

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX053023\  
 Data File : VX035912.D  
 Acq On : 30 May 2023 17:34  
 Operator : JC/MD  
 Sample : 02902-01DL 50X  
 Misc : 1.15g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FMC-0096DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/31/2023  
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 30 19:01:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052623W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 29 07:45:36 2023  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 226441     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 373828     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 341417     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 164887     | 50.000  | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958          | 65   | 166472     | 41.370  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 82.740% |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 114079     | 44.426  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 88.860% |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 446155     | 47.343  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 94.680% |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 178753     | 48.143  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 96.280% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         |        | Qvalue   |
| 16) Acetone                 | 2.386          | 43   | 144435     | 88.907  | ug/l   | 99       |
| 31) Cyclohexane             | 5.550          | 56   | 10114m     | 2.116   | ug/l   |          |
| 39) Methylcyclohexane       | 7.379          | 83   | 2686       | 0.604   | ug/l   | 92       |
| 52) Toluene                 | 8.720          | 92   | 127936     | 18.652  | ug/l   | 96       |
| 67) Ethyl Benzene           | 10.195         | 91   | 12237      | 0.907   | ug/l   | 94       |
| 68) m/p-Xylenes             | 10.299         | 106  | 16691      | 3.345   | ug/l   | 96       |
| 69) o-Xylene                | 10.640         | 106  | 7554       | 1.524   | ug/l   | 98       |
| 73) Isopropylbenzene        | 10.963         | 105  | 2707       | 0.202   | ug/l   | 96       |
| 78) n-propylbenzene         | 11.305         | 91   | 7750       | 0.497   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 9922       | 0.871   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 38227      | 3.350   | ug/l   | 99       |
| 89) n-Butylbenzene          | 12.329         | 91   | 4889       | 0.487   | ug/l # | 53       |
| 95) Naphthalene             | 13.774         | 128  | 12119      | 1.043   | ug/l   | 97       |
| -----                       |                |      |            |         |        |          |

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

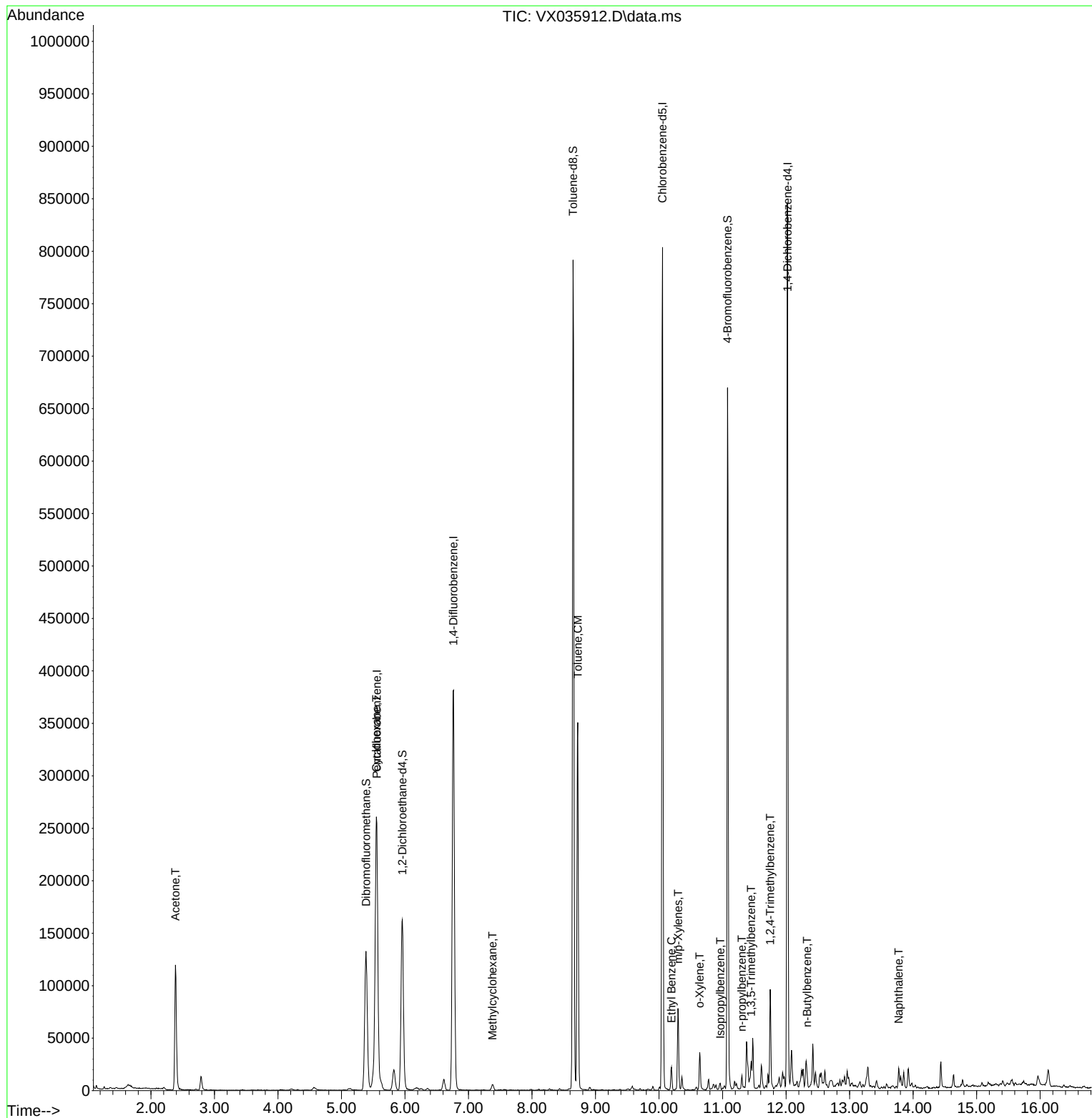
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX053023\  
Data File : VX035912.D  
Acq On : 30 May 2023 17:34  
Operator : JC/MD  
Sample : 02902-01DL 50X  
Misc : 1.15g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 19 Sample Multiplier: 1

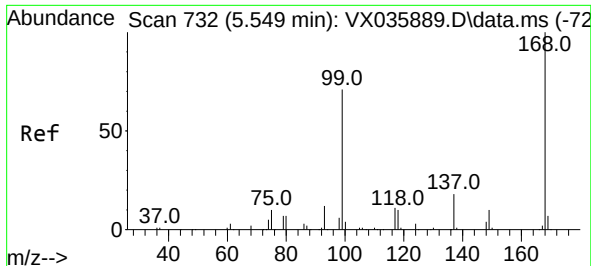
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-0096DL

Quant Time: May 30 19:01:56 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052623W.M  
Quant Title : SW846 8260  
QLast Update : Mon May 29 07:45:36 2023  
Response via : Initial Calibration

Manual Integrations  
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Supervised By :Mahesh Dadoda 05/31/2023





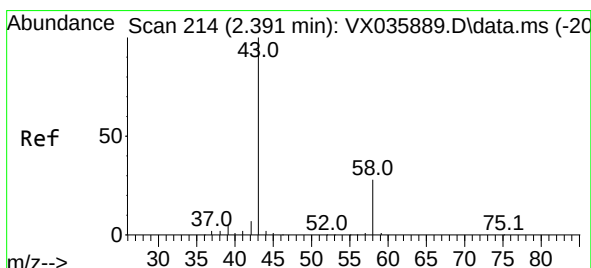
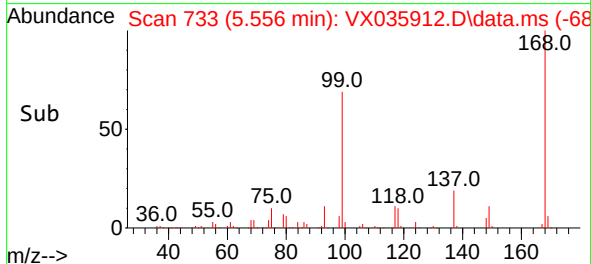
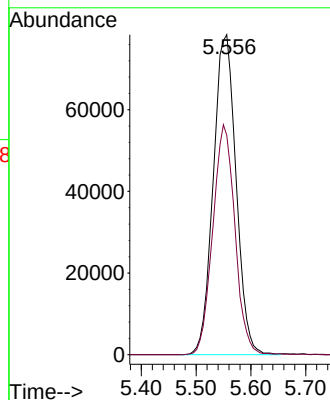
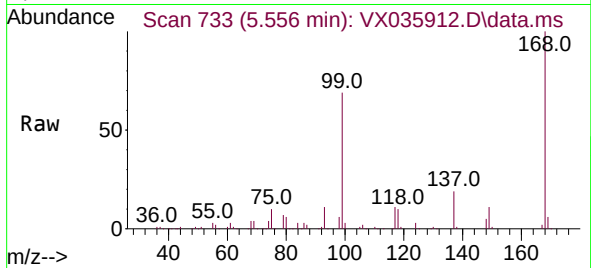
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Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-0096DL

Tgt Ion:168 Resp: 22644  
Ion Ratio Lower Upper  
168 100  
99 68.5 57.0 85.6

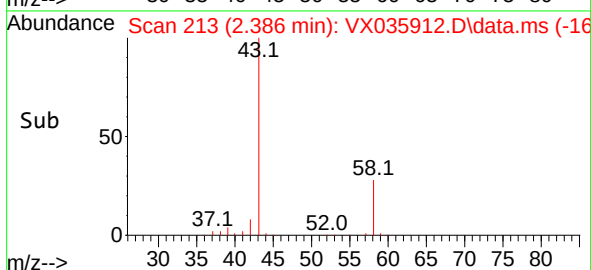
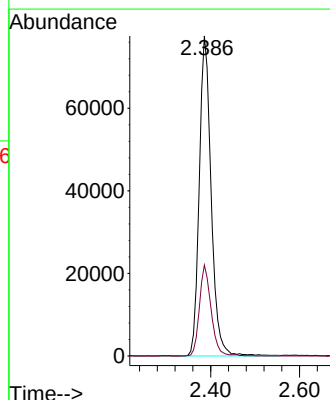
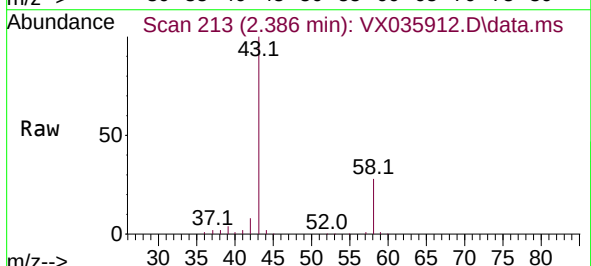
Manual Integrations  
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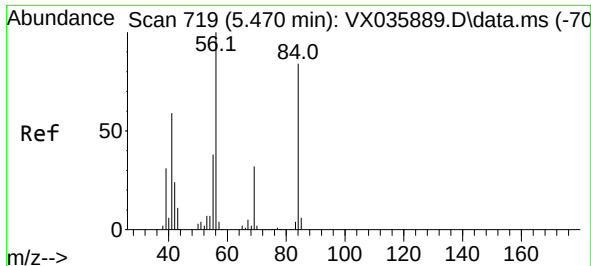
Reviewed By :Semsettin Yesilyurt 05/31/2023  
Supervised By :Mahesh Dadoda 05/31/2023



#16  
Acetone  
Concen: 88.907 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

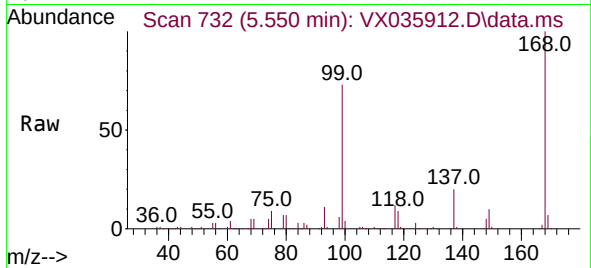
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Ion Ratio Lower Upper  
43 100  
58 28.4 22.2 33.2





#31  
Cyclohexane  
Concen: 2.116 ug/l m  
RT: 5.550 min Scan# 719  
Delta R.T. 0.080 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

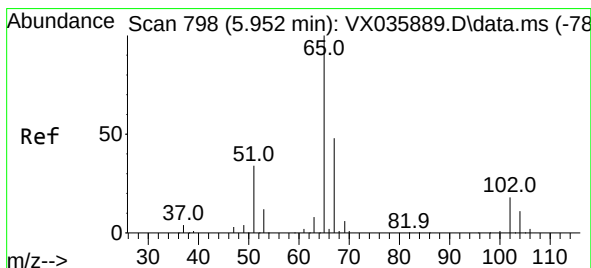
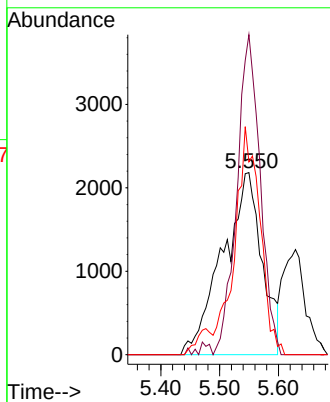
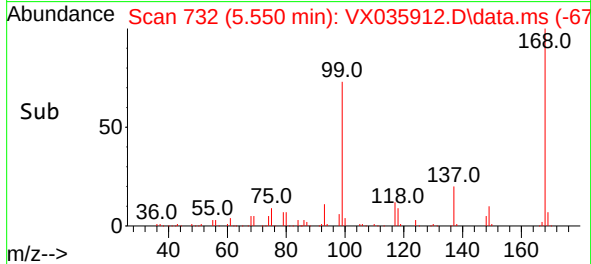
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-0096DL



Tgt Ion: 56 Resp: 10114  
Ion Ratio Lower Upper  
56 100  
69 175.8 25.9 38.9  
84 106.0 67.6 101.4

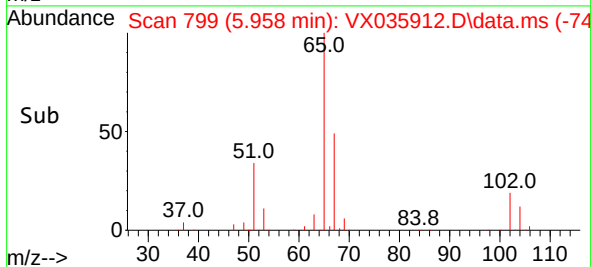
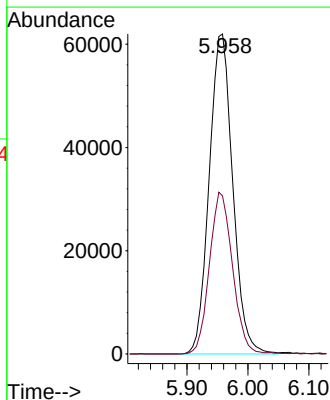
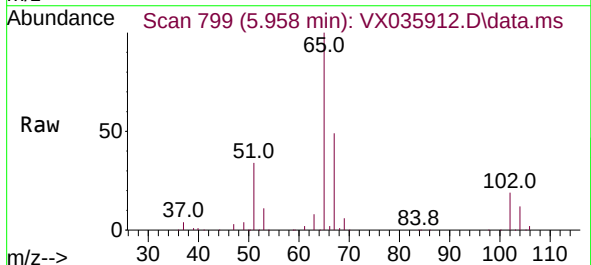
Manual Integrations  
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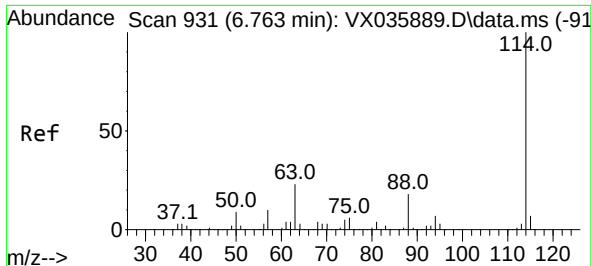
Reviewed By :Semsettin Yesilyurt 05/31/2023  
Supervised By :Mahesh Dadoda 05/31/2023



#33  
1,2-Dichloroethane-d4  
Concen: 41.370 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

Tgt Ion: 65 Resp: 166472  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 99.6





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

Instrument :

MSVOA\_X

ClientSampleId :

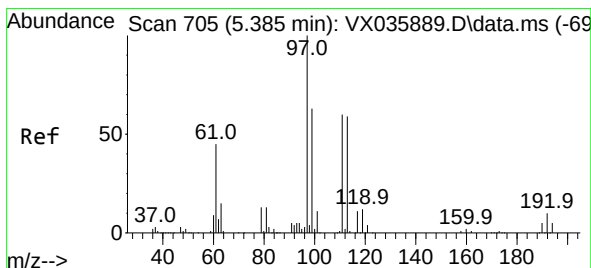
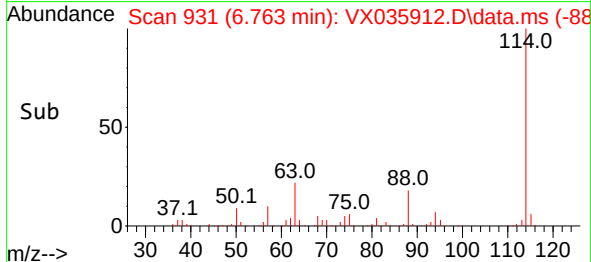
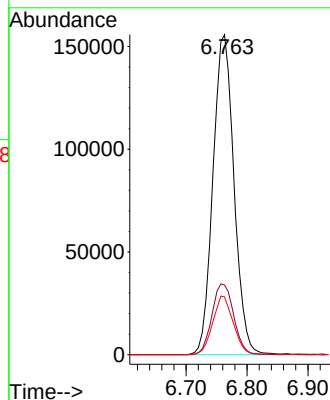
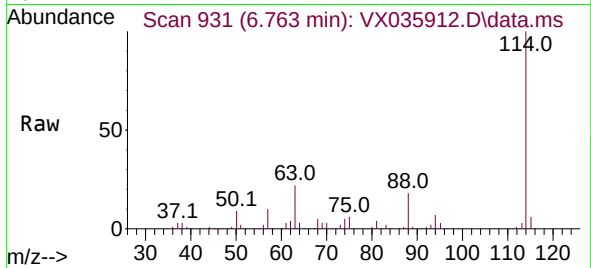
FMC-0096DL

Tgt Ion:114 Resp: 373828  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 46.0  
88 18.0 0.0 35.2

Manual Integrations

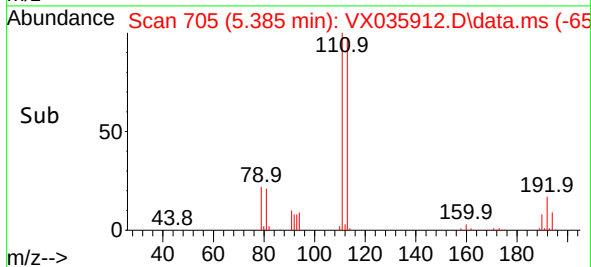
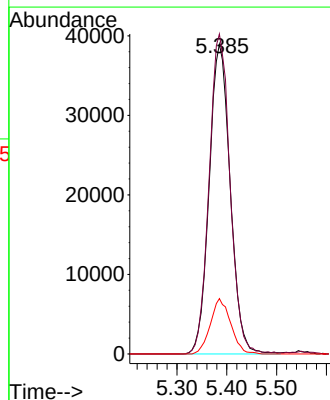
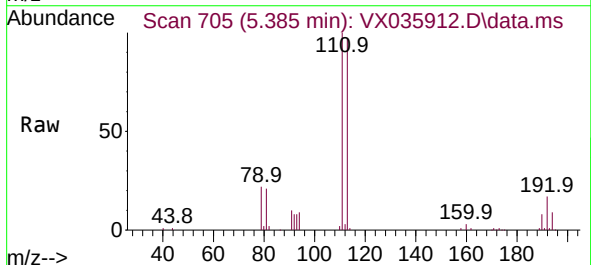
APPROVED

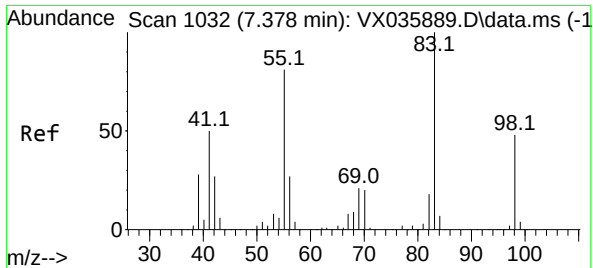
Reviewed By :Semsettin Yesilyurt 05/31/2023  
Supervised By :Mahesh Dadoda 05/31/2023



#35  
Dibromofluoromethane  
Concen: 44.426 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

Tgt Ion:113 Resp: 114079  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.7 122.5  
192 17.3 13.5 20.3





#39  
Methylcyclohexane  
Concen: 0.604 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

Instrument :

MSVOA\_X

ClientSampleId :

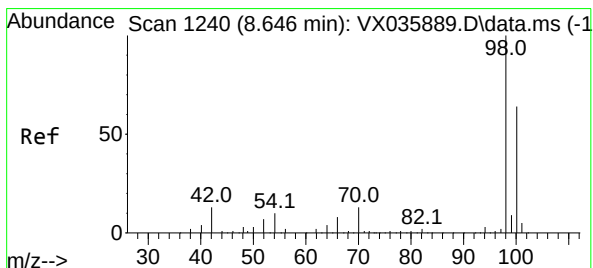
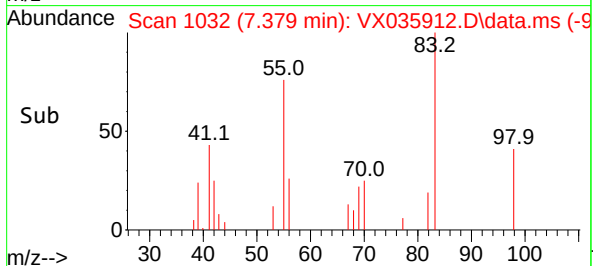
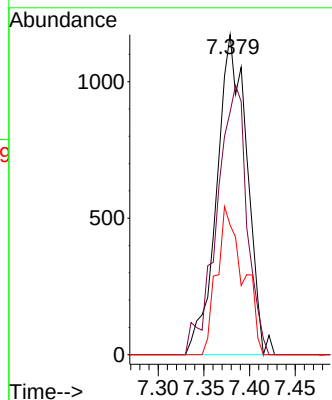
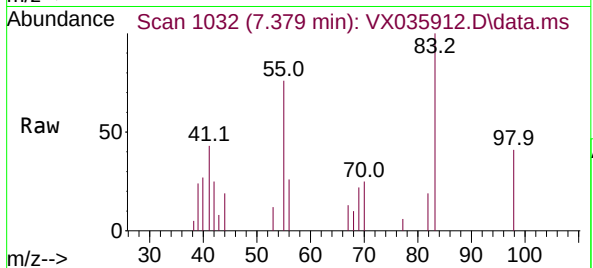
FMC-0096DL

Tgt Ion: 83 Resp: 2680  
Ion Ratio Lower Upper  
83 100  
55 75.9 64.9 97.3  
98 40.5 38.1 57.1

Manual Integrations

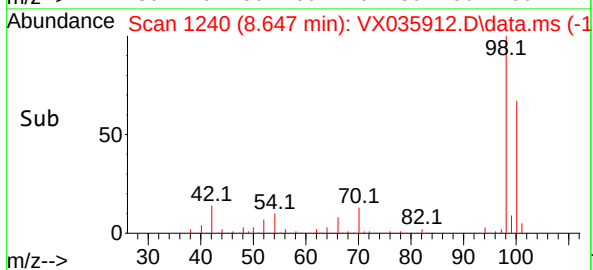
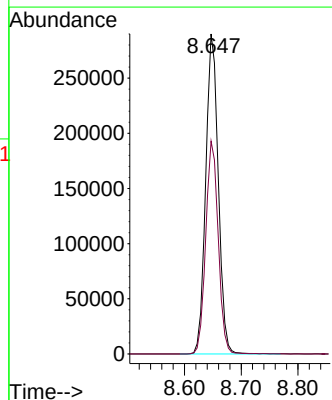
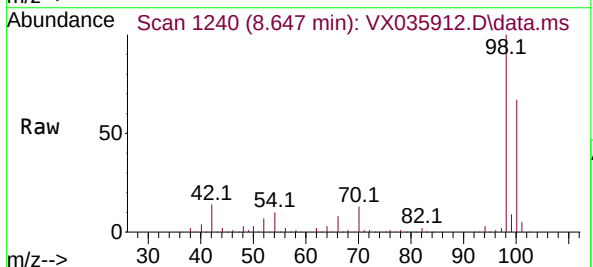
APPROVED

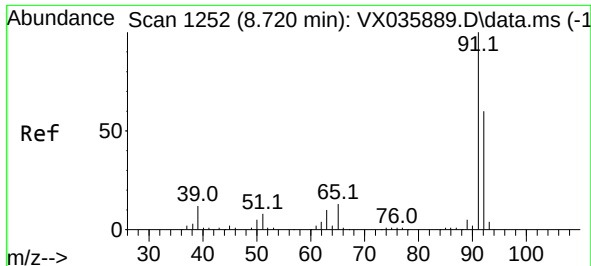
Reviewed By :Semsettin Yesilyurt 05/31/2023  
Supervised By :Mahesh Dadoda 05/31/2023



#50  
Toluene-d8  
Concen: 47.343 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

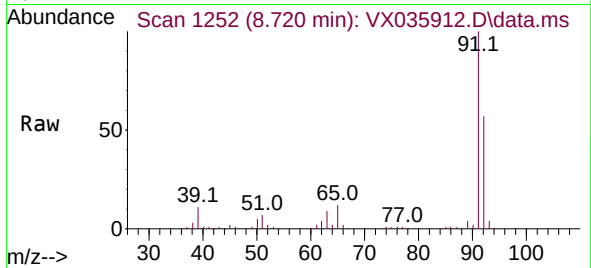
Tgt Ion: 98 Resp: 446155  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.4 80.0





#52  
Toluene  
Concen: 18.652 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

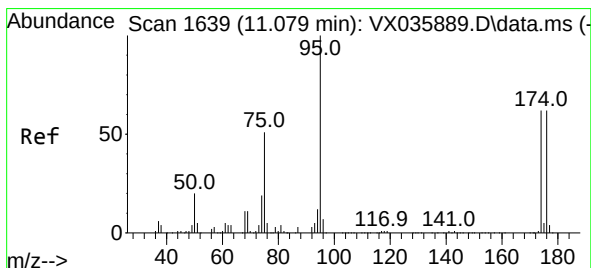
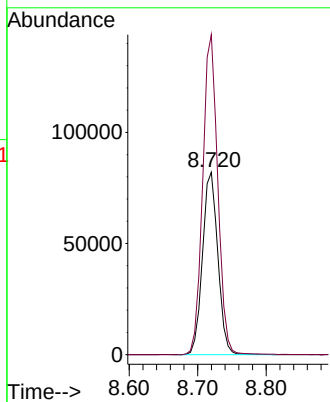
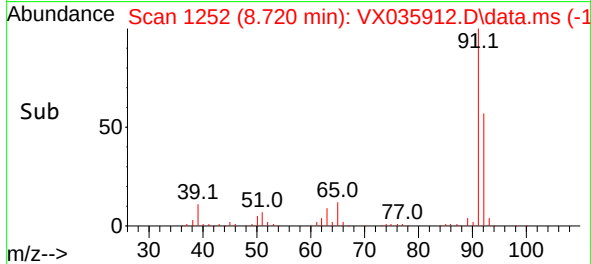
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-0096DL



Tgt Ion: 92 Resp: 127936  
Ion Ratio Lower Upper  
92 100  
91 172.5 133.5 200.3

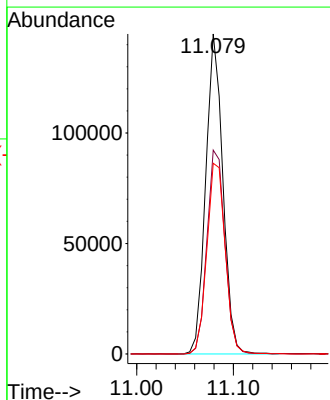
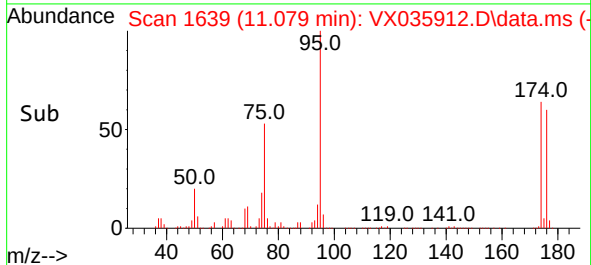
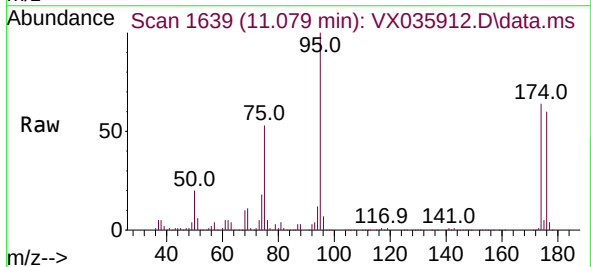
Manual Integrations  
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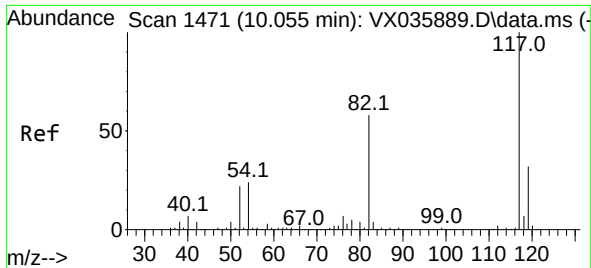
Reviewed By :Semsettin Yesilyurt 05/31/2023  
Supervised By :Mahesh Dadoda 05/31/2023



#62  
4-Bromofluorobenzene  
Concen: 48.143 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

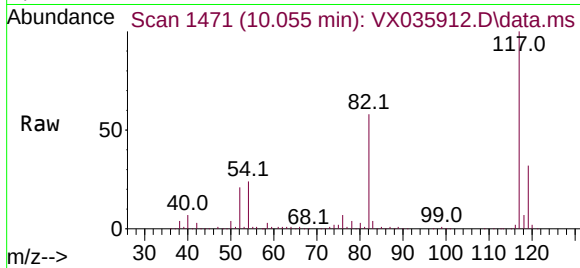
Tgt Ion: 95 Resp: 178753  
Ion Ratio Lower Upper  
95 100  
174 66.8 0.0 132.6  
176 63.9 0.0 128.0





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

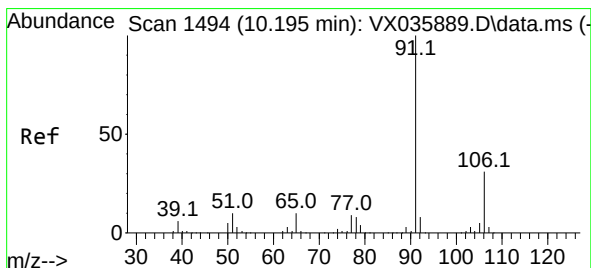
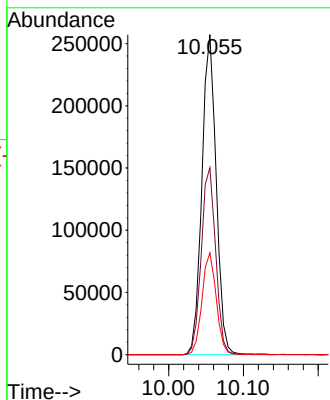
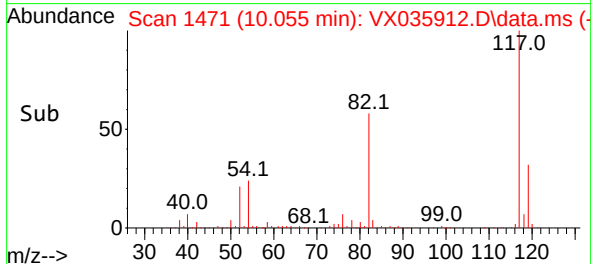
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-0096DL



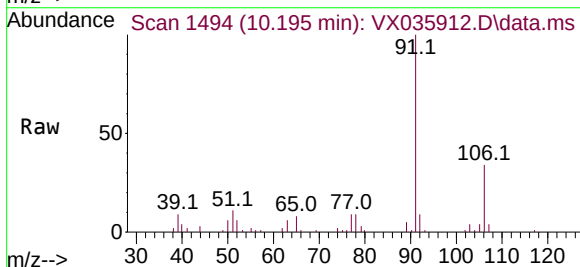
Tgt Ion: 117 Resp: 34141  
Ion Ratio Lower Upper  
117 100  
82 58.4 46.6 69.8  
119 31.9 25.4 38.2

Manual Integrations  
APPROVED

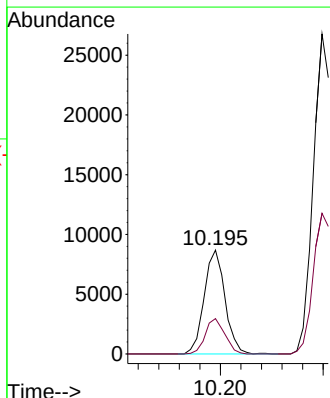
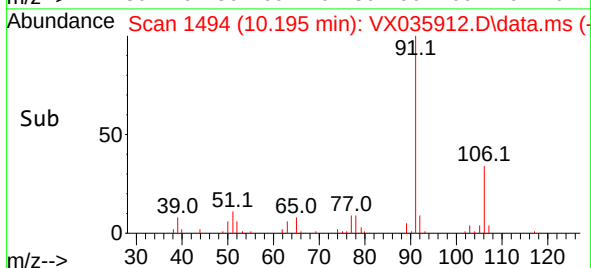
Reviewed By :Semsettin Yesilyurt 05/31/2023  
Supervised By :Mahesh Dadoda 05/31/2023



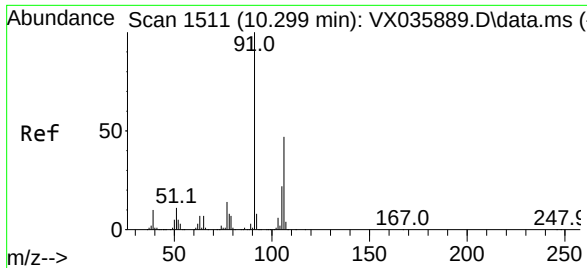
#67  
Ethyl Benzene  
Concen: 0.907 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34



Tgt Ion: 91 Resp: 12237  
Ion Ratio Lower Upper  
91 100  
106 34.1 24.6 37.0







#68

m/p-Xylenes

Concen: 3.345 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX035912.D

Acq: 30 May 2023 17:34

Instrument :

MSVOA\_X

ClientSampleId :

FMC-0096DL

Tgt Ion:106 Resp: 1669

Ion Ratio Lower Upper

106 100

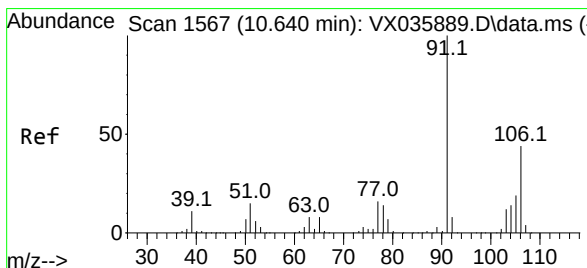
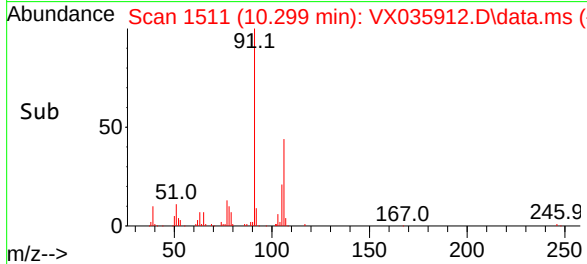
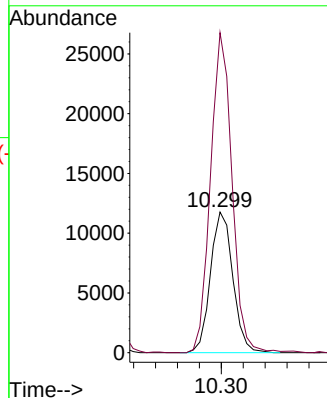
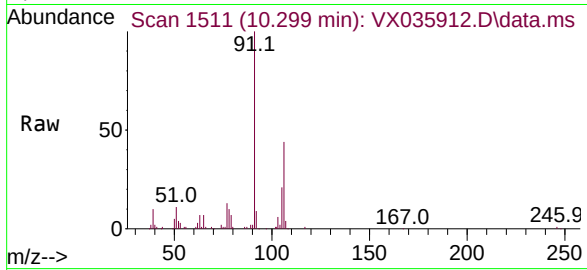
91 218.6 169.8 254.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/31/2023

Supervised By :Mahesh Dadoda 05/31/2023



#69

o-Xylene

Concen: 1.524 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX035912.D

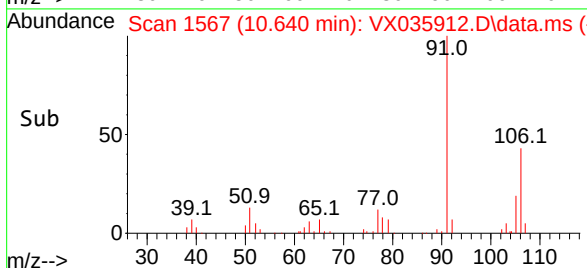
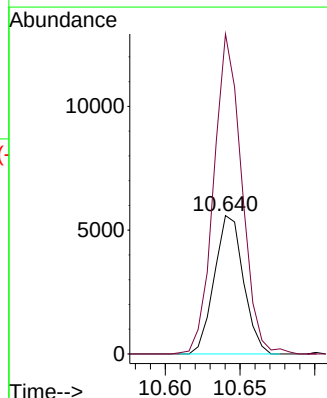
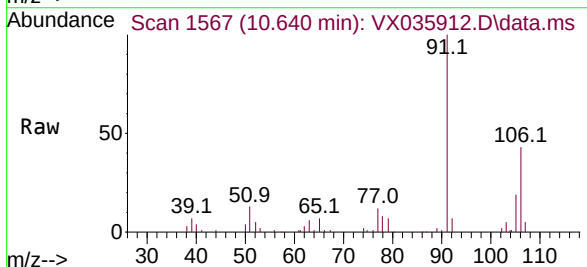
Acq: 30 May 2023 17:34

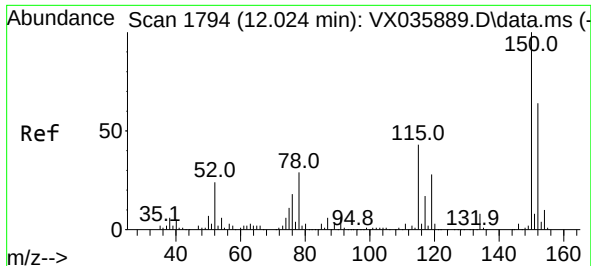
Tgt Ion:106 Resp: 7554

Ion Ratio Lower Upper

106 100

91 222.2 112.5 337.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035912.D

Acq: 30 May 2023 17:34

Instrument :

MSVOA\_X

ClientSampleId :

FMC-0096DL

Tgt Ion:152 Resp: 16488

Ion Ratio Lower Upper

152 100

115 65.8 45.5 136.5

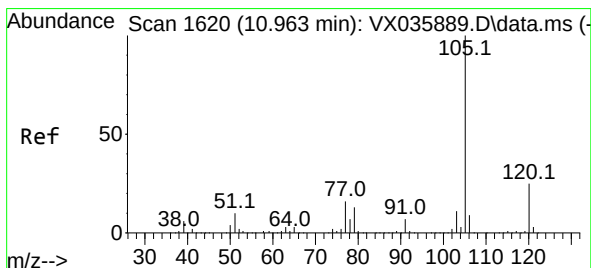
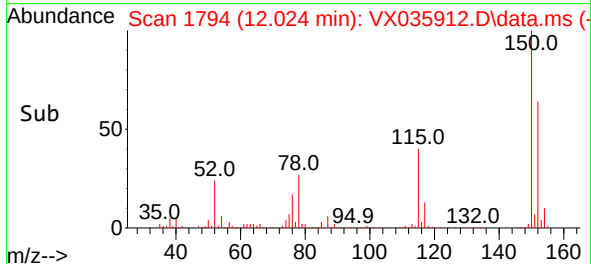
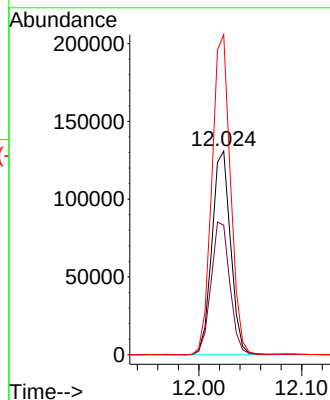
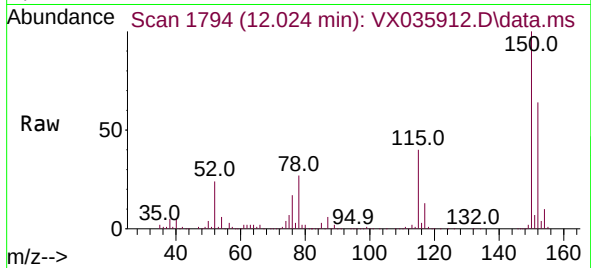
150 157.1 0.0 345.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/31/2023

Supervised By :Mahesh Dadoda 05/31/2023



#73

Isopropylbenzene

Concen: 0.202 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX035912.D

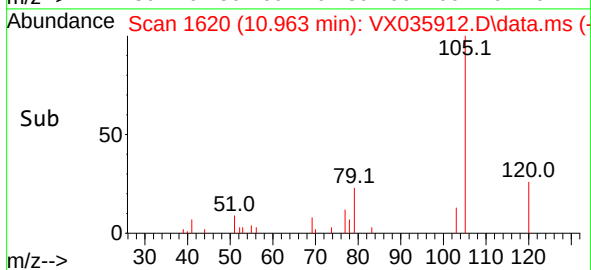
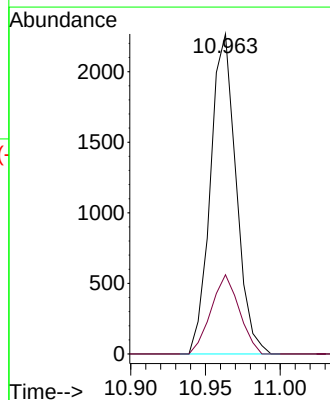
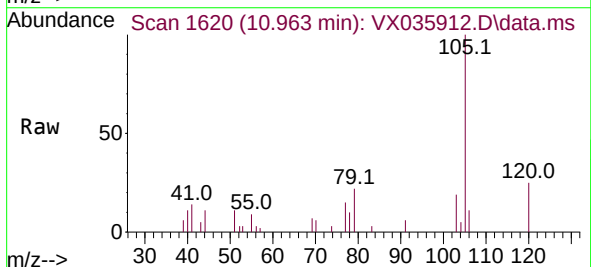
Acq: 30 May 2023 17:34

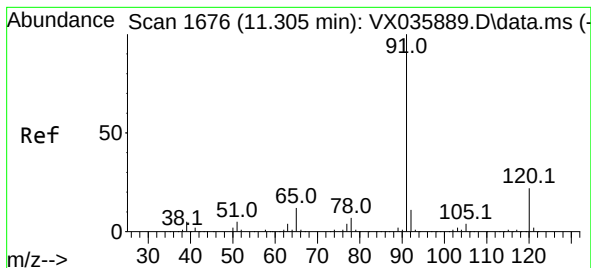
Tgt Ion:105 Resp: 2707

Ion Ratio Lower Upper

105 100

120 27.2 12.7 38.0





#78

n-propylbenzene

Concen: 0.497 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035912.D

Acq: 30 May 2023 17:34

Instrument :

MSVOA\_X

ClientSampleId :

FMC-0096DL

Tgt Ion: 91 Resp: 7750

Ion Ratio Lower Upper

91 100

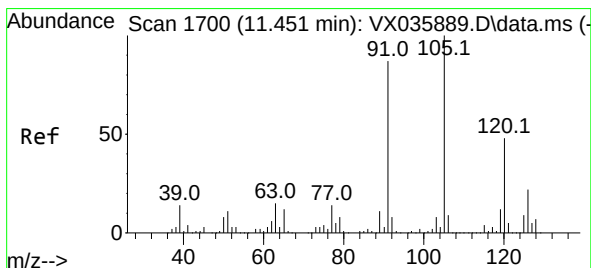
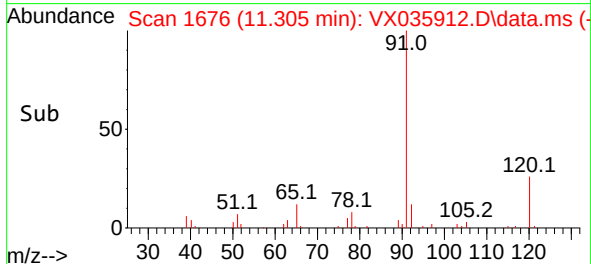
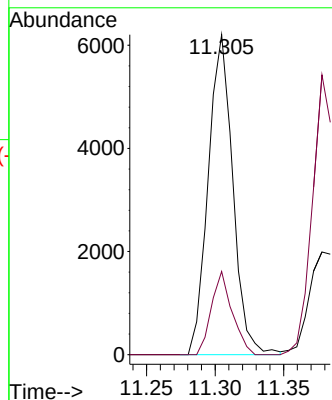
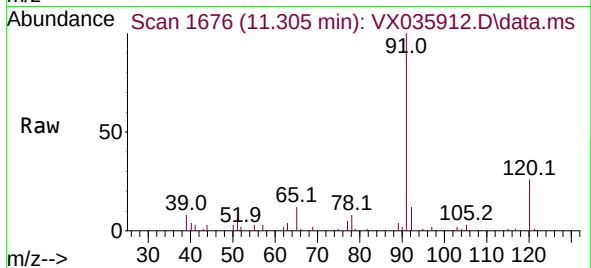
120 22.0 10.9 32.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/31/2023

Supervised By :Mahesh Dadoda 05/31/2023



#80

1,3,5-Trimethylbenzene

Concen: 0.871 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035912.D

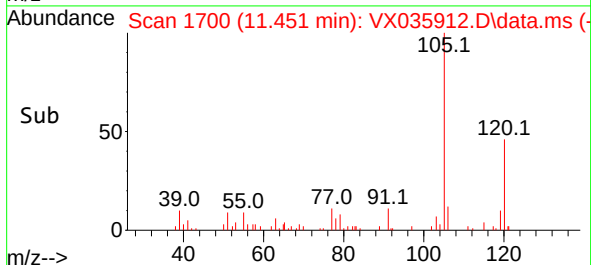
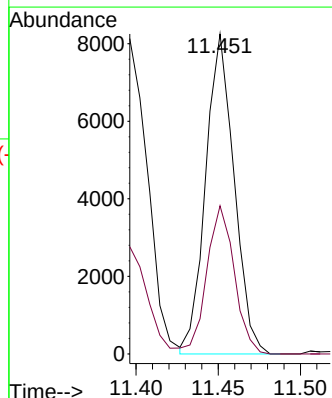
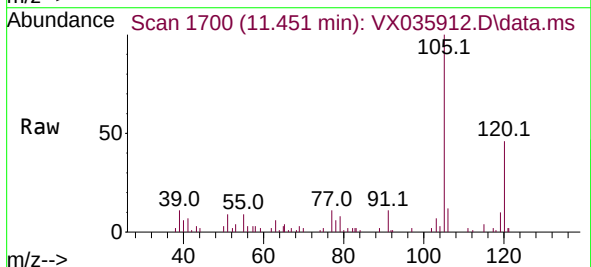
Acq: 30 May 2023 17:34

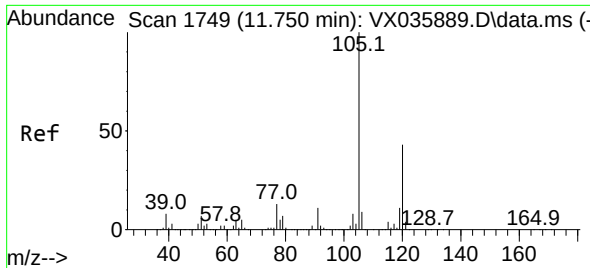
Tgt Ion:105 Resp: 9922

Ion Ratio Lower Upper

105 100

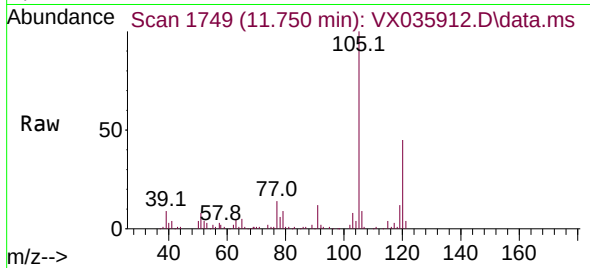
120 45.2 23.8 71.4





#84  
1,2,4-Trimethylbenzene  
Concen: 3.350 ug/l  
RT: 11.750 min Scan# 1174  
Delta R.T. 0.000 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

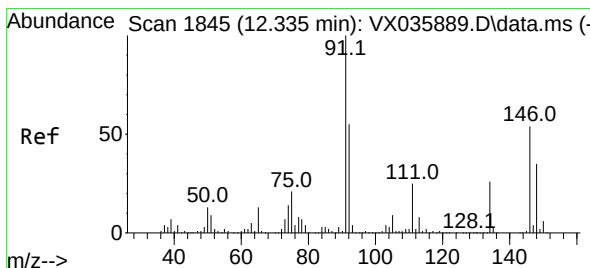
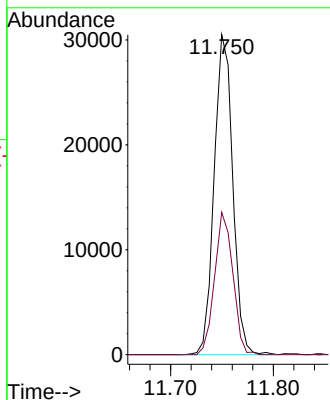
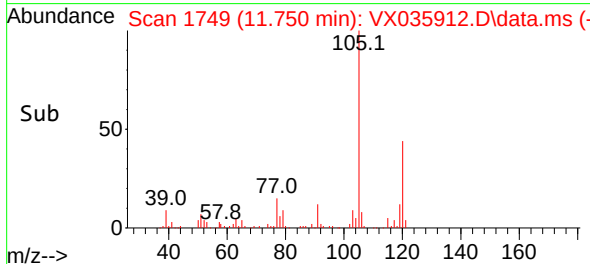
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-0096DL



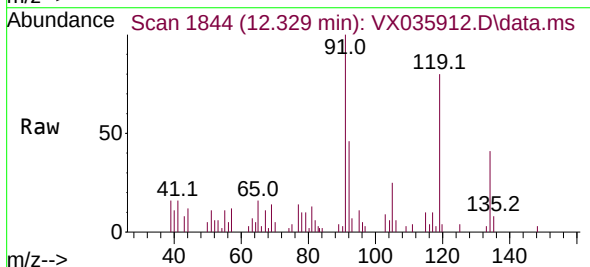
Tgt Ion:105 Resp: 3822  
Ion Ratio Lower Upper  
105 100  
120 43.7 21.6 64.8

Manual Integrations  
APPROVED

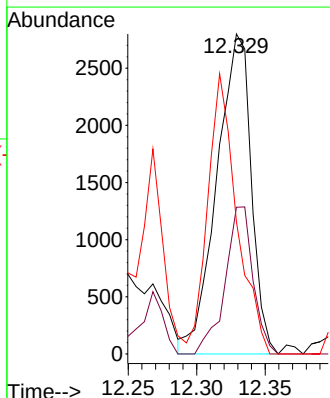
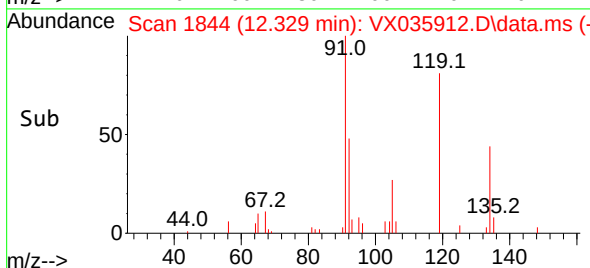
Reviewed By :Semsettin Yesilyurt 05/31/2023  
Supervised By :Mahesh Dadoda 05/31/2023

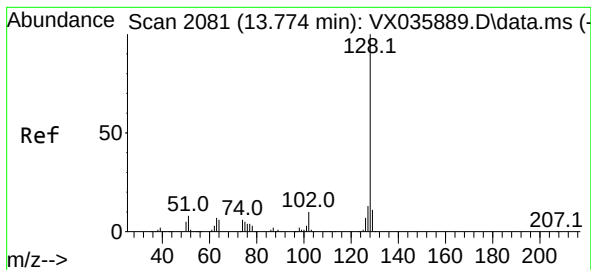


#89  
n-Butylbenzene  
Concen: 0.487 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.006 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34



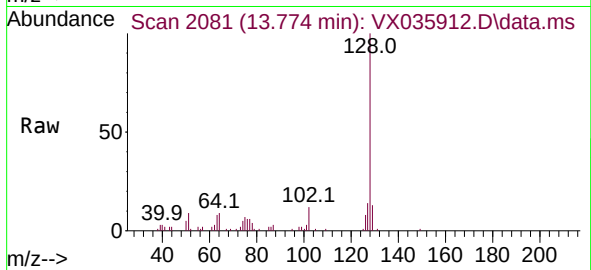
Tgt Ion: 91 Resp: 4889  
Ion Ratio Lower Upper  
91 100  
92 37.3 27.3 81.8  
134 73.6 12.4 37.0#





#95  
Naphthalene  
Concen: 1.043 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX035912.D  
Acq: 30 May 2023 17:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-0096DL



Tgt Ion:128 Resp: 12119  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.3 15.5  
129 12.8 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 05/31/2023  
Supervised By :Mahesh Dadoda 05/31/2023

