

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX123124\  
 Data File : VX044573.D  
 Acq On : 31 Dec 2024 12:14  
 Operator : JC/MD  
 Sample : P5376-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-07-20241218

Quant Time: Jan 01 01:39:23 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

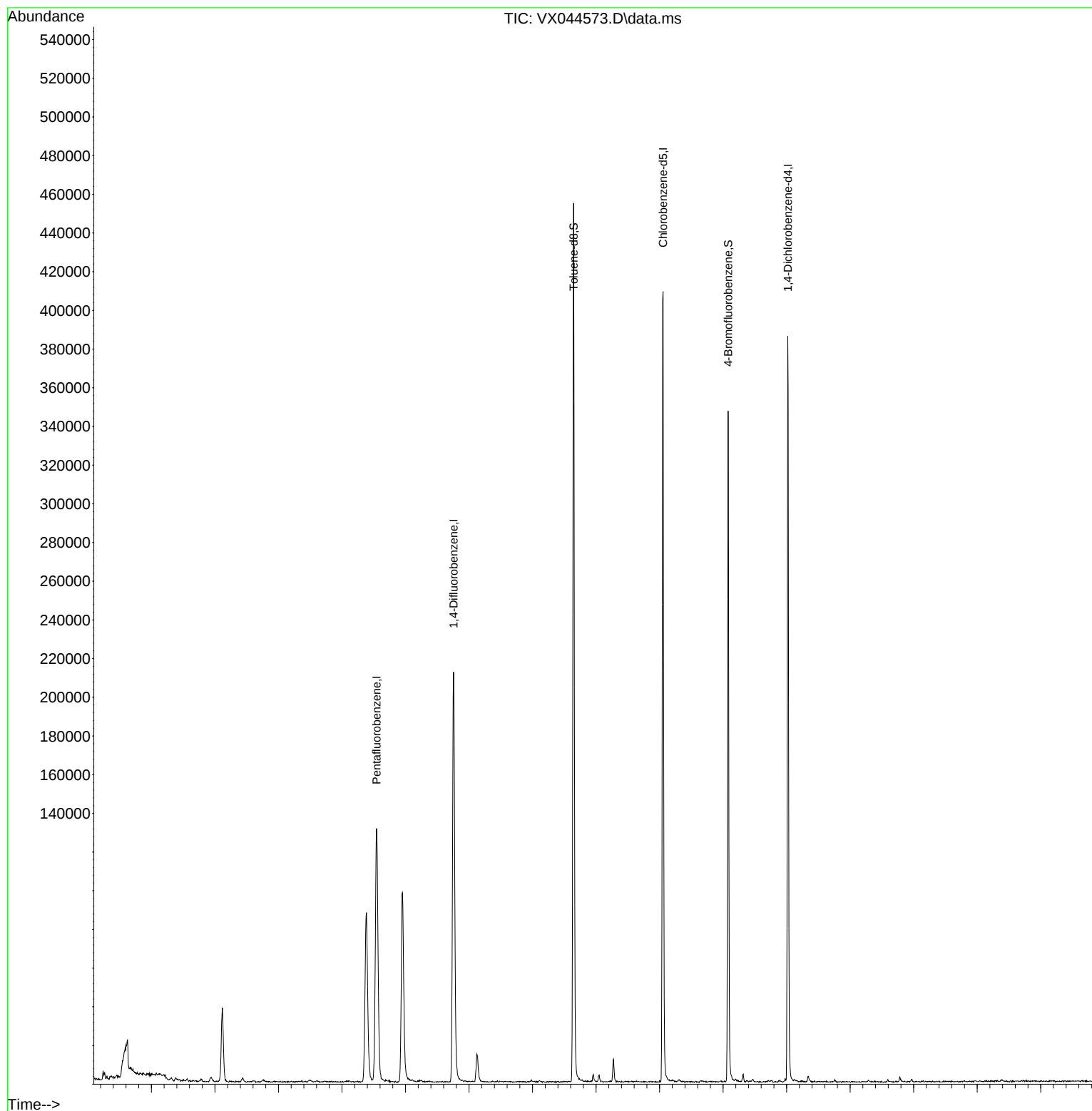
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.544          | 168  | 126196     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 215542     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 190830     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018         | 152  | 83236      | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 94227      | 42.586   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 85.180%  |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 74374      | 49.821   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 99.640%  |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 266792     | 52.973   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 105.940% |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 87911      | 49.954   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 99.900%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
| 16) Acetone                 | 2.386          | 43   | 1493       | 1.655    | ug/l # | 83       |
| 19) Methyl tert-butyl Ether | 3.117          | 73   | 41720      | 7.558    | ug/l   | 100      |
| 44) Trichloroethene         | 7.123          | 130  | 6087       | 4.166    | ug/l   | 95       |
| 64) Tetrachloroethene       | 9.275          | 164  | 1489       | 1.176    | ug/l   | 96       |
| -----                       |                |      |            |          |        |          |

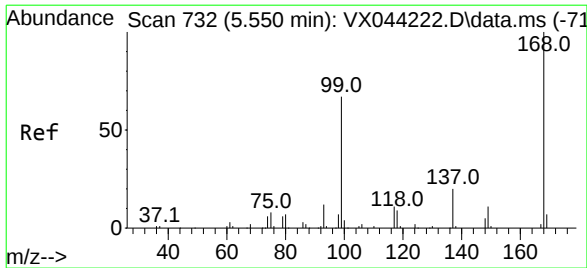
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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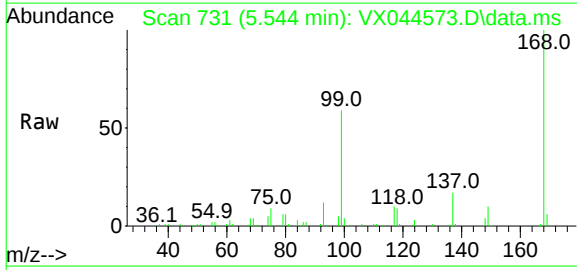
Quant Time: Jan 01 01:39:23 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
Response via : Initial Calibration



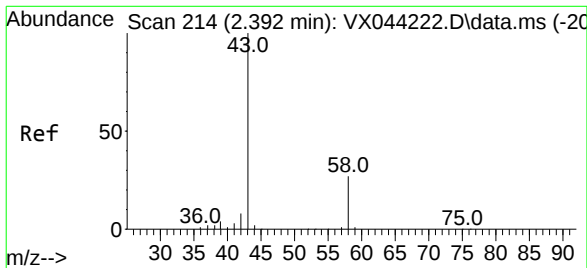
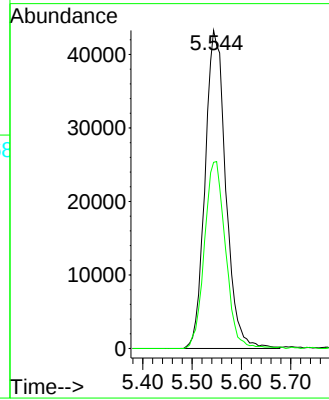
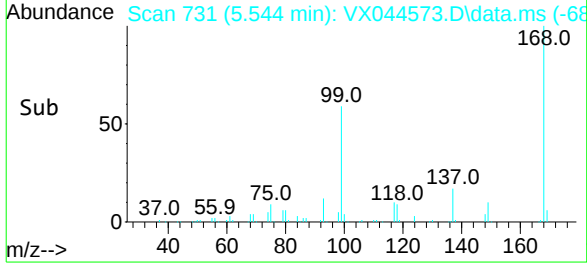


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.006 min  
Lab File: VX044573.D  
Acq: 31 Dec 2024 12:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-07-20241218

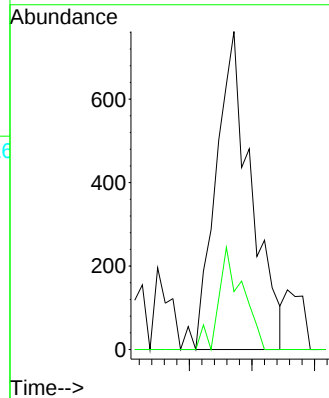
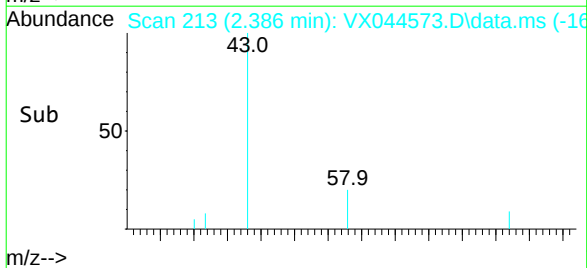
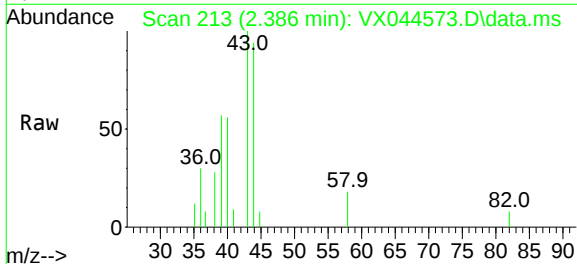


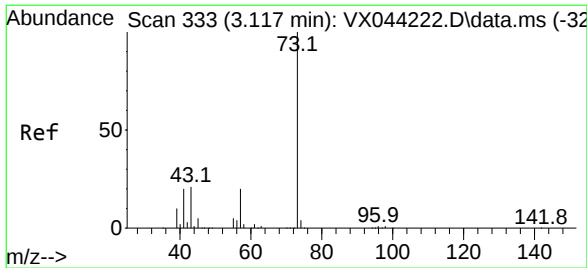
Tgt Ion:168 Resp: 126196  
Ion Ratio Lower Upper  
168 100  
99 58.5 53.4 80.0



#16  
Acetone  
Concen: 1.655 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX044573.D  
Acq: 31 Dec 2024 12:14

Tgt Ion: 43 Resp: 1493  
Ion Ratio Lower Upper  
43 100  
58 18.2 21.6 32.4#

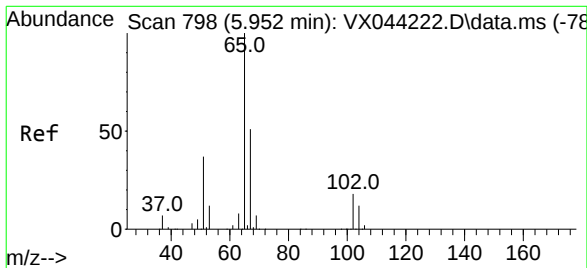
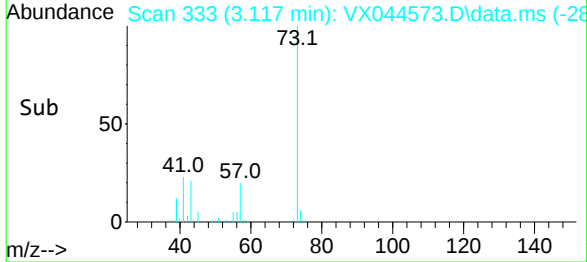
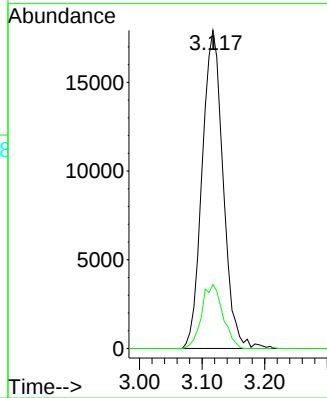
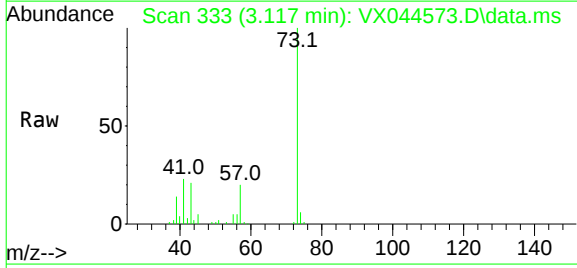




#19  
Methyl tert-butyl Ether  
Concen: 7.558 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. -0.000 min  
Lab File: VX044573.D  
Acq: 31 Dec 2024 12:14

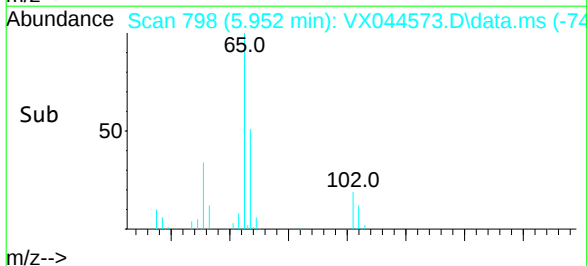
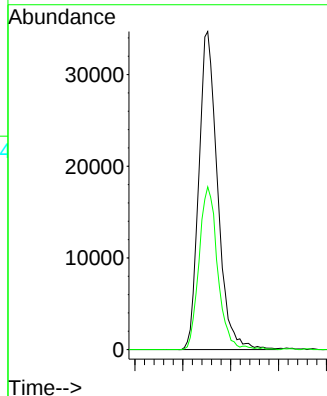
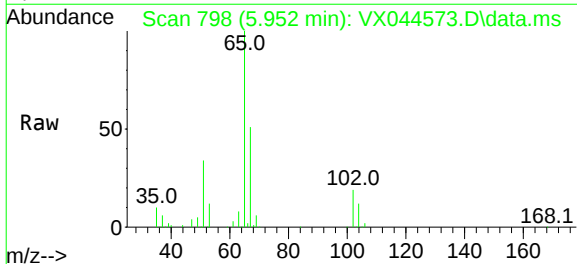
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-07-20241218

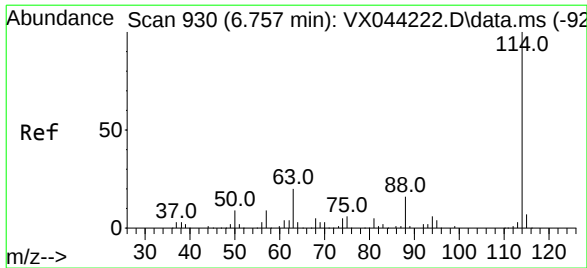
Tgt Ion: 73 Resp: 41720  
Ion Ratio Lower Upper  
73 100  
57 20.1 16.2 24.4



#33  
1,2-Dichloroethane-d4  
Concen: 42.586 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX044573.D  
Acq: 31 Dec 2024 12:14

Tgt Ion: 65 Resp: 94227  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 101.6

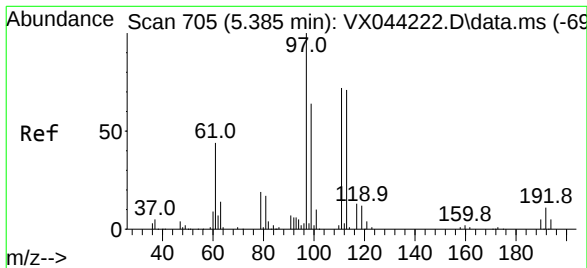
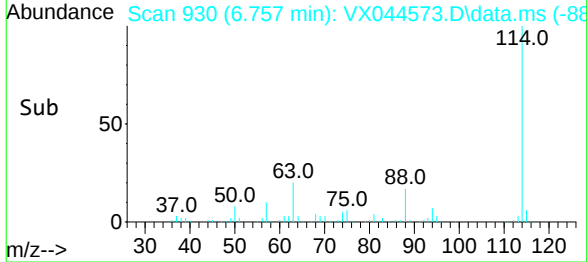
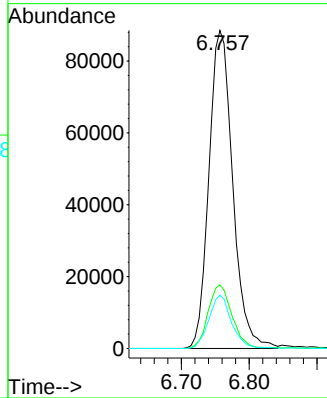
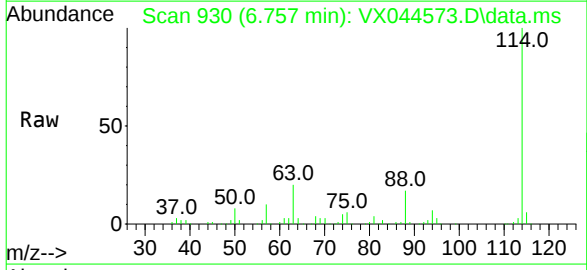




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX044573.D  
Acq: 31 Dec 2024 12:14

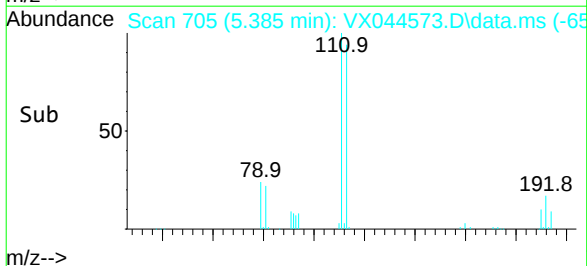
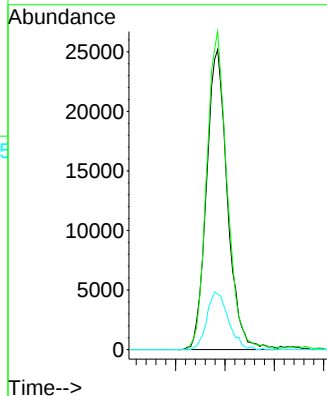
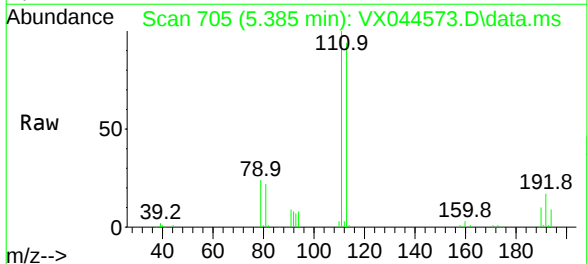
Instrument :  
MSVOA\_X  
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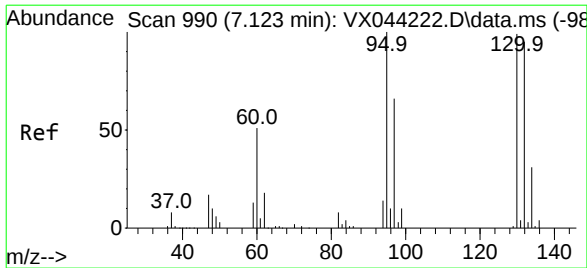
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 215542 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 20.0  | 0.0   | 40.6   |
| 88       | 16.8  | 0.0   | 31.8   |



#35  
Dibromofluoromethane  
Concen: 49.821 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX044573.D  
Acq: 31 Dec 2024 12:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 74374 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.9 | 80.4  | 120.6 |
| 192      | 19.6  | 13.3  | 19.9  |





#44

Trichloroethene

Concen: 4.166 ug/l

RT: 7.123 min Scan# 99

Delta R.T. -0.000 min

Lab File: VX044573.D

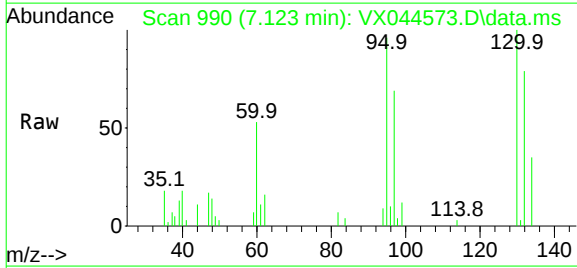
Acq: 31 Dec 2024 12:14

Instrument :

MSVOA\_X

ClientSampleId :

DUP-07-20241218

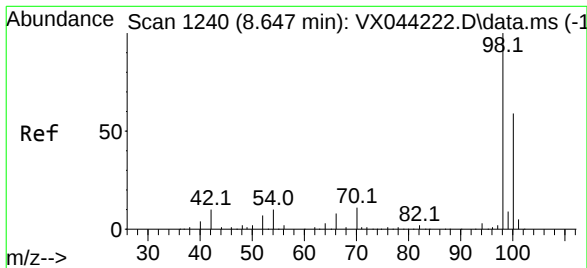
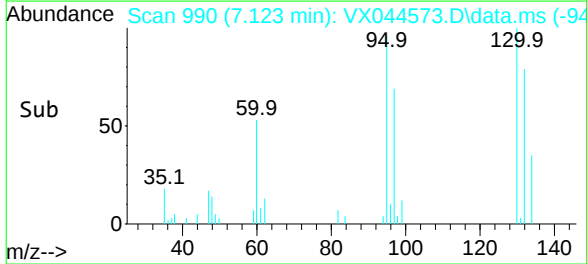
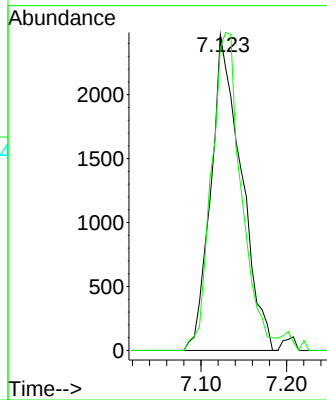


Tgt Ion:130 Resp: 6087

Ion Ratio Lower Upper

130 100

95 95.8 0.0 201.4



#50

Toluene-d8

Concen: 52.973 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044573.D

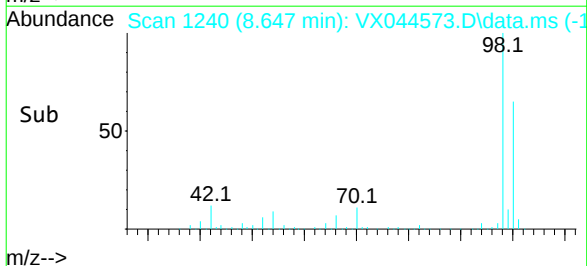
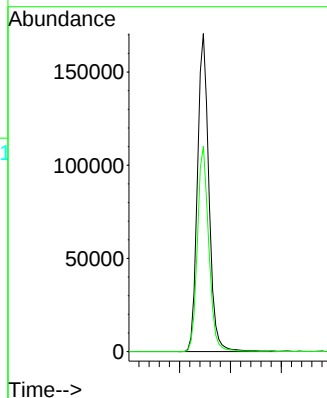
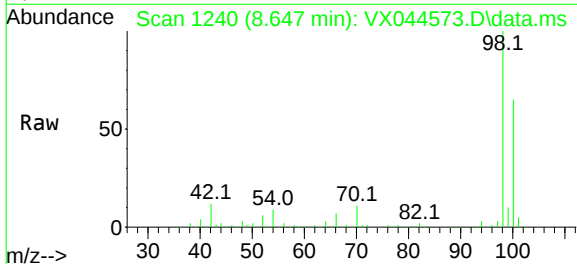
Acq: 31 Dec 2024 12:14

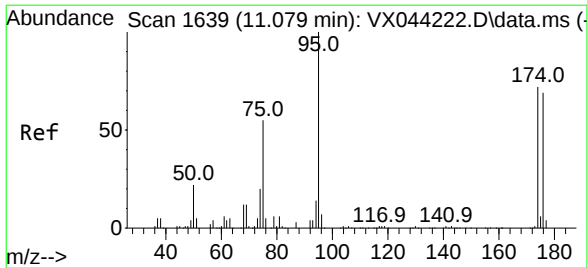
Tgt Ion: 98 Resp: 266792

Ion Ratio Lower Upper

98 100

100 64.0 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 49.954 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044573.D

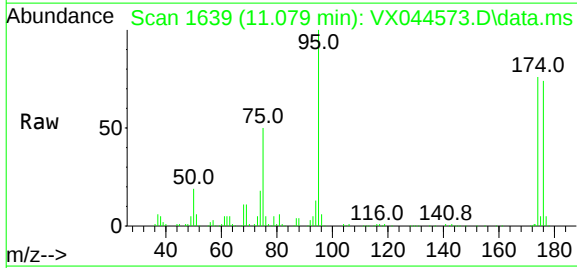
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Instrument :

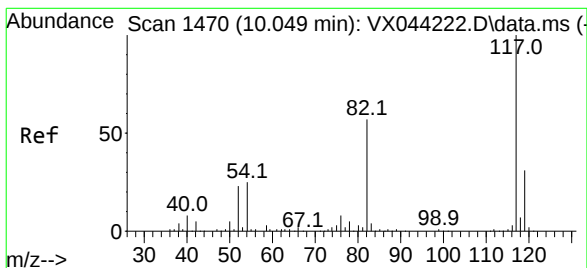
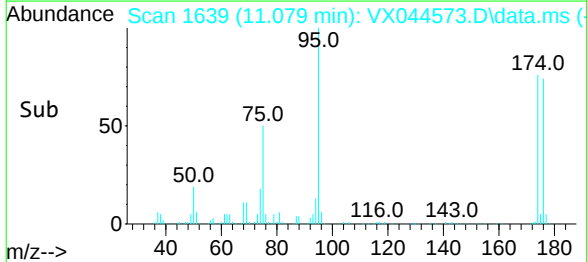
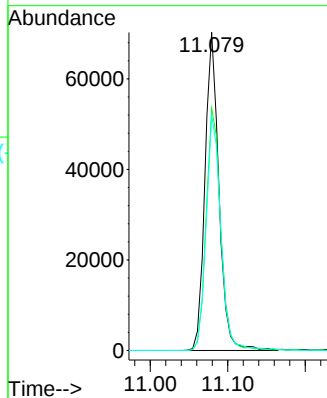
MSVOA\_X

ClientSampleId :

DUP-07-20241218



| Tgt Ion:  | 95   | Resp: | 87911 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 174       | 79.9 | 0.0   | 145.8 |
| 176       | 77.7 | 0.0   | 137.8 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

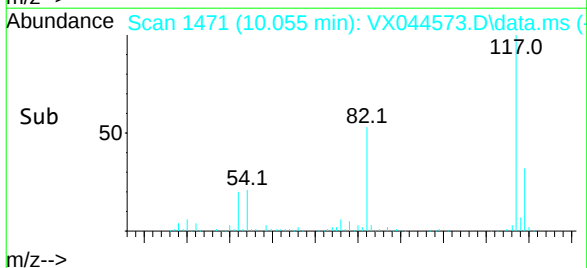
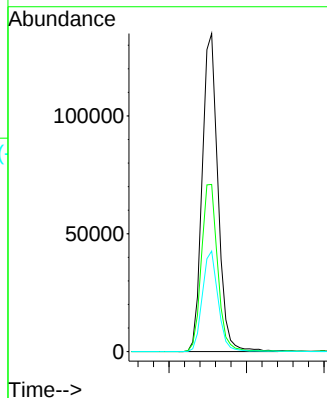
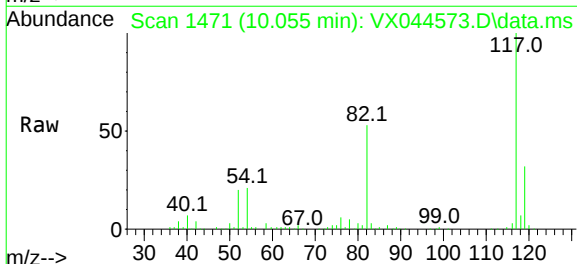
RT: 10.055 min Scan# 1471

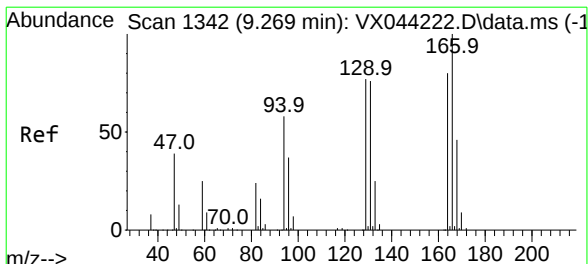
Delta R.T. 0.006 min

Lab File: VX044573.D

Acq: 31 Dec 2024 12:14

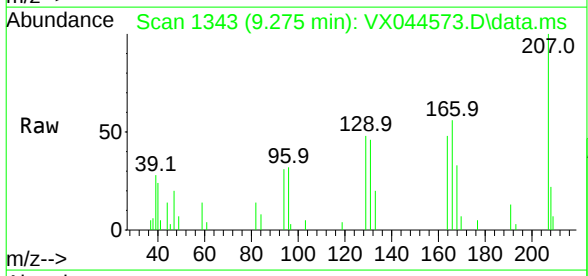
| Tgt Ion:  | 117  | Resp: | 190830 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 82        | 52.6 | 45.8  | 68.8   |
| 119       | 31.6 | 25.0  | 37.4   |





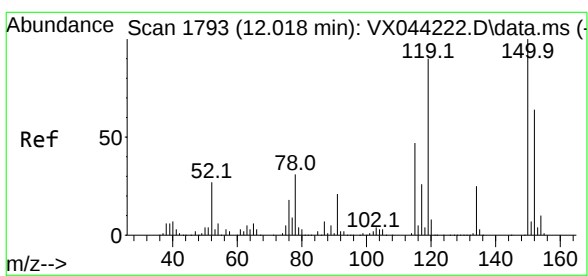
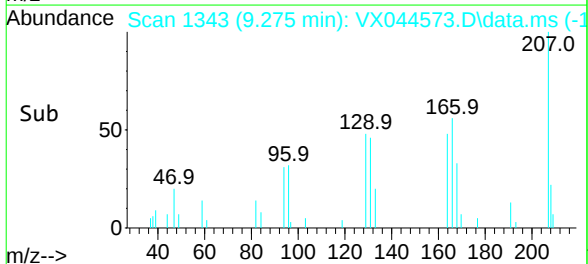
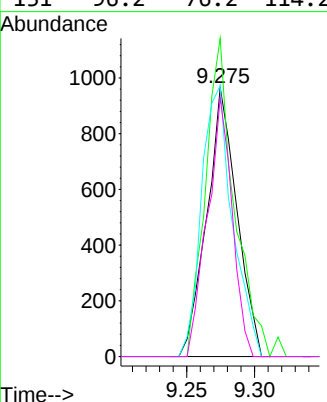
#64  
Tetrachloroethene  
Concen: 1.176 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.006 min  
Lab File: VX044573.D  
Acq: 31 Dec 2024 12:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-07-20241218



Tgt Ion:164 Resp: 1489

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 118.2 | 100.4 | 150.6 |
| 129 | 100.6 | 77.2  | 115.8 |
| 131 | 96.2  | 76.2  | 114.2 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX044573.D  
Acq: 31 Dec 2024 12:14

Tgt Ion:152 Resp: 83236

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 60.0  | 44.5  | 133.3 |
| 150 | 154.4 | 0.0   | 353.8 |

