

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092624\  
 Data File : VX043173.D  
 Acq On : 26 Sep 2024 13:15  
 Operator : JC/MD  
 Sample : P4204-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 27 01:40:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092324W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 24 03:13:52 2024  
 Response via : Initial Calibration

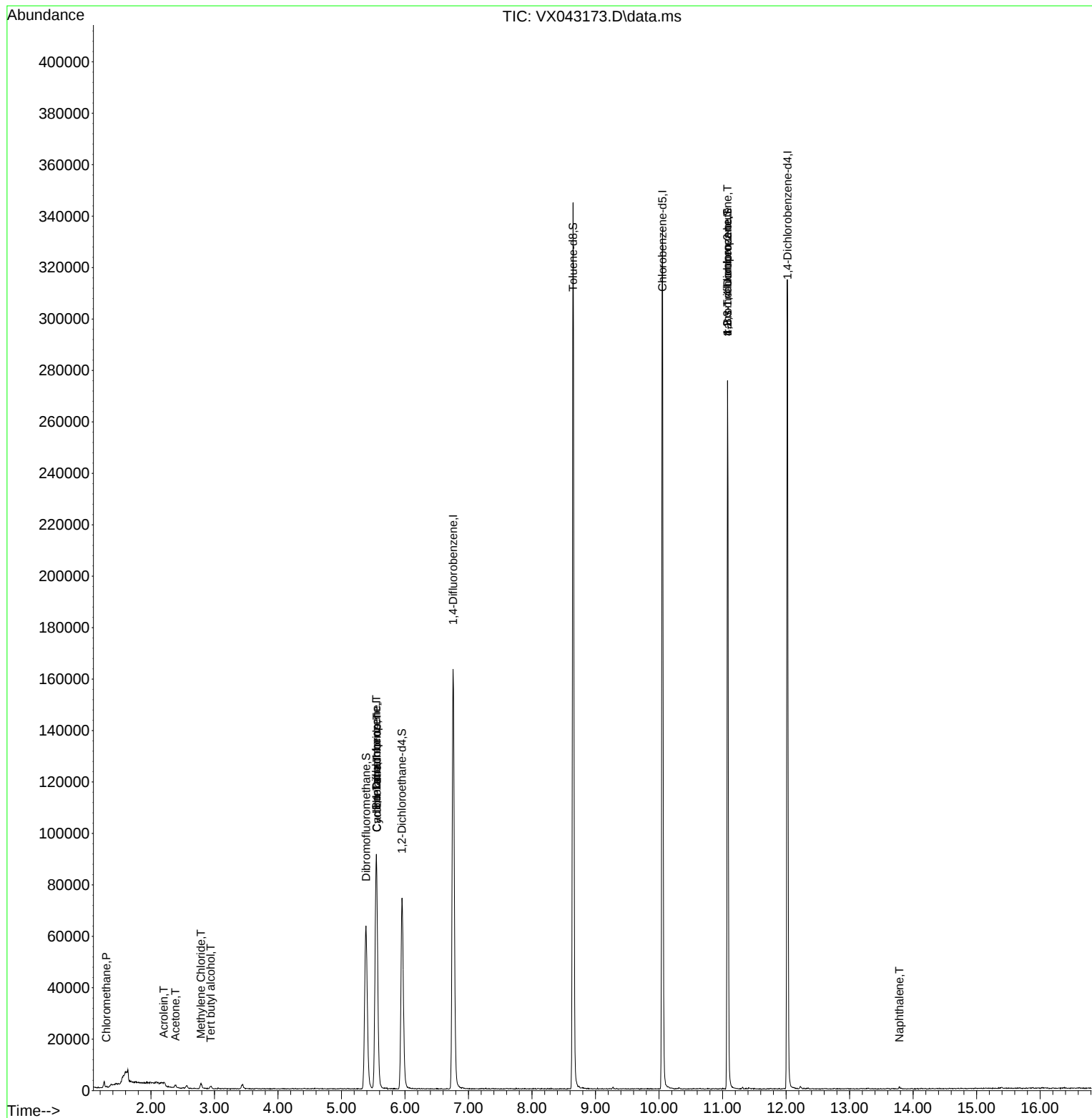
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550     | 168   | 82067    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757     | 114   | 165198   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 149141   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 64784    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952     | 65    | 75055    | 55.059   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery | = 110.120% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 55969    | 48.027   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 96.060%  |          |
| 50) Toluene-d8                | 8.647     | 98    | 200892   | 50.953   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery | = 101.900% |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 73845    | 46.509   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 77 - 121 | Recovery | = 93.020%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 1.294     | 50    | 223      | 0.250    | ug/l #     | 43       |
| 11) Tert butyl alcohol        | 2.940     | 59    | 324      | 1.065    | ug/l #     | 71       |
| 13) Acrolein                  | 2.203     | 56    | 29       | 0.723    | ug/l #     | 1        |
| 16) Acetone                   | 2.386     | 43    | 1342     | 2.105    | ug/l       | 100      |
| 20) Methylene Chloride        | 2.788     | 84    | 1047     | 1.032    | ug/l #     | 92       |
| 31) Cyclohexane               | 5.556     | 56    | 1969     | 1.469    | ug/l #     | 10       |
| 36) 1,1-Dichloropropene       | 5.550     | 75    | 7340     | 5.126    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 9569     | 5.188    | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 40495    | 29.401   | ug/l #     | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 40495    | 70.050   | ug/l #     | 7        |
| 95) Naphthalene               | 13.786    | 128   | 1150     | 0.255    | ug/l #     | 82       |
| -----                         |           |       |          |          |            |          |

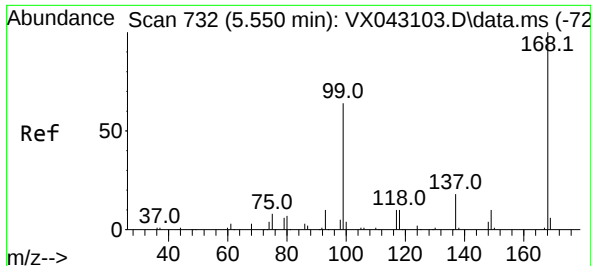
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092624\  
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Sample : P4204-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Sep 27 01:40:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092324W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 24 03:13:52 2024  
Response via : Initial Calibration



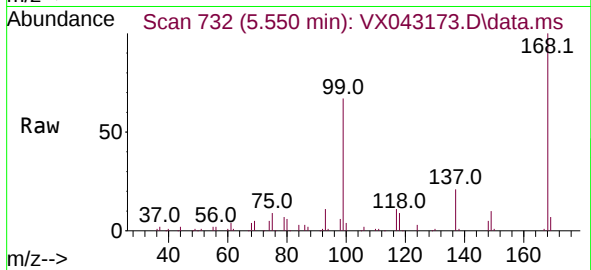


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX043173.D  
Acq: 26 Sep 2024 13:15

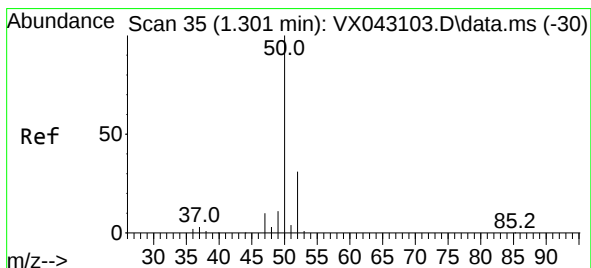
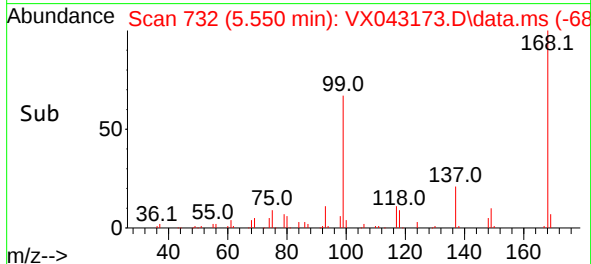
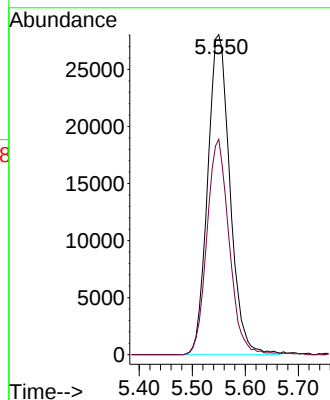
Instrument :

MSVOA\_X

ClientSampleId :

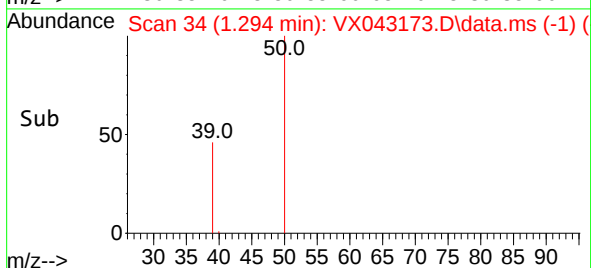
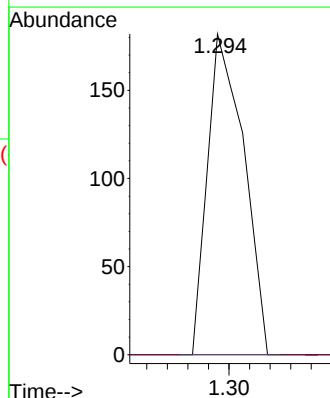
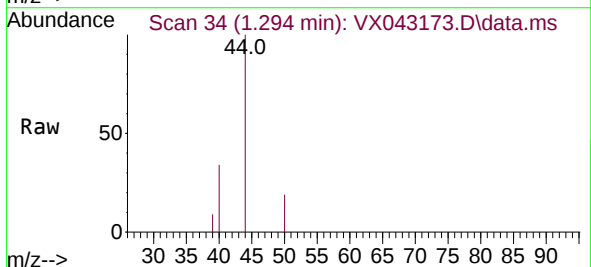


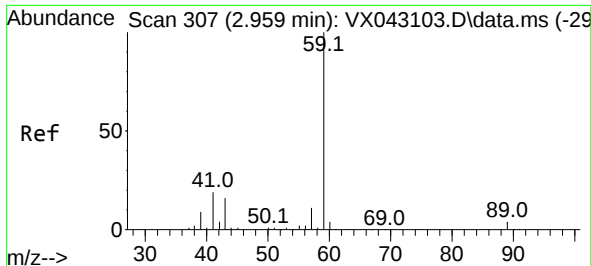
Tgt Ion:168 Resp: 82067  
Ion Ratio Lower Upper  
168 100  
99 67.3 50.8 76.2



#3  
Chloromethane  
Concen: 0.250 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VX043173.D  
Acq: 26 Sep 2024 13:15

Tgt Ion: 50 Resp: 223  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.065 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX043173.D

Acq: 26 Sep 2024 13:15

Instrument :

MSVOA\_X

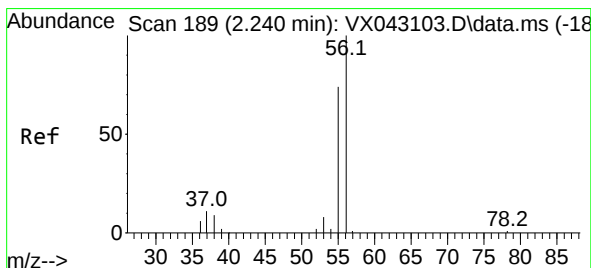
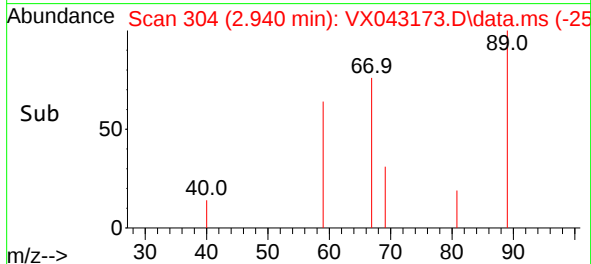
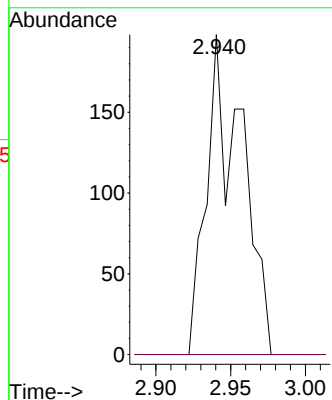
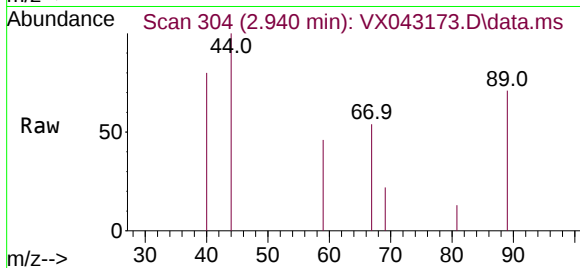
ClientSampleId :

Tgt Ion: 59 Resp: 324

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#13

Acrolein

Concen: 0.723 ug/l

RT: 2.203 min Scan# 183

Delta R.T. -0.037 min

Lab File: VX043173.D

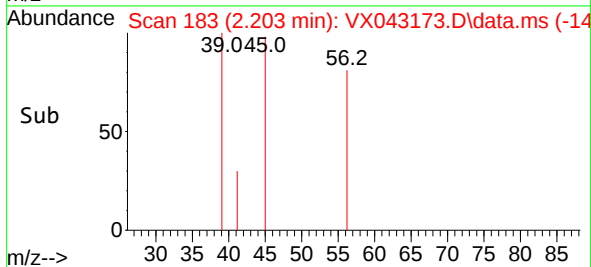
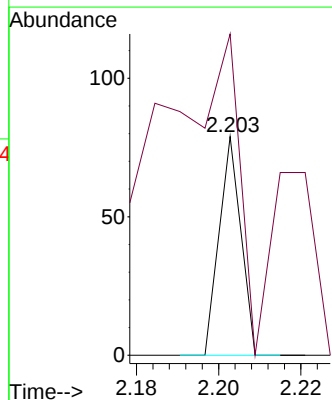
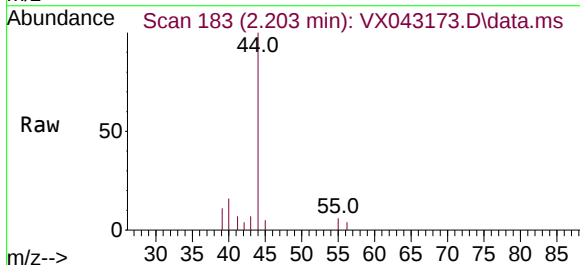
Acq: 26 Sep 2024 13:15

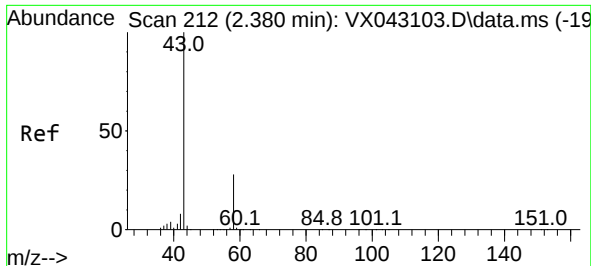
Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 248.3 55.8 83.6#





#16

Acetone

Concen: 2.105 ug/l

RT: 2.386 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX043173.D

Acq: 26 Sep 2024 13:15

Instrument :

MSVOA\_X

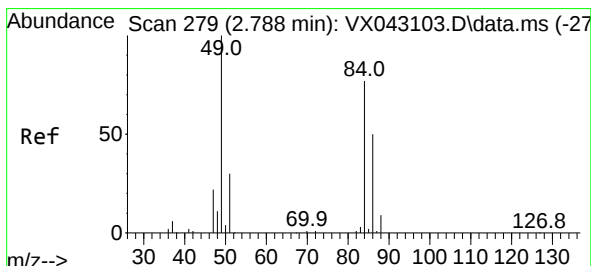
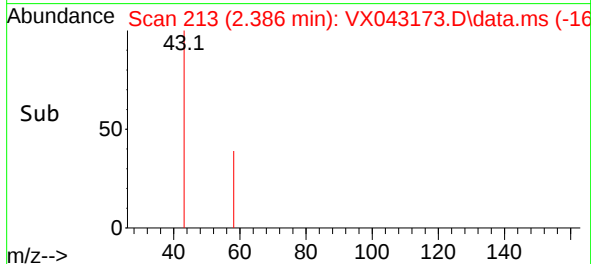
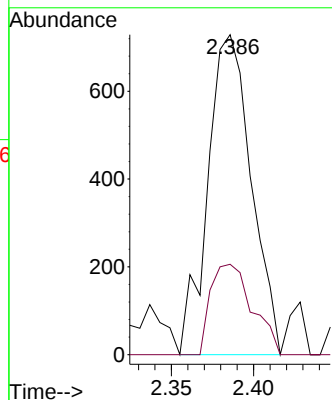
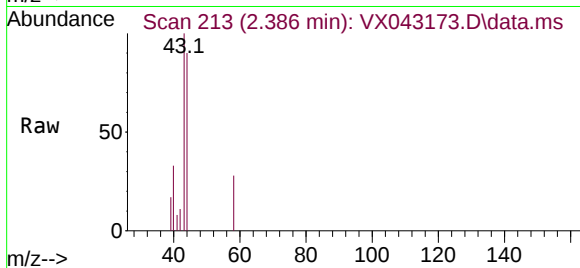
ClientSampleId :

Tgt Ion: 43 Resp: 1342

Ion Ratio Lower Upper

43 100

58 28.3 22.6 34.0



#20

Methylene Chloride

Concen: 1.032 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX043173.D

Acq: 26 Sep 2024 13:15

Tgt Ion: 84 Resp: 1047

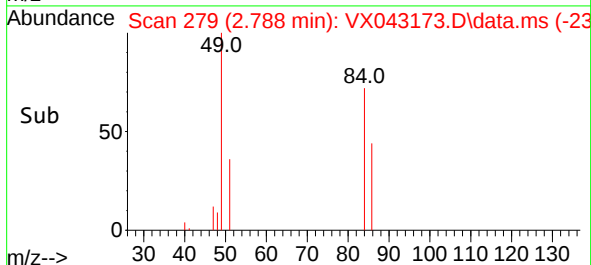
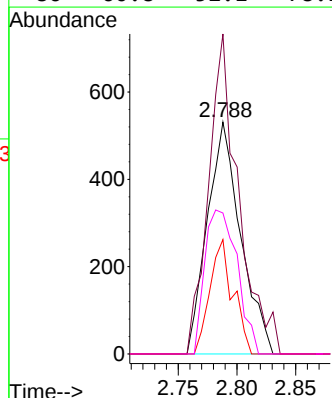
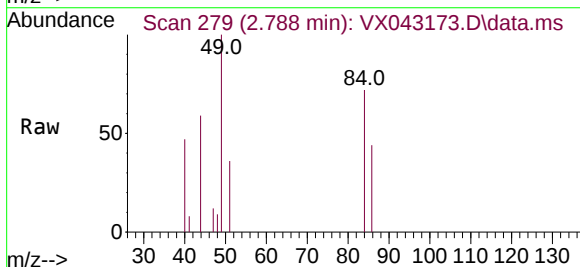
Ion Ratio Lower Upper

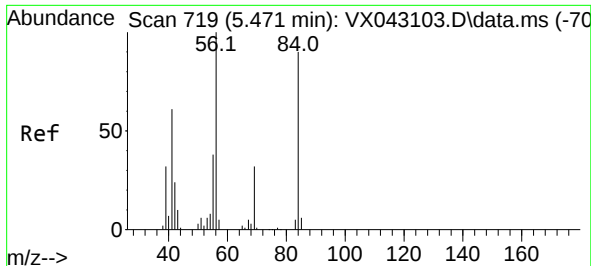
84 100

49 138.0 104.1 156.1

51 49.3 31.1 46.7#

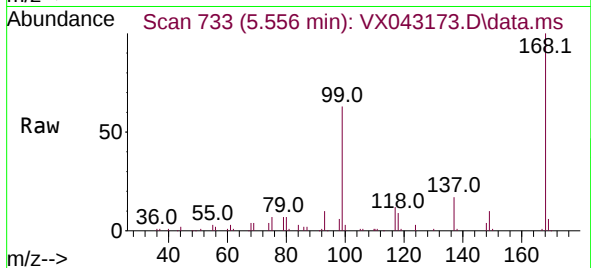
86 60.8 52.1 78.1



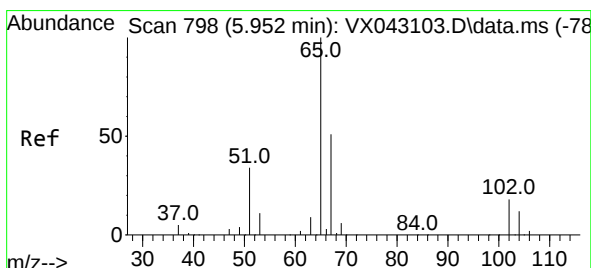
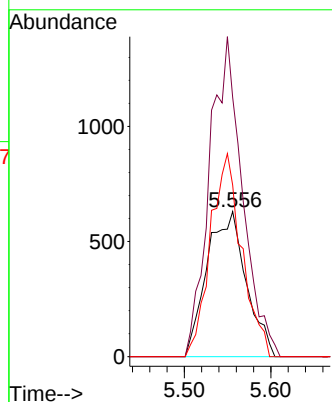
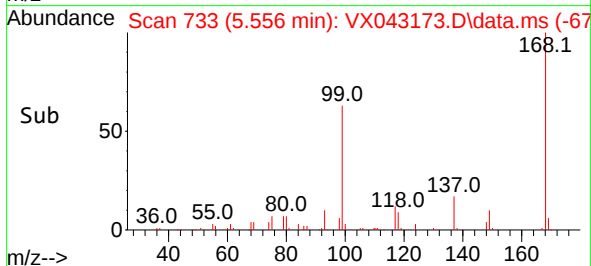


#31  
Cyclohexane  
Concen: 1.469 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX043173.D  
Acq: 26 Sep 2024 13:15

Instrument :  
MSVOA\_X  
ClientSampleId :

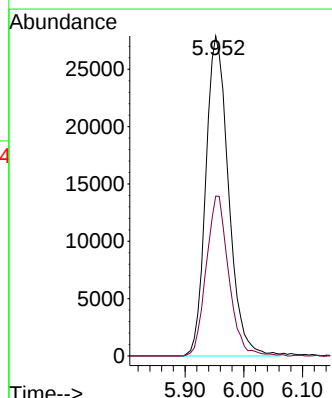
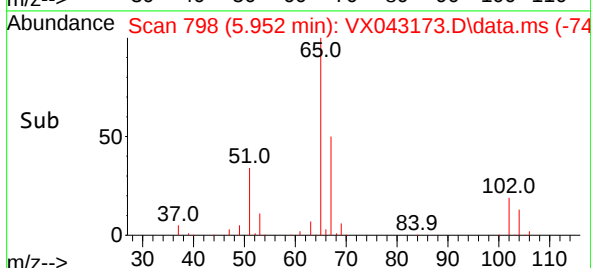
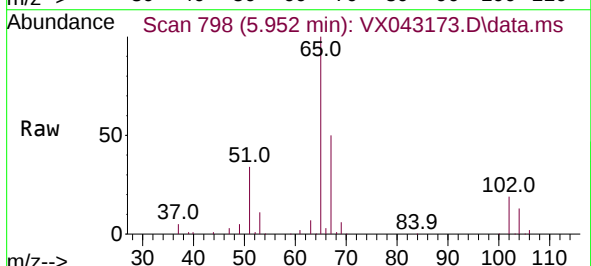


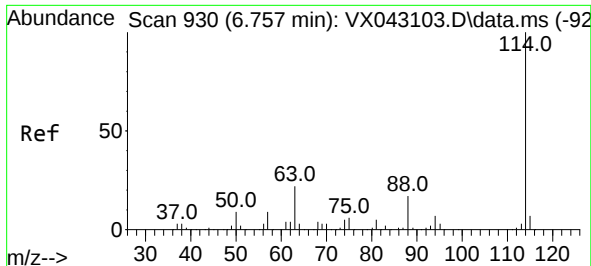
Tgt Ion: 56 Resp: 1969  
Ion Ratio Lower Upper  
56 100  
69 178.7 25.8 38.6#  
84 118.3 72.4 108.6#



#33  
1,2-Dichloroethane-d4  
Concen: 55.059 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX043173.D  
Acq: 26 Sep 2024 13:15

Tgt Ion: 65 Resp: 75055  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 99.0

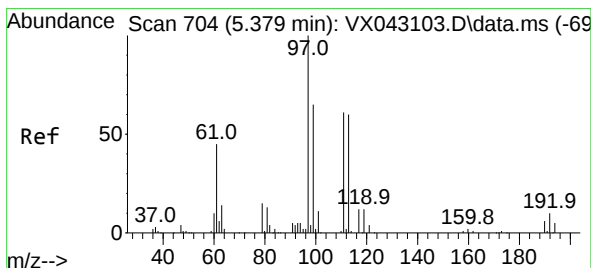
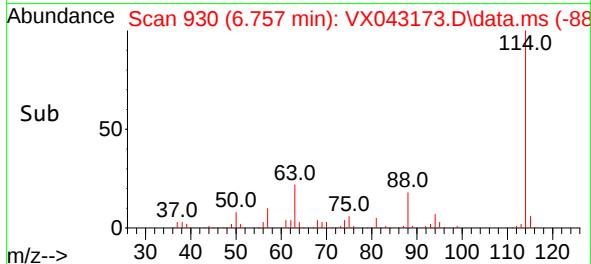
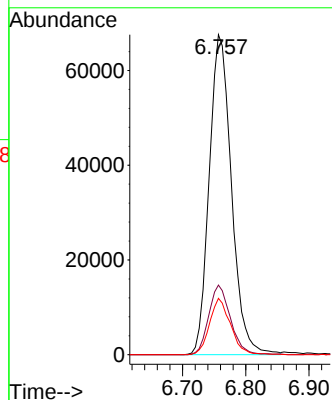
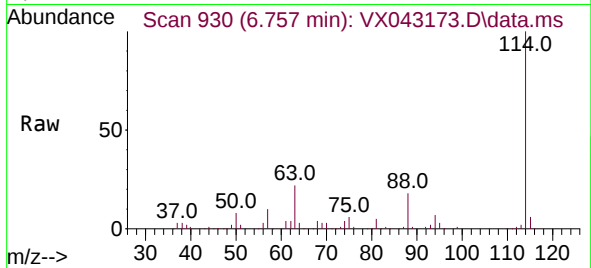




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX043173.D  
Acq: 26 Sep 2024 13:15

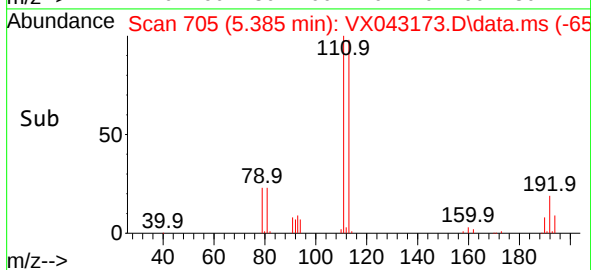
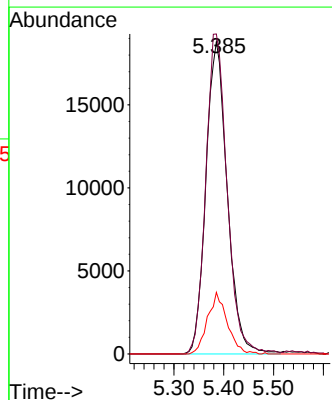
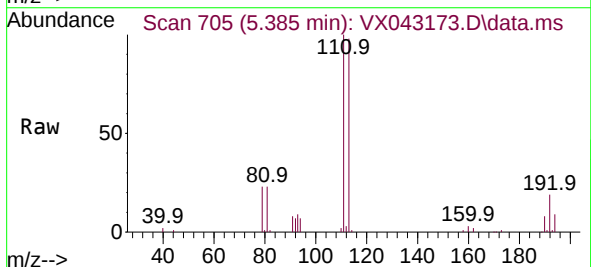
Instrument :  
MSVOA\_X  
ClientSampleId :

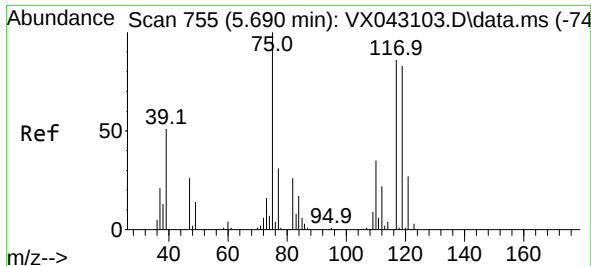
Tgt Ion:114 Resp: 165198  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 43.2  
88 17.6 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 48.027 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX043173.D  
Acq: 26 Sep 2024 13:15

Tgt Ion:113 Resp: 55969  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.6 124.0  
192 18.2 14.6 22.0





#36

1,1-Dichloropropene

Concen: 5.126 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

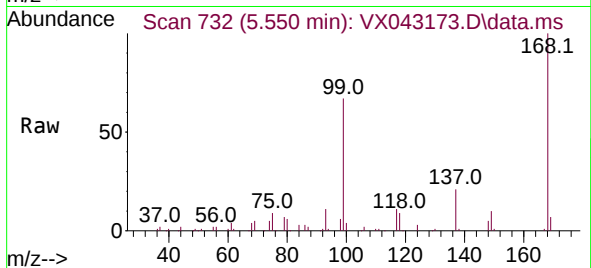
Lab File: VX043173.D

Acq: 26 Sep 2024 13:15

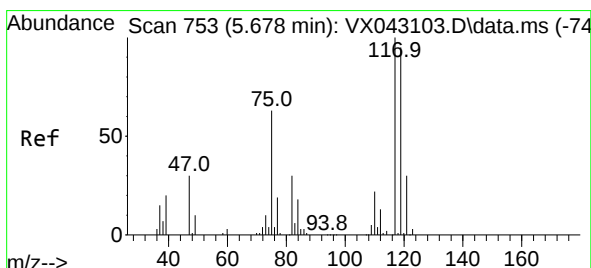
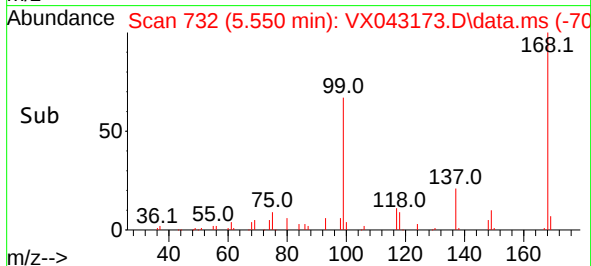
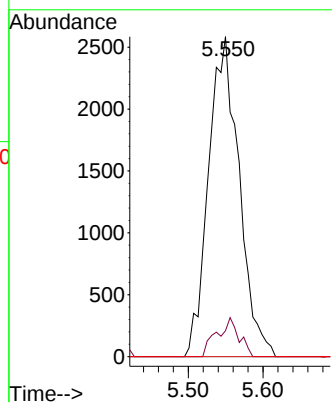
Instrument :

MSVOA\_X

ClientSampleId :



|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 7340     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 8.8 17.8 53.4# |
| 77          | 0.0 25.2 37.8# |



#38

Carbon Tetrachloride

Concen: 5.188 ug/l

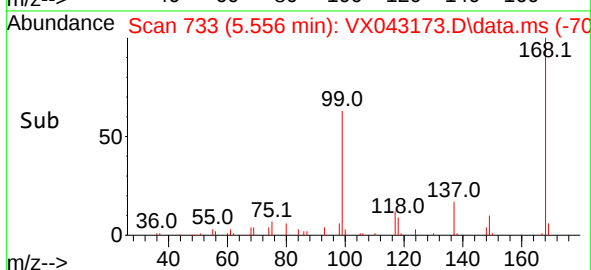
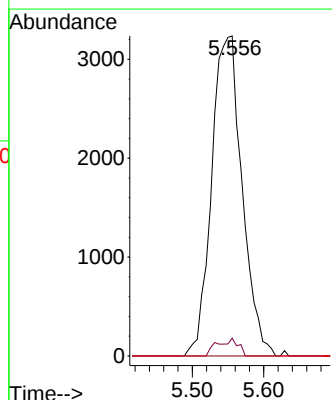
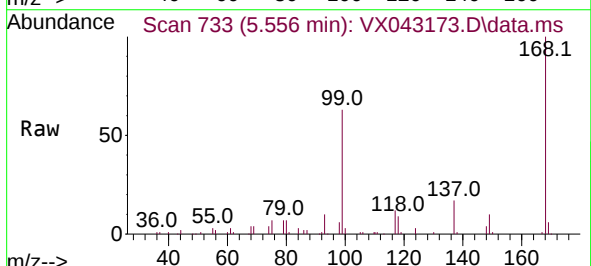
RT: 5.556 min Scan# 733

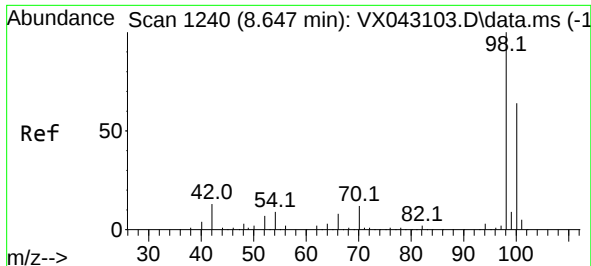
Delta R.T. -0.122 min

Lab File: VX043173.D

Acq: 26 Sep 2024 13:15

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 9569      |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 5.5 75.5 113.3# |
| 121          | 0.0 24.2 36.2#  |

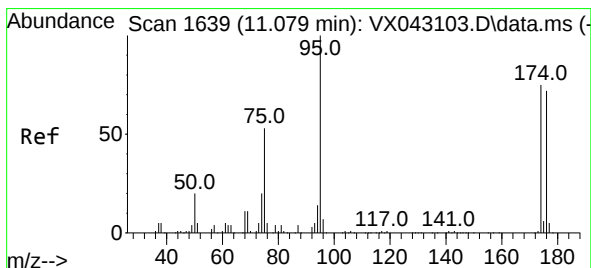
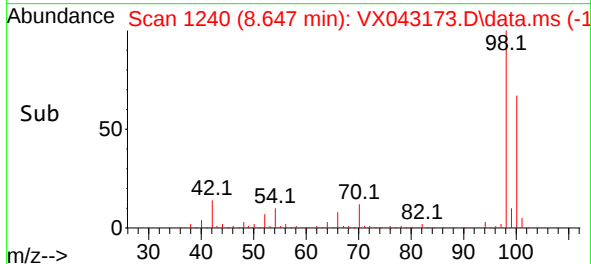
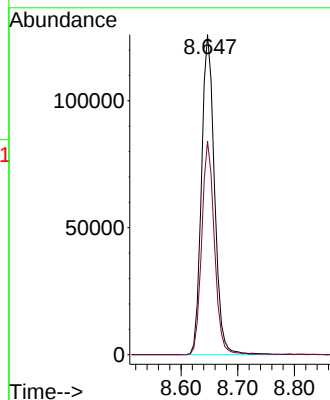
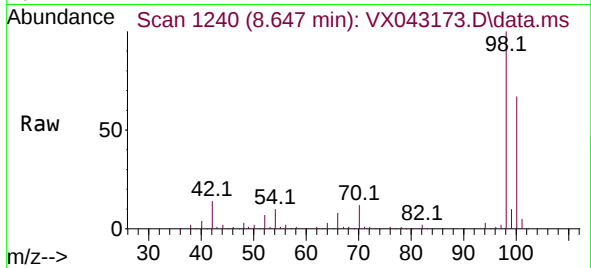




#50  
Toluene-d8  
Concen: 50.953 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX043173.D  
Acq: 26 Sep 2024 13:15

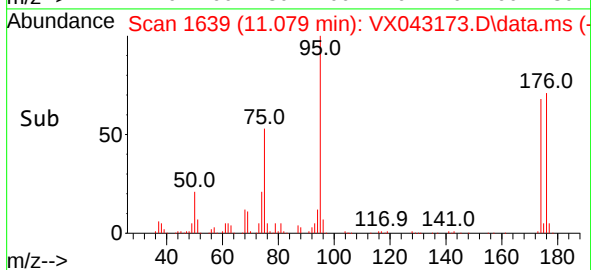
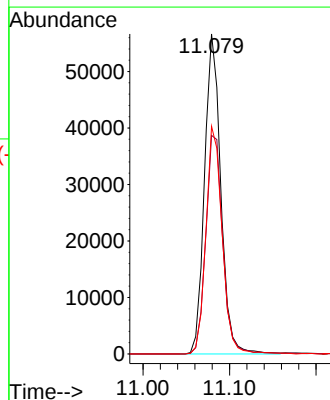
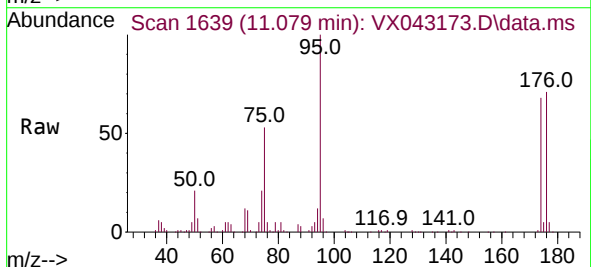
Instrument :  
MSVOA\_X  
ClientSampleId :

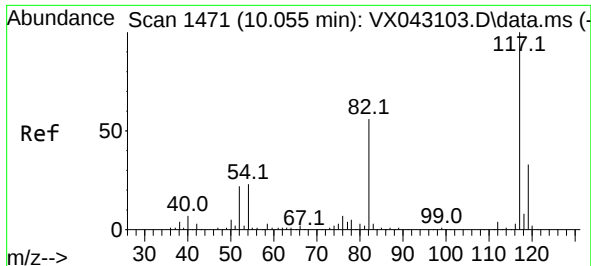
Tgt Ion: 98 Resp: 200892  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 46.509 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043173.D  
Acq: 26 Sep 2024 13:15

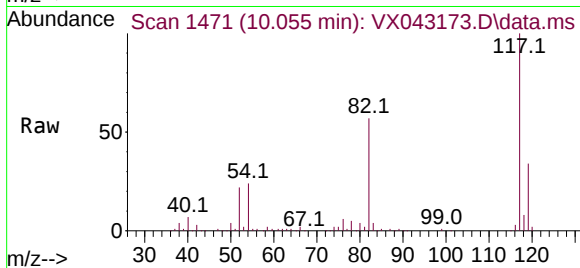
Tgt Ion: 95 Resp: 73845  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 146.0  
176 71.2 0.0 142.6



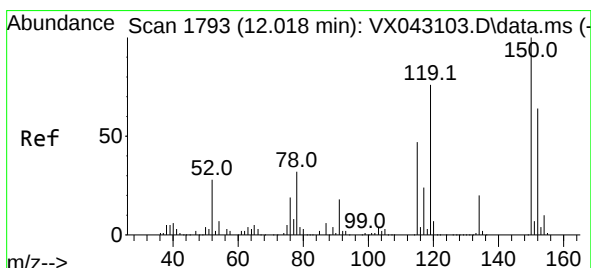
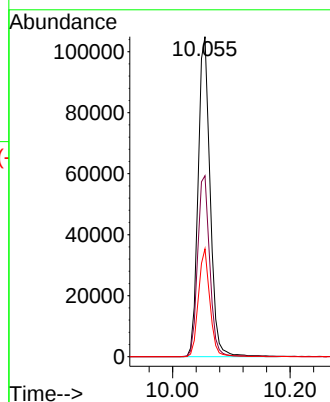
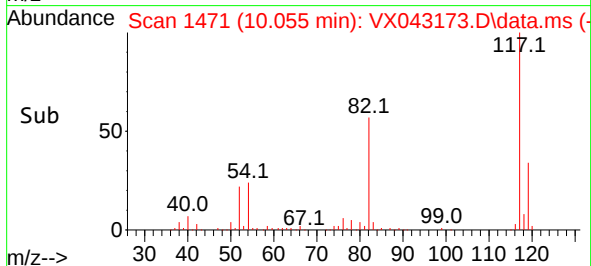


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX043173.D  
Acq: 26 Sep 2024 13:15

Instrument :  
MSVOA\_X  
ClientSampleId :

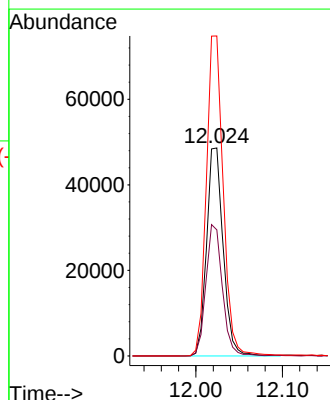
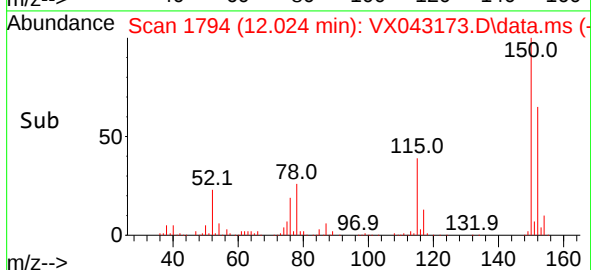
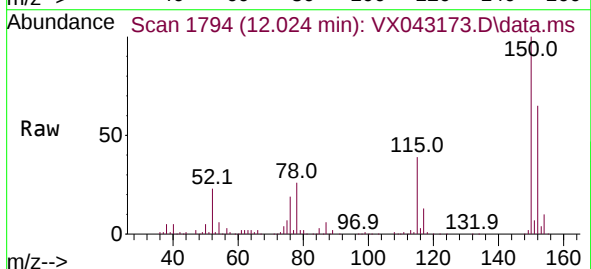


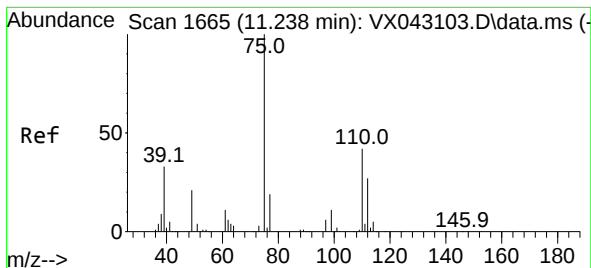
Tgt Ion:117 Resp: 149141  
Ion Ratio Lower Upper  
117 100  
82 56.6 44.7 67.1  
119 33.7 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX043173.D  
Acq: 26 Sep 2024 13:15

Tgt Ion:152 Resp: 64784  
Ion Ratio Lower Upper  
152 100  
115 62.5 43.7 131.1  
150 156.2 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 29.401 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043173.D

Acq: 26 Sep 2024 13:15

Instrument :

MSVOA\_X

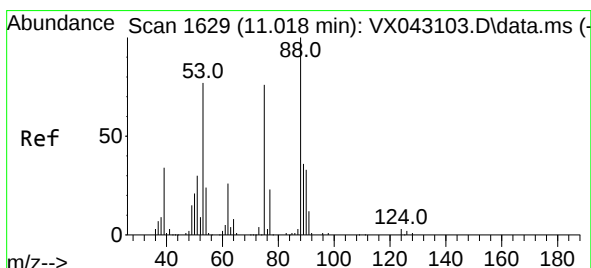
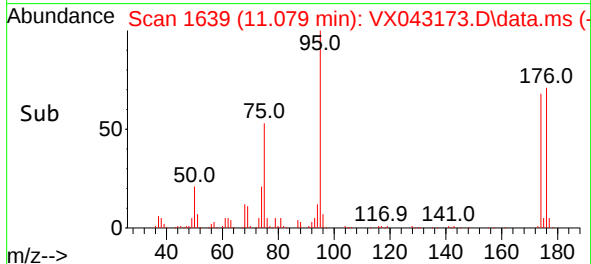
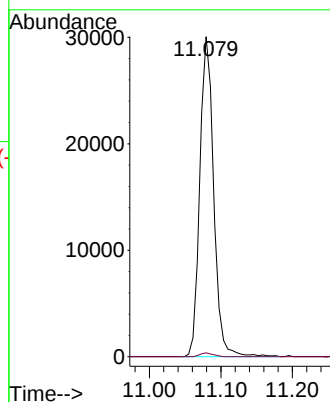
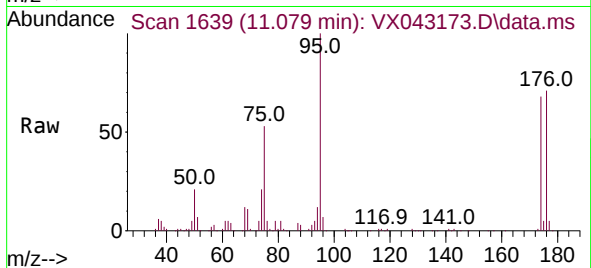
ClientSampleId :

Tgt Ion: 75 Resp: 40495

Ion Ratio Lower Upper

75 100

77 1.1 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.050 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043173.D

Acq: 26 Sep 2024 13:15

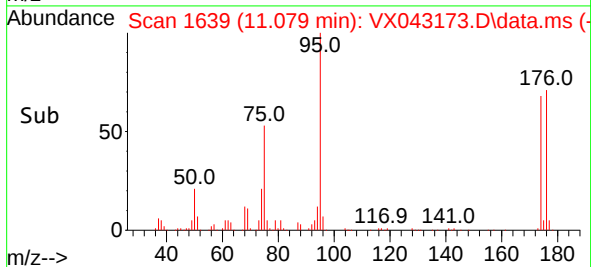
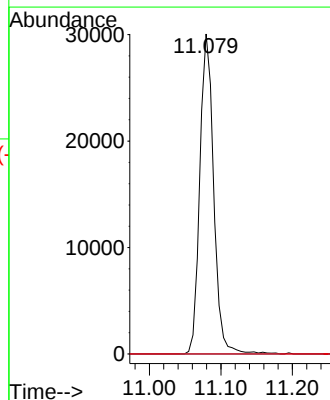
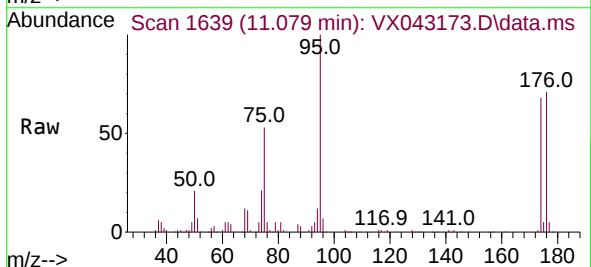
Tgt Ion: 75 Resp: 40495

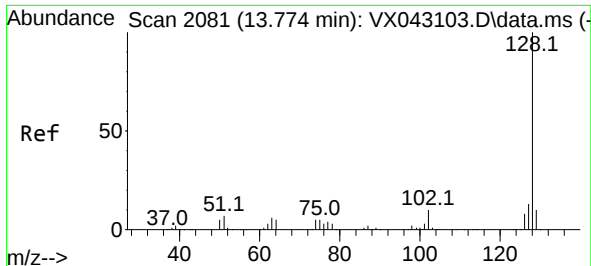
Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.2#

89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 0.255 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.012 min

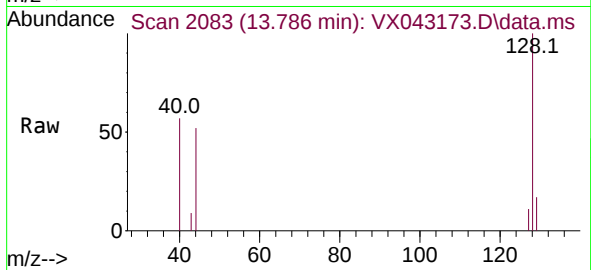
Lab File: VX043173.D

Acq: 26 Sep 2024 13:15

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:128 Resp: 1150

Ion Ratio Lower Upper

128 100

127 4.3 10.2 15.4#

129 5.6 8.6 13.0#

