

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051324\  
 Data File : VX041487.D  
 Acq On : 13 May 2024 13:32  
 Operator : JC/MD  
 Sample : P2445-01RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 14 01:31:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 06:03:16 2024  
 Response via : Initial Calibration

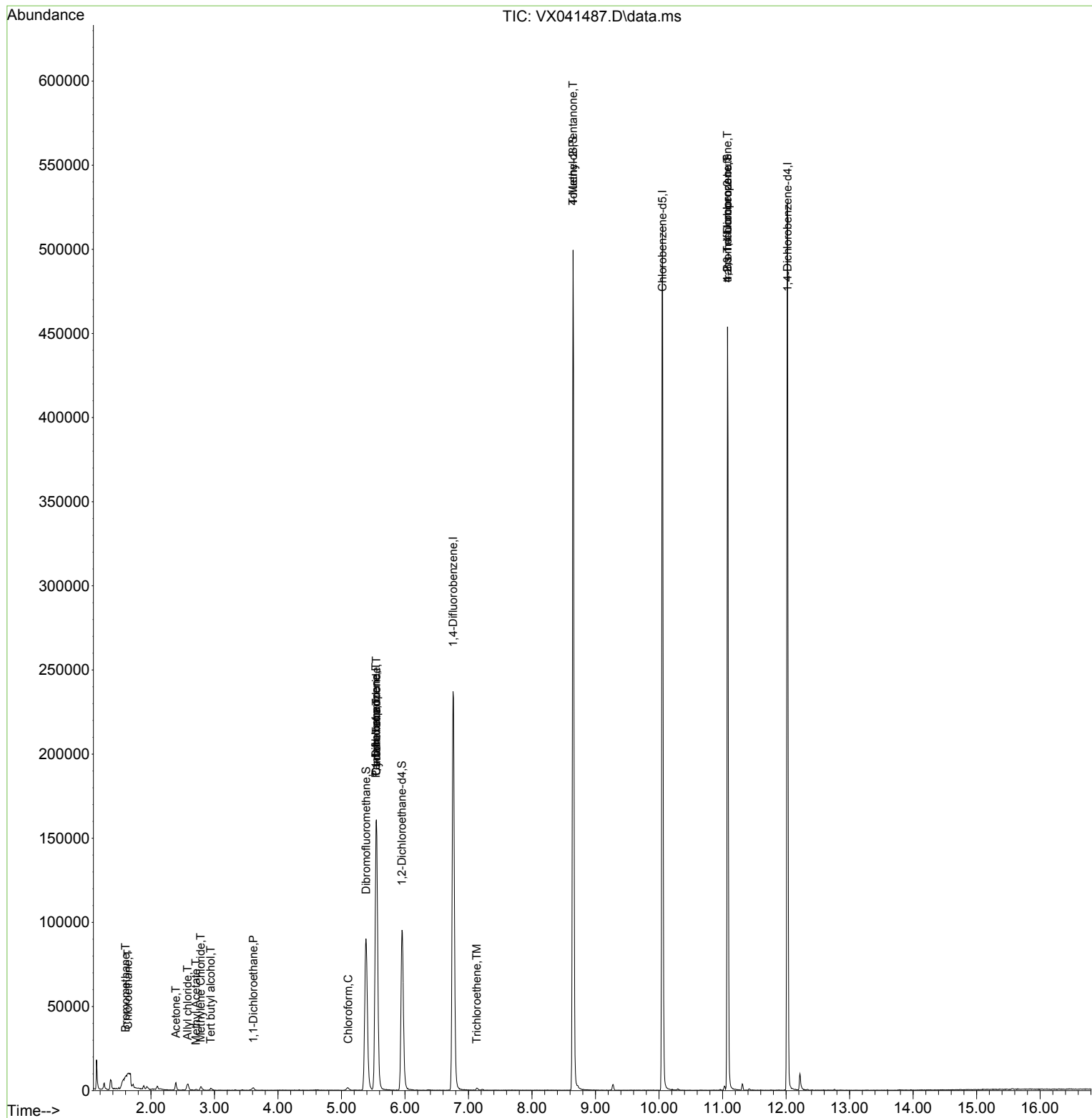
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 172317   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 252536   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 244221   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 122605   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 96498    | 51.441   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 102.880% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 78897    | 46.102   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 92.200%  |          |
| 50) Toluene-d8                | 8.647  | 98    | 295852   | 54.619   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 109.240% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 111832   | 53.335   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 106.660% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 1.599  | 94    | 389      | 0.444    | ug/l       | 97       |
| 6) Chloroethane               | 1.636  | 64    | 201      | 0.310    | ug/l       | # 43     |
| 11) Tert butyl alcohol        | 2.940  | 59    | 676      | 1.800    | ug/l       | # 78     |
| 14) Allyl chloride            | 2.575  | 41    | 541      | 0.241    | ug/l       | # 67     |
| 16) Acetone                   | 2.392  | 43    | 4625     | 1.714    | ug/l       | # 88     |
| 18) Methyl Acetate            | 2.709  | 43    | 583      | 0.304    | ug/l       | 94       |
| 20) Methylene Chloride        | 2.782  | 84    | 1140     | 0.700    | ug/l       | 93       |
| 24) 1,1-Dichloroethane        | 3.611  | 63    | 1980     | 0.737    | ug/l       | # 86     |
| 30) Chloroform                | 5.105  | 83    | 1959     | 0.701    | ug/l       | # 78     |
| 31) Cyclohexane               | 5.550  | 56    | 3156     | 1.394    | ug/l       | # 4      |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 11003    | 5.377    | ug/l       | # 51     |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 15212    | 6.489    | ug/l       | # 15     |
| 44) Trichloroethene           | 7.129  | 130   | 623      | 0.374    | ug/l       | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1347     | 0.585    | ug/l       | # 1      |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 57699    | 28.877   | ug/l       | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 57699    | 78.658   | ug/l       | # 5      |
| -----                         |        |       |          |          |            |          |

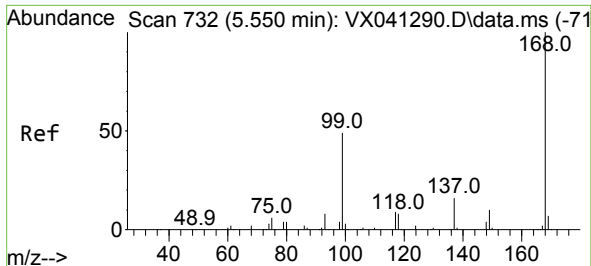
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051324\  
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Sample : P2445-01RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: May 14 01:31:33 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 08 06:03:16 2024  
Response via : Initial Calibration

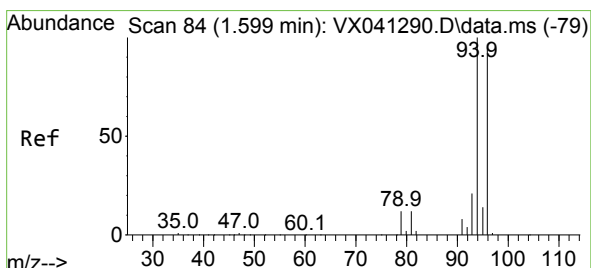
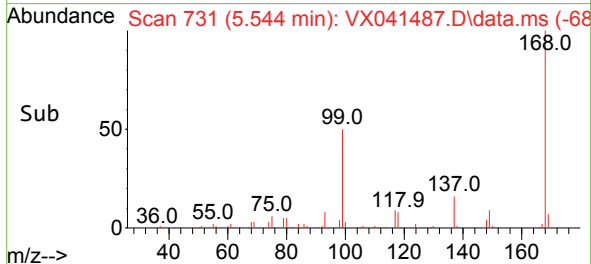
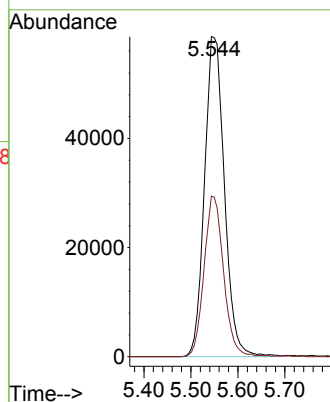
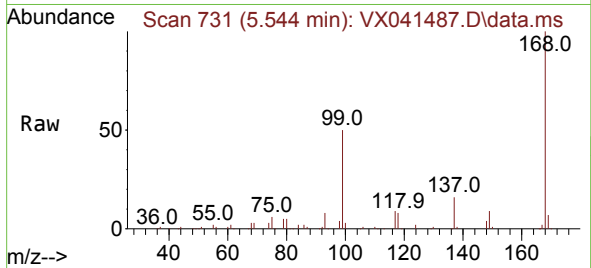




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

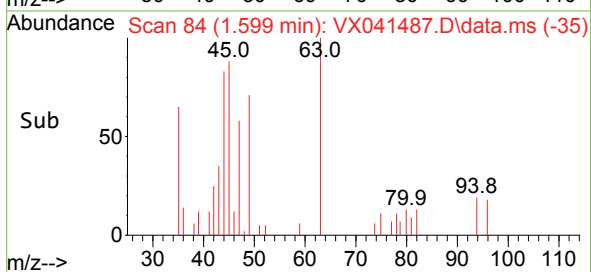
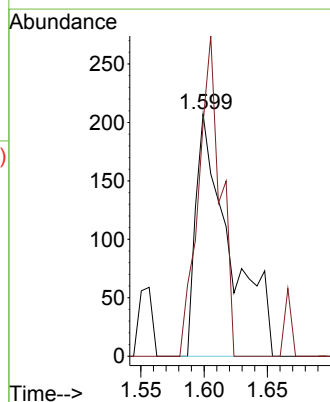
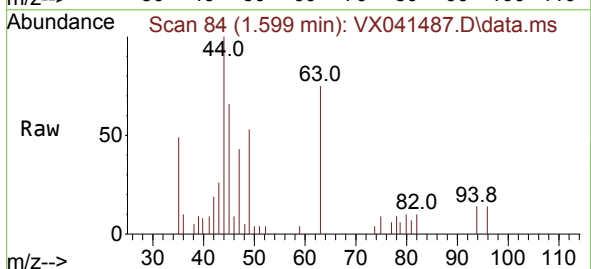
Instrument :  
MSVOA\_X  
ClientSampleId :

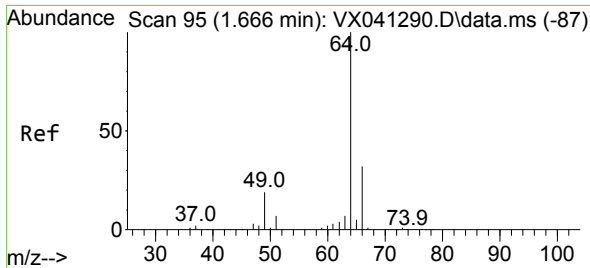
Tgt Ion:168 Resp: 172317  
Ion Ratio Lower Upper  
168 100  
99 50.2 56.6 85.0#



#5  
Bromomethane  
Concen: 0.444 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

Tgt Ion: 94 Resp: 389  
Ion Ratio Lower Upper  
94 100  
96 96.1 74.6 111.8

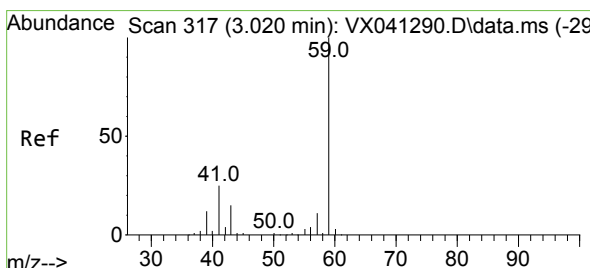
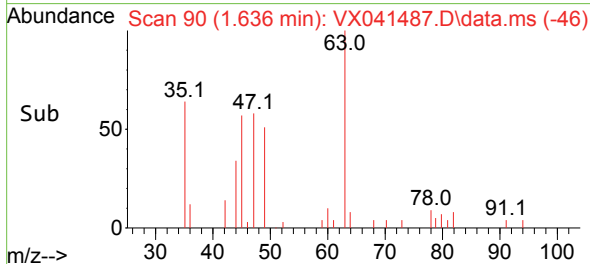
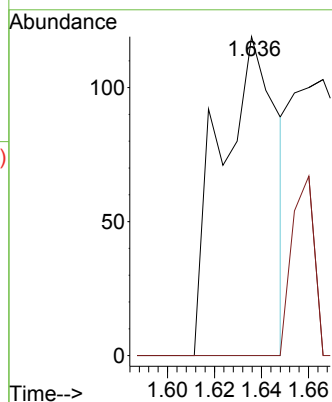
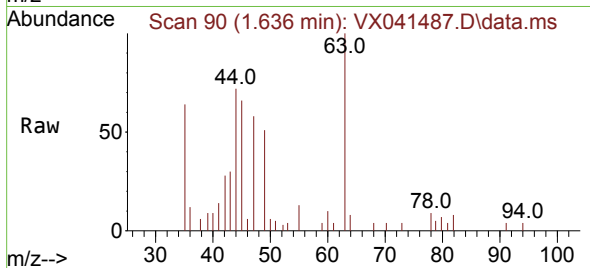




#6  
Chloroethane  
Concen: 0.310 ug/l  
RT: 1.636 min Scan# 90  
Delta R.T. -0.030 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

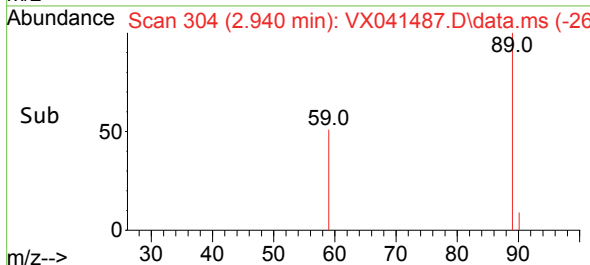
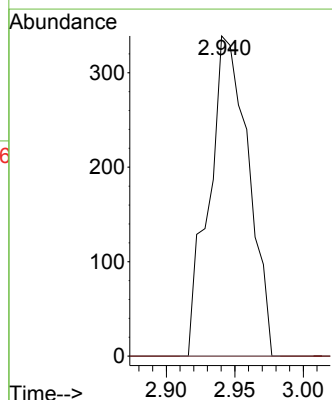
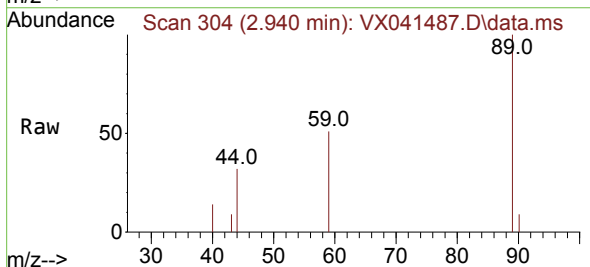
Instrument :  
MSVOA\_X  
ClientSampleId :

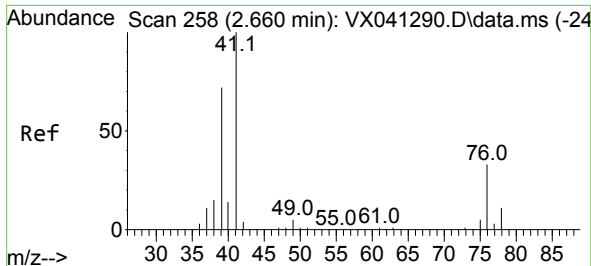
Tgt Ion: 64 Resp: 201  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#



#11  
Tert butyl alcohol  
Concen: 1.800 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.079 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

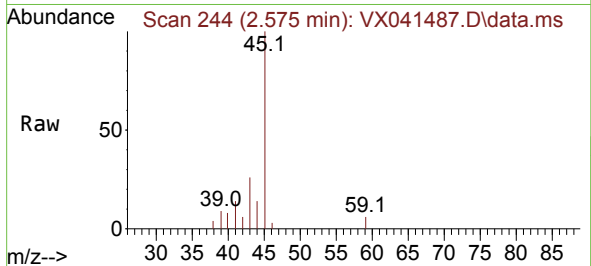
Tgt Ion: 59 Resp: 676  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#



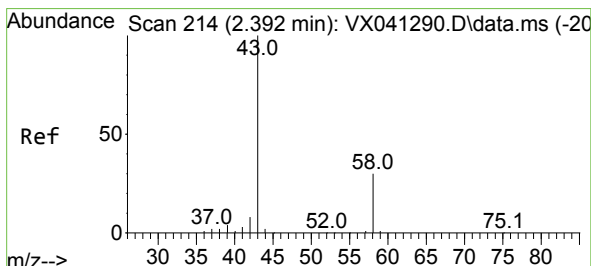
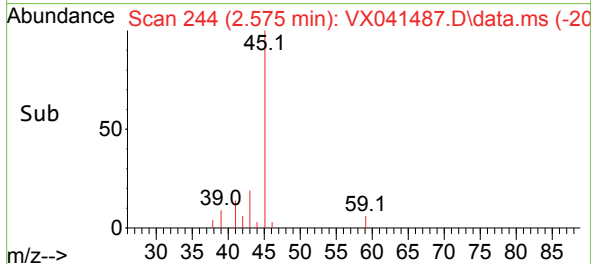
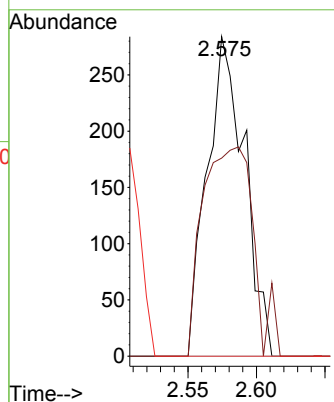


#14  
 Allyl chloride  
 Concen: 0.241 ug/l  
 RT: 2.575 min Scan# 24  
 Delta R.T. -0.085 min  
 Lab File: VX041487.D  
 Acq: 13 May 2024 13:32

Instrument :  
 MSVOA\_X  
 ClientSampleId :

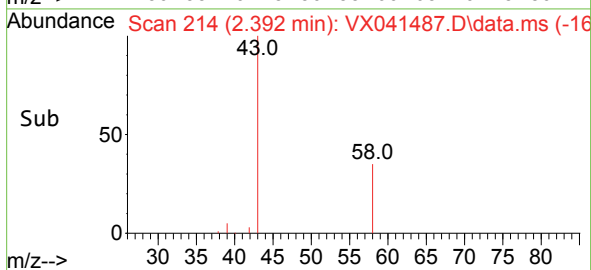
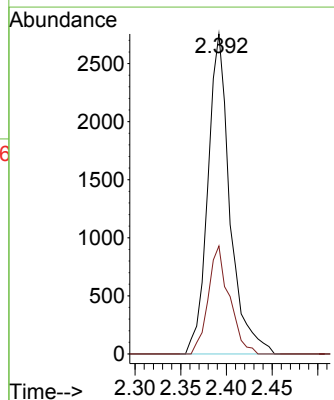
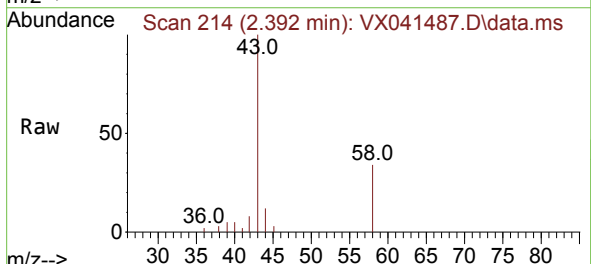


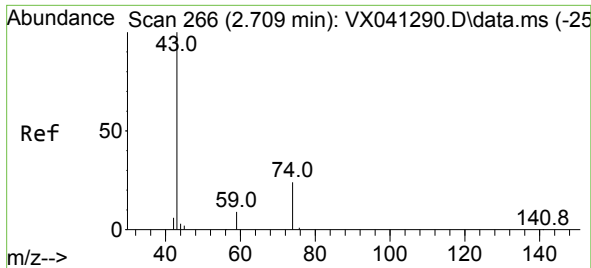
Tgt Ion: 41 Resp: 541  
 Ion Ratio Lower Upper  
 41 100  
 39 88.9 55.8 83.6#  
 76 0.0 24.3 36.5#



#16  
 Acetone  
 Concen: 1.714 ug/l  
 RT: 2.392 min Scan# 214  
 Delta R.T. -0.000 min  
 Lab File: VX041487.D  
 Acq: 13 May 2024 13:32

Tgt Ion: 43 Resp: 4625  
 Ion Ratio Lower Upper  
 43 100  
 58 33.8 21.9 32.9#

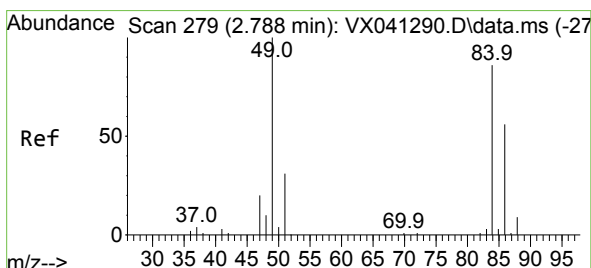
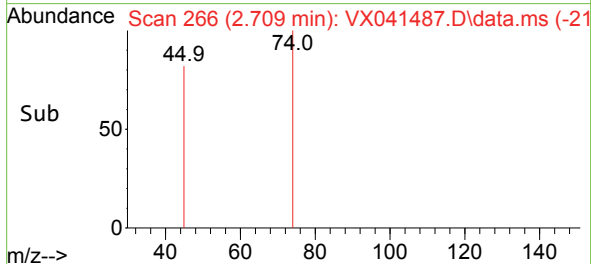
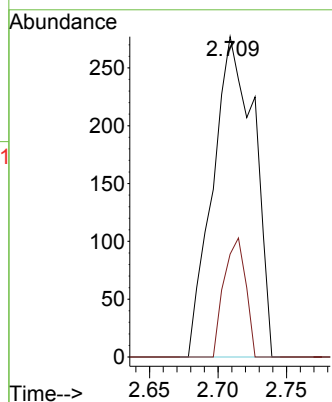
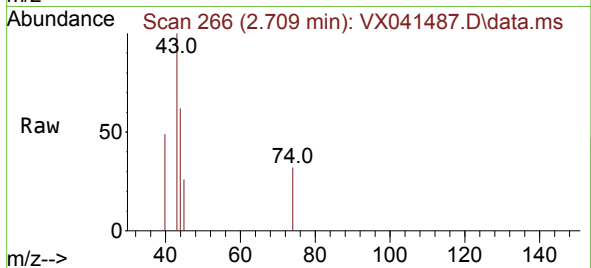




#18  
Methyl Acetate  
Concen: 0.304 ug/l  
RT: 2.709 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

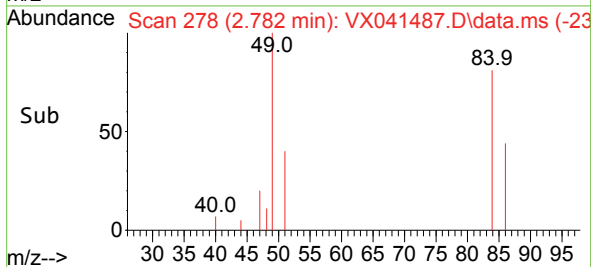
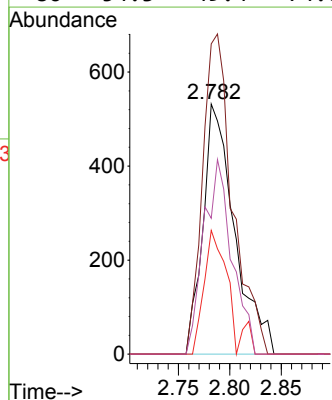
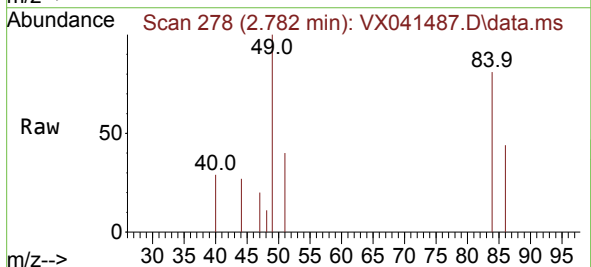
Instrument :  
MSVOA\_X  
ClientSampleId :

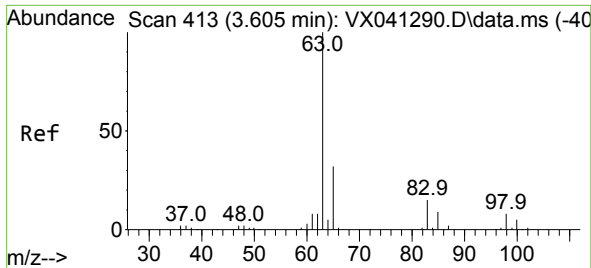
Tgt Ion: 43 Resp: 583  
Ion Ratio Lower Upper  
43 100  
74 19.4 17.8 26.8



#20  
Methylene Chloride  
Concen: 0.700 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.006 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

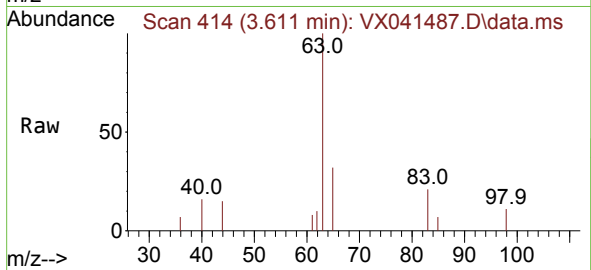
Tgt Ion: 84 Resp: 1140  
Ion Ratio Lower Upper  
84 100  
49 124.1 103.6 155.4  
51 49.4 33.8 50.6  
86 54.3 49.4 74.0



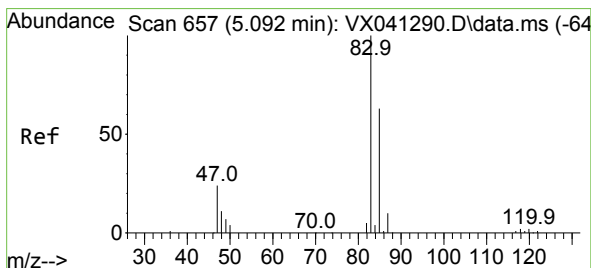
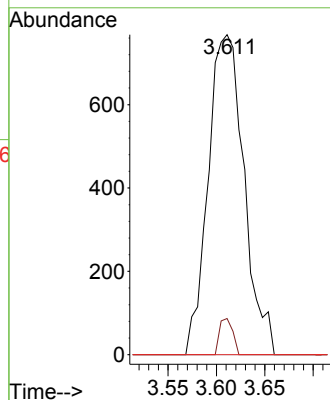
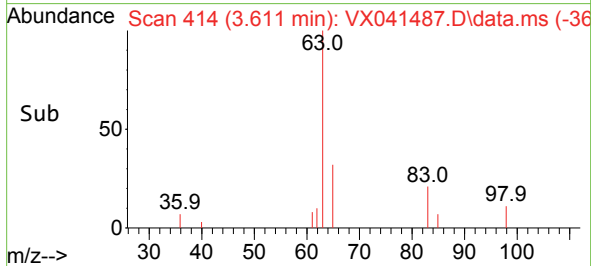


#24  
1,1-Dichloroethane  
Concen: 0.737 ug/l  
RT: 3.611 min Scan# 413  
Delta R.T. 0.006 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

Instrument :  
MSVOA\_X  
ClientSampleId :

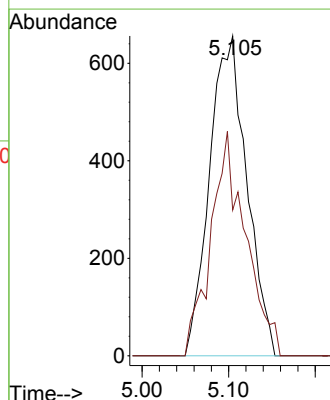
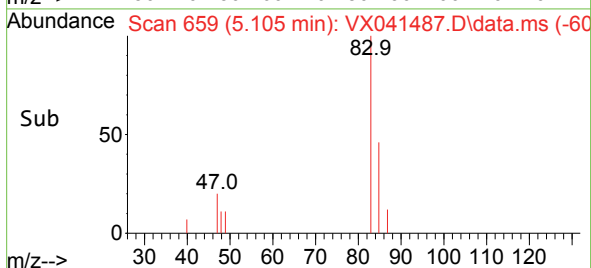
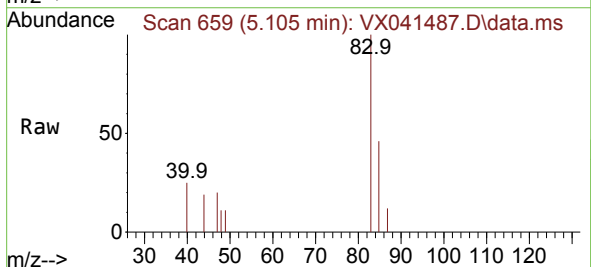


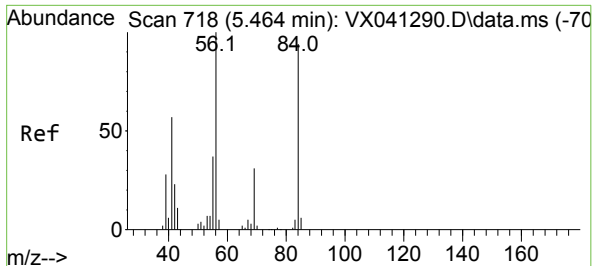
Tgt Ion: 63 Resp: 1980  
Ion Ratio Lower Upper  
63 100  
98 11.3 3.3 9.8#  
100 0.0 2.1 6.5#



#30  
Chloroform  
Concen: 0.701 ug/l  
RT: 5.105 min Scan# 659  
Delta R.T. 0.012 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

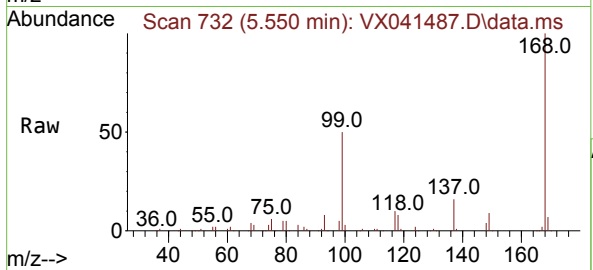
Tgt Ion: 83 Resp: 1959  
Ion Ratio Lower Upper  
83 100  
85 45.6 50.3 75.5#



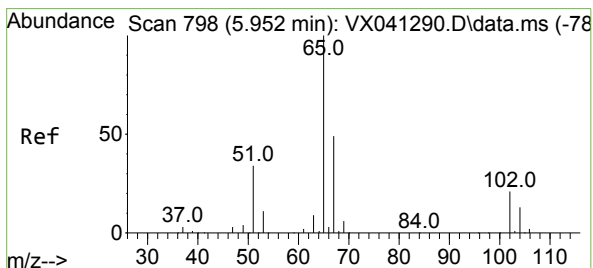
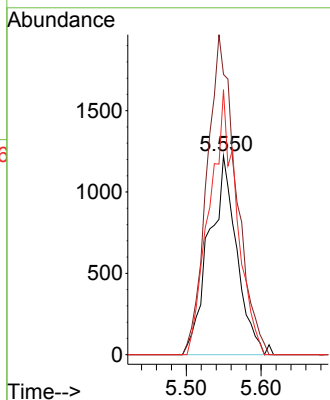
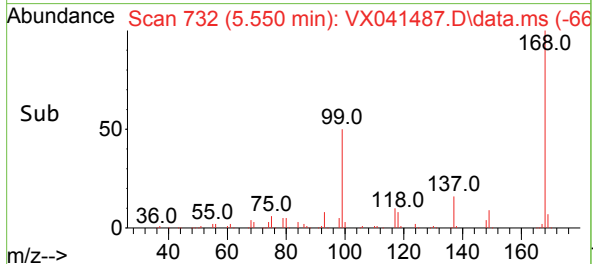


#31  
Cyclohexane  
Concen: 1.394 ug/l  
RT: 5.550 min Scan# 718  
Delta R.T. 0.085 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

Instrument :  
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ClientSampleId :

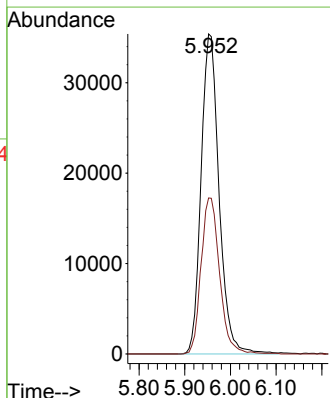
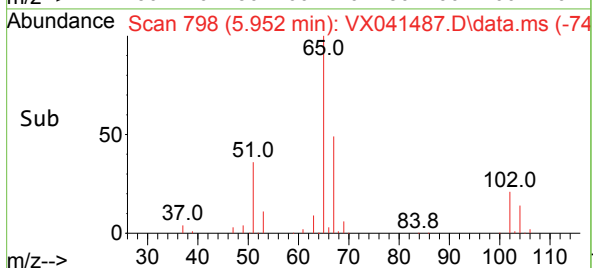
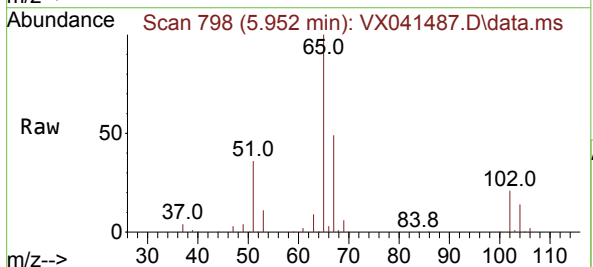


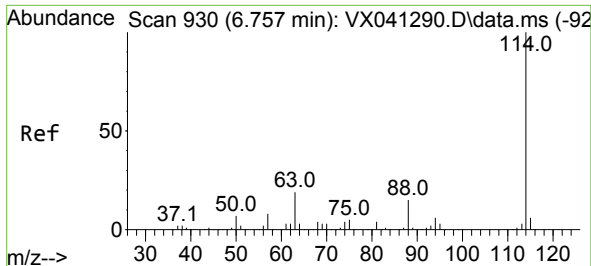
Tgt Ion: 56 Resp: 3156  
Ion Ratio Lower Upper  
56 100  
69 141.0 23.4 35.2#  
84 133.3 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 51.441 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

Tgt Ion: 65 Resp: 96498  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 100.2

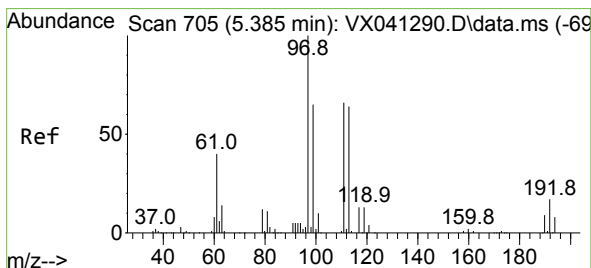
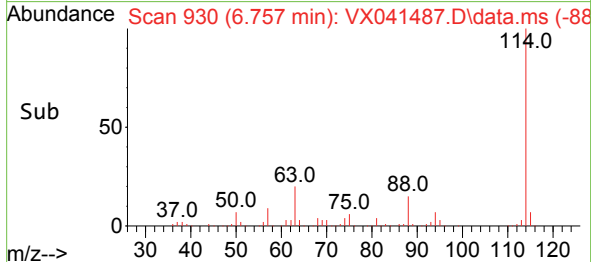
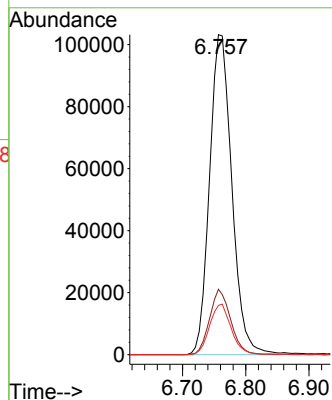
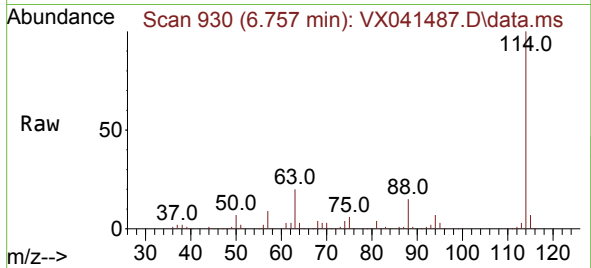




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

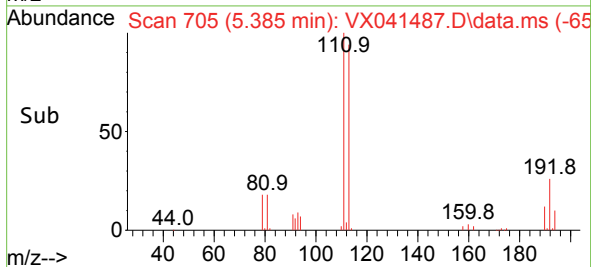
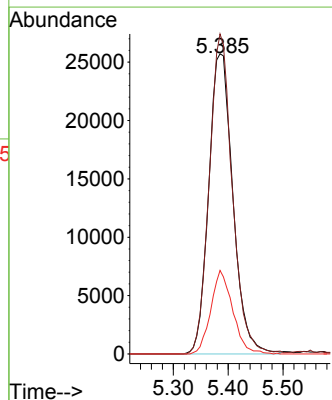
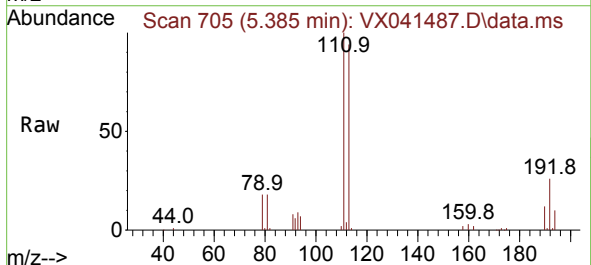
Instrument :  
MSVOA\_X  
ClientSampleId :

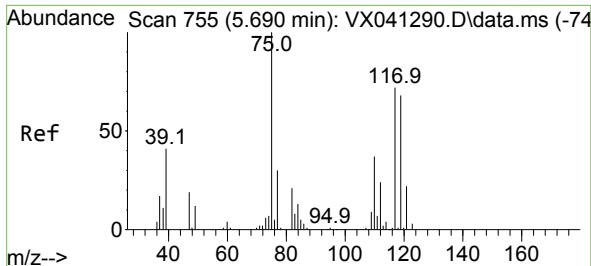
Tgt Ion:114 Resp: 252536  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 45.0  
88 15.4 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.102 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

Tgt Ion:113 Resp: 78897  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.9 124.3  
192 25.2 13.3 19.9#

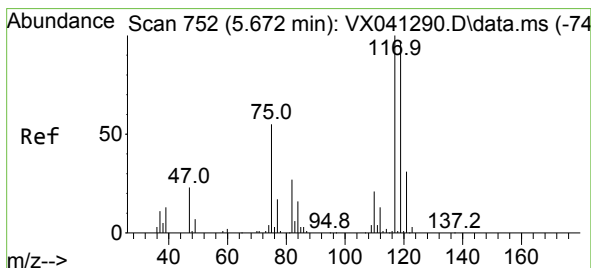
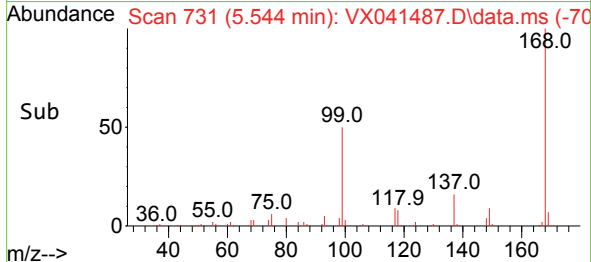
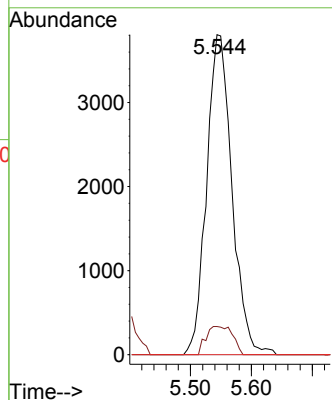
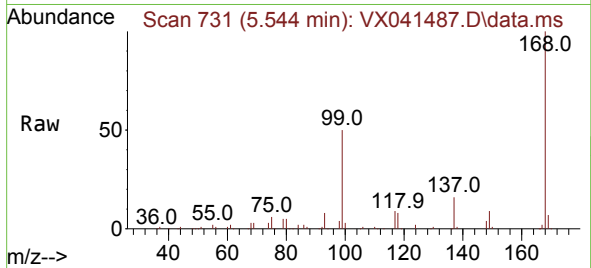




#36  
1,1-Dichloropropene  
Concen: 5.377 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.146 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

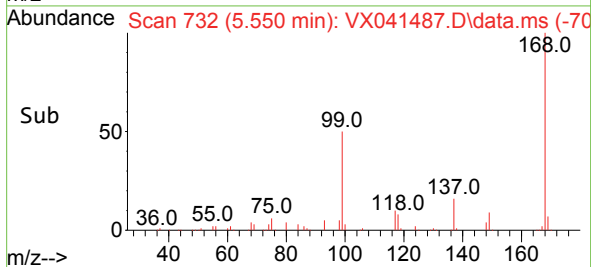
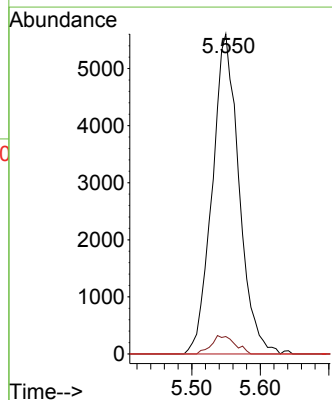
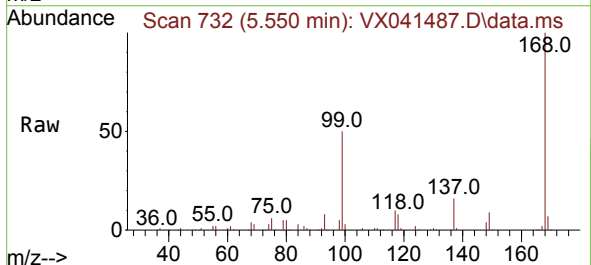
Instrument :  
MSVOA\_X  
ClientSampleId :

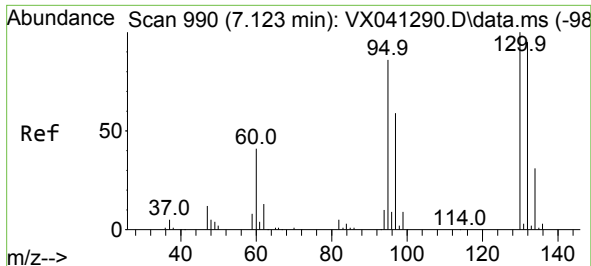
Tgt Ion: 75 Resp: 11003  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.489 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

Tgt Ion: 117 Resp: 15212  
Ion Ratio Lower Upper  
117 100  
119 5.4 78.2 117.2#  
121 0.0 24.4 36.6#

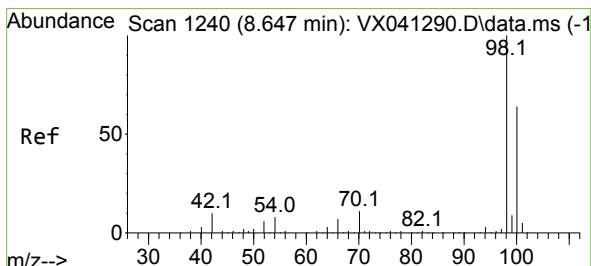
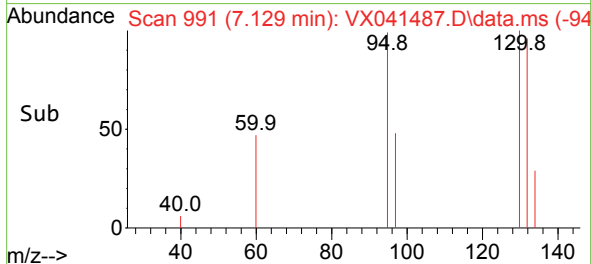
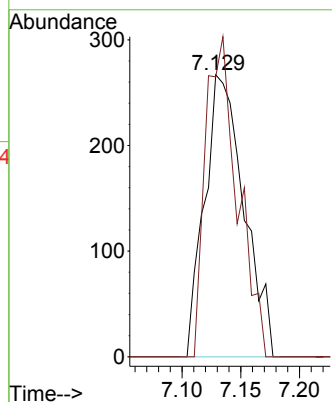
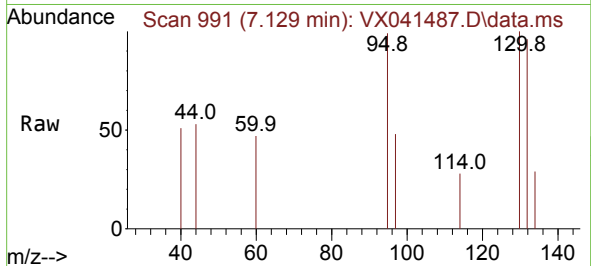




#44  
Trichloroethene  
Concen: 0.374 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

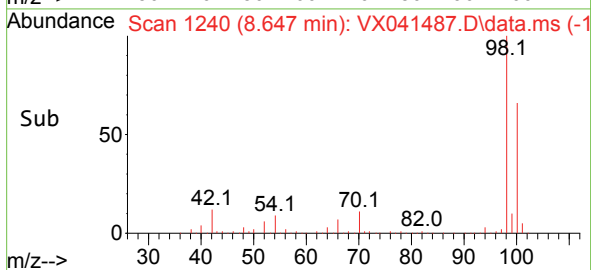
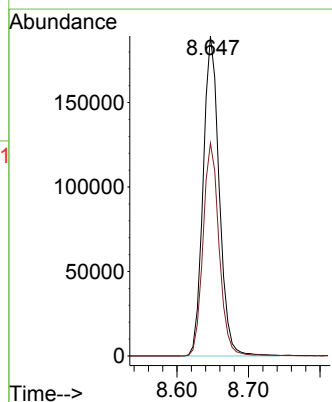
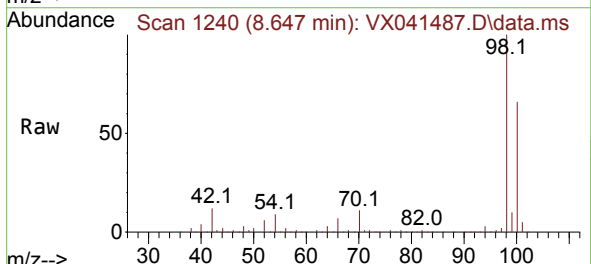
Instrument :  
MSVOA\_X  
ClientSampleId :

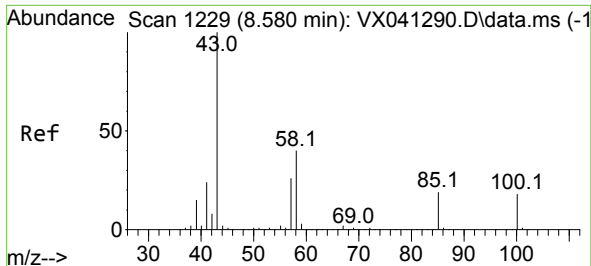
Tgt Ion:130 Resp: 623  
Ion Ratio Lower Upper  
130 100  
95 99.3 0.0 204.4



#50  
Toluene-d8  
Concen: 54.619 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

Tgt Ion: 98 Resp: 295852  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.1 79.7

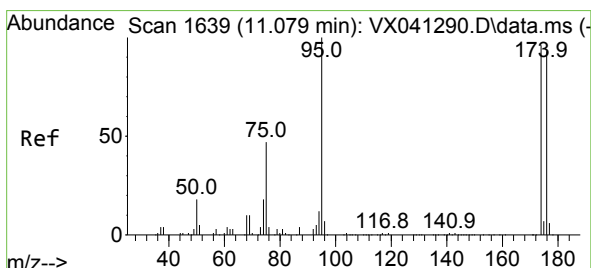
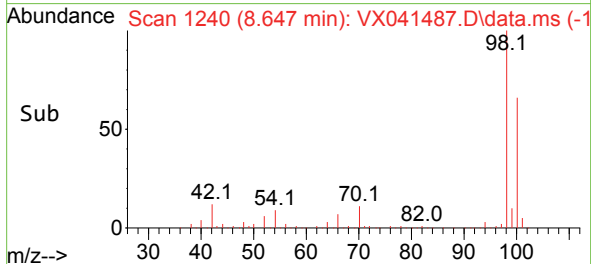
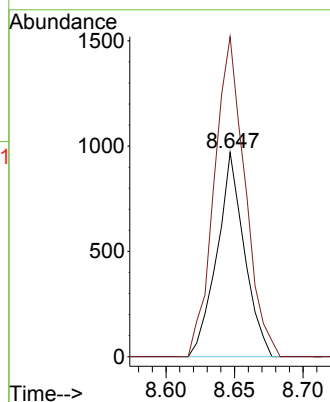
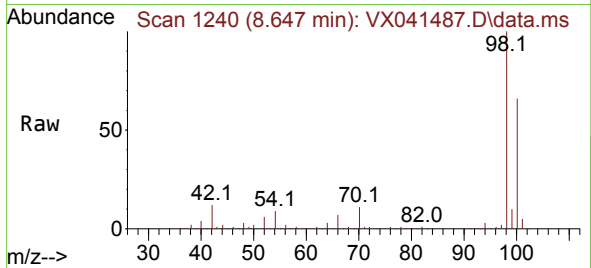




#51  
4-Methyl-2-Pentanone  
Concen: 0.585 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

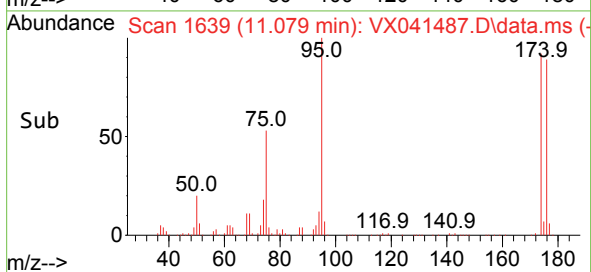
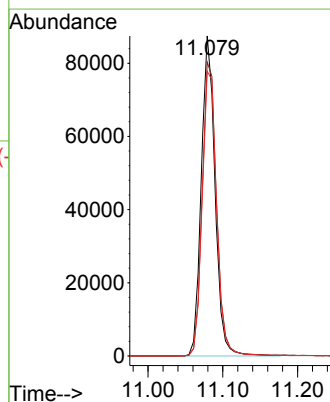
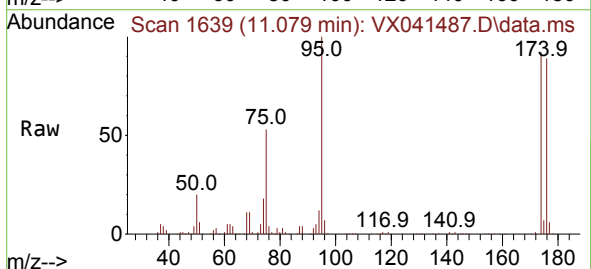
Instrument :  
MSVOA\_X  
ClientSampleId :

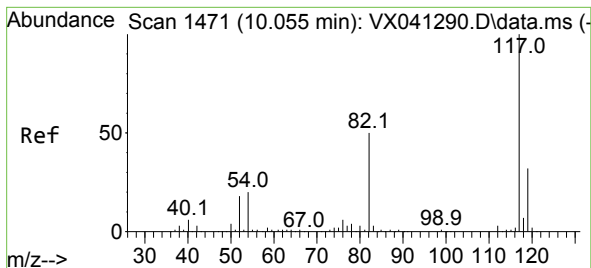
Tgt Ion: 43 Resp: 1347  
Ion Ratio Lower Upper  
43 100  
58 175.8 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 53.335 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

Tgt Ion: 95 Resp: 111832  
Ion Ratio Lower Upper  
95 100  
174 96.0 0.0 135.6  
176 93.8 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: VX041487.D

Acq: 13 May 2024 13:32

Instrument :

MSVOA\_X

ClientSampleId :

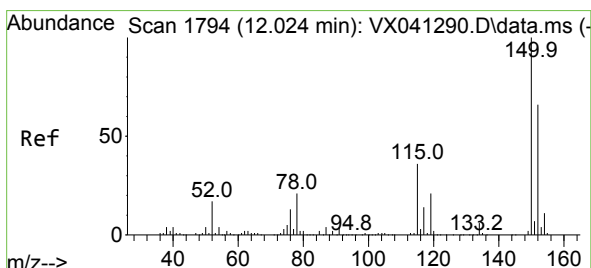
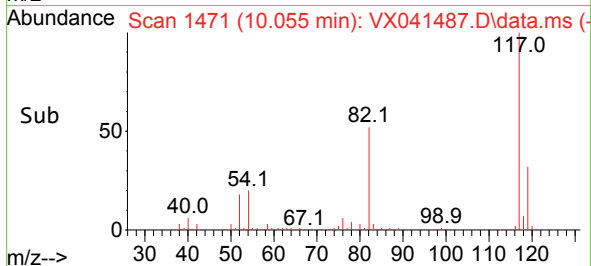
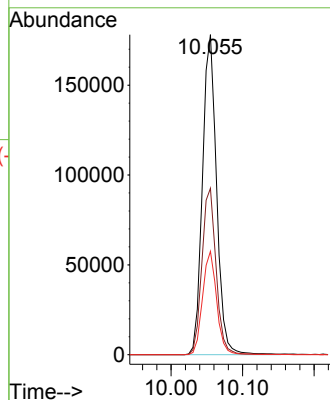
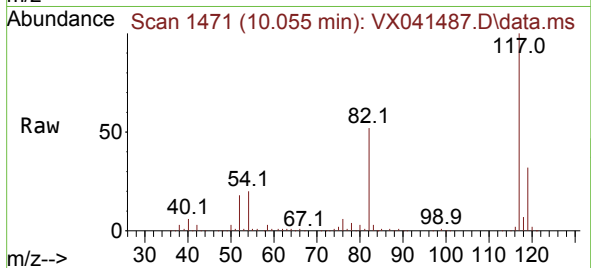
Tgt Ion:117 Resp: 244221

Ion Ratio Lower Upper

117 100

82 52.0 46.2 69.4

119 32.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX041487.D

Acq: 13 May 2024 13:32

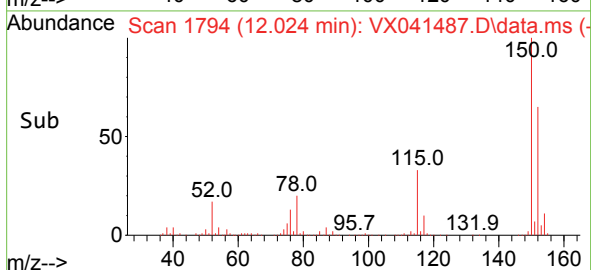
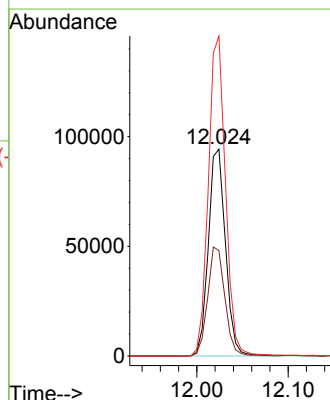
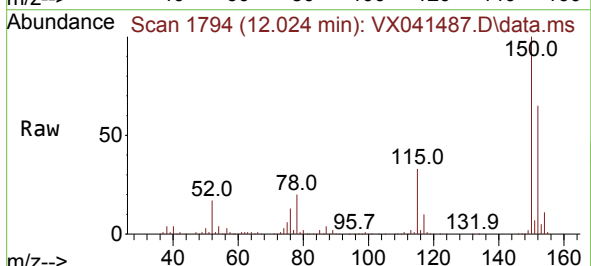
Tgt Ion:152 Resp: 122605

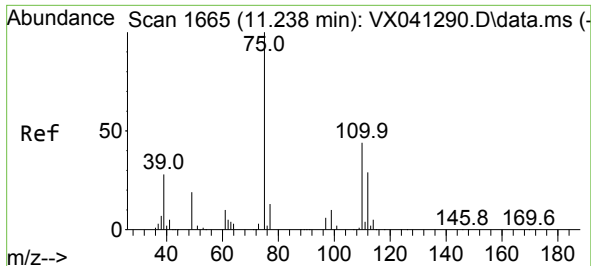
Ion Ratio Lower Upper

152 100

115 53.0 43.3 129.9

150 154.9 0.0 345.0

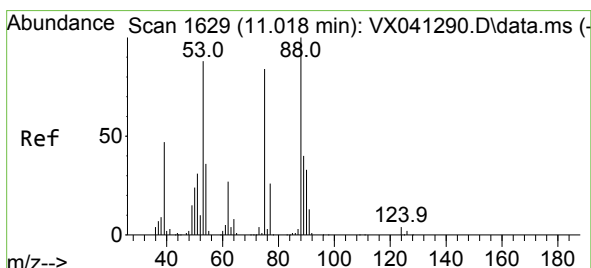
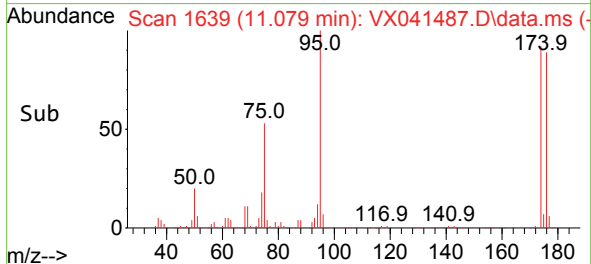
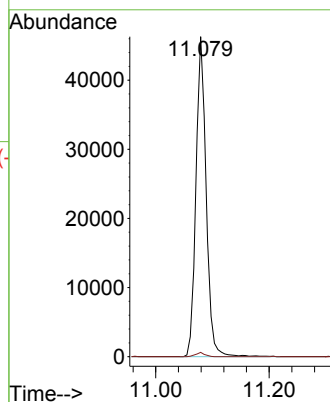
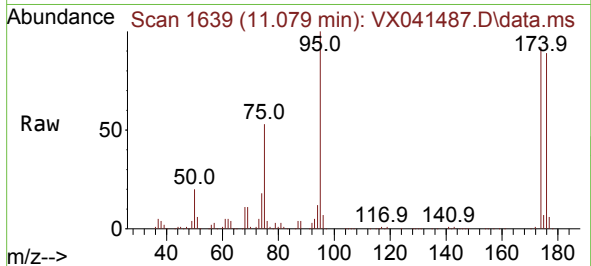




#76  
1,2,3-Trichloropropane  
Concen: 28.877 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 57699  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.658 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:32

Tgt Ion: 75 Resp: 57699  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

