

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060425\  
 Data File : VX046511.D  
 Acq On : 04 Jun 2025 19:24  
 Operator : JC/MD  
 Sample : Q2175-06DL 2000X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EGR-LIQUIDDL

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025  
 Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 02:08:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 59504               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 119621              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 116052              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018         | 152  | 50959               | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 59083               | 53.259  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 106.520% |         |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 43929               | 50.997  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 102.000% |         |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 150342              | 50.426  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 100.860% |         |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 63107               | 55.181  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 110.360% |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         | Qvalue |          |
| 16) Acetone                 | 2.386          | 43   | 282295              | 634.662 | ug/l   | 96       |
| 52) Toluene                 | 8.720          | 92   | 1531                | 0.737   | ug/l   | 93       |
| 67) Ethyl Benzene           | 10.195         | 91   | 8728                | 1.949   | ug/l   | 96       |
| 68) m/p-Xylenes             | 10.299         | 106  | 12959               | 7.913   | ug/l   | 95       |
| 69) o-Xylene                | 10.640         | 106  | 11972               | 7.499   | ug/l   | 85       |
| 73) Isopropylbenzene        | 10.963         | 105  | 14942               | 3.766   | ug/l   | 96       |
| 78) n-propylbenzene         | 11.305         | 91   | 65610               | 14.223  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 67023               | 20.222  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 196369              | 58.505  | ug/l   | 99       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 16139               | 3.937   | ug/l   | 88       |
| 86) p-Isopropyltoluene      | 12.006         | 119  | 6651m               | 1.966   | ug/l   |          |
| 89) n-Butylbenzene          | 12.329         | 91   | 7540m               | 2.540   | ug/l   |          |
| 95) Naphthalene             | 13.780         | 128  | 1128                | 0.317   | ug/l # | 89       |
| -----                       |                |      |                     |         |        |          |

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

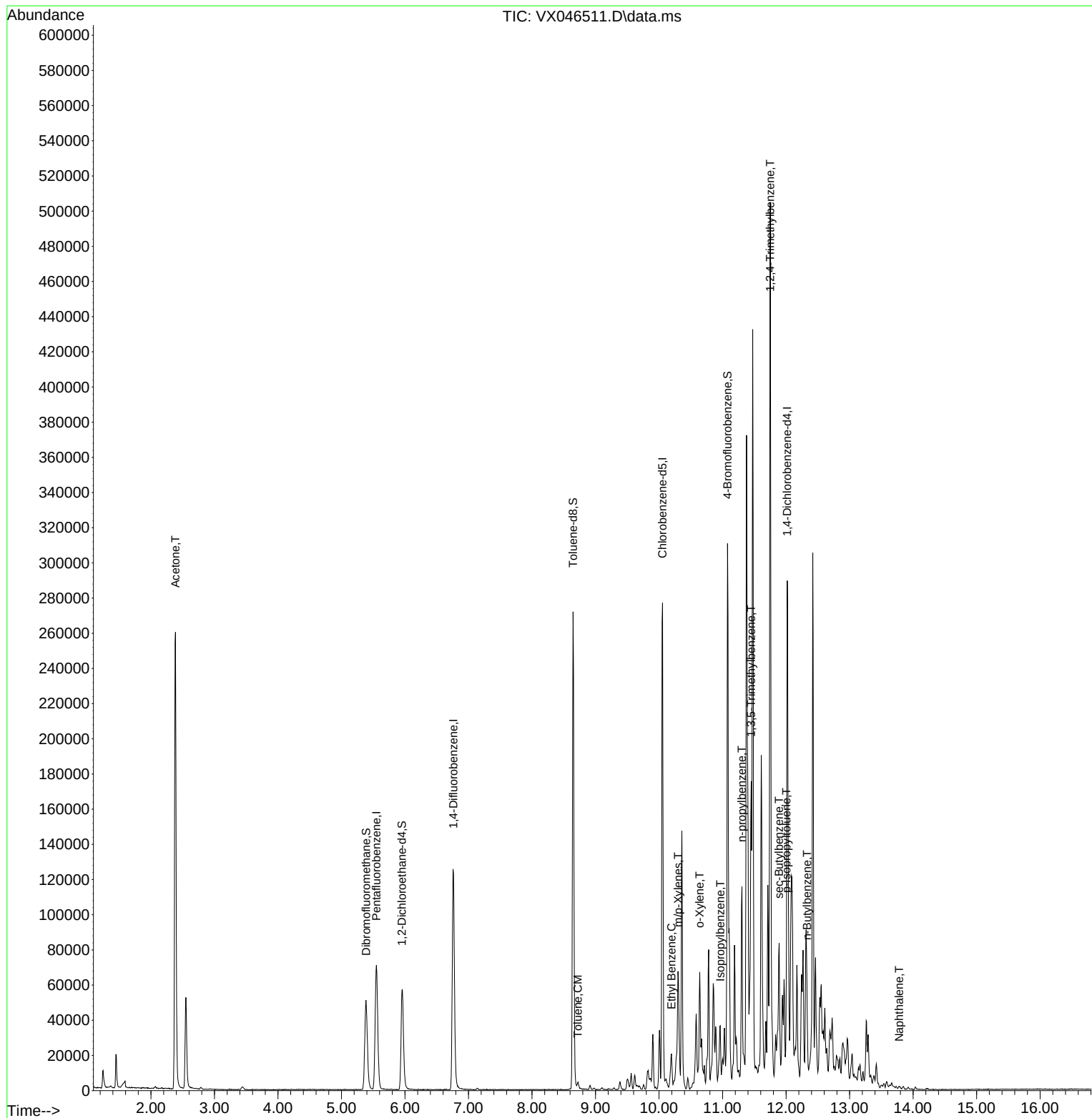
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060425\  
Data File : VX046511.D  
Acq On : 04 Jun 2025 19:24  
Operator : JC/MD  
Sample : Q2175-06DL 2000X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 25 Sample Multiplier: 1

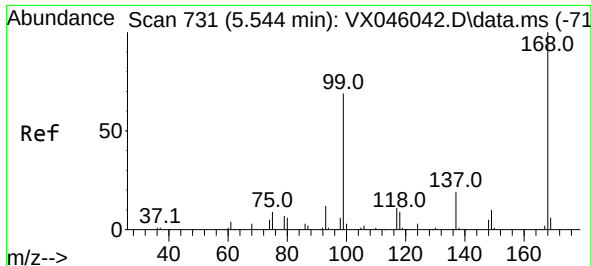
Instrument :  
MSVOA\_X  
ClientSampleId :  
EGR-LIQUIDDL

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025  
Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 02:08:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration





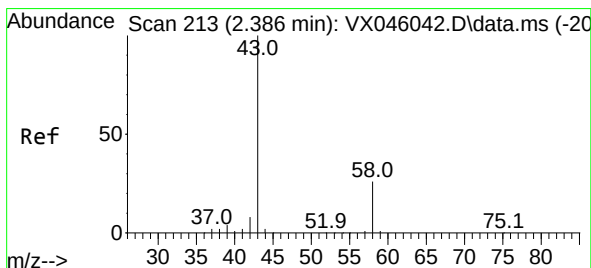
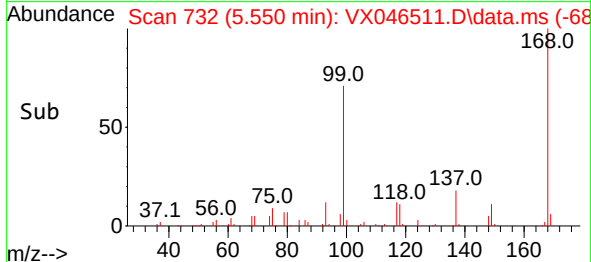
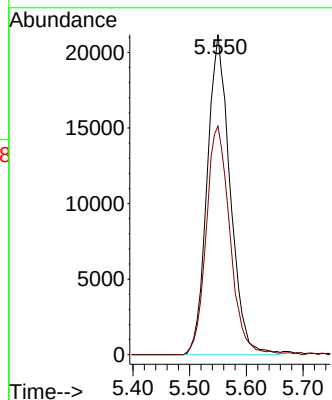
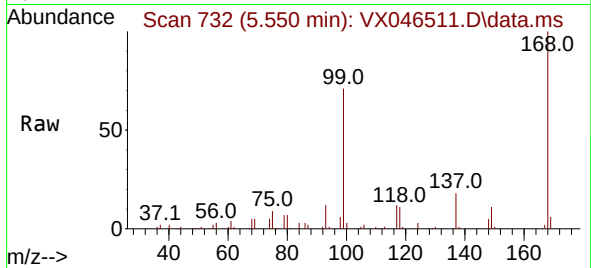
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
EGR-LIQUDDL

Tgt Ion:168 Resp: 59504  
Ion Ratio Lower Upper  
168 100  
99 71.4 54.9 82.3

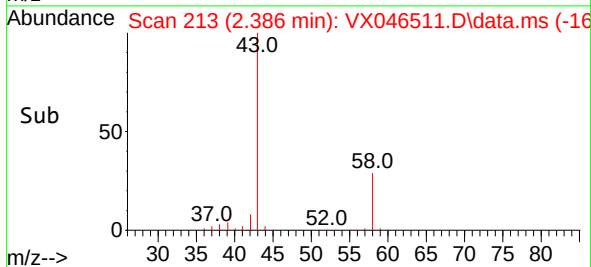
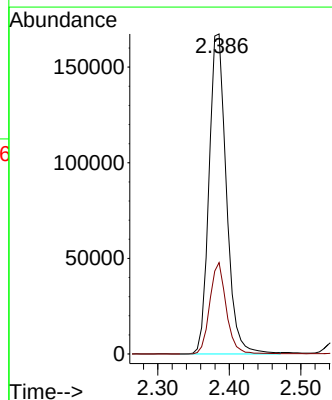
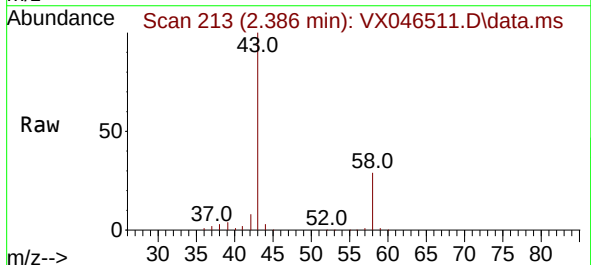
Manual Integrations  
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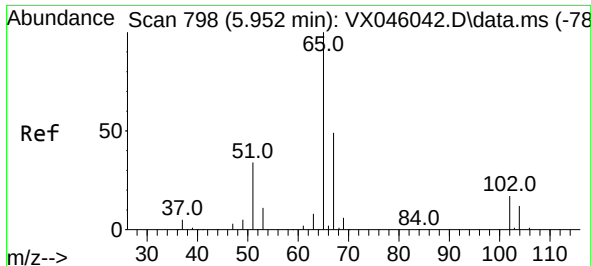
Reviewed By :Mahesh Dadoda 06/05/2025  
Supervised By :Semsettin Yesilyurt 06/05/2025



#16  
Acetone  
Concen: 634.662 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

Tgt Ion: 43 Resp: 282295  
Ion Ratio Lower Upper  
43 100  
58 28.6 21.2 31.8





#33

1,2-Dichloroethane-d4

Concen: 53.259 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046511.D

Acq: 04 Jun 2025 19:24

Instrument :

MSVOA\_X

ClientSampleId :

EGR-LIQUIDDL

Tgt Ion: 65 Resp: 5908

Ion Ratio Lower Upper

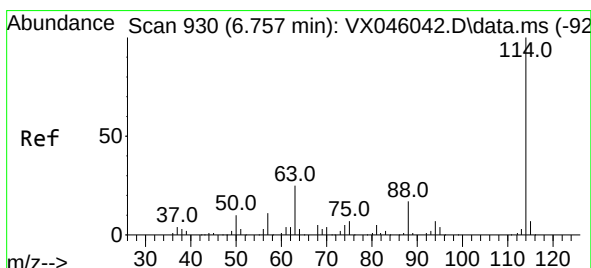
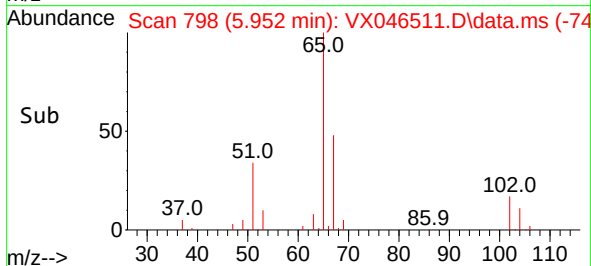
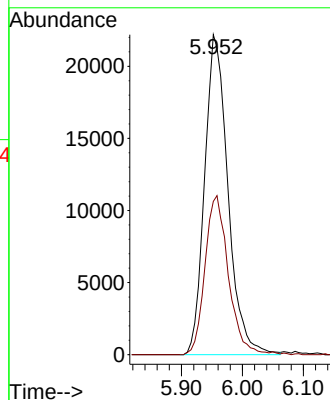
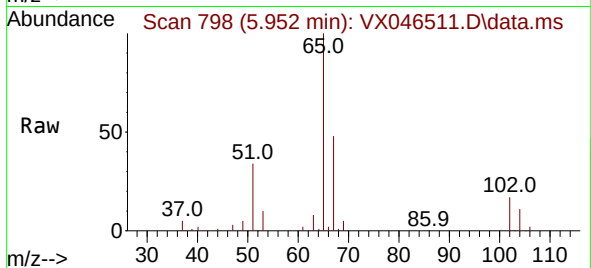
65 100

67 50.0 0.0 99.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/05/2025  
Supervised By :Semsettin Yesilyurt 06/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX046511.D

Acq: 04 Jun 2025 19:24

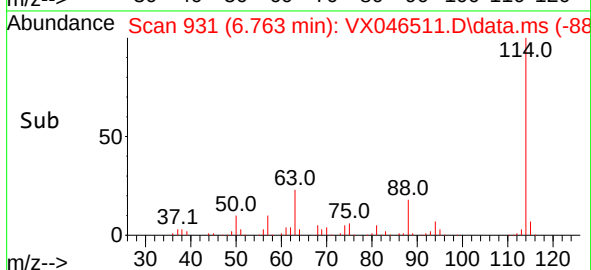
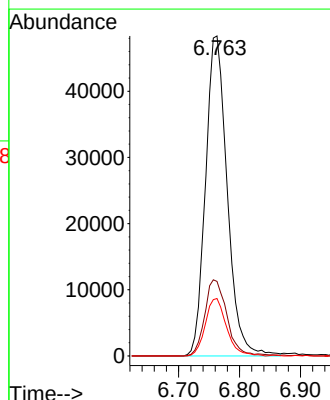
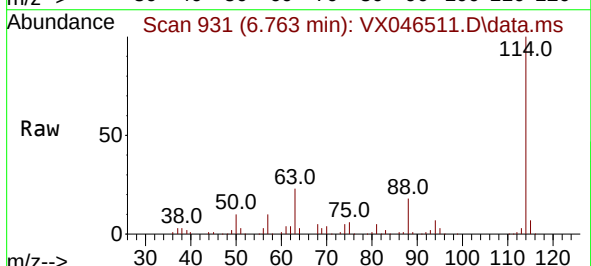
Tgt Ion:114 Resp: 119621

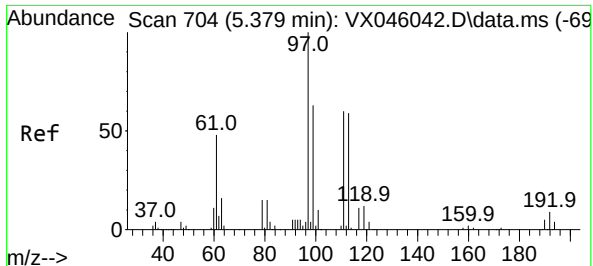
Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.2

88 18.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.997 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046511.D

Acq: 04 Jun 2025 19:24

Instrument :

MSVOA\_X

ClientSampleId :

EGR-LIQUIDDL

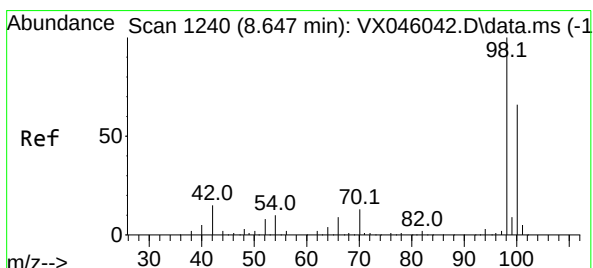
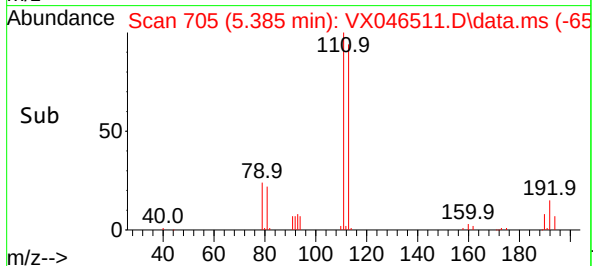
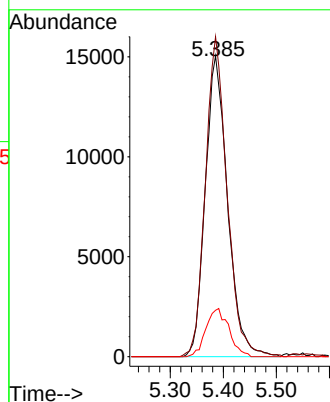
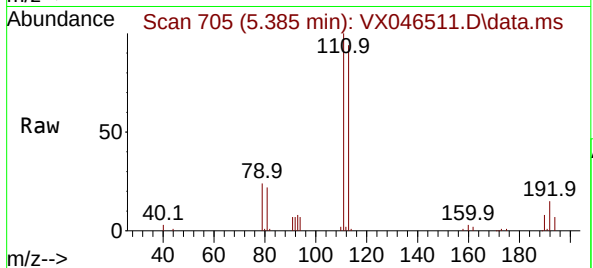
Tgt Ion:113 Resp: 43929

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.6 | 83.1  | 124.7 |
| 192 | 16.5  | 13.3  | 19.9  |

Manual Integrations

APPROVED

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Supervised By :Semsettin Yesilyurt 06/05/2025



#50

Toluene-d8

Concen: 50.426 ug/l

RT: 8.647 min Scan# 1240

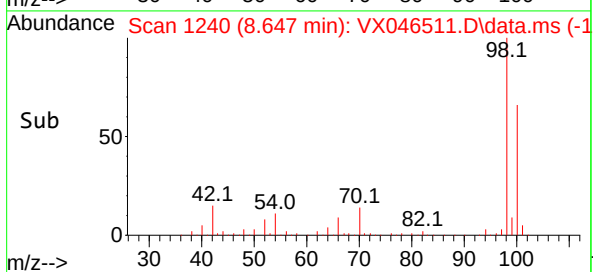
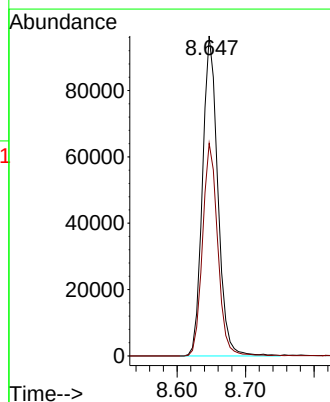
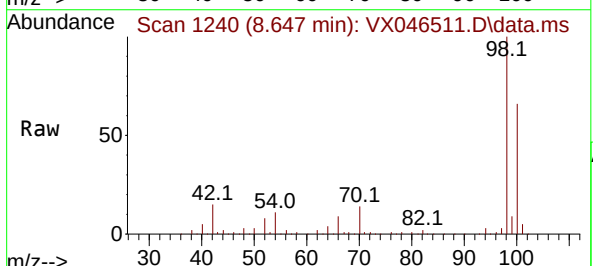
Delta R.T. -0.000 min

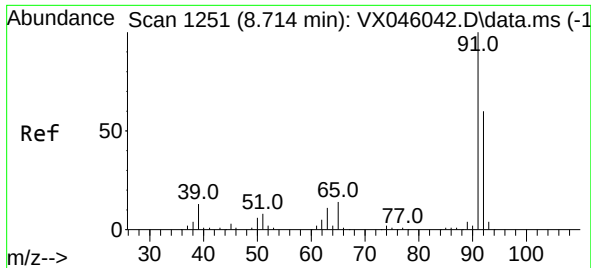
Lab File: VX046511.D

Acq: 04 Jun 2025 19:24

Tgt Ion: 98 Resp: 150342

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 65.8  | 53.5  | 80.3  |





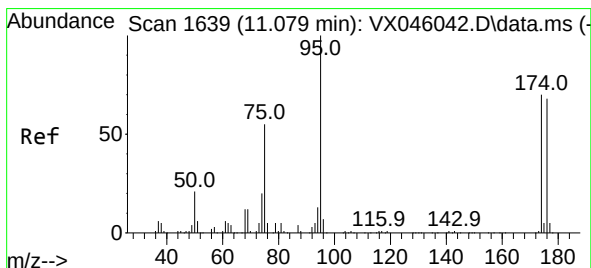
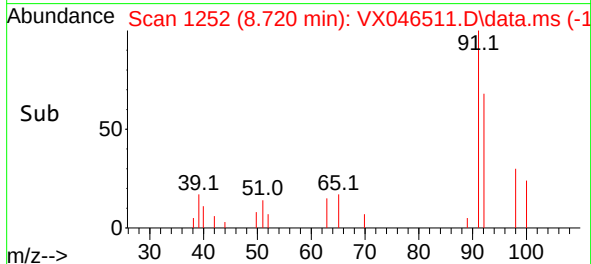
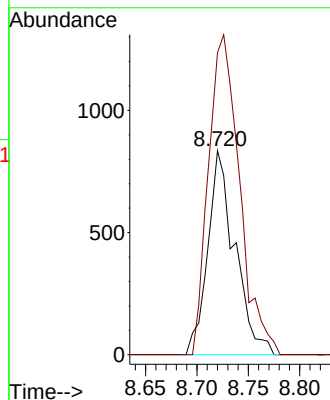
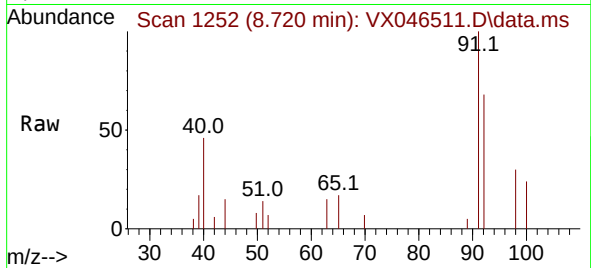
#52  
Toluene  
Concen: 0.737 ug/l  
RT: 8.720 min Scan# 1251  
Delta R.T. 0.006 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
EGR-LIQUIDDL

Tgt Ion: 92 Resp: 153  
Ion Ratio Lower Upper  
92 100  
91 180.1 136.6 205.0

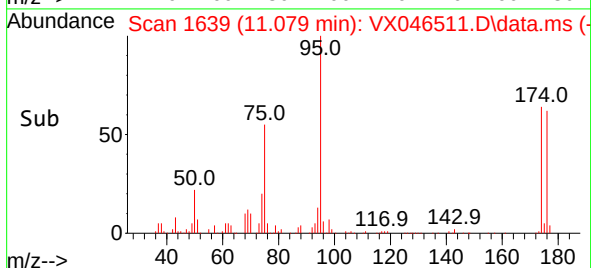
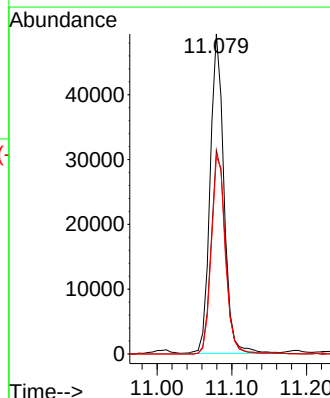
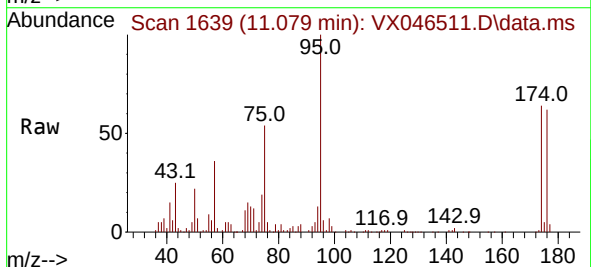
Manual Integrations  
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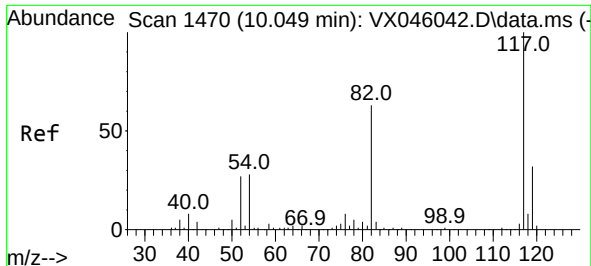
Reviewed By :Mahesh Dadoda 06/05/2025  
Supervised By :Semsettin Yesilyurt 06/05/2025



#62  
4-Bromofluorobenzene  
Concen: 55.181 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

Tgt Ion: 95 Resp: 63107  
Ion Ratio Lower Upper  
95 100  
174 65.9 0.0 135.8  
176 63.1 0.0 131.4





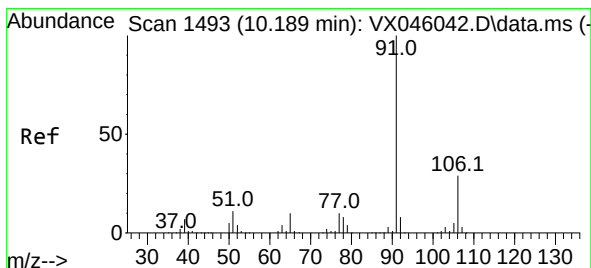
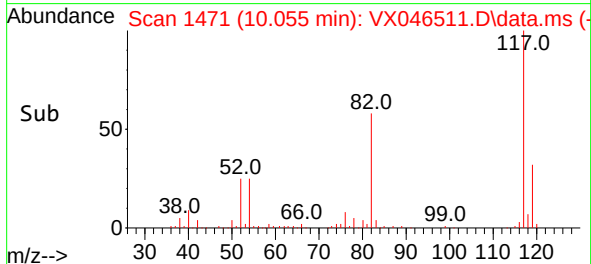
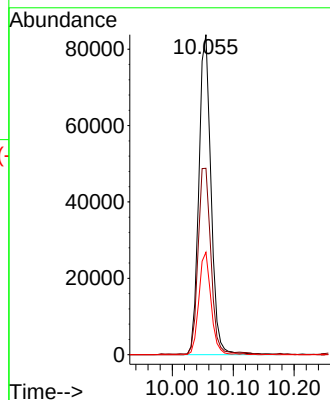
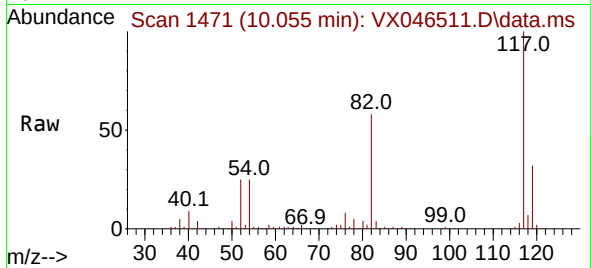
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
EGR-LIQUIDDL

Tgt Ion:117 Resp: 116052  
Ion Ratio Lower Upper  
117 100  
82 58.0 50.6 76.0  
119 32.0 25.8 38.6

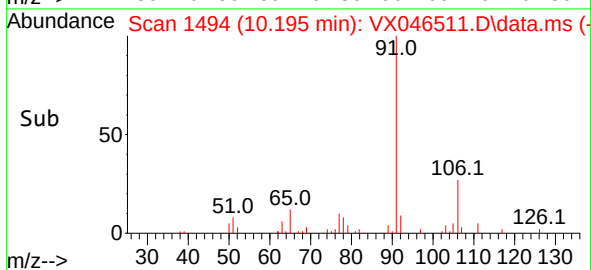
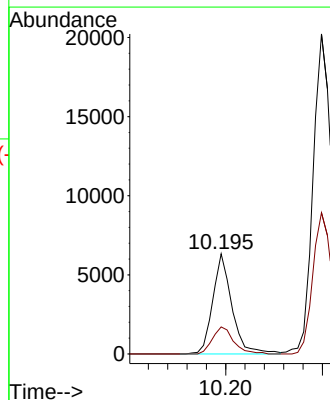
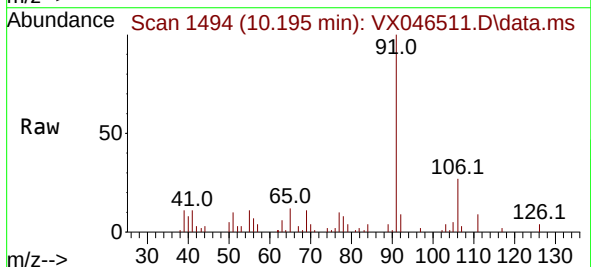
Manual Integrations  
APPROVED

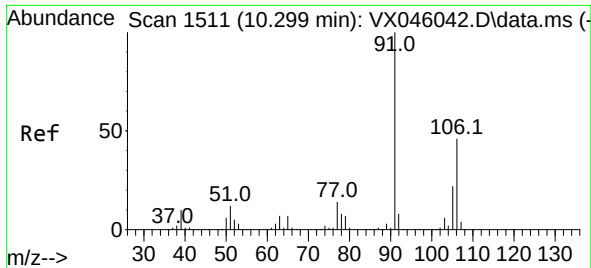
Reviewed By :Mahesh Dadoda 06/05/2025  
Supervised By :Semsettin Yesilyurt 06/05/2025



#67  
Ethyl Benzene  
Concen: 1.949 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

Tgt Ion: 91 Resp: 8728  
Ion Ratio Lower Upper  
91 100  
106 26.9 23.4 35.2





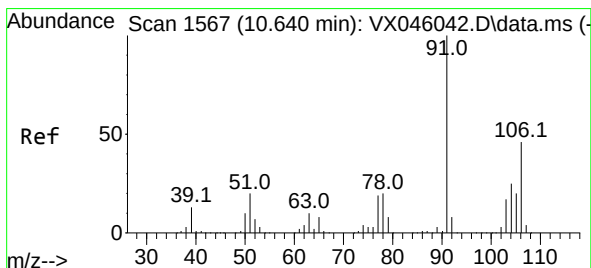
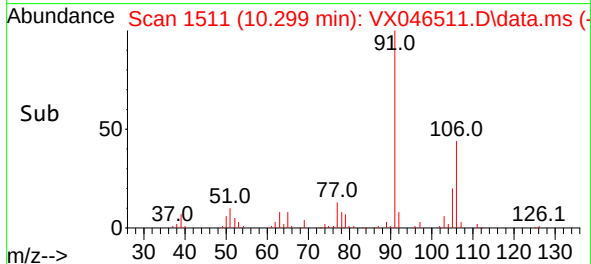
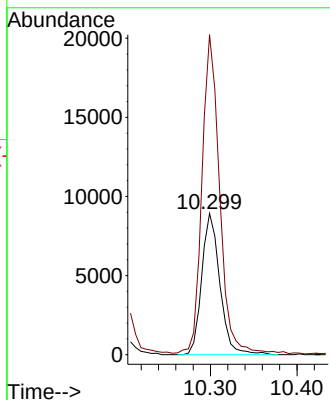
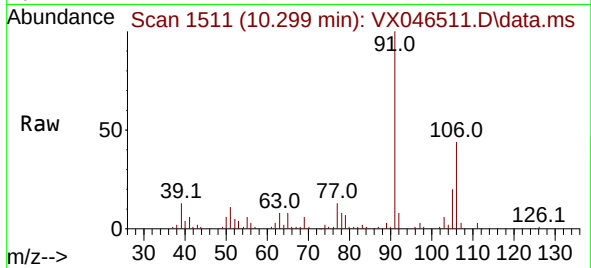
#68  
m/p-Xylenes  
Concen: 7.913 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
EGR-LIQUIDDL

Tgt Ion:106 Resp: 1295  
Ion Ratio Lower Upper  
106 100  
91 221.6 171.2 256.8

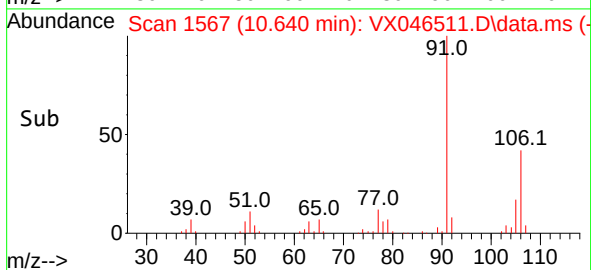
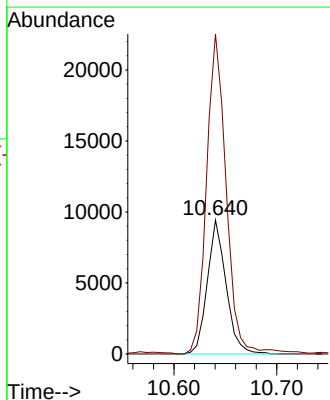
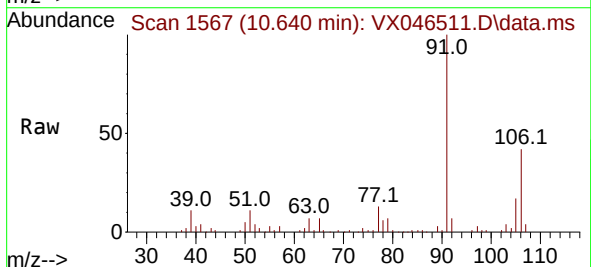
Manual Integrations  
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Supervised By :Semsettin Yesilyurt 06/05/2025

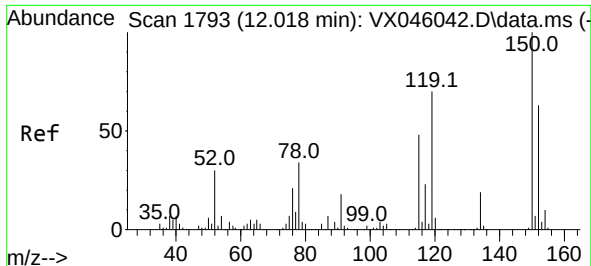


#69  
o-Xylene  
Concen: 7.499 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

Tgt Ion:106 Resp: 11972  
Ion Ratio Lower Upper  
106 100  
91 250.4 112.7 338.1

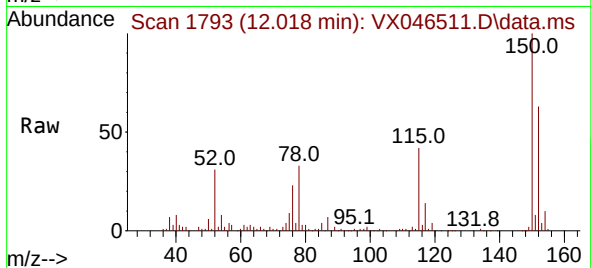






#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

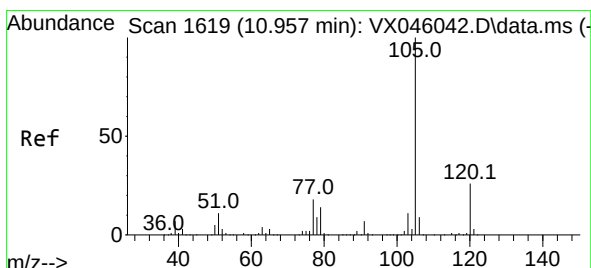
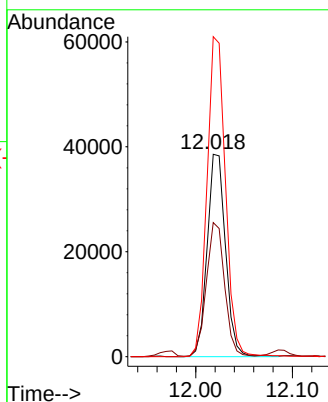
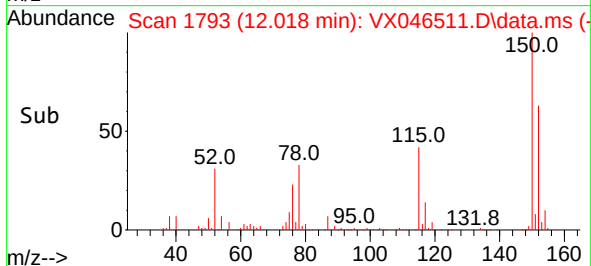
Instrument :  
MSVOA\_X  
ClientSampleId :  
EGR-LIQUIDDL



Tgt Ion:152 Resp: 50958  
Ion Ratio Lower Upper  
152 100  
115 66.1 46.9 140.7  
150 159.4 0.0 351.0

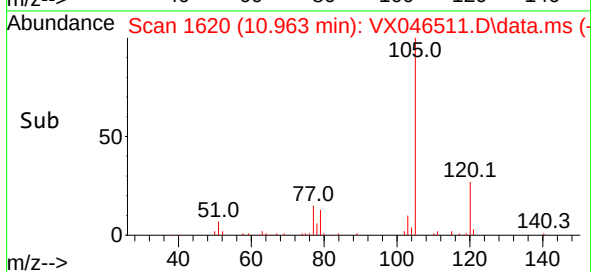
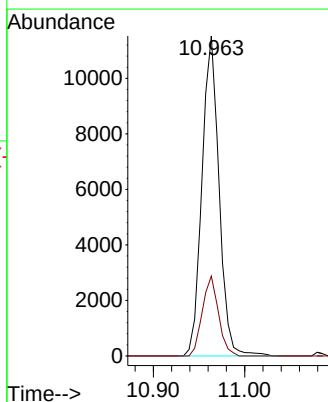
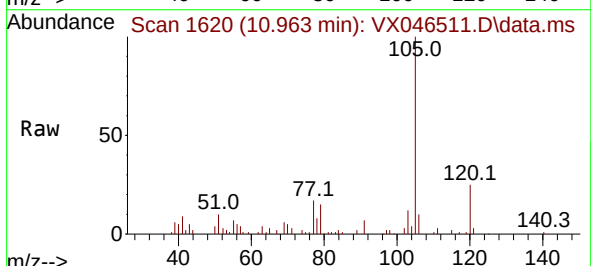
Manual Integrations  
APPROVED

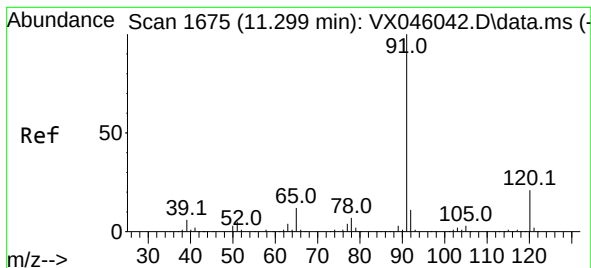
Reviewed By :Mahesh Dadoda 06/05/2025  
Supervised By :Semsettin Yesilyurt 06/05/2025



#73  
Isopropylbenzene  
Concen: 3.766 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.006 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

Tgt Ion:105 Resp: 14942  
Ion Ratio Lower Upper  
105 100  
120 23.5 12.8 38.4





#78

n-propylbenzene

Concen: 14.223 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046511.D

Acq: 04 Jun 2025 19:24

Instrument :

MSVOA\_X

ClientSampleId :

EGR-LIQUIDDL

Tgt Ion: 91 Resp: 65610

Ion Ratio Lower Upper

91 100

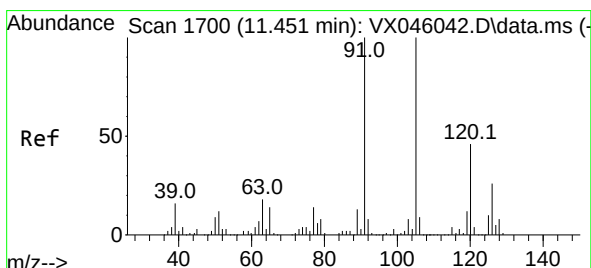
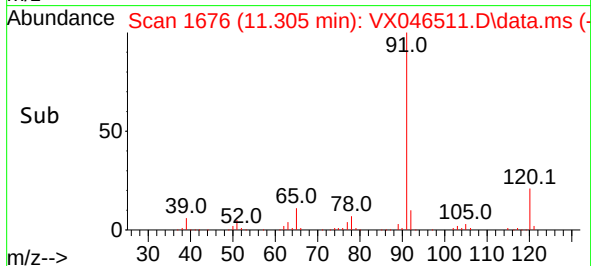
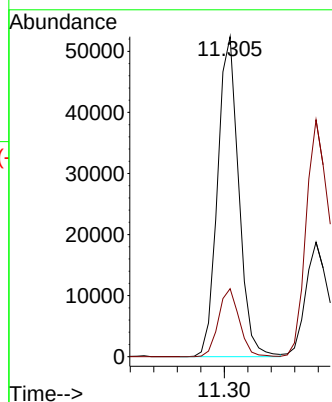
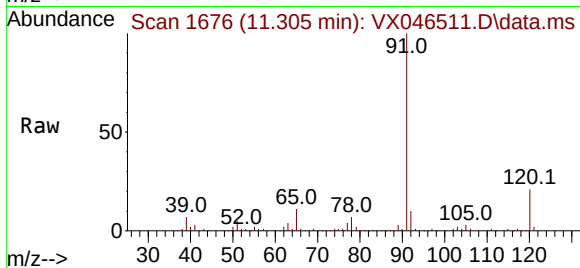
120 20.9 10.8 32.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/05/2025

Supervised By :Semsettin Yesilyurt 06/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.222 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046511.D

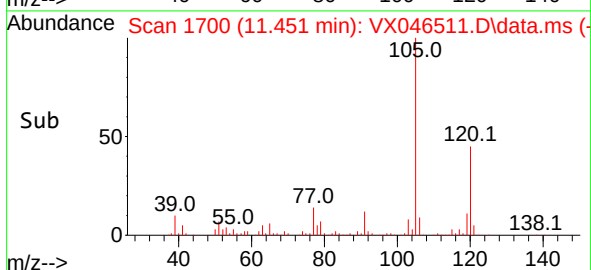
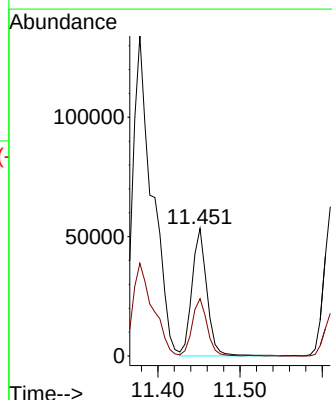
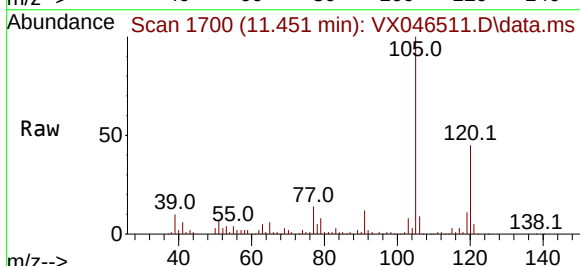
Acq: 04 Jun 2025 19:24

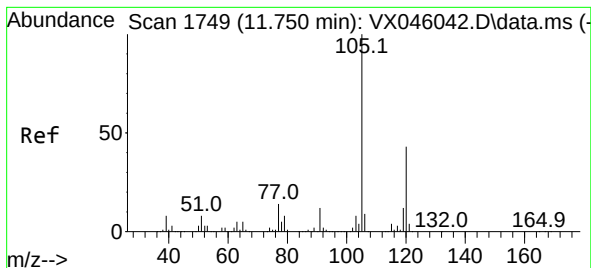
Tgt Ion:105 Resp: 67023

Ion Ratio Lower Upper

105 100

120 44.8 23.1 69.2





#84

1,2,4-Trimethylbenzene

Concen: 58.505 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046511.D

Acq: 04 Jun 2025 19:24

Instrument :

MSVOA\_X

ClientSampleId :

EGR-LIQUIDDL

Tgt Ion:105 Resp: 196369

Ion Ratio Lower Upper

105 100

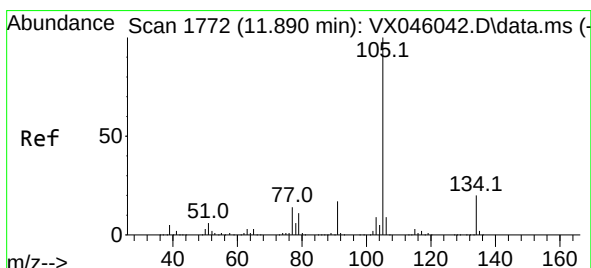
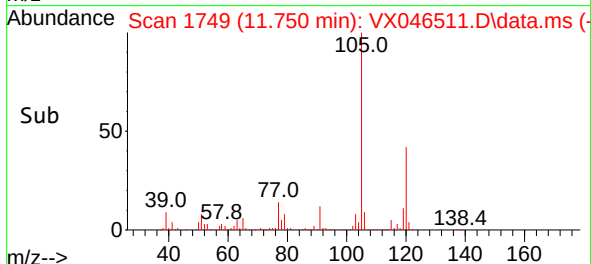
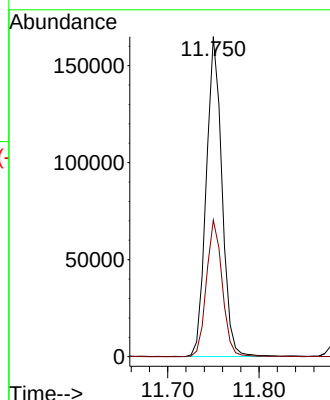
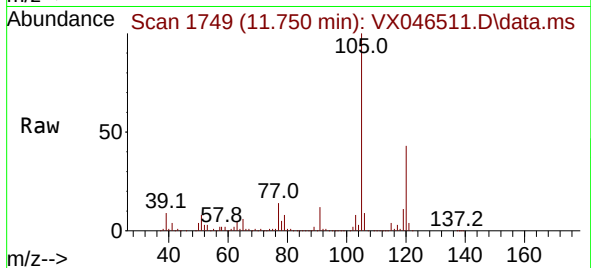
120 43.0 21.2 63.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/05/2025

Supervised By :Semsettin Yesilyurt 06/05/2025



#85

sec-Butylbenzene

Concen: 3.937 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX046511.D

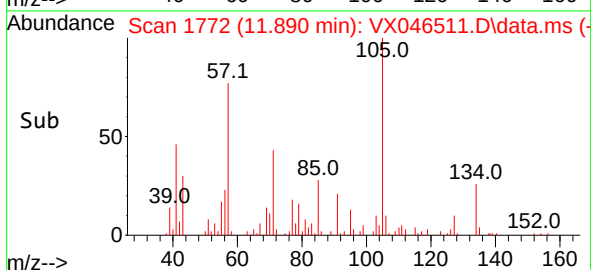
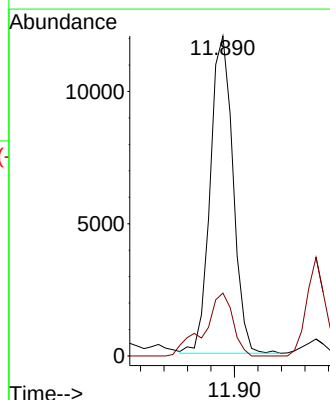
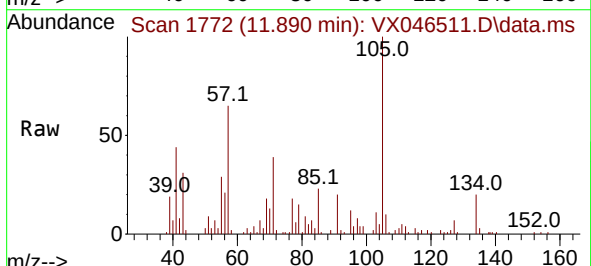
Acq: 04 Jun 2025 19:24

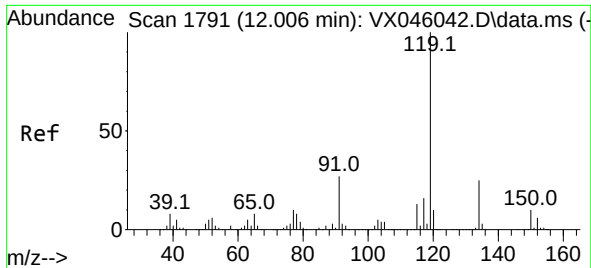
Tgt Ion:105 Resp: 16139

Ion Ratio Lower Upper

105 100

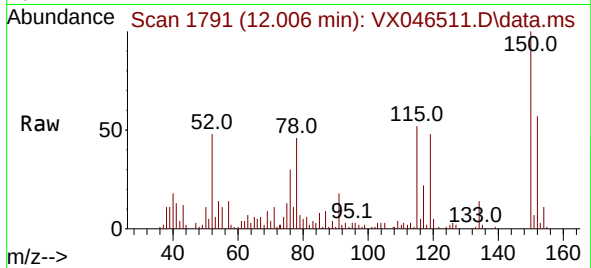
134 25.0 9.7 29.1





#86  
p-Isopropyltoluene  
Concen: 1.966 ug/l m  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

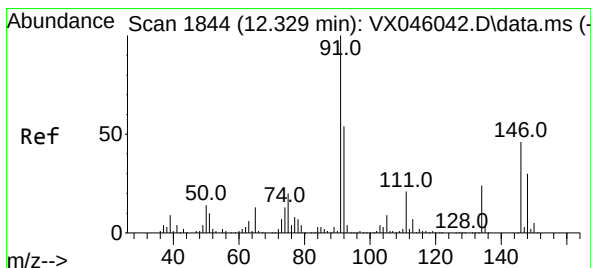
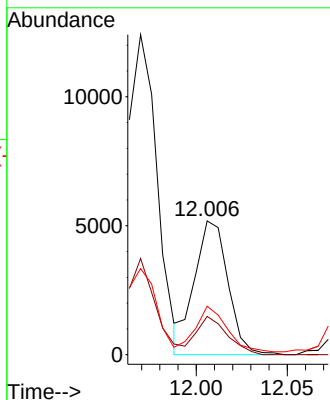
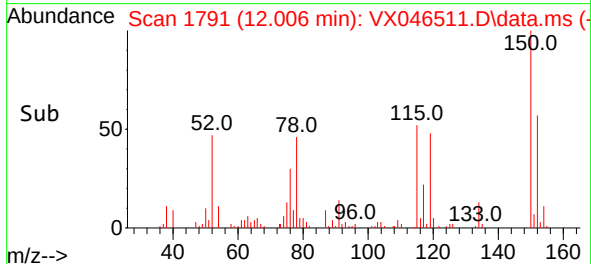
Instrument :  
MSVOA\_X  
ClientSampleId :  
EGR-LIQUIDDL



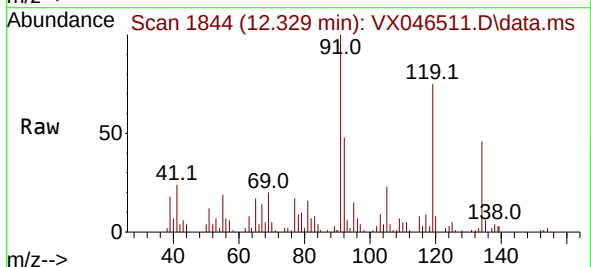
Tgt Ion: 119 Resp: 665  
Ion Ratio Lower Upper  
119 100  
134 0.0 12.5 37.5#  
91 0.0 13.8 41.4#

Manual Integrations  
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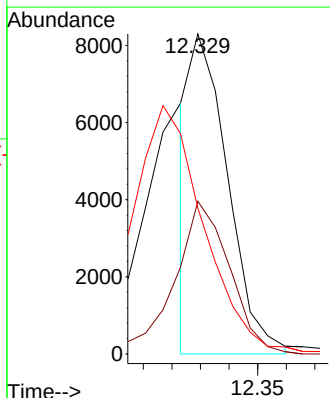
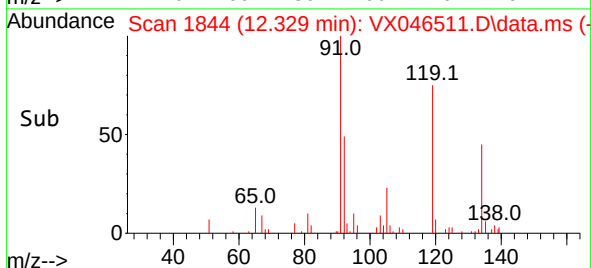
Reviewed By :Mahesh Dadoda 06/05/2025  
Supervised By :Semsettin Yesilyurt 06/05/2025

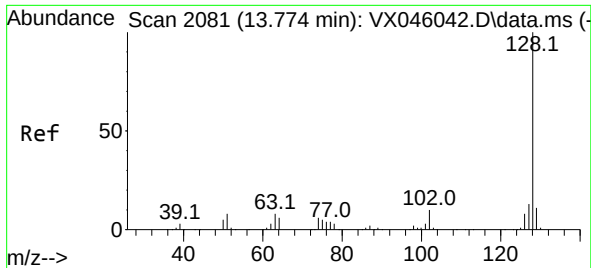


#89  
n-Butylbenzene  
Concen: 2.540 ug/l m  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24



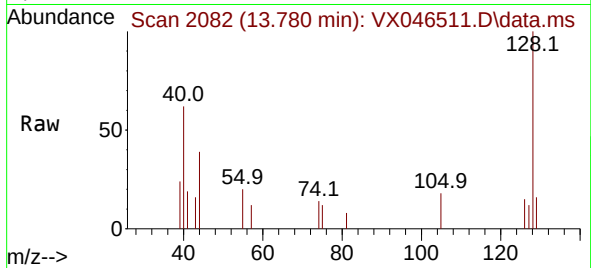
Tgt Ion: 91 Resp: 7540  
Ion Ratio Lower Upper  
91 100  
92 0.0 26.9 80.7#  
134 0.0 11.8 35.3#





#95  
Naphthalene  
Concen: 0.317 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX046511.D  
Acq: 04 Jun 2025 19:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
EGR-LIQUIDDL



Tgt Ion:128 Resp: 1128

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 9.8   | 10.4  | 15.6  |
| 129 | 5.3   | 8.6   | 13.0  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025  
Supervised By :Semsettin Yesilyurt 06/05/2025

