

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120924\  
 Data File : VX044182.D  
 Acq On : 09 Dec 2024 12:57  
 Operator : JC/MD  
 Sample : P5133-01ME  
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MOO-24-00374ME

Quant Time: Dec 10 01:40:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

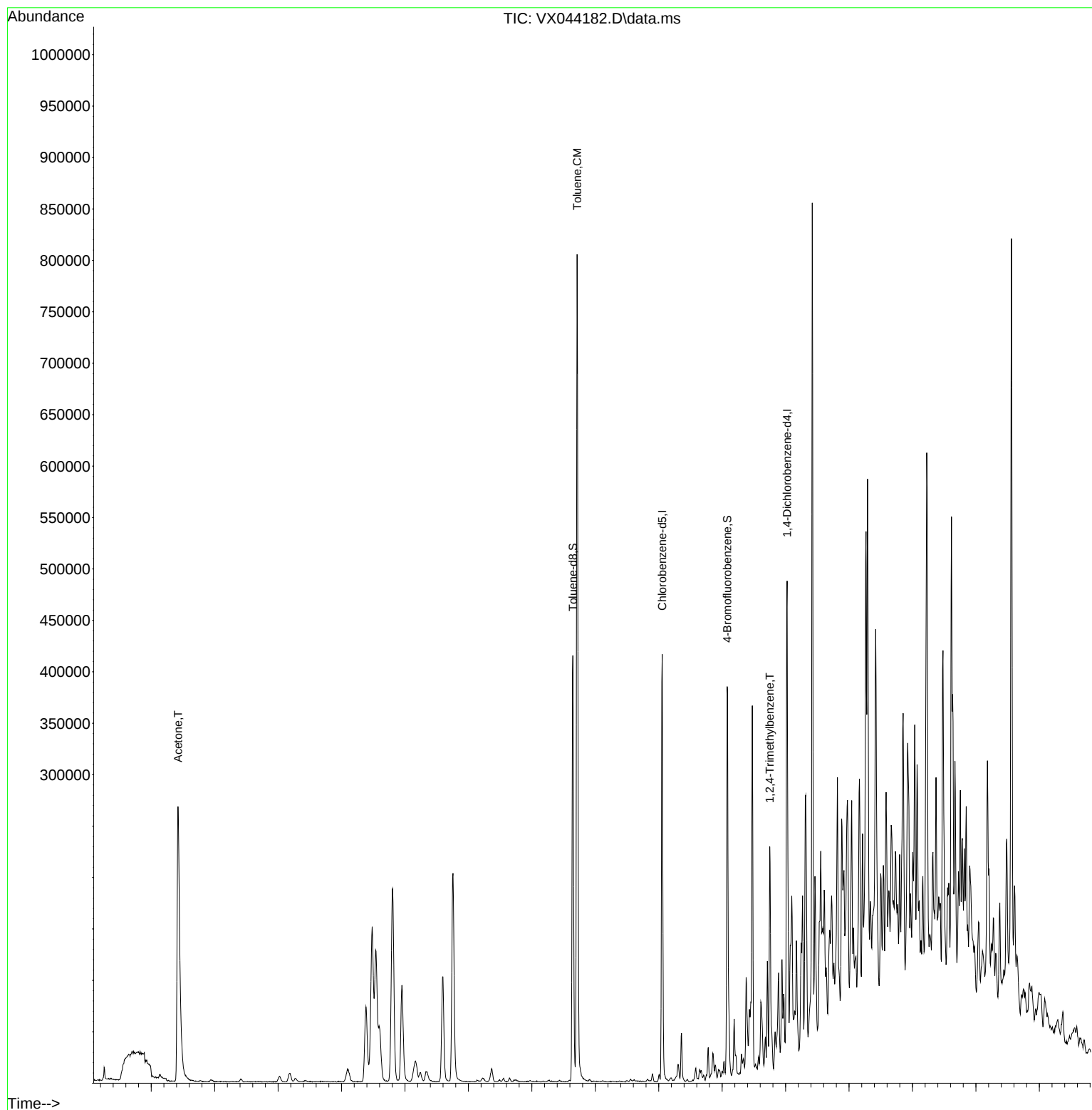
| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 5.544          | 168  | 107586              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 205118              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 183244              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 86579               | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 93954               | 50.916  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 101.840% |         |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 63271               | 43.169  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 86.340%  |         |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 253254              | 50.126  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 100.260% |         |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 89764               | 52.205  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 104.420% |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         |        |          |
| 16) Acetone                 | 2.422          | 43   | 530976              | 626.503 | ug/l   | 100      |
| 20) Methylene Chloride      | 2.782          | 84   | 435                 | 0.302   | ug/l # | 70       |
| 39) Methylcyclohexane       | 7.373          | 83   | 5058                | 2.132   | ug/l   | 99       |
| 52) Toluene                 | 8.714          | 92   | 289575              | 85.041  | ug/l   | 100      |
| 67) Ethyl Benzene           | 10.201         | 91   | 2000                | 0.293   | ug/l # | 79       |
| 68) m/p-Xylenes             | 10.305         | 106  | 3347                | 1.316   | ug/l   | 84       |
| 69) o-Xylene                | 10.640         | 106  | 2285                | 0.920   | ug/l   | 92       |
| 73) Isopropylbenzene        | 10.963         | 105  | 2799                | 0.421   | ug/l   | 99       |
| 78) n-propylbenzene         | 11.305         | 91   | 13499               | 1.816   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 21373               | 3.904   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 85044               | 15.601  | ug/l   | 99       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 11792               | 1.773   | ug/l   | 82       |
| 86) p-Isopropyltoluene      | 12.006         | 119  | 7571                | 1.402   | ug/l   | 91       |
| 89) n-Butylbenzene          | 12.329         | 91   | 37229               | 7.818   | ug/l # | 56       |
| -----                       |                |      |                     |         |        |          |

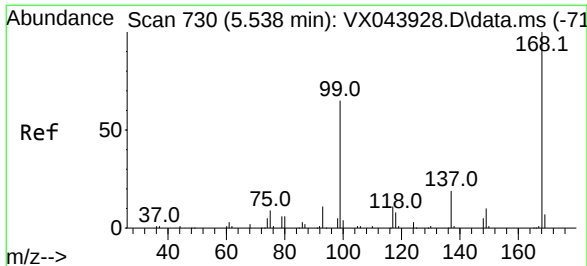
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120924\  
Data File : VX044182.D  
Acq On : 09 Dec 2024 12:57  
Operator : JC/MD  
Sample : P5133-01ME  
Misc : 5.04g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-24-00374ME

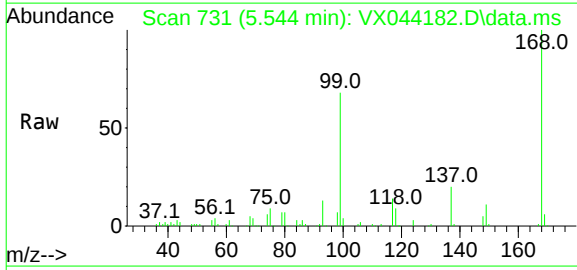
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration



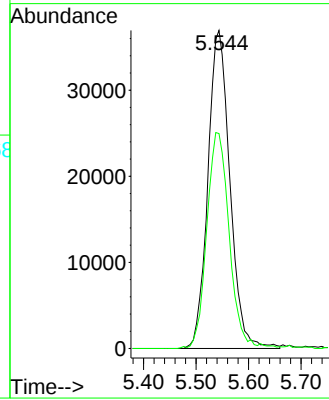
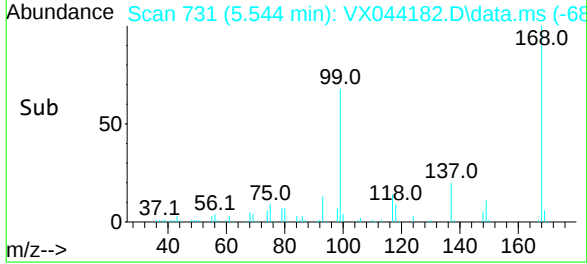


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 73  
Delta R.T. 0.006 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

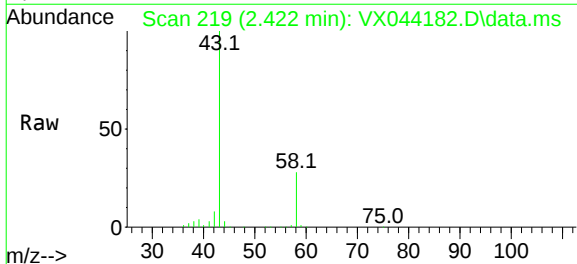
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-24-00374ME



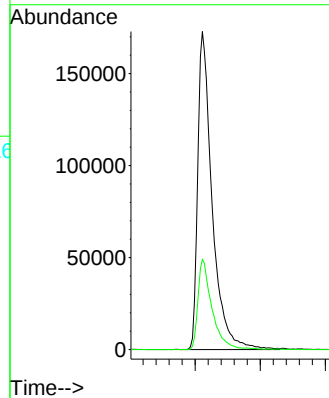
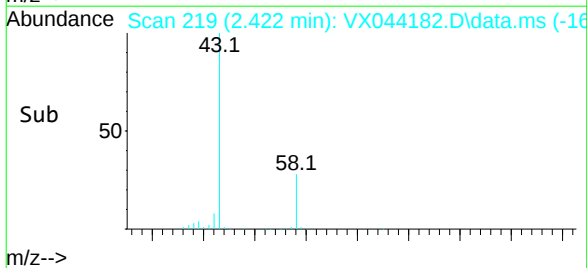
Tgt Ion:168 Resp: 107586  
Ion Ratio Lower Upper  
168 100  
99 67.3 51.8 77.8

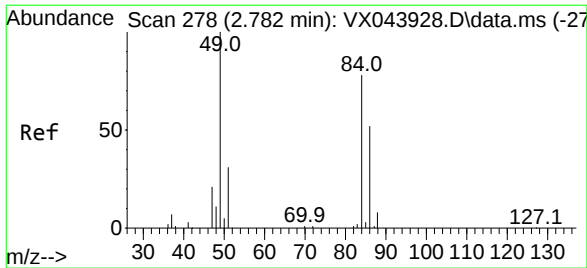


#16  
Acetone  
Concen: 626.503 ug/l  
RT: 2.422 min Scan# 219  
Delta R.T. 0.042 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57



Tgt Ion: 43 Resp: 530976  
Ion Ratio Lower Upper  
43 100  
58 28.3 22.7 34.1

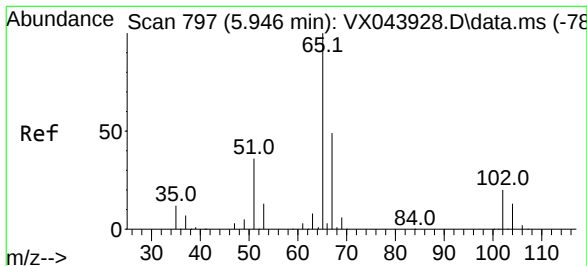
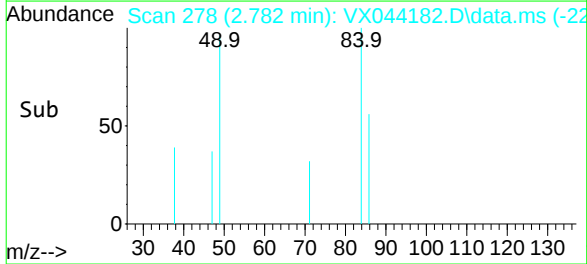
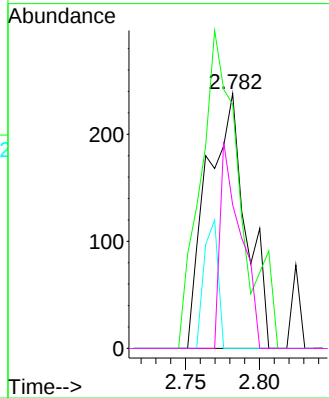
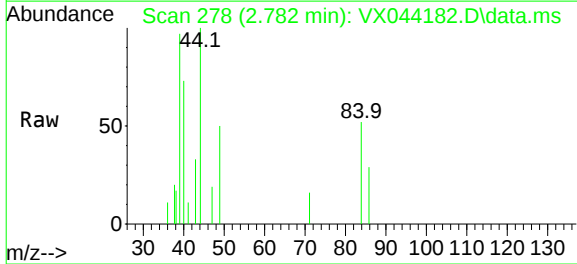




#20  
Methylene Chloride  
Concen: 0.302 ug/l  
RT: 2.782 min Scan# 27  
Delta R.T. -0.000 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

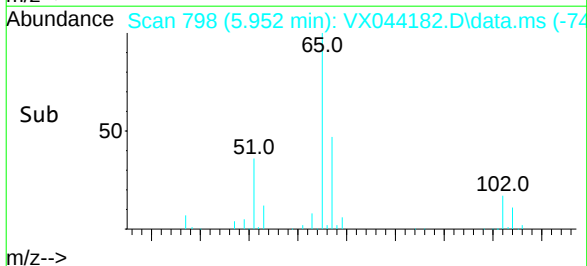
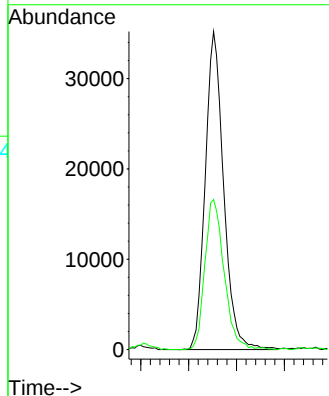
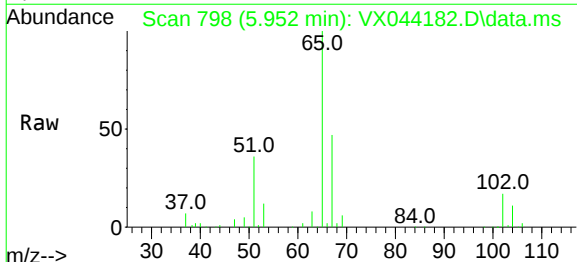
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-24-00374ME

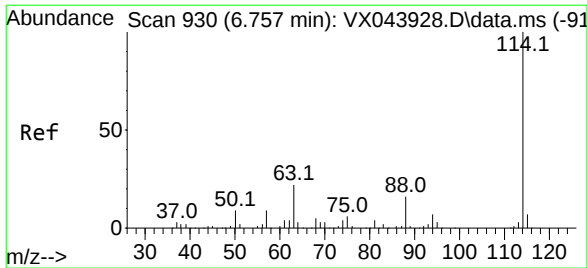
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 435    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 95.8  | 102.7 | 154.1# |
| 51       | 0.0   | 31.7  | 47.5#  |
| 86       | 56.3  | 53.9  | 80.9   |



#33  
1,2-Dichloroethane-d4  
Concen: 50.916 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

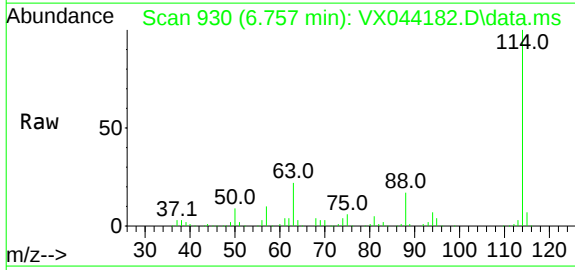
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 93954 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 49.3  | 0.0   | 100.8 |



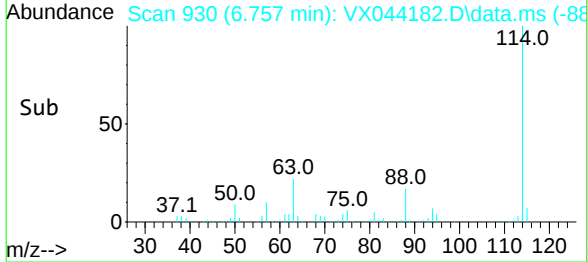
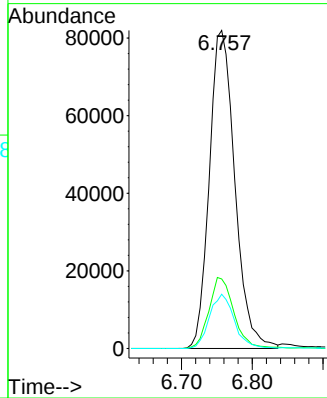


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 93  
Delta R.T. -0.000 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-24-00374ME

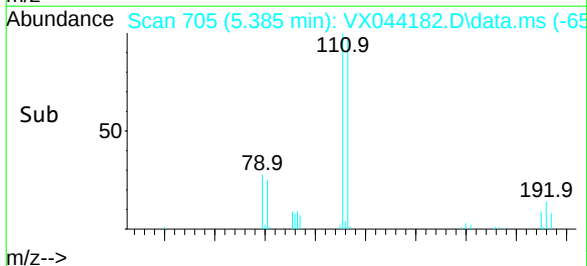
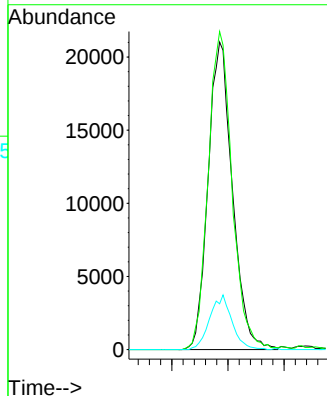
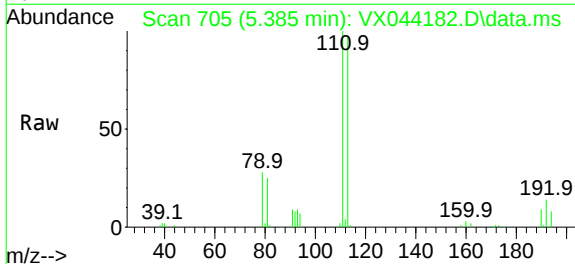


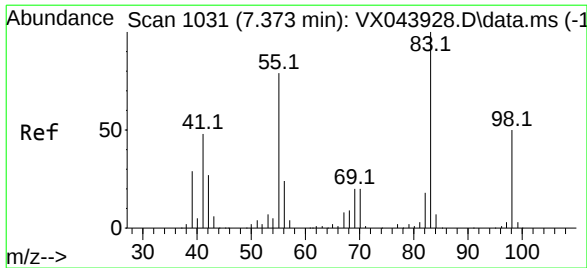
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 205118 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.9  | 0.0   | 44.0   |
| 88       | 17.1  | 0.0   | 32.4   |



#35  
Dibromofluoromethane  
Concen: 43.169 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 63271 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.7 | 81.0  | 121.4 |
| 192      | 16.2  | 13.0  | 19.6  |

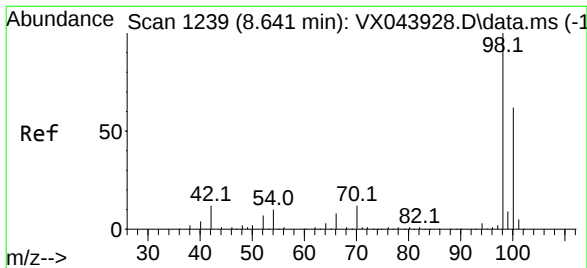
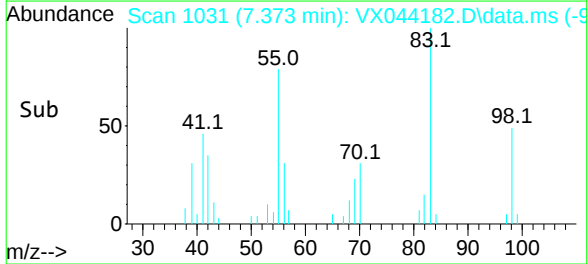
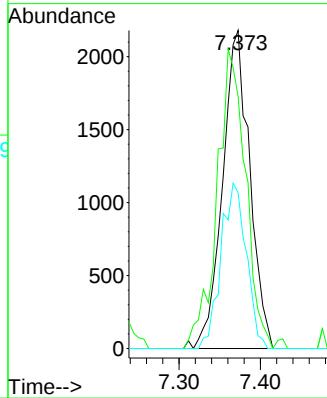
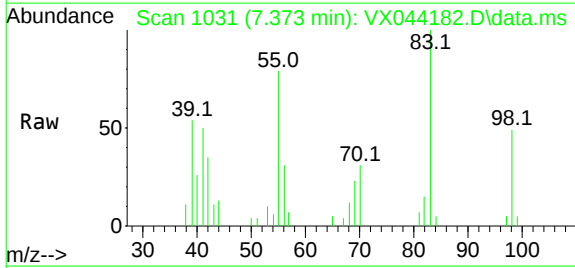




#39  
Methylcyclohexane  
Concen: 2.132 ug/l  
RT: 7.373 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

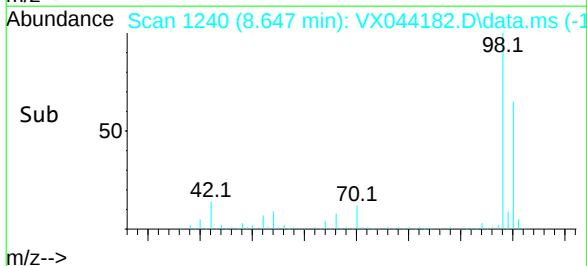
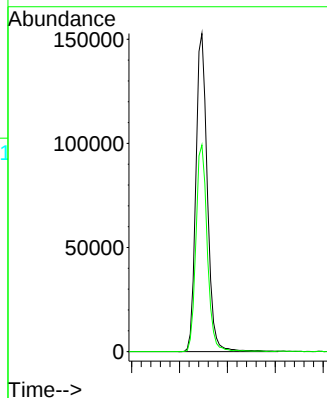
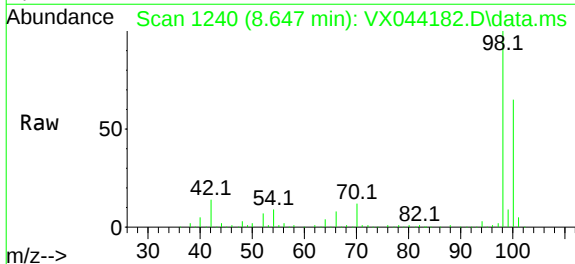
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-24-00374ME

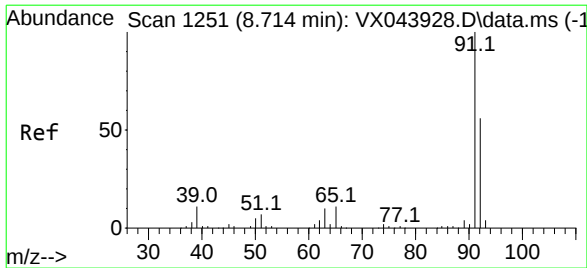
|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 5058     |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 55          | 79.3 63.1 94.7 |
| 98          | 49.0 40.0 60.0 |



#50  
Toluene-d8  
Concen: 50.126 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

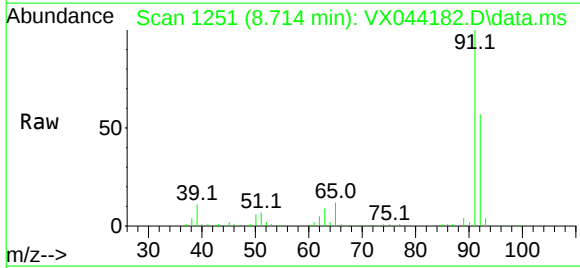
|             |                |
|-------------|----------------|
| Tgt Ion: 98 | Resp: 253254   |
| Ion Ratio   | Lower Upper    |
| 98          | 100            |
| 100         | 64.0 52.6 79.0 |



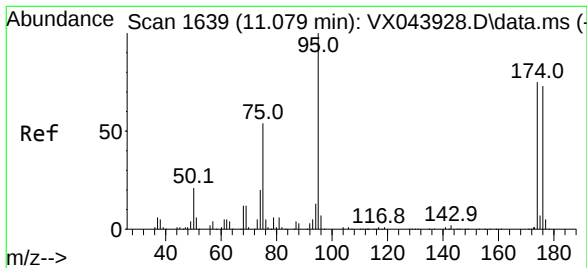
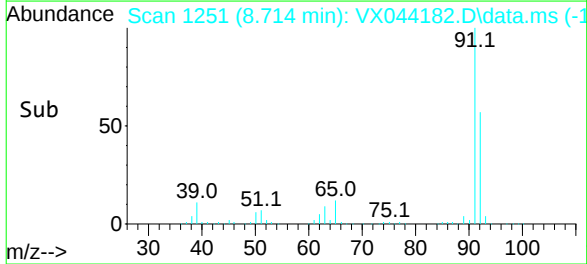
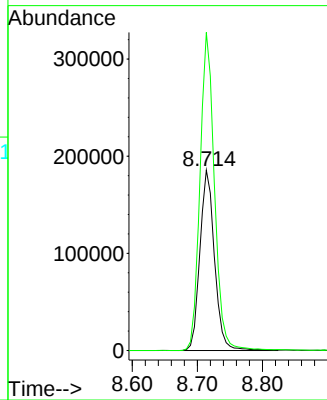


#52  
Toluene  
Concen: 85.041 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-24-00374ME

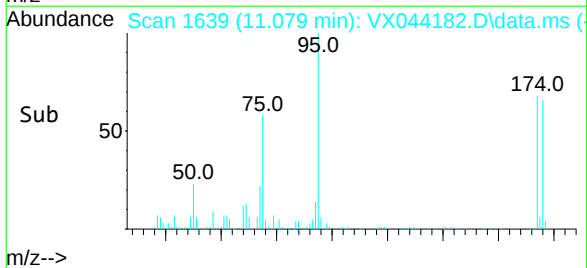
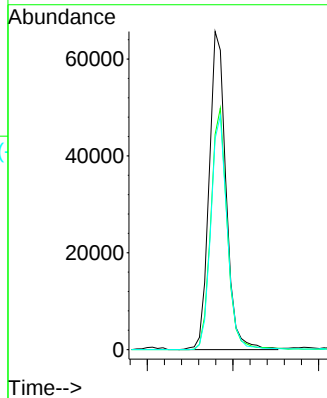
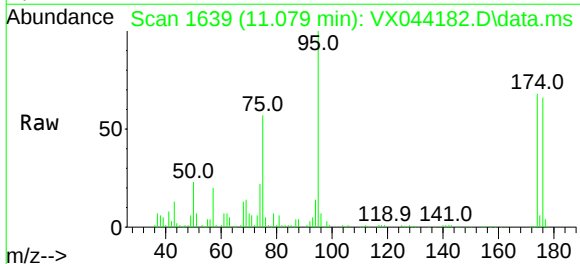


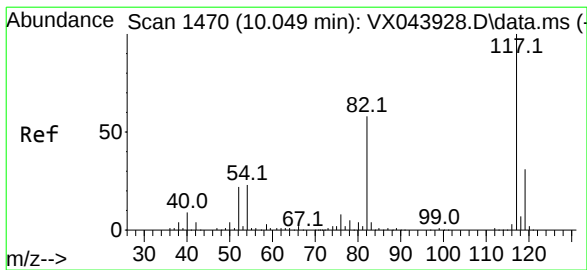
Tgt Ion: 92 Resp: 289575  
Ion Ratio Lower Upper  
92 100  
91 174.8 139.7 209.5



#62  
4-Bromofluorobenzene  
Concen: 52.205 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

Tgt Ion: 95 Resp: 89764  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 150.4  
176 71.8 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044182.D

Acq: 09 Dec 2024 12:57

Instrument :

MSVOA\_X

ClientSampleId :

MOO-24-00374ME

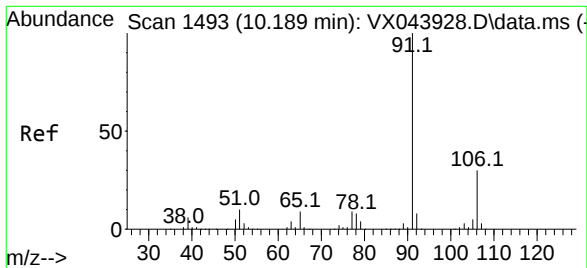
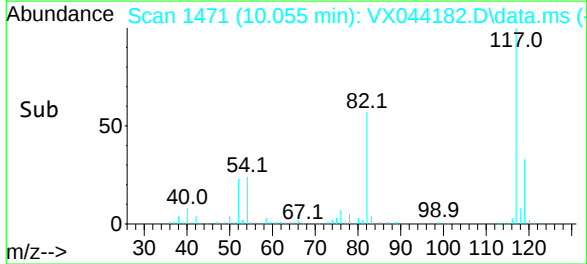
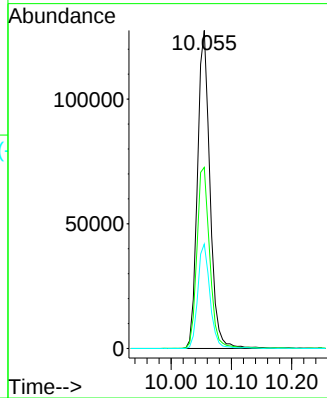
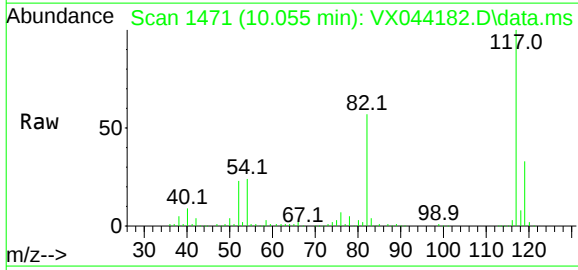
Tgt Ion:117 Resp: 183244

Ion Ratio Lower Upper

117 100

82 56.9 46.4 69.6

119 32.8 24.6 37.0



#67

Ethyl Benzene

Concen: 0.293 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.012 min

Lab File: VX044182.D

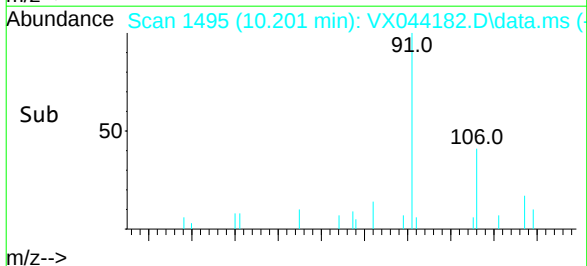
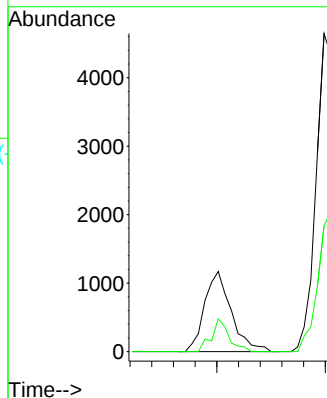
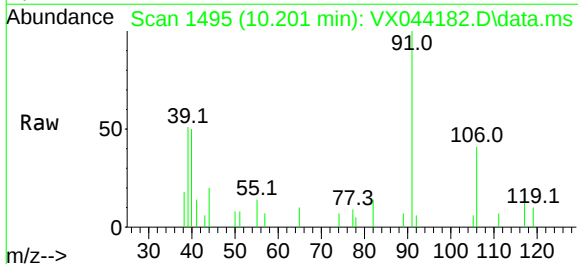
Acq: 09 Dec 2024 12:57

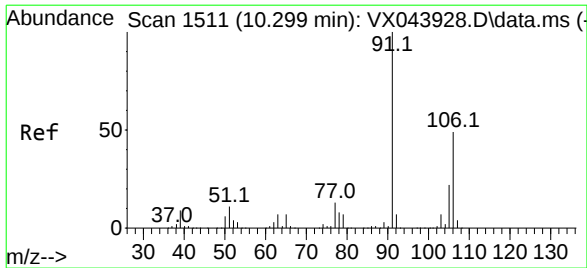
Tgt Ion: 91 Resp: 2000

Ion Ratio Lower Upper

91 100

106 40.8 23.6 35.4#

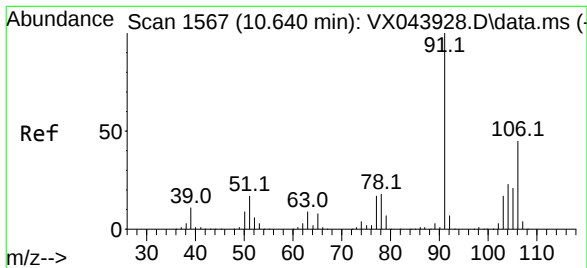
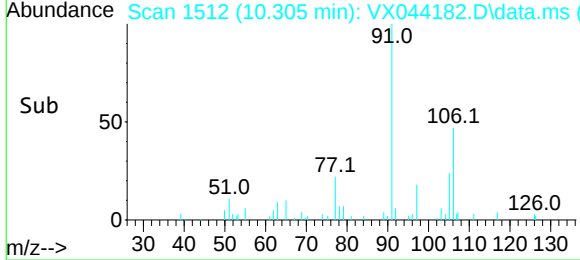
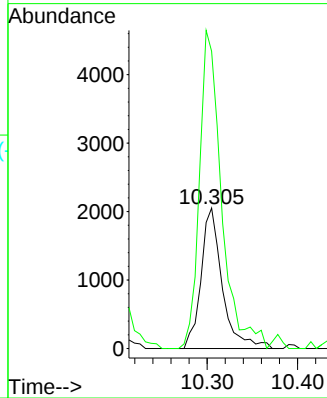
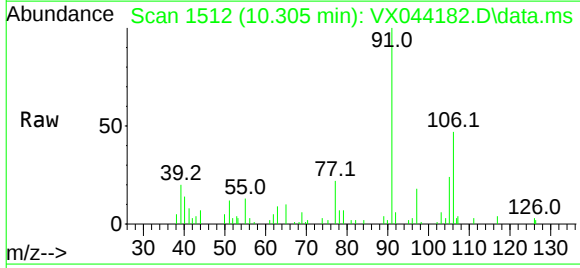




#68  
m/p-Xylenes  
Concen: 1.316 ug/l  
RT: 10.305 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

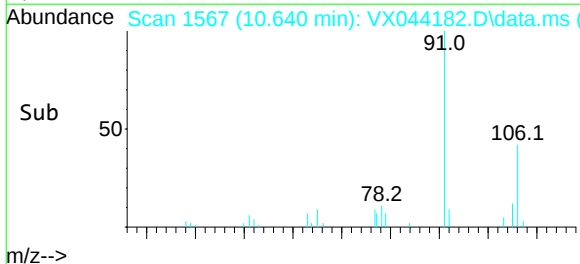
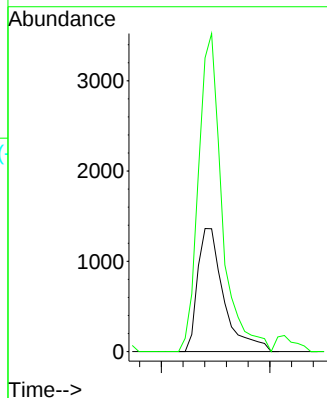
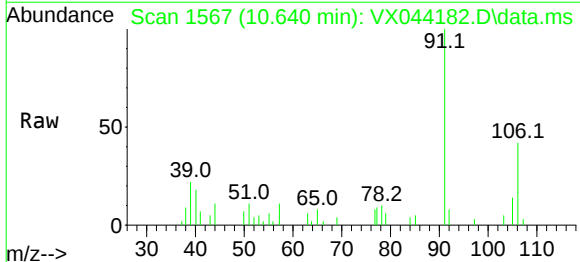
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-24-00374ME

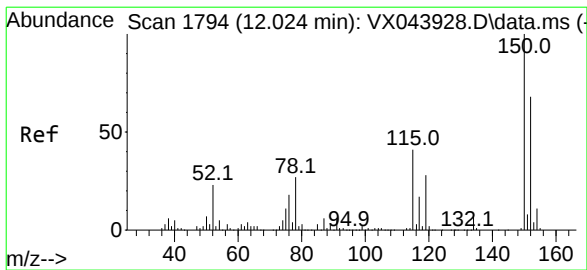
Tgt Ion:106 Resp: 3347  
Ion Ratio Lower Upper  
106 100  
91 235.1 168.1 252.1



#69  
o-Xylene  
Concen: 0.920 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

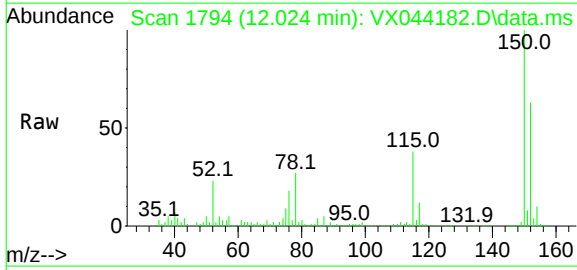
Tgt Ion:106 Resp: 2285  
Ion Ratio Lower Upper  
106 100  
91 232.9 110.2 330.6



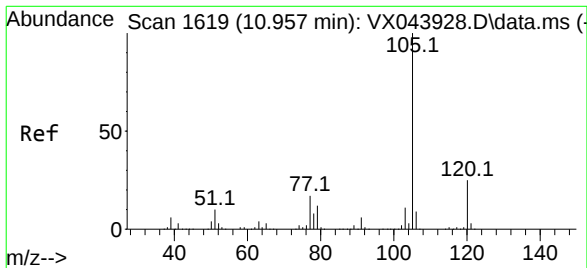
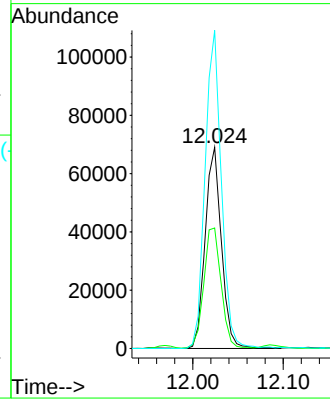
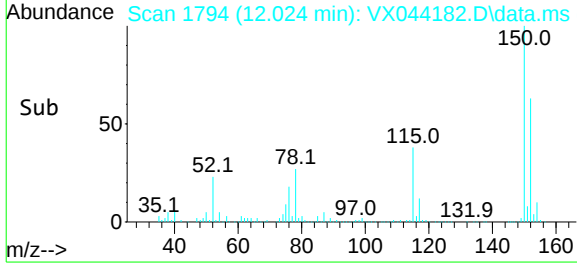


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57

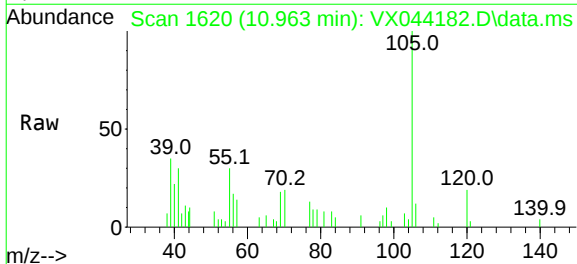
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-24-00374ME



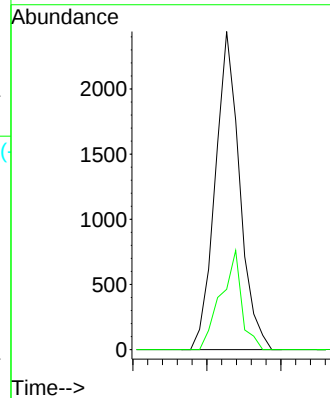
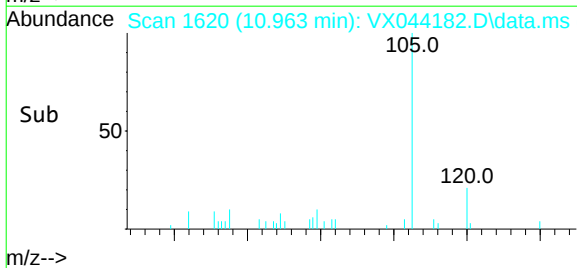
Tgt Ion:152 Resp: 86579  
Ion Ratio Lower Upper  
152 100  
115 63.8 45.4 136.2  
150 158.2 0.0 353.0

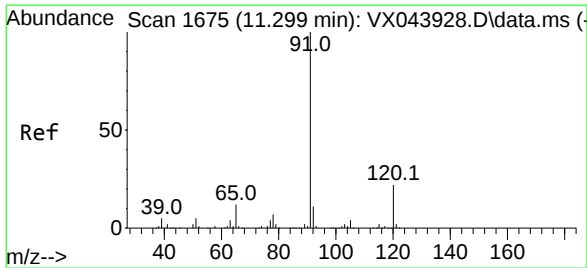


#73  
Isopropylbenzene  
Concen: 0.421 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.006 min  
Lab File: VX044182.D  
Acq: 09 Dec 2024 12:57



Tgt Ion:105 Resp: 2799  
Ion Ratio Lower Upper  
105 100  
120 26.5 13.0 38.9





#78

n-propylbenzene

Concen: 1.816 ug/l

RT: 11.305 min Scan# 1675

Delta R.T. 0.006 min

Lab File: VX044182.D

Acq: 09 Dec 2024 12:57

Instrument :

MSVOA\_X

ClientSampleId :

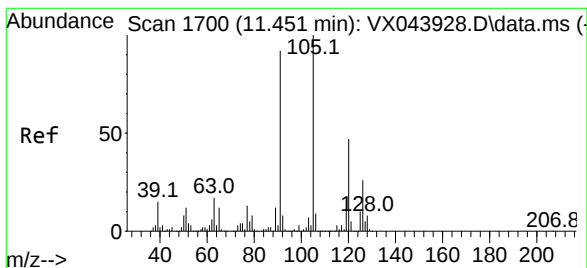
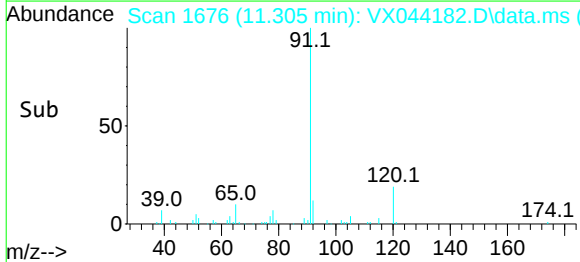
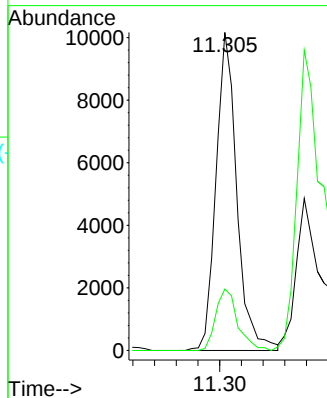
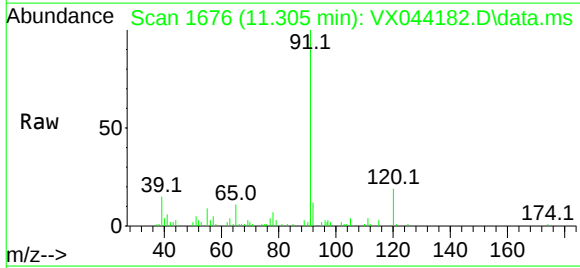
MOO-24-00374ME

Tgt Ion: 91 Resp: 13499

Ion Ratio Lower Upper

91 100

120 20.3 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 3.904 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044182.D

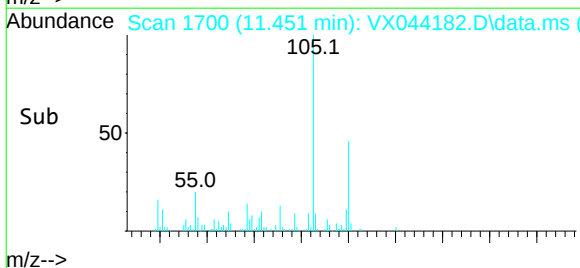
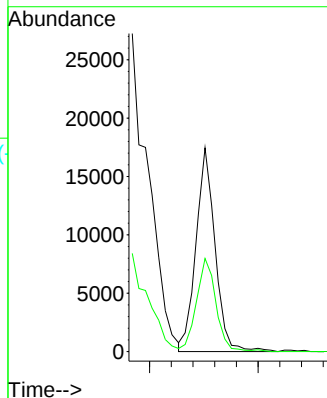
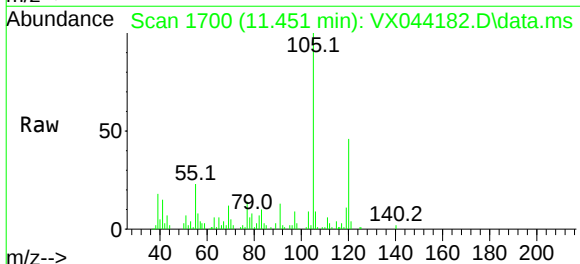
Acq: 09 Dec 2024 12:57

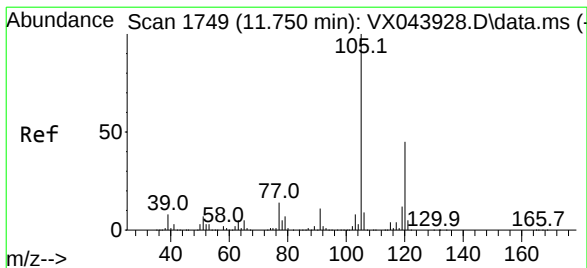
Tgt Ion: 105 Resp: 21373

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.8





#84

1,2,4-Trimethylbenzene

Concen: 15.601 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044182.D

Acq: 09 Dec 2024 12:57

Instrument :

MSVOA\_X

ClientSampleId :

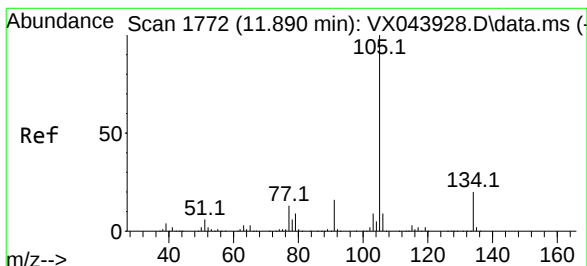
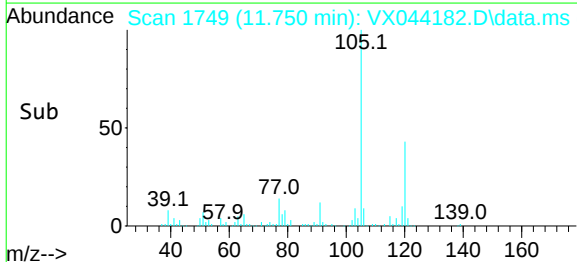
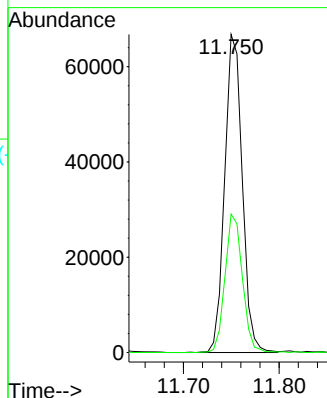
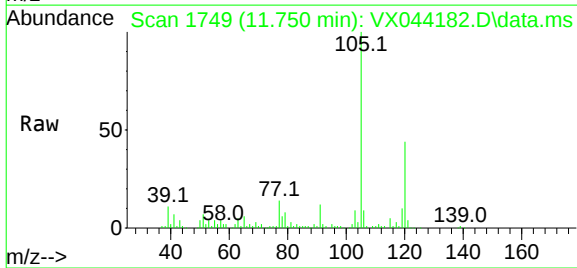
MOO-24-00374ME

Tgt Ion:105 Resp: 85044

Ion Ratio Lower Upper

105 100

120 43.2 21.9 65.7



#85

sec-Butylbenzene

Concen: 1.773 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044182.D

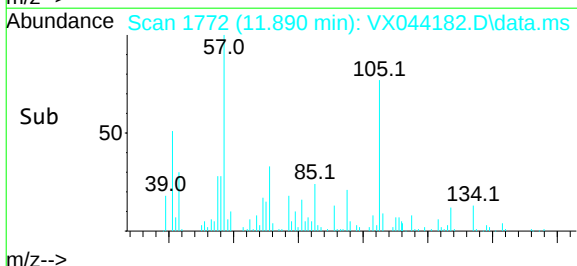
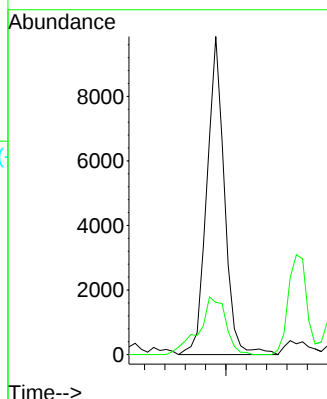
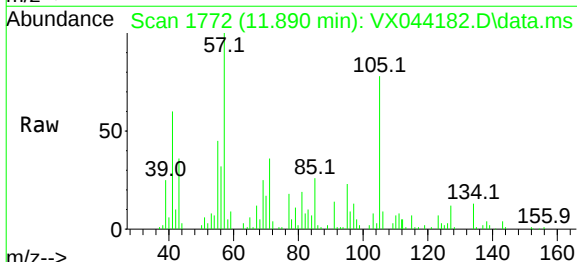
Acq: 09 Dec 2024 12:57

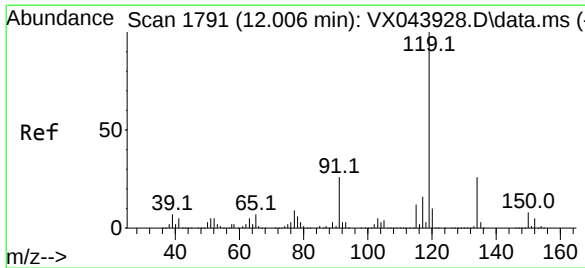
Tgt Ion:105 Resp: 11792

Ion Ratio Lower Upper

105 100

134 27.7 9.7 29.1





#86

p-Isopropyltoluene

Concen: 1.402 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044182.D

Acq: 09 Dec 2024 12:57

Instrument :

MSVOA\_X

ClientSampleId :

MOO-24-00374ME

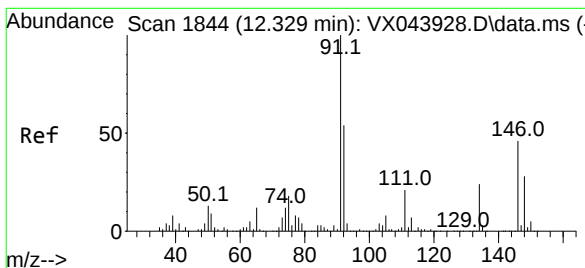
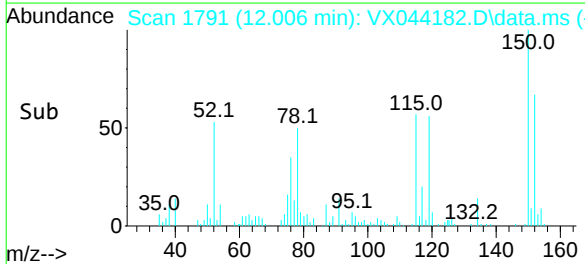
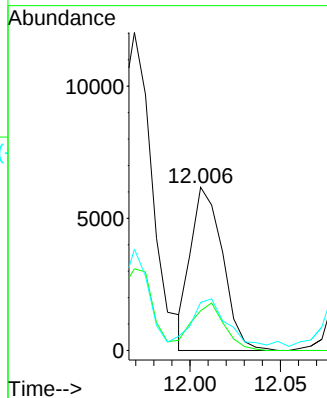
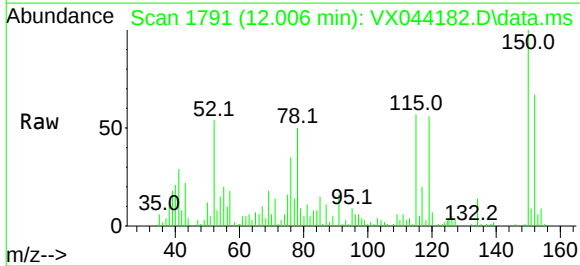
Tgt Ion:119 Resp: 7571

Ion Ratio Lower Upper

119 100

134 30.9 13.0 38.9

91 29.9 13.0 38.9



#89

n-Butylbenzene

Concen: 7.818 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044182.D

Acq: 09 Dec 2024 12:57

Tgt Ion: 91 Resp: 37229

Ion Ratio Lower Upper

91 100

92 38.6 26.6 79.8

134 71.8 12.4 37.2#

