

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030623\  
 Data File : VX034344.D  
 Acq On : 06 Mar 2023 13:00  
 Operator : JC/MD  
 Sample : 01758-02 20X  
 Misc : 1.02g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FMC-1601

Quant Time: Mar 07 00:36:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 Response via : Initial Calibration

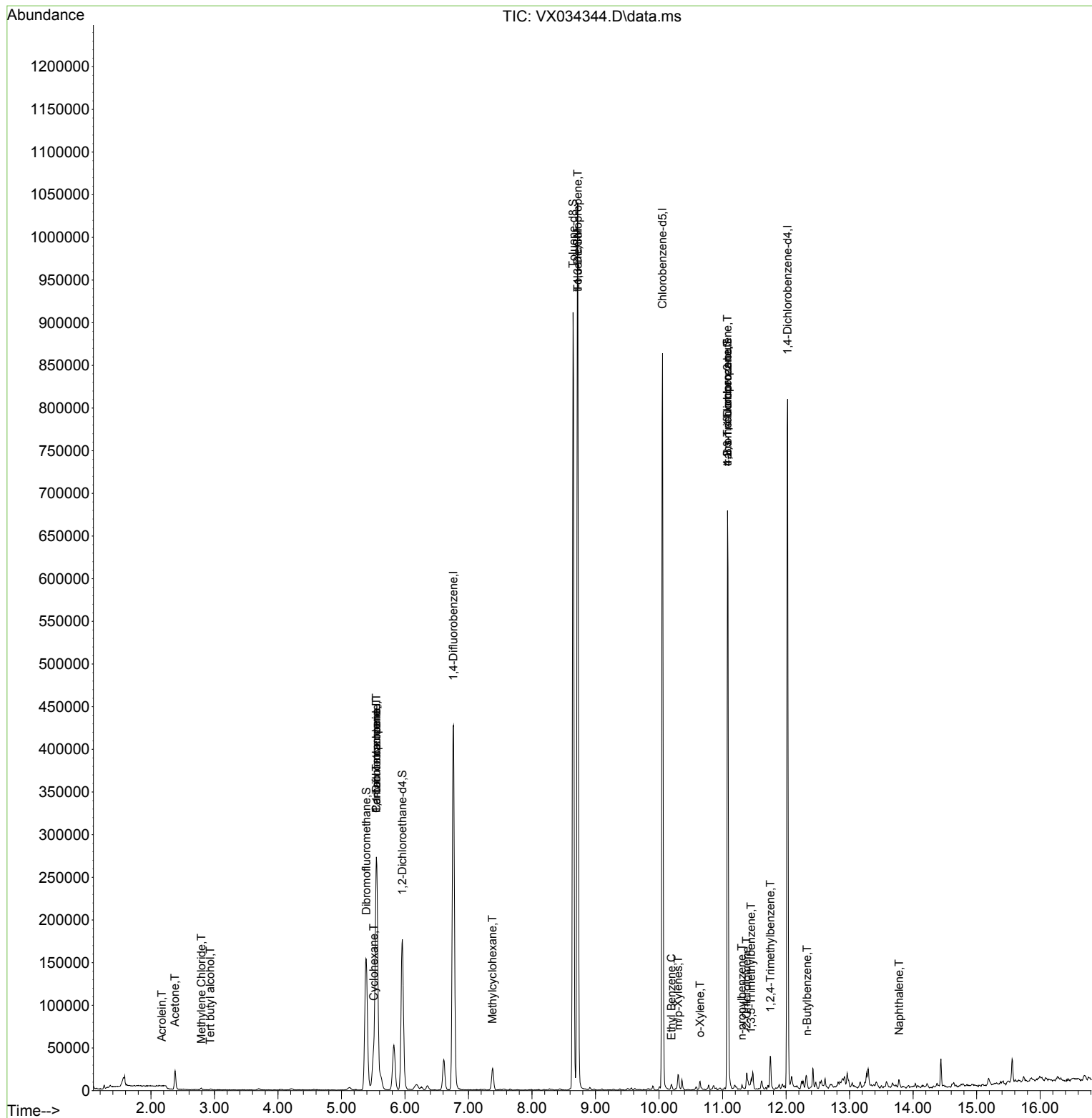
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 269824     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 450229     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 392453     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 171010     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 163013     | 44.859    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 89.720%   |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 139656     | 47.641    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 95.280%   |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 539530     | 51.263    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 102.520%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 184623     | 45.860    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 91.720%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 5) Bromomethane               | 1.593          | 94   | 304        | Below Cal | #      | 31       |
| 11) Tert butyl alcohol        | 2.934          | 59   | 557        | 0.685     | ug/l # | 86       |
| 13) Acrolein                  | 2.172          | 56   | 165        | 0.445     | ug/l # | 7        |
| 16) Acetone                   | 2.379          | 43   | 22900      | 12.216    | ug/l   | 93       |
| 20) Methylene Chloride        | 2.794          | 84   | 931        | 0.276     | ug/l # | 88       |
| 31) Cyclohexane               | 5.507          | 56   | 15209      | 2.803     | ug/l # | 49       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 21073      | 4.861     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 25164      | 5.641     | ug/l # | 15       |
| 39) Methylcyclohexane         | 7.379          | 83   | 11095      | 1.989     | ug/l   | 97       |
| 52) Toluene                   | 8.720          | 92   | 393346     | 50.528    | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.720          | 75   | 4331       | 0.815     | ug/l # | 1        |
| 67) Ethyl Benzene             | 10.195         | 91   | 3403       | 0.232     | ug/l # | 85       |
| 68) m/p-Xylenes               | 10.299         | 106  | 4341       | 0.772     | ug/l   | 93       |
| 69) o-Xylene                  | 10.646         | 106  | 2248       | 0.401     | ug/l   | 86       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 91941      | 21.366    | ug/l # | 34       |
| 78) n-propylbenzene           | 11.305         | 91   | 3619       | 0.239     | ug/l   | 91       |
| 79) 2-Chlorotoluene           | 11.378         | 91   | 1952       | 0.210     | ug/l # | 39       |
| 80) 1,3,5-Trimethylbenzene    | 11.451         | 105  | 4493       | 0.410     | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 91941      | 54.888    | ug/l # | 8        |
| 84) 1,2,4-Trimethylbenzene    | 11.756         | 105  | 17440      | 1.574     | ug/l   | 94       |
| 89) n-Butylbenzene            | 12.329         | 91   | 2370       | 0.236     | ug/l # | 38       |
| 95) Naphthalene               | 13.780         | 128  | 6428       | 0.516     | ug/l   | 99       |
| -----                         |                |      |            |           |        |          |

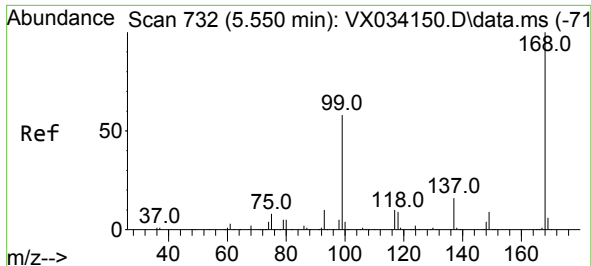
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030623\  
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Sample : 01758-02 20X  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

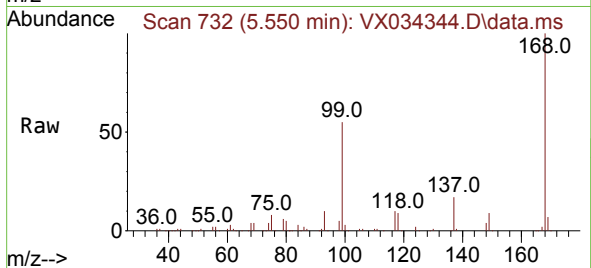
Quant Time: Mar 07 00:36:39 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 17 12:33:35 2023  
Response via : Initial Calibration



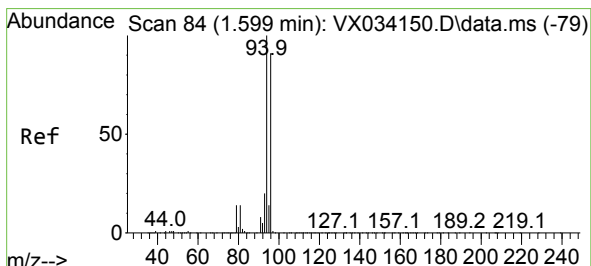
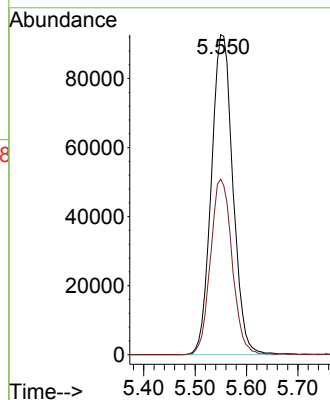
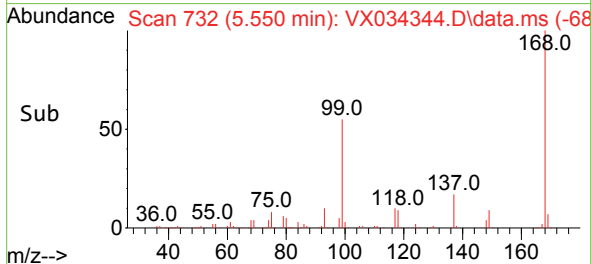


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

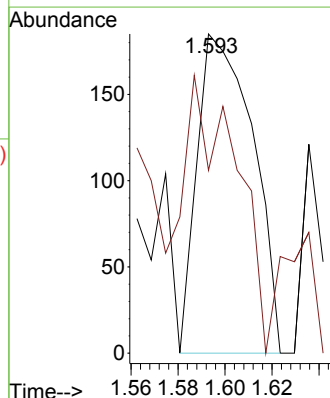
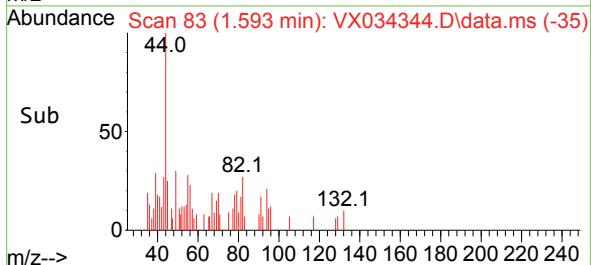
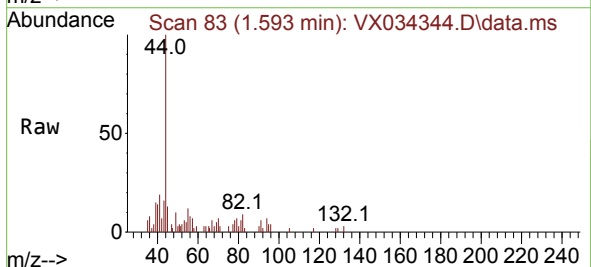


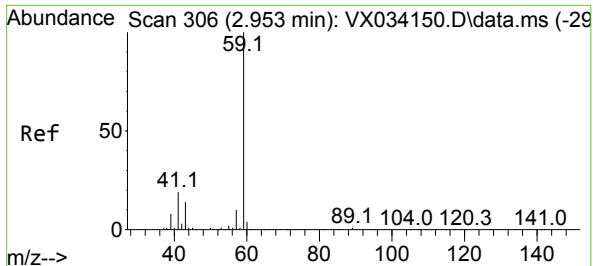
Tgt Ion:168 Resp: 269824  
Ion Ratio Lower Upper  
168 100  
99 54.8 39.6 59.4



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.593 min Scan# 83  
Delta R.T. -0.006 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 94 Resp: 304  
Ion Ratio Lower Upper  
94 100  
96 27.0 74.3 111.5#





#11

Tert butyl alcohol

Concen: 0.685 ug/l

RT: 2.934 min Scan# 306

Delta R.T. -0.018 min

Lab File: VX034344.D

Acq: 06 Mar 2023 13:00

Instrument :

MSVOA\_X

ClientSampleId :

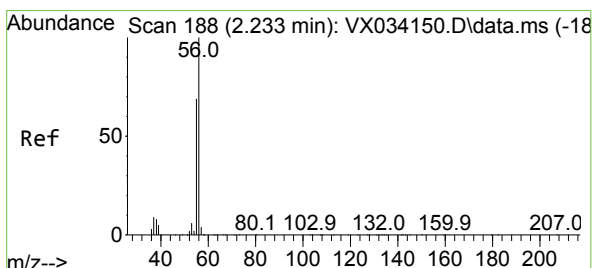
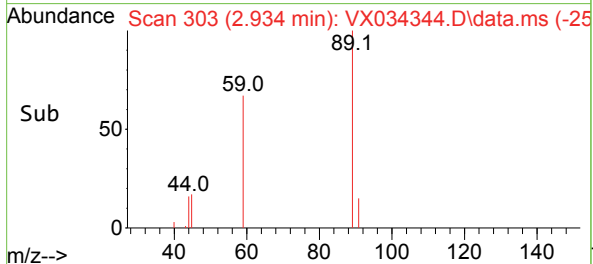
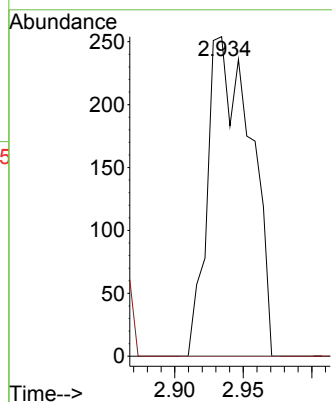
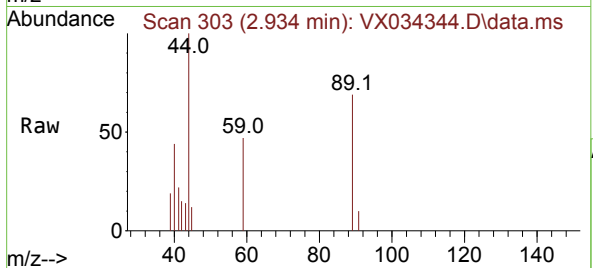
FMC-1601

Tgt Ion: 59 Resp: 557

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#13

Acrolein

Concen: 0.445 ug/l

RT: 2.172 min Scan# 178

Delta R.T. -0.061 min

Lab File: VX034344.D

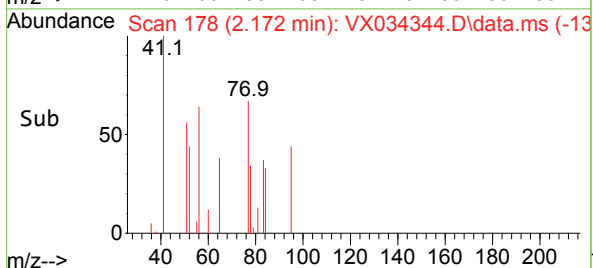
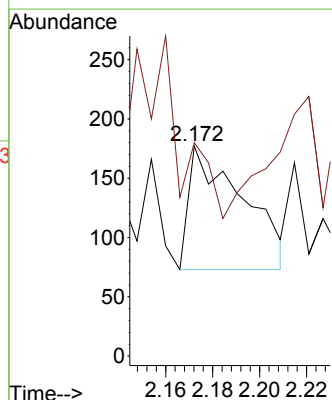
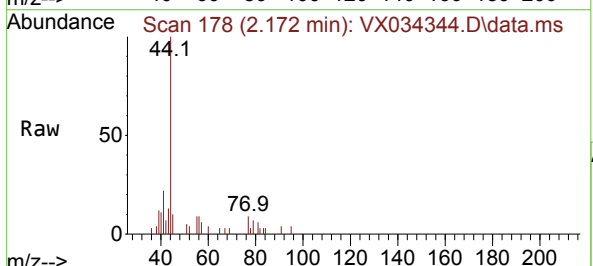
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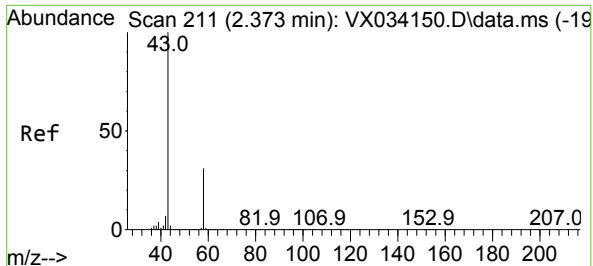
Tgt Ion: 56 Resp: 165

Ion Ratio Lower Upper

56 100

55 146.7 56.3 84.5#

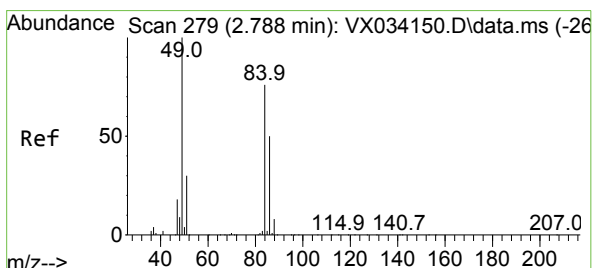
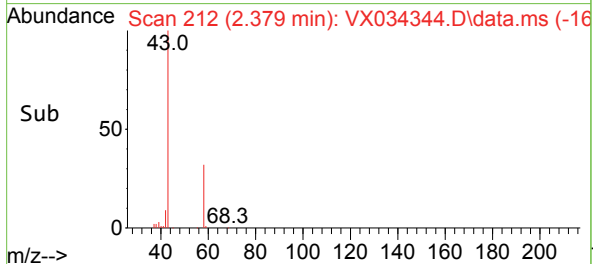
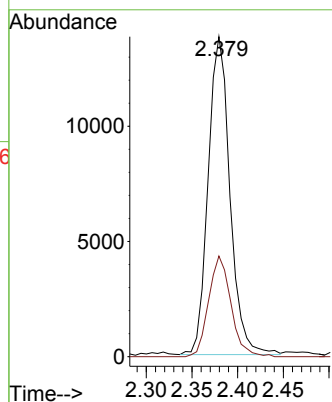
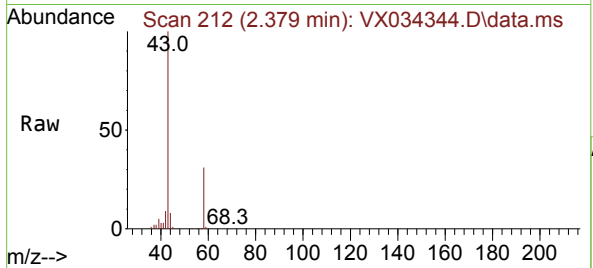




#16  
Acetone  
Concen: 12.216 ug/l  
RT: 2.379 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

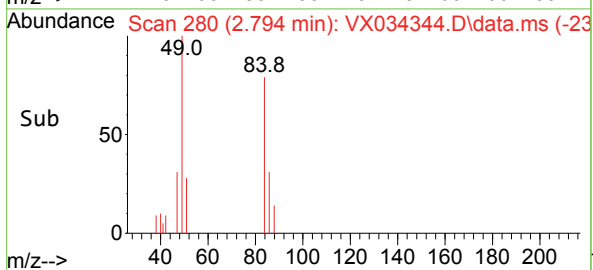
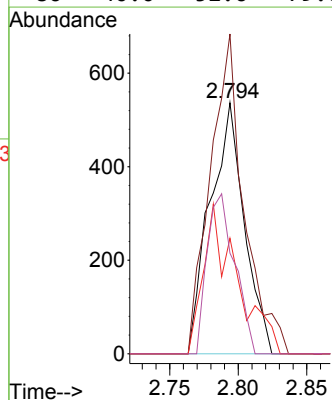
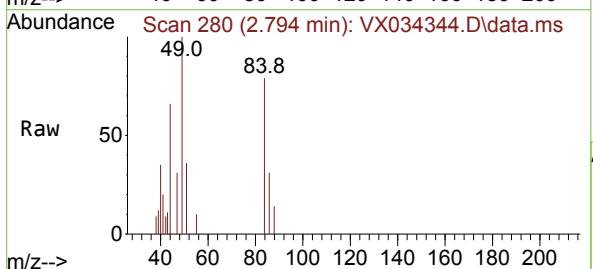
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

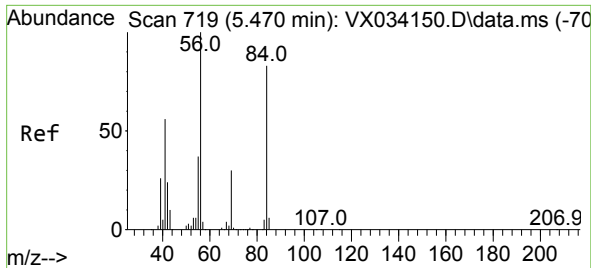
Tgt Ion: 43 Resp: 22900  
Ion Ratio Lower Upper  
43 100  
58 31.7 22.6 33.8



#20  
Methylene Chloride  
Concen: 0.276 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 84 Resp: 931  
Ion Ratio Lower Upper  
84 100  
49 127.4 101.1 151.7  
51 46.0 31.0 46.6  
86 40.0 52.6 79.0#

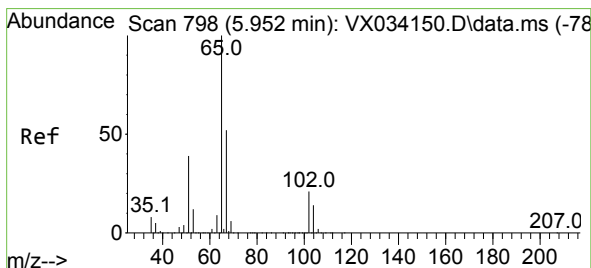
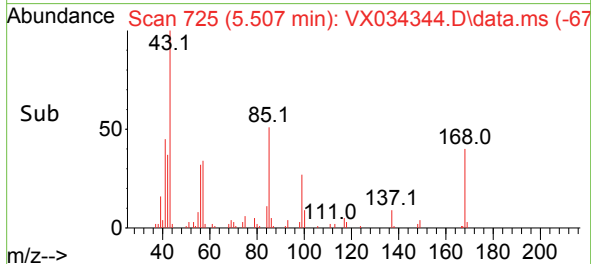
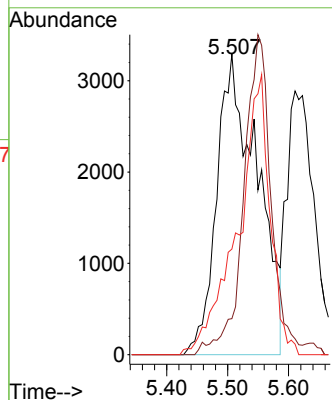
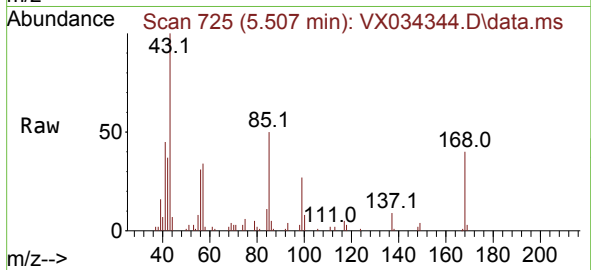




#31  
Cyclohexane  
Concen: 2.803 ug/l  
RT: 5.507 min Scan# 719  
Delta R.T. 0.037 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

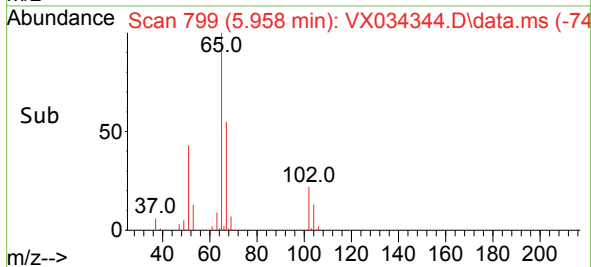
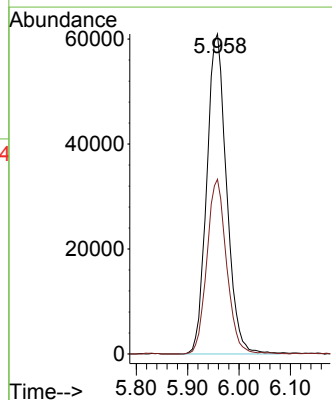
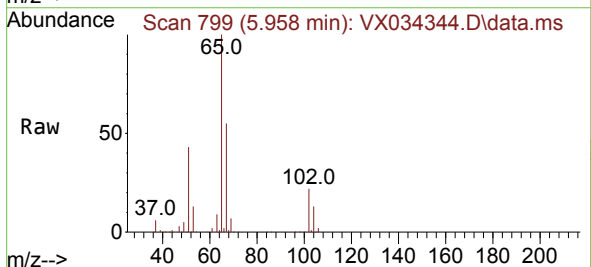
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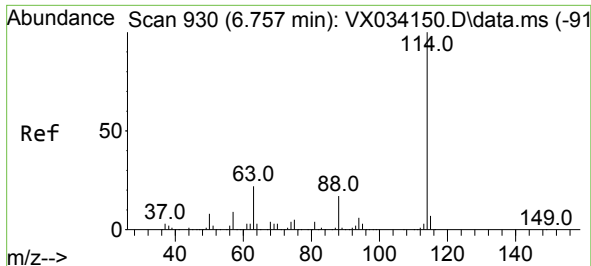
Tgt Ion: 56 Resp: 15209  
Ion Ratio Lower Upper  
56 100  
69 12.0 24.6 37.0#  
84 35.1 71.0 106.6#



#33  
1,2-Dichloroethane-d4  
Concen: 44.859 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 65 Resp: 163013  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 104.8

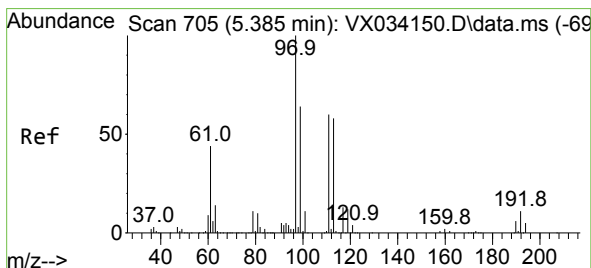
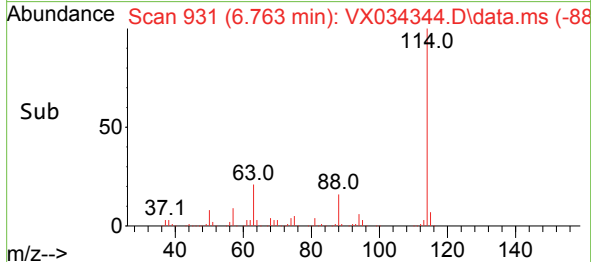
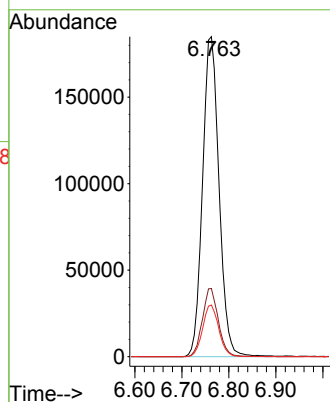
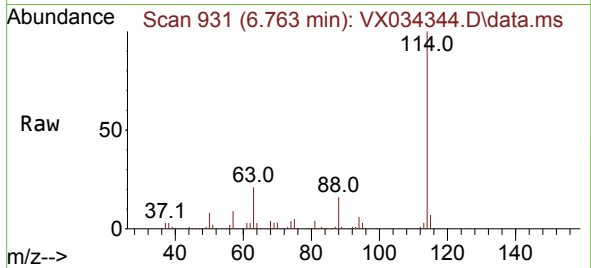




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

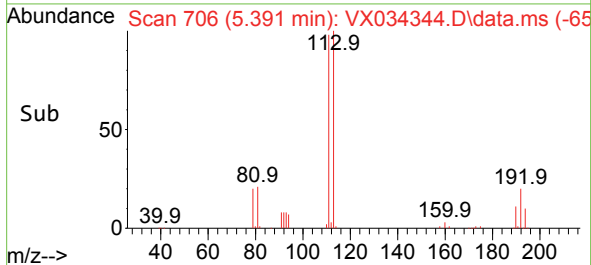
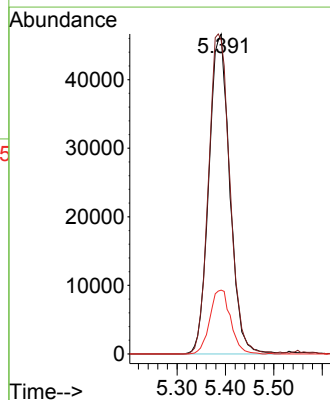
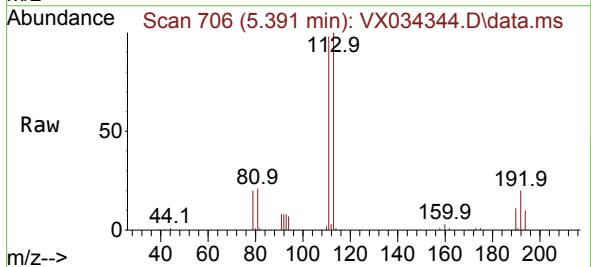
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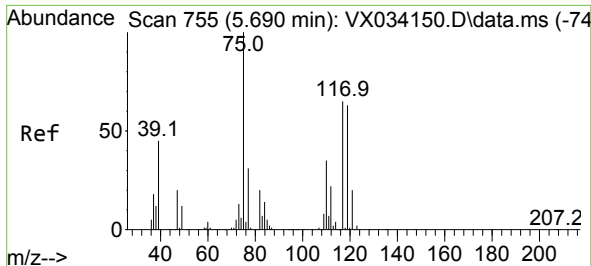
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Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 37.4  
88 16.2 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 47.641 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion:113 Resp: 139656  
Ion Ratio Lower Upper  
113 100  
111 102.2 83.0 124.6  
192 19.9 19.0 28.4

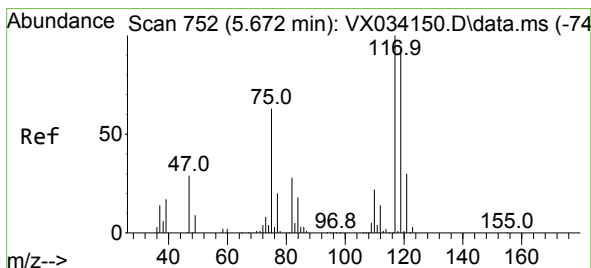
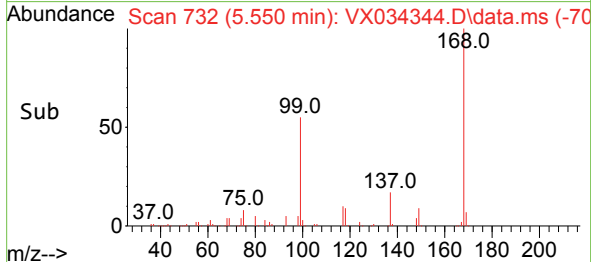
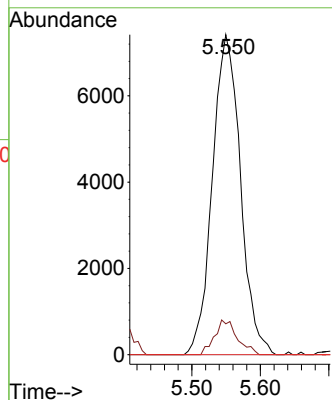
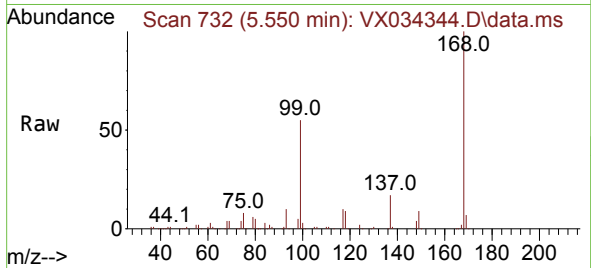




#36  
1,1-Dichloropropene  
Concen: 4.861 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.140 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

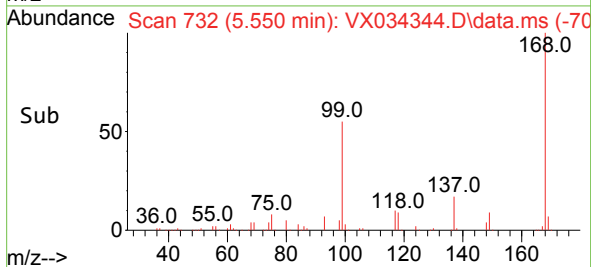
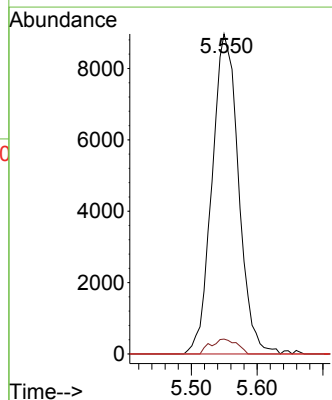
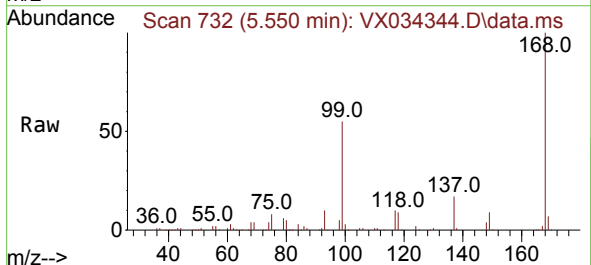
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

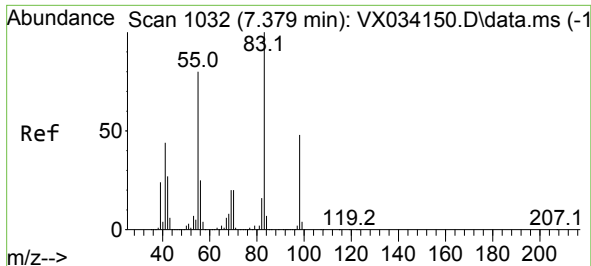
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Ion Ratio Lower Upper  
75 100  
110 8.8 18.8 56.4#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 5.641 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 117 Resp: 25164  
Ion Ratio Lower Upper  
117 100  
119 4.7 78.0 117.0#  
121 0.0 24.4 36.6#

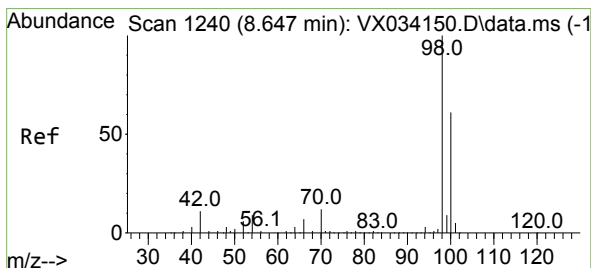
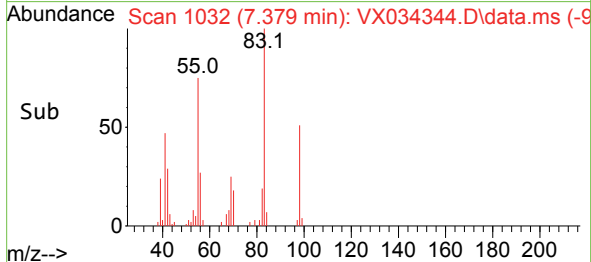
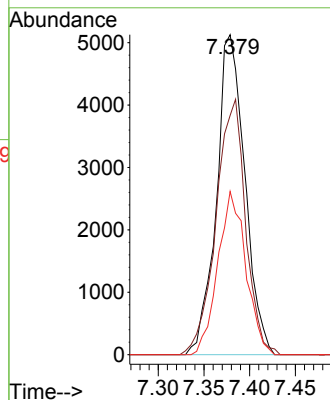
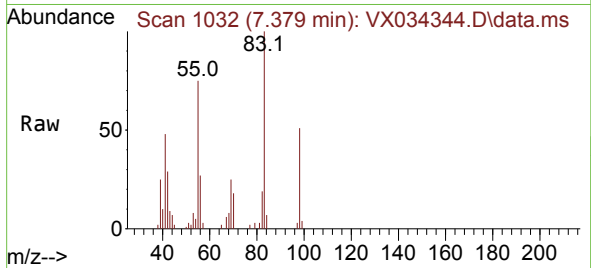




#39  
Methylcyclohexane  
Concen: 1.989 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

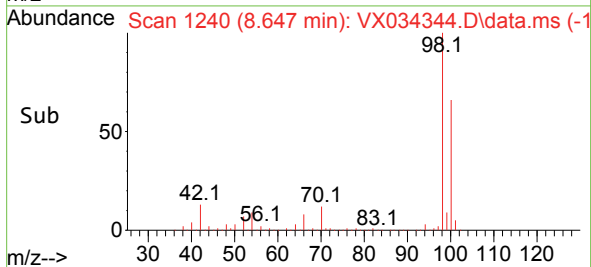
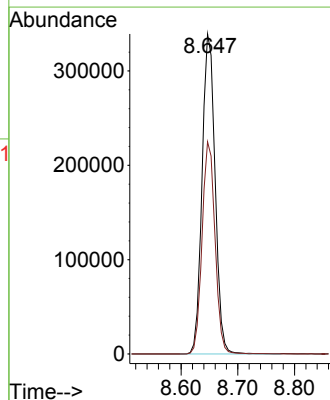
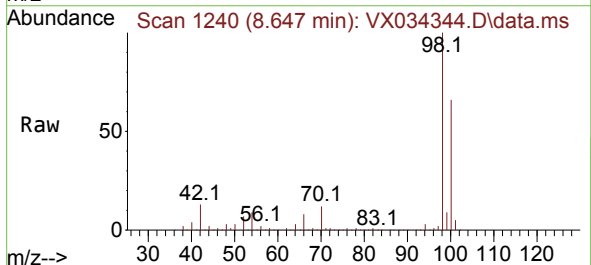
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

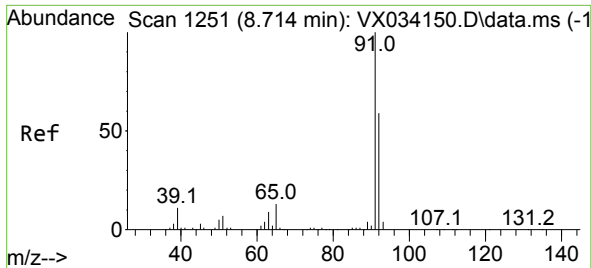
Tgt Ion: 83 Resp: 11095  
Ion Ratio Lower Upper  
83 100  
55 74.7 61.8 92.6  
98 51.0 39.3 58.9



#50  
Toluene-d8  
Concen: 51.263 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 98 Resp: 539530  
Ion Ratio Lower Upper  
98 100  
100 65.8 53.6 80.4

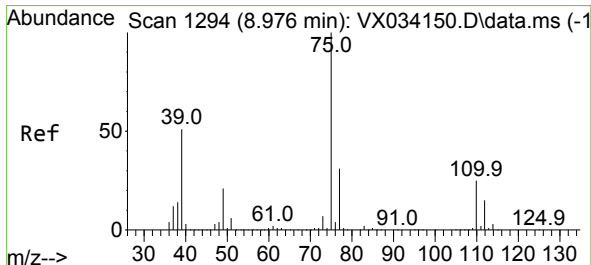
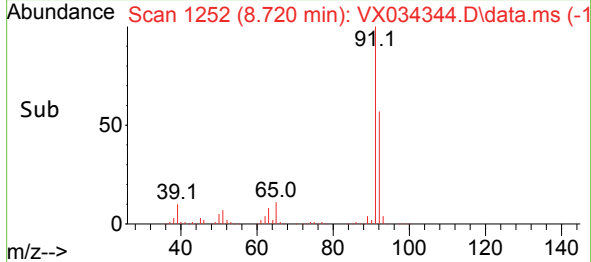
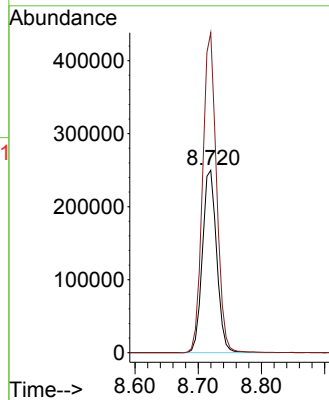
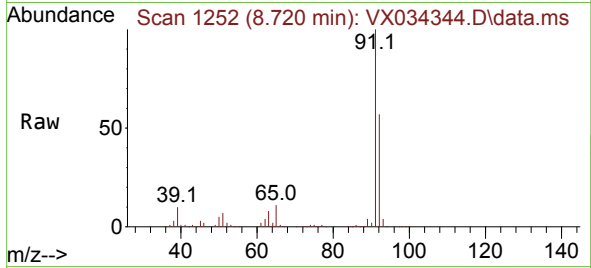




#52  
Toluene  
Concen: 50.528 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.006 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

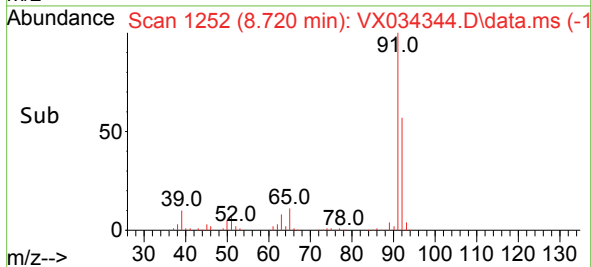
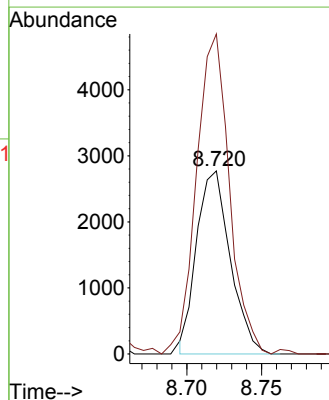
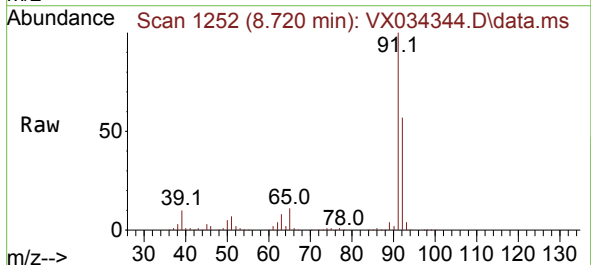
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

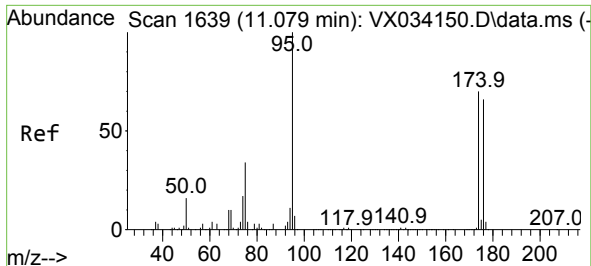
Tgt Ion: 92 Resp: 393346  
Ion Ratio Lower Upper  
92 100  
91 171.3 135.5 203.3



#53  
t-1,3-Dichloropropene  
Concen: 0.815 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.256 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 75 Resp: 4331  
Ion Ratio Lower Upper  
75 100  
77 172.4 25.5 38.3#

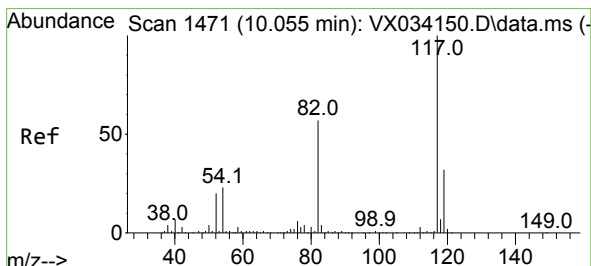
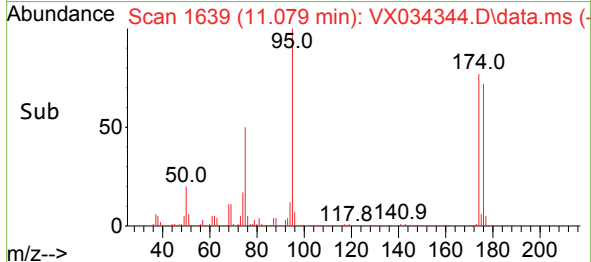
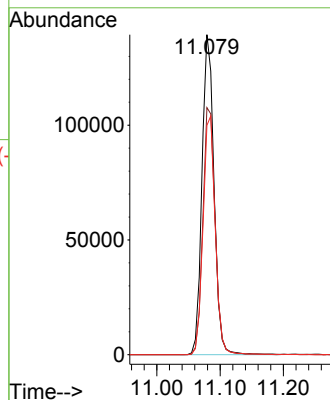
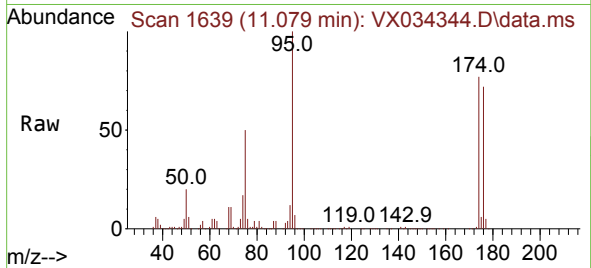




#62  
4-Bromofluorobenzene  
Concen: 45.860 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

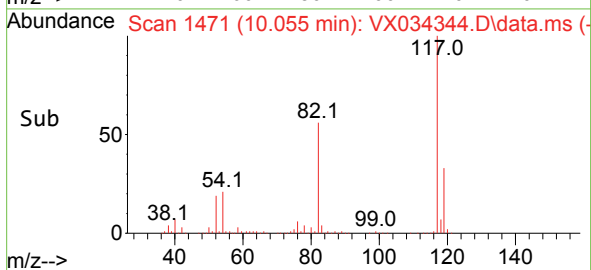
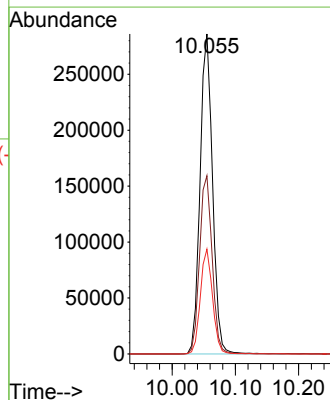
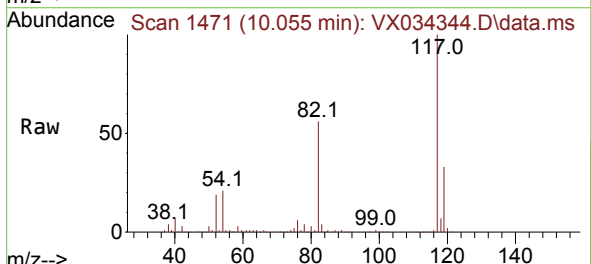
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

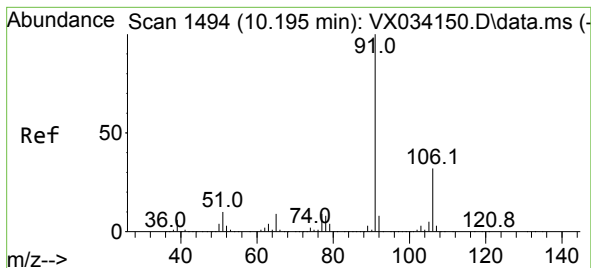
Tgt Ion: 95 Resp: 184623  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 184.4  
176 75.7 0.0 178.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 117 Resp: 392453  
Ion Ratio Lower Upper  
117 100  
82 55.7 40.6 60.8  
119 32.8 25.6 38.4

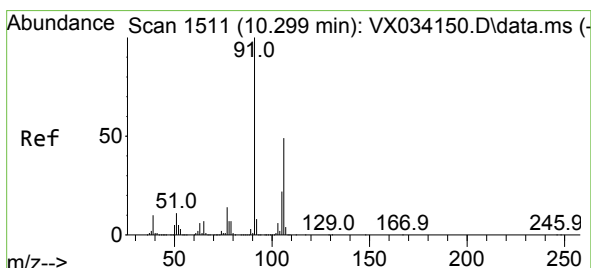
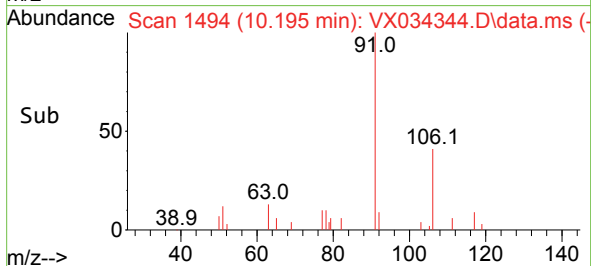
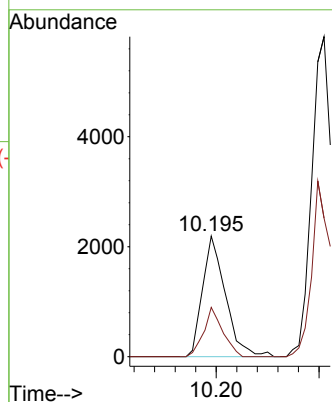
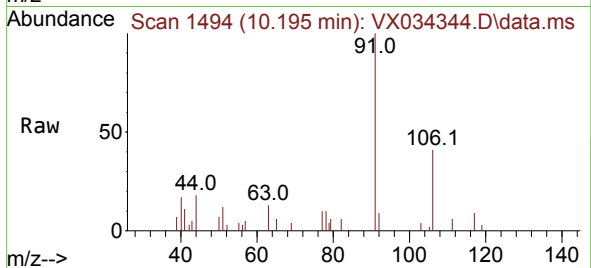




#67  
Ethyl Benzene  
Concen: 0.232 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

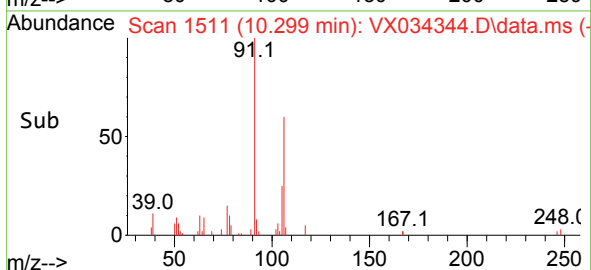
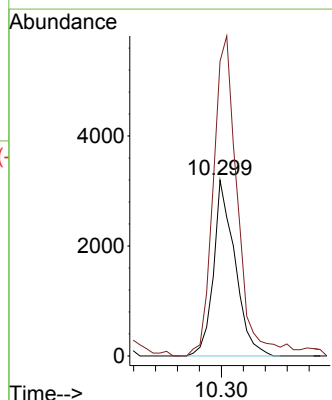
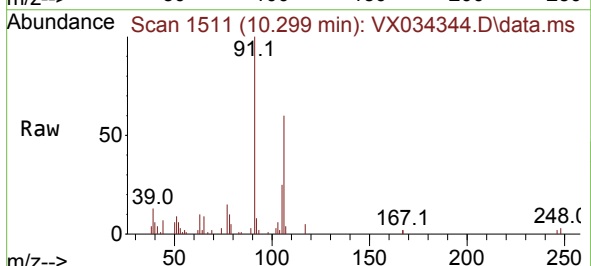
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

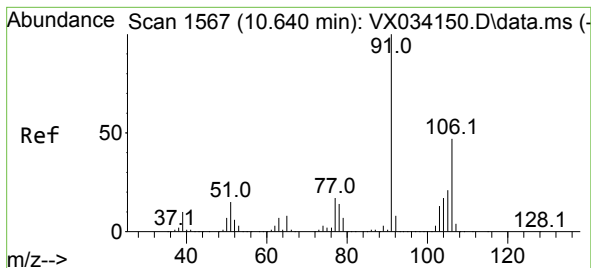
Tgt Ion: 91 Resp: 3403  
Ion Ratio Lower Upper  
91 100  
106 40.9 25.8 38.8#



#68  
m/p-Xylenes  
Concen: 0.772 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 106 Resp: 4341  
Ion Ratio Lower Upper  
106 100  
91 205.8 156.4 234.6





#69

o-Xylene

Concen: 0.401 ug/l

RT: 10.646 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX034344.D

Acq: 06 Mar 2023 13:00

Instrument :

MSVOA\_X

ClientSampleId :

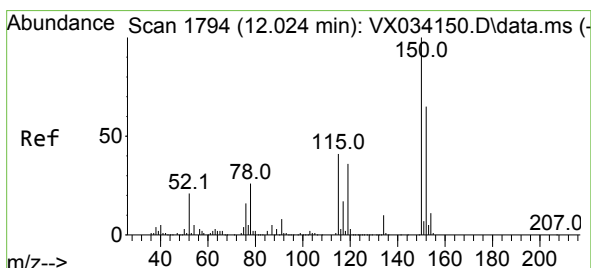
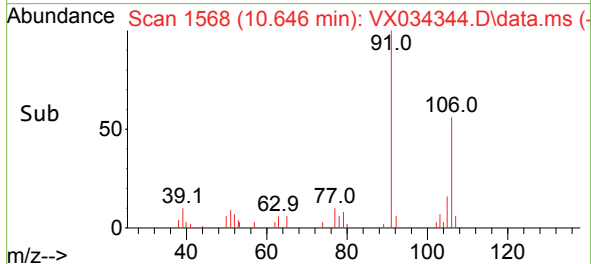
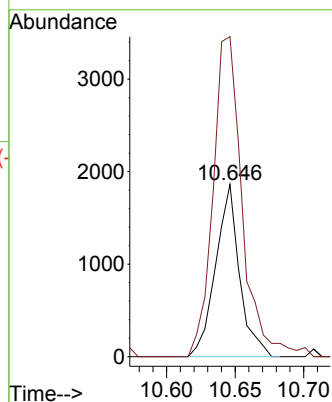
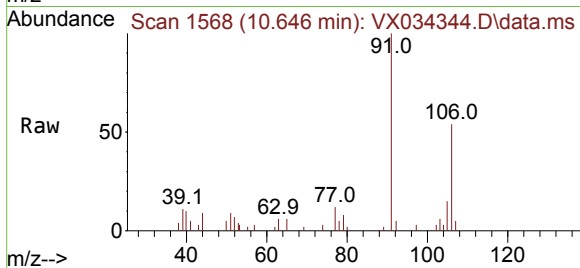
FMC-1601

Tgt Ion:106 Resp: 2248

Ion Ratio Lower Upper

106 100

91 228.5 103.1 309.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX034344.D

Acq: 06 Mar 2023 13:00

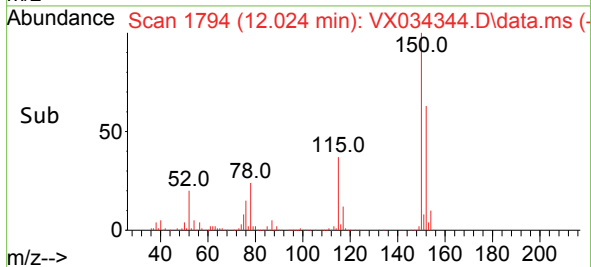
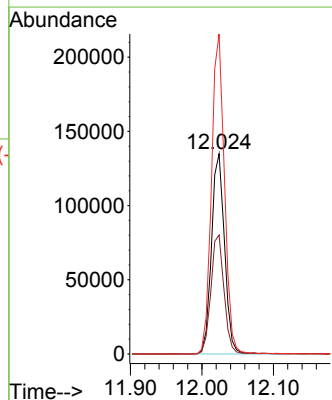
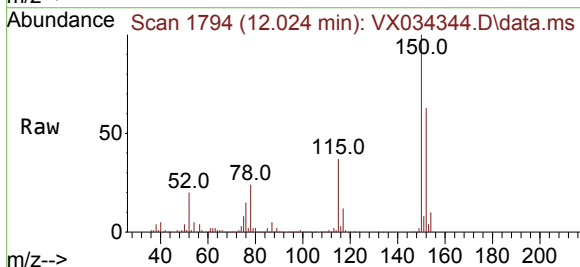
Tgt Ion:152 Resp: 171010

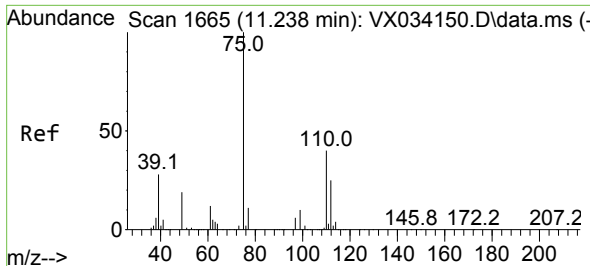
Ion Ratio Lower Upper

152 100

115 59.9 38.7 116.1

150 158.6 0.0 348.2

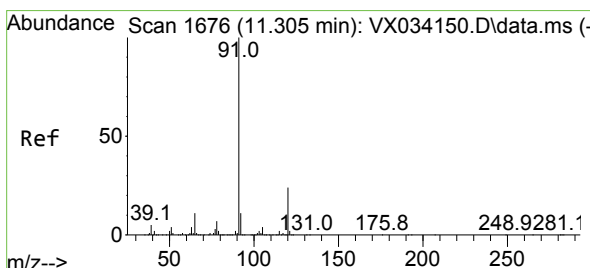
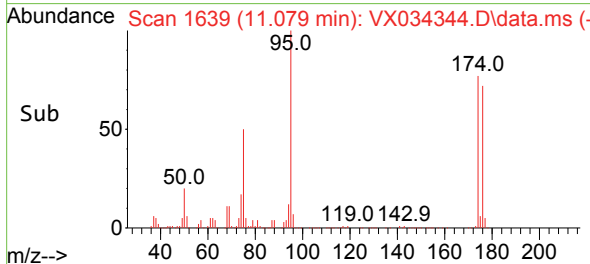
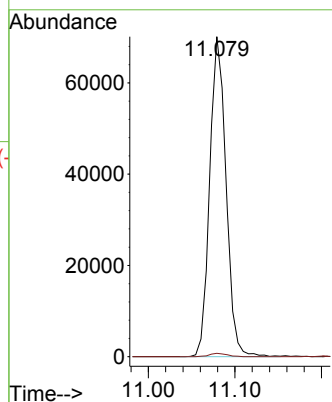
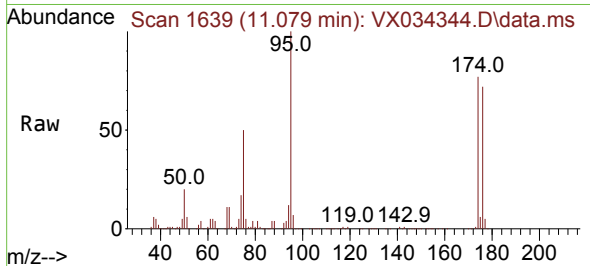




#76  
1,2,3-Trichloropropane  
Concen: 21.366 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

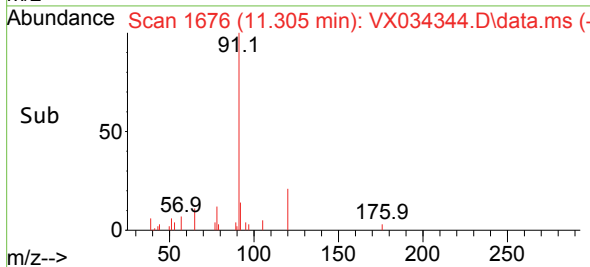
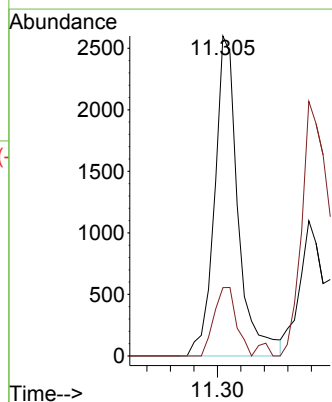
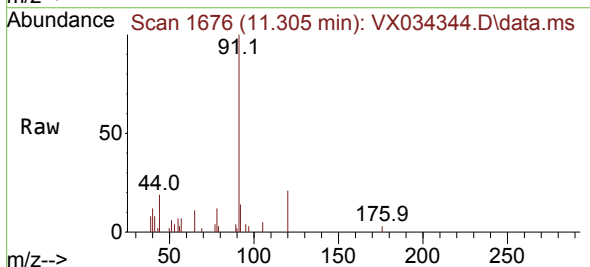
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

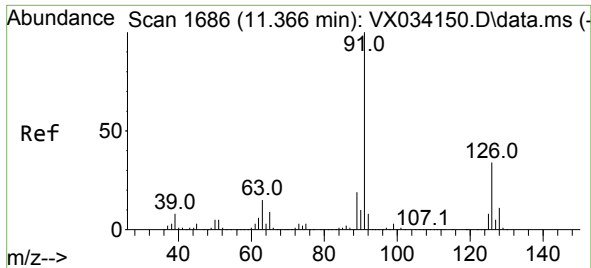
Tgt Ion: 75 Resp: 91941  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.8 65.4#



#78  
n-propylbenzene  
Concen: 0.239 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 91 Resp: 3619  
Ion Ratio Lower Upper  
91 100  
120 20.3 12.3 36.8

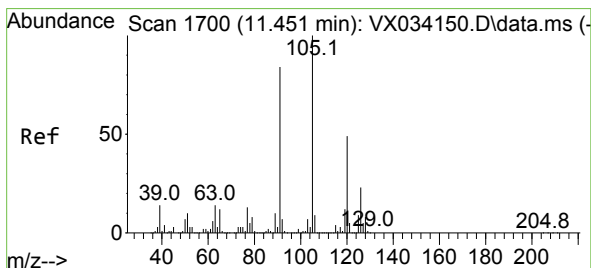
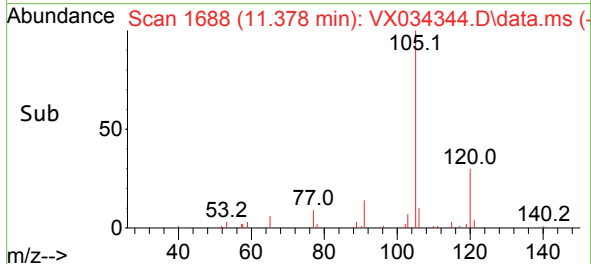
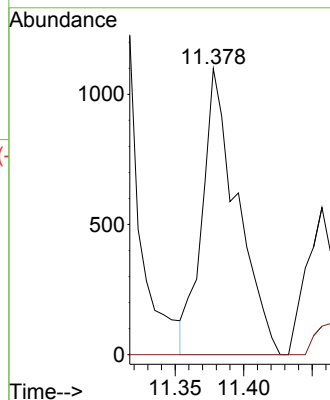
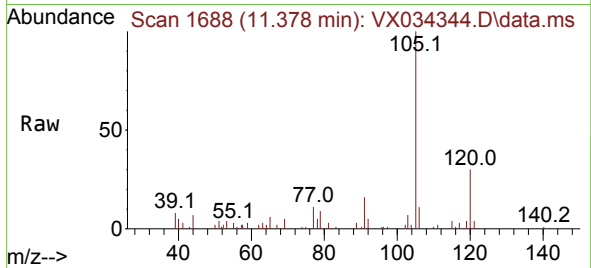




#79  
2-Chlorotoluene  
Concen: 0.210 ug/l  
RT: 11.378 min Scan# 1688  
Delta R.T. 0.012 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

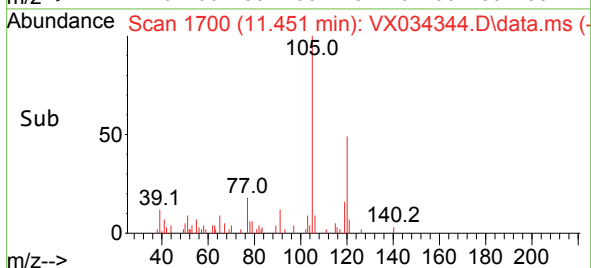
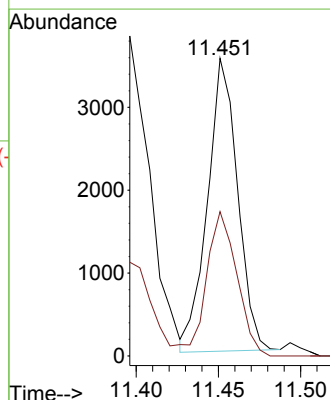
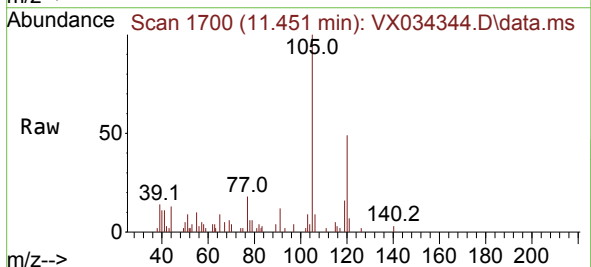
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

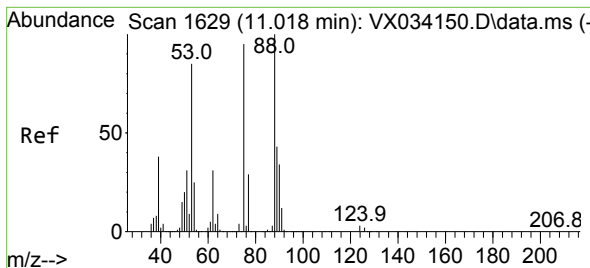
Tgt Ion: 91 Resp: 1952  
Ion Ratio Lower Upper  
91 100  
126 0.0 18.1 54.1#



#80  
1,3,5-Trimethylbenzene  
Concen: 0.410 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 105 Resp: 4493  
Ion Ratio Lower Upper  
105 100  
120 48.3 25.6 76.8

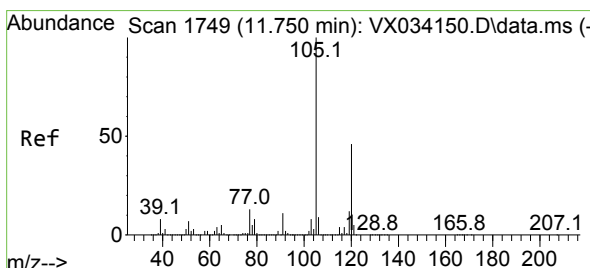
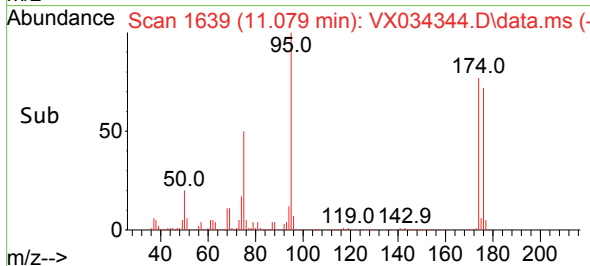
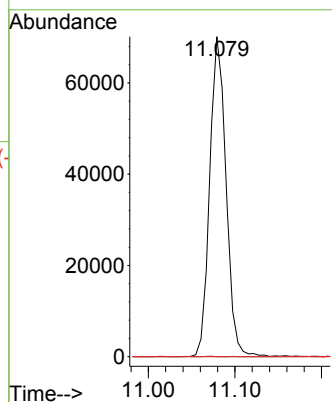
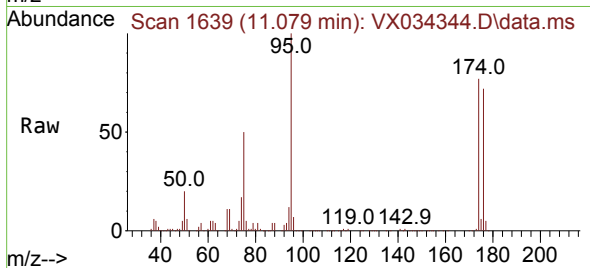




#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.888 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

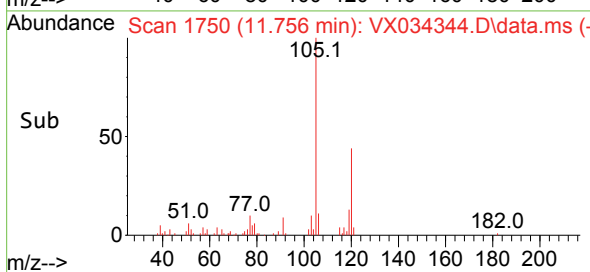
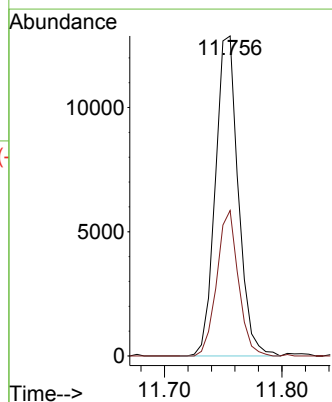
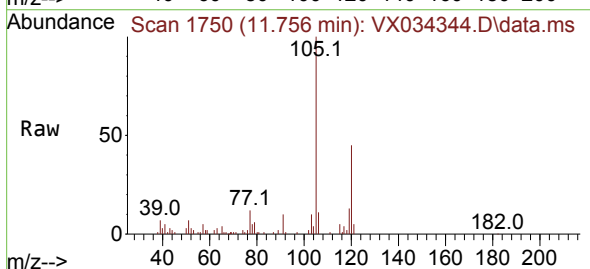
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMC-1601

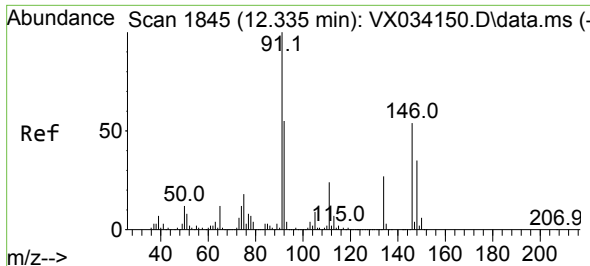
Tgt Ion: 75 Resp: 91941  
Ion Ratio Lower Upper  
75 100  
53 0.1 83.0 124.6#  
89 0.0 37.7 56.5#



#84  
1,2,4-Trimethylbenzene  
Concen: 1.574 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VX034344.D  
Acq: 06 Mar 2023 13:00

Tgt Ion: 105 Resp: 17440  
Ion Ratio Lower Upper  
105 100  
120 42.8 23.4 70.2





#89

n-Butylbenzene

Concen: 0.236 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX034344.D

Acq: 06 Mar 2023 13:00

Instrument :

MSVOA\_X

ClientSampleId :

FMC-1601

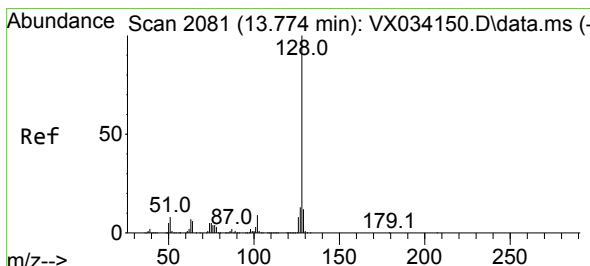
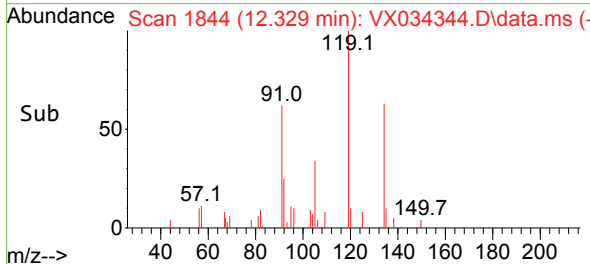
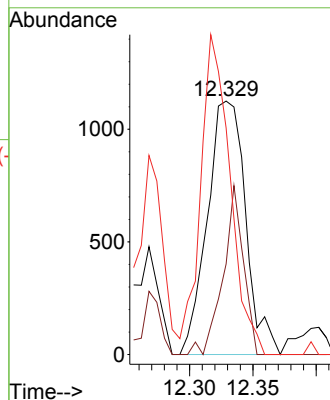
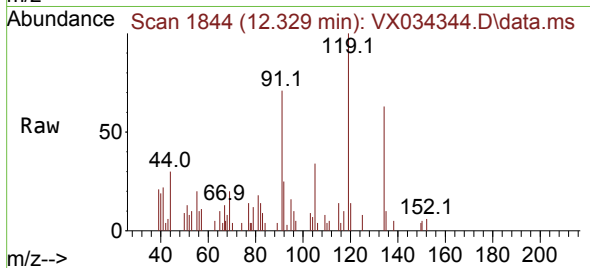
Tgt Ion: 91 Resp: 2370

Ion Ratio Lower Upper

91 100

92 35.2 27.5 82.5

134 96.9 14.3 42.9#



#95

Naphthalene

Concen: 0.516 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX034344.D

Acq: 06 Mar 2023 13:00

Tgt Ion: 128 Resp: 6428

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 11.3 8.7 13.1

