

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010224\  
 Data File : VX039565.D  
 Acq On : 02 Jan 2024 12:29  
 Operator : JC/MD  
 Sample : 06038-04DL 100X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T-401DL

Quant Time: Jan 03 04:11:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

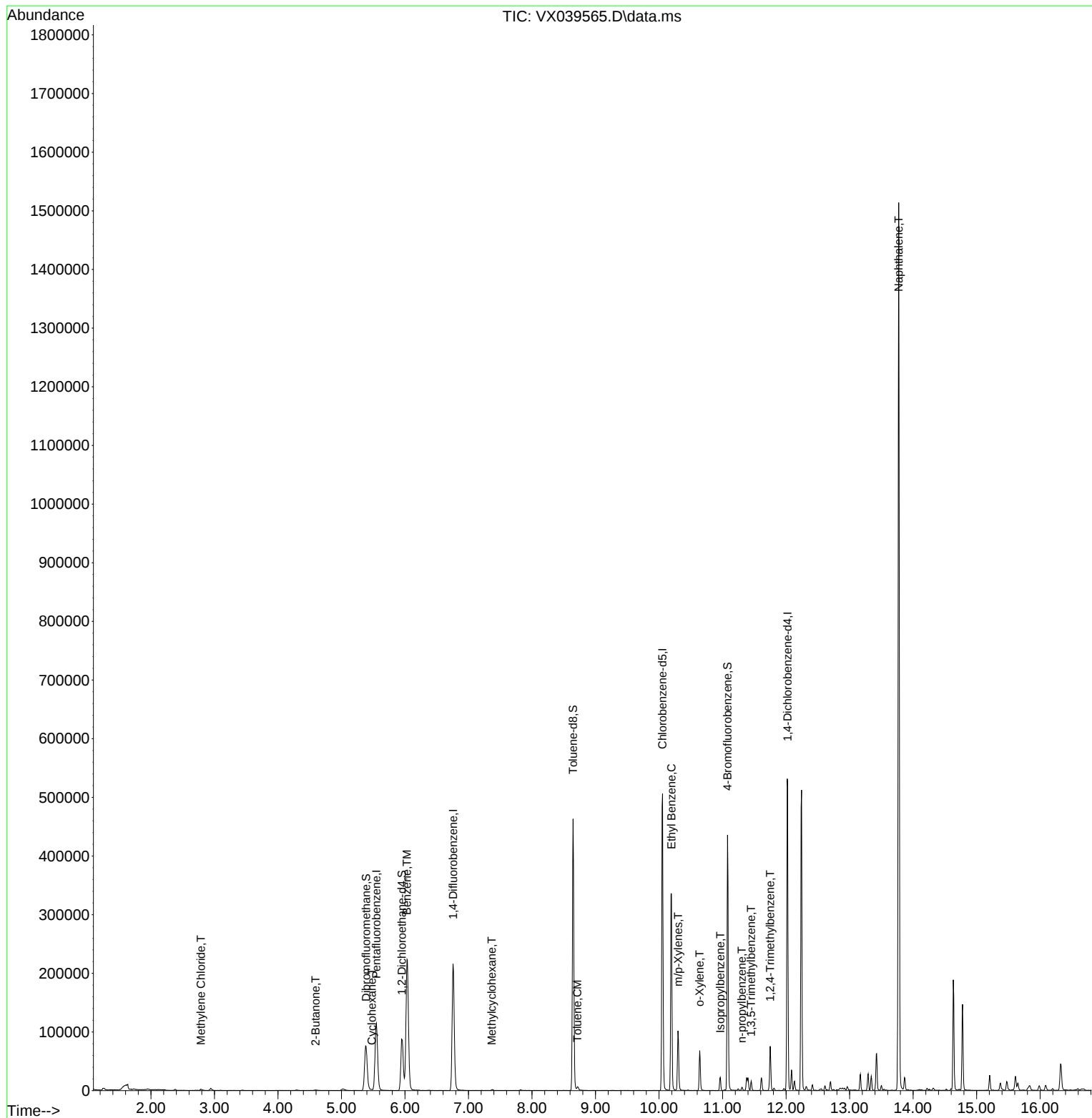
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 101078   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 210669   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 215455   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 99423    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 86676    | 46.809   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 93.620%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 67457    | 46.349   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 92.700%  |
| 50) Toluene-d8              | 8.647  | 98    | 263251   | 48.721   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 97.440%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 117398   | 52.660   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 105.320% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 2.788  | 84    | 1045     | 0.677    | ug/l # | 91       |
| 25) 2-Butanone              | 4.592  | 43    | 1173     | 0.734    | ug/l   | 92       |
| 31) Cyclohexane             | 5.476  | 56    | 975      | 0.408    | ug/l # | 74       |
| 39) Methylcyclohexane       | 7.366  | 83    | 674      | 0.244    | ug/l # | 86       |
| 40) Benzene                 | 6.031  | 78    | 267815   | 41.223   | ug/l   | 100      |
| 52) Toluene                 | 8.714  | 92    | 2242     | 0.572    | ug/l   | 91       |
| 67) Ethyl Benzene           | 10.195 | 91    | 202202   | 23.099   | ug/l   | 97       |
| 68) m/p-Xylenes             | 10.299 | 106   | 23109    | 7.363    | ug/l   | 96       |
| 69) o-Xylene                | 10.640 | 106   | 13657    | 4.500    | ug/l   | 94       |
| 73) Isopropylbenzene        | 10.963 | 105   | 11469    | 1.495    | ug/l   | 99       |
| 78) n-propylbenzene         | 11.305 | 91    | 3980     | 0.421    | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 7071     | 1.082    | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene  | 11.750 | 105   | 32446    | 4.842    | ug/l   | 98       |
| 95) Naphthalene             | 13.774 | 128   | 873807   | 120.172  | ug/l   | 100      |
| -----                       |        |       |          |          |        |          |

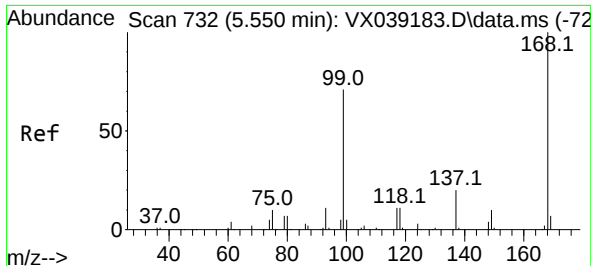
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010224\  
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Sample : 06038-04DL 100X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T-401DL

Quant Time: Jan 03 04:11:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration

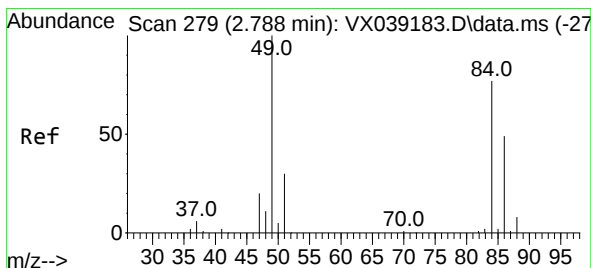
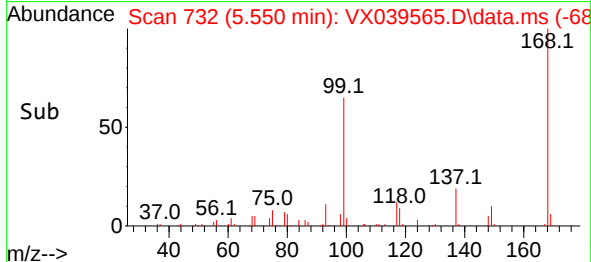
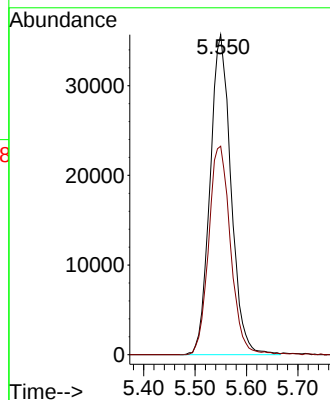
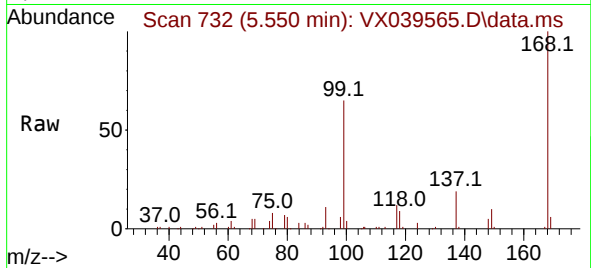




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

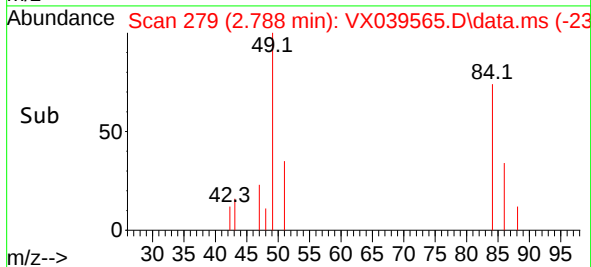
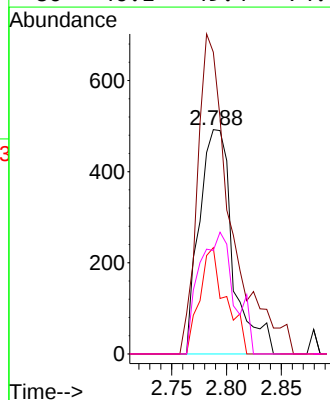
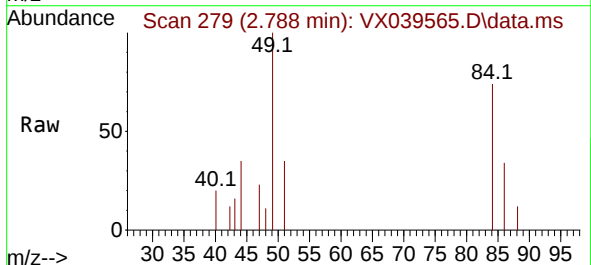
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-401DL

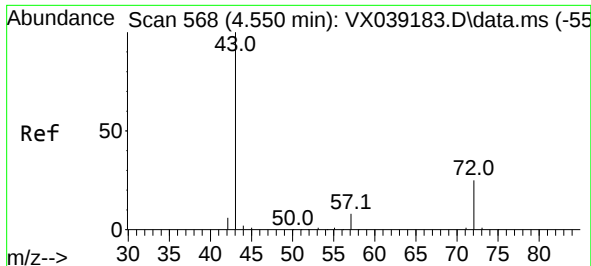
Tgt Ion:168 Resp: 101078  
Ion Ratio Lower Upper  
168 100  
99 65.1 56.6 85.0



#20  
Methylene Chloride  
Concen: 0.677 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

Tgt Ion: 84 Resp: 1045  
Ion Ratio Lower Upper  
84 100  
49 134.6 103.6 155.4  
51 47.4 33.8 50.6  
86 46.1 49.4 74.0#

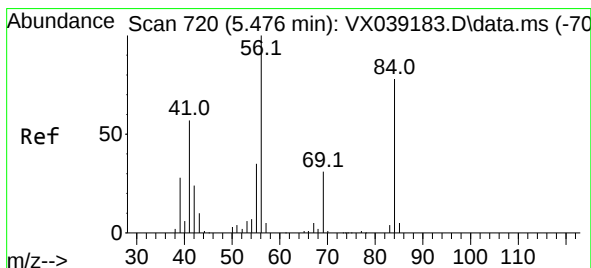
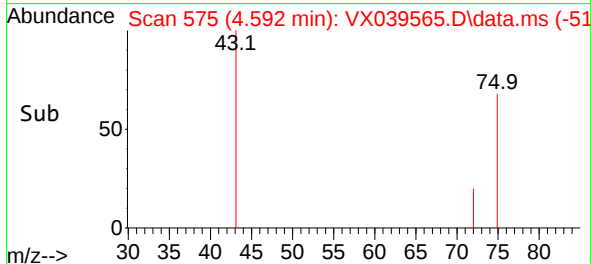
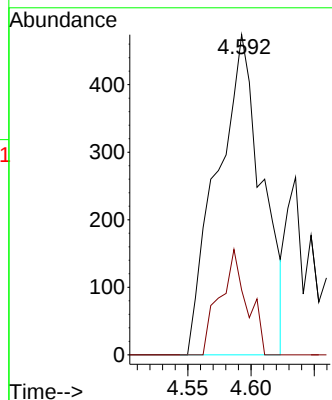
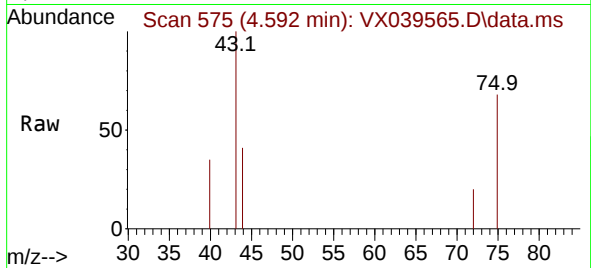




#25  
2-Butanone  
Concen: 0.734 ug/l  
RT: 4.592 min Scan# 51  
Delta R.T. 0.043 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

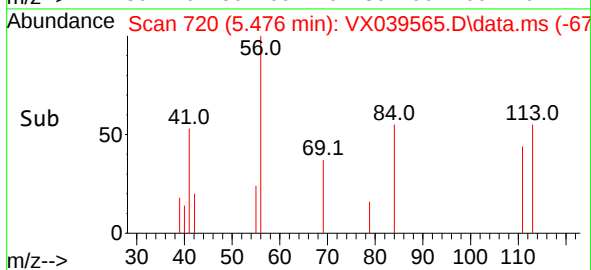
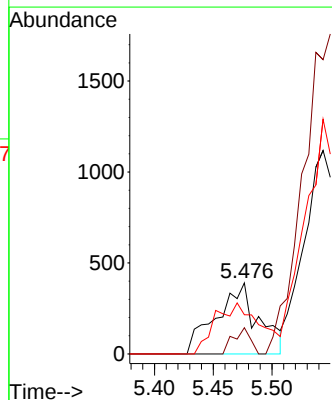
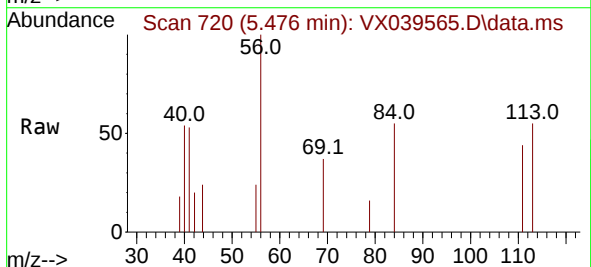
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-401DL

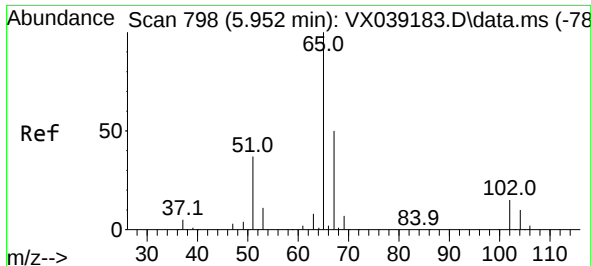
Tgt Ion: 43 Resp: 1173  
Ion Ratio Lower Upper  
43 100  
72 20.3 19.4 29.2



#31  
Cyclohexane  
Concen: 0.408 ug/l  
RT: 5.476 min Scan# 720  
Delta R.T. 0.000 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

Tgt Ion: 56 Resp: 975  
Ion Ratio Lower Upper  
56 100  
69 36.9 23.4 35.2#  
84 55.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.809 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA\_X

ClientSampleId :

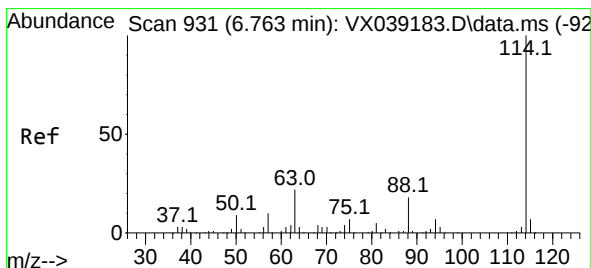
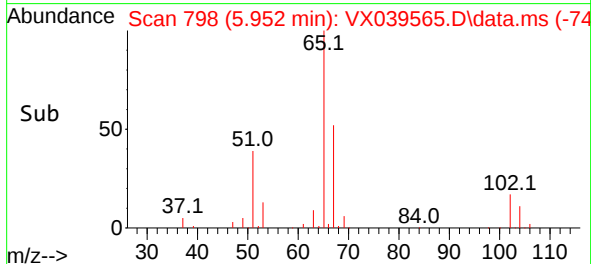
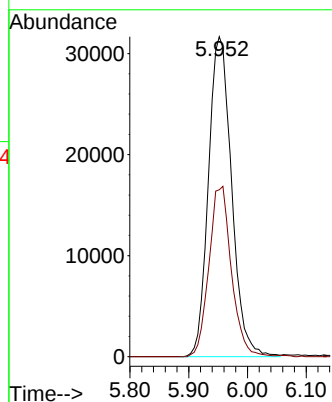
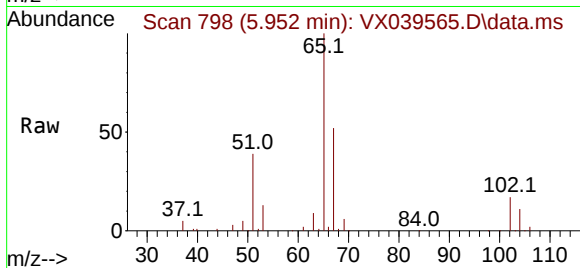
T-401DL

Tgt Ion: 65 Resp: 86676

Ion Ratio Lower Upper

65 100

67 51.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

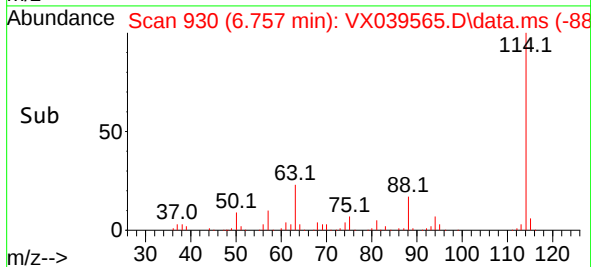
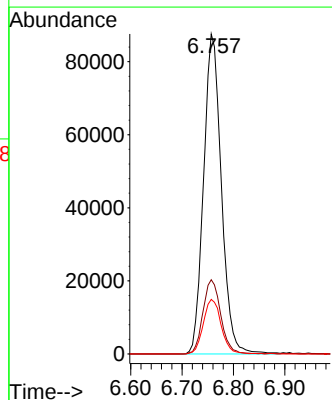
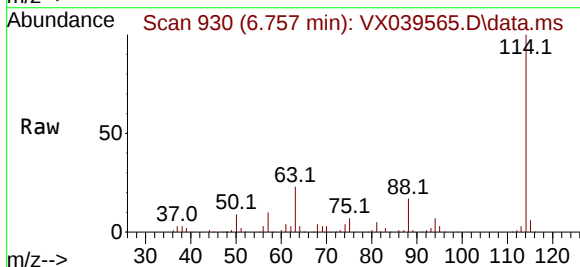
Tgt Ion: 114 Resp: 210669

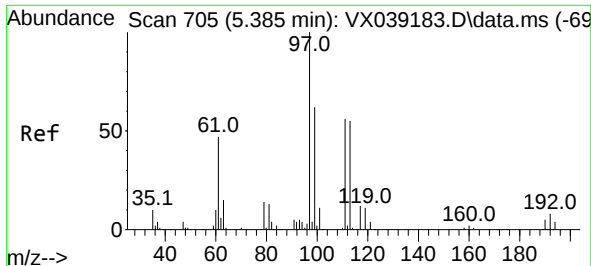
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.0

88 17.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.349 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX039565.D

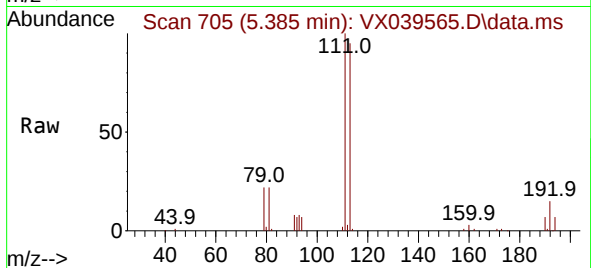
Acq: 02 Jan 2024 12:29

Instrument :

MSVOA\_X

ClientSampleId :

T-401DL



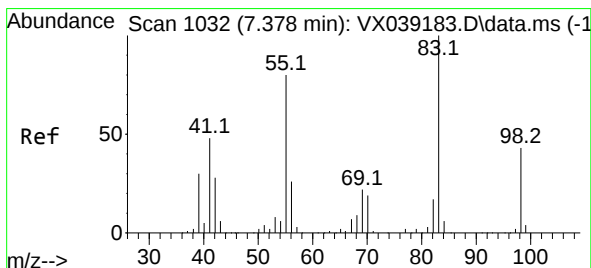
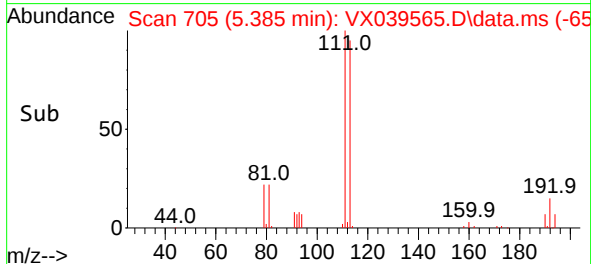
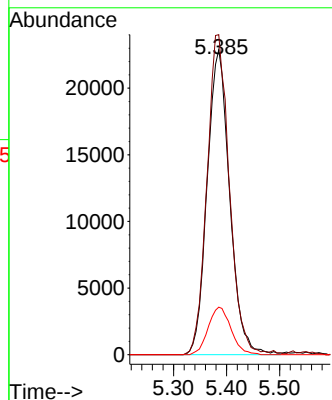
Tgt Ion:113 Resp: 67457

Ion Ratio Lower Upper

113 100

111 104.3 82.9 124.3

192 15.8 13.3 19.9



#39

Methylcyclohexane

Concen: 0.244 ug/l

RT: 7.366 min Scan# 1030

Delta R.T. -0.012 min

Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

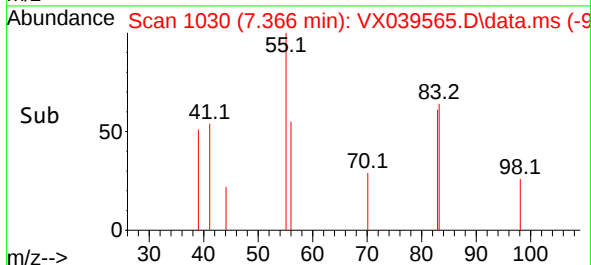
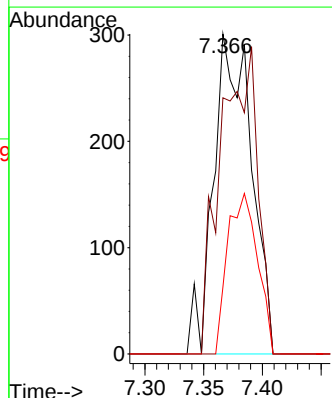
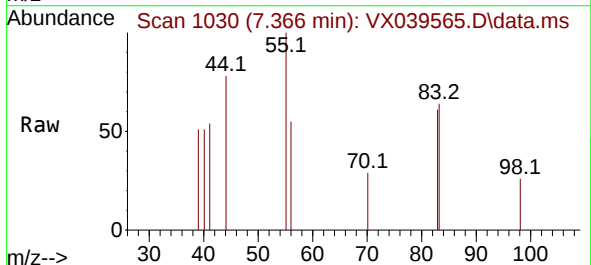
Tgt Ion: 83 Resp: 674

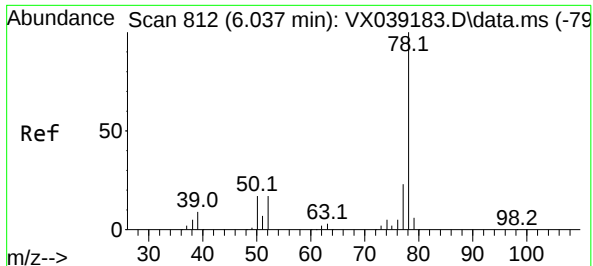
Ion Ratio Lower Upper

83 100

55 80.1 64.6 97.0

98 20.9 36.7 55.1#

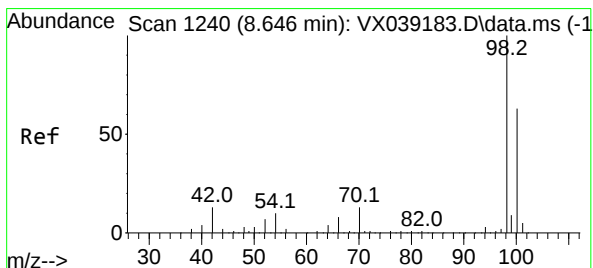
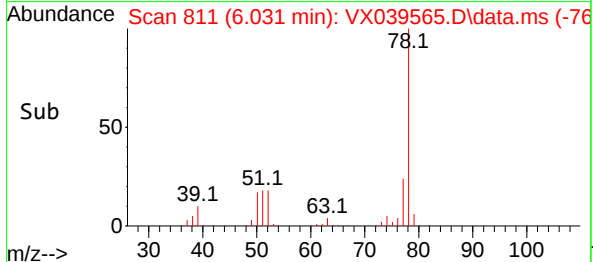
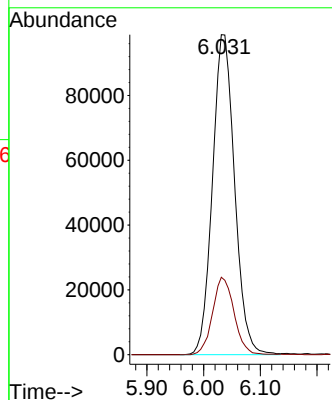
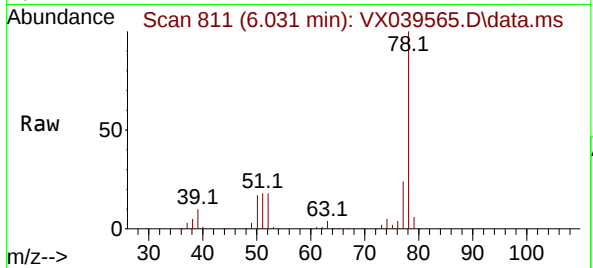




#40  
Benzene  
Concen: 41.223 ug/l  
RT: 6.031 min Scan# 812  
Delta R.T. -0.006 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

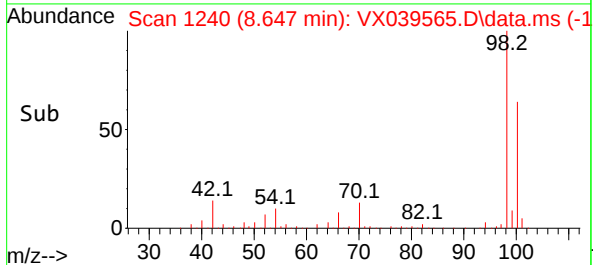
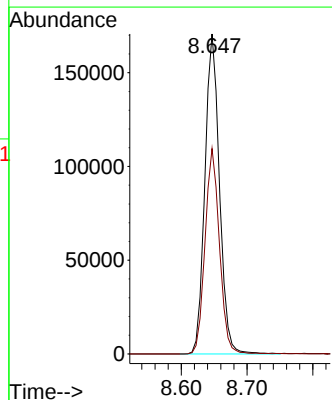
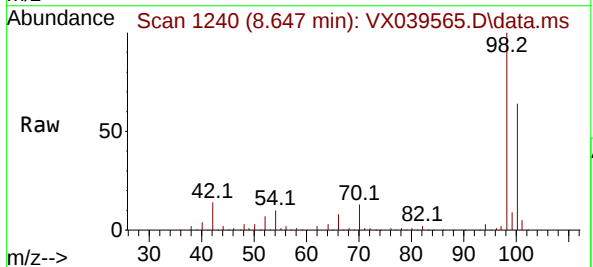
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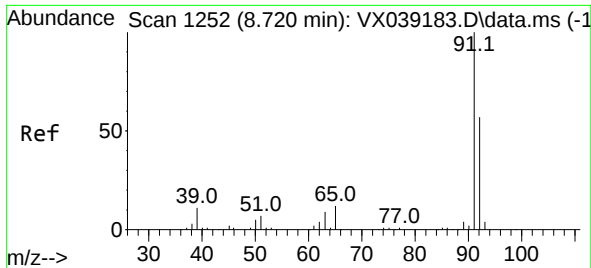
Tgt Ion: 78 Resp: 267815  
Ion Ratio Lower Upper  
78 100  
77 24.2 19.3 28.9



#50  
Toluene-d8  
Concen: 48.721 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

Tgt Ion: 98 Resp: 263251  
Ion Ratio Lower Upper  
98 100  
100 63.5 53.1 79.7

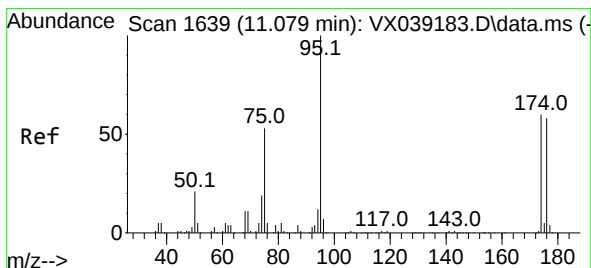
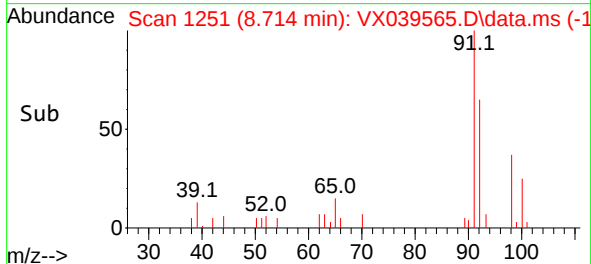
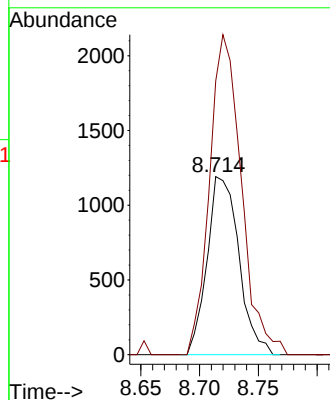
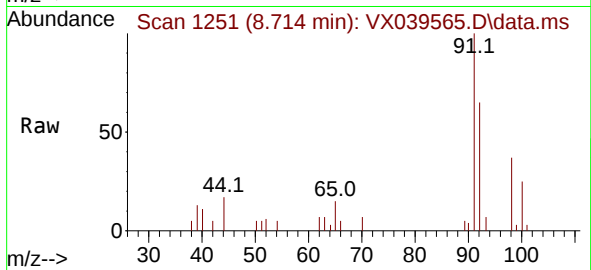




#52  
Toluene  
Concen: 0.572 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.006 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

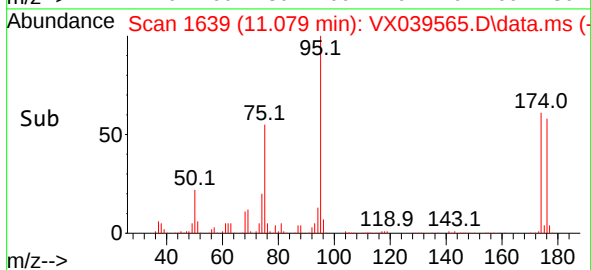
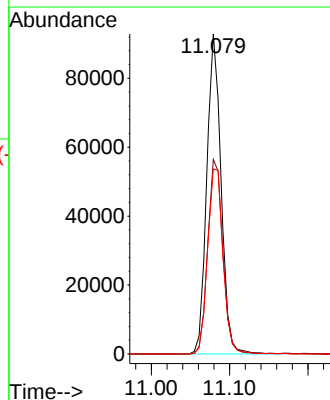
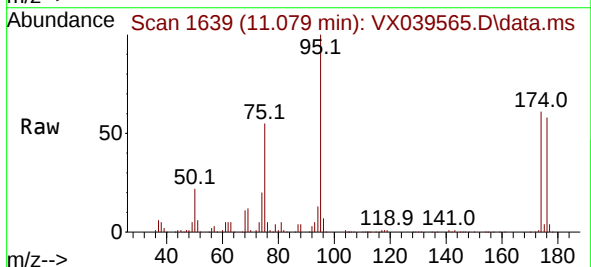
Instrument :  
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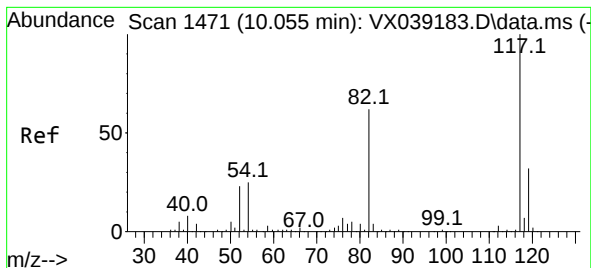
Tgt Ion: 92 Resp: 2242  
Ion Ratio Lower Upper  
92 100  
91 179.9 134.2 201.2



#62  
4-Bromofluorobenzene  
Concen: 52.660 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

Tgt Ion: 95 Resp: 117398  
Ion Ratio Lower Upper  
95 100  
174 64.1 0.0 135.6  
176 62.5 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: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA\_X

ClientSampleId :

T-401DL

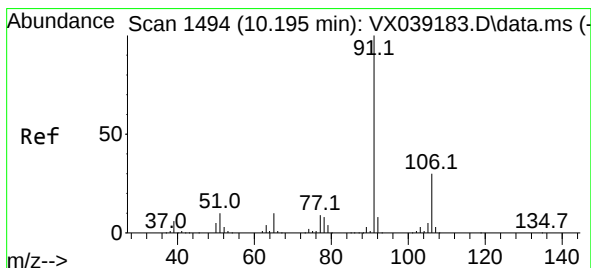
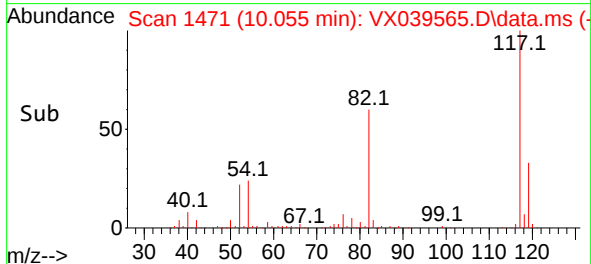
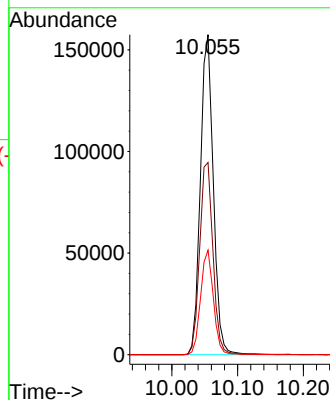
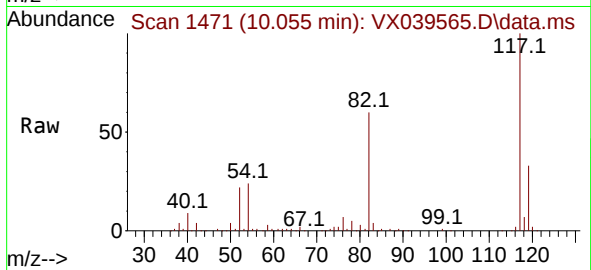
Tgt Ion:117 Resp: 215455

Ion Ratio Lower Upper

117 100

82 60.1 46.2 69.4

119 32.7 25.5 38.3



#67

Ethyl Benzene

Concen: 23.099 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039565.D

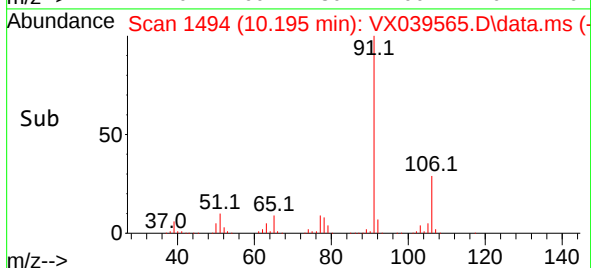
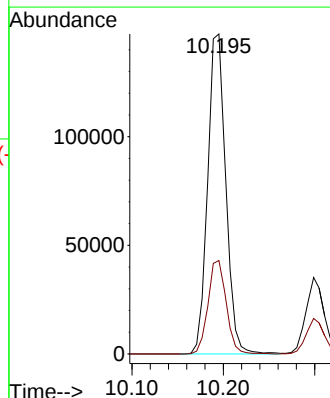
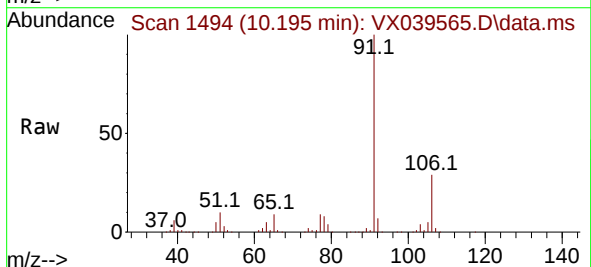
Acq: 02 Jan 2024 12:29

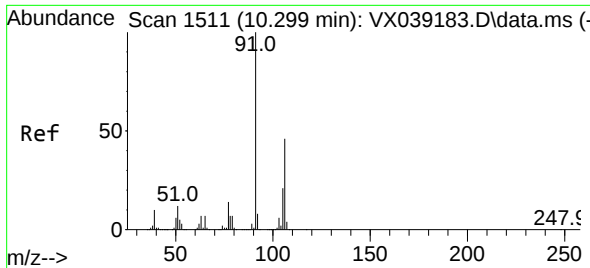
Tgt Ion: 91 Resp: 202202

Ion Ratio Lower Upper

91 100

106 29.2 24.9 37.3

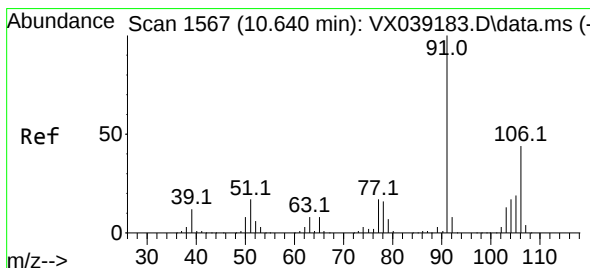
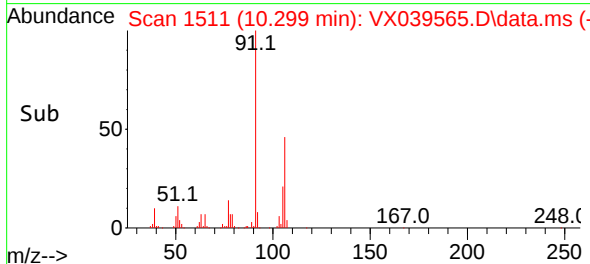
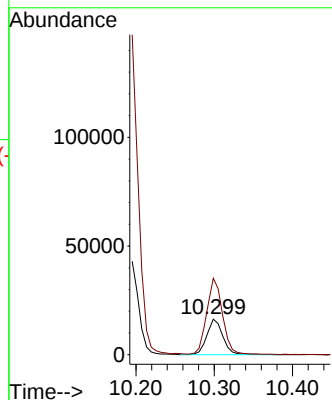
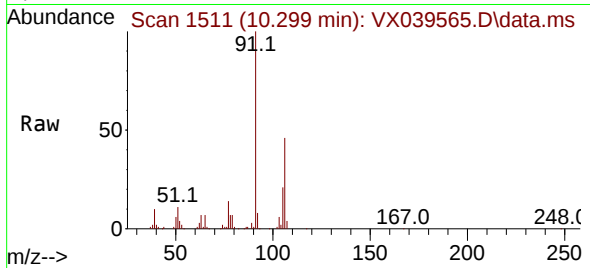




#68  
m/p-Xylenes  
Concen: 7.363 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

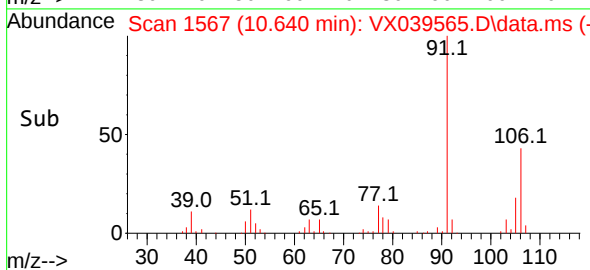
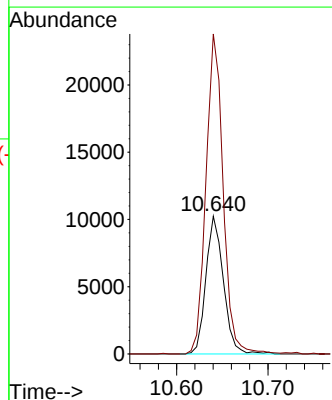
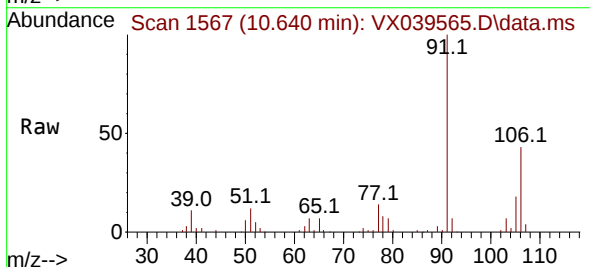
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-401DL

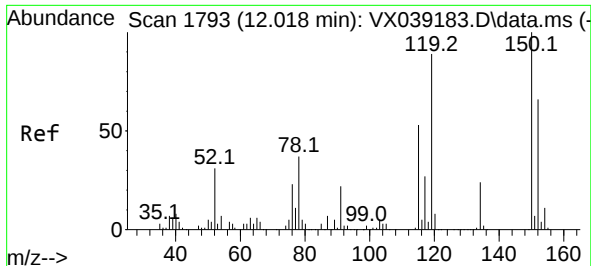
Tgt Ion:106 Resp: 23109  
Ion Ratio Lower Upper  
106 100  
91 212.5 165.5 248.3



#69  
o-Xylene  
Concen: 4.500 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

Tgt Ion:106 Resp: 13657  
Ion Ratio Lower Upper  
106 100  
91 227.5 108.9 326.8

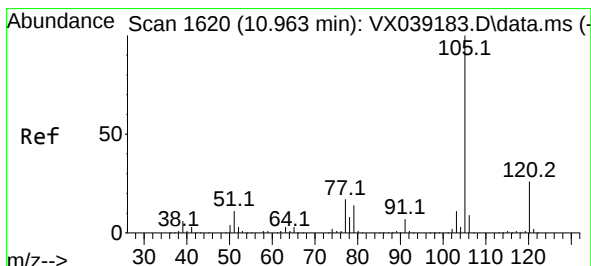
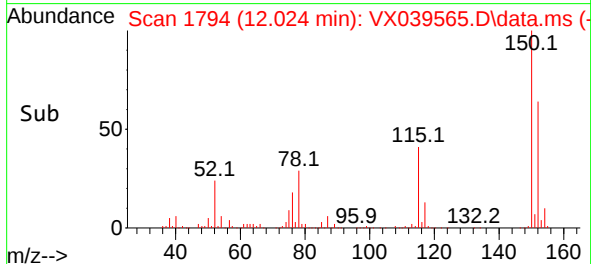
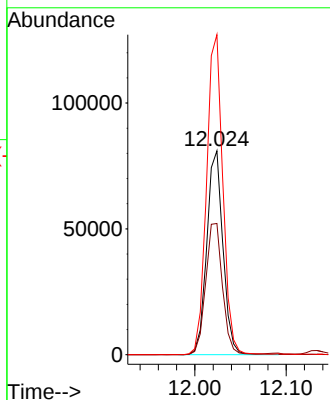
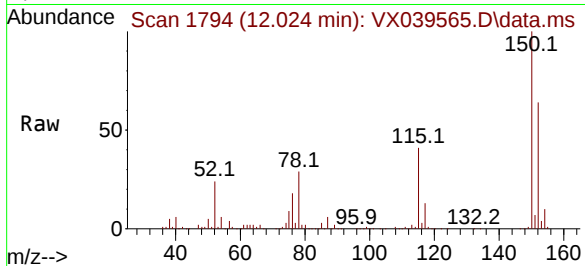




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

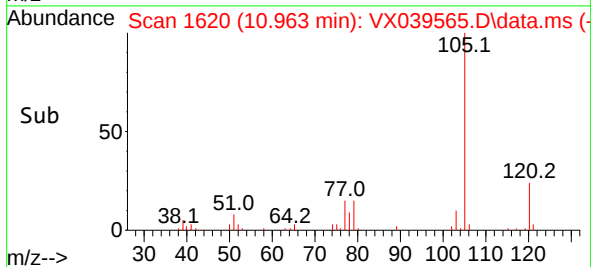
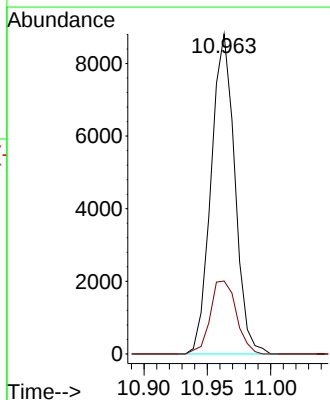
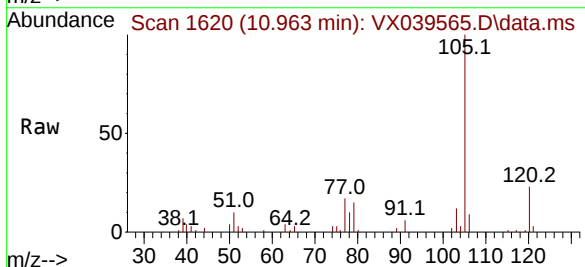
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-401DL

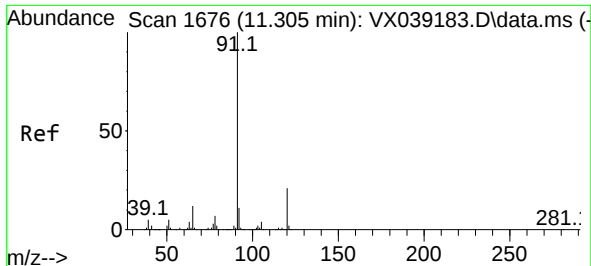
Tgt Ion:152 Resp: 99423  
Ion Ratio Lower Upper  
152 100  
115 66.9 43.3 129.9  
150 157.7 0.0 345.0



#73  
Isopropylbenzene  
Concen: 1.495 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

Tgt Ion:105 Resp: 11469  
Ion Ratio Lower Upper  
105 100  
120 25.2 12.9 38.6

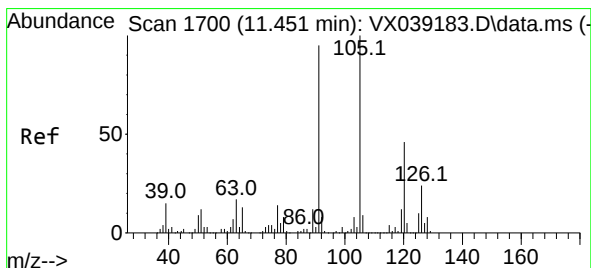
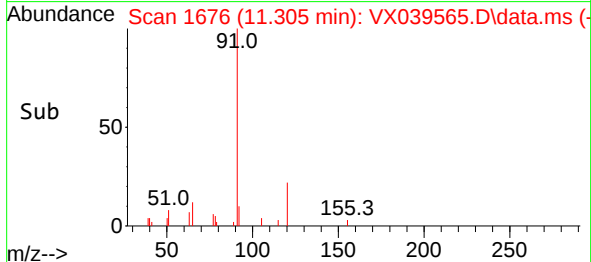
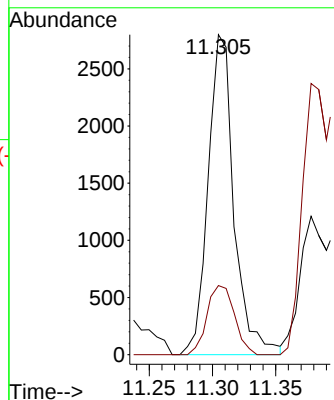
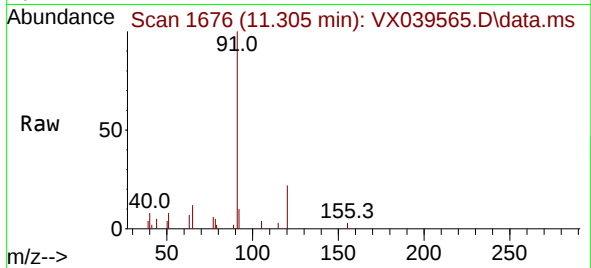




#78  
n-propylbenzene  
Concen: 0.421 ug/l  
RT: 11.305 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

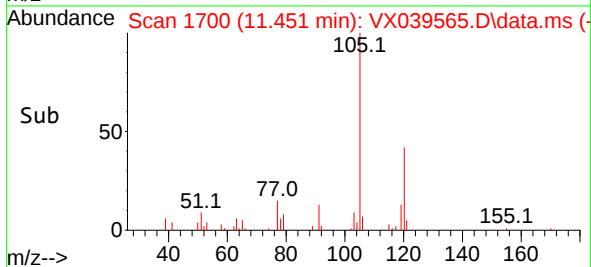
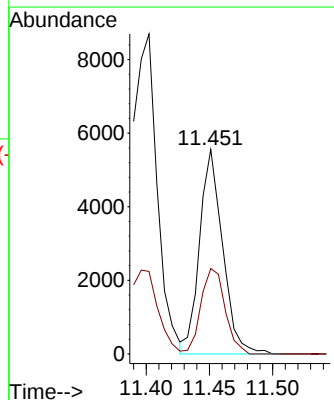
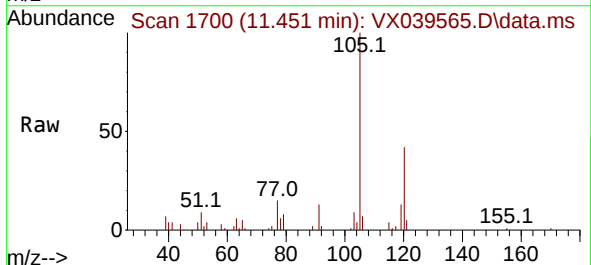
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-401DL

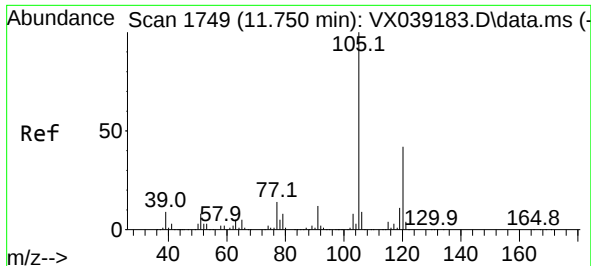
Tgt Ion: 91 Resp: 3980  
Ion Ratio Lower Upper  
91 100  
120 22.9 11.5 34.4



#80  
1,3,5-Trimethylbenzene  
Concen: 1.082 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX039565.D  
Acq: 02 Jan 2024 12:29

Tgt Ion: 105 Resp: 7071  
Ion Ratio Lower Upper  
105 100  
120 43.7 24.1 72.3

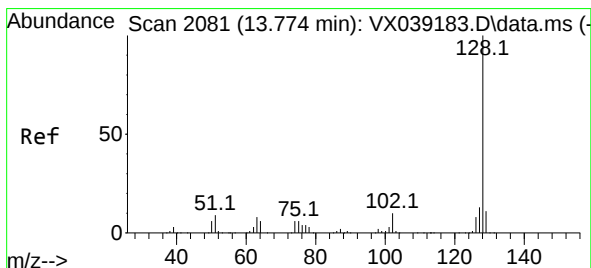
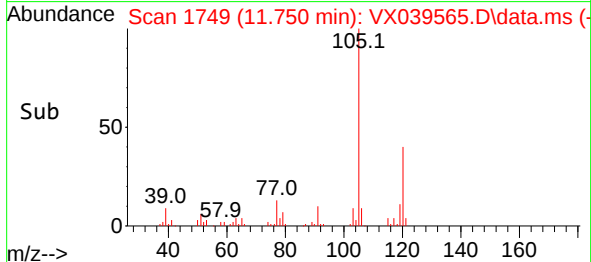
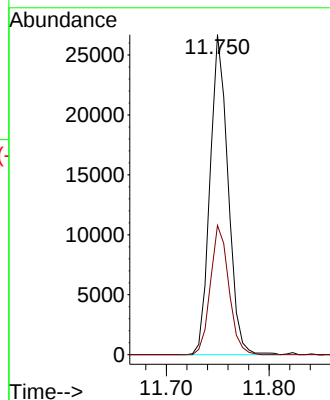
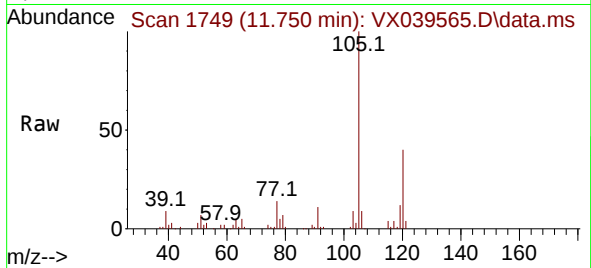




#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.842 ug/l  
 RT: 11.750 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX039565.D  
 Acq: 02 Jan 2024 12:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T-401DL

Tgt Ion:105 Resp: 32446  
 Ion Ratio Lower Upper  
 105 100  
 120 41.2 21.2 63.6



#95  
 Naphthalene  
 Concen: 120.172 ug/l  
 RT: 13.774 min Scan# 2081  
 Delta R.T. 0.000 min  
 Lab File: VX039565.D  
 Acq: 02 Jan 2024 12:29

Tgt Ion:128 Resp: 873807  
 Ion Ratio Lower Upper  
 128 100  
 127 13.1 10.3 15.5  
 129 10.9 8.8 13.2

