

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020525\  
 Data File : VX044846.D  
 Acq On : 05 Feb 2025 16:13  
 Operator : JC/MD  
 Sample : Q1250-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 06 04:40:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011525W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 16 01:16:09 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.549  | 168  | 102126   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 204882   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 185437   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 80489    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 75149    | 48.750   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 97.500%  |
| 35) Dibromofluoromethane    | 5.379  | 113   | 64194    | 49.320   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 98.640%  |
| 50) Toluene-d8              | 8.646  | 98    | 242793   | 53.498   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 107.000% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 83786    | 49.523   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 99.040%  |

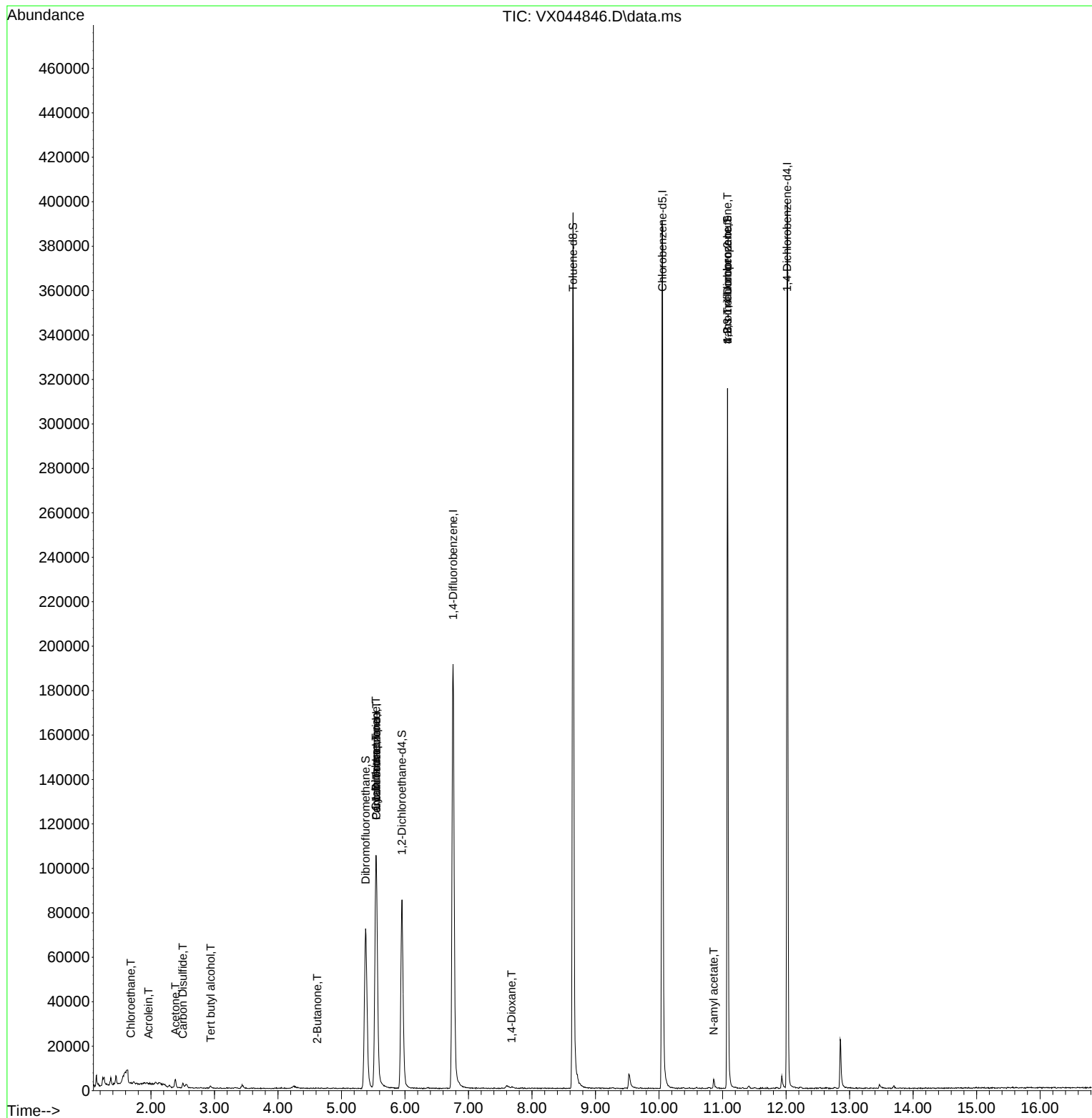
| Target Compounds              |        |     |       |        | Qvalue |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| 6) Chloroethane               | 1.684  | 64  | 105   | 0.390  | ug/l # | 41 |
| 11) Tert butyl alcohol        | 2.940  | 59  | 305   | 0.888  | ug/l # | 85 |
| 13) Acrolein                  | 1.959  | 56  | 55    | 0.340  | ug/l   | 86 |
| 16) Acetone                   | 2.385  | 43  | 4069  | 6.672  | ug/l # | 87 |
| 17) Carbon Disulfide          | 2.501  | 76  | 2586  | 0.793  | ug/l # | 95 |
| 25) 2-Butanone                | 4.617  | 43  | 416   | 0.459  | ug/l # | 48 |
| 31) Cyclohexane               | 5.543  | 56  | 2360  | 1.216  | ug/l # | 12 |
| 36) 1,1-Dichloropropene       | 5.543  | 75  | 8307  | 4.585  | ug/l # | 49 |
| 38) Carbon Tetrachloride      | 5.549  | 117 | 10420 | 5.113  | ug/l # | 17 |
| 49) 1,4-Dioxane               | 7.677  | 88  | 407   | 11.840 | ug/l   | 89 |
| 74) N-amyl acetate            | 10.859 | 43  | 734   | 0.226  | ug/l # | 19 |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 43295 | 22.164 | ug/l # | 32 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 43295 | 50.687 | ug/l # | 12 |

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

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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Feb 06 04:40:40 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011525W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 16 01:16:09 2025  
Response via : Initial Calibration

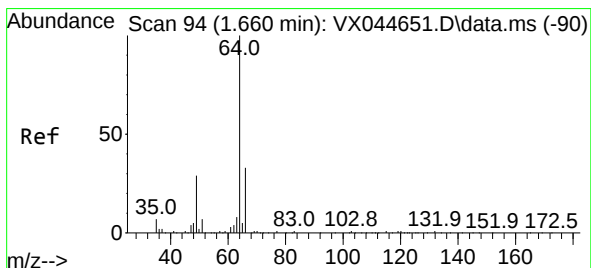
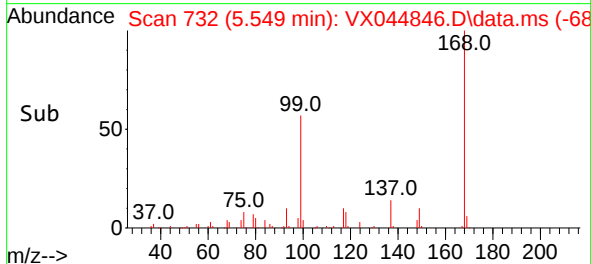
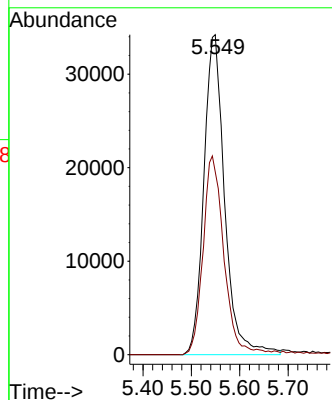
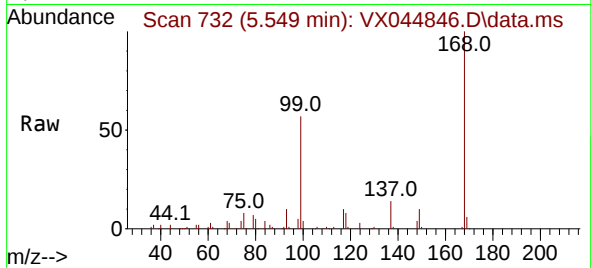




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.549 min Scan# 71  
 Delta R.T. 0.005 min  
 Lab File: VX044846.D  
 Acq: 05 Feb 2025 16:13

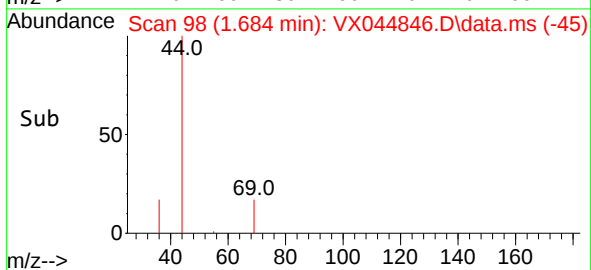
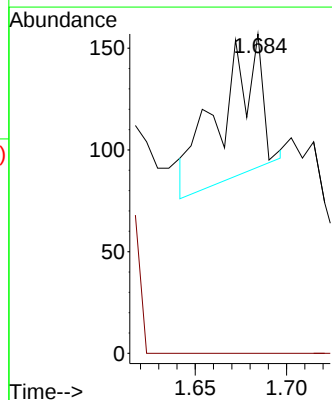
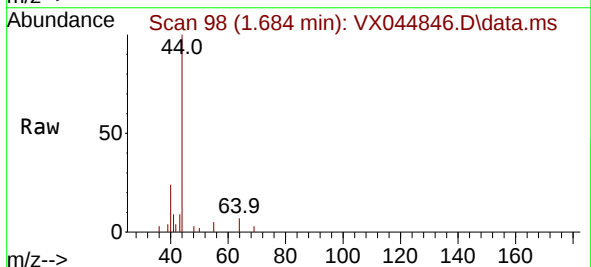
Instrument :  
 MSVOA\_X  
 ClientSampleId :

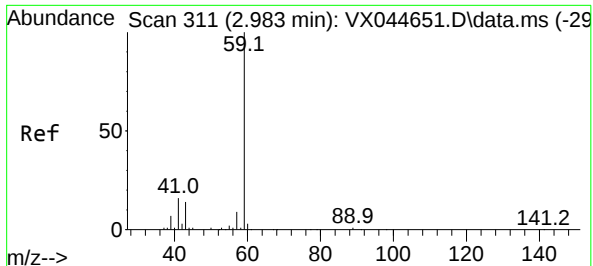
Tgt Ion:168 Resp: 102126  
 Ion Ratio Lower Upper  
 168 100  
 99 57.1 51.1 76.7



#6  
 Chloroethane  
 Concen: 0.390 ug/l  
 RT: 1.684 min Scan# 98  
 Delta R.T. 0.024 min  
 Lab File: VX044846.D  
 Acq: 05 Feb 2025 16:13

Tgt Ion: 64 Resp: 105  
 Ion Ratio Lower Upper  
 64 100  
 66 0.0 26.6 39.8#





#11

Tert butyl alcohol

Concen: 0.888 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX044846.D

Acq: 05 Feb 2025 16:13

Instrument :

MSVOA\_X

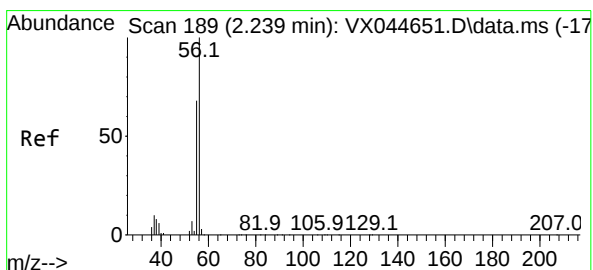
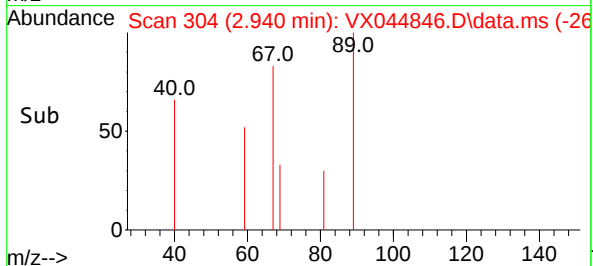
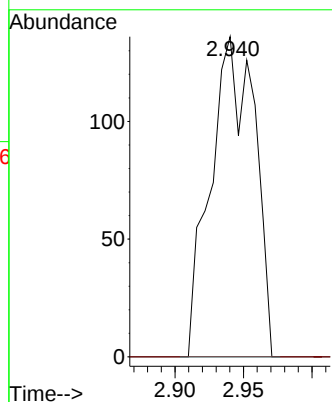
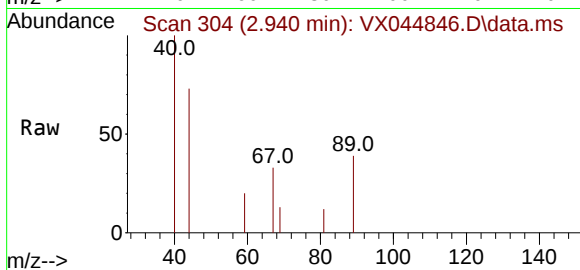
ClientSampleId :

Tgt Ion: 59 Resp: 305

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#



#13

Acrolein

Concen: 0.340 ug/l

RT: 1.959 min Scan# 143

Delta R.T. -0.281 min

Lab File: VX044846.D

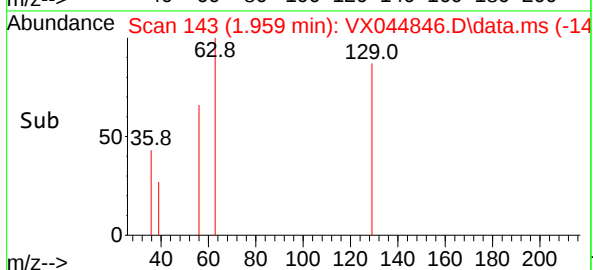
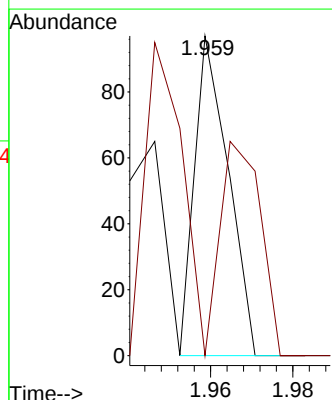
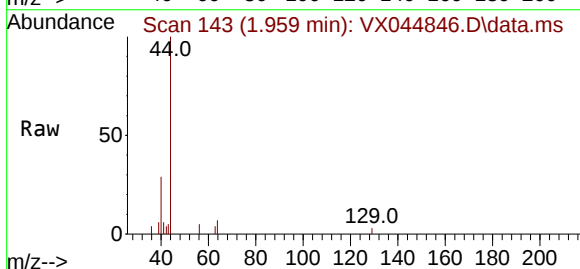
Acq: 05 Feb 2025 16:13

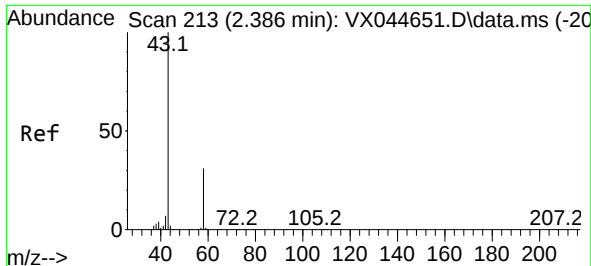
Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

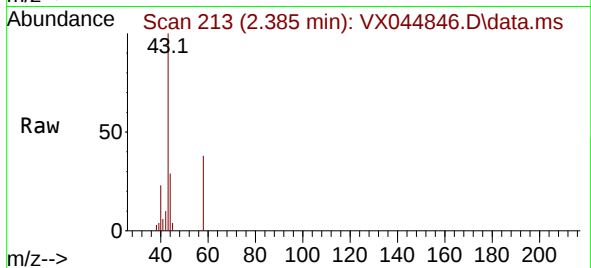
55 80.0 55.1 82.7



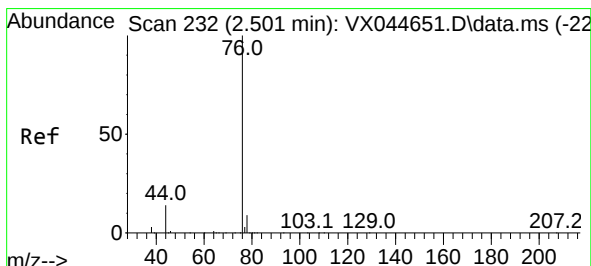
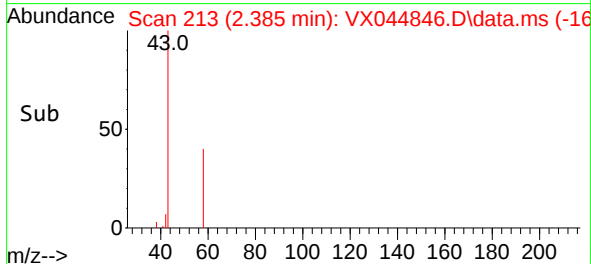
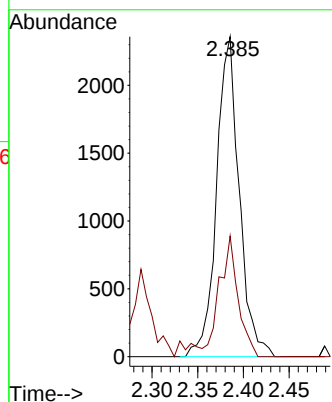


#16  
Acetone  
Concen: 6.672 ug/l  
RT: 2.385 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX044846.D  
Acq: 05 Feb 2025 16:13

Instrument :  
MSVOA\_X  
ClientSampleId :

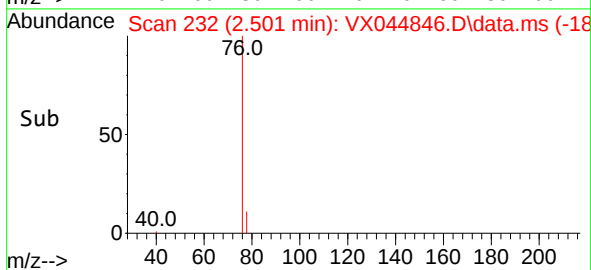
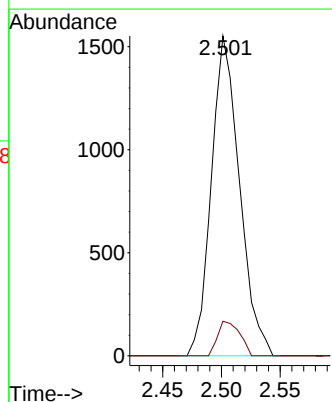
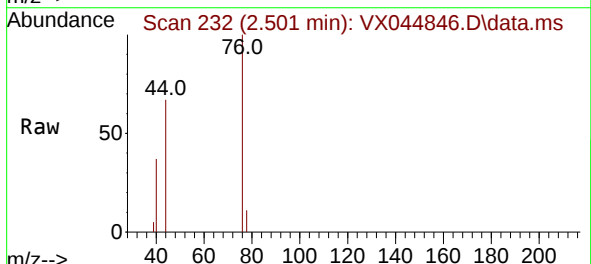


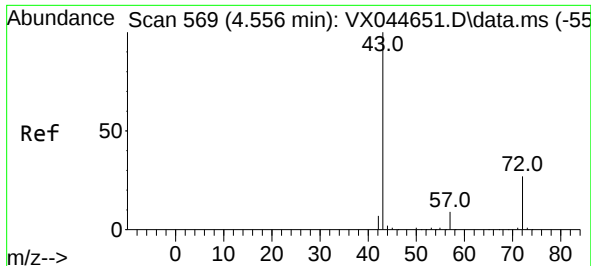
Tgt Ion: 43 Resp: 4069  
Ion Ratio Lower Upper  
43 100  
58 37.7 24.6 37.0#



#17  
Carbon Disulfide  
Concen: 0.793 ug/l  
RT: 2.501 min Scan# 232  
Delta R.T. -0.000 min  
Lab File: VX044846.D  
Acq: 05 Feb 2025 16:13

Tgt Ion: 76 Resp: 2586  
Ion Ratio Lower Upper  
76 100  
78 10.8 7.1 10.7#





#25

2-Butanone

Concen: 0.459 ug/l

RT: 4.617 min Scan# 51

Delta R.T. 0.061 min

Lab File: VX044846.D

Acq: 05 Feb 2025 16:13

Instrument :

MSVOA\_X

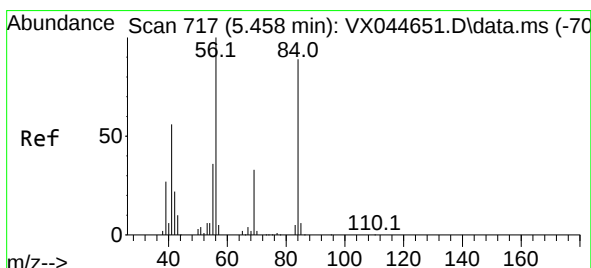
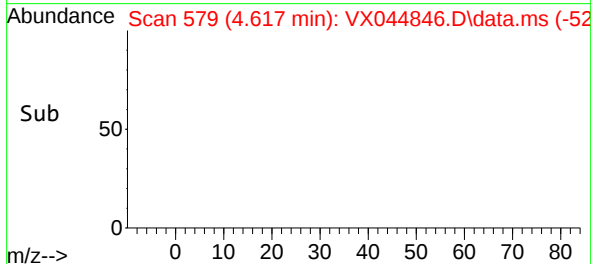
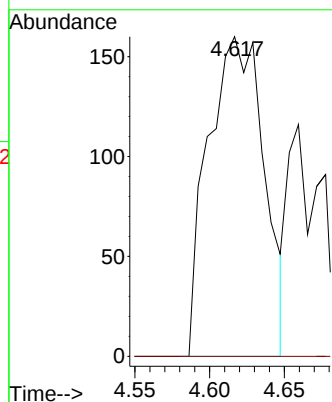
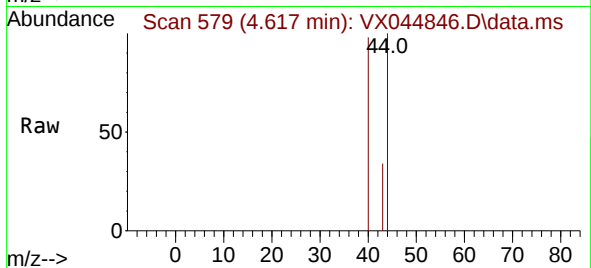
ClientSampleId :

Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.216 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX044846.D

Acq: 05 Feb 2025 16:13

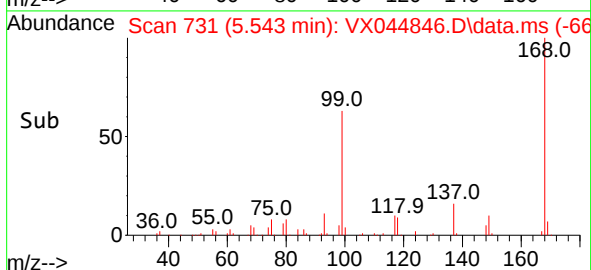
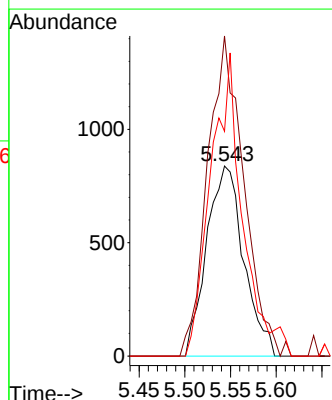
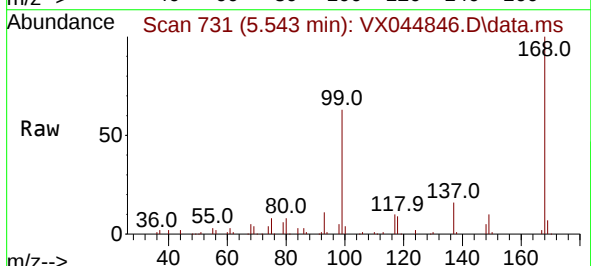
Tgt Ion: 56 Resp: 2360

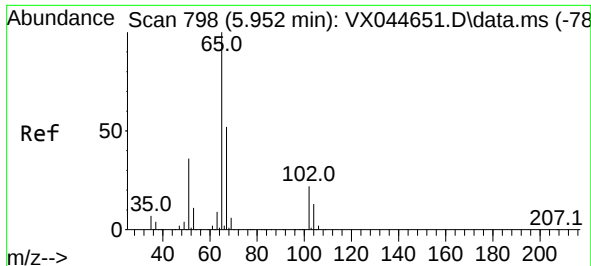
Ion Ratio Lower Upper

56 100

69 168.5 26.8 40.2#

84 118.3 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 48.750 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044846.D

Acq: 05 Feb 2025 16:13

Instrument :

MSVOA\_X

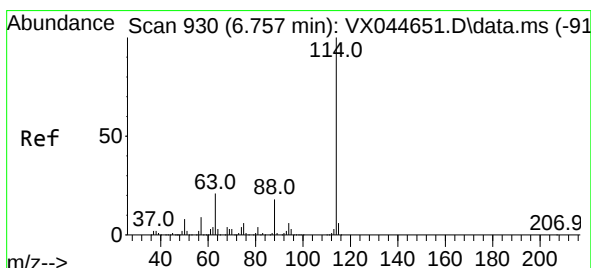
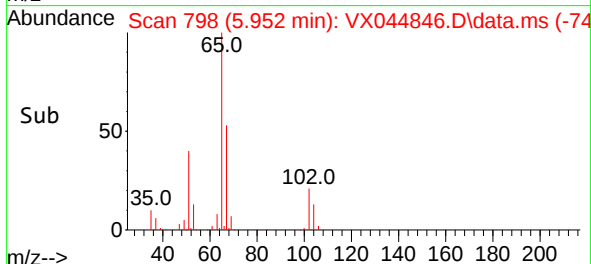
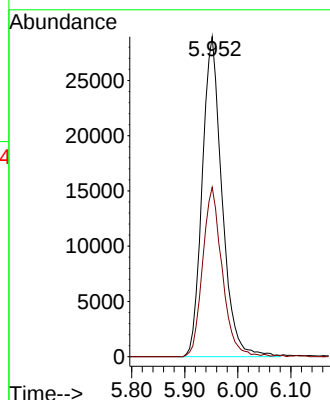
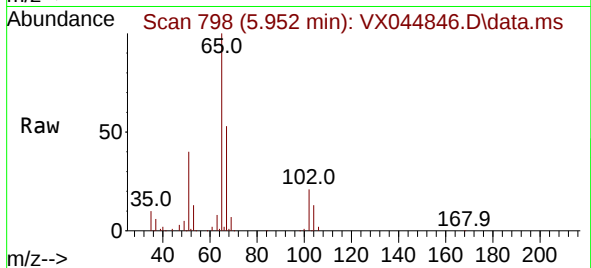
ClientSampleId :

Tgt Ion: 65 Resp: 75149

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044846.D

Acq: 05 Feb 2025 16:13

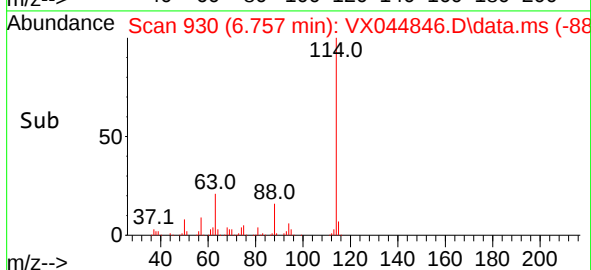
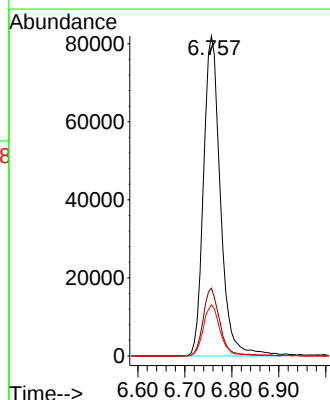
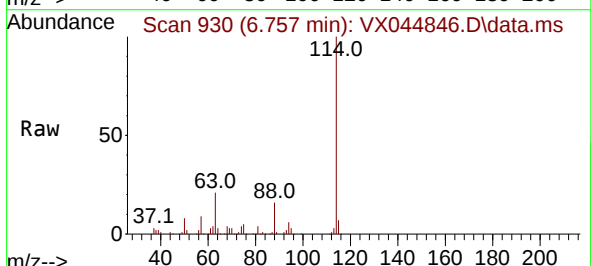
Tgt Ion: 114 Resp: 204882

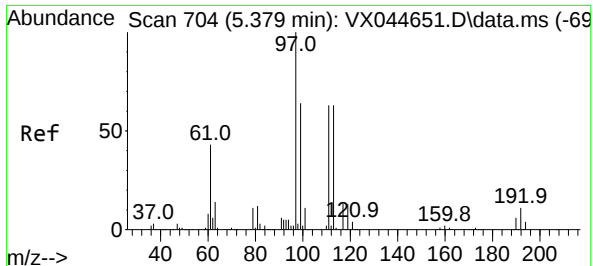
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

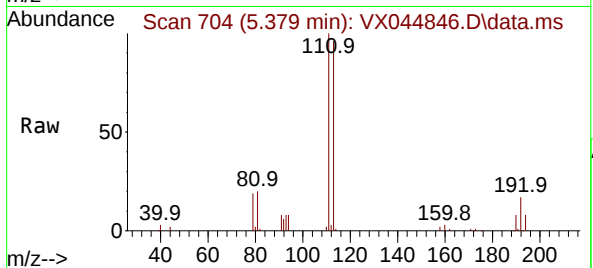
88 16.0 0.0 35.4



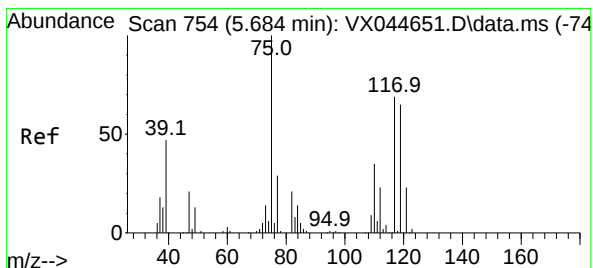
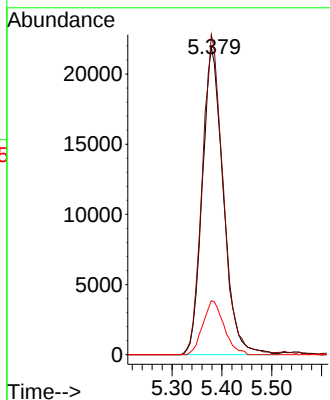
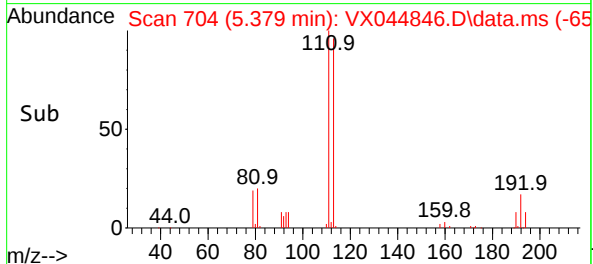


#35  
Dibromofluoromethane  
Concen: 49.320 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX044846.D  
Acq: 05 Feb 2025 16:13

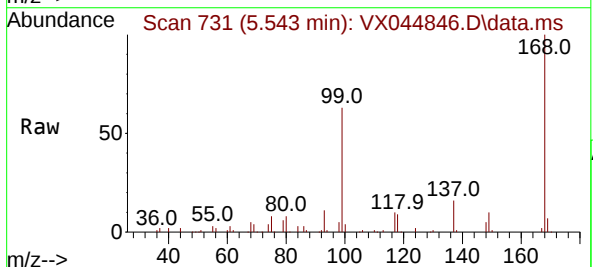
Instrument :  
MSVOA\_X  
ClientSampleId :



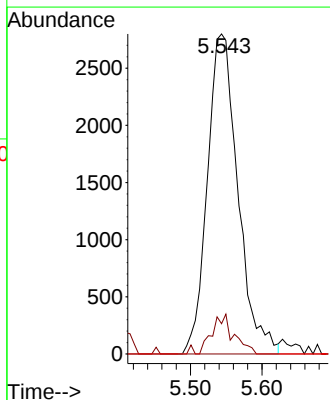
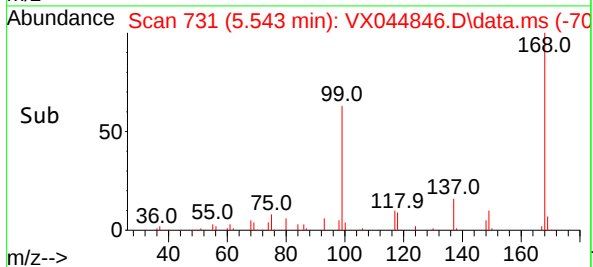
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Ion Ratio Lower Upper  
113 100  
111 103.3 81.6 122.4  
192 17.6 14.4 21.6

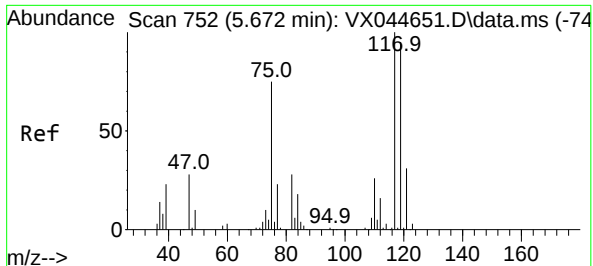


#36  
1,1-Dichloropropene  
Concen: 4.585 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. -0.140 min  
Lab File: VX044846.D  
Acq: 05 Feb 2025 16:13



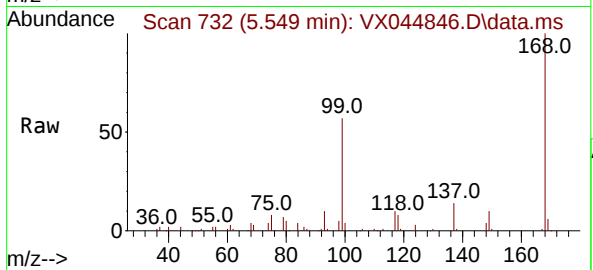
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Ion Ratio Lower Upper  
75 100  
110 8.8 17.9 53.8#  
77 0.0 24.5 36.7#



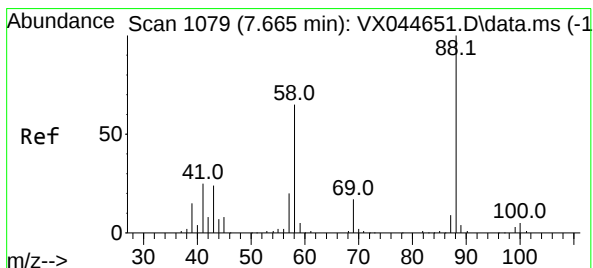
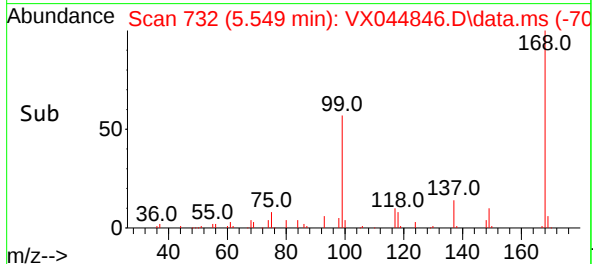
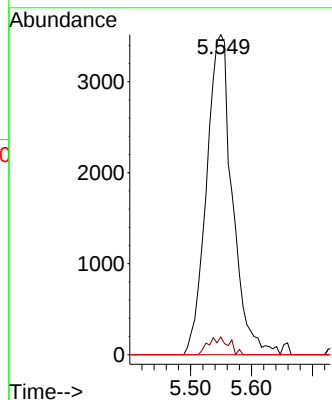


#38  
Carbon Tetrachloride  
Concen: 5.113 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX044846.D  
Acq: 05 Feb 2025 16:13

Instrument :  
MSVOA\_X  
ClientSampleId :

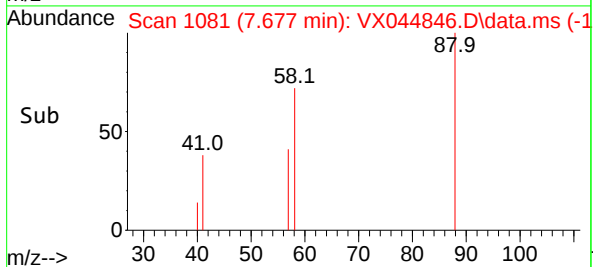
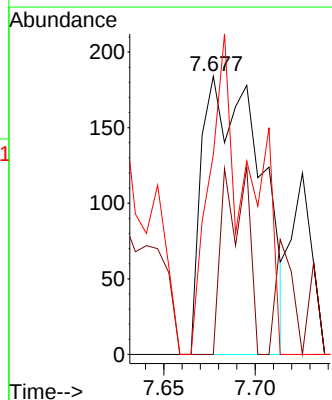
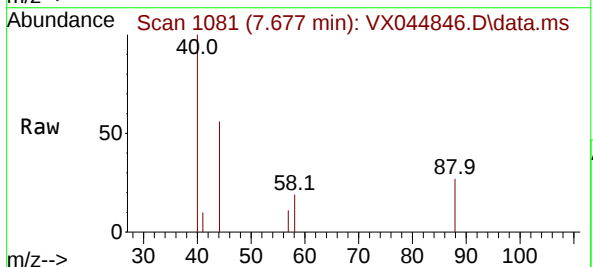


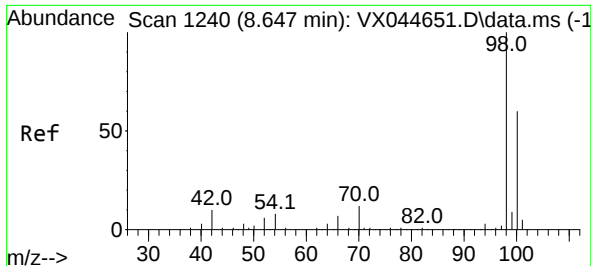
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Ion Ratio Lower Upper  
117 100  
119 5.5 76.0 114.0#  
121 0.0 24.6 36.8#



#49  
1,4-Dioxane  
Concen: 11.840 ug/l  
RT: 7.677 min Scan# 1081  
Delta R.T. 0.012 min  
Lab File: VX044846.D  
Acq: 05 Feb 2025 16:13

Tgt Ion: 88 Resp: 407  
Ion Ratio Lower Upper  
88 100  
43 28.7 27.0 40.4  
58 79.9 55.8 83.8

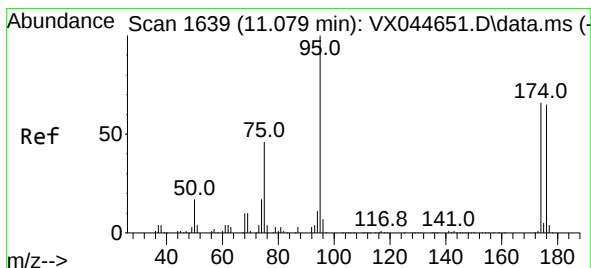
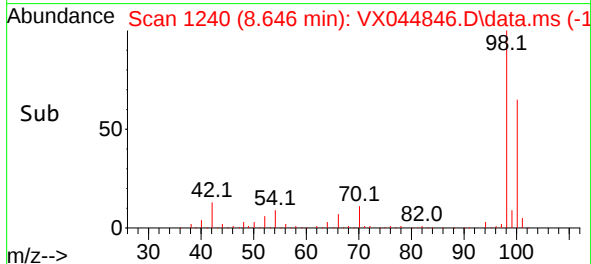
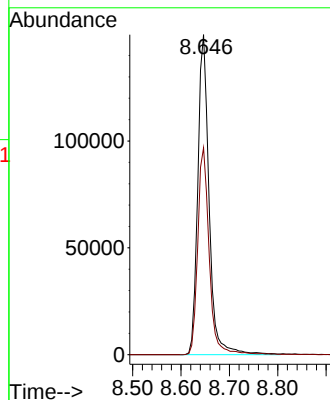
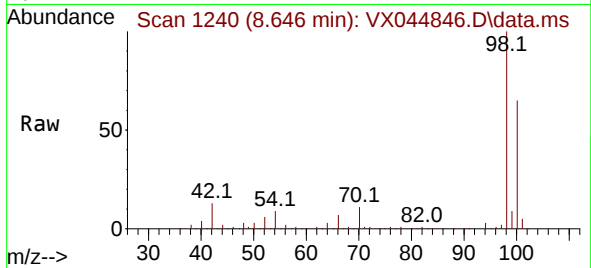




#50  
Toluene-d8  
Concen: 53.498 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044846.D  
Acq: 05 Feb 2025 16:13

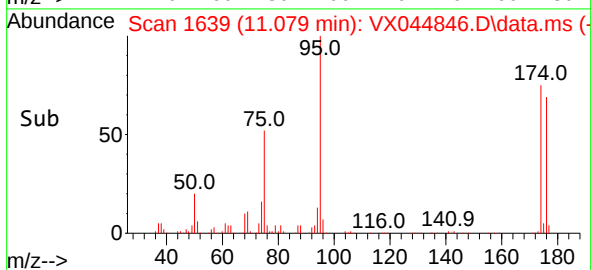
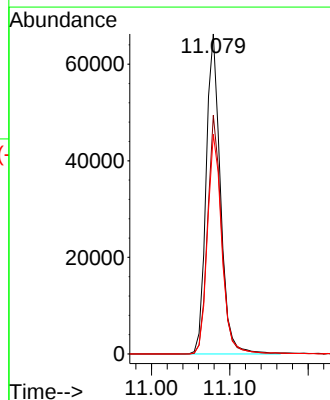
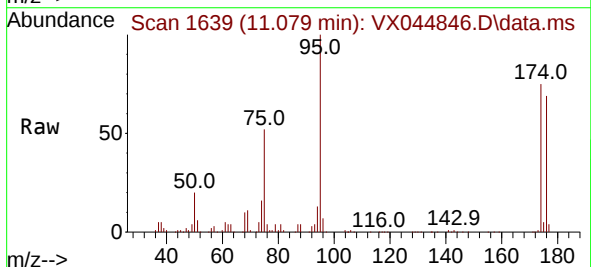
Instrument :  
MSVOA\_X  
ClientSampleId :

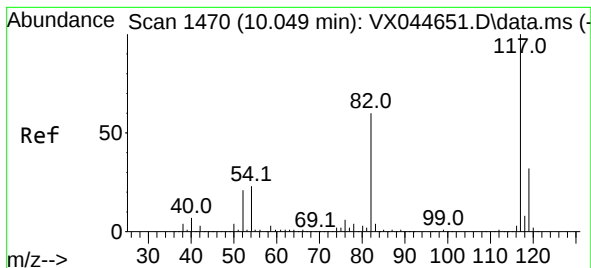
Tgt Ion: 98 Resp: 242793  
Ion Ratio Lower Upper  
98 100  
100 65.6 53.2 79.8



#62  
4-Bromofluorobenzene  
Concen: 49.523 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044846.D  
Acq: 05 Feb 2025 16:13

Tgt Ion: 95 Resp: 83786  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 133.0  
176 69.5 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044846.D

Acq: 05 Feb 2025 16:13

Instrument :

MSVOA\_X

ClientSampleId :

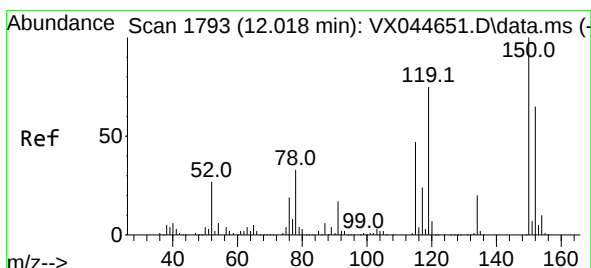
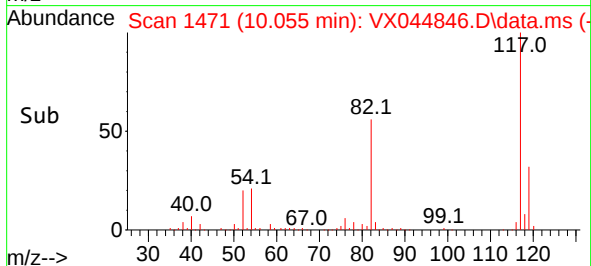
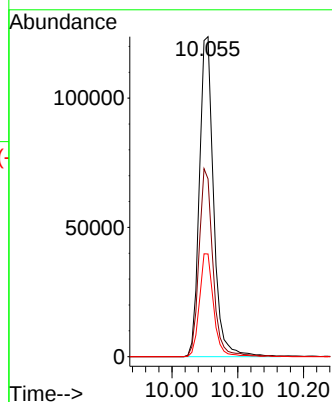
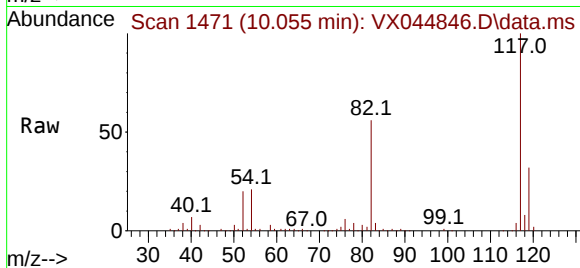
Tgt Ion:117 Resp: 185437

Ion Ratio Lower Upper

117 100

82 55.5 47.6 71.4

119 32.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX044846.D

Acq: 05 Feb 2025 16:13

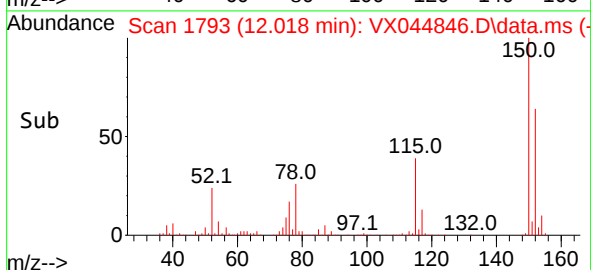
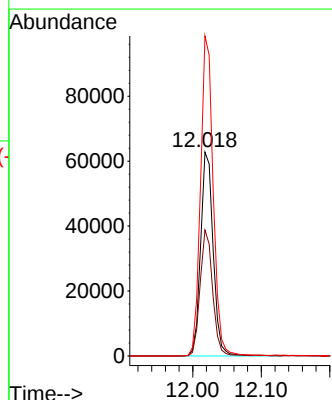
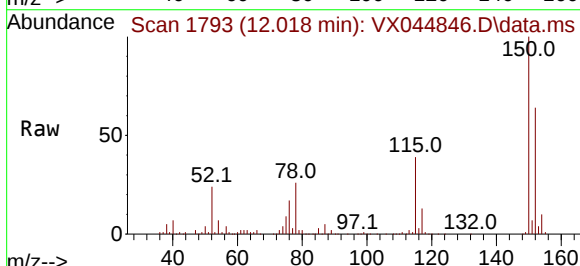
Tgt Ion:152 Resp: 80489

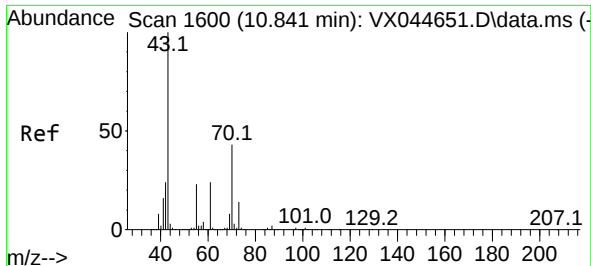
Ion Ratio Lower Upper

152 100

115 61.8 43.8 131.4

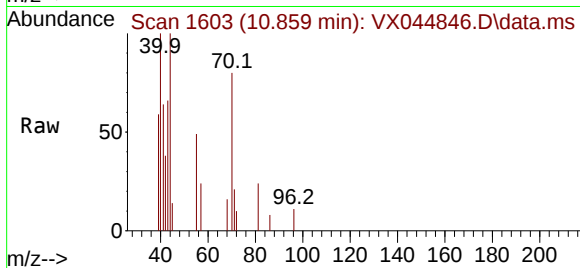
150 157.8 0.0 347.8



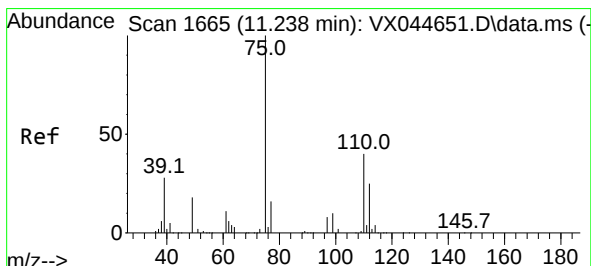
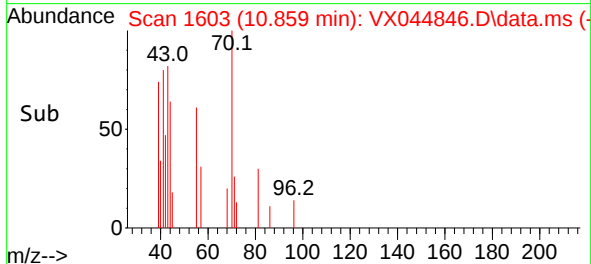
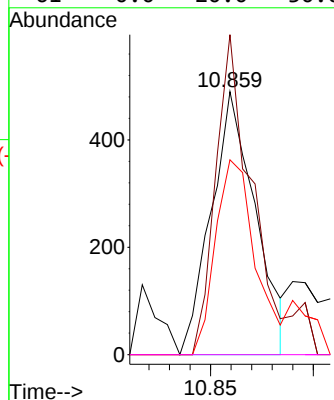


#74  
N-amy1 acetate  
Concen: 0.226 ug/l  
RT: 10.859 min Scan# 1603  
Delta R.T. 0.018 min  
Lab File: VX044846.D  
Acq: 05 Feb 2025 16:13

Instrument :  
MSVOA\_X  
ClientSampleId :

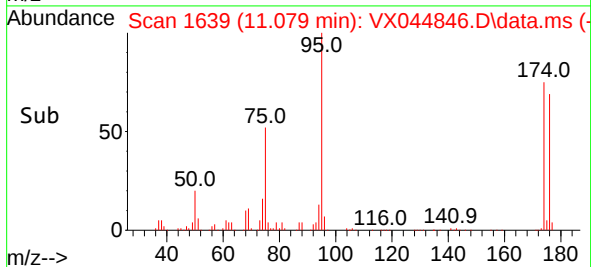
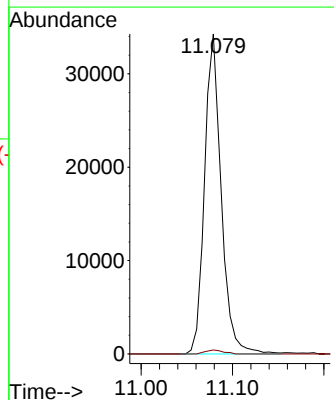
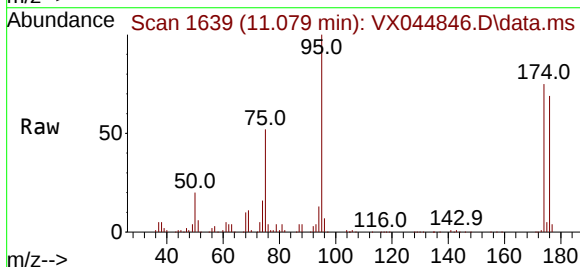


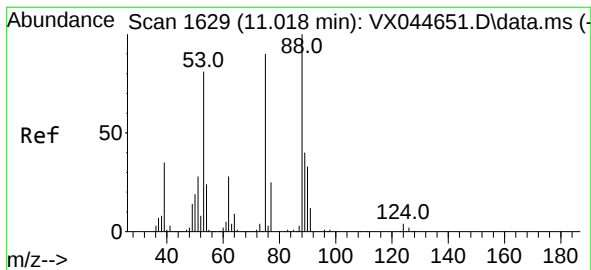
Tgt Ion: 43 Resp: 734  
Ion Ratio Lower Upper  
43 100  
70 105.4 35.2 52.8#  
55 66.8 19.0 28.4#  
61 0.0 20.0 30.0#



#76  
1,2,3-Trichloropropane  
Concen: 22.164 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX044846.D  
Acq: 05 Feb 2025 16:13

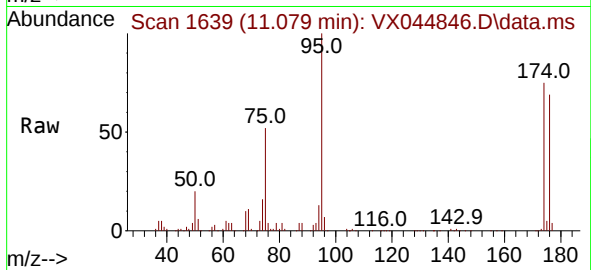
Tgt Ion: 75 Resp: 43295  
Ion Ratio Lower Upper  
75 100  
77 1.3 23.4 70.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 50.687 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX044846.D  
 Acq: 05 Feb 2025 16:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 43295  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.3 111.5#  
 89 0.1 37.4 56.0#

