

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080824\  
 Data File : VX042970.D  
 Acq On : 09 Aug 2024 04:30  
 Operator : JC/MD  
 Sample : P3458-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 09 05:51:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 07 02:55:22 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 149464   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 288248   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 271812   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 108940   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 131859   | 64.264   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 128.520%# |
| 35) Dibromofluoromethane    | 5.385  | 113   | 108715   | 57.683   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 115.360%  |
| 50) Toluene-d8              | 8.647  | 98    | 339036   | 50.672   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 101.340%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 119084   | 49.530   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 99.060%   |

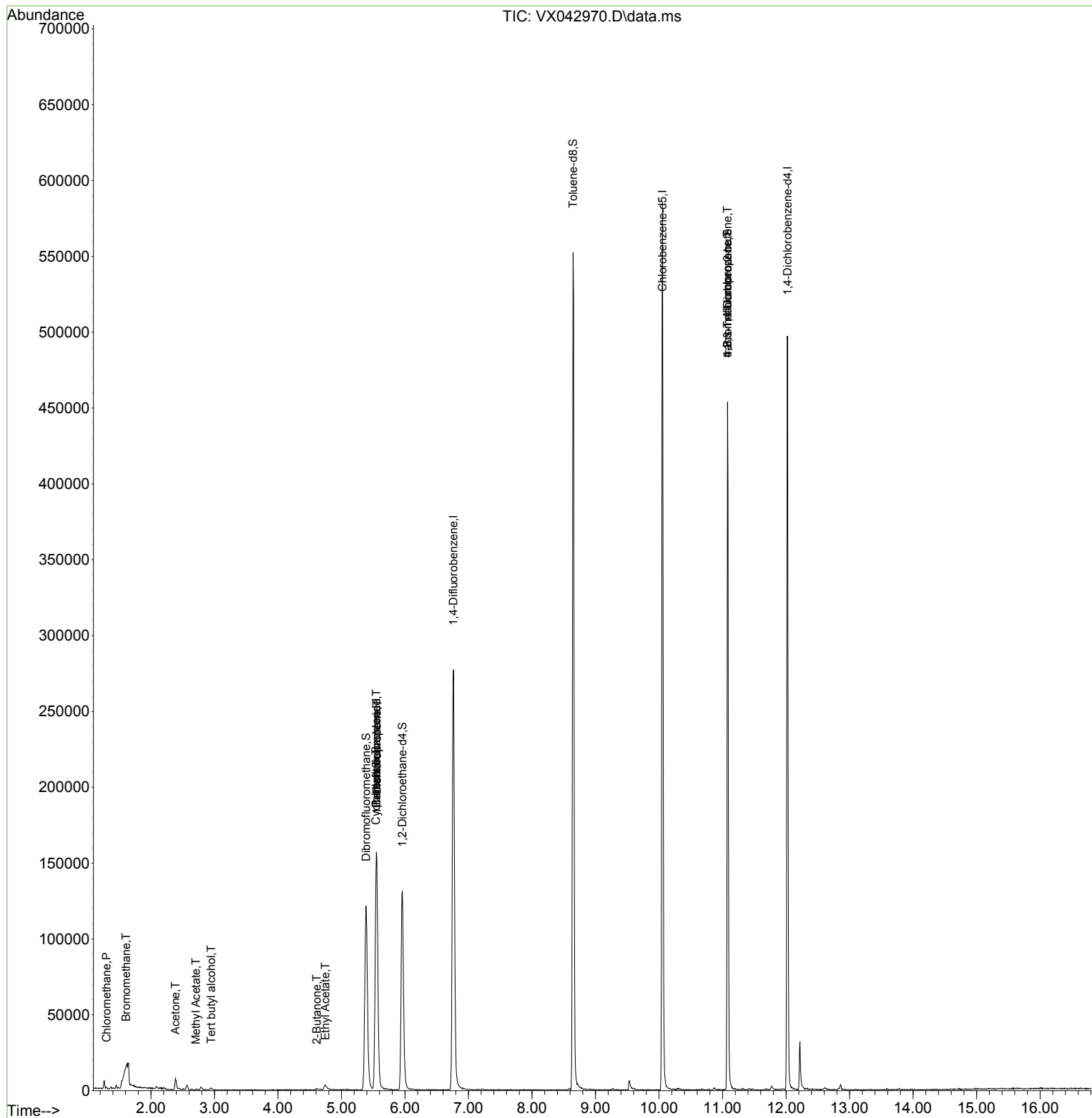
| Target Compounds              |        |     |       |           | Qvalue |    |
|-------------------------------|--------|-----|-------|-----------|--------|----|
| 3) Chloromethane              | 1.301  | 50  | 846   | 0.482     | ug/l # | 84 |
| 5) Bromomethane               | 1.605  | 94  | 530   | 0.526     | ug/l # | 71 |
| 11) Tert butyl alcohol        | 2.947  | 59  | 1028  | 2.519     | ug/l # | 78 |
| 16) Acetone                   | 2.386  | 43  | 8424  | 9.466     | ug/l   | 95 |
| 18) Methyl Acetate            | 2.709  | 43  | 599   | 0.212     | ug/l # | 63 |
| 20) Methylene Chloride        | 2.788  | 84  | 1046  | Below Cal | #      | 74 |
| 25) 2-Butanone                | 4.611  | 43  | 931   | 0.666     | ug/l # | 64 |
| 31) Cyclohexane               | 5.544  | 56  | 3270  | 1.274     | ug/l # | 27 |
| 36) 1,1-Dichloropropene       | 5.556  | 75  | 12723 | 4.979     | ug/l # | 48 |
| 37) Ethyl Acetate             | 4.745  | 43  | 6151  | 1.924     | ug/l # | 93 |
| 38) Carbon Tetrachloride      | 5.550  | 117 | 15517 | 5.379     | ug/l # | 15 |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 61766 | 25.210    | ug/l # | 39 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 61766 | 81.972    | ug/l # | 5  |

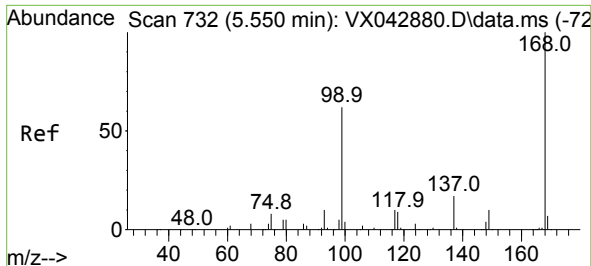
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P3458-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

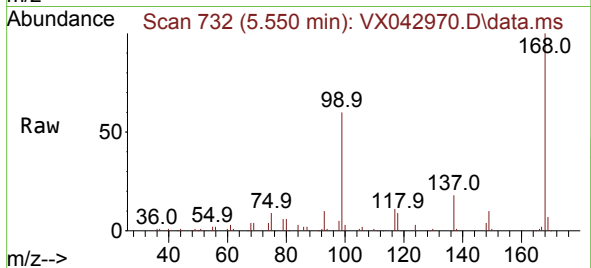
Quant Time: Aug 09 05:51:52 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X080724W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 07 02:55:22 2024  
Response via : Initial Calibration



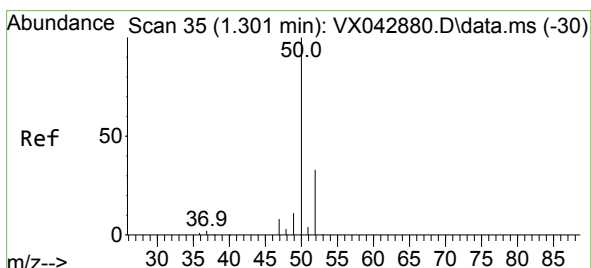
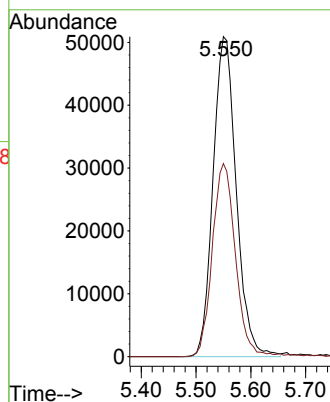
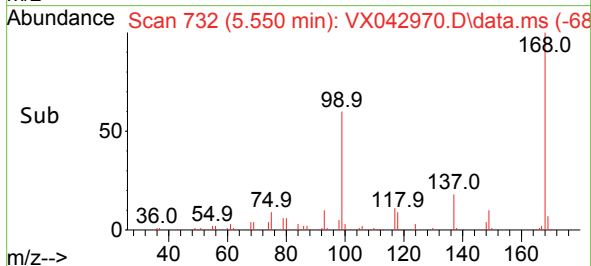


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Instrument :  
MSVOA\_X  
ClientSampleId :

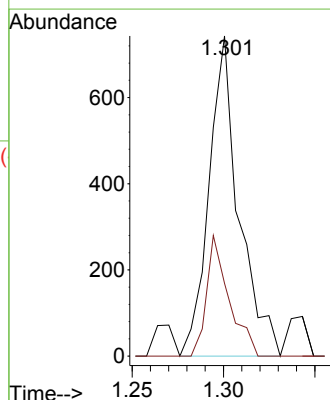
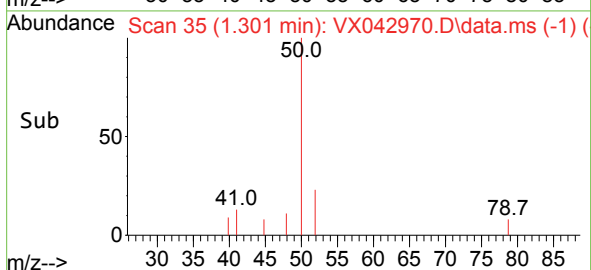
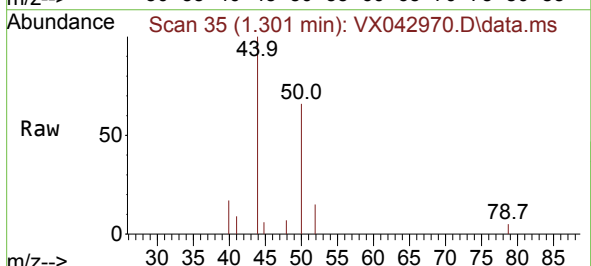


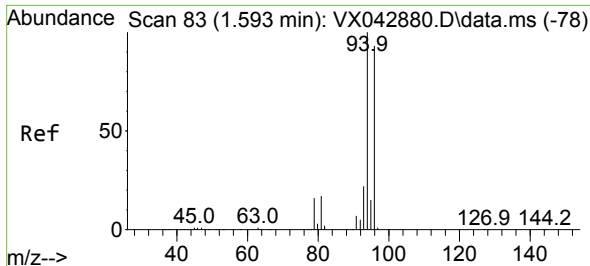
Tgt Ion:168 Resp: 149464  
Ion Ratio Lower Upper  
168 100  
99 60.3 56.6 85.0



#3  
Chloromethane  
Concen: 0.482 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. -0.000 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Tgt Ion: 50 Resp: 846  
Ion Ratio Lower Upper  
50 100  
52 22.7 25.5 38.3#

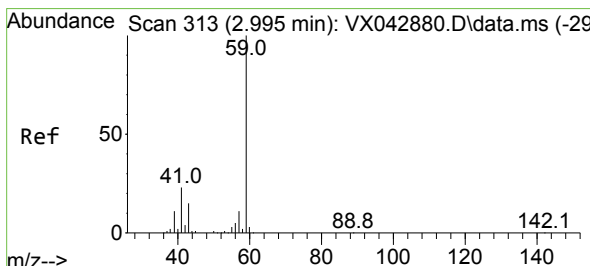
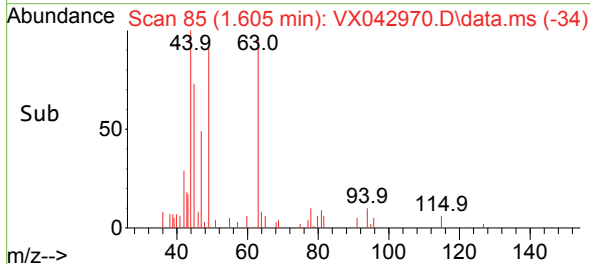
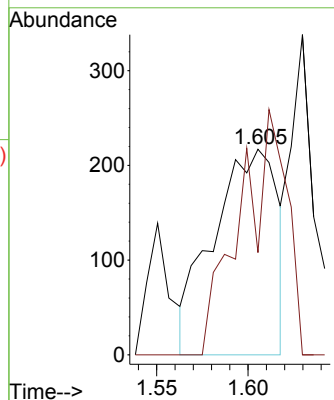
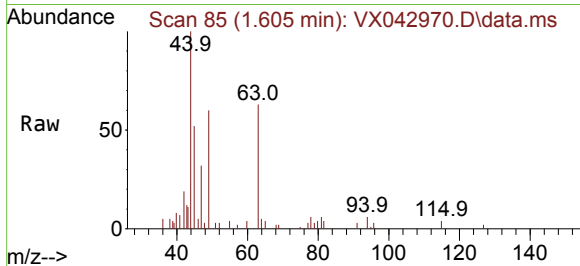




#5  
Bromomethane  
Concen: 0.526 ug/l  
RT: 1.605 min Scan# 81  
Delta R.T. 0.012 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

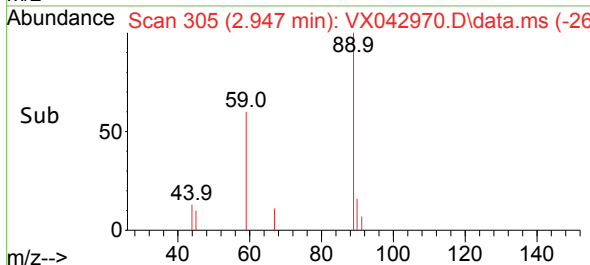
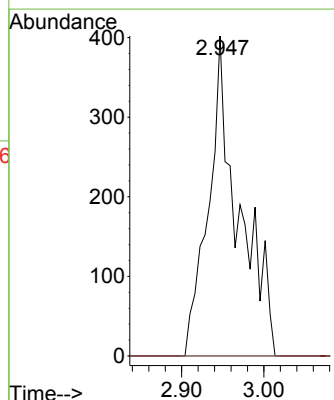
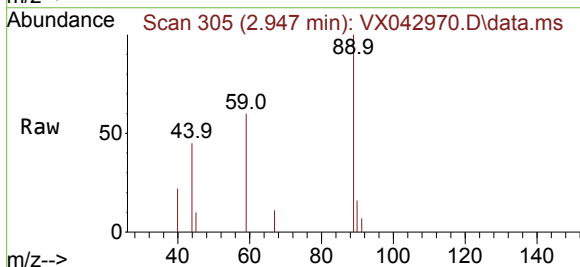
Instrument :  
MSVOA\_X  
ClientSampleId :

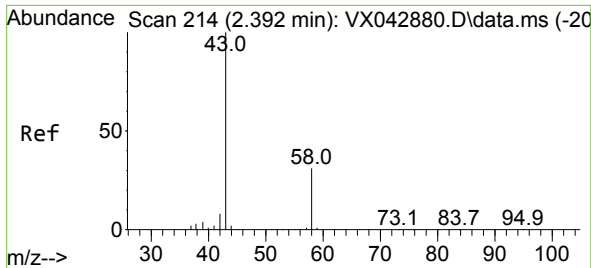
Tgt Ion: 94 Resp: 530  
Ion Ratio Lower Upper  
94 100  
96 65.1 74.6 111.8#



#11  
Tert butyl alcohol  
Concen: 2.519 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.049 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Tgt Ion: 59 Resp: 1028  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

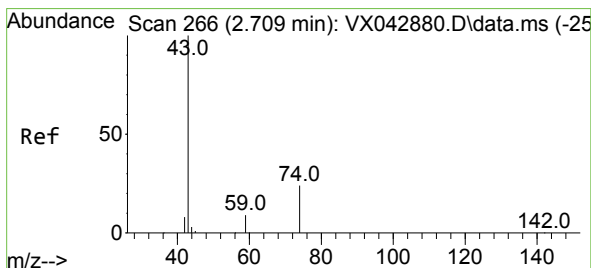
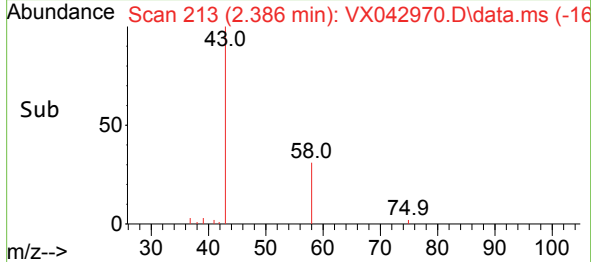
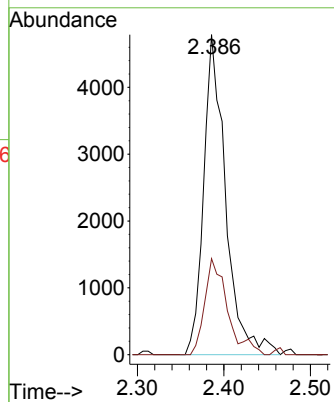
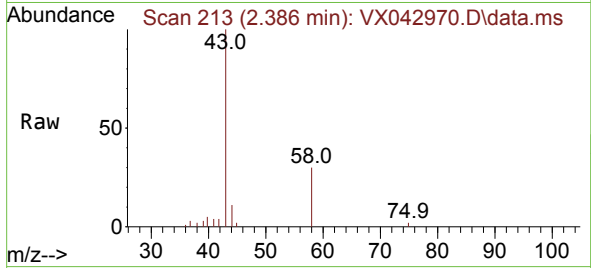




#16  
Acetone  
Concen: 9.466 ug/l  
RT: 2.386 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

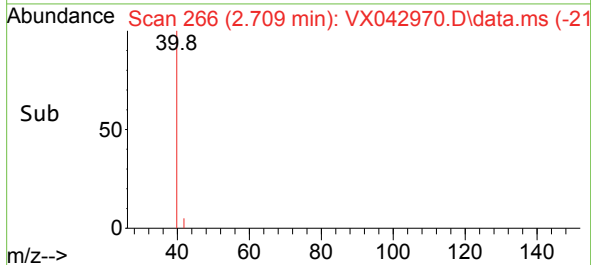
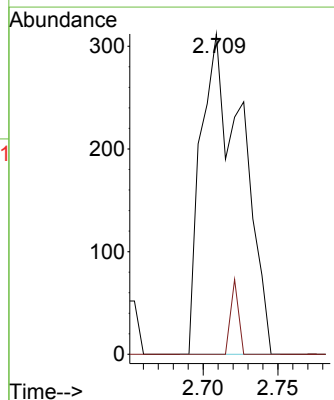
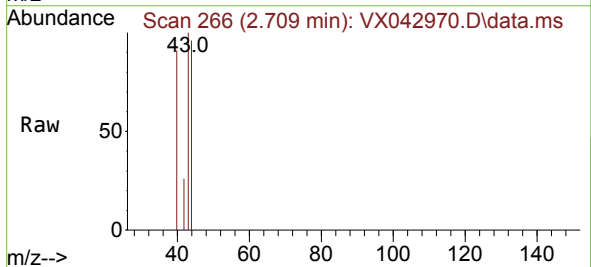
Instrument :  
MSVOA\_X  
ClientSampleId :

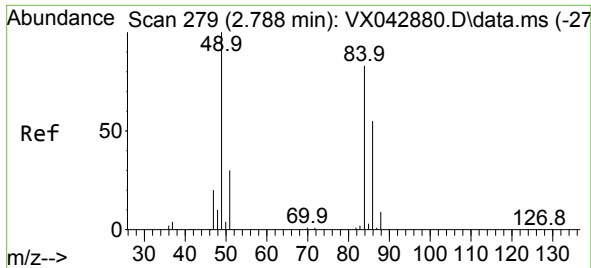
Tgt Ion: 43 Resp: 8424  
Ion Ratio Lower Upper  
43 100  
58 30.0 21.9 32.9



#18  
Methyl Acetate  
Concen: 0.212 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. -0.000 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

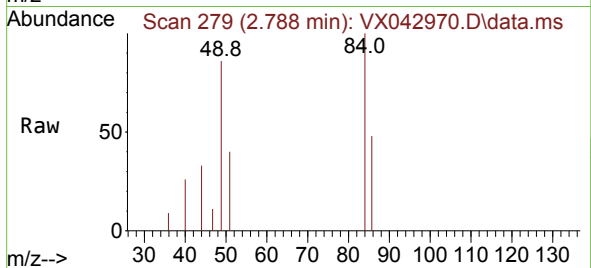
Tgt Ion: 43 Resp: 599  
Ion Ratio Lower Upper  
43 100  
74 4.5 17.8 26.8#



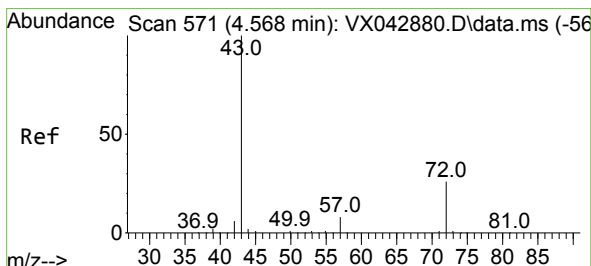
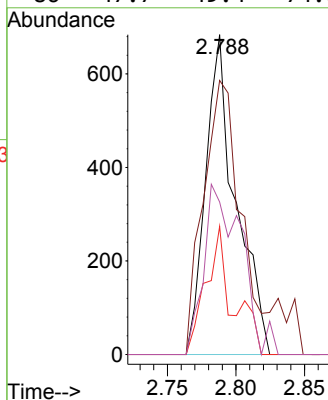
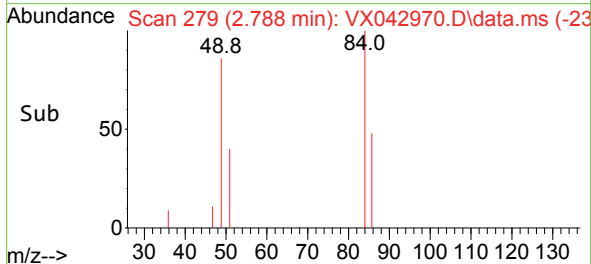


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Instrument :  
MSVOA\_X  
ClientSampleId :

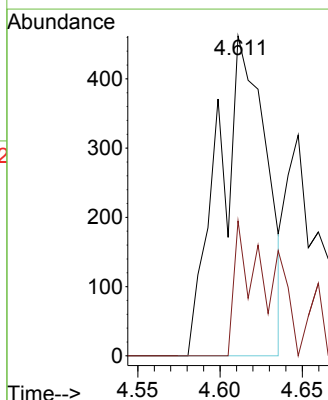
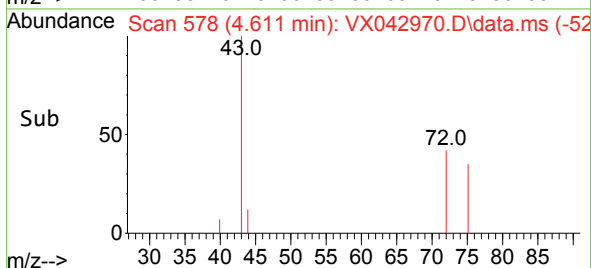
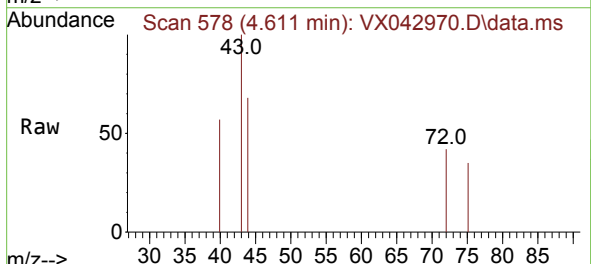


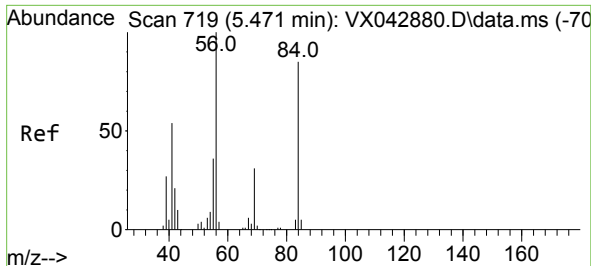
Tgt Ion: 84 Resp: 1046  
Ion Ratio Lower Upper  
84 100  
49 85.7 103.6 155.4#  
51 40.1 33.8 50.6  
86 47.7 49.4 74.0#



#25  
2-Butanone  
Concen: 0.666 ug/l  
RT: 4.611 min Scan# 578  
Delta R.T. 0.043 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

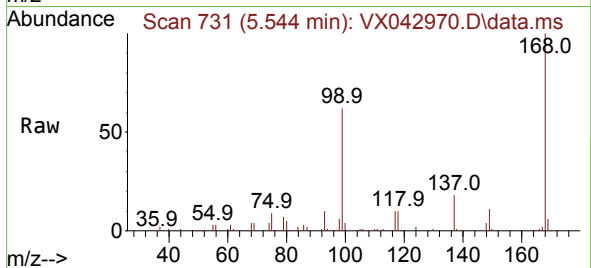
Tgt Ion: 43 Resp: 931  
Ion Ratio Lower Upper  
43 100  
72 42.2 19.4 29.2#



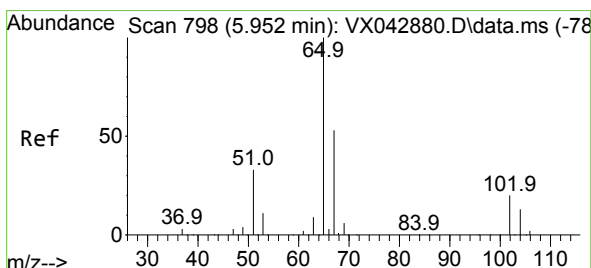
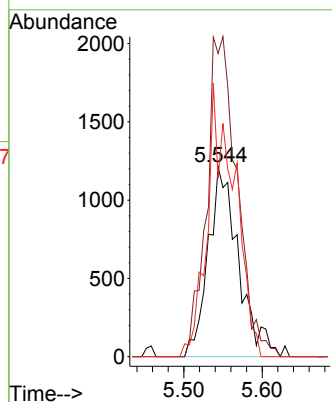
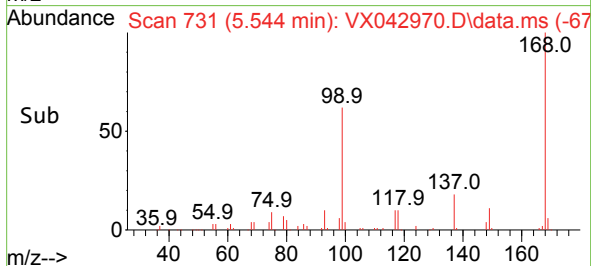


#31  
Cyclohexane  
Concen: 1.274 ug/l  
RT: 5.544 min Scan# 719  
Delta R.T. 0.073 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Instrument :  
MSVOA\_X  
ClientSampleId :

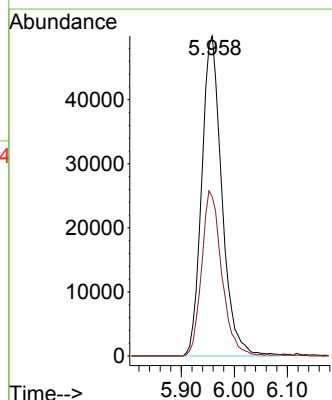
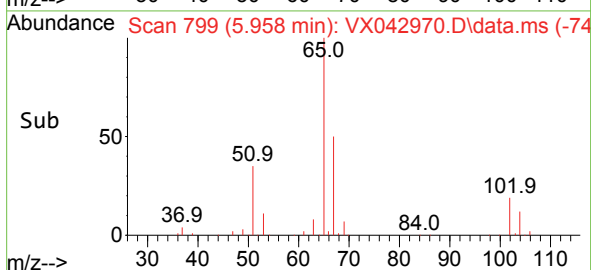
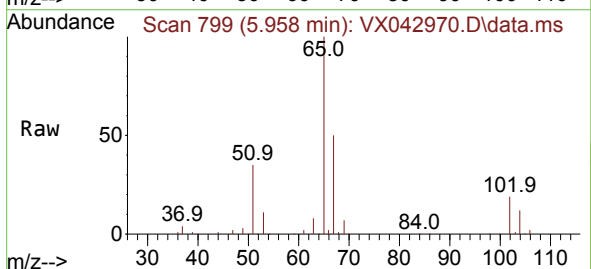


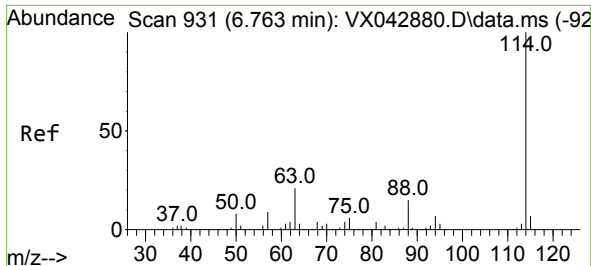
Tgt Ion: 56 Resp: 3270  
Ion Ratio Lower Upper  
56 100  
69 159.7 23.4 35.2#  
84 94.0 65.9 98.9



#33  
1,2-Dichloroethane-d4  
Concen: 64.264 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Tgt Ion: 65 Resp: 131859  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 100.2

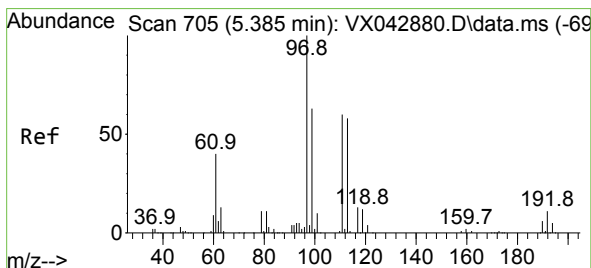
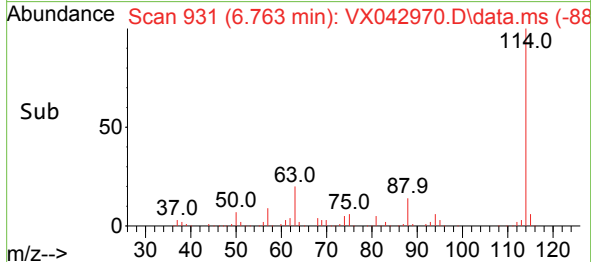
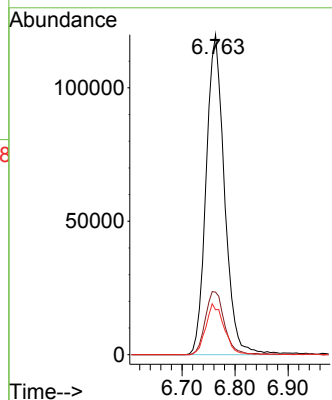
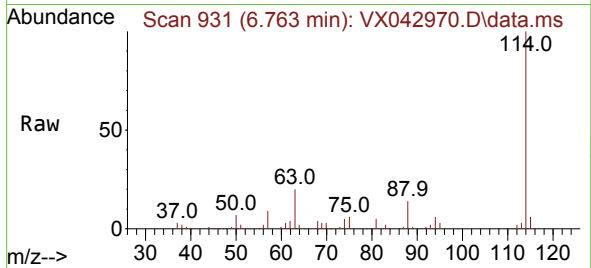




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

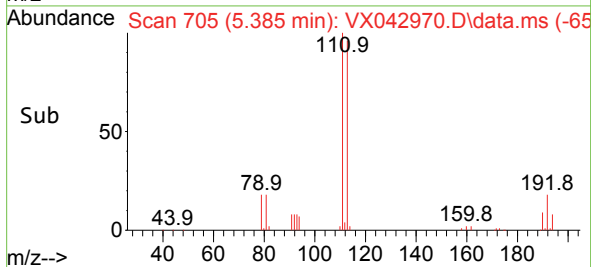
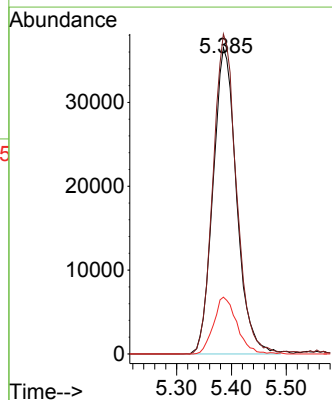
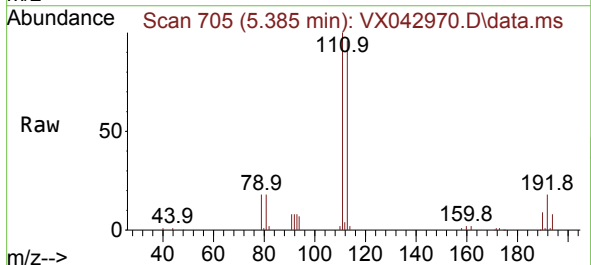
Instrument :  
MSVOA\_X  
ClientSampleId :

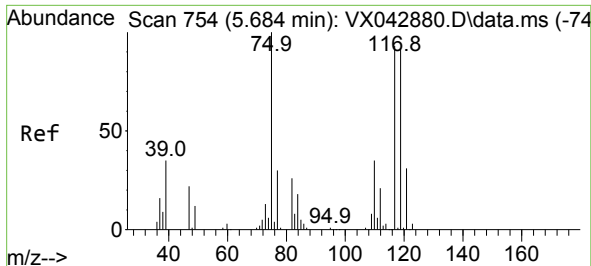
Tgt Ion:114 Resp: 288248  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 45.0  
88 14.0 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 57.683 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Tgt Ion:113 Resp: 108715  
Ion Ratio Lower Upper  
113 100  
111 104.1 82.9 124.3  
192 18.5 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.979 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.128 min

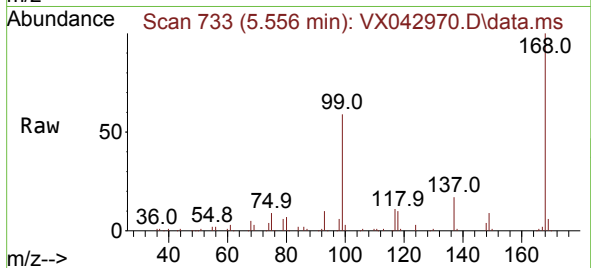
Lab File: VX042970.D

Acq: 09 Aug 2024 04:30

Instrument :

MSVOA\_X

ClientSampleId :



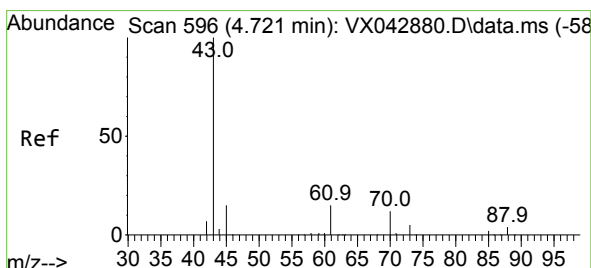
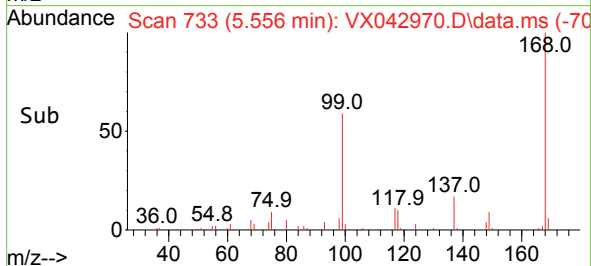
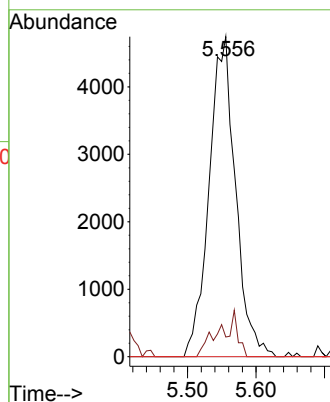
Tgt Ion: 75 Resp: 12723

Ion Ratio Lower Upper

75 100

110 5.8 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.924 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

Lab File: VX042970.D

Acq: 09 Aug 2024 04:30

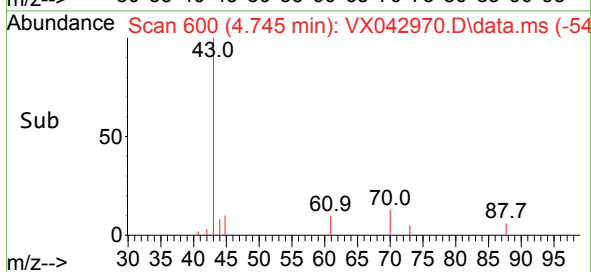
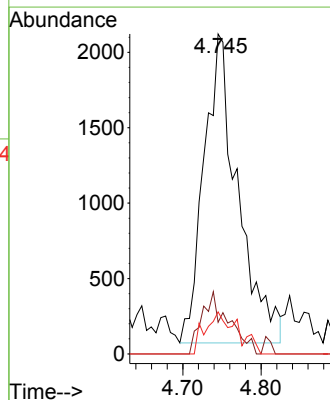
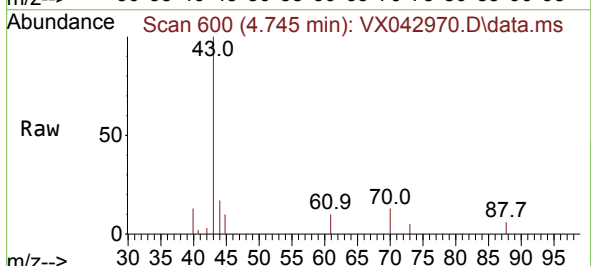
Tgt Ion: 43 Resp: 6151

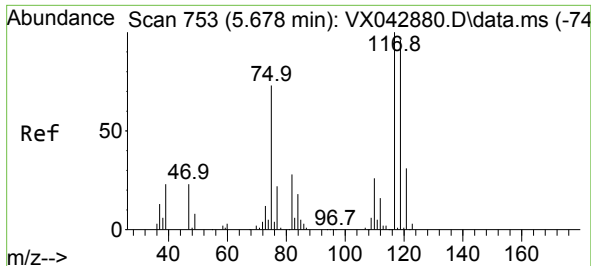
Ion Ratio Lower Upper

43 100

61 16.0 10.6 16.0#

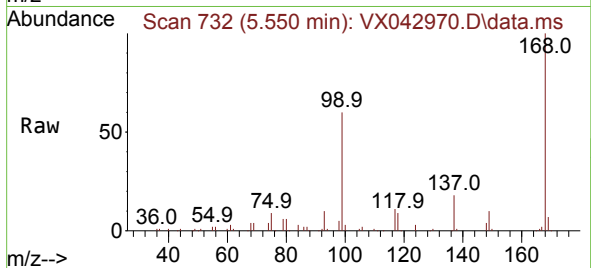
70 12.9 8.3 12.5#



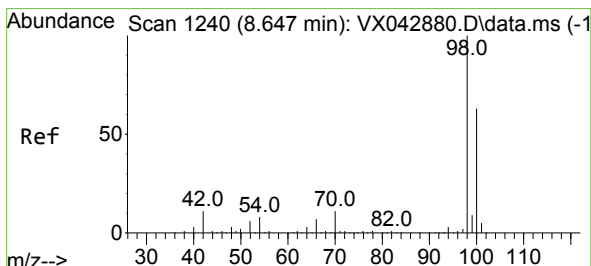
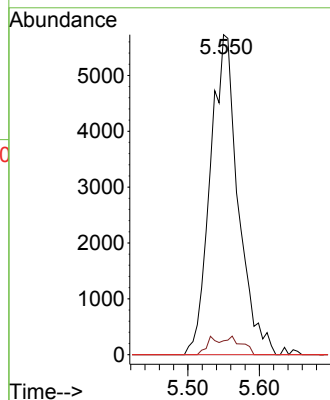
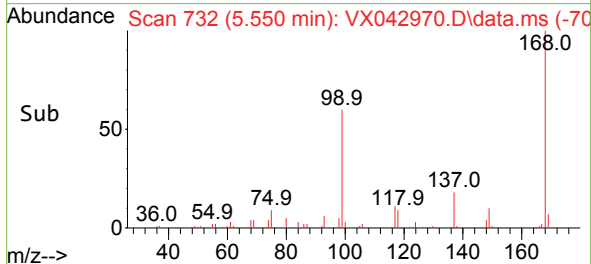


#38  
Carbon Tetrachloride  
Concen: 5.379 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Instrument :  
MSVOA\_X  
ClientSampleId :

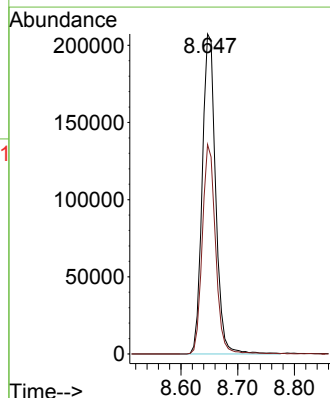
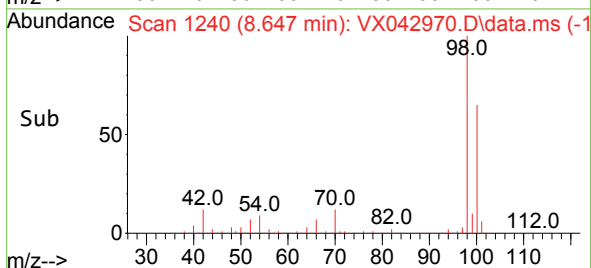
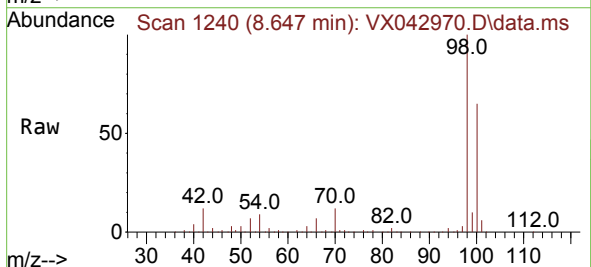


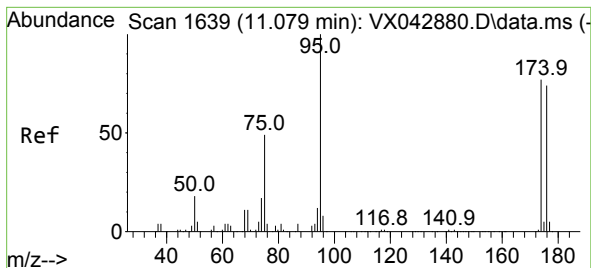
Tgt Ion:117 Resp: 15517  
Ion Ratio Lower Upper  
117 100  
119 4.3 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 50.672 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Tgt Ion: 98 Resp: 339036  
Ion Ratio Lower Upper  
98 100  
100 64.9 53.1 79.7

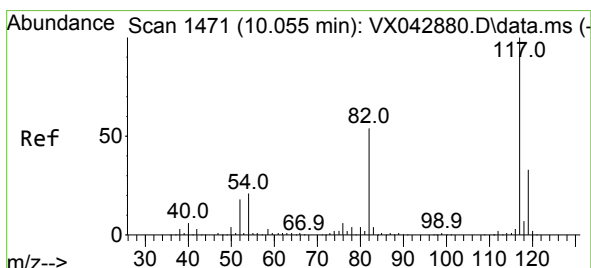
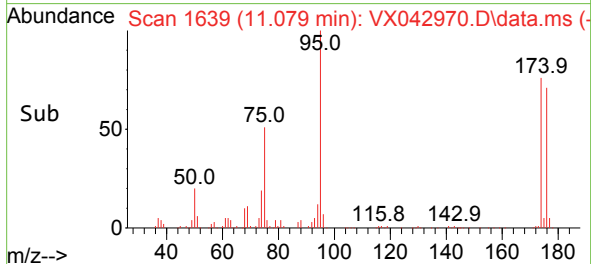
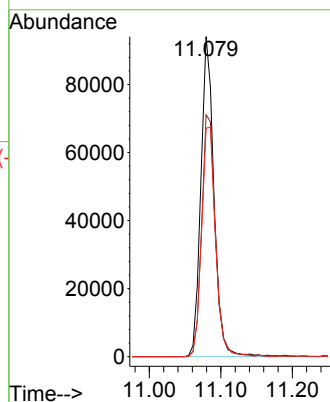
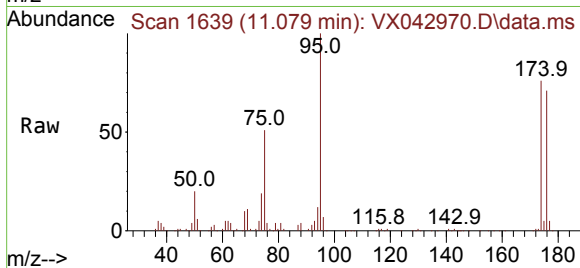




#62  
4-Bromofluorobenzene  
Concen: 49.530 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

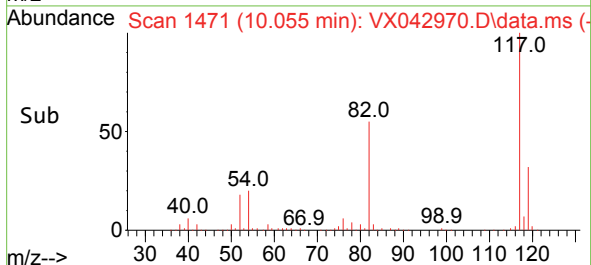
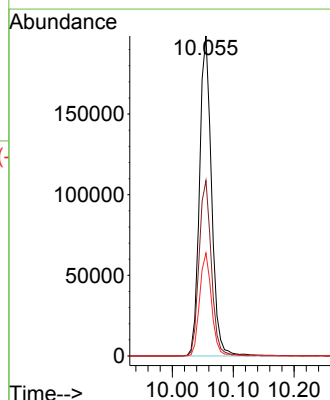
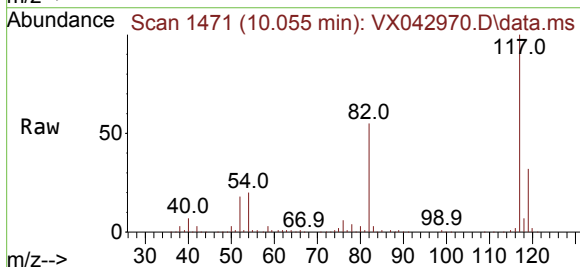
Instrument :  
MSVOA\_X  
ClientSampleId :

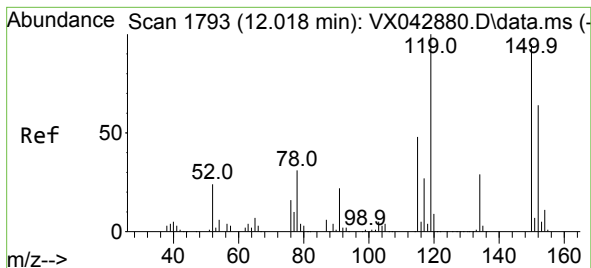
Tgt Ion: 95 Resp: 119084  
Ion Ratio Lower Upper  
95 100  
174 80.4 0.0 135.6  
176 76.8 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Tgt Ion: 117 Resp: 271812  
Ion Ratio Lower Upper  
117 100  
82 54.8 46.2 69.4  
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX042970.D

Acq: 09 Aug 2024 04:30

Instrument :

MSVOA\_X

ClientSampleId :

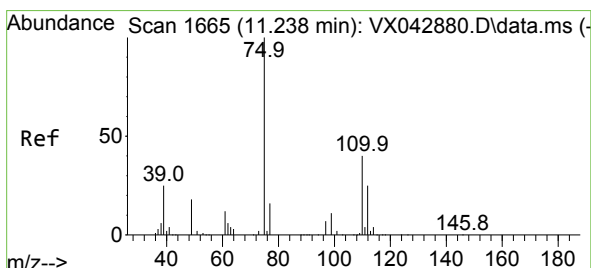
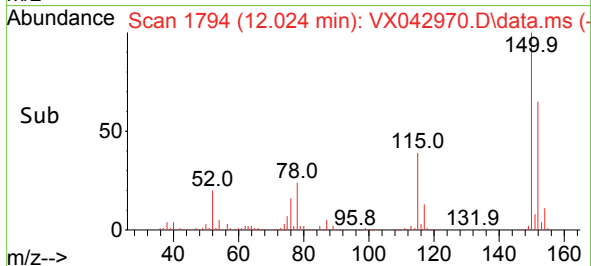
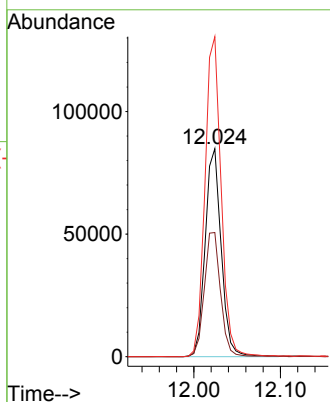
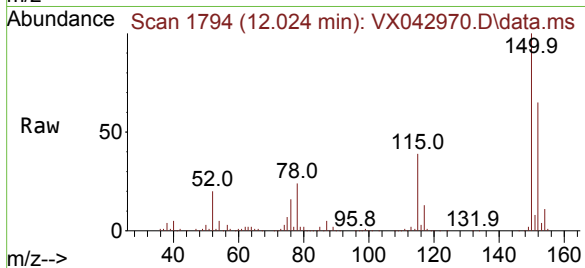
Tgt Ion:152 Resp: 108940

Ion Ratio Lower Upper

152 100

115 60.8 43.3 129.9

150 155.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.210 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042970.D

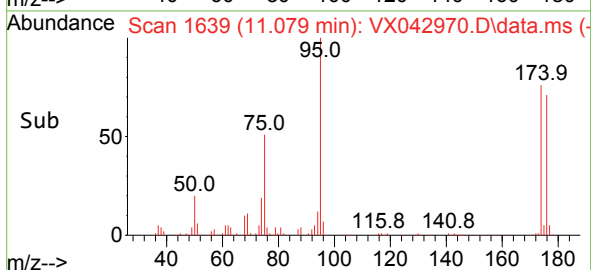
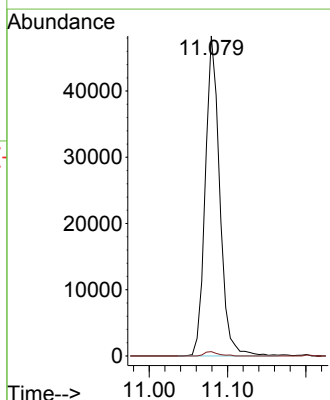
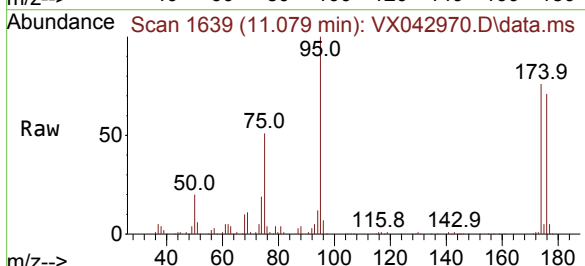
Acq: 09 Aug 2024 04:30

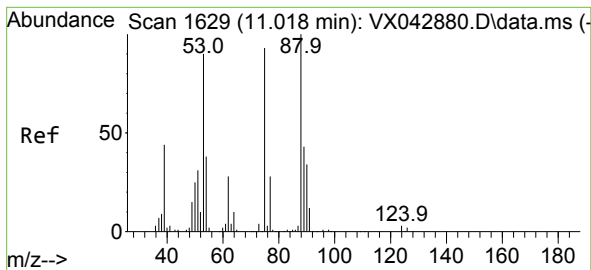
Tgt Ion: 75 Resp: 61766

Ion Ratio Lower Upper

75 100

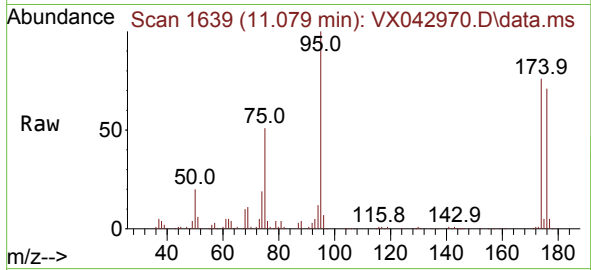
77 1.3 19.1 57.5#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 81.972 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX042970.D  
Acq: 09 Aug 2024 04:30

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 75 Resp: 61766  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

