

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031325\  
 Data File : VX045271.D  
 Acq On : 13 Mar 2025 15:56  
 Operator : JC/MD  
 Sample : Q1559-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D4-20250310

Quant Time: Mar 14 12:29:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

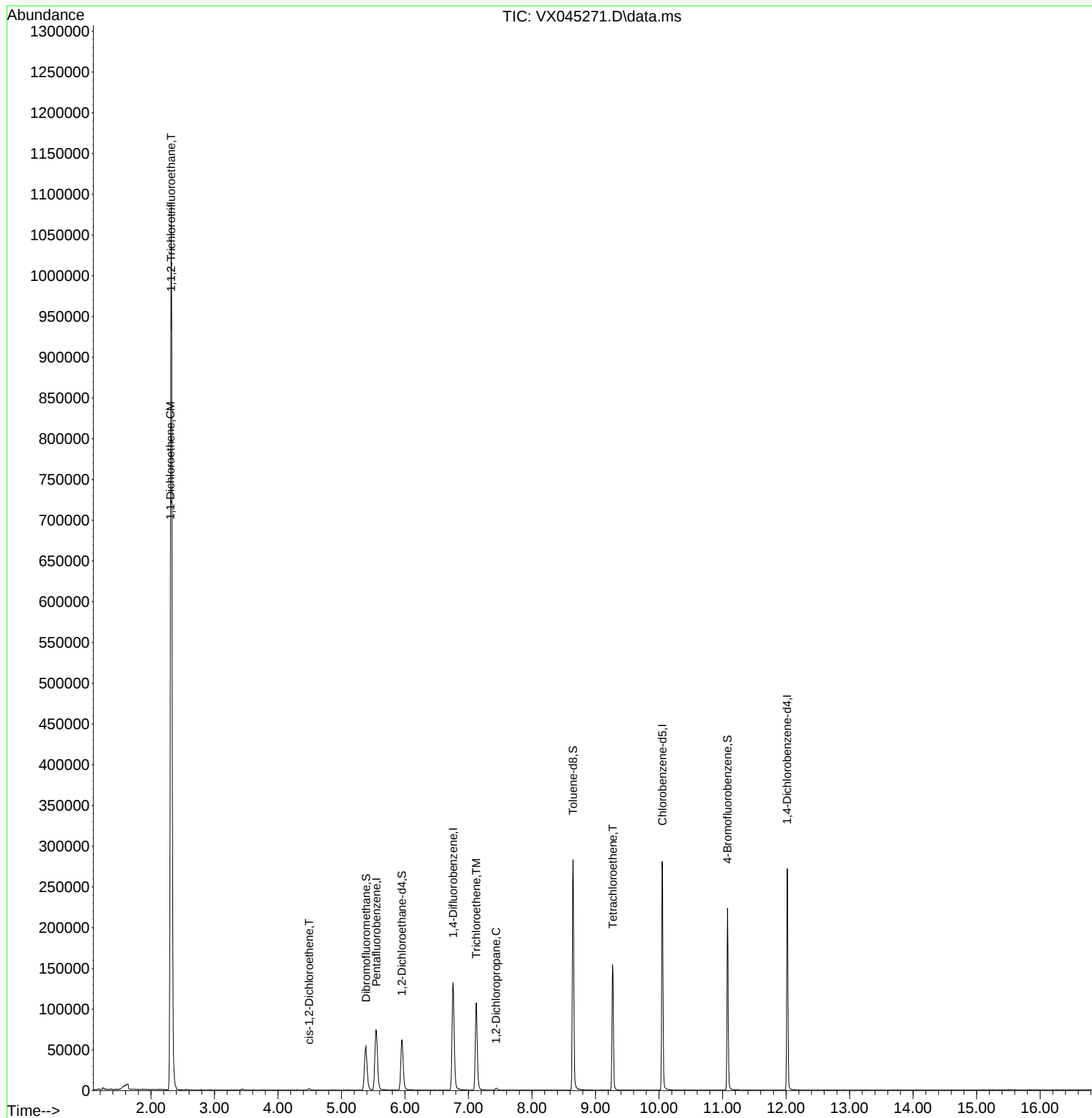
| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 66430    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 130303   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 122058   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 52853    | 50.000   | ug/l       | 0.00     |
|                              |        |       |          |          |            |          |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 59159    | 55.986   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 111.980% |          |
| 35) Dibromofluoromethane     | 5.385  | 113   | 46341    | 53.186   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 106.380% |          |
| 50) Toluene-d8               | 8.647  | 98    | 165311   | 52.334   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 104.660% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 56749    | 54.216   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | = 108.440% |          |
|                              |        |       |          |          |            |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo... | 2.319  | 101   | 419854   | 543.794  | ug/l       | 99       |
| 12) 1,1-Dichloroethene       | 2.306  | 96    | 2503     | 3.066    | ug/l #     | 87       |
| 27) cis-1,2-Dichloroethene   | 4.489  | 96    | 1322     | 1.328    | ug/l       | 89       |
| 44) Trichloroethene          | 7.123  | 130   | 38062    | 42.960   | ug/l       | 99       |
| 45) 1,2-Dichloropropane      | 7.434  | 63    | 1244     | 1.282    | ug/l #     | 87       |
| 64) Tetrachloroethene        | 9.275  | 164   | 27688    | 35.419   | ug/l       | 95       |
| -----                        |        |       |          |          |            |          |

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

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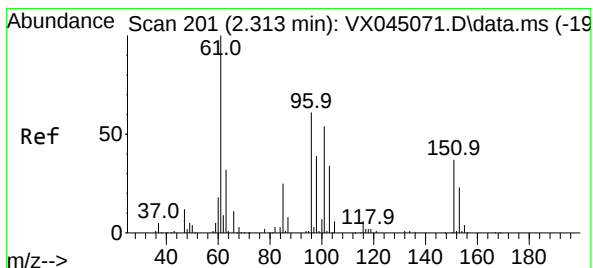
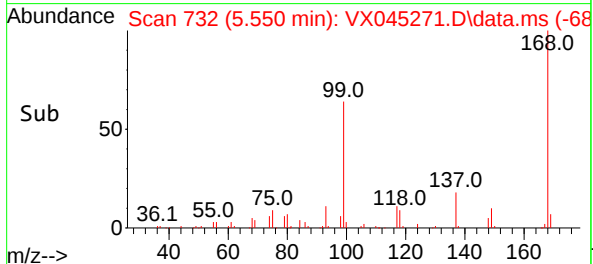
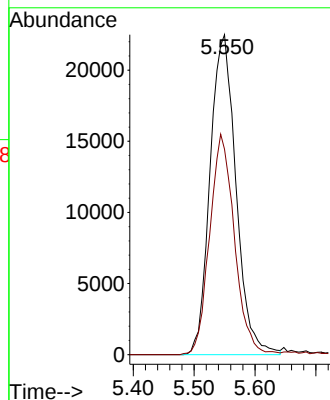
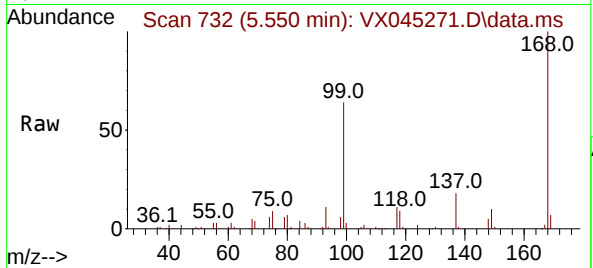




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045271.D  
Acq: 13 Mar 2025 15:56

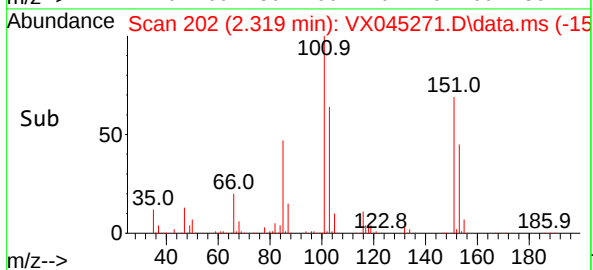
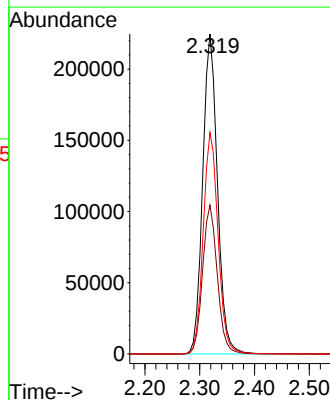
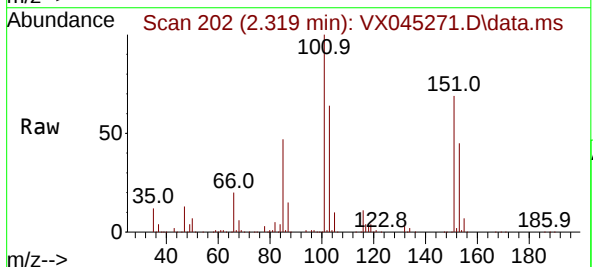
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D4-20250310

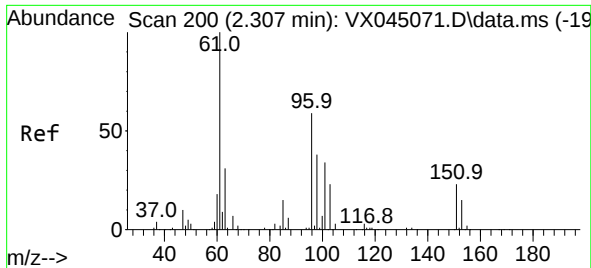
Tgt Ion:168 Resp: 66430  
Ion Ratio Lower Upper  
168 100  
99 64.2 48.2 72.4



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 543.794 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. 0.006 min  
Lab File: VX045271.D  
Acq: 13 Mar 2025 15:56

Tgt Ion:101 Resp: 419854  
Ion Ratio Lower Upper  
101 100  
85 46.4 36.2 54.4  
151 69.8 56.4 84.6

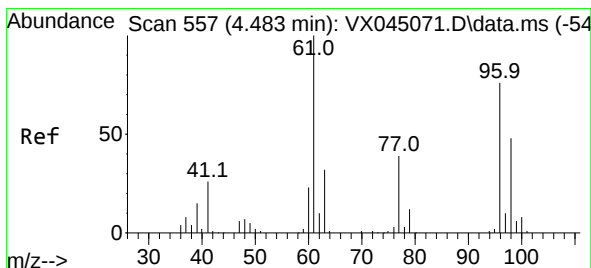
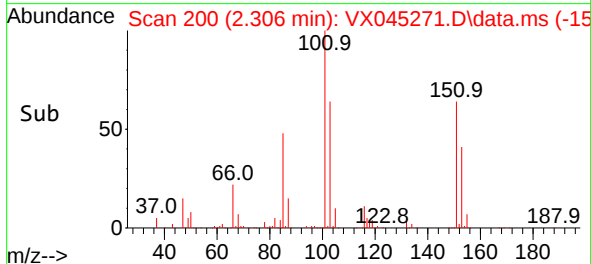
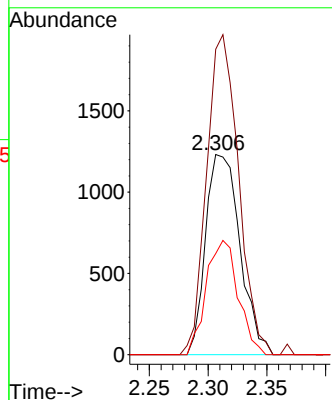
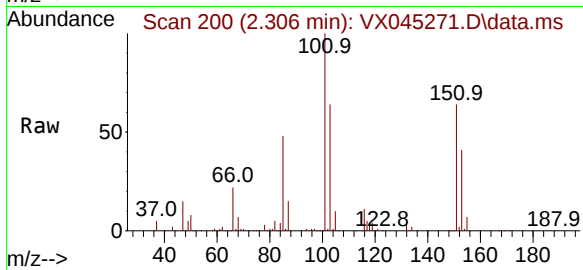




#12  
 1,1-Dichloroethene  
 Concen: 3.066 ug/l  
 RT: 2.306 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VX045271.D  
 Acq: 13 Mar 2025 15:56

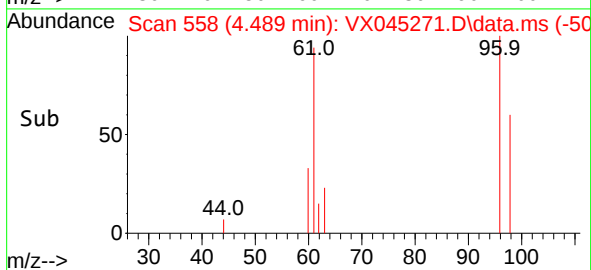
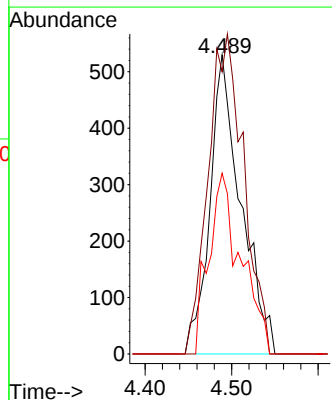
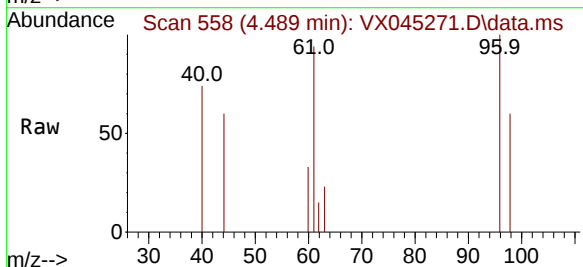
Instrument :  
 MSVOA\_X  
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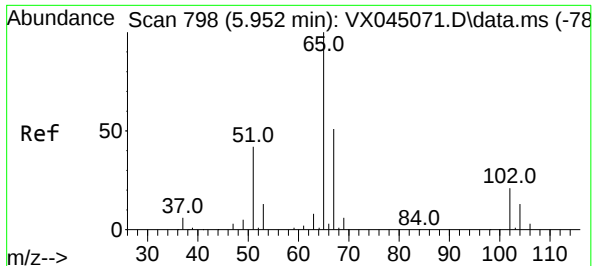
Tgt Ion: 96 Resp: 2503  
 Ion Ratio Lower Upper  
 96 100  
 61 152.5 134.6 202.0  
 98 50.5 51.0 76.6#



#27  
 cis-1,2-Dichloroethene  
 Concen: 1.328 ug/l  
 RT: 4.489 min Scan# 558  
 Delta R.T. 0.006 min  
 Lab File: VX045271.D  
 Acq: 13 Mar 2025 15:56

Tgt Ion: 96 Resp: 1322  
 Ion Ratio Lower Upper  
 96 100  
 61 122.4 0.0 283.2  
 98 62.6 0.0 128.0





#33

1,2-Dichloroethane-d4

Concen: 55.986 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045271.D

Acq: 13 Mar 2025 15:56

Instrument :

MSVOA\_X

ClientSampleId :

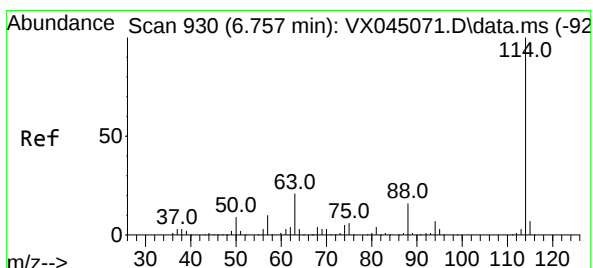
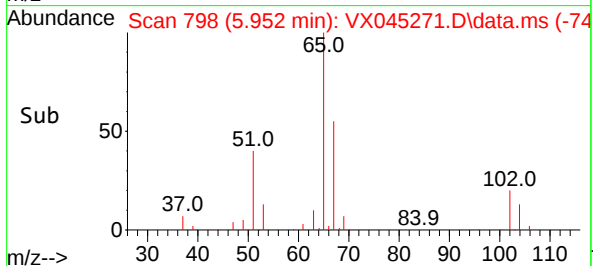
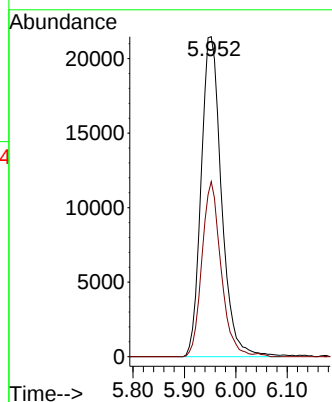
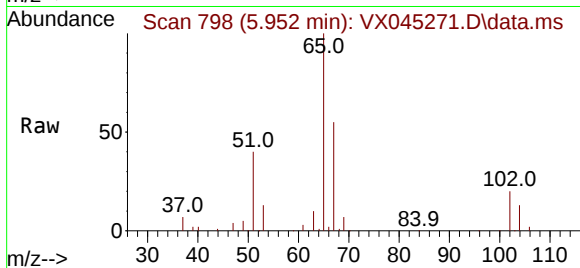
RE134D4-20250310

Tgt Ion: 65 Resp: 59159

Ion Ratio Lower Upper

65 100

67 51.1 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045271.D

Acq: 13 Mar 2025 15:56

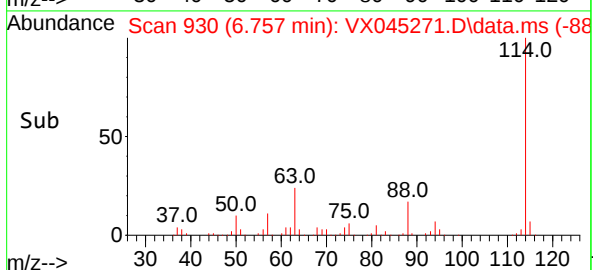
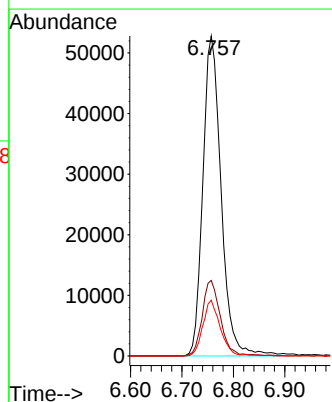
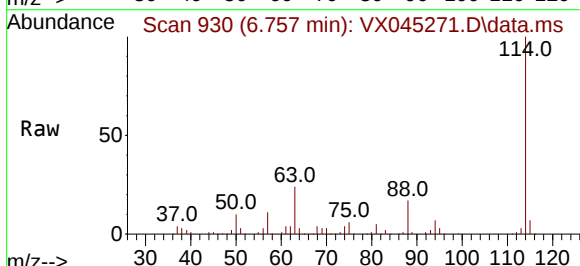
Tgt Ion: 114 Resp: 130303

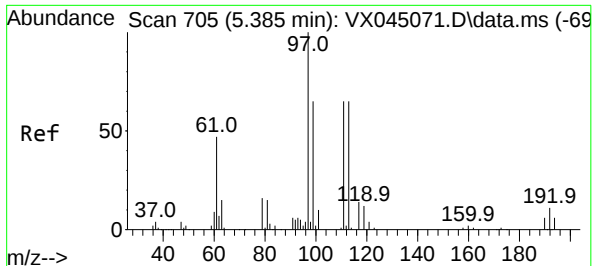
Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 17.4 0.0 32.8

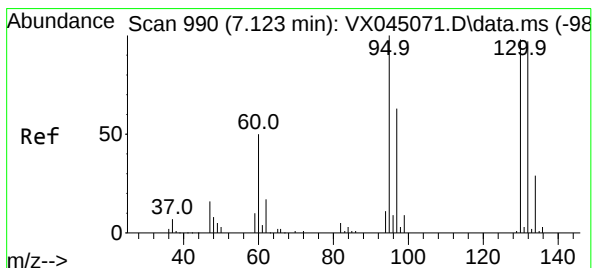
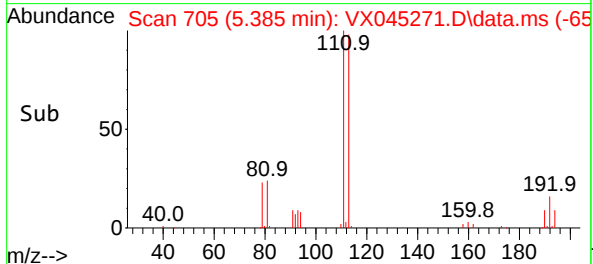
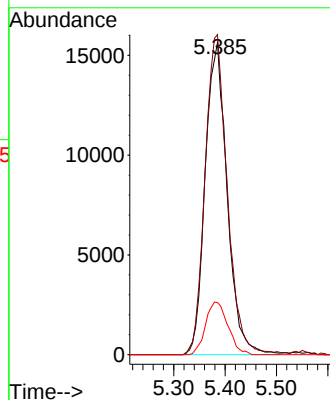
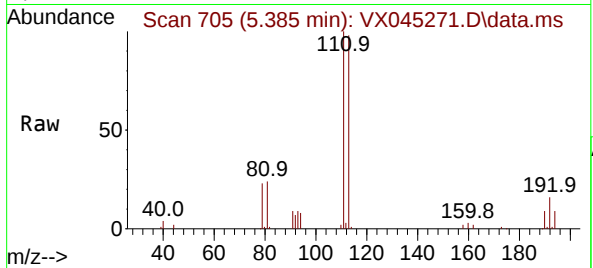




#35  
Dibromofluoromethane  
Concen: 53.186 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX045271.D  
Acq: 13 Mar 2025 15:56

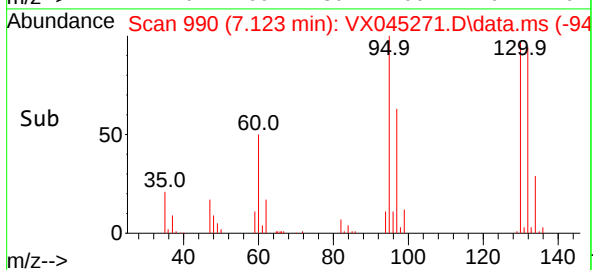
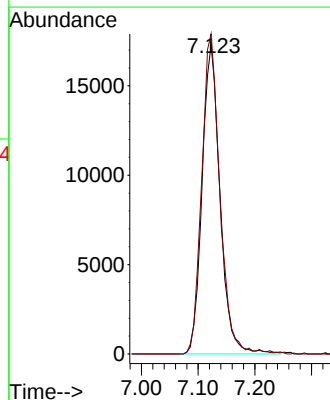
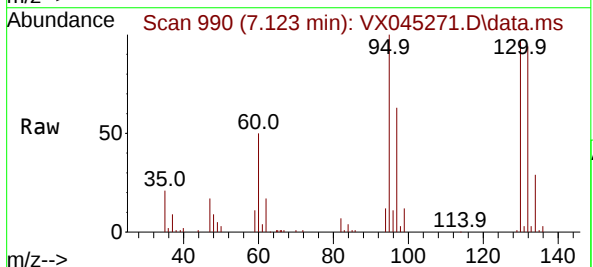
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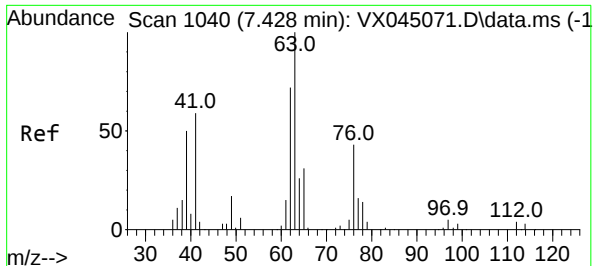
Tgt Ion:113 Resp: 46341  
Ion Ratio Lower Upper  
113 100  
111 104.2 81.8 122.6  
192 17.2 14.3 21.5



#44  
Trichloroethene  
Concen: 42.960 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX045271.D  
Acq: 13 Mar 2025 15:56

Tgt Ion:130 Resp: 38062  
Ion Ratio Lower Upper  
130 100  
95 103.5 0.0 205.0





#45

1,2-Dichloropropane

Concen: 1.282 ug/l

RT: 7.434 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VX045271.D

Acq: 13 Mar 2025 15:56

Instrument :

MSVOA\_X

ClientSampleId :

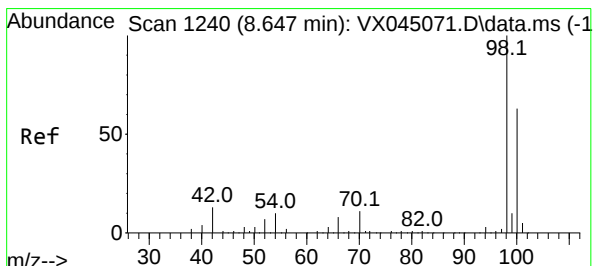
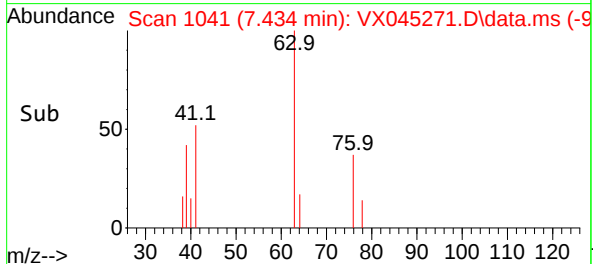
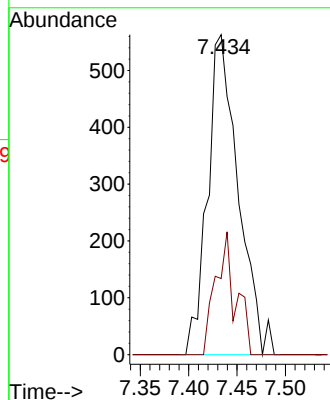
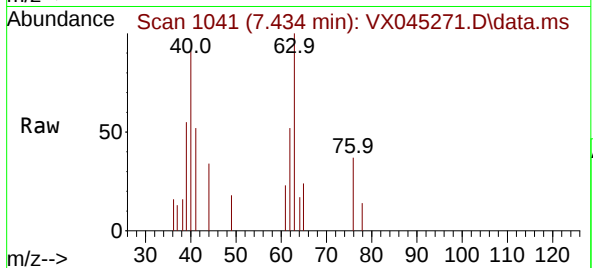
RE134D4-20250310

Tgt Ion: 63 Resp: 1244

Ion Ratio Lower Upper

63 100

65 23.8 24.7 37.1#



#50

Toluene-d8

Concen: 52.334 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045271.D

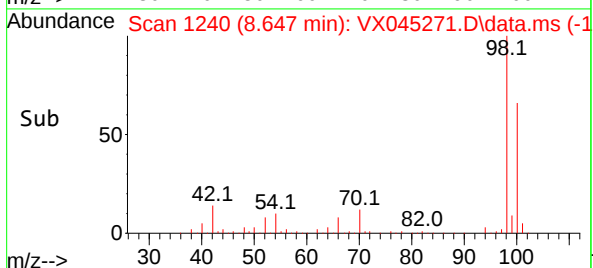
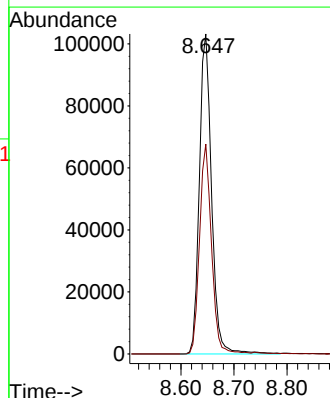
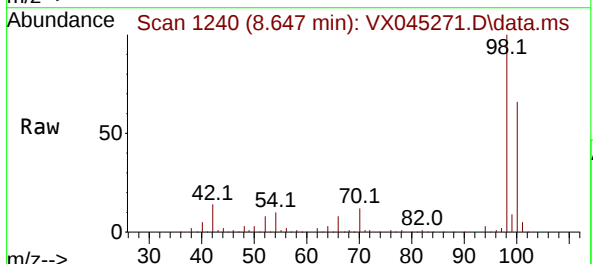
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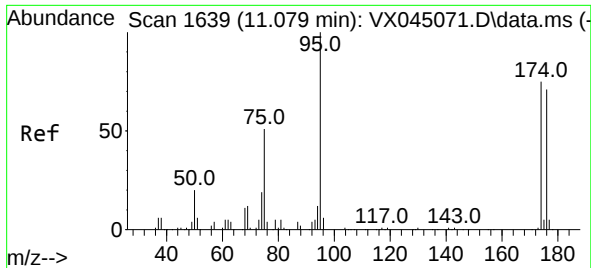
Tgt Ion: 98 Resp: 165311

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0

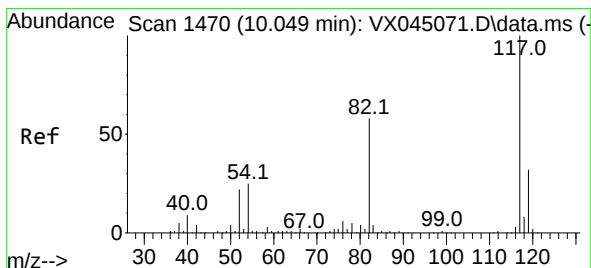
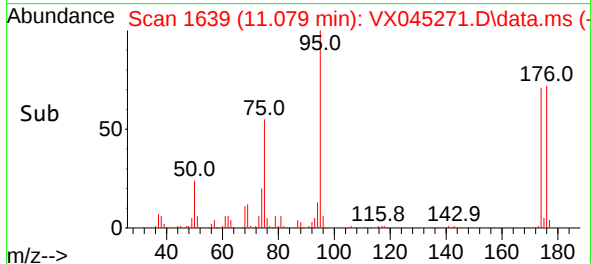
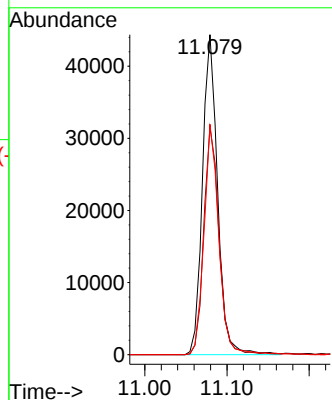
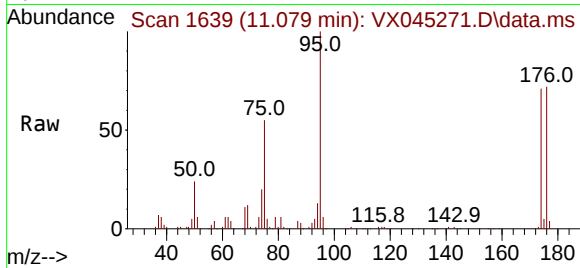




#62  
4-Bromofluorobenzene  
Concen: 54.216 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045271.D  
Acq: 13 Mar 2025 15:56

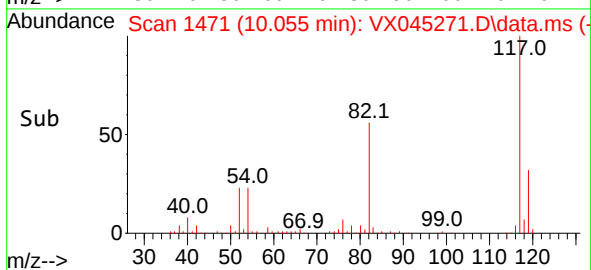
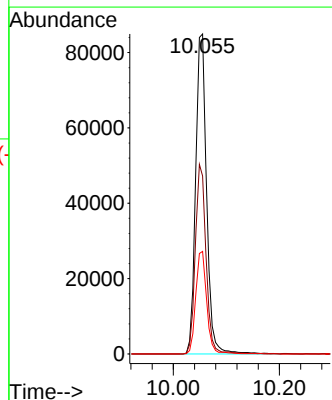
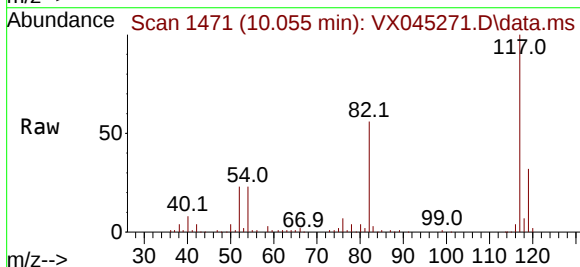
Instrument :  
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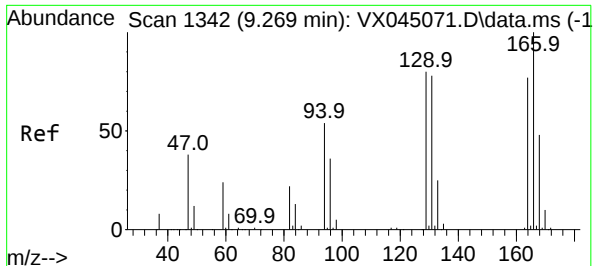
Tgt Ion: 95 Resp: 56749  
Ion Ratio Lower Upper  
95 100  
174 71.7 0.0 148.2  
176 71.0 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX045271.D  
Acq: 13 Mar 2025 15:56

Tgt Ion: 117 Resp: 122058  
Ion Ratio Lower Upper  
117 100  
82 55.6 46.3 69.5  
119 32.1 25.7 38.5

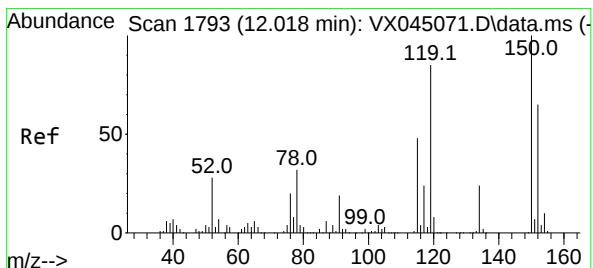
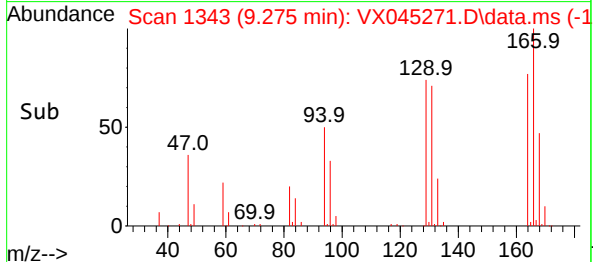
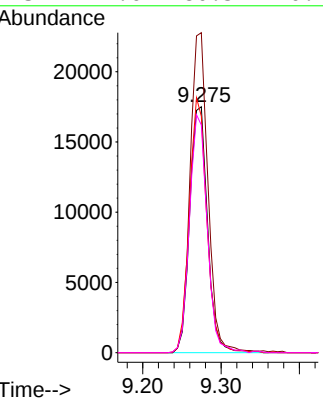
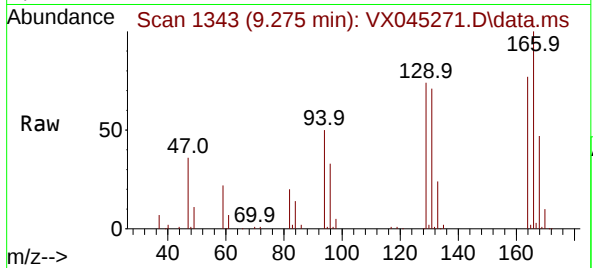




#64  
Tetrachloroethene  
Concen: 35.419 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX045271.D  
Acq: 13 Mar 2025 15:56

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D4-20250310

Tgt Ion:164 Resp: 27688  
Ion Ratio Lower Upper  
164 100  
166 130.1 103.6 155.4  
129 96.1 82.7 124.1  
131 92.6 80.5 120.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX045271.D  
Acq: 13 Mar 2025 15:56

Tgt Ion:152 Resp: 52853  
Ion Ratio Lower Upper  
152 100  
115 62.5 44.2 132.6  
150 157.0 0.0 349.0

