

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070924\  
 Data File : VX042245.D  
 Acq On : 09 Jul 2024 13:19  
 Operator : JC/MD  
 Sample : P3150-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 09 17:53:25 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X061424W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jun 15 04:02:59 2024  
 Response via : Initial Calibration

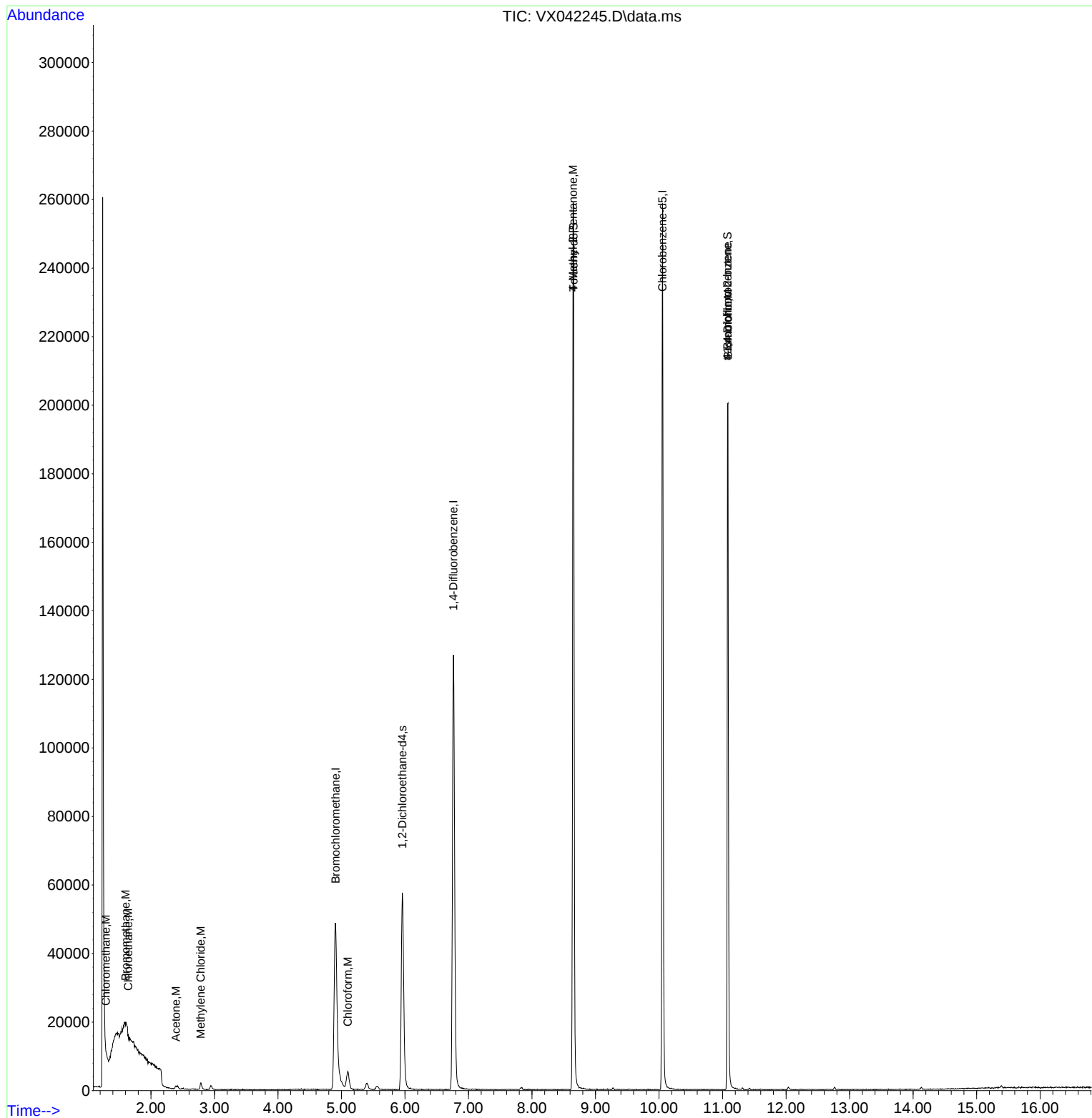
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.910  | 128   | 26757    | 30.000   | ug/l   | 0.01     |
| 28) 1,4-Difluorobenzene     | 6.763  | 114   | 143458   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 128763   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.958  | 65    | 56234    | 30.530   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 101.767% |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 54503    | 27.345   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 91.167%  |
| 63) Toluene-d8              | 8.653  | 98    | 165865   | 30.108   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 100.367% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 3) Chloromethane            | 1.288  | 50    | 483      | 0.249    | ug/l # | 41       |
| 5) Bromomethane             | 1.599  | 94    | 324      | 0.320    | ug/l   | 81       |
| 6) Chloroethane             | 1.642  | 64    | 2690     | 3.325    | ug/l # | 56       |
| 15) Acetone                 | 2.392  | 58    | 334      | 1.180    | ug/l # | 44       |
| 18) Methylene Chloride      | 2.782  | 84    | 1074     | 0.573    | ug/l # | 82       |
| 25) Chloroform              | 5.099  | 83    | 6580     | 2.220    | ug/l   | 98       |
| 56) Bromoform               | 11.085 | 173   | 451      | 0.316    | ug/l # | 1        |
| 58) 4-Methyl-2-Pentanone    | 8.647  | 43    | 635      | 0.275    | ug/l # | 1        |
| 77) t-1,4-Dichloro-2-butene | 11.079 | 75    | 25065    | 33.651   | ug/l # | 7        |
| -----                       |        |       |          |          |        |          |

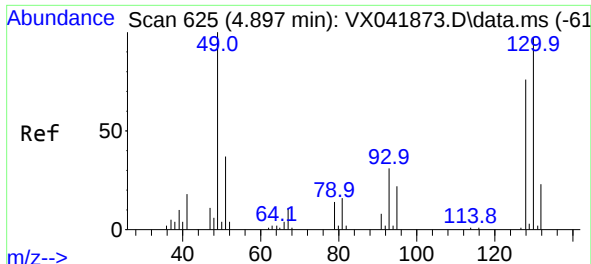
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070924\  
Data File : VX042245.D  
Acq On : 09 Jul 2024 13:19  
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Sample : P3150-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

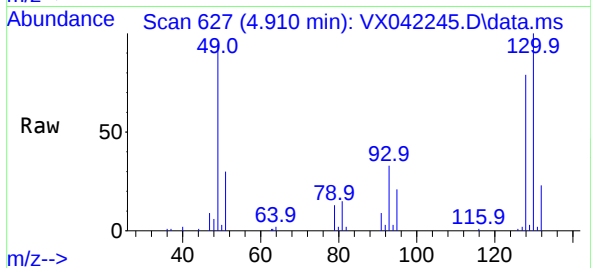
Quant Time: Jul 09 17:53:25 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X061424W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Jun 15 04:02:59 2024  
Response via : Initial Calibration



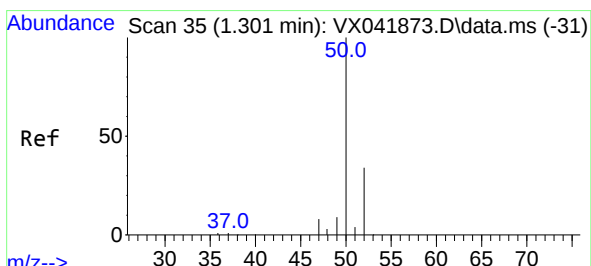
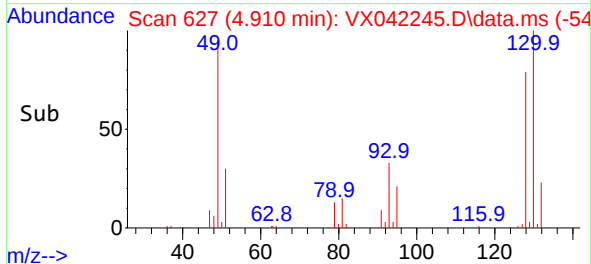
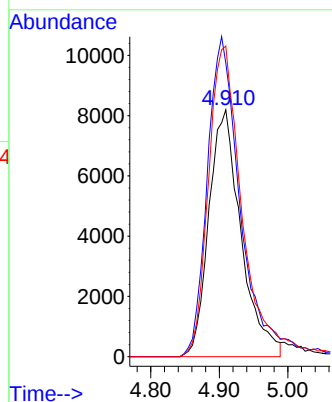


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.910 min Scan# 61  
Delta R.T. 0.013 min  
Lab File: VX042245.D  
Acq: 09 Jul 2024 13:19

Instrument :  
MSVOA\_X  
ClientSampleId :

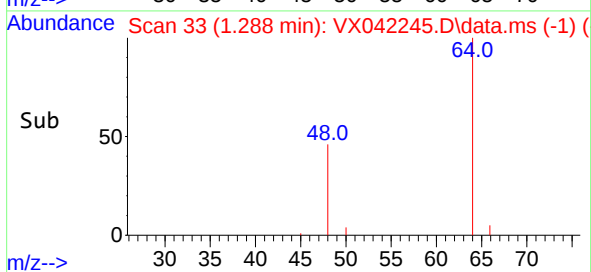
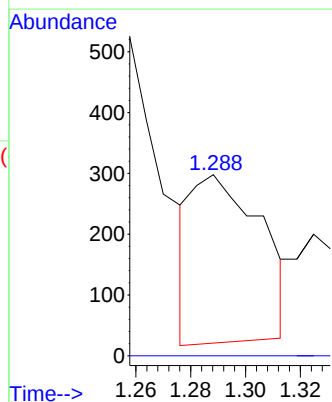
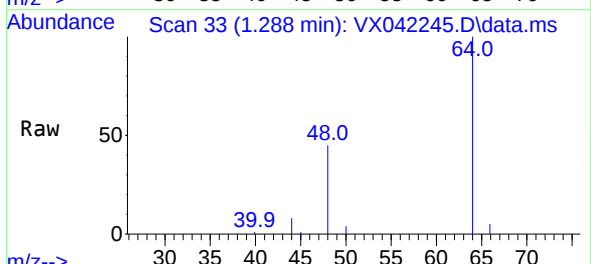


Tgt Ion:128 Resp: 26757  
Ion Ratio Lower Upper  
128 100  
49 129.8 0.0 338.5  
130 132.8 0.0 324.5

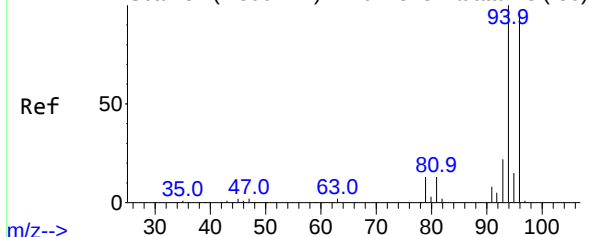


#3  
Chloromethane  
Concen: 0.249 ug/l  
RT: 1.288 min Scan# 33  
Delta R.T. -0.012 min  
Lab File: VX042245.D  
Acq: 09 Jul 2024 13:19

Tgt Ion: 50 Resp: 483  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.9 40.3#



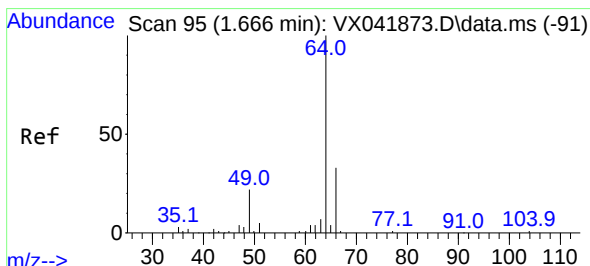
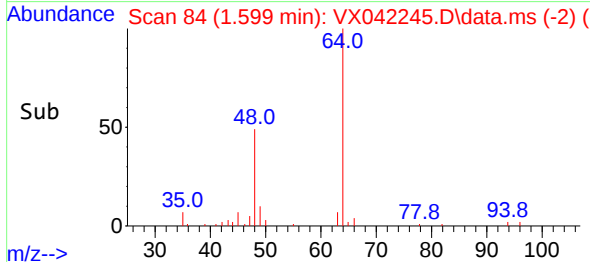
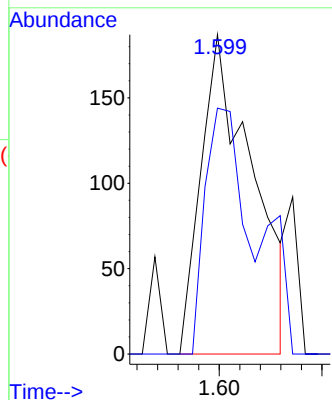
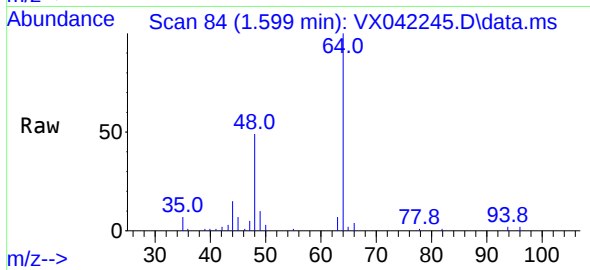
Abundance Scan 84 (1.599 min): VX041873.D\data.ms (-80)



#5  
Bromomethane  
Concen: 0.320 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VX042245.D  
Acq: 09 Jul 2024 13:19

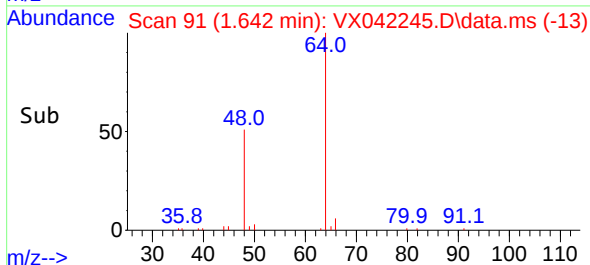
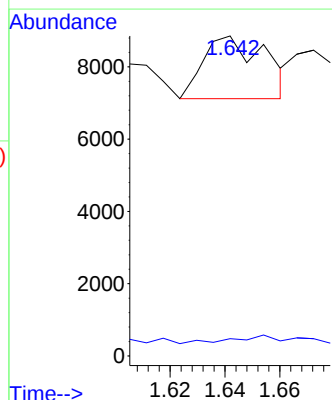
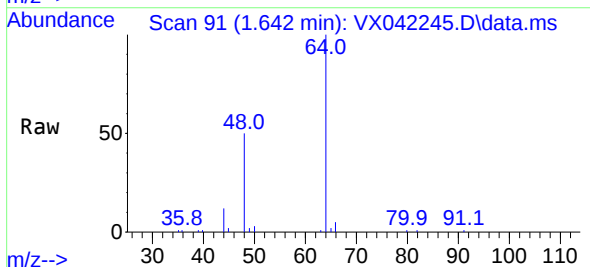
Instrument :  
MSVOA\_X  
ClientSampleId :

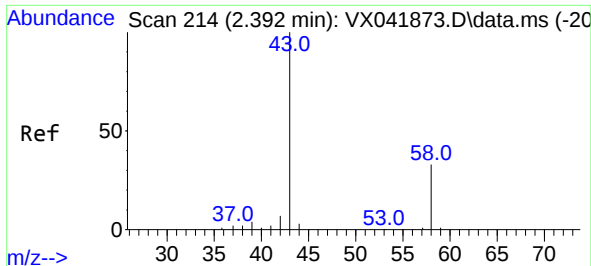
Tgt Ion: 94 Resp: 324  
Ion Ratio Lower Upper  
94 100  
96 77.0 76.6 115.0



#6  
Chloroethane  
Concen: 3.325 ug/l  
RT: 1.642 min Scan# 91  
Delta R.T. -0.024 min  
Lab File: VX042245.D  
Acq: 09 Jul 2024 13:19

Tgt Ion: 64 Resp: 2690  
Ion Ratio Lower Upper  
64 100  
66 8.0 26.4 39.6#

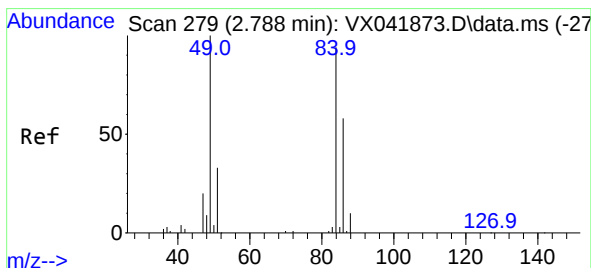
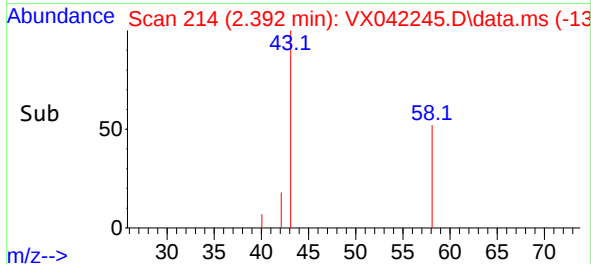
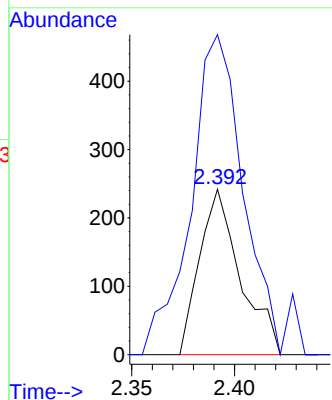
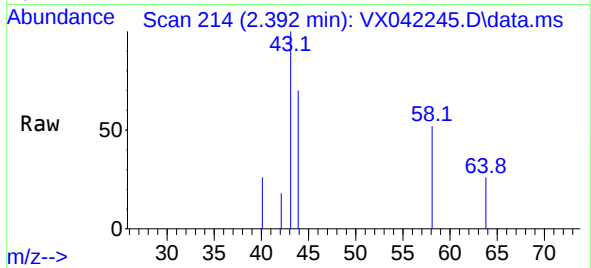




#15  
Acetone  
Concen: 1.180 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX042245.D  
Acq: 09 Jul 2024 13:19

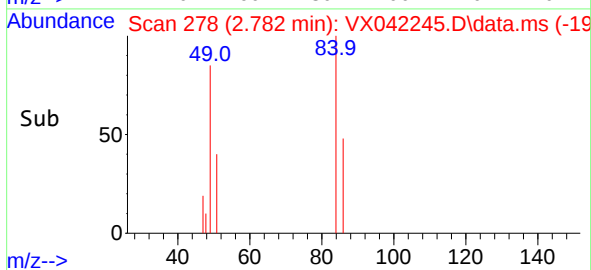
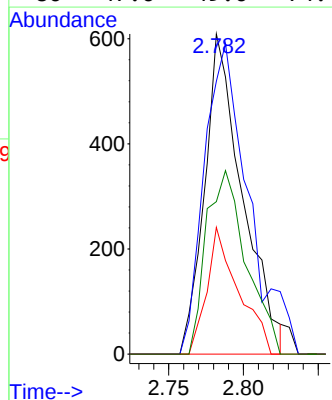
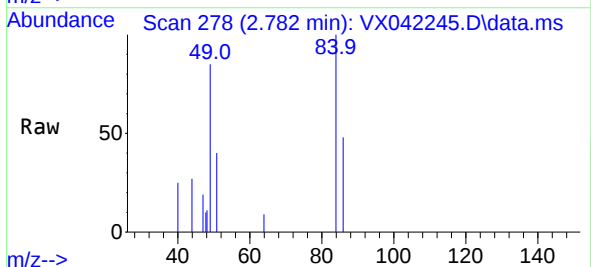
Instrument :  
MSVOA\_X  
ClientSampleId :

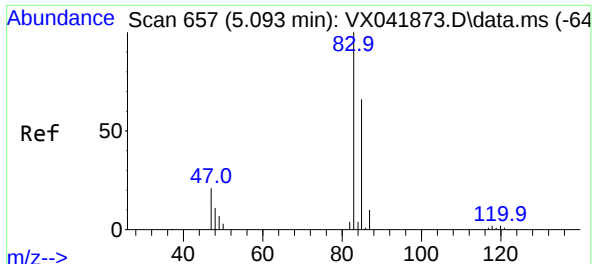
Tgt Ion: 58 Resp: 334  
Ion Ratio Lower Upper  
58 100  
43 193.4 243.4 365.2#



#18  
Methylene Chloride  
Concen: 0.573 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.006 min  
Lab File: VX042245.D  
Acq: 09 Jul 2024 13:19

Tgt Ion: 84 Resp: 1074  
Ion Ratio Lower Upper  
84 100  
49 85.2 85.3 127.9#  
51 39.6 28.5 42.7  
86 47.6 49.6 74.4#





#25

Chloroform

Concen: 2.220 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX042245.D

Acq: 09 Jul 2024 13:19

Instrument :

MSVOA\_X

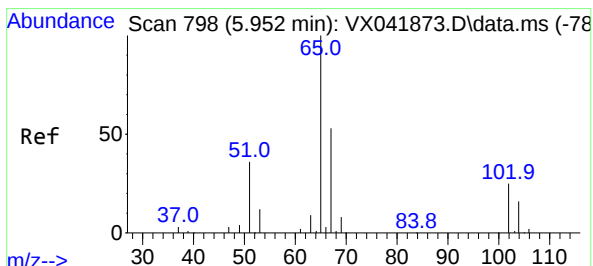
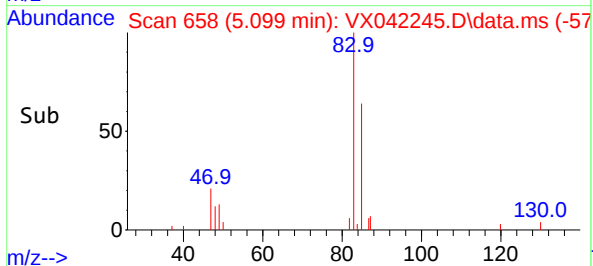
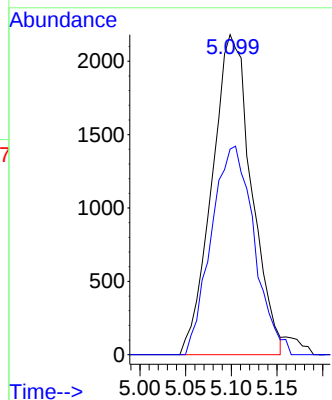
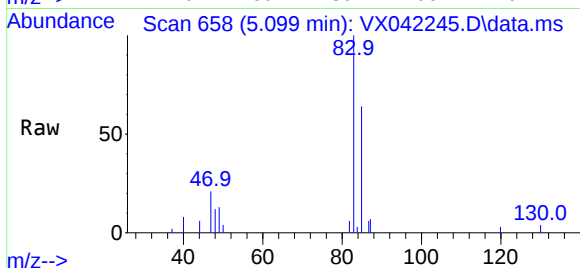
ClientSampleId :

Tgt Ion: 83 Resp: 6580

Ion Ratio Lower Upper

83 100

85 64.3 52.7 79.1



#27

1,2-Dichloroethane-d4

Concen: 30.530 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX042245.D

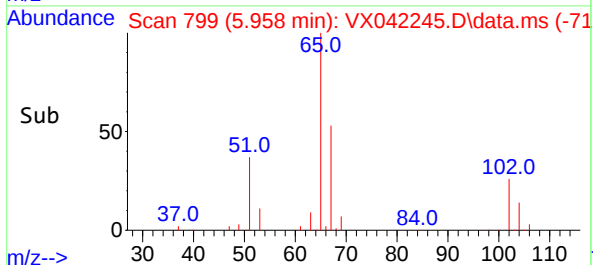
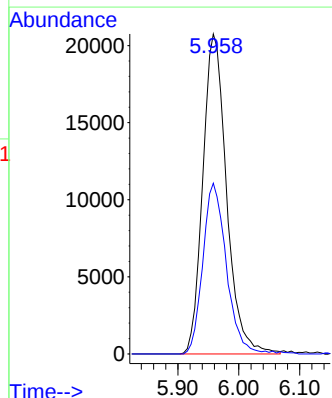
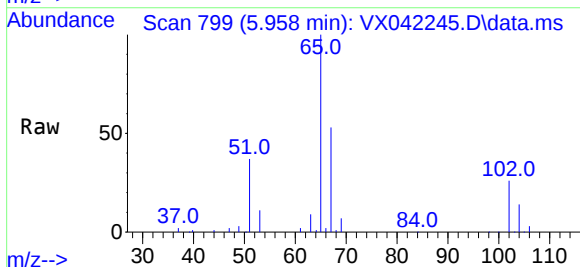
Acq: 09 Jul 2024 13:19

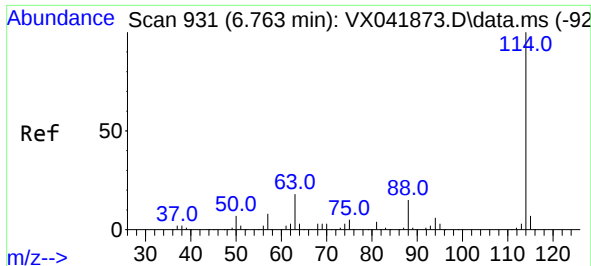
Tgt Ion: 65 Resp: 56234

Ion Ratio Lower Upper

65 100

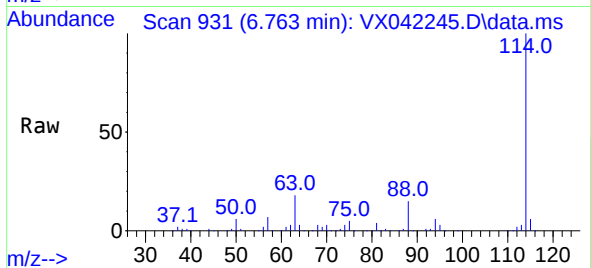
67 52.5 43.4 65.0



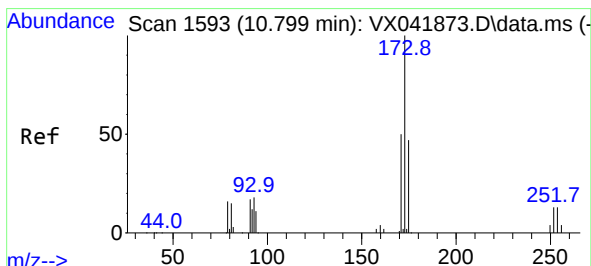
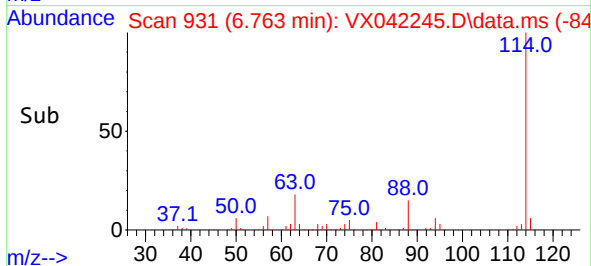
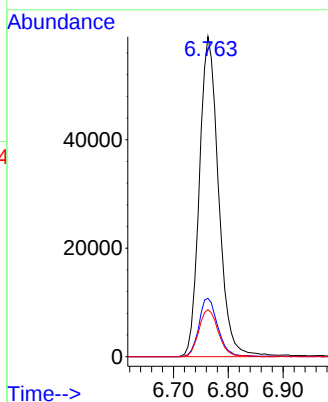


#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX042245.D  
Acq: 09 Jul 2024 13:19

Instrument :  
MSVOA\_X  
ClientSampleId :

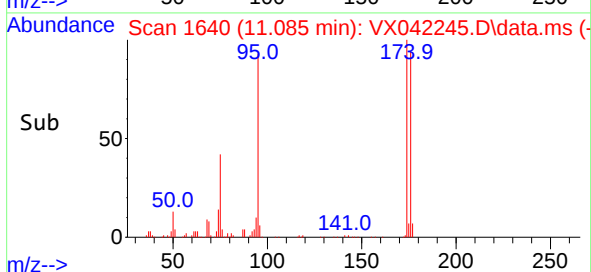
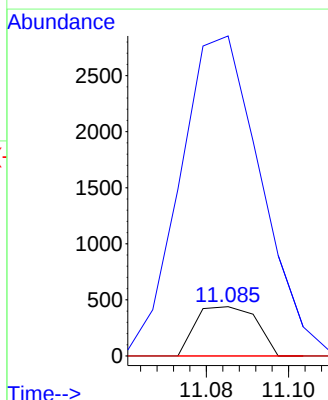
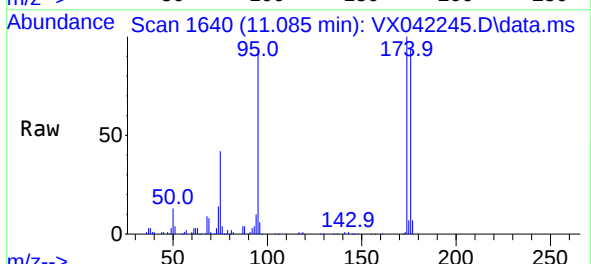


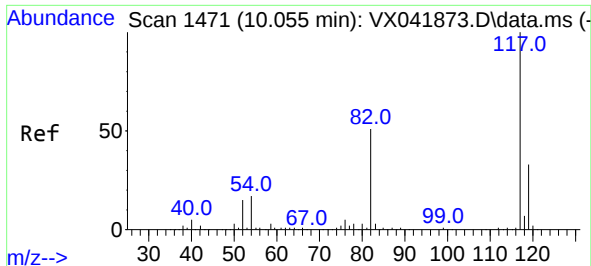
Tgt Ion:114 Resp: 143458  
Ion Ratio Lower Upper  
114 100  
63 17.9 14.6 21.8  
88 14.8 11.8 17.8



#56  
Bromoform  
Concen: 0.316 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.286 min  
Lab File: VX042245.D  
Acq: 09 Jul 2024 13:19

Tgt Ion:173 Resp: 451  
Ion Ratio Lower Upper  
173 100  
175 874.3 39.3 58.9#  
254 0.0 9.6 14.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 14

Delta R.T. -0.000 min

Lab File: VX042245.D

Acq: 09 Jul 2024 13:19

Instrument :

MSVOA\_X

ClientSampleId :

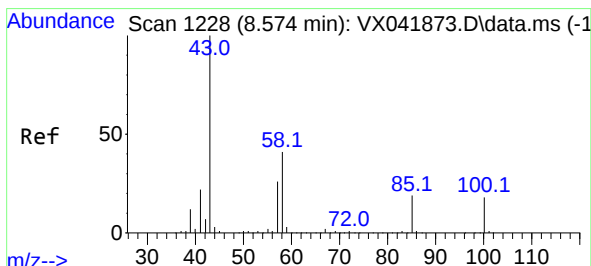
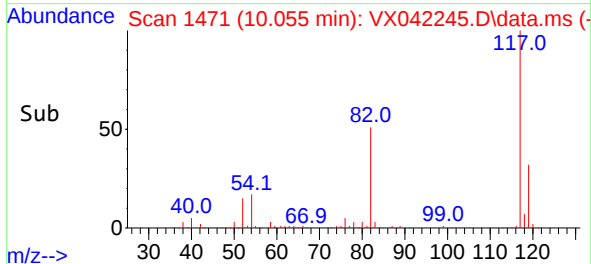
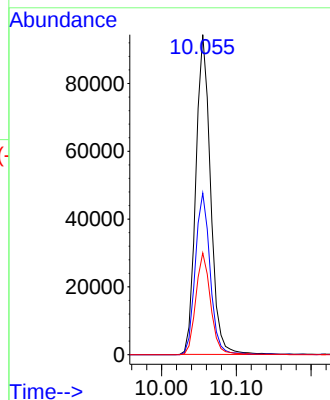
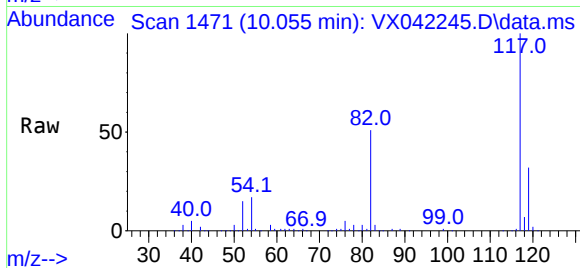
Tgt Ion:117 Resp: 128763

Ion Ratio Lower Upper

117 100

82 51.0 41.1 61.7

119 31.9 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 0.275 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX042245.D

Acq: 09 Jul 2024 13:19

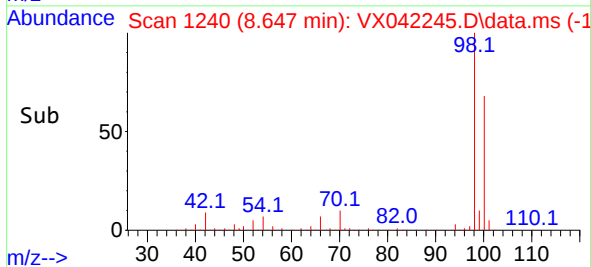
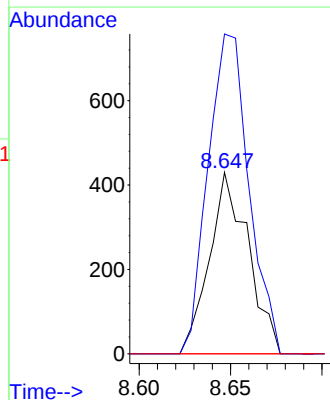
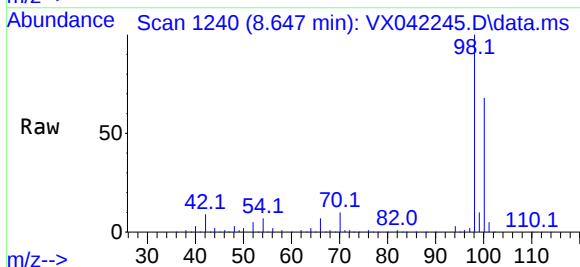
Tgt Ion: 43 Resp: 635

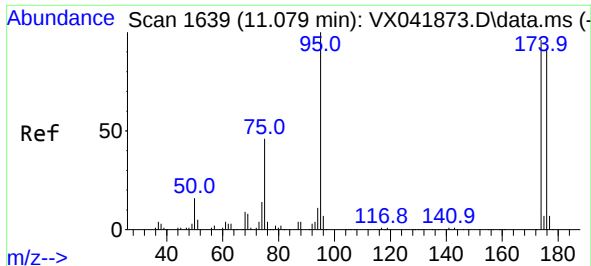
Ion Ratio Lower Upper

43 100

58 186.3 33.2 49.8#

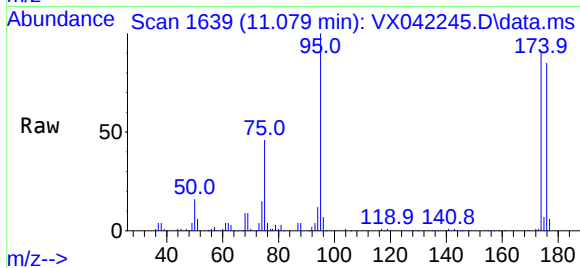
85 0.0 15.5 23.3#



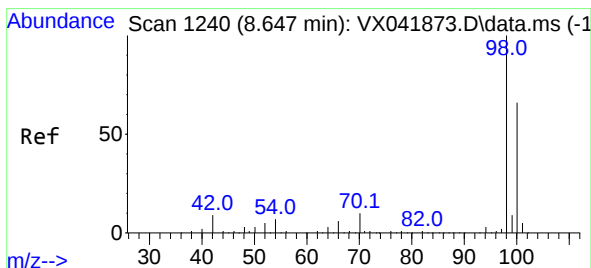
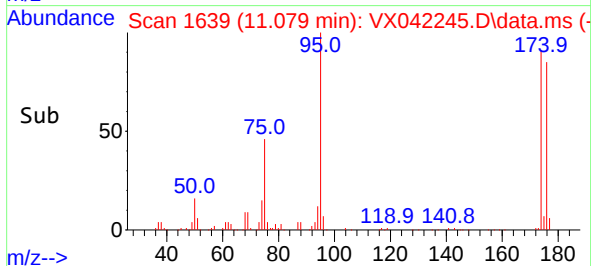
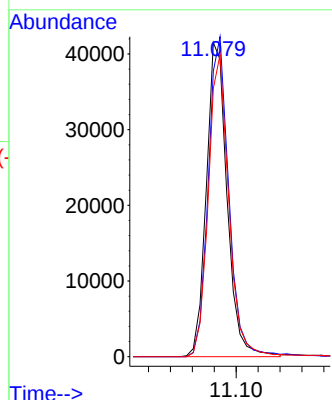


#60  
4-Bromofluorobenzene  
Concen: 27.345 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX042245.D  
Acq: 09 Jul 2024 13:19

Instrument :  
MSVOA\_X  
ClientSampleId :

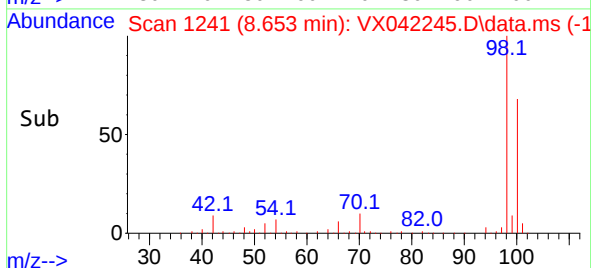
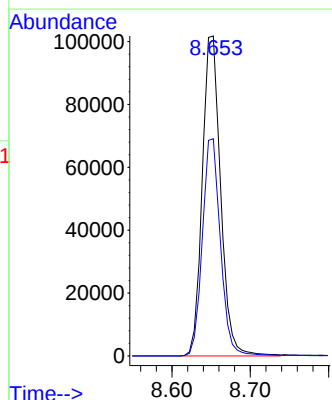
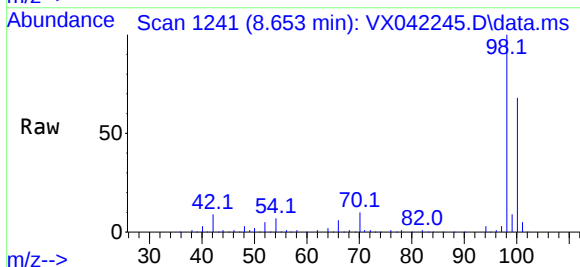


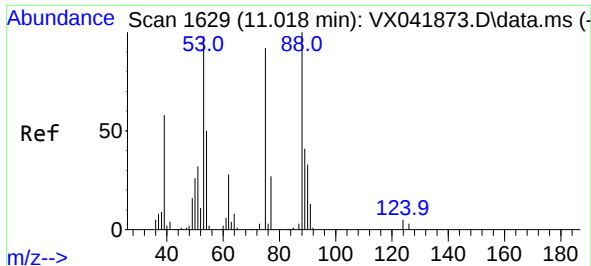
Tgt Ion: 95 Resp: 54503  
Ion Ratio Lower Upper  
95 100  
174 101.6 78.9 118.3  
176 95.1 77.1 115.7



#63  
Toluene-d8  
Concen: 30.108 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX042245.D  
Acq: 09 Jul 2024 13:19

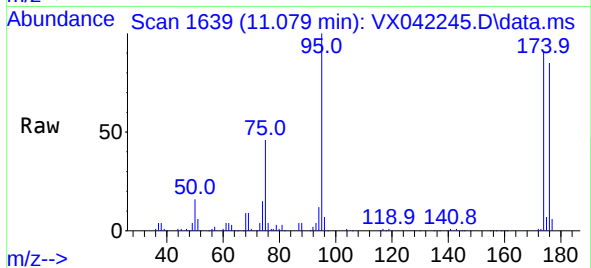
Tgt Ion: 98 Resp: 165865  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.7 79.1





#77  
 t-1,4-Dichloro-2-butene  
 Concen: 33.651 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX042245.D  
 Acq: 09 Jul 2024 13:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 25065  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 53.4  | 160.2# |
| 89       | 0.0   | 22.5  | 67.5#  |

