

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX093023\  
 Data File : VX038006.D  
 Acq On : 30 Sep 2023 16:03  
 Operator : JC/MD  
 Sample : 04647-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S-3

Quant Time: Oct 02 02:13:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:55:44 2023  
 Response via : Initial Calibration

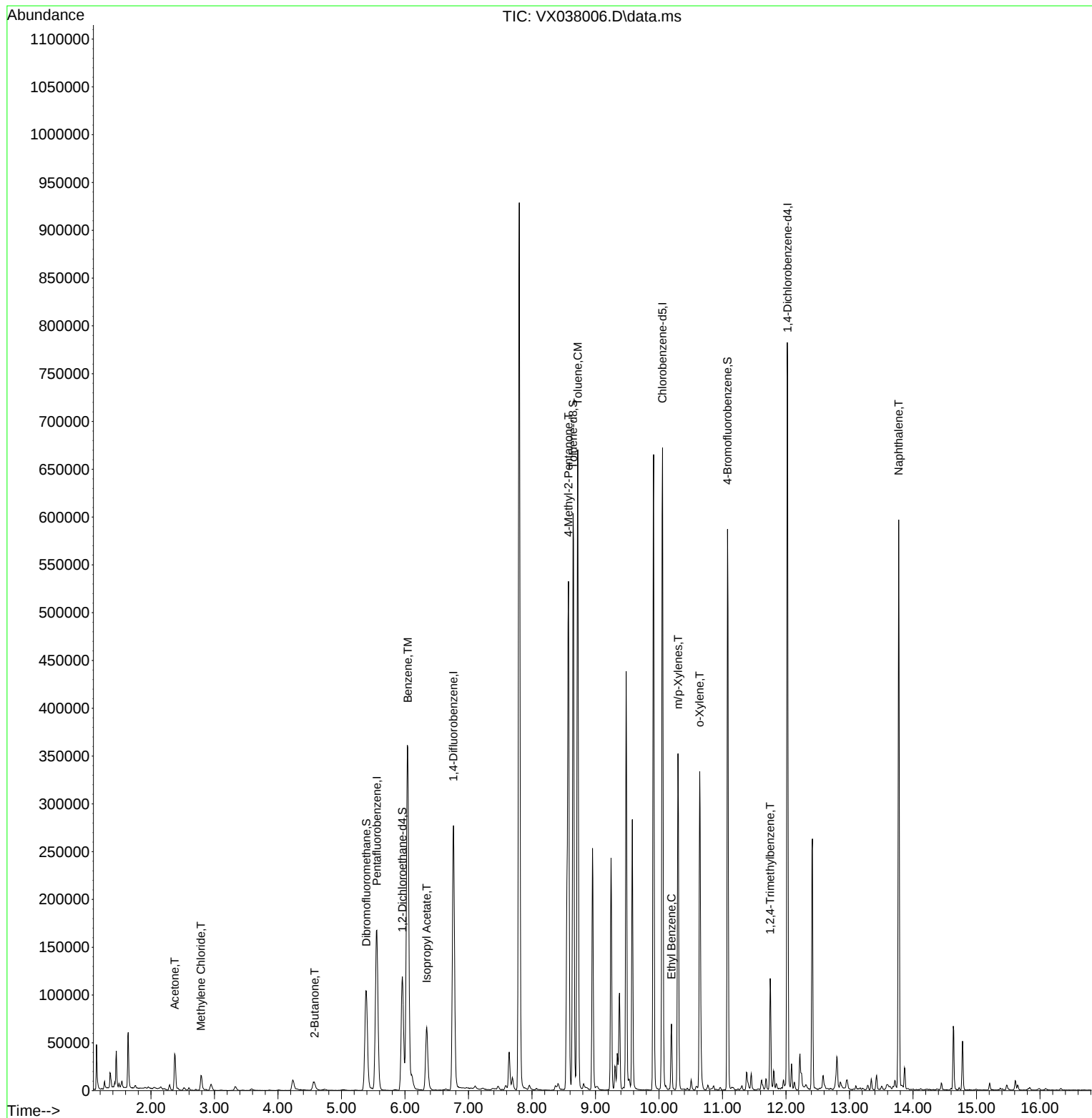
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 155105   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 275255   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 288243   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 153366   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 114393   | 56.134   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 112.260% |          |
| 35) Dibromofluoromethane    | 5.391  | 113   | 90023    | 48.879   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 97.760%  |          |
| 50) Toluene-d8              | 8.647  | 98    | 356371   | 52.076   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 104.160% |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 142122   | 57.153   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 114.300% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 2.374  | 43    | 40940    | 41.762   | ug/l       | 92       |
| 20) Methylene Chloride      | 2.788  | 84    | 7632     | 4.188    | ug/l       | 95       |
| 25) 2-Butanone              | 4.574  | 43    | 9268     | 6.699    | ug/l #     | 83       |
| 40) Benzene                 | 6.044  | 78    | 436122   | 55.899   | ug/l       | 99       |
| 43) Isopropyl Acetate       | 6.342  | 43    | 87953    | 19.721   | ug/l       | 98       |
| 51) 4-Methyl-2-Pentanone    | 8.574  | 43    | 353491   | 124.925  | ug/l       | 93       |
| 52) Toluene                 | 8.720  | 92    | 237487   | 47.231   | ug/l       | 93       |
| 67) Ethyl Benzene           | 10.195 | 91    | 39215    | 3.638    | ug/l       | 99       |
| 68) m/p-Xylenes             | 10.299 | 106   | 75905    | 18.223   | ug/l       | 97       |
| 69) o-Xylene                | 10.640 | 106   | 55830    | 13.366   | ug/l       | 95       |
| 84) 1,2,4-Trimethylbenzene  | 11.750 | 105   | 39962    | 4.227    | ug/l       | 71       |
| 95) Naphthalene             | 13.774 | 128   | 346436   | 32.809   | ug/l       | 99       |
| -----                       |        |       |          |          |            |          |

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

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ClientSampleId :  
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Quant Time: Oct 02 02:13:21 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:55:44 2023  
Response via : Initial Calibration

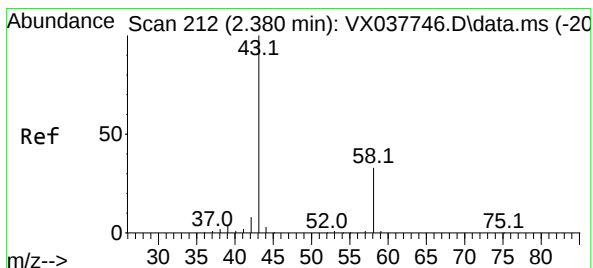
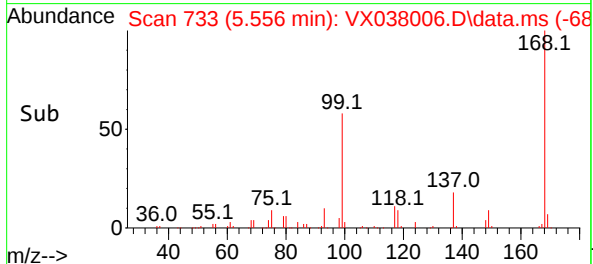
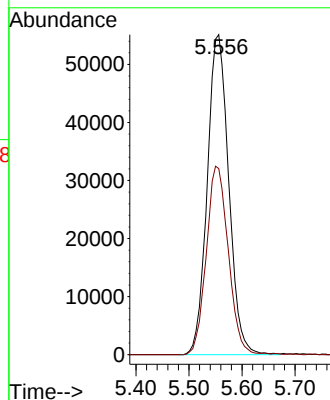
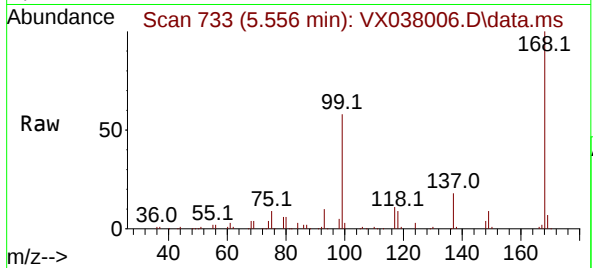




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX038006.D  
Acq: 30 Sep 2023 16:03

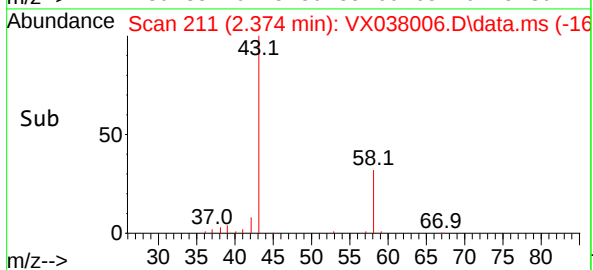
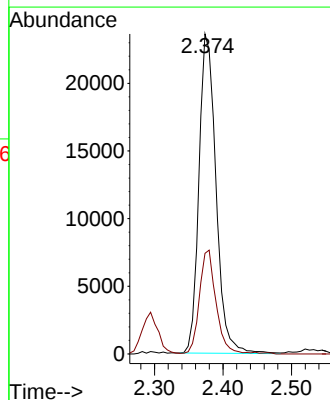
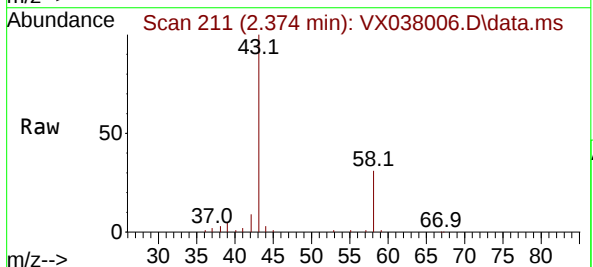
Instrument :  
MSVOA\_X  
ClientSampleId :  
S-3

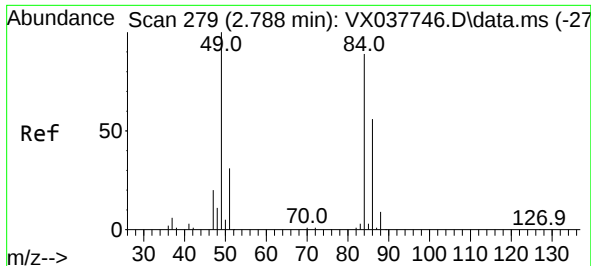
Tgt Ion:168 Resp: 155105  
Ion Ratio Lower Upper  
168 100  
99 58.1 56.6 85.0



#16  
Acetone  
Concen: 41.762 ug/l  
RT: 2.374 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX038006.D  
Acq: 30 Sep 2023 16:03

Tgt Ion: 43 Resp: 40940  
Ion Ratio Lower Upper  
43 100  
58 31.5 21.9 32.9





#20

Methylene Chloride

Concen: 4.188 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX038006.D

Acq: 30 Sep 2023 16:03

Instrument :

MSVOA\_X

ClientSampleId :

S-3

Tgt Ion: 84 Resp: 7632

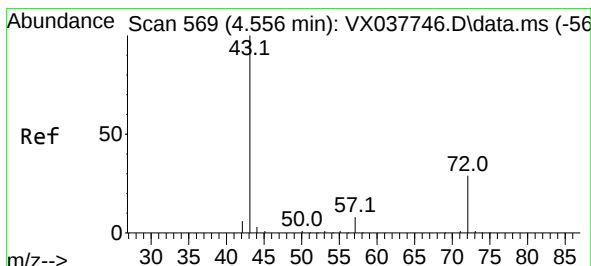
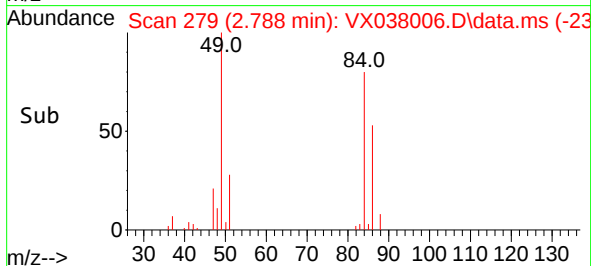
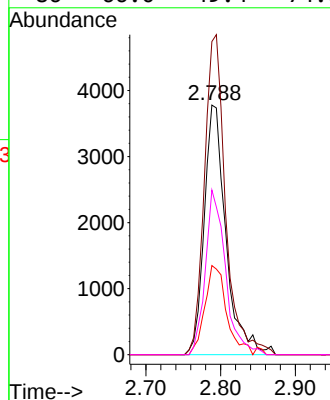
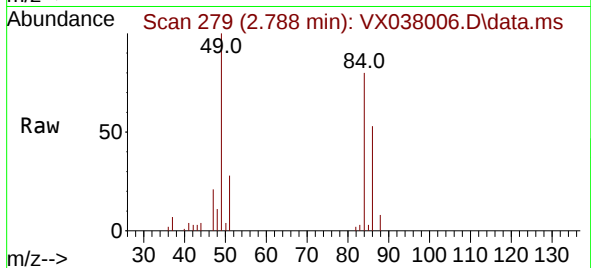
Ion Ratio Lower Upper

84 100

49 125.4 103.6 155.4

51 35.7 33.8 50.6

86 66.0 49.4 74.0



#25

2-Butanone

Concen: 6.699 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX038006.D

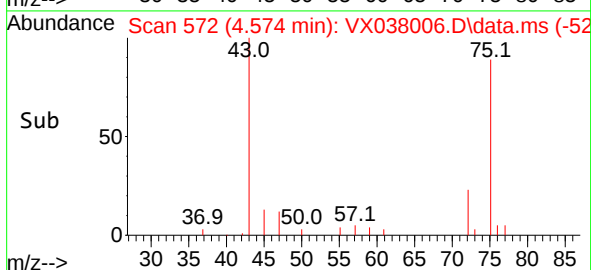
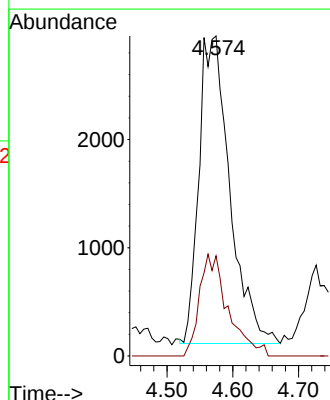
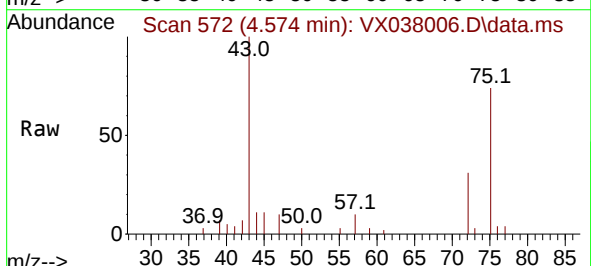
Acq: 30 Sep 2023 16:03

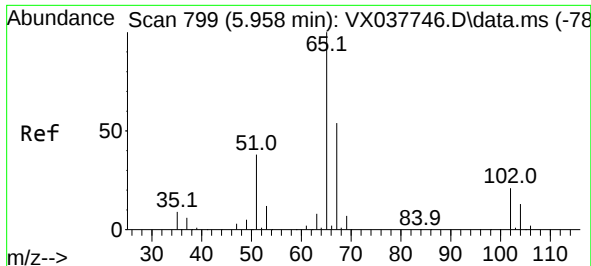
Tgt Ion: 43 Resp: 9268

Ion Ratio Lower Upper

43 100

72 32.6 19.4 29.2#





#33

1,2-Dichloroethane-d4

Concen: 56.134 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038006.D

Acq: 30 Sep 2023 16:03

Instrument :

MSVOA\_X

ClientSampleId :

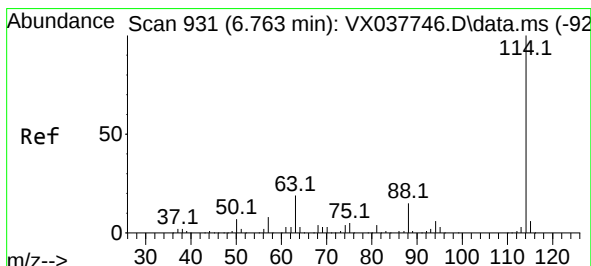
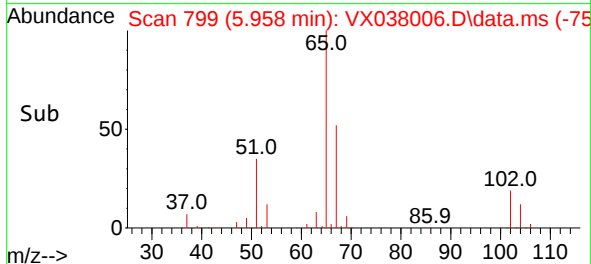
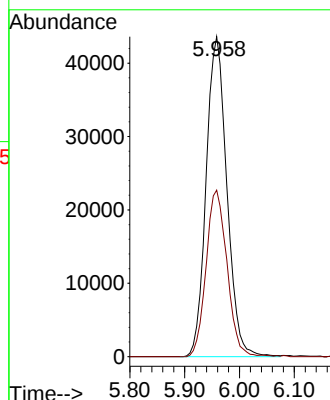
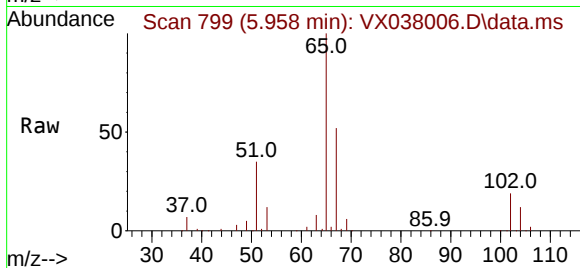
S-3

Tgt Ion: 65 Resp: 114393

Ion Ratio Lower Upper

65 100

67 52.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX038006.D

Acq: 30 Sep 2023 16:03

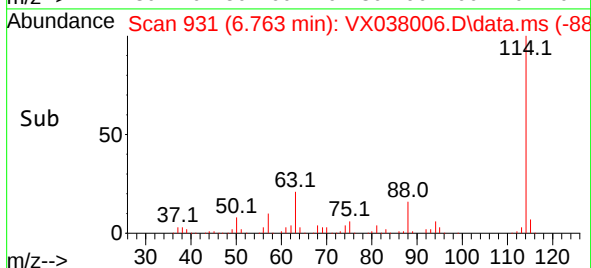
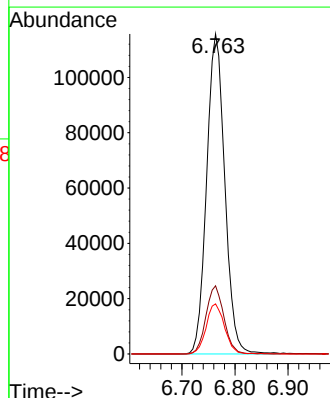
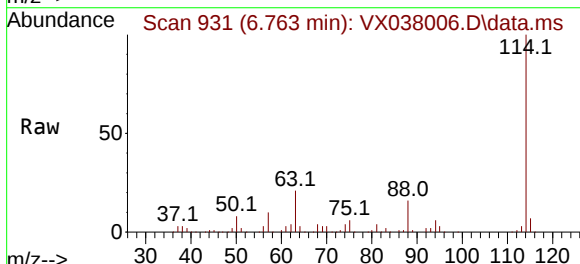
Tgt Ion: 114 Resp: 275255

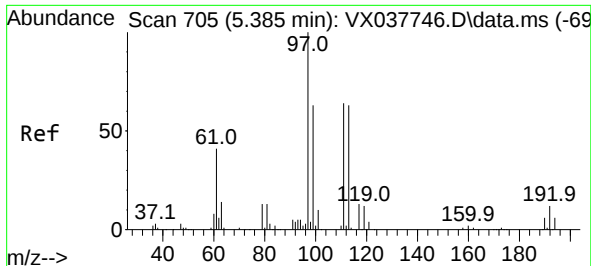
Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.0

88 15.7 0.0 36.6

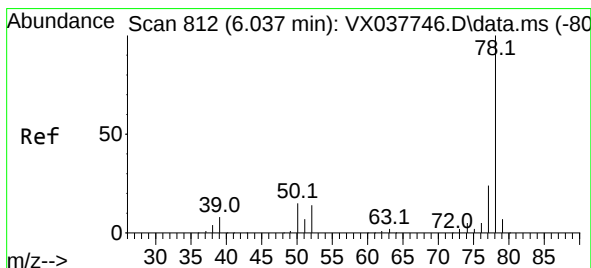
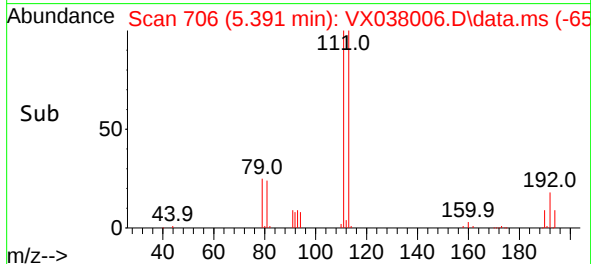
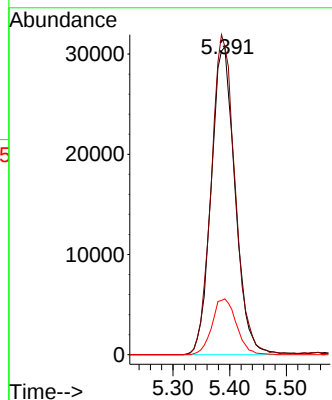
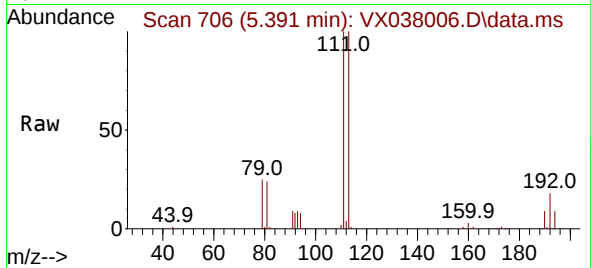




#35  
Dibromofluoromethane  
Concen: 48.879 ug/l  
RT: 5.391 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VX038006.D  
Acq: 30 Sep 2023 16:03

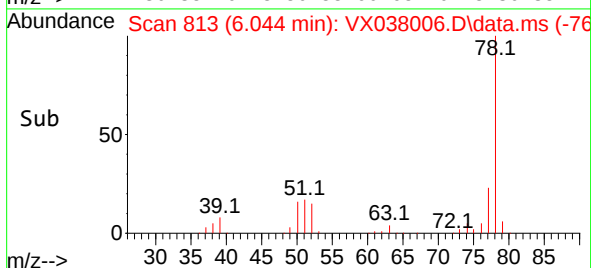
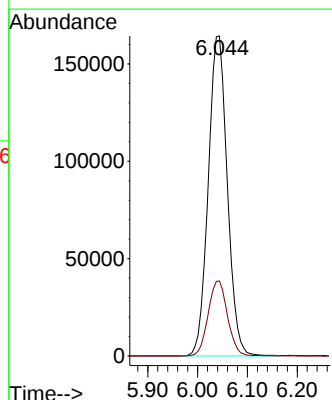
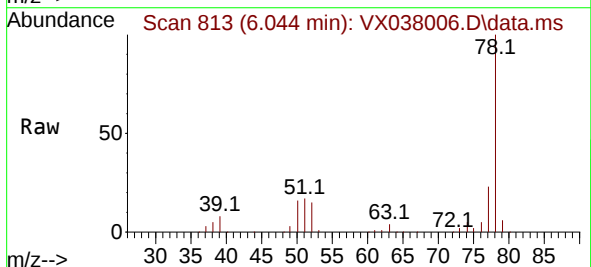
Instrument :  
MSVOA\_X  
ClientSampleId :  
S-3

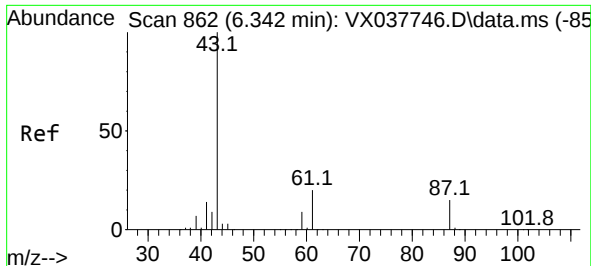
Tgt Ion:113 Resp: 90023  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.9 124.3  
192 18.4 13.3 19.9



#40  
Benzene  
Concen: 55.899 ug/l  
RT: 6.044 min Scan# 813  
Delta R.T. 0.000 min  
Lab File: VX038006.D  
Acq: 30 Sep 2023 16:03

Tgt Ion: 78 Resp: 436122  
Ion Ratio Lower Upper  
78 100  
77 23.4 19.3 28.9





#43

Isopropyl Acetate

Concen: 19.721 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX038006.D

Acq: 30 Sep 2023 16:03

Instrument :

MSVOA\_X

ClientSampleId :

S-3

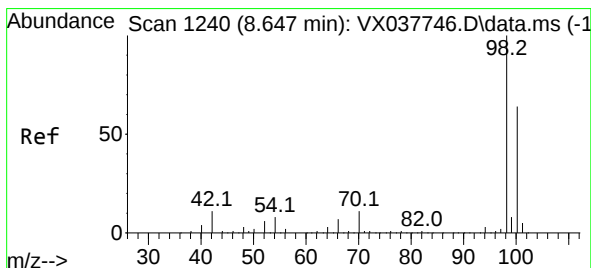
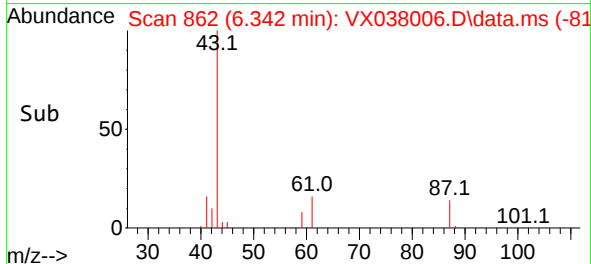
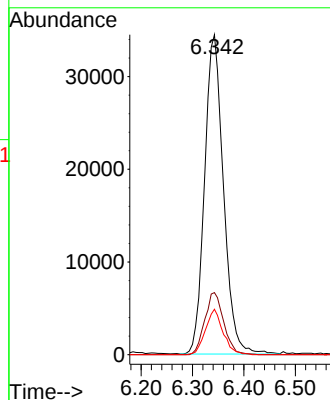
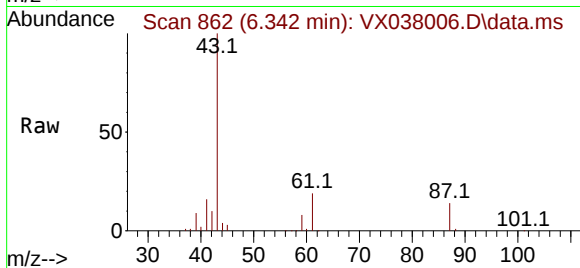
Tgt Ion: 43 Resp: 87953

Ion Ratio Lower Upper

43 100

61 19.5 15.2 22.8

87 13.2 9.8 14.6



#50

Toluene-d8

Concen: 52.076 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX038006.D

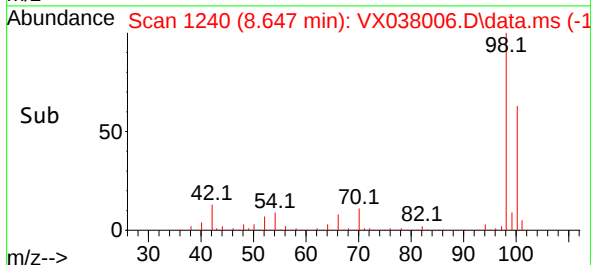
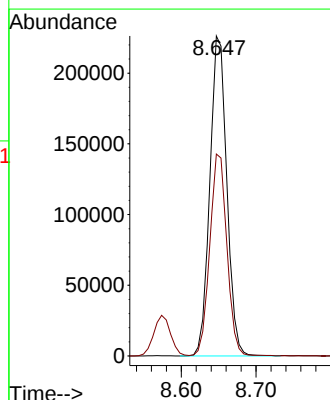
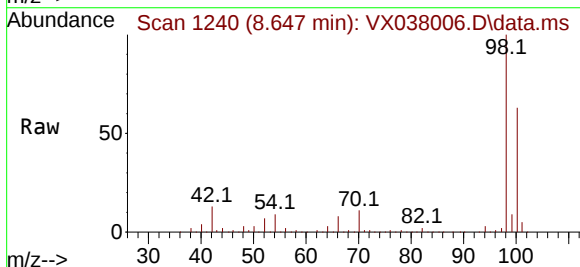
Acq: 30 Sep 2023 16:03

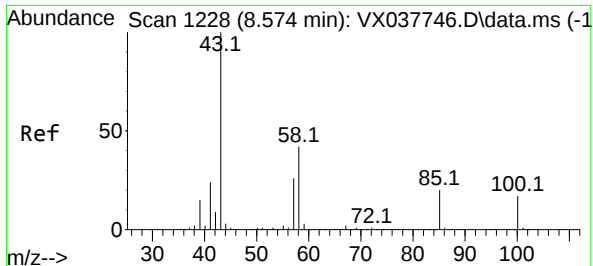
Tgt Ion: 98 Resp: 356371

Ion Ratio Lower Upper

98 100

100 64.0 53.1 79.7

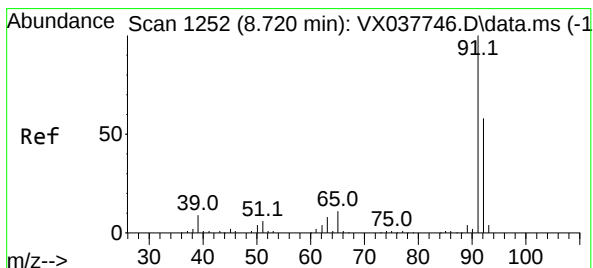
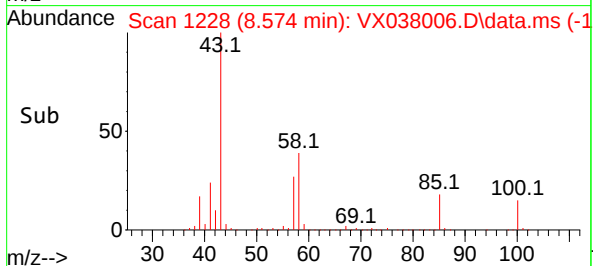
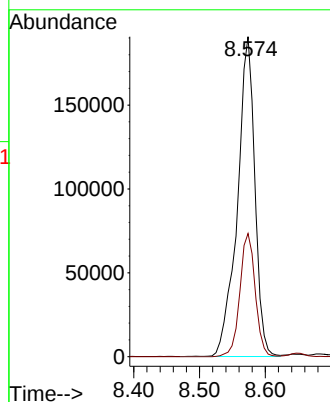
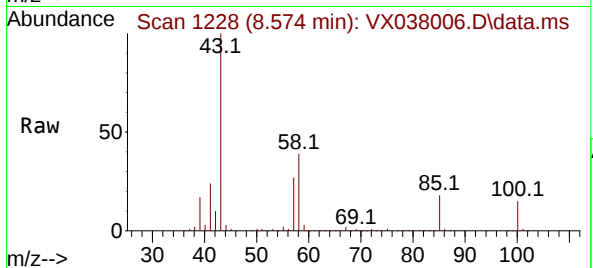




#51  
4-Methyl-2-Pentanone  
Concen: 124.925 ug/l  
RT: 8.574 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038006.D  
Acq: 30 Sep 2023 16:03

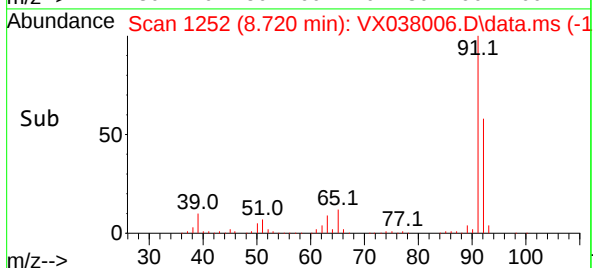
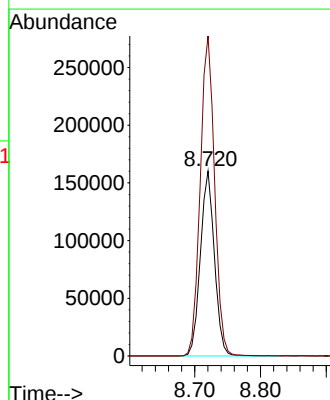
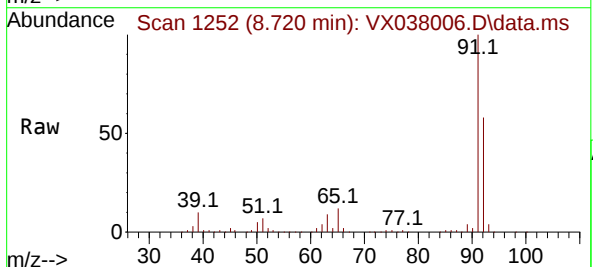
Instrument :  
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ClientSampleId :  
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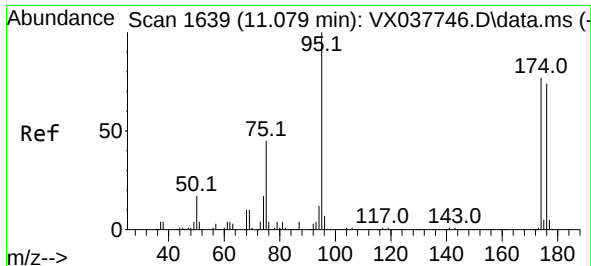
Tgt Ion: 43 Resp: 353491  
Ion Ratio Lower Upper  
43 100  
58 33.8 30.4 45.6



#52  
Toluene  
Concen: 47.231 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX038006.D  
Acq: 30 Sep 2023 16:03

Tgt Ion: 92 Resp: 237487  
Ion Ratio Lower Upper  
92 100  
91 177.4 134.2 201.2

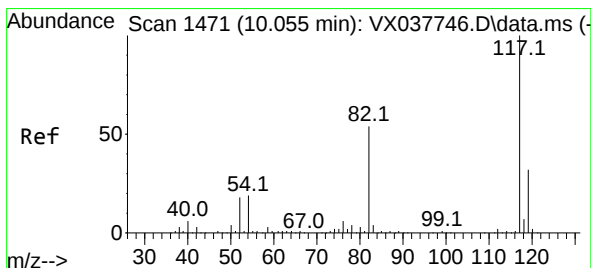
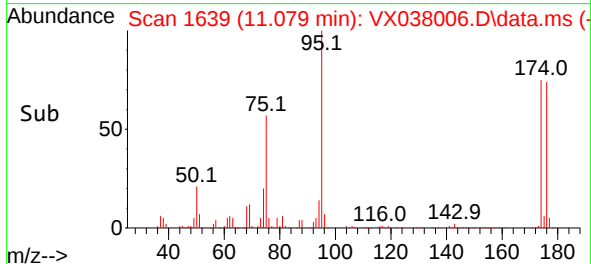
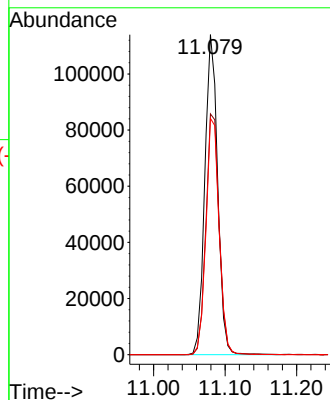
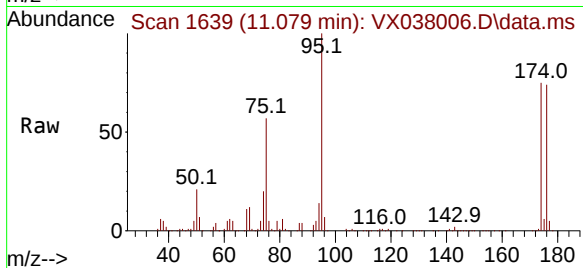




#62  
4-Bromofluorobenzene  
Concen: 57.153 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038006.D  
Acq: 30 Sep 2023 16:03

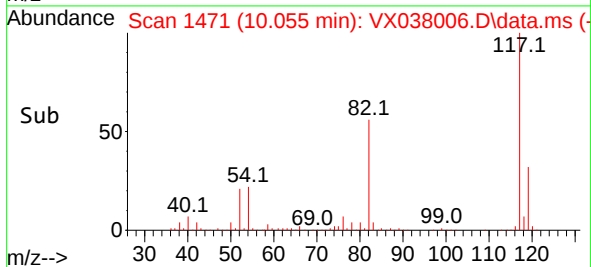
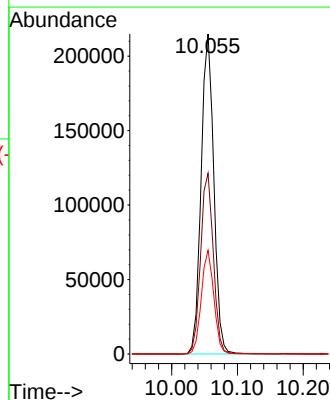
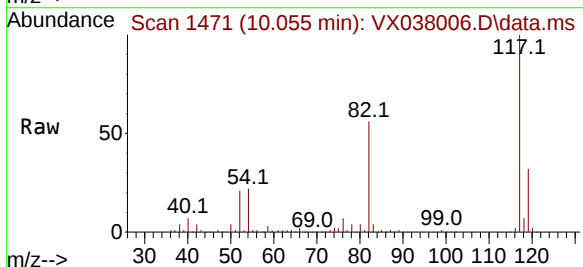
Instrument :  
MSVOA\_X  
ClientSampleId :  
S-3

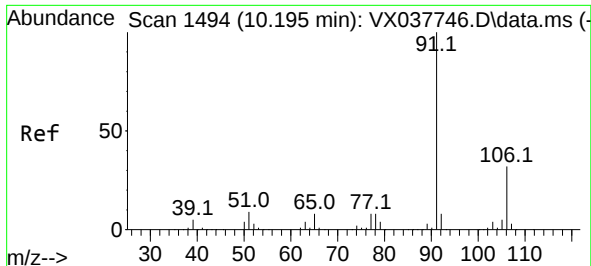
Tgt Ion: 95 Resp: 142122  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 135.6  
176 76.2 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038006.D  
Acq: 30 Sep 2023 16:03

Tgt Ion: 117 Resp: 288243  
Ion Ratio Lower Upper  
117 100  
82 56.5 46.2 69.4  
119 32.4 25.5 38.3





#67

Ethyl Benzene

Concen: 3.638 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX038006.D

Acq: 30 Sep 2023 16:03

Instrument :

MSVOA\_X

ClientSampleId :

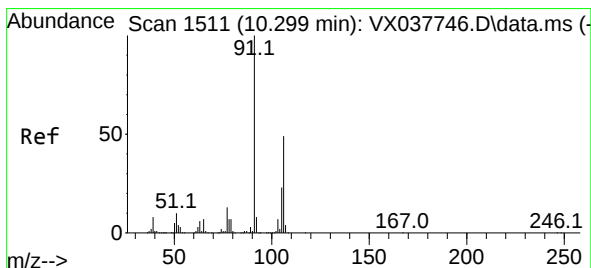
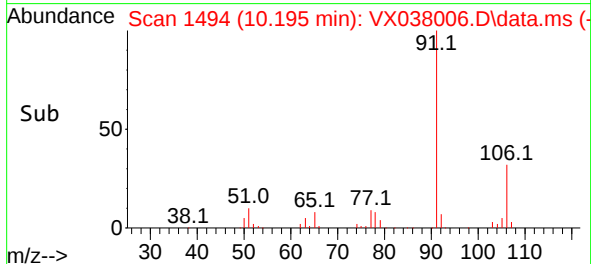
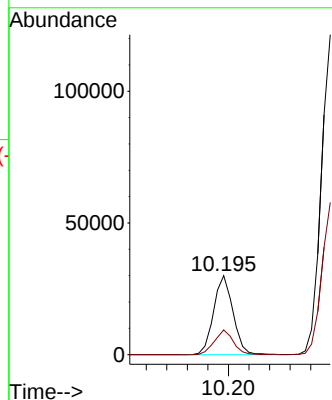
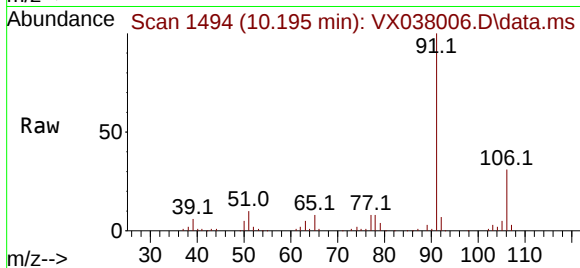
S-3

Tgt Ion: 91 Resp: 39215

Ion Ratio Lower Upper

91 100

106 31.4 24.9 37.3



#68

m/p-Xylenes

Concen: 18.223 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX038006.D

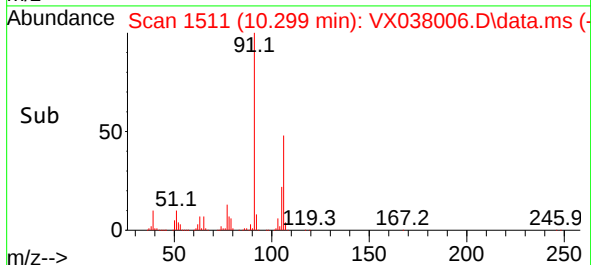
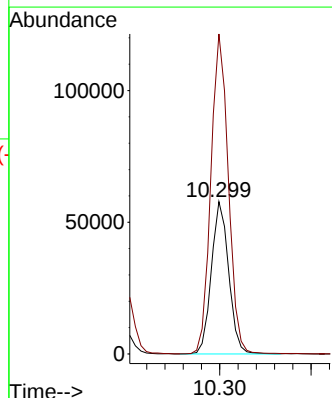
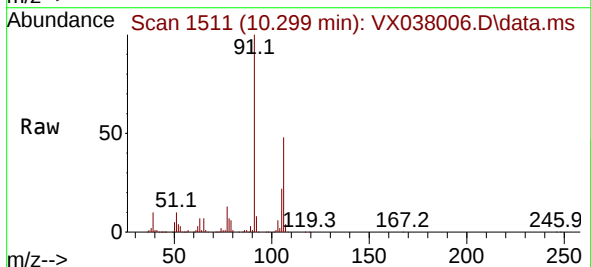
Acq: 30 Sep 2023 16:03

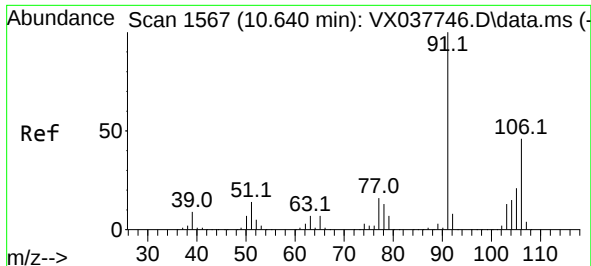
Tgt Ion: 106 Resp: 75905

Ion Ratio Lower Upper

106 100

91 212.1 165.5 248.3

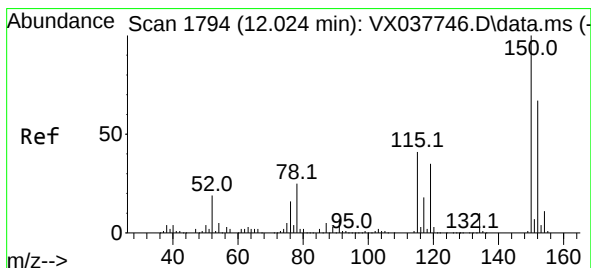
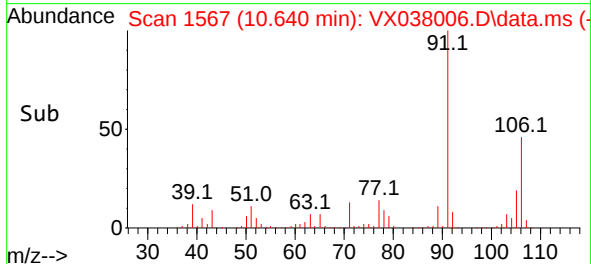
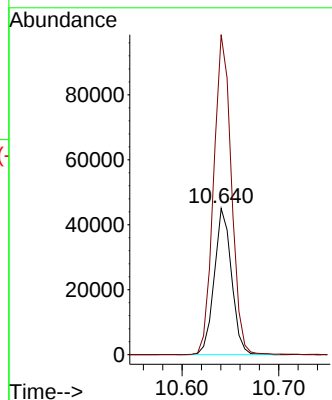
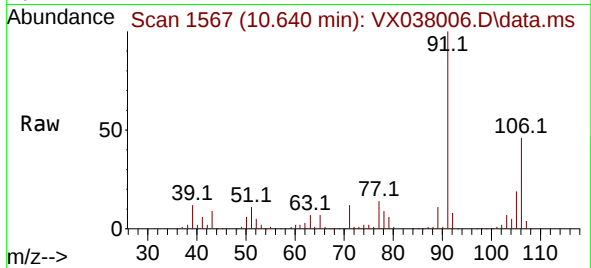




#69  
o-Xylene  
Concen: 13.366 ug/l  
RT: 10.640 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX038006.D  
Acq: 30 Sep 2023 16:03

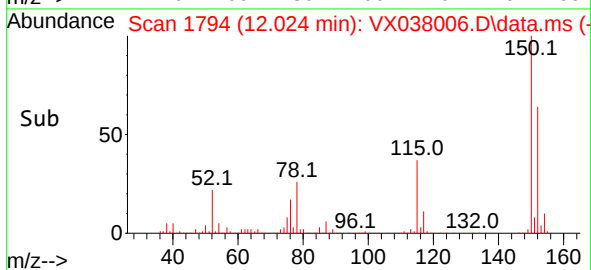
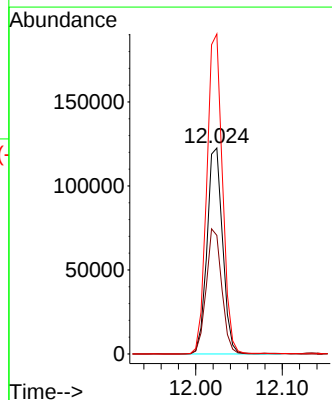
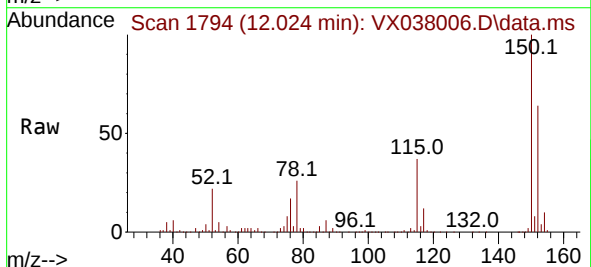
Instrument :  
MSVOA\_X  
ClientSampleId :  
S-3

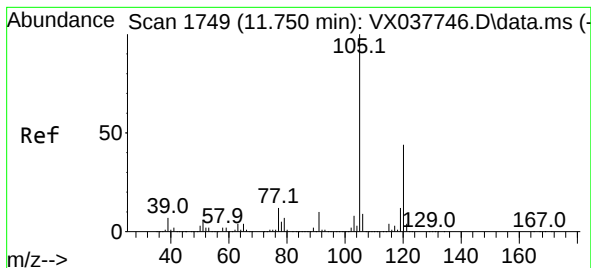
Tgt Ion:106 Resp: 55830  
Ion Ratio Lower Upper  
106 100  
91 225.5 108.9 326.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX038006.D  
Acq: 30 Sep 2023 16:03

Tgt Ion:152 Resp: 153366  
Ion Ratio Lower Upper  
152 100  
115 60.4 43.3 129.9  
150 156.0 0.0 345.0





#84

1,2,4-Trimethylbenzene

Concen: 4.227 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX038006.D

Acq: 30 Sep 2023 16:03

Instrument :

MSVOA\_X

ClientSampleId :

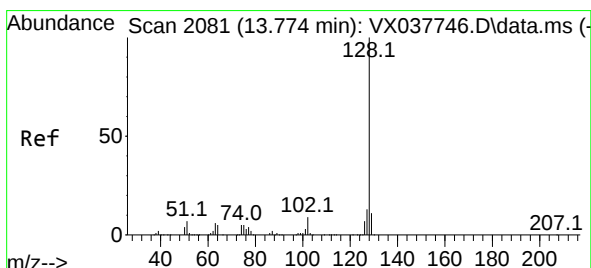
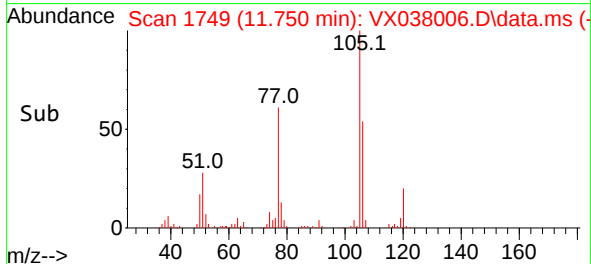
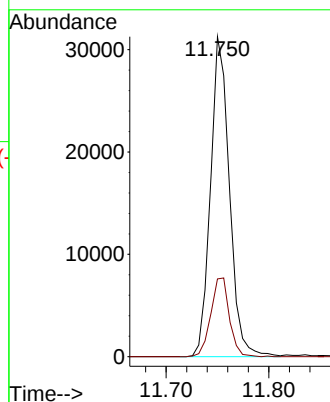
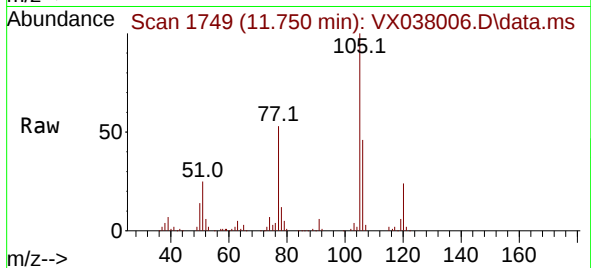
S-3

Tgt Ion:105 Resp: 39962

Ion Ratio Lower Upper

105 100

120 24.2 21.2 63.6



#95

Naphthalene

Concen: 32.809 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX038006.D

Acq: 30 Sep 2023 16:03

Tgt Ion:128 Resp: 346436

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.8 8.8 13.2

