

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092823\  
 Data File : VX037943.D  
 Acq On : 28 Sep 2023 11:43  
 Operator : JC/MD  
 Sample : VX0928WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 29 05:46:37 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

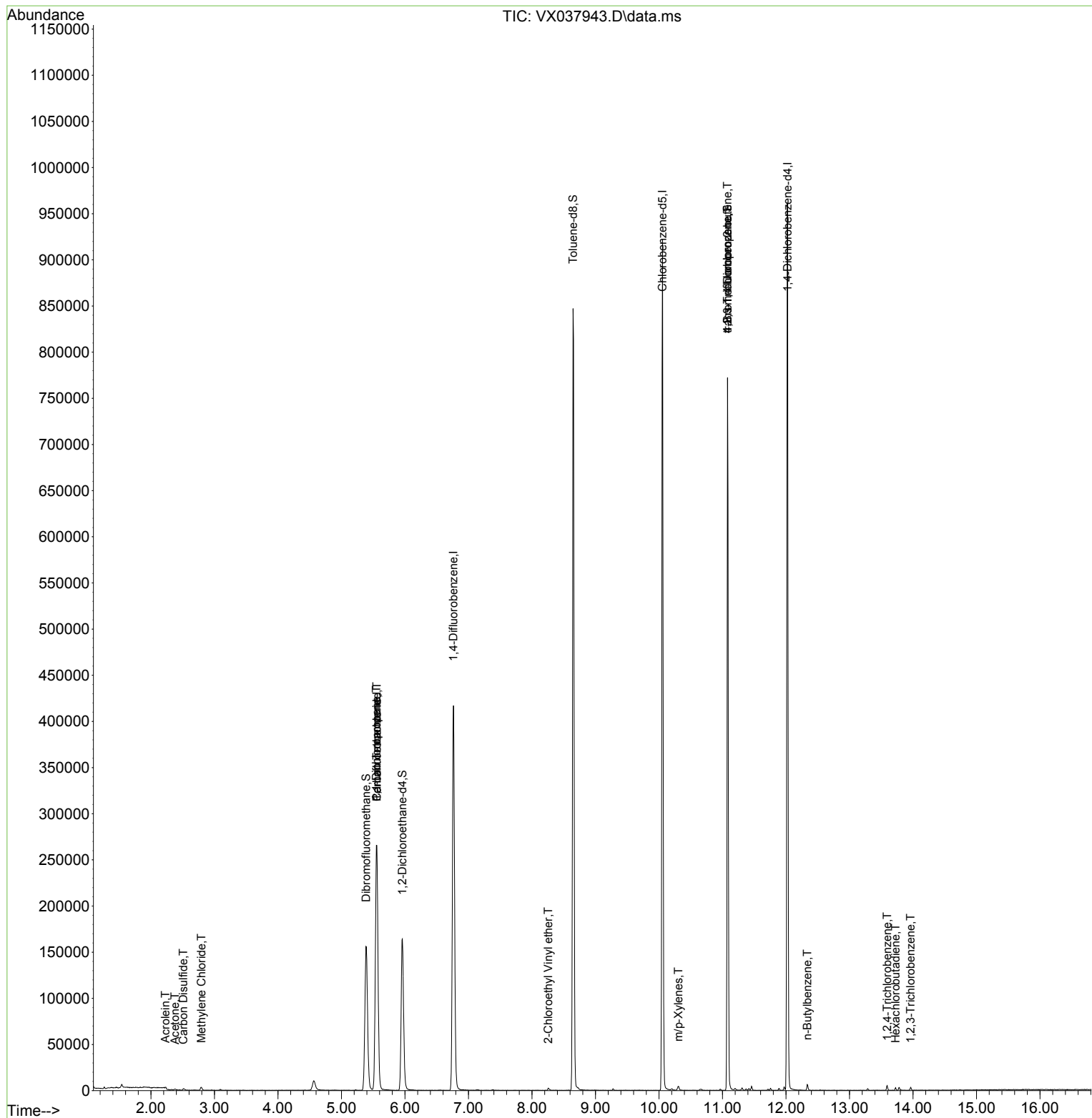
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 261914   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 441123   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 414975   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 213213   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 158152   | 45.959   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =     | 91.920%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 138336   | 46.869   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =     | 93.740%  |
| 50) Toluene-d8                | 8.647  | 98    | 524248   | 47.803   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =     | 95.600%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 198267   | 49.751   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =     | 99.500%  |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 13) Acrolein                  | 2.227  | 56    | 243      | 0.333    | ug/l  | # 66     |
| 16) Acetone                   | 2.380  | 43    | 1103     | 0.666    | ug/l  | 94       |
| 17) Carbon Disulfide          | 2.508  | 76    | 1489     | 0.232    | ug/l  | 100      |
| 20) Methylene Chloride        | 2.794  | 84    | 1606     | 0.500    | ug/l  | # 85     |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 19363    | 4.762    | ug/l  | # 52     |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 26321    | 6.187    | ug/l  | # 15     |
| 58) 2-Chloroethyl Vinyl ether | 8.257  | 63    | 1002     | 0.423    | ug/l  | 95       |
| 68) m/p-Xylenes               | 10.305 | 106   | 1299     | 0.217    | ug/l  | 89       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 99250    | 20.126   | ug/l  | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 99250    | 64.471   | ug/l  | # 5      |
| 89) n-Butylbenzene            | 12.335 | 91    | 2543     | 0.215    | ug/l  | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 1557     | 0.359    | ug/l  | 89       |
| 94) Hexachlorobutadiene       | 13.725 | 225   | 516      | 0.255    | ug/l  | 96       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 969      | 0.217    | ug/l  | 95       |
| -----                         |        |       |          |          |       |          |

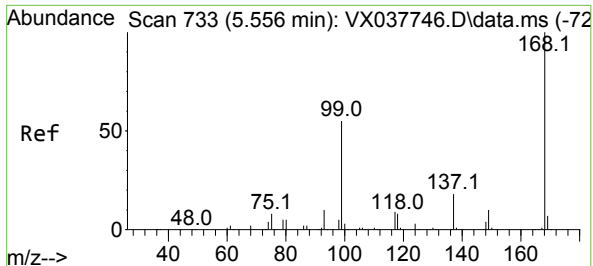
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092823\  
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Sample : VX0928WBL02  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Sep 29 05:46:37 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:55:44 2023  
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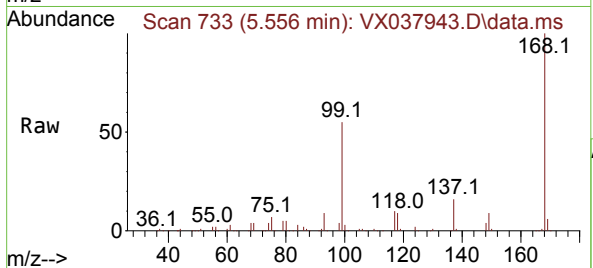


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

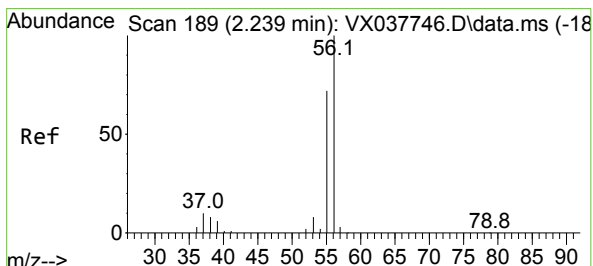
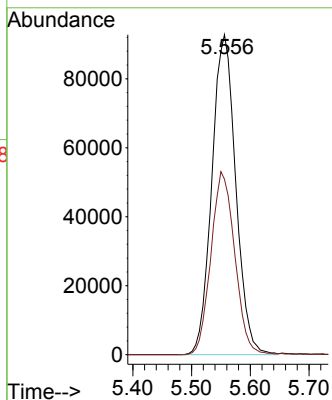
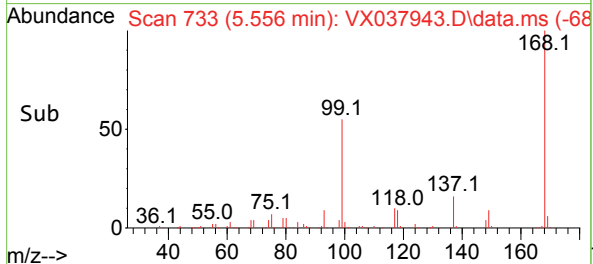
Instrument :

MSVOA\_X

ClientSampleId :

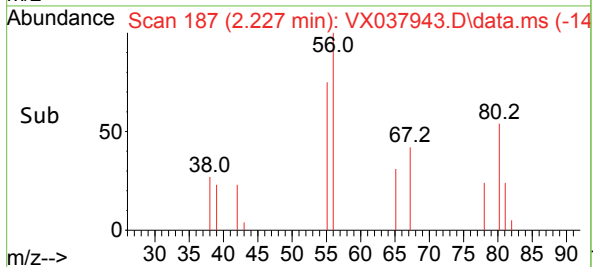
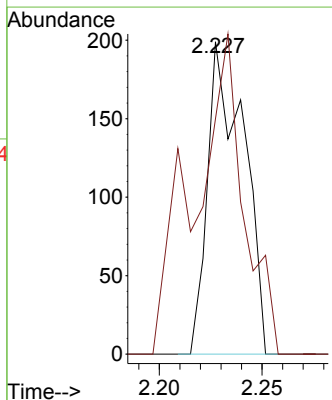
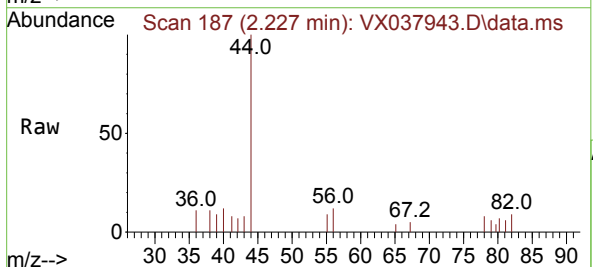


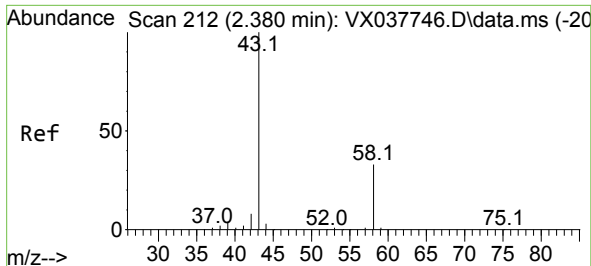
Tgt Ion:168 Resp: 261914  
Ion Ratio Lower Upper  
168 100  
99 54.8 56.6 85.0#



#13  
Acrolein  
Concen: 0.333 ug/l  
RT: 2.227 min Scan# 187  
Delta R.T. -0.012 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

Tgt Ion: 56 Resp: 243  
Ion Ratio Lower Upper  
56 100  
55 99.6 57.1 85.7#

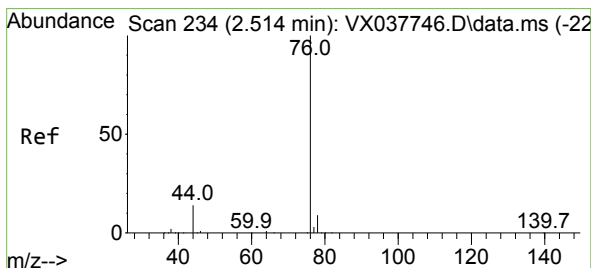
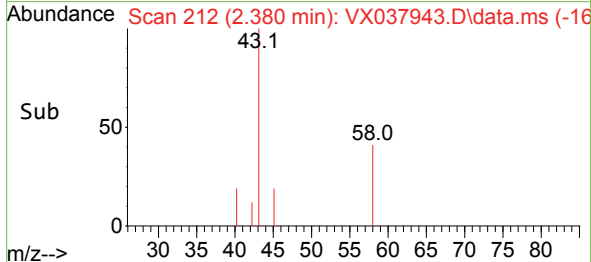
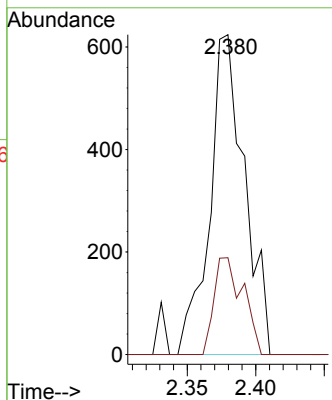
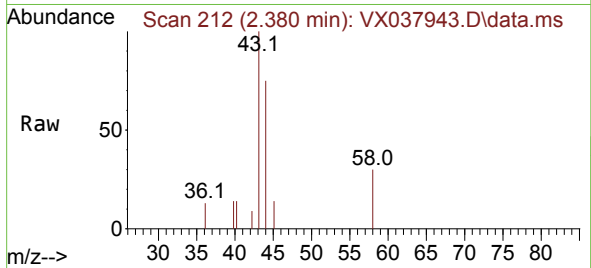




#16  
Acetone  
Concen: 0.666 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

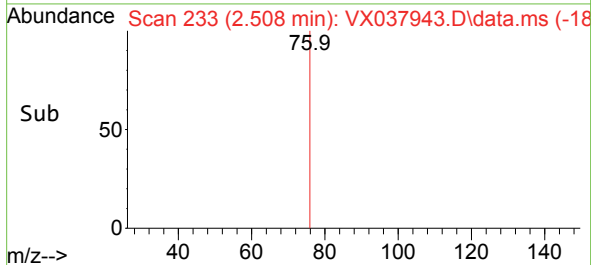
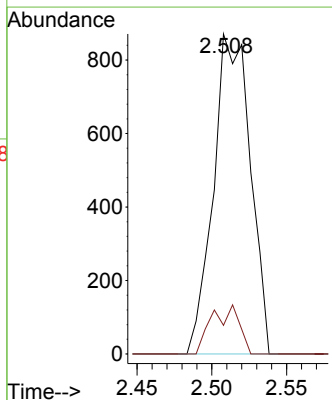
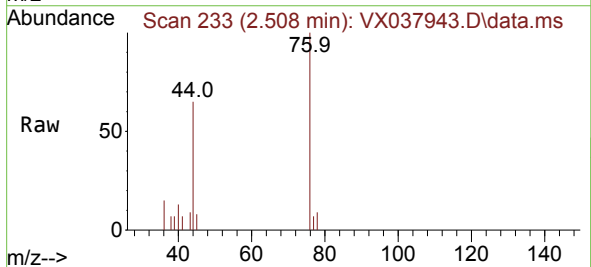
Instrument :  
MSVOA\_X  
ClientSampleId :

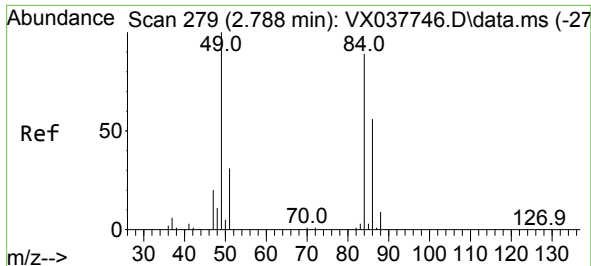
Tgt Ion: 43 Resp: 1103  
Ion Ratio Lower Upper  
43 100  
58 30.3 21.9 32.9



#17  
Carbon Disulfide  
Concen: 0.232 ug/l  
RT: 2.508 min Scan# 233  
Delta R.T. -0.006 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

Tgt Ion: 76 Resp: 1489  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.0 10.6





#20

Methylene Chloride

Concen: 0.500 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

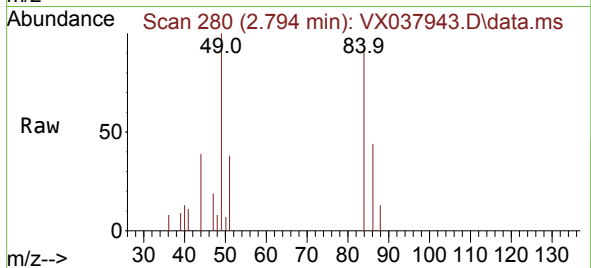
Lab File: VX037943.D

Acq: 28 Sep 2023 11:43

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion: 84 Resp: 1606

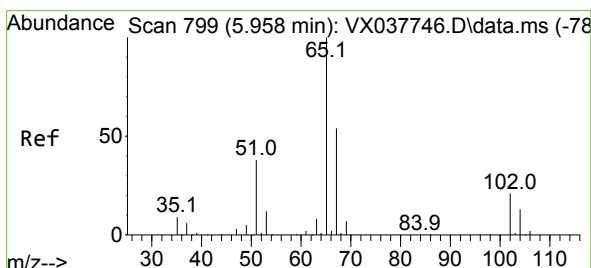
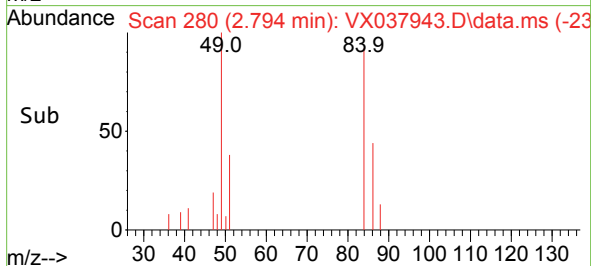
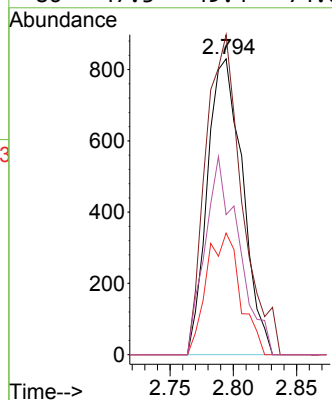
Ion Ratio Lower Upper

84 100

49 108.2 103.6 155.4

51 41.1 33.8 50.6

86 47.3 49.4 74.0#



#33

1,2-Dichloroethane-d4

Concen: 45.959 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037943.D

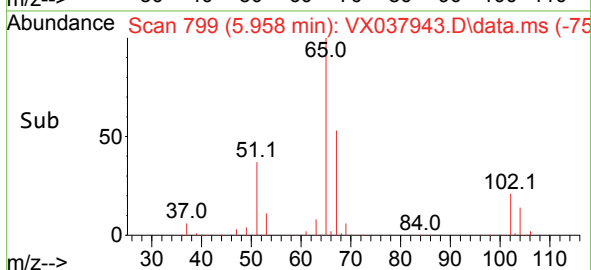
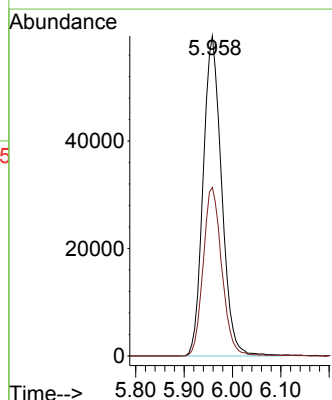
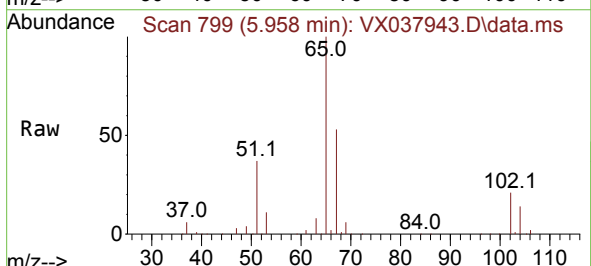
Acq: 28 Sep 2023 11:43

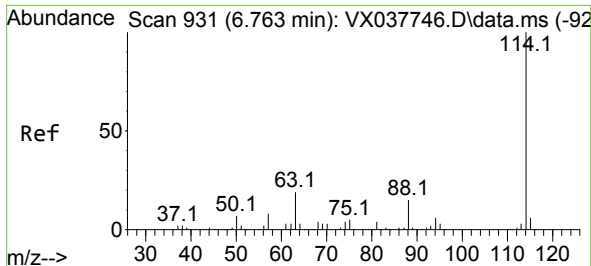
Tgt Ion: 65 Resp: 158152

Ion Ratio Lower Upper

65 100

67 53.1 0.0 100.2

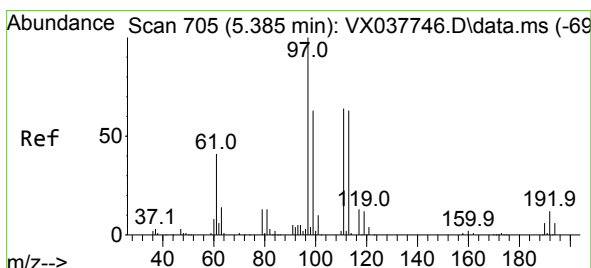
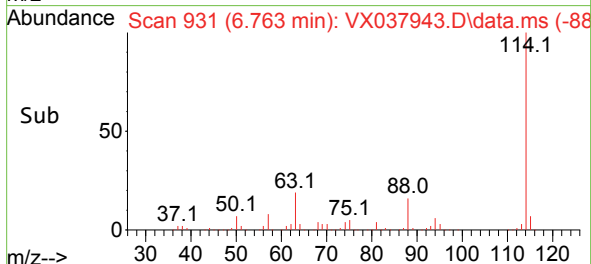
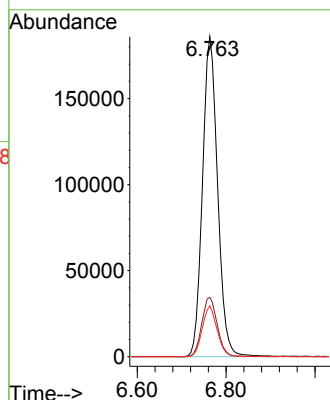
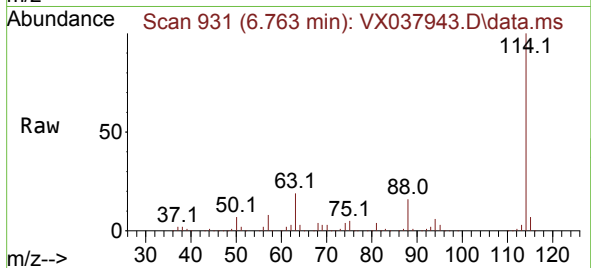




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

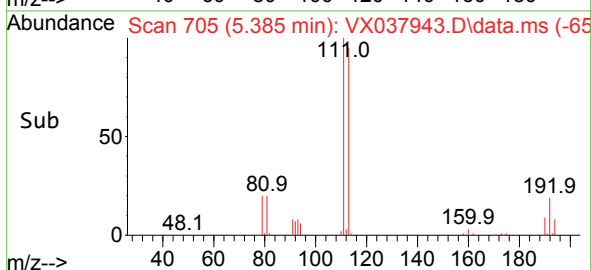
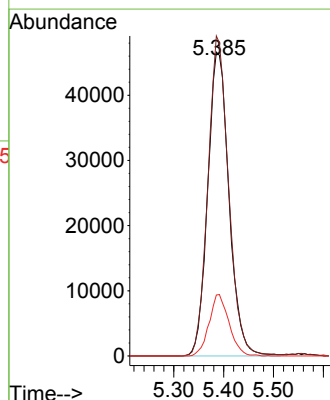
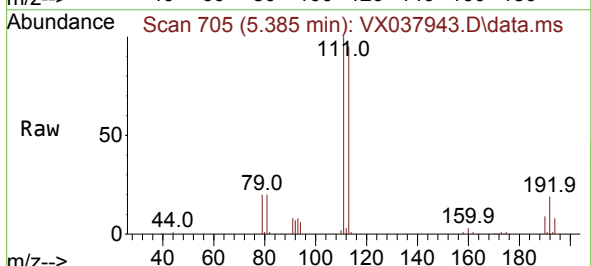
Instrument :  
MSVOA\_X  
ClientSampleId :

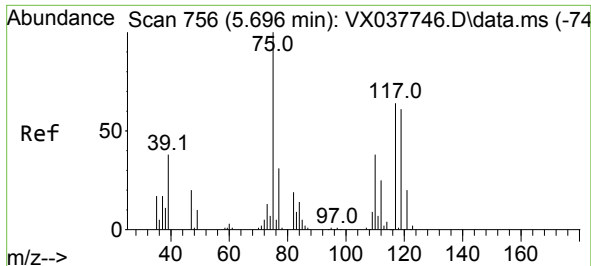
Tgt Ion:114 Resp: 441123  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 45.0  
88 15.9 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.869 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

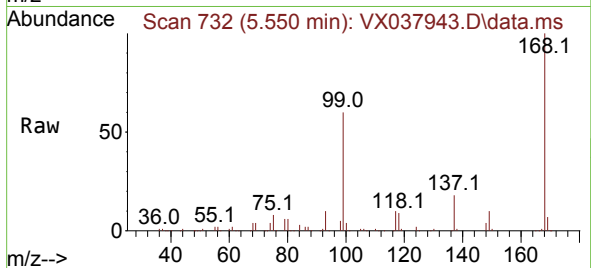
Tgt Ion:113 Resp: 138336  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.9 124.3  
192 19.0 13.3 19.9



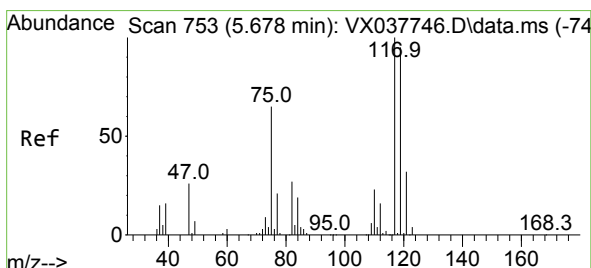
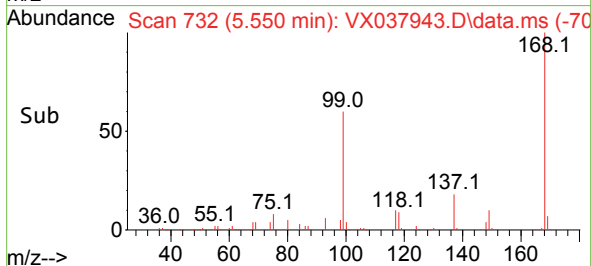
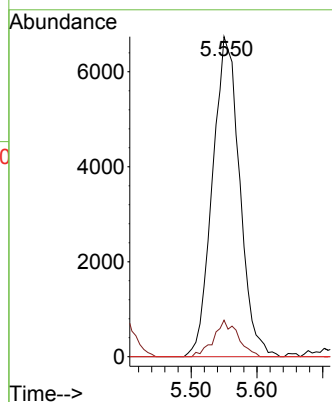


#36  
1,1-Dichloropropene  
Concen: 4.762 ug/l  
RT: 5.550 min Scan# 713  
Delta R.T. -0.146 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

Instrument :  
MSVOA\_X  
ClientSampleId :

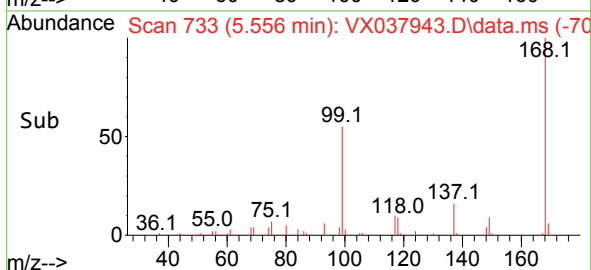
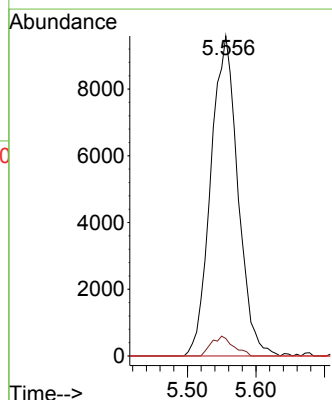
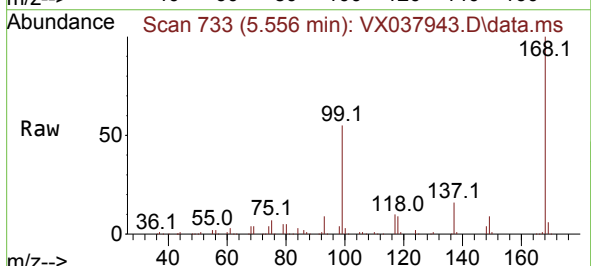


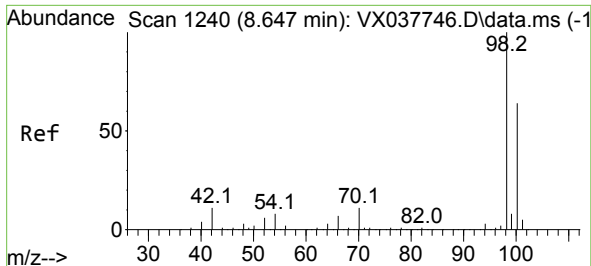
Tgt Ion: 75 Resp: 19363  
Ion Ratio Lower Upper  
75 100  
110 10.2 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.187 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

Tgt Ion: 117 Resp: 26321  
Ion Ratio Lower Upper  
117 100  
119 5.5 78.2 117.2#  
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 47.803 ug/l

RT: 8.647 min Scan# 1175

Delta R.T. 0.000 min

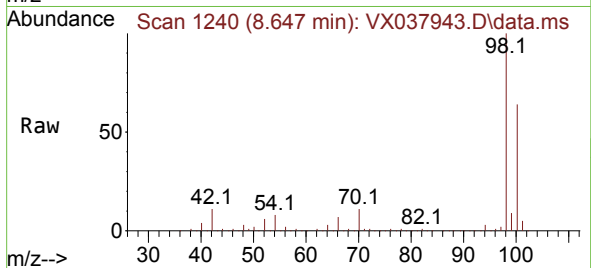
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Acq: 28 Sep 2023 11:43

Instrument :

MSVOA\_X

ClientSampleId :

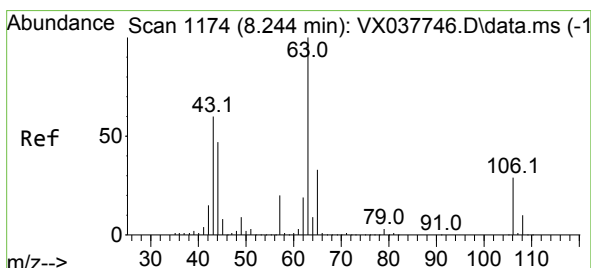
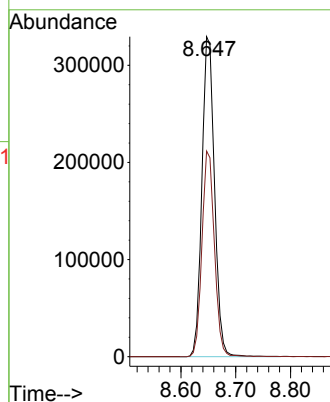
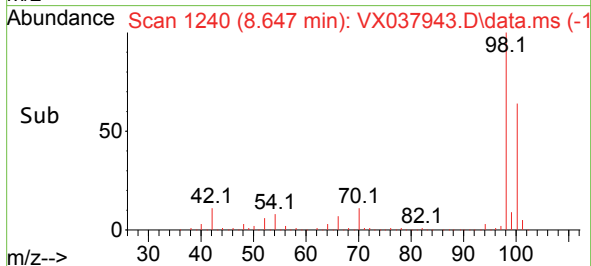


Tgt Ion: 98 Resp: 524248

Ion Ratio Lower Upper

98 100

100 63.7 53.1 79.7



#58

2-Chloroethyl Vinyl ether

Concen: 0.423 ug/l

RT: 8.257 min Scan# 1176

Delta R.T. 0.012 min

Lab File: VX037943.D

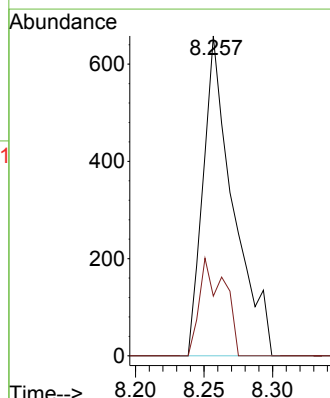
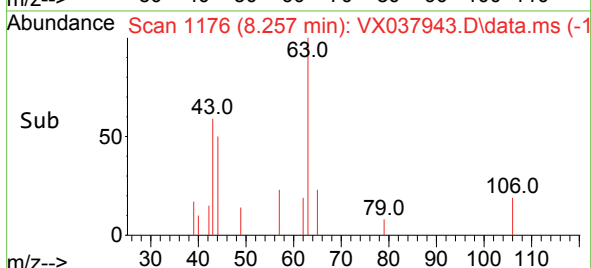
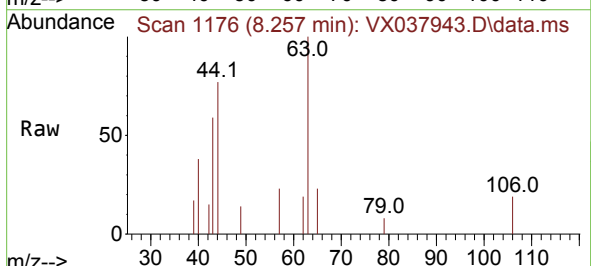
Acq: 28 Sep 2023 11:43

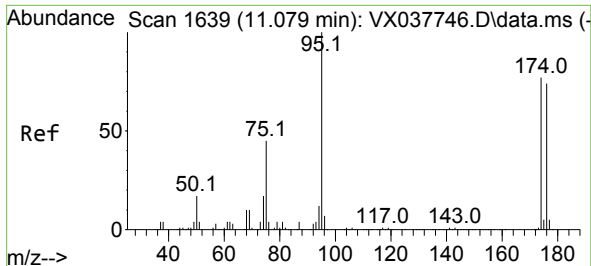
Tgt Ion: 63 Resp: 1002

Ion Ratio Lower Upper

63 100

106 25.2 22.5 33.7

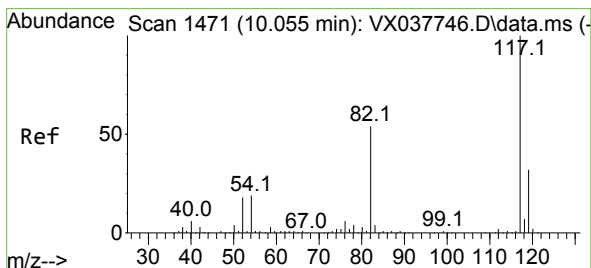
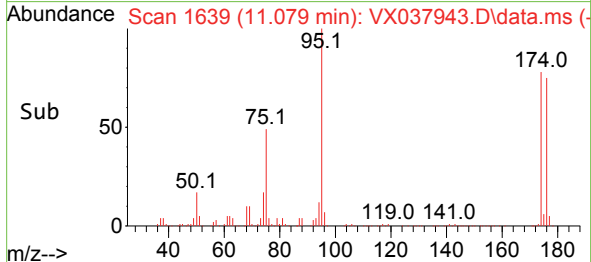
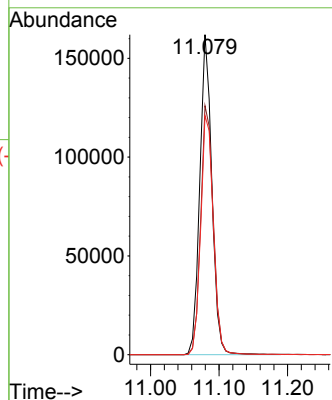
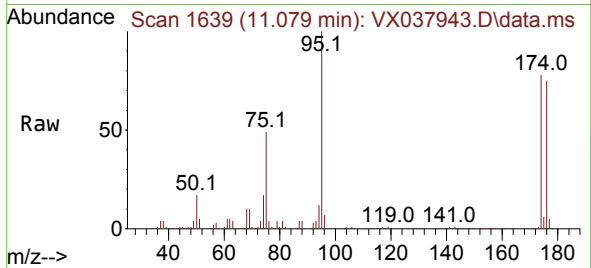




#62  
4-Bromofluorobenzene  
Concen: 49.751 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

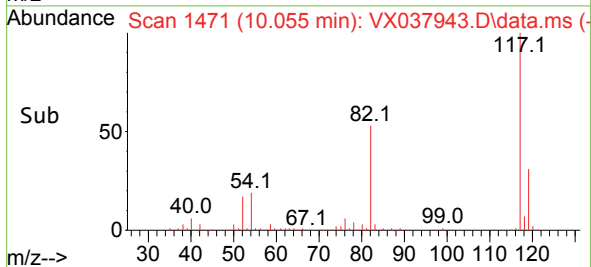
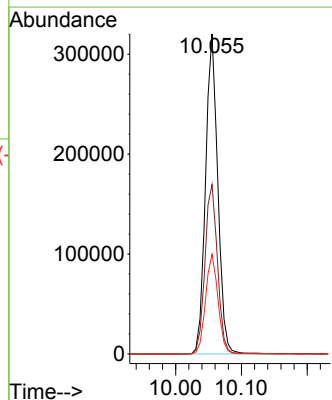
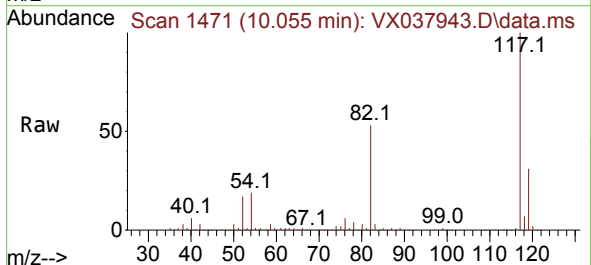
Instrument :  
MSVOA\_X  
ClientSampleId :

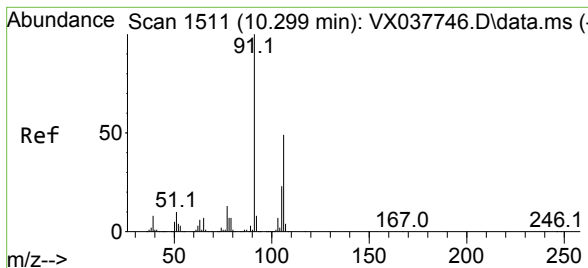
Tgt Ion: 95 Resp: 198267  
Ion Ratio Lower Upper  
95 100  
174 81.6 0.0 135.6  
176 78.8 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

Tgt Ion: 117 Resp: 414975  
Ion Ratio Lower Upper  
117 100  
82 53.0 46.2 69.4  
119 31.1 25.5 38.3

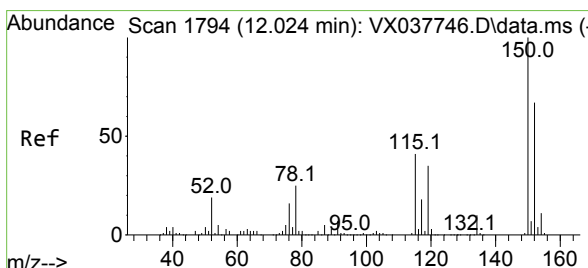
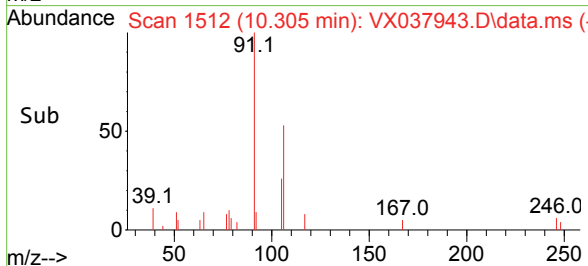
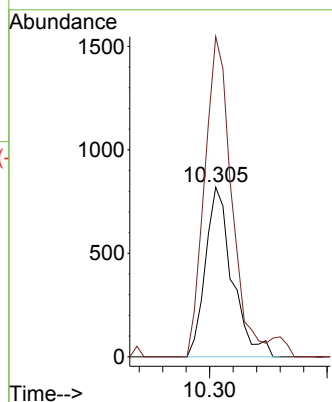
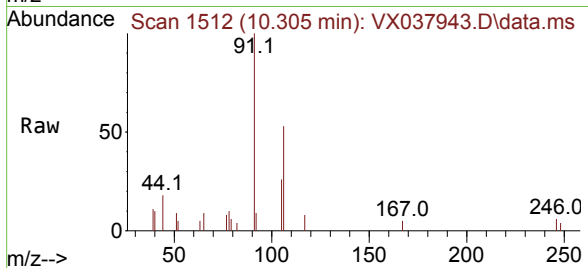




#68  
m/p-Xylenes  
Concen: 0.217 ug/l  
RT: 10.305 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

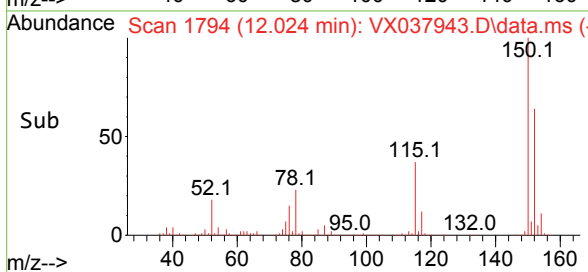
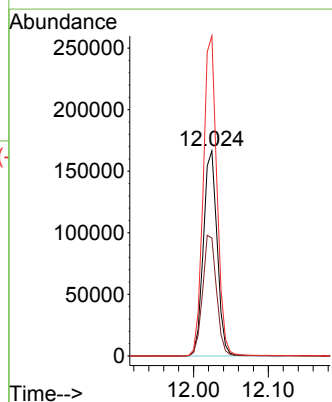
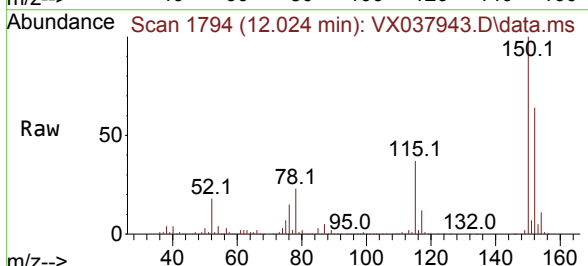
Instrument :  
MSVOA\_X  
ClientSampleId :

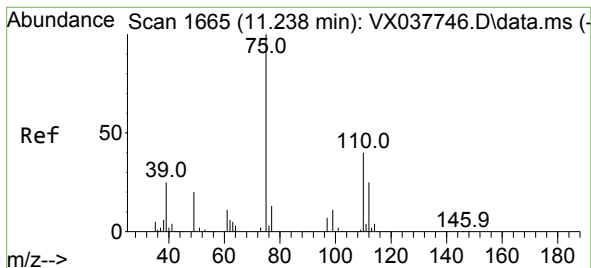
Tgt Ion:106 Resp: 1299  
Ion Ratio Lower Upper  
106 100  
91 189.8 165.5 248.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX037943.D  
Acq: 28 Sep 2023 11:43

Tgt Ion:152 Resp: 213213  
Ion Ratio Lower Upper  
152 100  
115 59.6 43.3 129.9  
150 155.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.126 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037943.D

Acq: 28 Sep 2023 11:43

Instrument :

MSVOA\_X

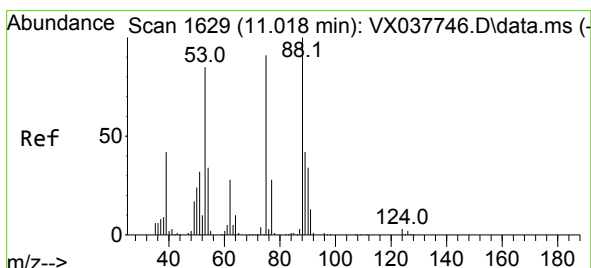
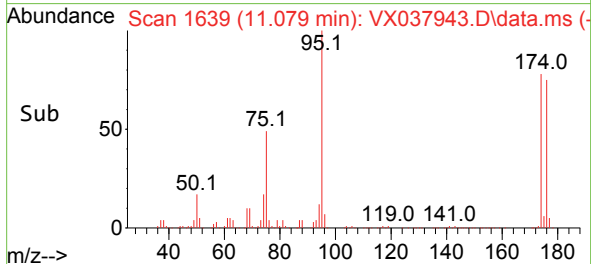
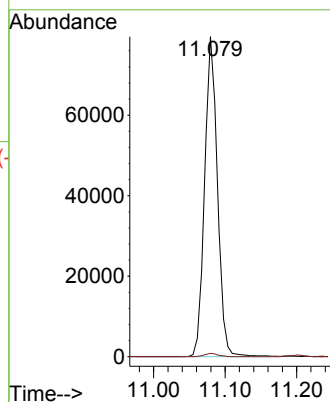
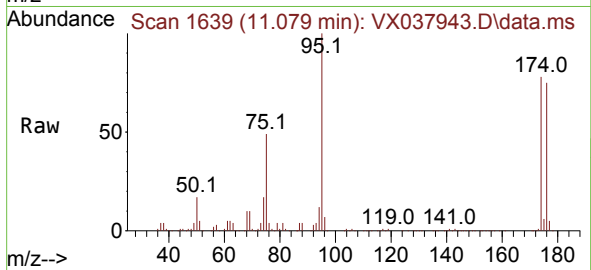
ClientSampleId :

Tgt Ion: 75 Resp: 99250

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.471 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037943.D

Acq: 28 Sep 2023 11:43

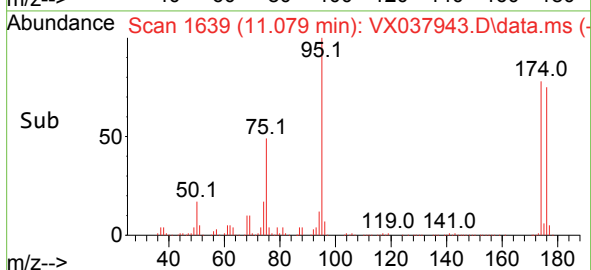
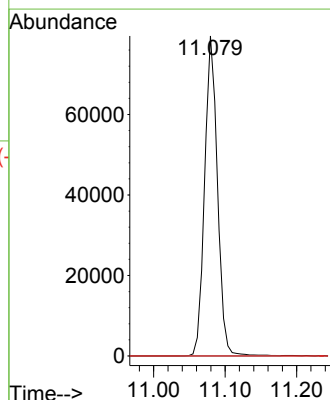
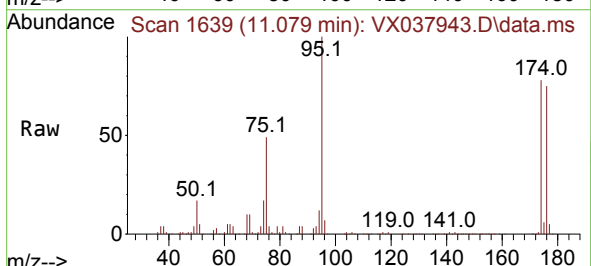
Tgt Ion: 75 Resp: 99250

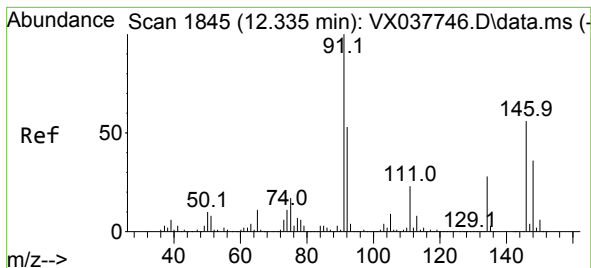
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.215 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX037943.D

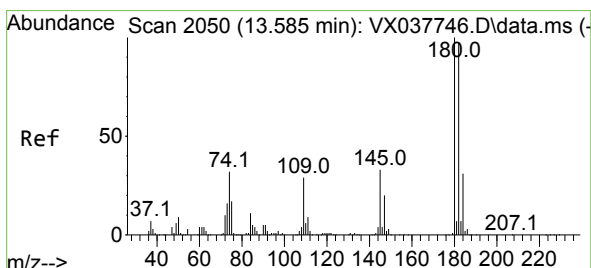
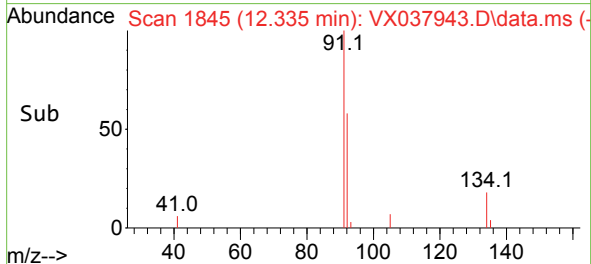
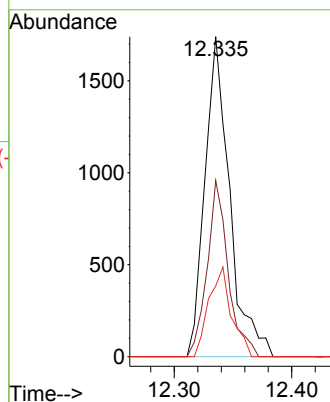
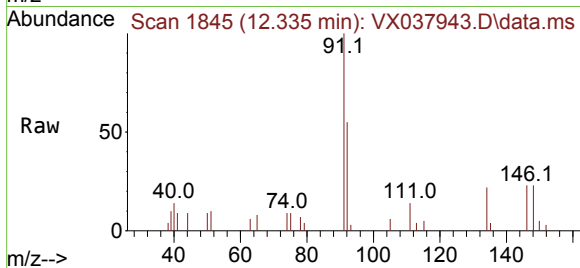
Acq: 28 Sep 2023 11:43

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 91 | Resp: | 2543      |
| Ion Ratio   | Lower | Upper     |
| 91          | 100   |           |
| 92          | 46.8  | 27.4 82.0 |
| 134         | 25.7  | 12.6 37.8 |



#93

1,2,4-Trichlorobenzene

Concen: 0.359 ug/l

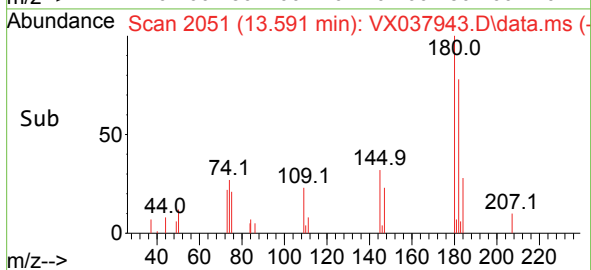
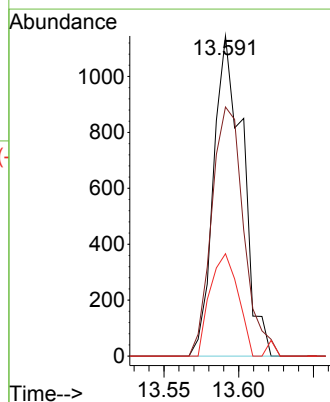
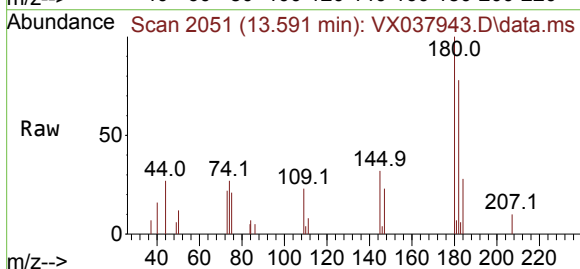
RT: 13.591 min Scan# 2051

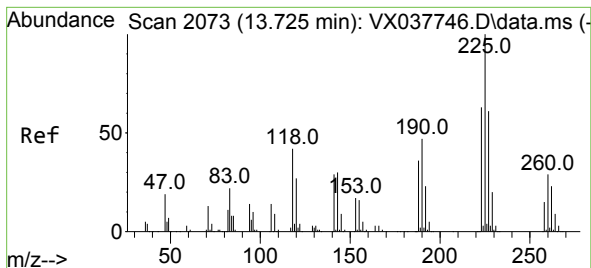
Delta R.T. 0.000 min

Lab File: VX037943.D

Acq: 28 Sep 2023 11:43

|              |       |            |
|--------------|-------|------------|
| Tgt Ion: 180 | Resp: | 1557       |
| Ion Ratio    | Lower | Upper      |
| 180          | 100   |            |
| 182          | 85.2  | 48.3 144.8 |
| 145          | 30.6  | 18.0 54.0  |





#94

Hexachlorobutadiene

Concen: 0.255 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037943.D

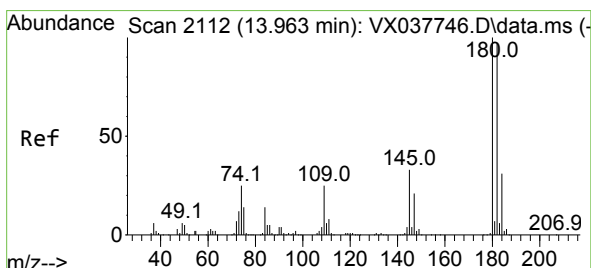
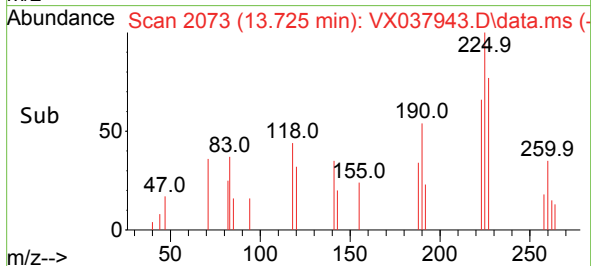
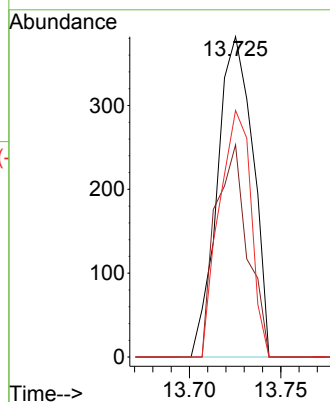
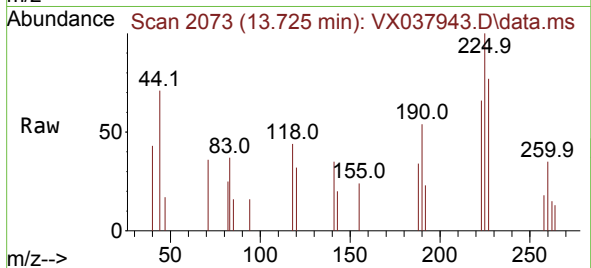
Acq: 28 Sep 2023 11:43

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 516       |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 59.9  | 31.1 93.2 |
| 227         | 69.0  | 32.5 97.5 |



#96

1,2,3-Trichlorobenzene

Concen: 0.217 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX037943.D

Acq: 28 Sep 2023 11:43

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 969        |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 100.7 | 46.9 140.6 |
| 145         | 35.8  | 17.8 53.5  |

