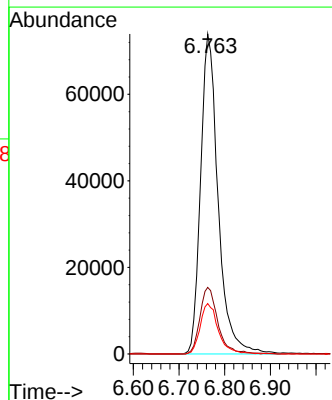
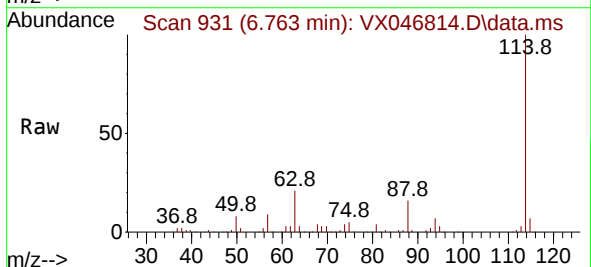
Manual Integrations  
APPROVED

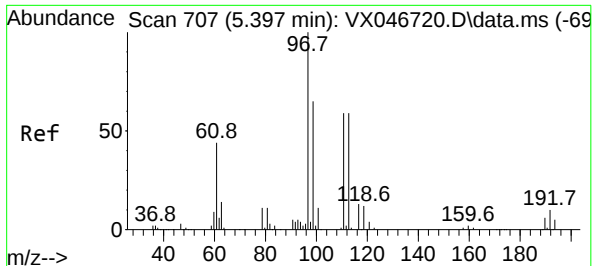
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.006 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

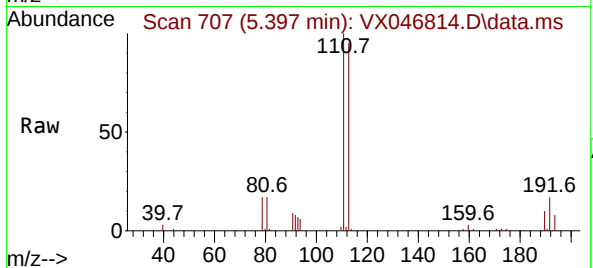
Tgt Ion:114 Resp: 197305  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 44.2  
88 15.7 0.0 33.2





#35  
Dibromofluoromethane  
Concen: 47.541 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

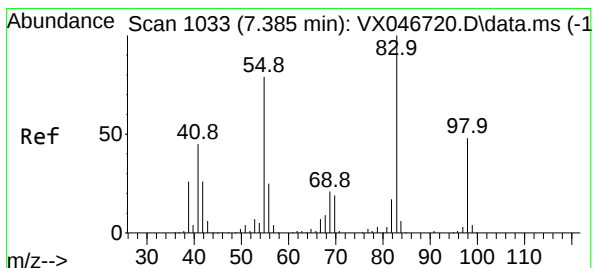
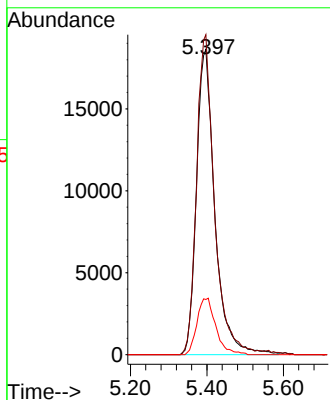
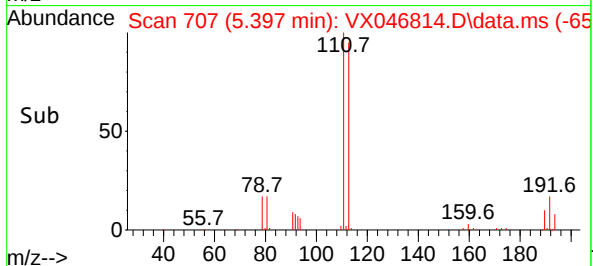
Instrument :  
MSVOA\_X  
ClientSampleId :  
3321



Tgt Ion: 113 Resp: 62062  
Ion Ratio Lower Upper  
113 100  
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192 19.0 15.3 22.9

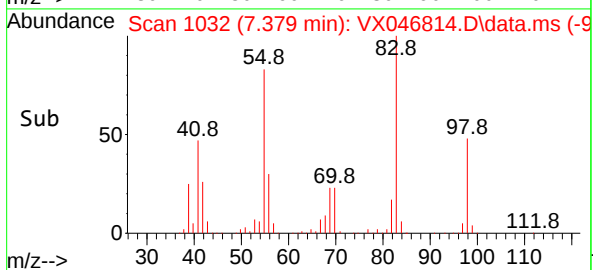
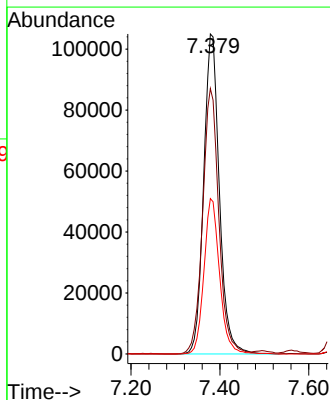
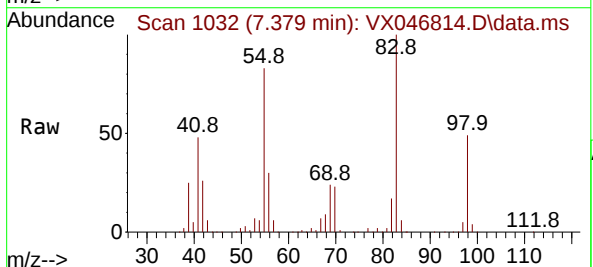
Manual Integrations  
APPROVED

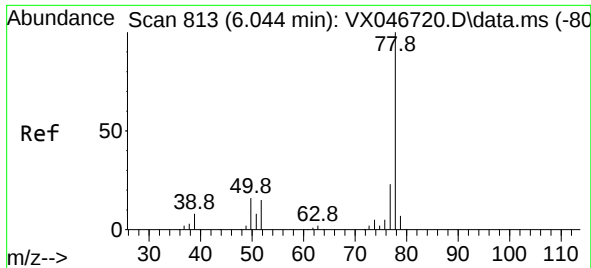
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#39  
Methylcyclohexane  
Concen: 104.219 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

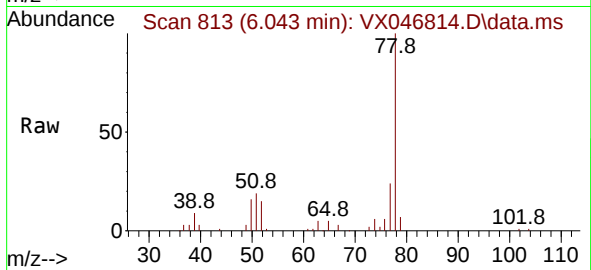
Tgt Ion: 83 Resp: 258442  
Ion Ratio Lower Upper  
83 100  
55 82.9 63.0 94.4  
98 48.5 38.8 58.2





#40  
Benzene  
Concen: 8.729 ug/l  
RT: 6.043 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

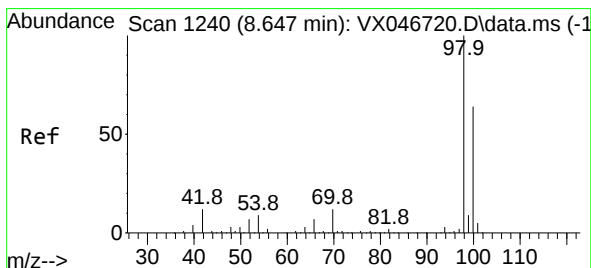
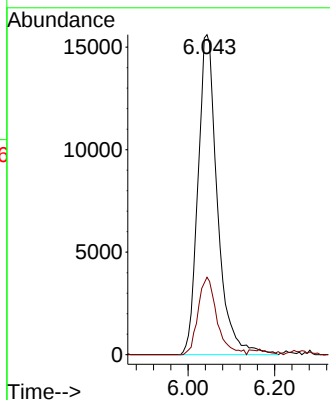
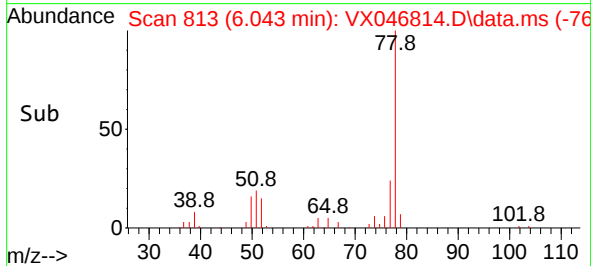
Instrument :  
MSVOA\_X  
ClientSampleId :  
3321



Tgt Ion: 78 Resp: 4868  
Ion Ratio Lower Upper  
78 100  
77 24.2 18.8 28.2

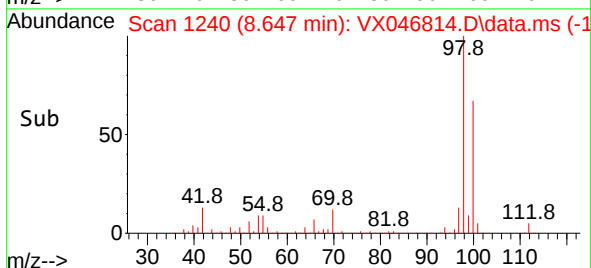
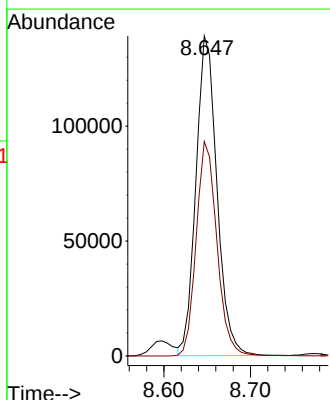
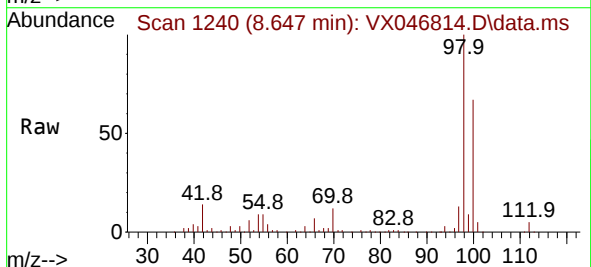
Manual Integrations  
APPROVED

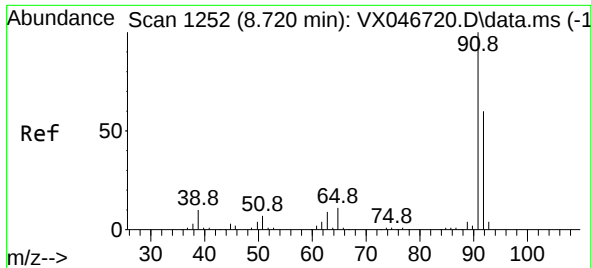
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#50  
Toluene-d8  
Concen: 50.104 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

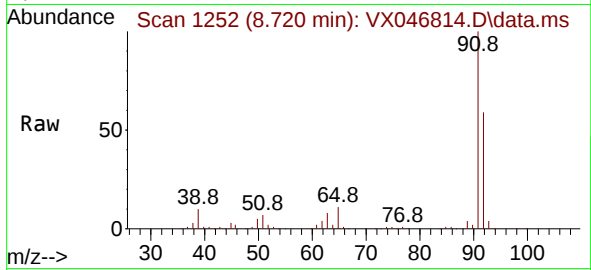
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Ion Ratio Lower Upper  
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100 66.1 53.0 79.4





#52  
Toluene  
Concen: 82.365 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

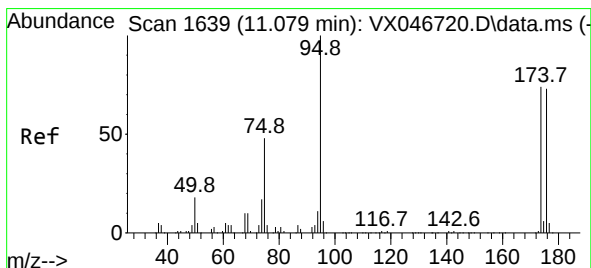
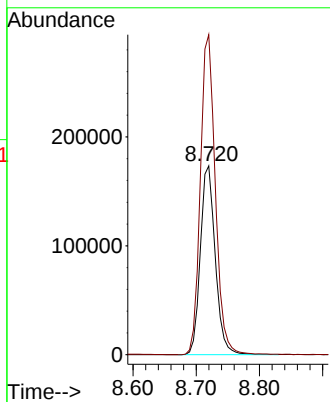
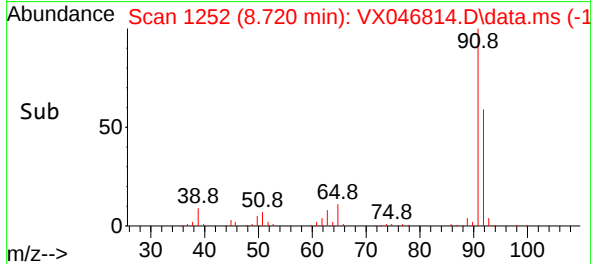
Instrument :  
MSVOA\_X  
ClientSampleId :  
3321



Tgt Ion: 92 Resp: 284768  
Ion Ratio Lower Upper  
92 100  
91 170.4 134.8 202.2

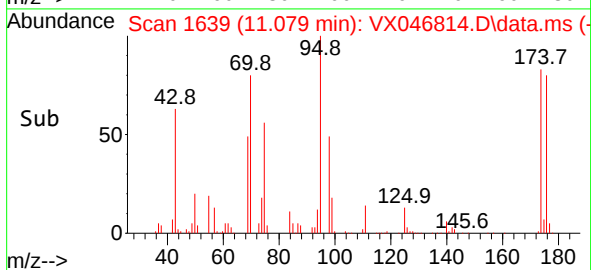
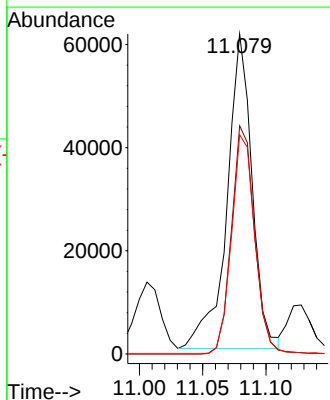
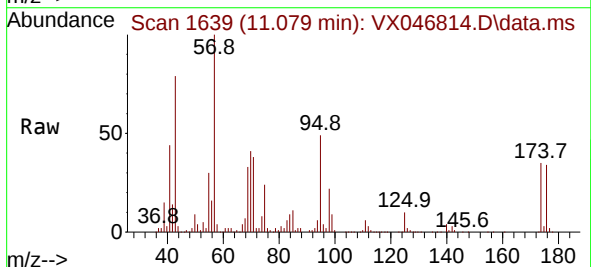
Manual Integrations  
APPROVED

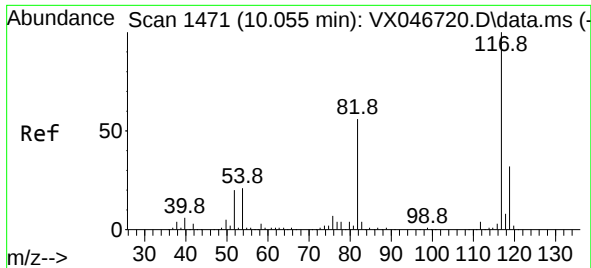
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#62  
4-Bromofluorobenzene  
Concen: 48.213 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

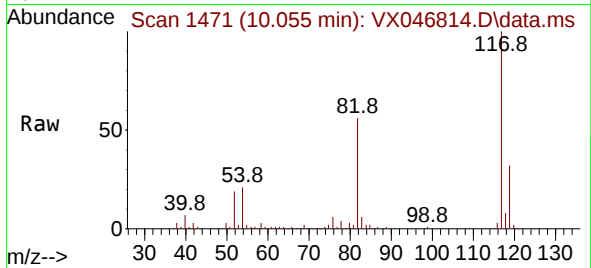
Tgt Ion: 95 Resp: 84291  
Ion Ratio Lower Upper  
95 100  
174 67.0 0.0 150.4  
176 65.2 0.0 145.0





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

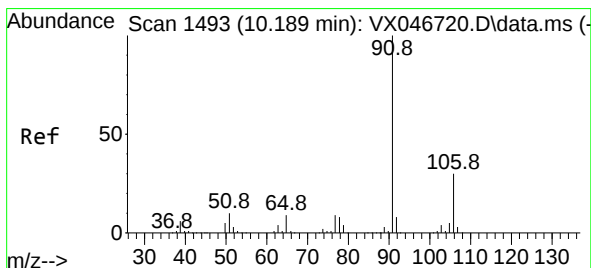
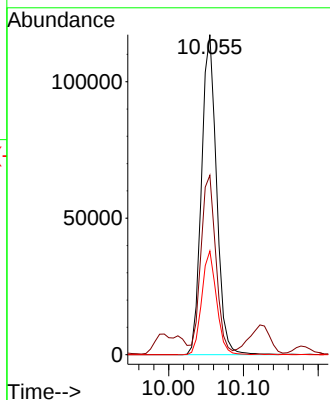
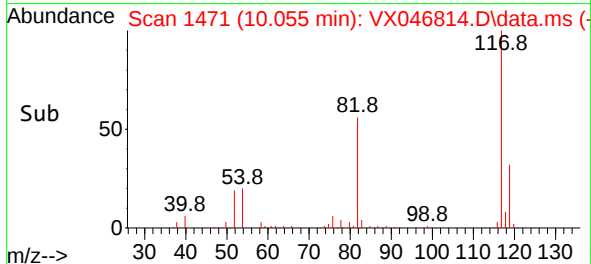
Instrument :  
MSVOA\_X  
ClientSampleId :  
3321



Tgt Ion:117 Resp: 163448  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.6 66.8  
119 32.4 25.8 38.8

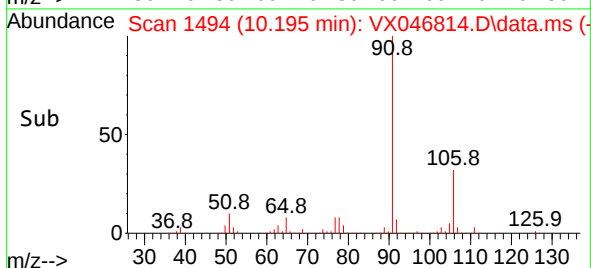
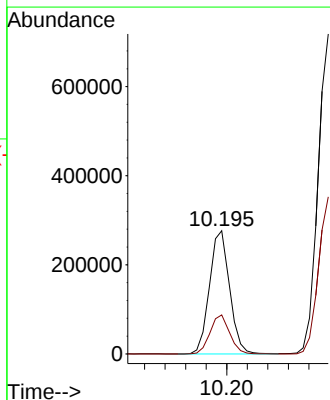
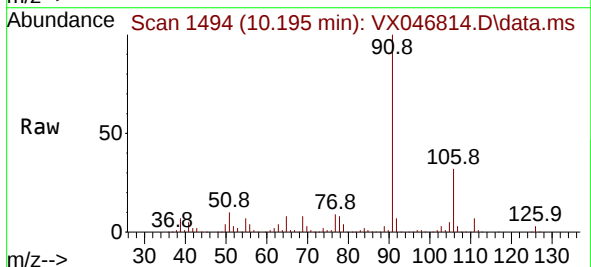
Manual Integrations  
APPROVED

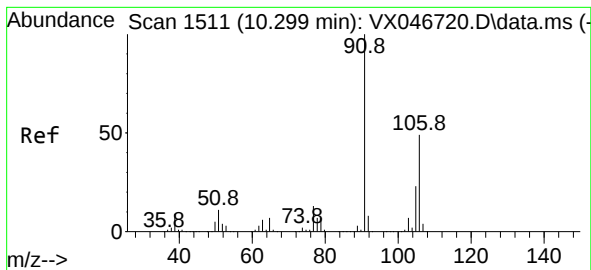
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#67  
Ethyl Benzene  
Concen: 59.753 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

Tgt Ion: 91 Resp: 376695  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.2 36.2





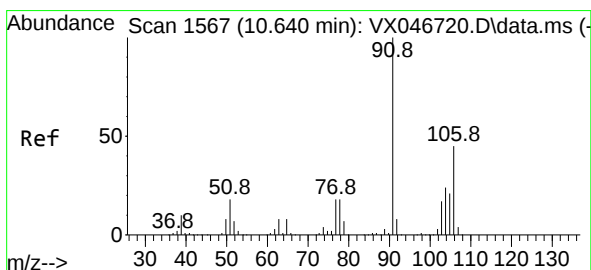
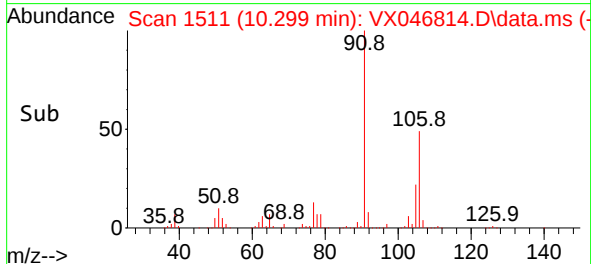
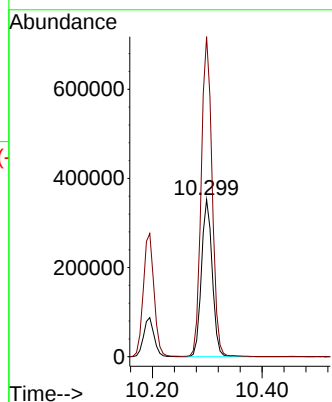
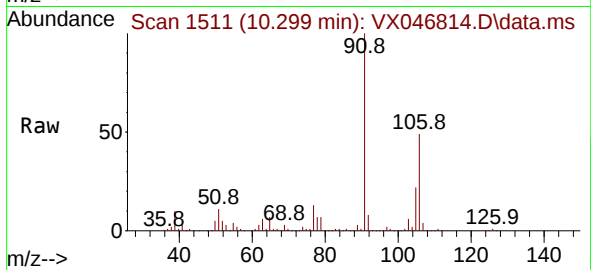
#68  
m/p-Xylenes  
Concen: 204.870 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
3321

Tgt Ion:106 Resp: 481240  
Ion Ratio Lower Upper  
106 100  
91 206.2 164.8 247.2

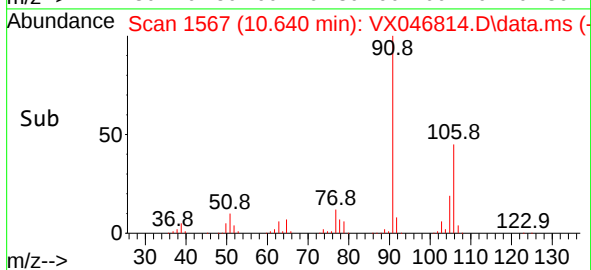
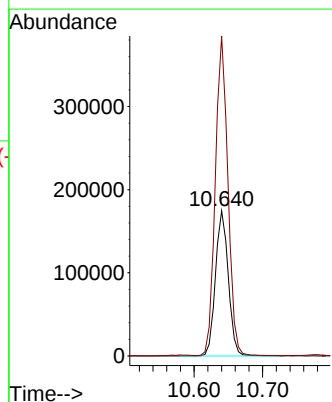
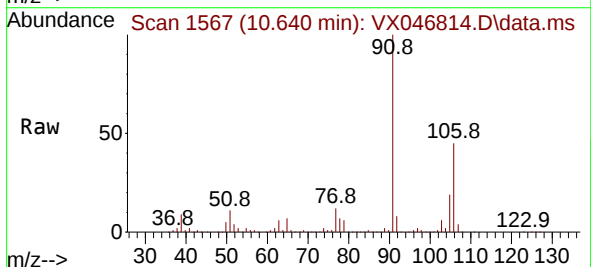
Manual Integrations  
APPROVED

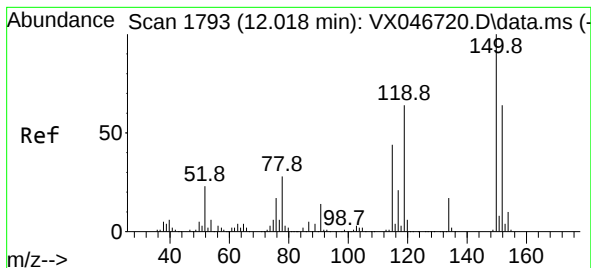
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#69  
o-Xylene  
Concen: 102.667 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

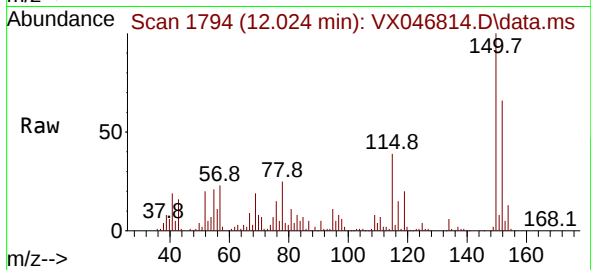
Tgt Ion:106 Resp: 226013  
Ion Ratio Lower Upper  
106 100  
91 216.5 111.3 333.9





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

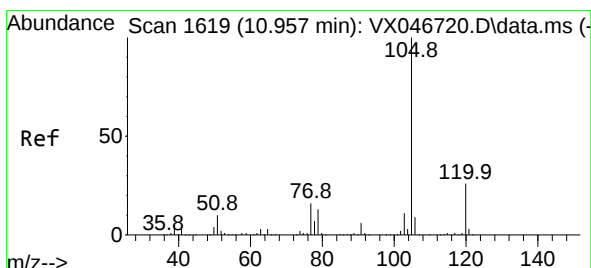
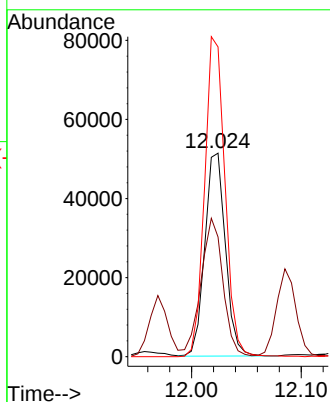
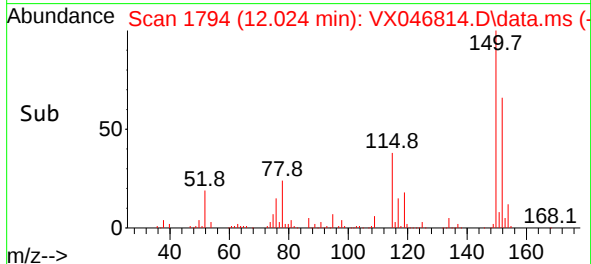
Instrument :  
MSVOA\_X  
ClientSampleId :  
3321



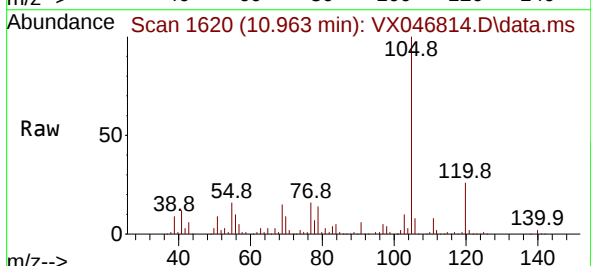
Tgt Ion:152 Resp: 6712  
Ion Ratio Lower Upper  
152 100  
115 72.3 43.2 129.6  
150 155.3 0.0 346.8

Manual Integrations  
APPROVED

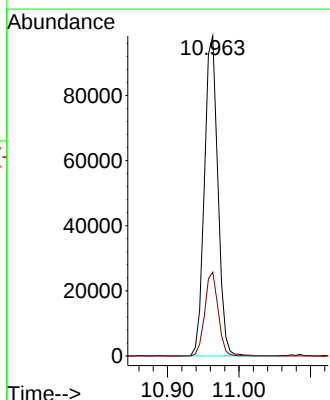
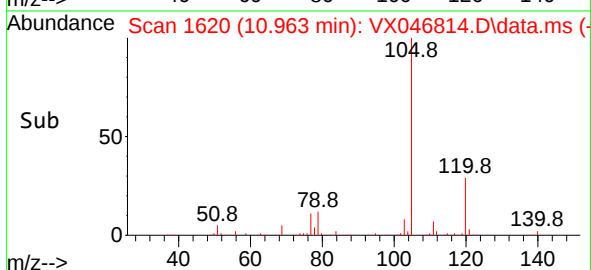
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025

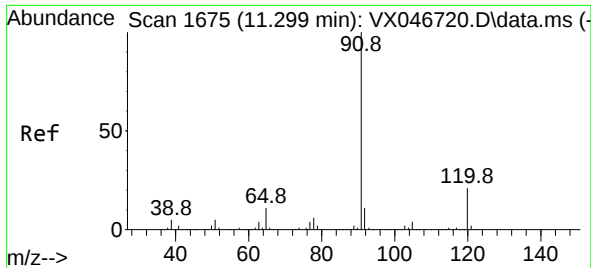


#73  
Isopropylbenzene  
Concen: 25.997 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.006 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03



Tgt Ion:105 Resp: 128516  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.0 39.0





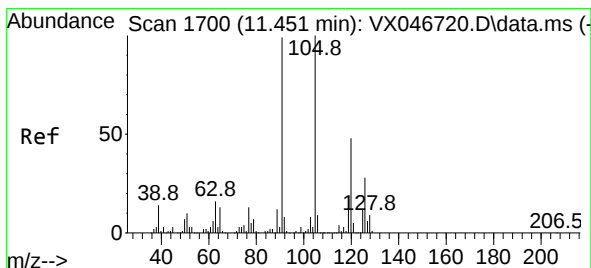
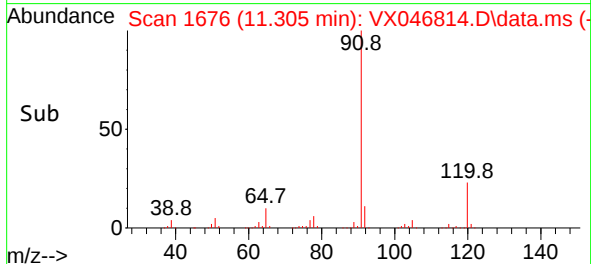
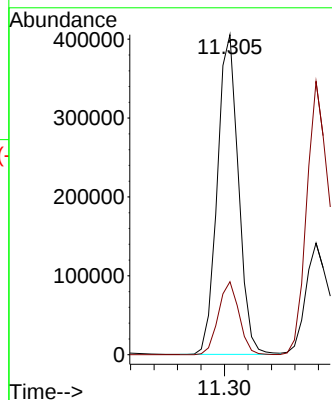
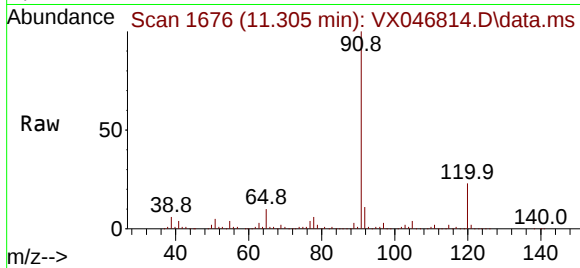
#78  
n-propylbenzene  
Concen: 86.409 ug/l  
RT: 11.305 min Scan# 1675  
Delta R.T. 0.006 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
3321

Tgt Ion: 91 Resp: 507370  
Ion Ratio Lower Upper  
91 100  
120 22.3 11.4 34.1

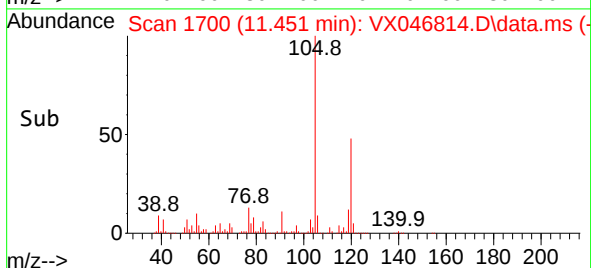
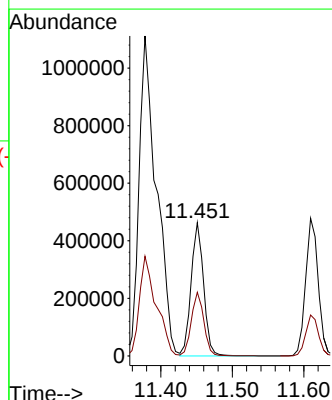
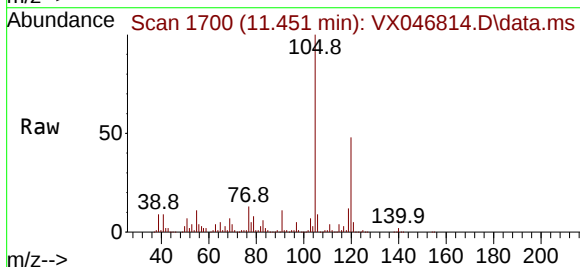
Manual Integrations  
APPROVED

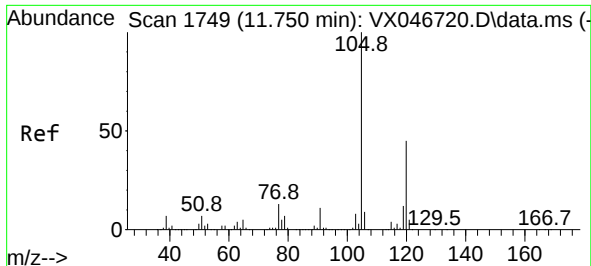
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#80  
1,3,5-Trimethylbenzene  
Concen: 138.638 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

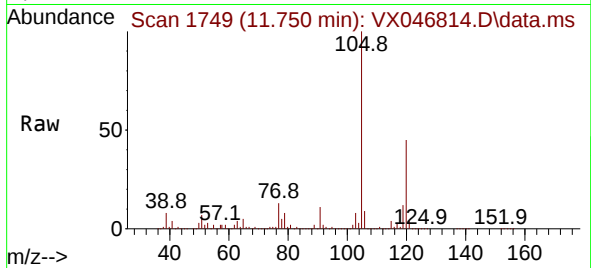
Tgt Ion:105 Resp: 563211  
Ion Ratio Lower Upper  
105 100  
120 47.9 24.1 72.2





#84  
1,2,4-Trimethylbenzene  
Concen: 504.592 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

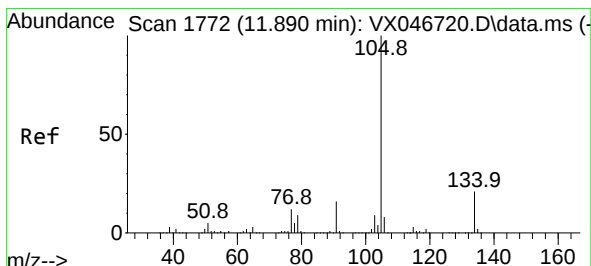
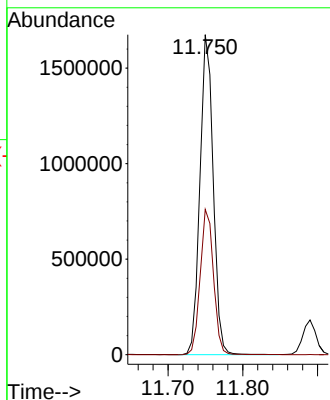
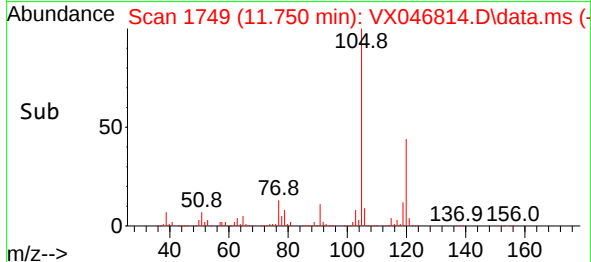
Instrument :  
MSVOA\_X  
ClientSampleId :  
3321



Tgt Ion:105 Resp: 2059528  
Ion Ratio Lower Upper  
105 100  
120 45.7 22.1 66.3

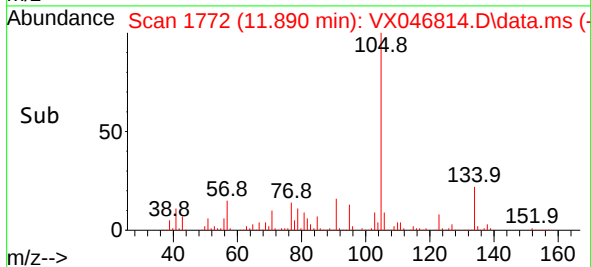
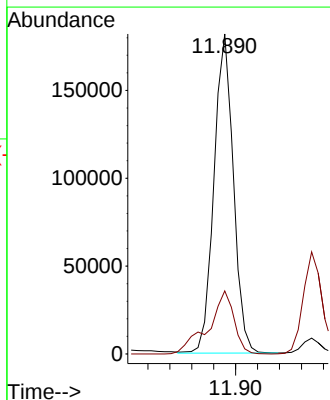
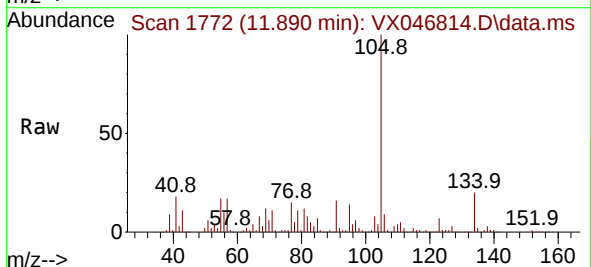
Manual Integrations  
APPROVED

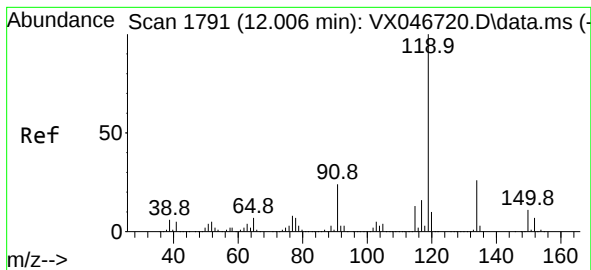
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#85  
sec-Butylbenzene  
Concen: 42.065 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

Tgt Ion:105 Resp: 223244  
Ion Ratio Lower Upper  
105 100  
134 26.0 9.8 29.4





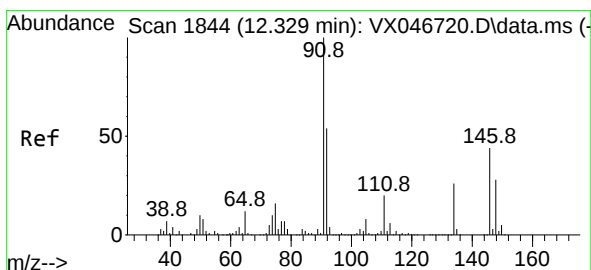
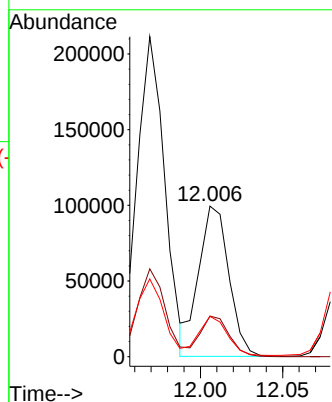
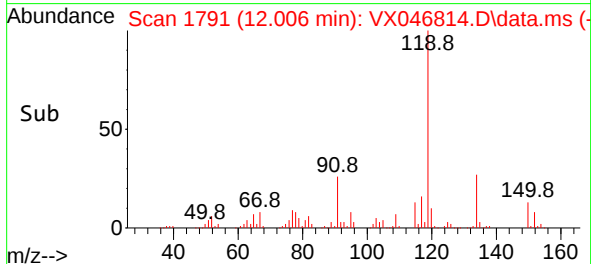
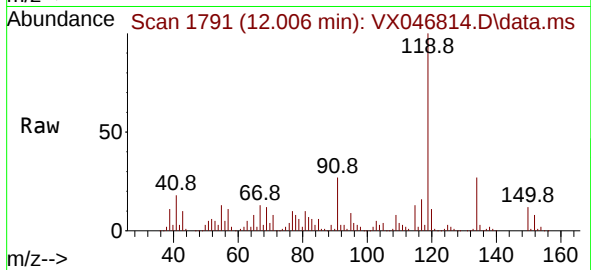
#86  
p-Isopropyltoluene  
Concen: 28.327 ug/l  
RT: 12.006 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
3321

Tgt Ion:119 Resp: 12684  
Ion Ratio Lower Upper  
119 100  
134 25.0 12.9 38.7  
91 24.6 12.3 36.9

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#89  
n-Butylbenzene  
Concen: 83.244 ug/l m  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: VX046814.D  
Acq: 23 Jun 2025 13:03

Tgt Ion: 91 Resp: 353921  
Ion Ratio Lower Upper  
91 100  
92 53.6 27.1 81.3  
134 111.8 12.9 38.6#

