

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
 Data File : VX041334.D  
 Acq On : 01 May 2024 18:12  
 Operator : JC/MD  
 Sample : P2264-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T11-MW-9-9.0-042324

Quant Time: May 02 03:15:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 02:38:17 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 143156   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 240250   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 229786   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 106314   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 78124    | 50.129   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 100.260% |      |
| 35) Dibromofluoromethane    | 5.385  | 113   | 64039    | 39.333   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 78.660%  |      |
| 50) Toluene-d8              | 8.647  | 98    | 267017   | 51.817   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 103.640% |      |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 100172   | 50.217   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 100.440% |      |

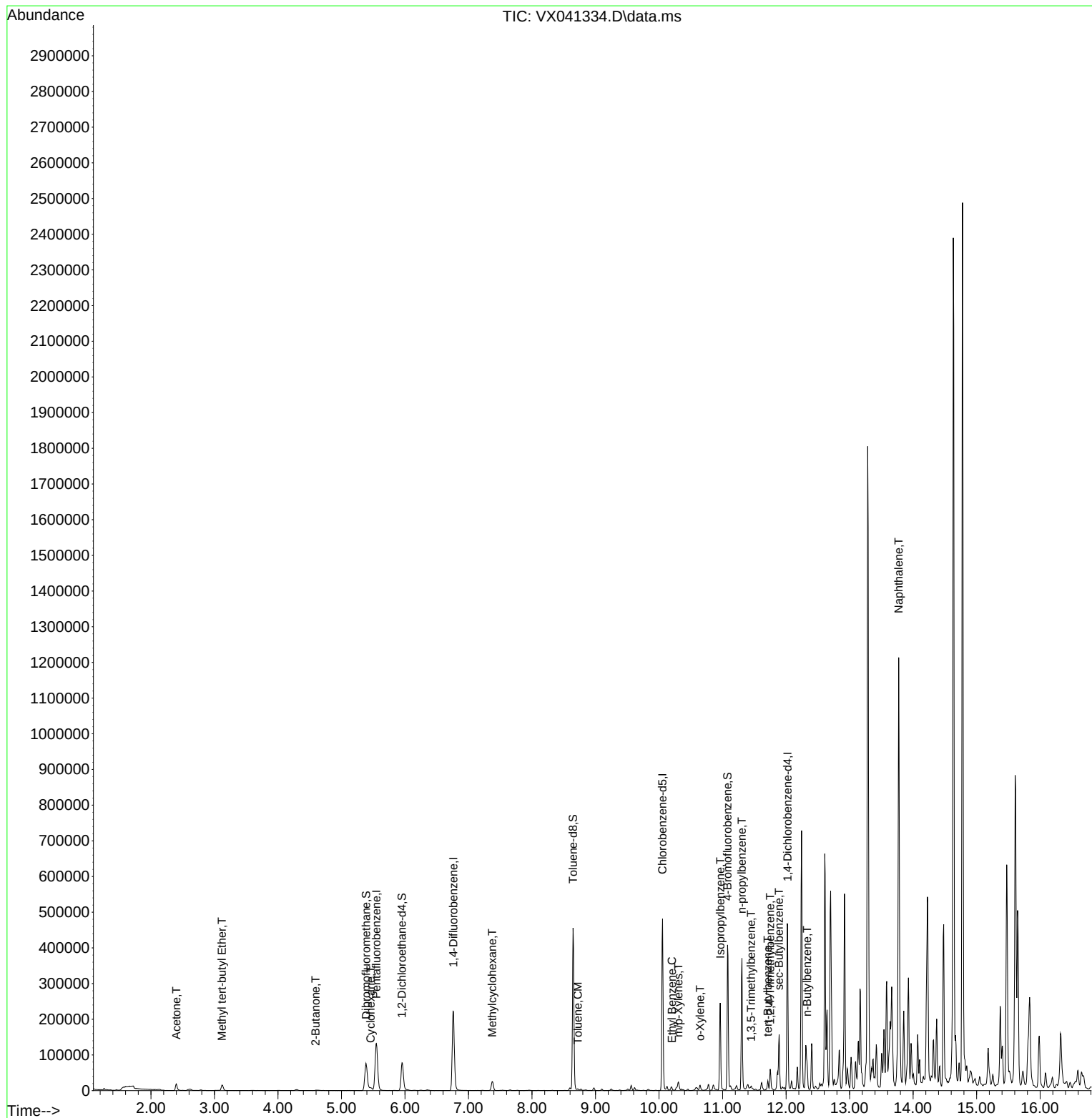
|                             |        |     |        |         |        |    |
|-----------------------------|--------|-----|--------|---------|--------|----|
| Target Compounds            |        |     |        | Qvalue  |        |    |
| 16) Acetone                 | 2.398  | 43  | 24201  | 31.851  | ug/l   | 98 |
| 19) Methyl tert-butyl Ether | 3.117  | 73  | 17840  | 4.411   | ug/l   | 99 |
| 25) 2-Butanone              | 4.593  | 43  | 3301   | 3.273   | ug/l # | 86 |
| 31) Cyclohexane             | 5.458  | 56  | 4961   | 2.638   | ug/l   | 91 |
| 39) Methylcyclohexane       | 7.373  | 83  | 11593  | 5.069   | ug/l   | 91 |
| 52) Toluene                 | 8.720  | 92  | 1938   | 0.528   | ug/l   | 97 |
| 67) Ethyl Benzene           | 10.201 | 91  | 6223   | 0.809   | ug/l   | 98 |
| 68) m/p-Xylenes             | 10.305 | 106 | 5200   | 1.687   | ug/l   | 96 |
| 69) o-Xylene                | 10.646 | 106 | 3307   | 1.121   | ug/l   | 91 |
| 73) Isopropylbenzene        | 10.963 | 105 | 127502 | 19.647  | ug/l   | 96 |
| 78) n-propylbenzene         | 11.305 | 91  | 220304 | 32.322  | ug/l   | 97 |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105 | 4875   | 0.921   | ug/l   | 99 |
| 83) tert-Butylbenzene       | 11.713 | 119 | 9153   | 1.616   | ug/l   | 97 |
| 84) 1,2,4-Trimethylbenzene  | 11.750 | 105 | 24473  | 4.598   | ug/l   | 93 |
| 85) sec-Butylbenzene        | 11.890 | 105 | 79325  | 12.218  | ug/l   | 79 |
| 89) n-Butylbenzene          | 12.329 | 91  | 34583  | 7.376   | ug/l # | 67 |
| 95) Naphthalene             | 13.774 | 128 | 745082 | 102.289 | ug/l   | 99 |

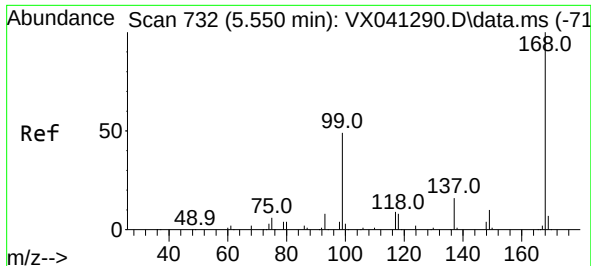
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T11-MW-9-9.0-042324

Quant Time: May 02 03:15:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 02:38:17 2024  
Response via : Initial Calibration

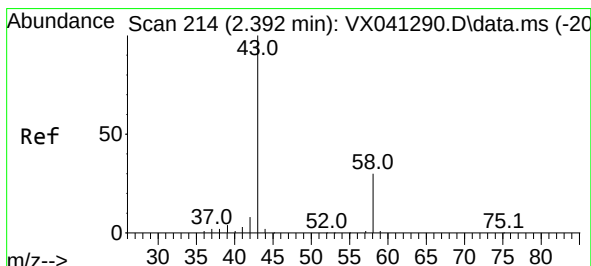
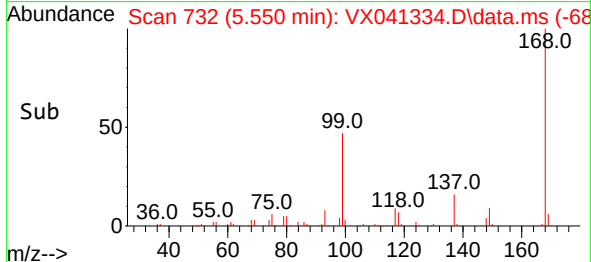
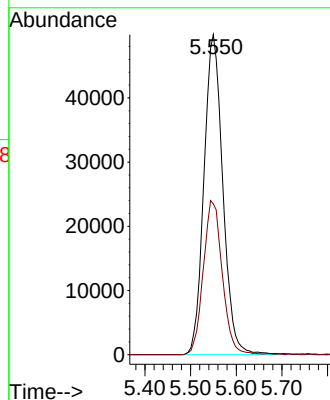
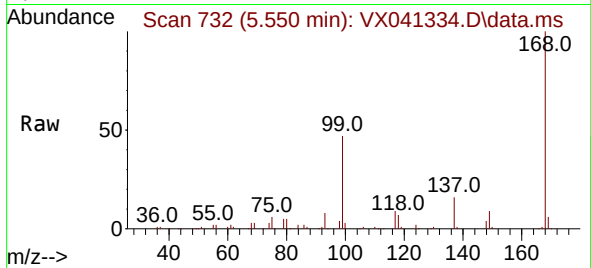




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

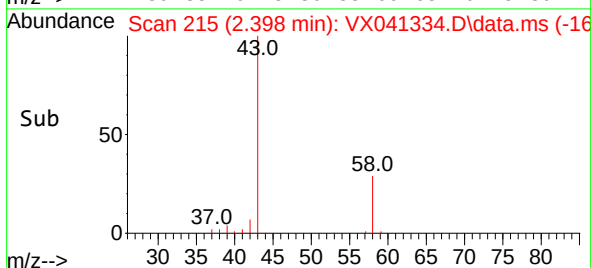
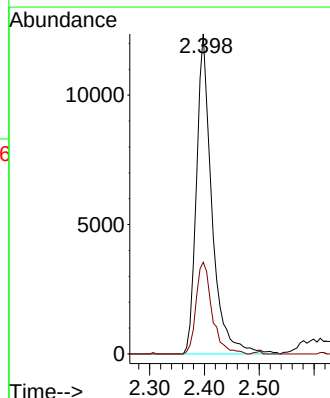
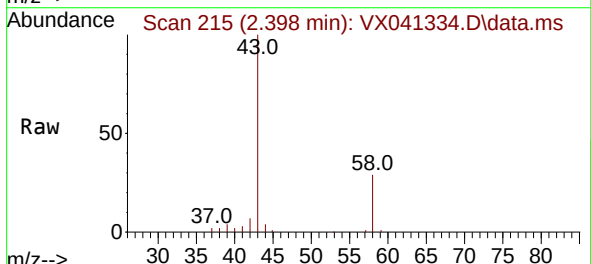
Instrument :  
MSVOA\_X  
ClientSampleId :  
T11-MW-9-9.0-042324

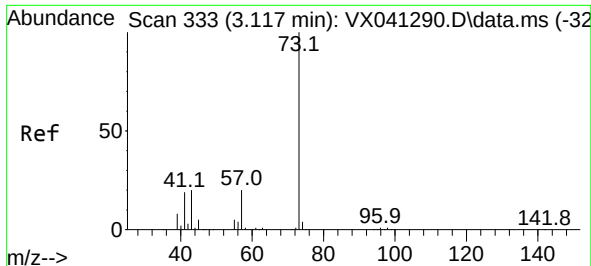
Tgt Ion:168 Resp: 143156  
Ion Ratio Lower Upper  
168 100  
99 47.2 56.6 85.0#



#16  
Acetone  
Concen: 31.851 ug/l  
RT: 2.398 min Scan# 215  
Delta R.T. 0.006 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

Tgt Ion: 43 Resp: 24201  
Ion Ratio Lower Upper  
43 100  
58 28.7 21.9 32.9

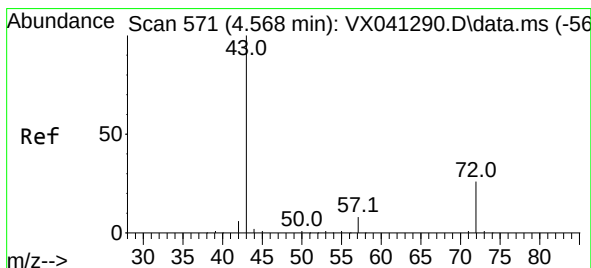
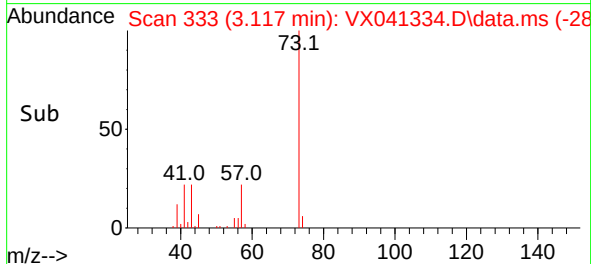
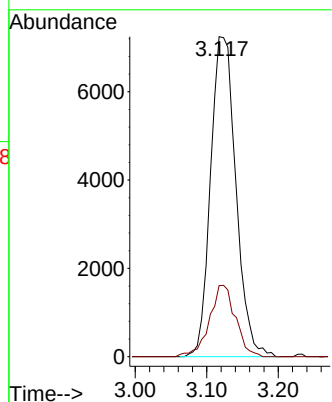
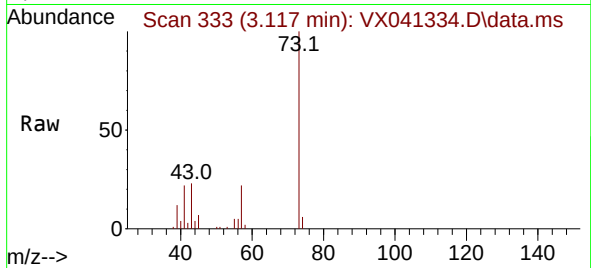




#19  
Methyl tert-butyl Ether  
Concen: 4.411 ug/l  
RT: 3.117 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

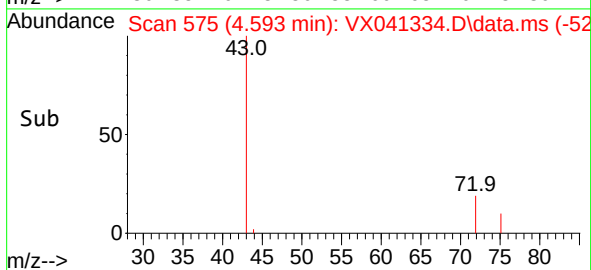
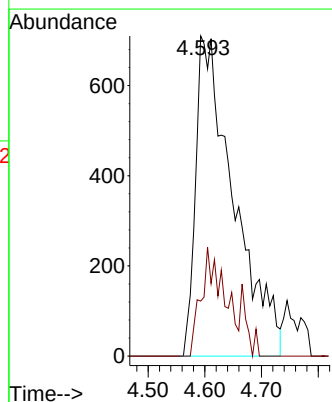
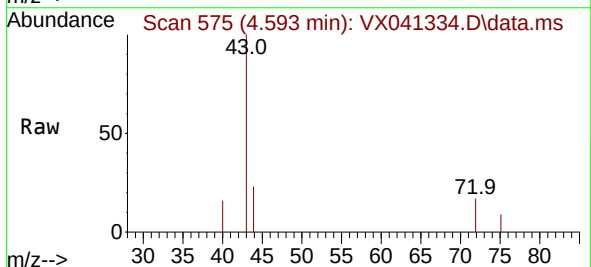
Instrument :  
MSVOA\_X  
ClientSampleId :  
T11-MW-9-9.0-042324

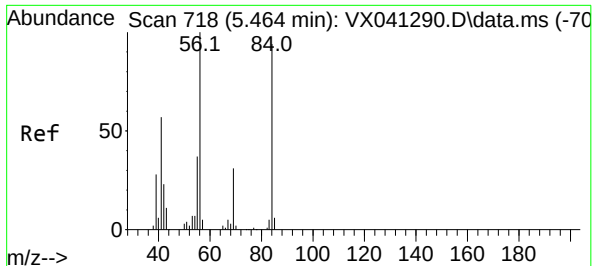
Tgt Ion: 73 Resp: 17840  
Ion Ratio Lower Upper  
73 100  
57 22.2 17.3 25.9



#25  
2-Butanone  
Concen: 3.273 ug/l  
RT: 4.593 min Scan# 575  
Delta R.T. 0.024 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

Tgt Ion: 43 Resp: 3301  
Ion Ratio Lower Upper  
43 100  
72 17.2 19.4 29.2#

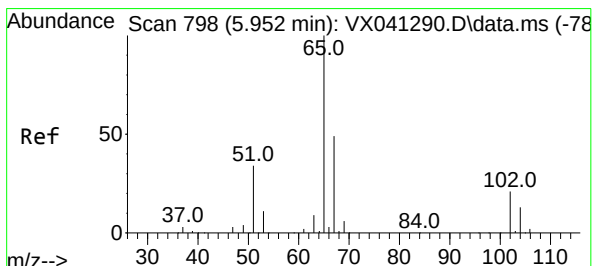
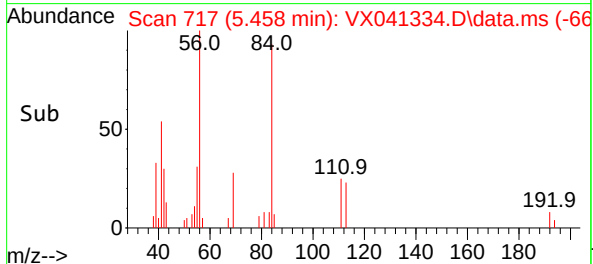
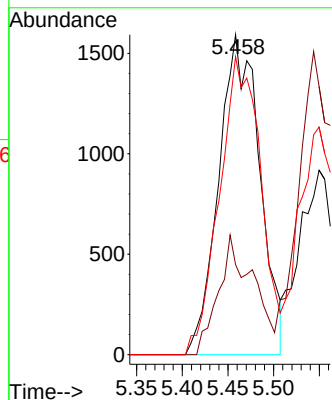
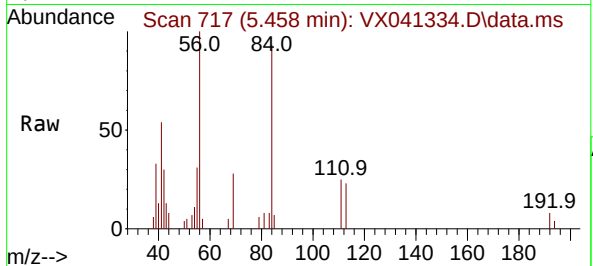




#31  
Cyclohexane  
Concen: 2.638 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.006 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

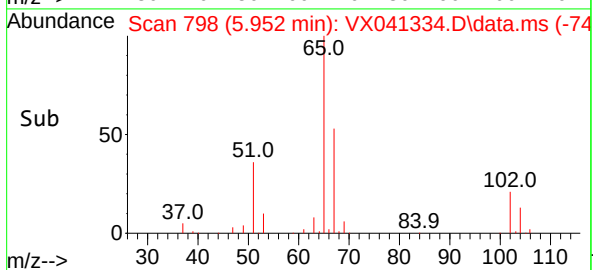
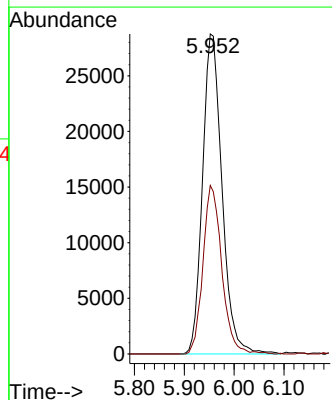
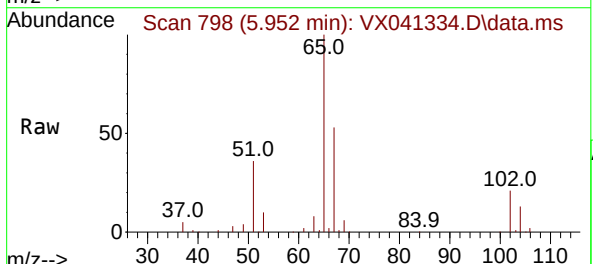
Instrument :  
MSVOA\_X  
ClientSampleId :  
T11-MW-9-9.0-042324

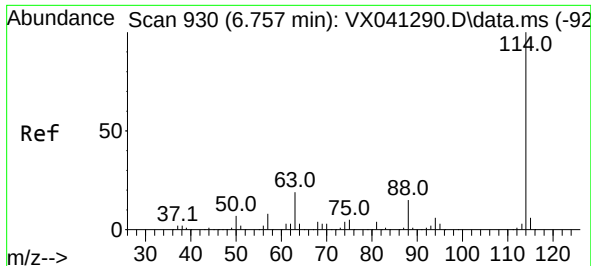
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 4961  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 28.1  | 23.4  | 35.2  |
| 84       | 93.1  | 65.9  | 98.9  |



#33  
1,2-Dichloroethane-d4  
Concen: 50.129 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 78124 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 50.9  | 0.0   | 100.2 |

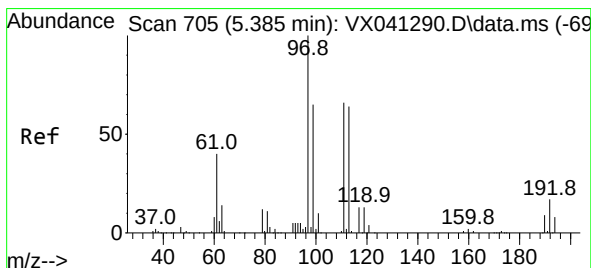
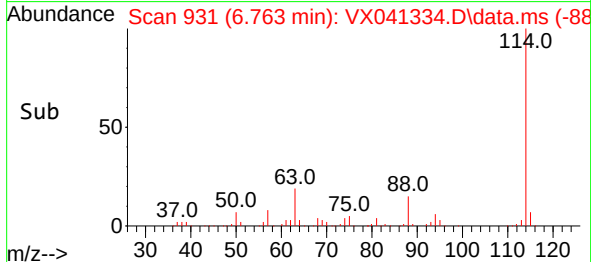
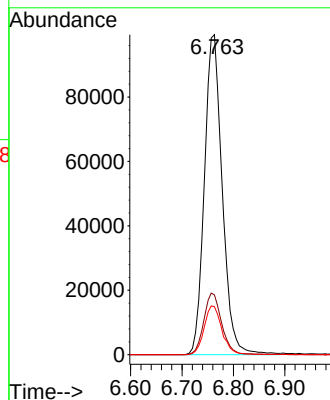
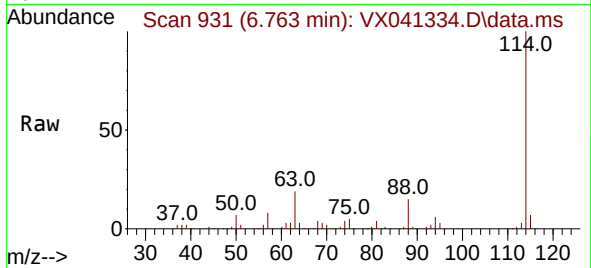




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

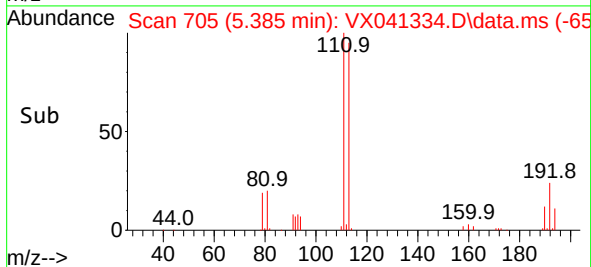
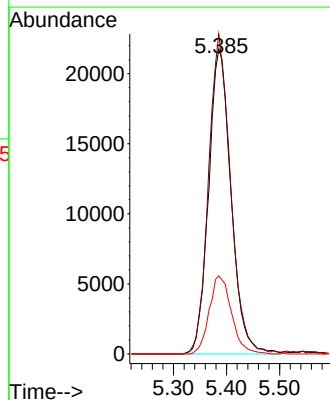
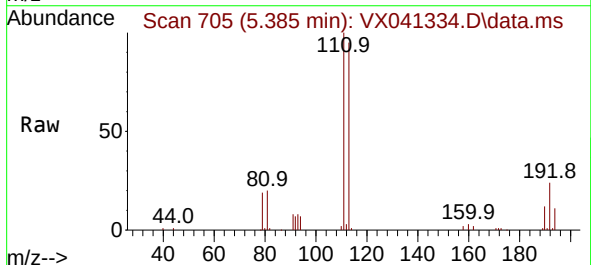
Instrument :  
MSVOA\_X  
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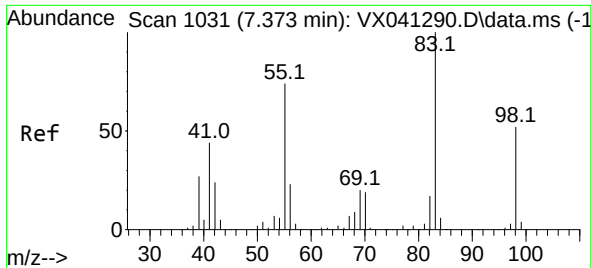
Tgt Ion:114 Resp: 240250  
Ion Ratio Lower Upper  
114 100  
63 18.7 0.0 45.0  
88 15.0 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 39.333 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

Tgt Ion:113 Resp: 64039  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.9 124.3  
192 25.3 13.3 19.9#

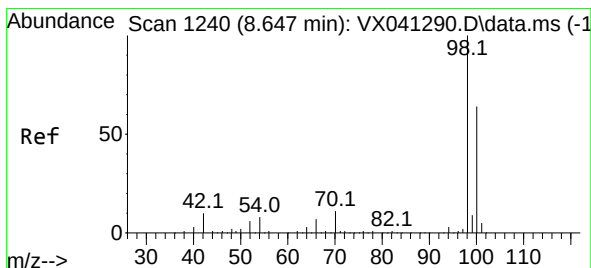
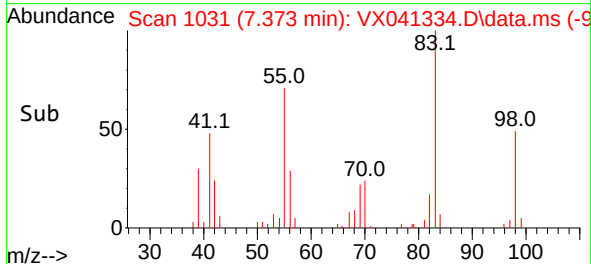
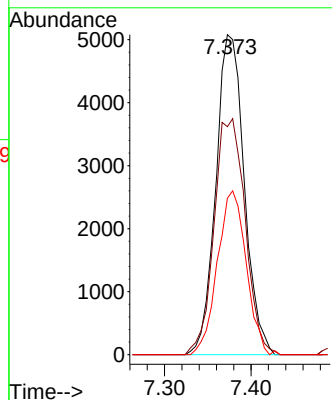
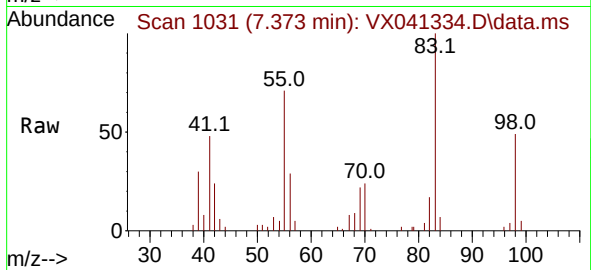




#39  
Methylcyclohexane  
Concen: 5.069 ug/l  
RT: 7.373 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

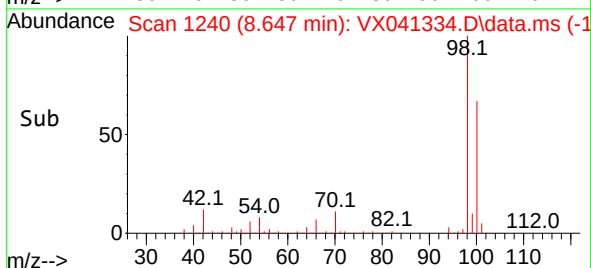
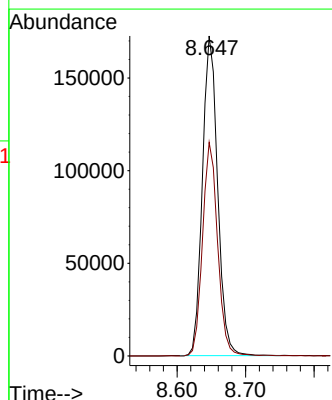
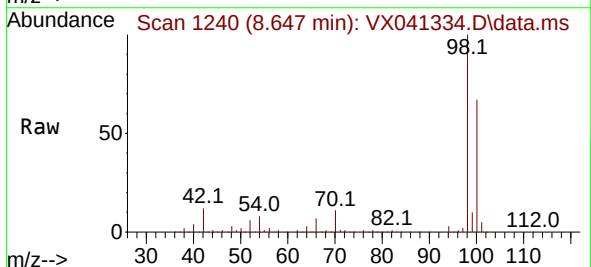
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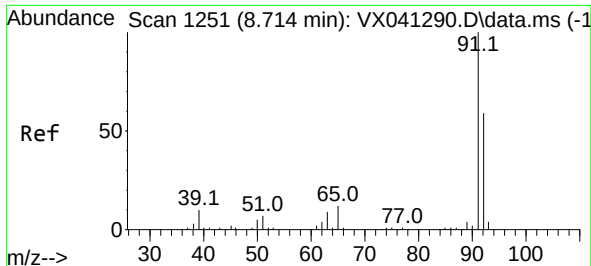
Tgt Ion: 83 Resp: 11593  
Ion Ratio Lower Upper  
83 100  
55 71.3 64.6 97.0  
98 48.9 36.7 55.1



#50  
Toluene-d8  
Concen: 51.817 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

Tgt Ion: 98 Resp: 267017  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.1 79.7

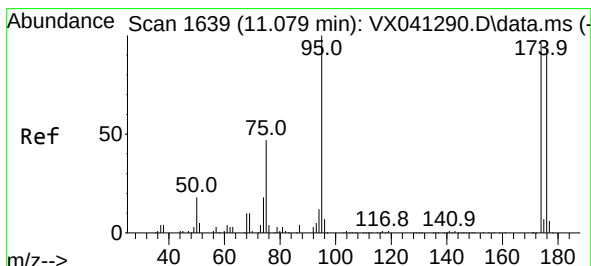
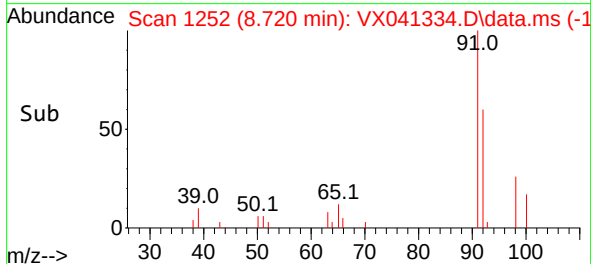
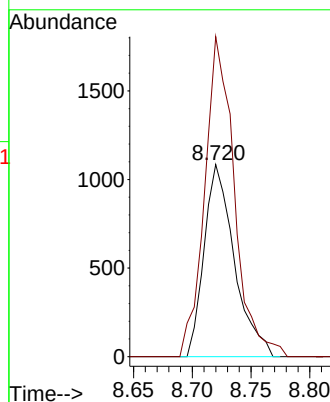
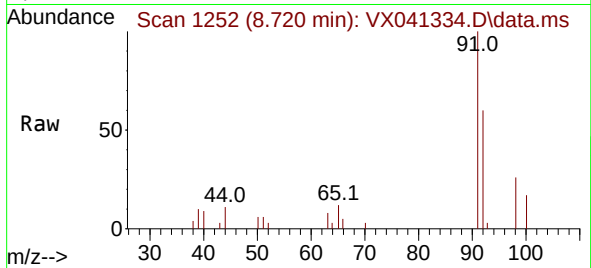




#52  
Toluene  
Concen: 0.528 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

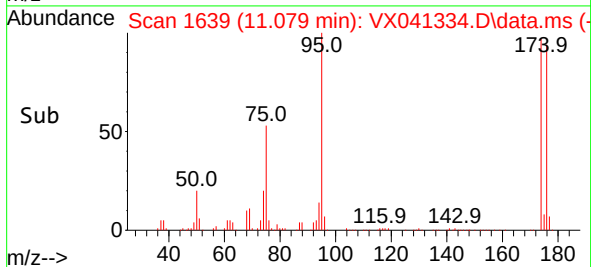
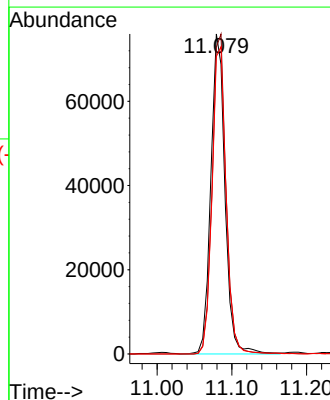
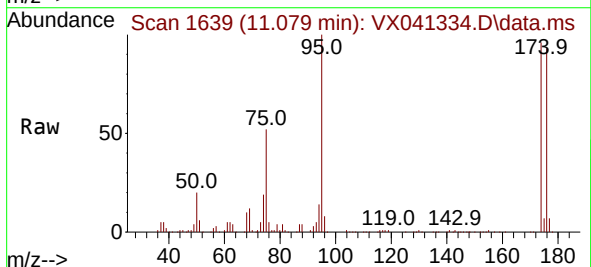
Instrument :  
MSVOA\_X  
ClientSampleId :  
T11-MW-9-9.0-042324

Tgt Ion: 92 Resp: 1938  
Ion Ratio Lower Upper  
92 100  
91 164.0 134.2 201.2

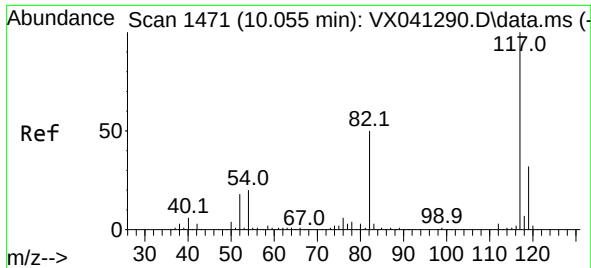


#62  
4-Bromofluorobenzene  
Concen: 50.217 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

Tgt Ion: 95 Resp: 100172  
Ion Ratio Lower Upper  
95 100  
174 98.3 0.0 135.6  
176 95.2 0.0 131.0



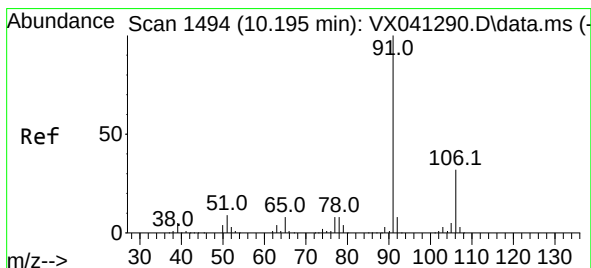
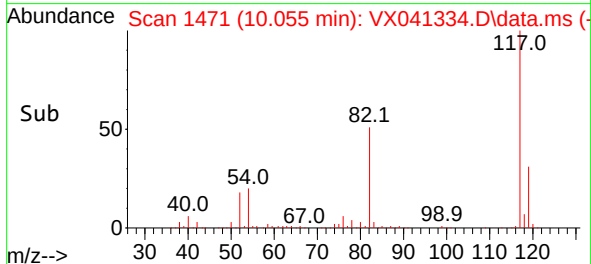
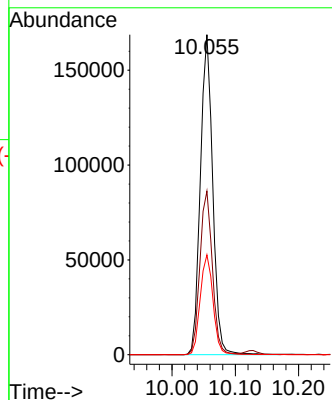
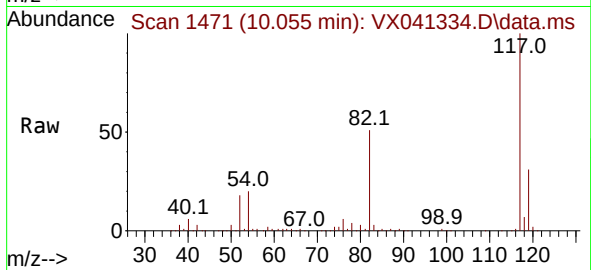




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

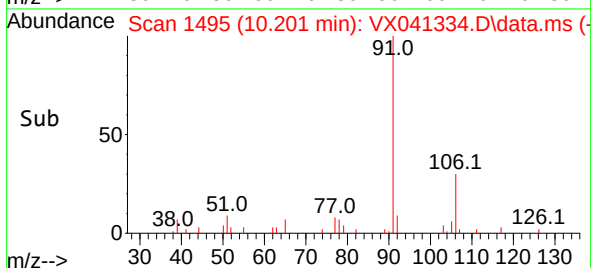
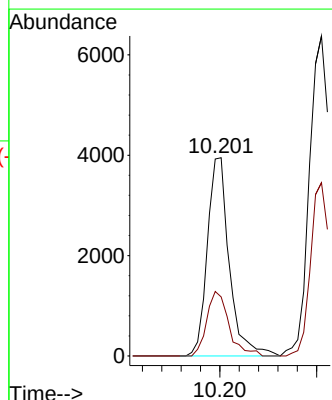
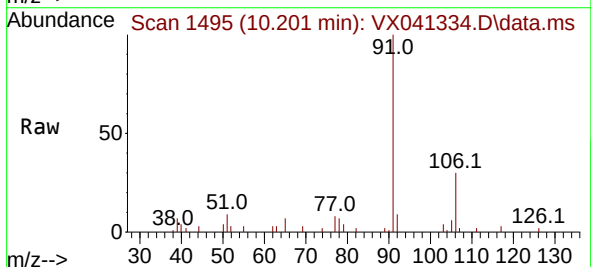
Instrument :  
MSVOA\_X  
ClientSampleId :  
T11-MW-9-9.0-042324

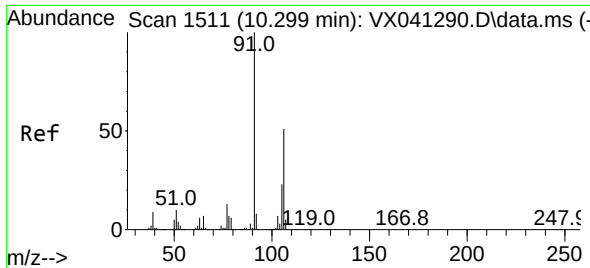
Tgt Ion:117 Resp: 229786  
Ion Ratio Lower Upper  
117 100  
82 51.1 46.2 69.4  
119 31.2 25.5 38.3



#67  
Ethyl Benzene  
Concen: 0.809 ug/l  
RT: 10.201 min Scan# 1495  
Delta R.T. 0.006 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

Tgt Ion: 91 Resp: 6223  
Ion Ratio Lower Upper  
91 100  
106 29.8 24.9 37.3

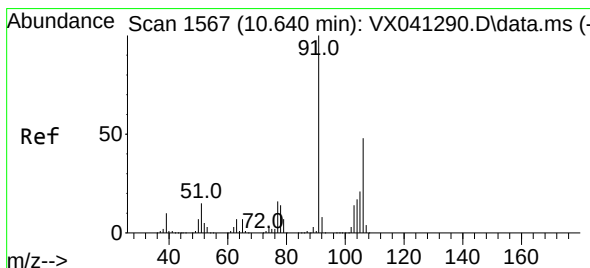
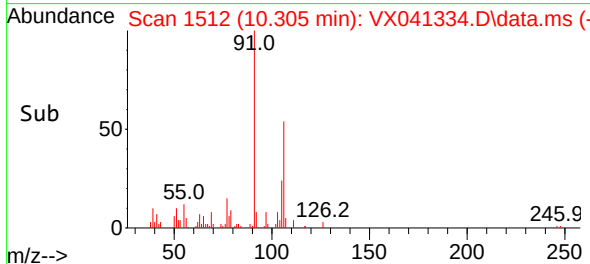
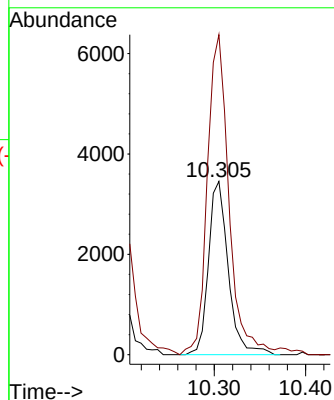
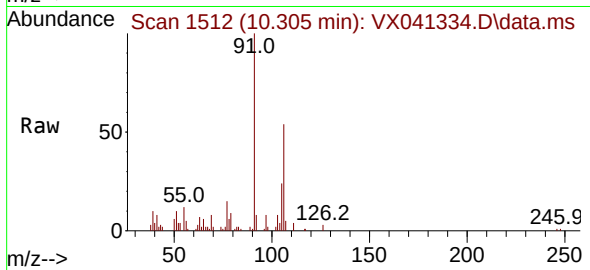




#68  
m/p-Xylenes  
Concen: 1.687 ug/l  
RT: 10.305 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

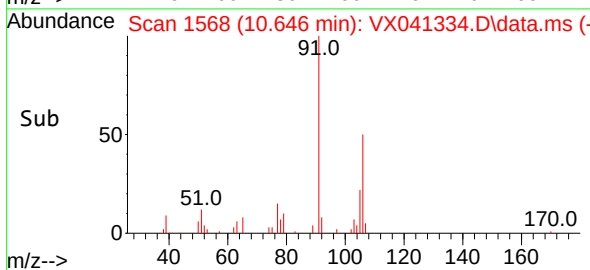
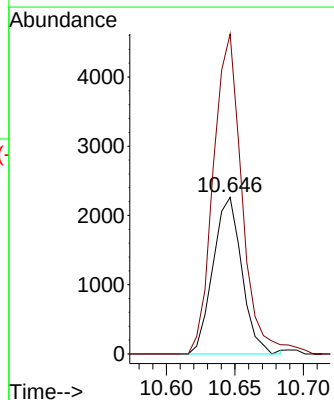
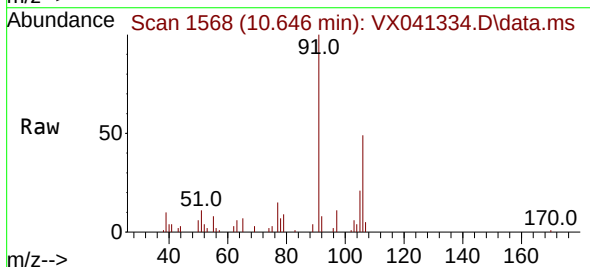
Instrument :  
MSVOA\_X  
ClientSampleId :  
T11-MW-9-9.0-042324

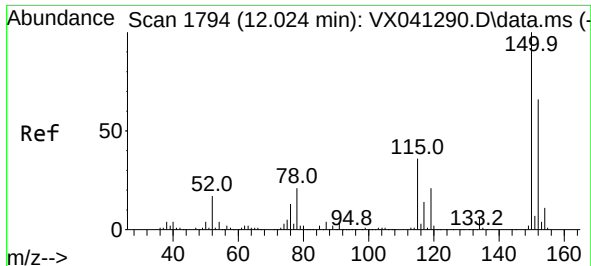
Tgt Ion:106 Resp: 5200  
Ion Ratio Lower Upper  
106 100  
91 200.4 165.5 248.3



#69  
o-Xylene  
Concen: 1.121 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

Tgt Ion:106 Resp: 3307  
Ion Ratio Lower Upper  
106 100  
91 203.9 108.9 326.8

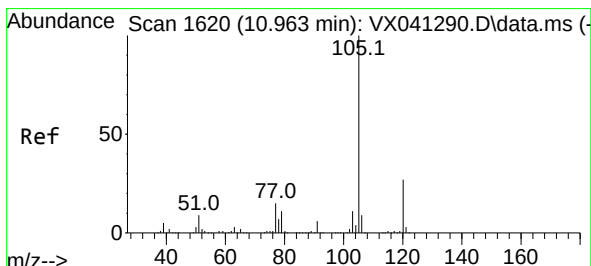
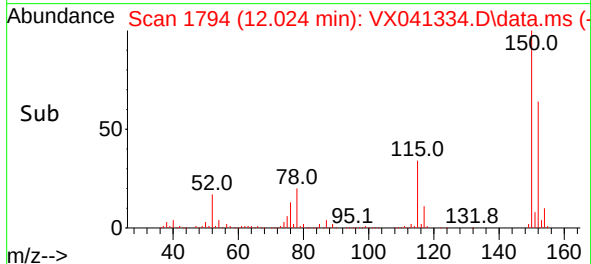
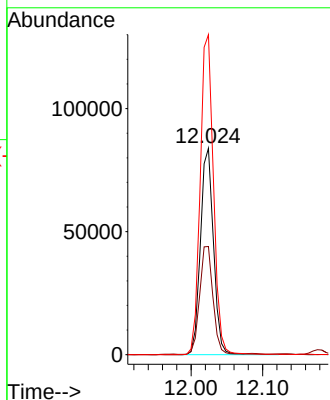
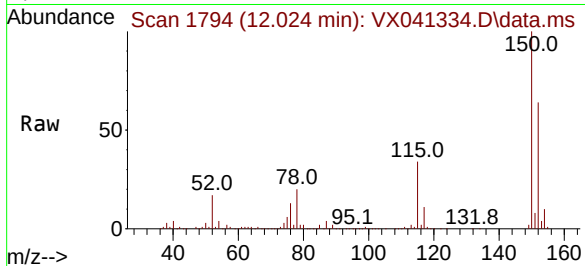




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

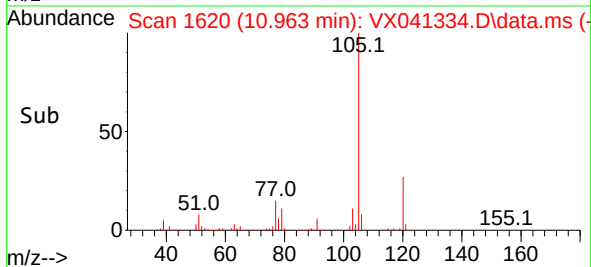
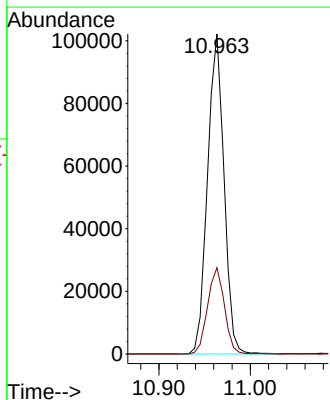
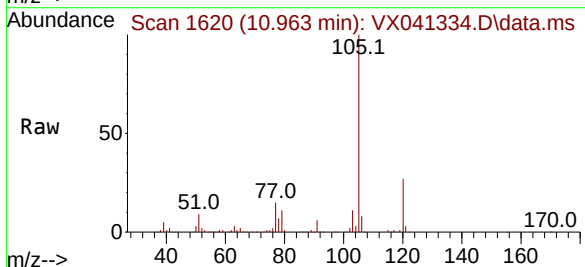
Instrument :  
MSVOA\_X  
ClientSampleId :  
T11-MW-9-9.0-042324

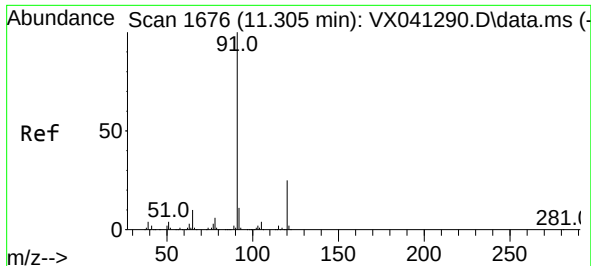
Tgt Ion:152 Resp: 106314  
Ion Ratio Lower Upper  
152 100  
115 53.2 43.3 129.9  
150 157.5 0.0 345.0



#73  
Isopropylbenzene  
Concen: 19.647 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

Tgt Ion:105 Resp: 127502  
Ion Ratio Lower Upper  
105 100  
120 27.5 12.9 38.6

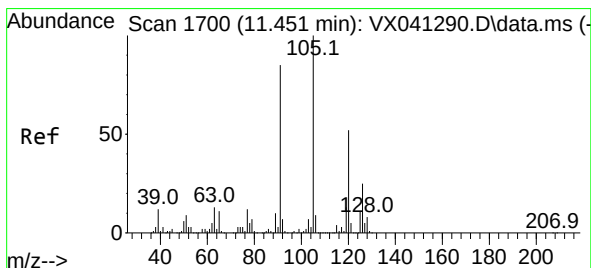
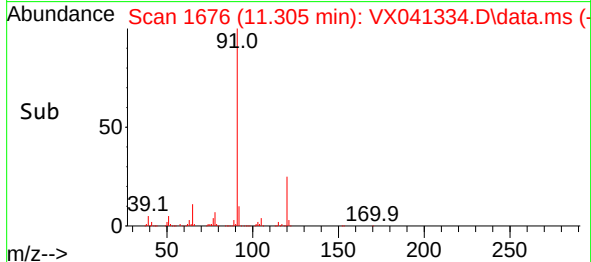
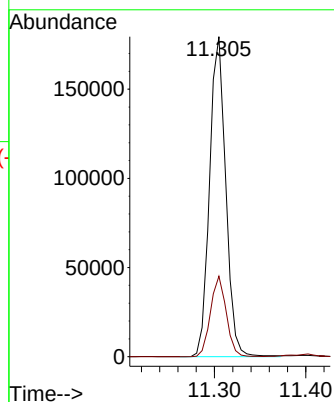
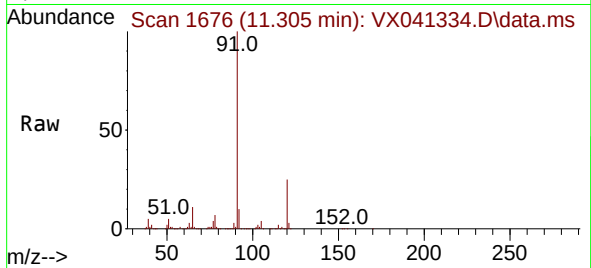




#78  
n-propylbenzene  
Concen: 32.322 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

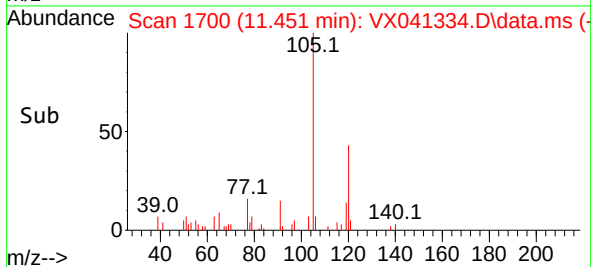
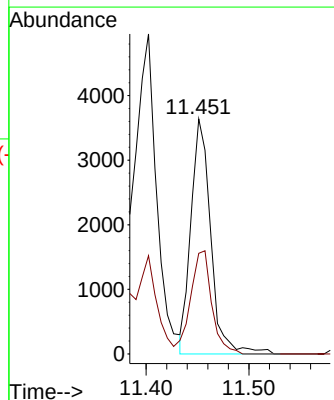
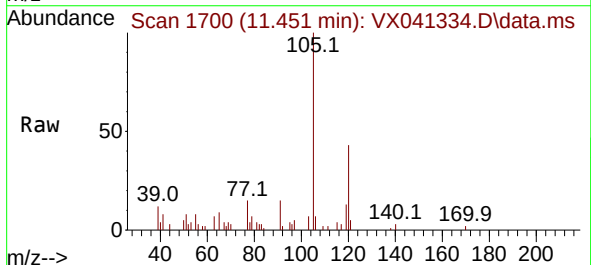
Instrument :  
MSVOA\_X  
ClientSampleId :  
T11-MW-9-9.0-042324

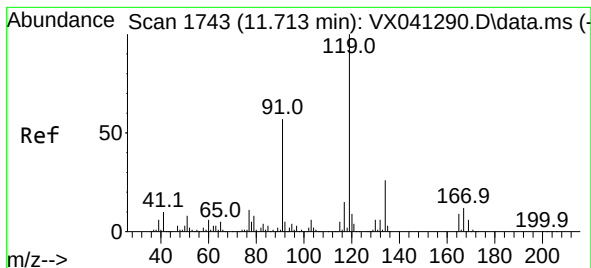
Tgt Ion: 91 Resp: 220304  
Ion Ratio Lower Upper  
91 100  
120 24.5 11.5 34.4



#80  
1,3,5-Trimethylbenzene  
Concen: 0.921 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX041334.D  
Acq: 01 May 2024 18:12

Tgt Ion: 105 Resp: 4875  
Ion Ratio Lower Upper  
105 100  
120 47.2 24.1 72.3





#83

tert-Butylbenzene

Concen: 1.616 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX041334.D

Acq: 01 May 2024 18:12

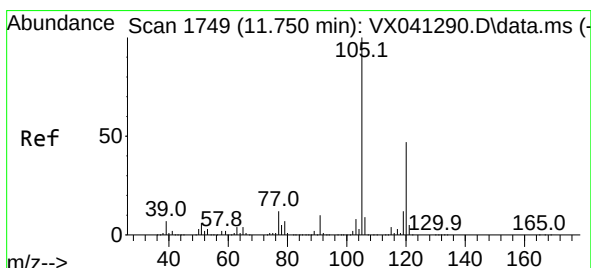
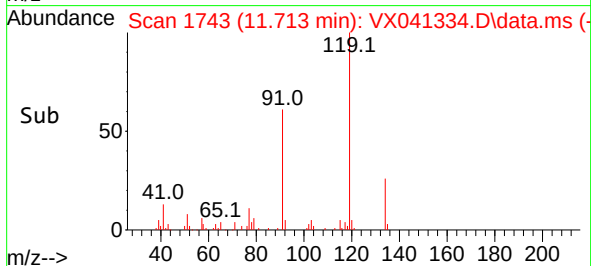
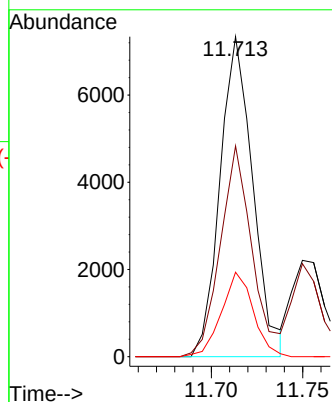
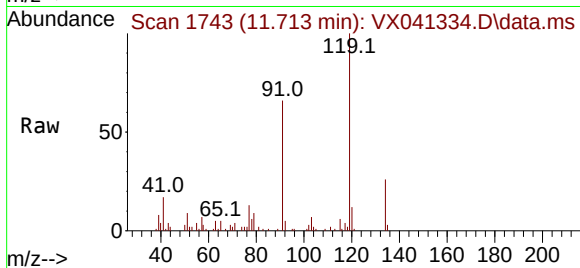
Instrument :

MSVOA\_X

ClientSampleId :

T11-MW-9-9.0-042324

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 9153  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 64.0  | 31.2  | 93.6  |
| 134      | 25.6  | 11.7  | 35.0  |



#84

1,2,4-Trimethylbenzene

Concen: 4.598 ug/l

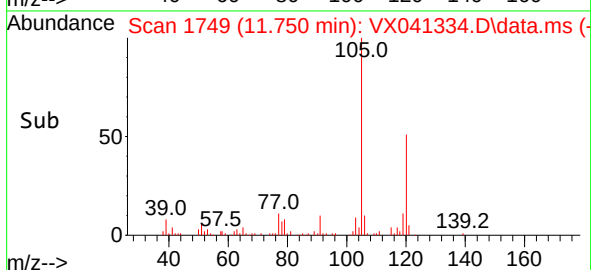
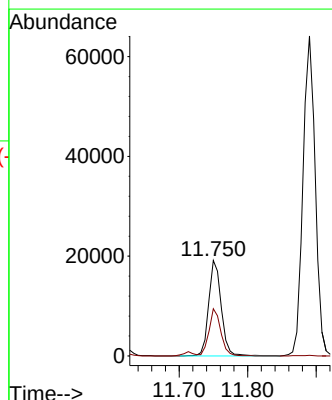
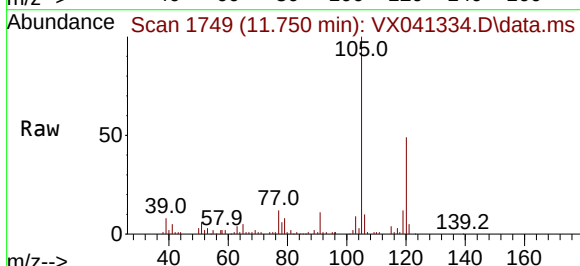
RT: 11.750 min Scan# 1749

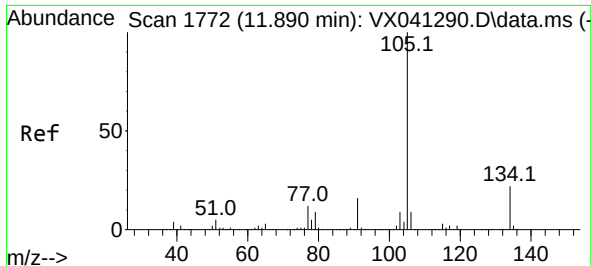
Delta R.T. 0.000 min

Lab File: VX041334.D

Acq: 01 May 2024 18:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 24473 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 46.7  | 21.2  | 63.6  |

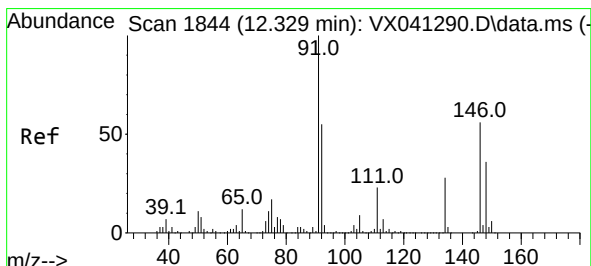
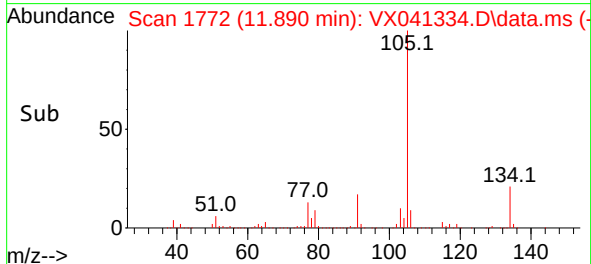
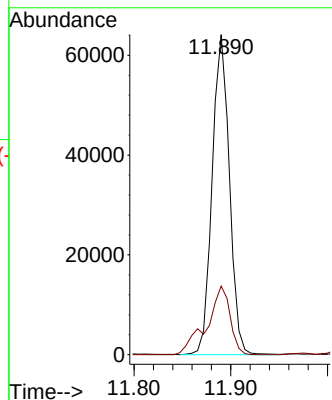
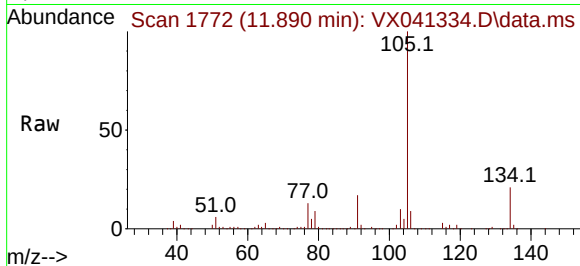




#85  
 sec-Butylbenzene  
 Concen: 12.218 ug/l  
 RT: 11.890 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX041334.D  
 Acq: 01 May 2024 18:12

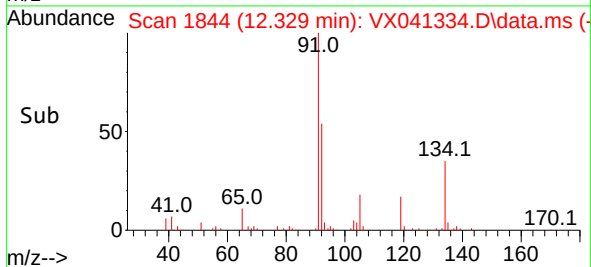
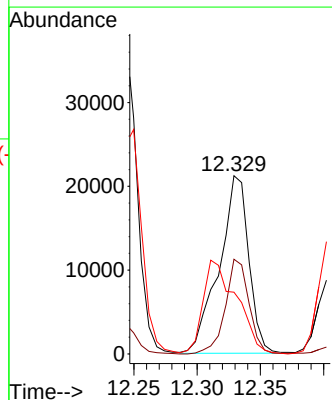
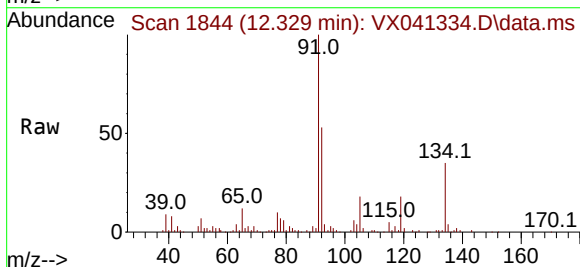
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T11-MW-9-9.0-042324

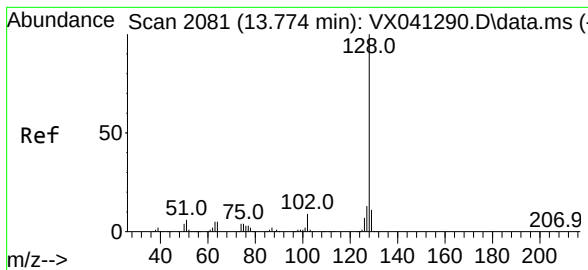
Tgt Ion:105 Resp: 79325  
 Ion Ratio Lower Upper  
 105 100  
 134 29.0 9.8 29.4



#89  
 n-Butylbenzene  
 Concen: 7.376 ug/l  
 RT: 12.329 min Scan# 1844  
 Delta R.T. 0.000 min  
 Lab File: VX041334.D  
 Acq: 01 May 2024 18:12

Tgt Ion: 91 Resp: 34583  
 Ion Ratio Lower Upper  
 91 100  
 92 42.6 27.4 82.0  
 134 59.9 12.6 37.8#





#95  
 Naphthalene  
 Concen: 102.289 ug/l  
 RT: 13.774 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VX041334.D  
 Acq: 01 May 2024 18:12

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T11-MW-9-9.0-042324

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 745082 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.3  | 10.3  | 15.5   |
| 129      | 11.7  | 8.8   | 13.2   |

