

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021624\  
 Data File : VX040285.D  
 Acq On : 16 Feb 2024 17:48  
 Operator : JC/MD  
 Sample : P1507-20  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE126D1-20240215

Quant Time: Feb 17 01:39:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 12 00:21:14 2024  
 Response via : Initial Calibration

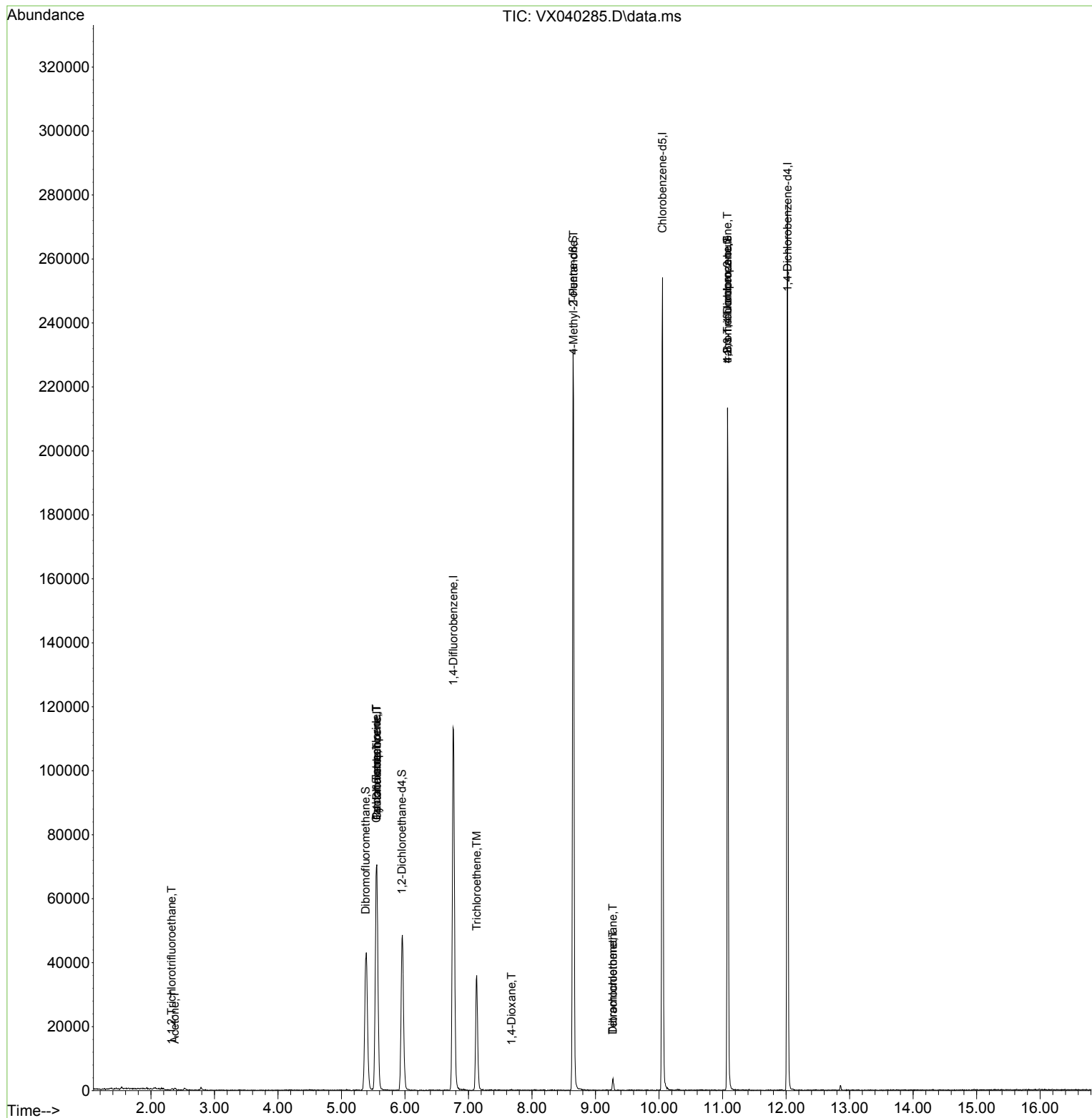
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 67518    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 116624   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 113597   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 58075    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 46987    | 46.778    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 93.560%  |
| 35) Dibromofluoromethane      | 5.379  | 113   | 38038    | 46.705    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 93.400%  |
| 50) Toluene-d8                | 8.646  | 98    | 141649   | 46.495    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 92.980%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 55040    | 44.297    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 88.600%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo...  | 2.324  | 101   | 268      | 0.374     | ug/l # | 59       |
| 16) Acetone                   | 2.373  | 43    | 776      | 1.881     | ug/l # | 88       |
| 20) Methylene Chloride        | 2.782  | 84    | 379      | Below Cal | #      | 64       |
| 31) Cyclohexane               | 5.556  | 56    | 1669     | 1.393     | ug/l # | 22       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 5663     | 4.964     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.549  | 117   | 6928     | 6.387     | ug/l # | 13       |
| 44) Trichloroethene           | 7.128  | 130   | 13441    | 15.273    | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.677  | 88    | 138      | 6.256     | ug/l # | 31       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 678      | 0.501     | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.274  | 129   | 586      | 0.645     | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.274  | 164   | 628      | 0.789     | ug/l # | 81       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 30016    | 25.523    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 30016    | 70.133    | ug/l # | 5        |
| -----                         |        |       |          |           |        |          |

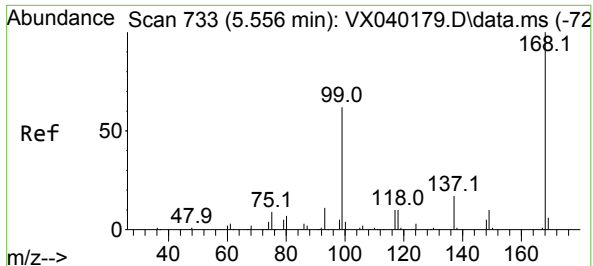
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 12 00:21:14 2024  
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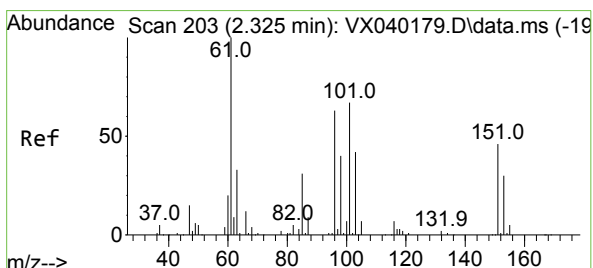
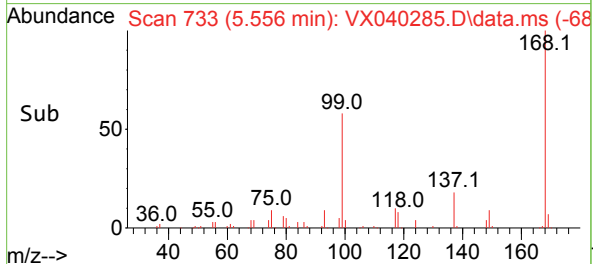
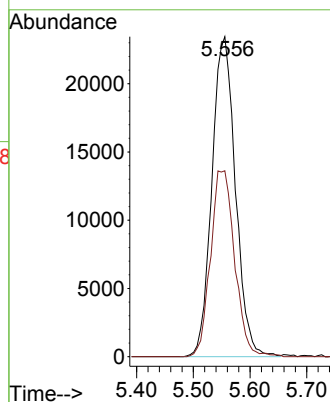
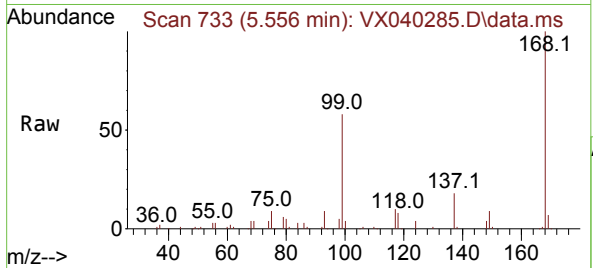




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

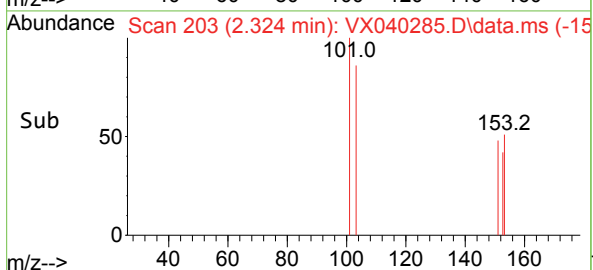
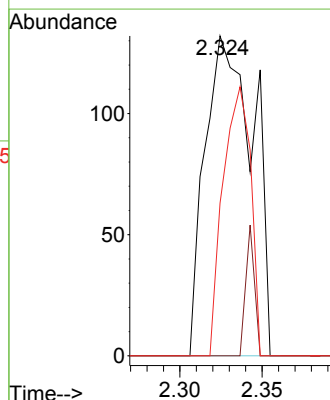
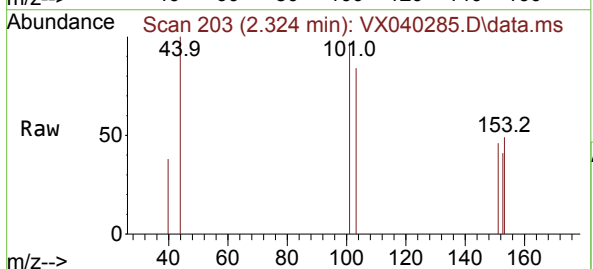
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D1-20240215

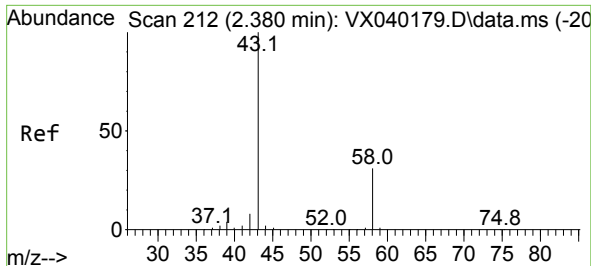
Tgt Ion:168 Resp: 67518  
Ion Ratio Lower Upper  
168 100  
99 58.1 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.374 ug/l  
RT: 2.324 min Scan# 203  
Delta R.T. -0.000 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

Tgt Ion:101 Resp: 268  
Ion Ratio Lower Upper  
101 100  
85 7.5 37.0 55.6#  
151 48.1 58.6 87.8#





#16

Acetone

Concen: 1.881 ug/l

RT: 2.373 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX040285.D

Acq: 16 Feb 2024 17:48

Instrument :

MSVOA\_X

ClientSampleId :

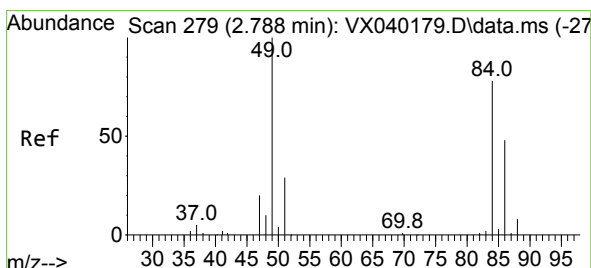
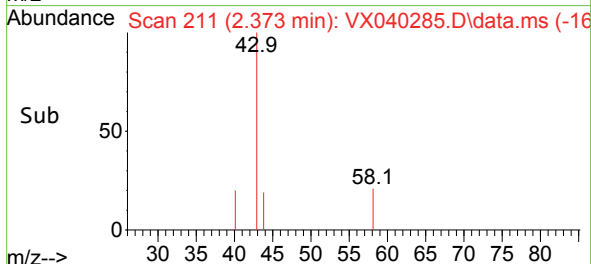
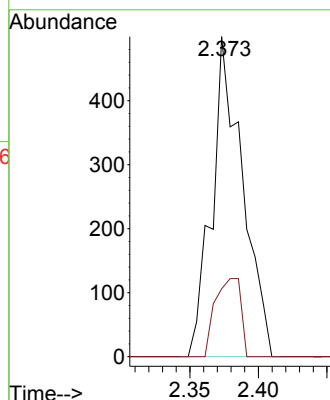
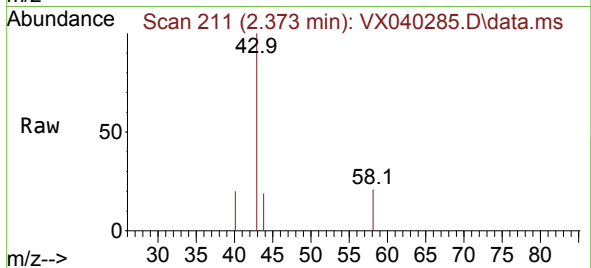
RE126D1-20240215

Tgt Ion: 43 Resp: 776

Ion Ratio Lower Upper

43 100

58 21.2 21.9 32.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX040285.D

Acq: 16 Feb 2024 17:48

Tgt Ion: 84 Resp: 379

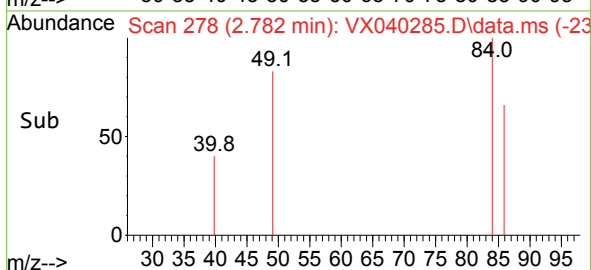
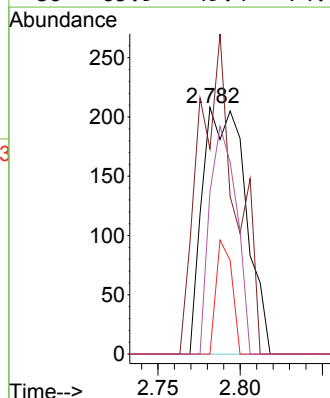
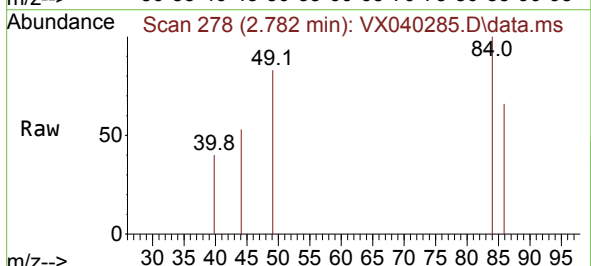
Ion Ratio Lower Upper

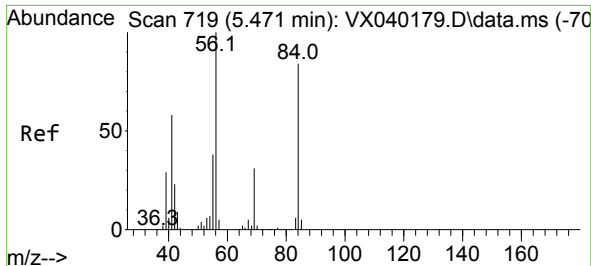
84 100

49 83.2 103.6 155.4#

51 0.0 33.8 50.6#

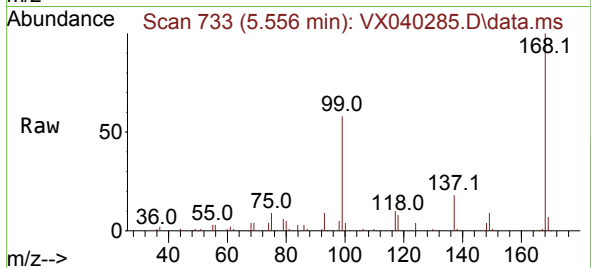
86 65.9 49.4 74.0



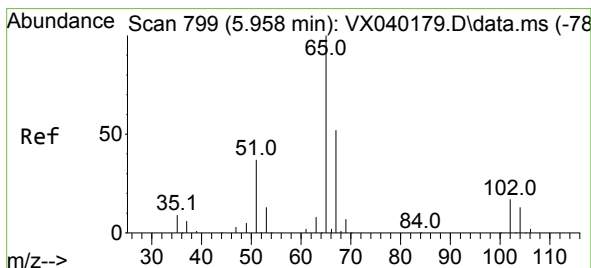
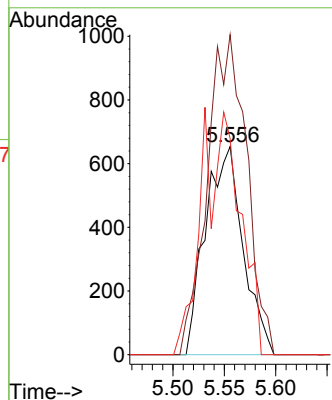
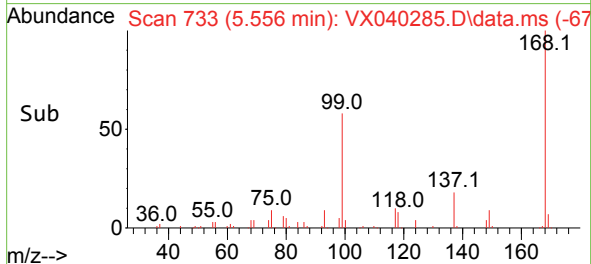


#31  
Cyclohexane  
Concen: 1.393 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

Instrument :  
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RE126D1-20240215

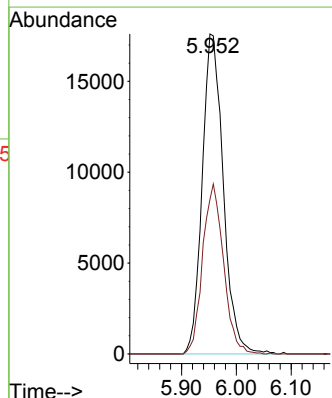
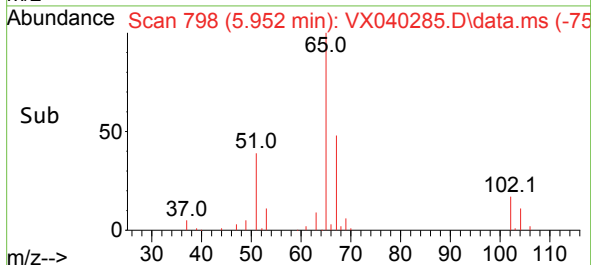
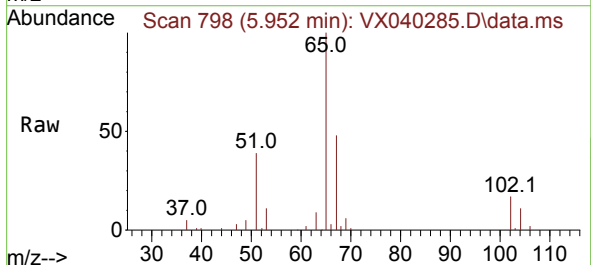


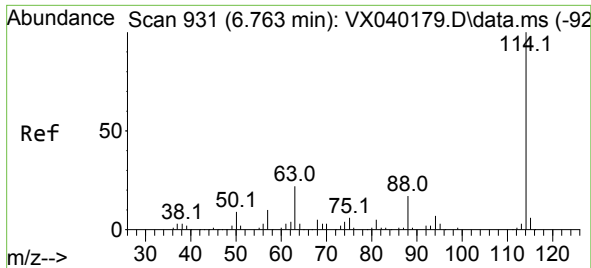
Tgt Ion: 56 Resp: 1669  
Ion Ratio Lower Upper  
56 100  
69 153.7 23.4 35.2#  
84 103.8 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 46.778 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

Tgt Ion: 65 Resp: 46987  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 100.2

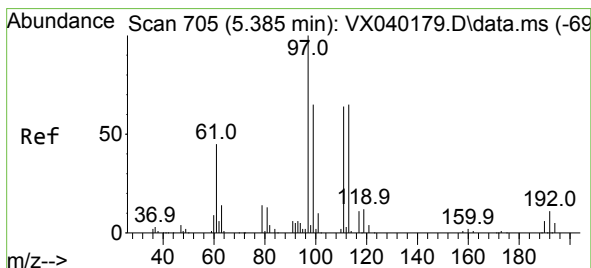
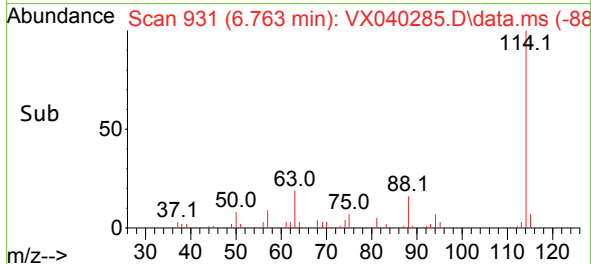
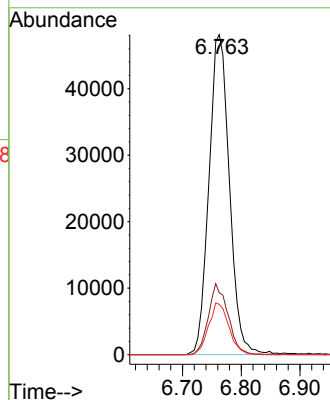
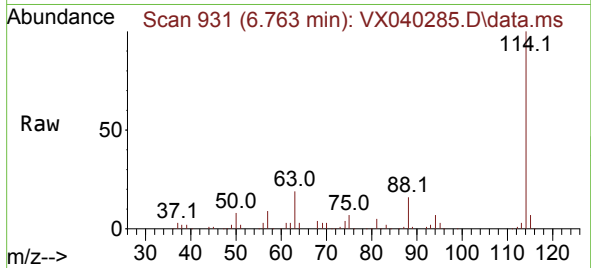




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

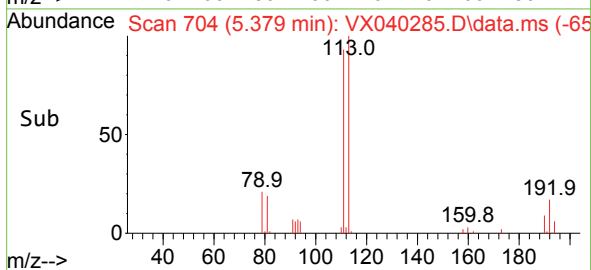
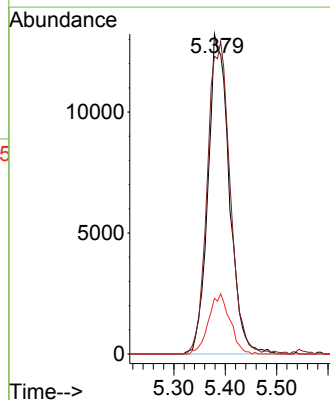
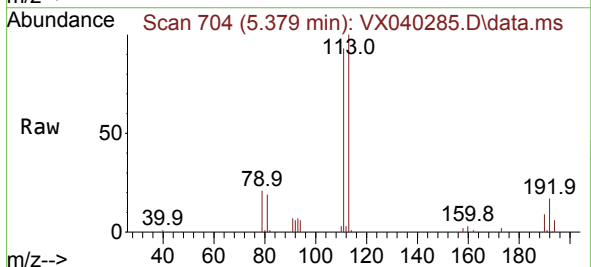
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D1-20240215

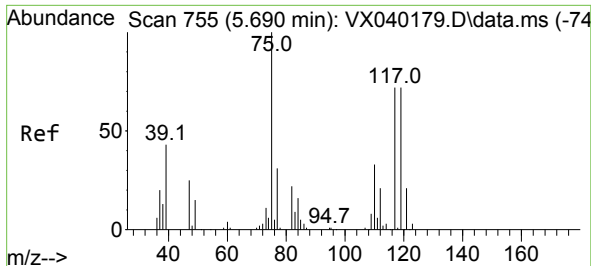
Tgt Ion:114 Resp: 116624  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 45.0  
88 15.8 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.705 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

Tgt Ion:113 Resp: 38038  
Ion Ratio Lower Upper  
113 100  
111 104.4 82.9 124.3  
192 18.9 13.3 19.9

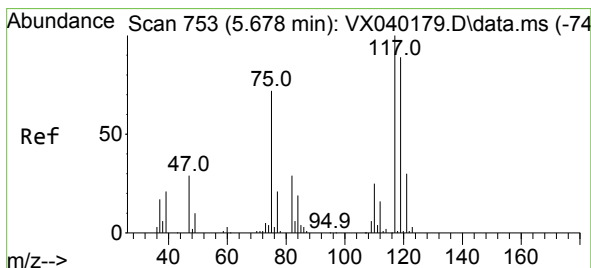
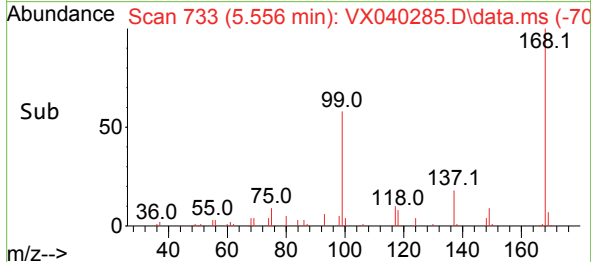
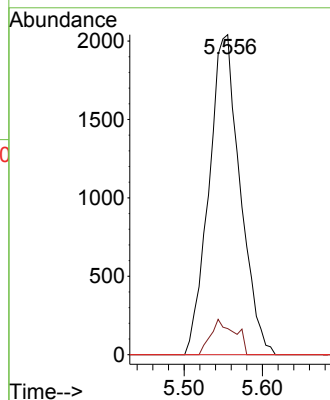
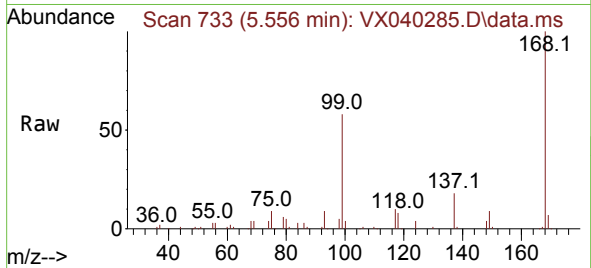




#36  
1,1-Dichloropropene  
Concen: 4.964 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

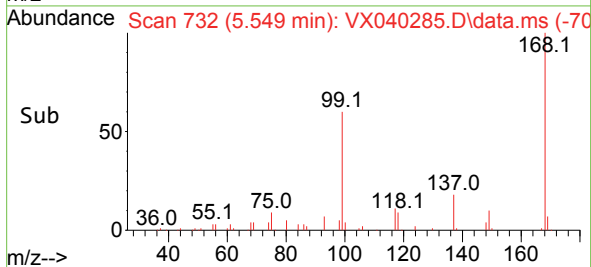
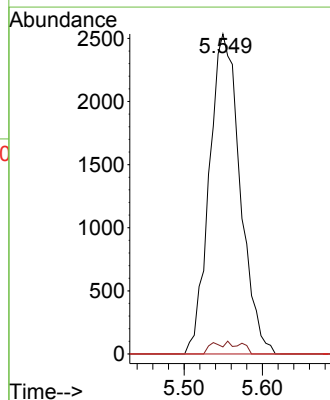
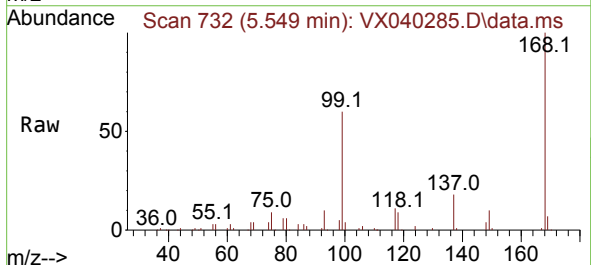
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RE126D1-20240215

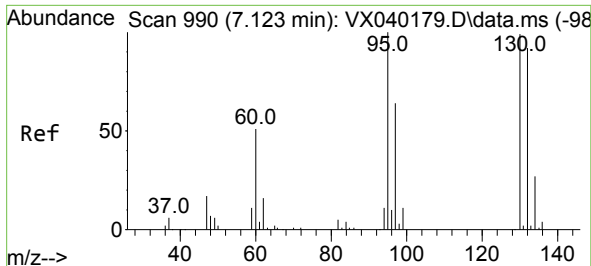
Tgt Ion: 75 Resp: 5663  
Ion Ratio Lower Upper  
75 100  
110 8.5 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.387 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

Tgt Ion: 117 Resp: 6928  
Ion Ratio Lower Upper  
117 100  
119 2.2 78.2 117.2#  
121 0.0 24.4 36.6#

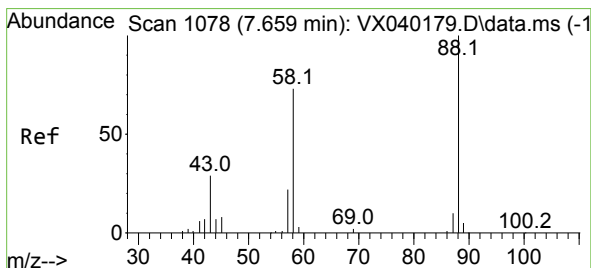
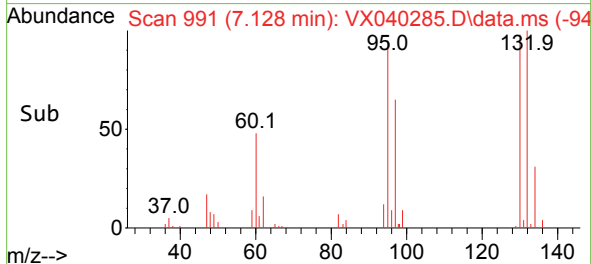
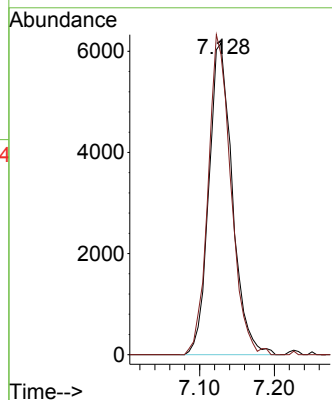
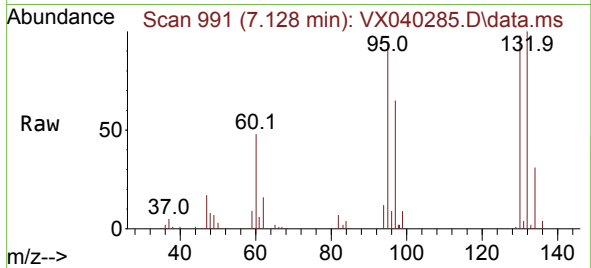




#44  
Trichloroethene  
Concen: 15.273 ug/l  
RT: 7.128 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

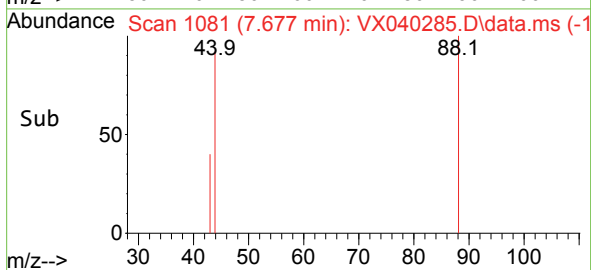
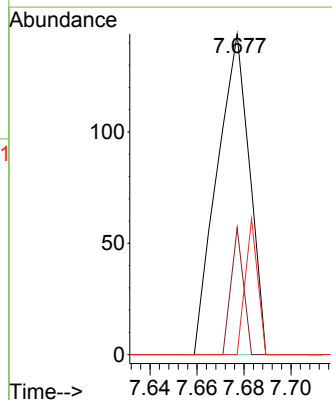
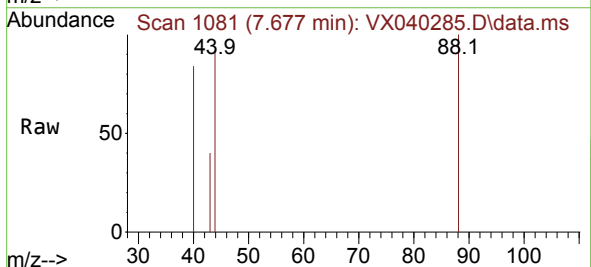
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D1-20240215

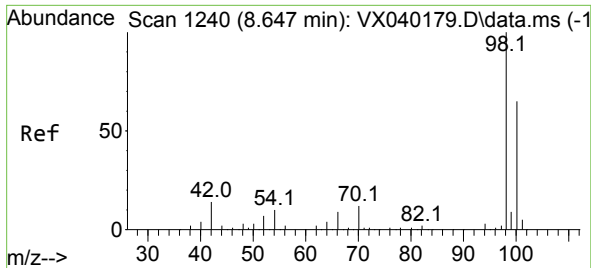
Tgt Ion:130 Resp: 13441  
Ion Ratio Lower Upper  
130 100  
95 96.4 0.0 204.4



#49  
1,4-Dioxane  
Concen: 6.256 ug/l  
RT: 7.677 min Scan# 1081  
Delta R.T. 0.018 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

Tgt Ion: 88 Resp: 138  
Ion Ratio Lower Upper  
88 100  
43 15.2 0.0 0.0#  
58 15.9 60.1 90.1#

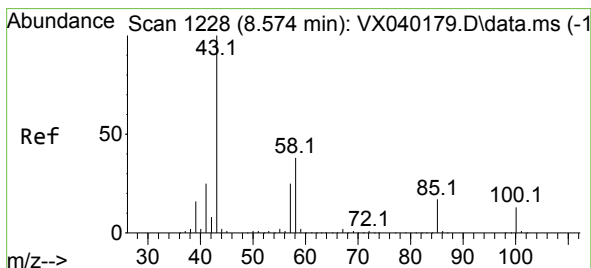
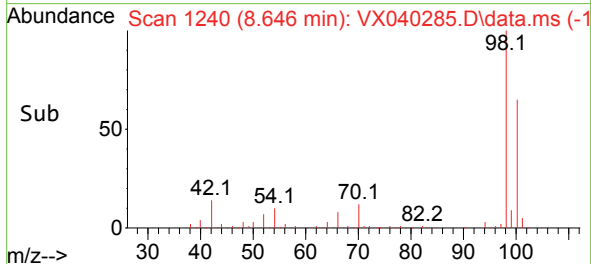
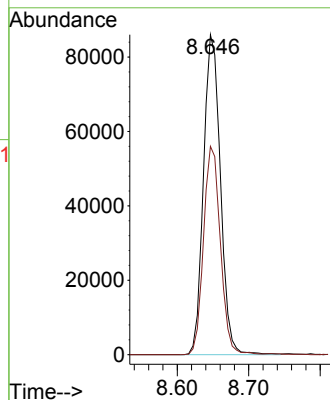
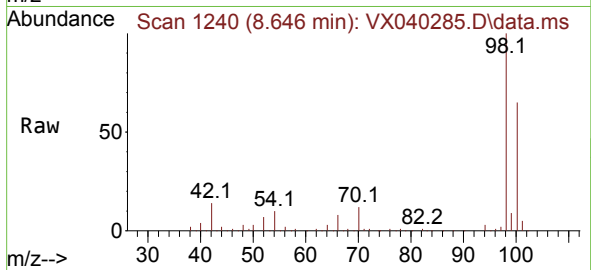




#50  
Toluene-d8  
Concen: 46.495 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

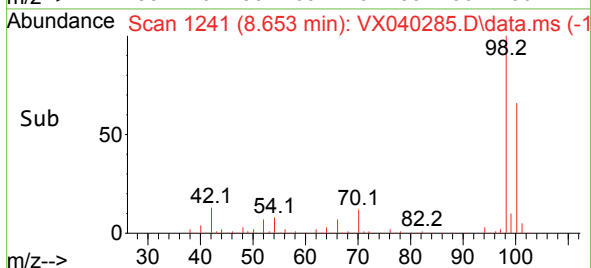
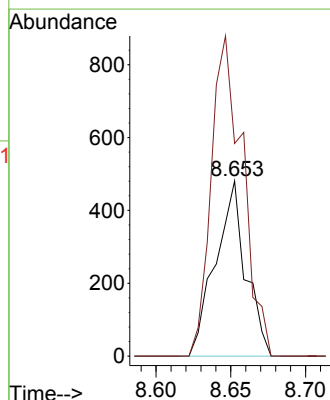
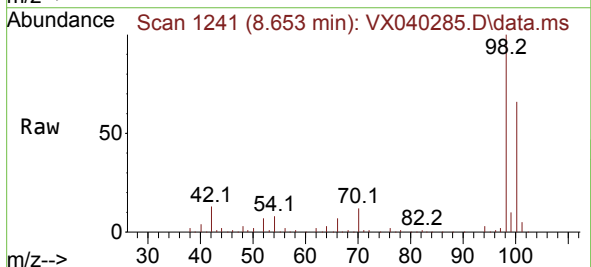
Instrument :  
MSVOA\_X  
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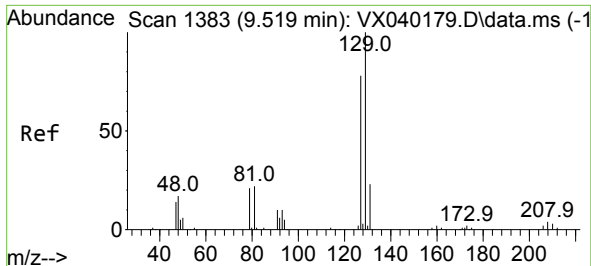
Tgt Ion: 98 Resp: 141649  
Ion Ratio Lower Upper  
98 100  
100 64.7 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.501 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.079 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

Tgt Ion: 43 Resp: 678  
Ion Ratio Lower Upper  
43 100  
58 189.2 30.4 45.6#

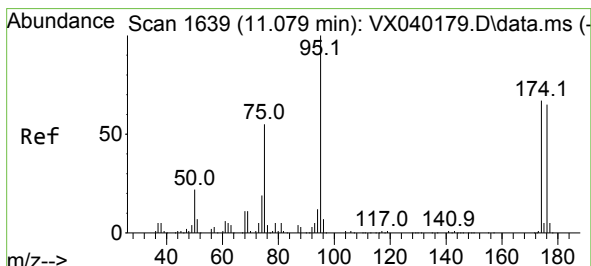
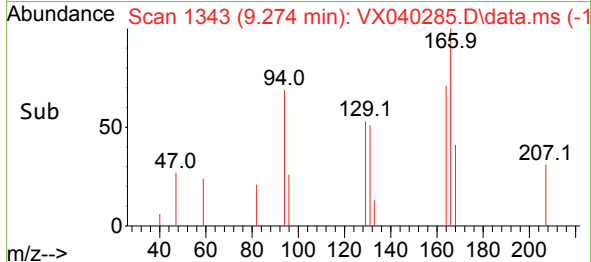
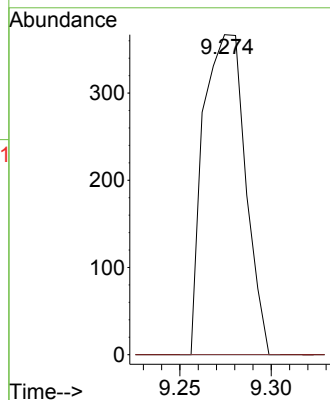
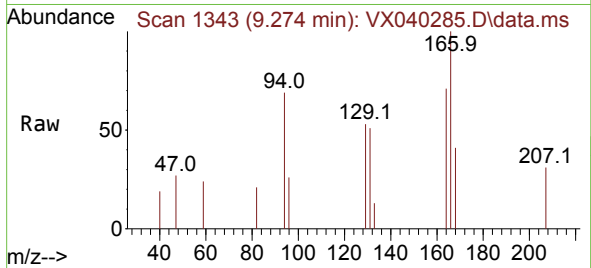




#60  
Dibromochloromethane  
Concen: 0.645 ug/l  
RT: 9.274 min Scan# 11  
Delta R.T. -0.244 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

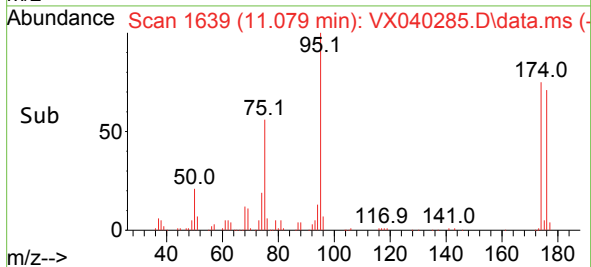
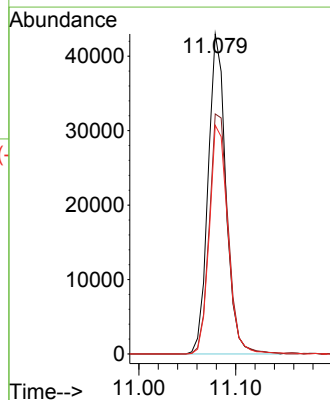
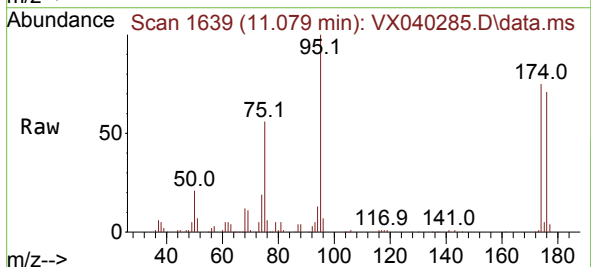
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D1-20240215

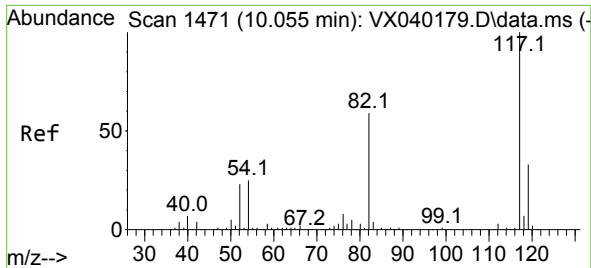
Tgt Ion:129 Resp: 586  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#



#62  
4-Bromofluorobenzene  
Concen: 44.297 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

Tgt Ion: 95 Resp: 55040  
Ion Ratio Lower Upper  
95 100  
174 79.9 0.0 135.6  
176 75.0 0.0 131.0

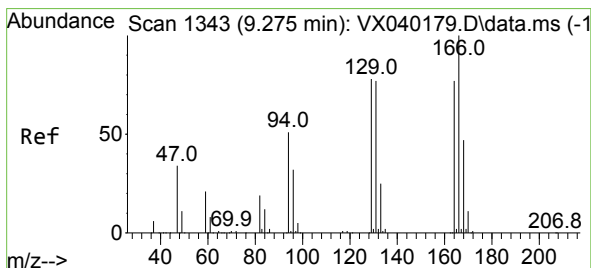
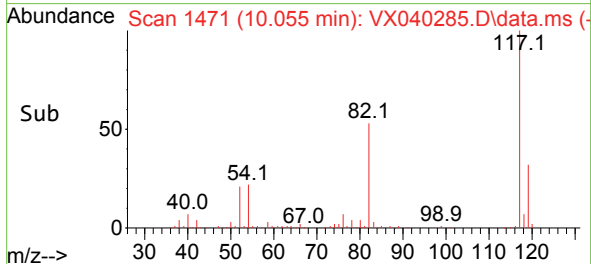
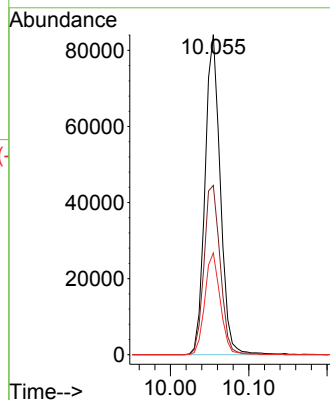
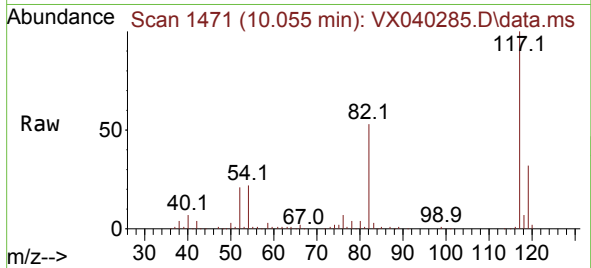




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

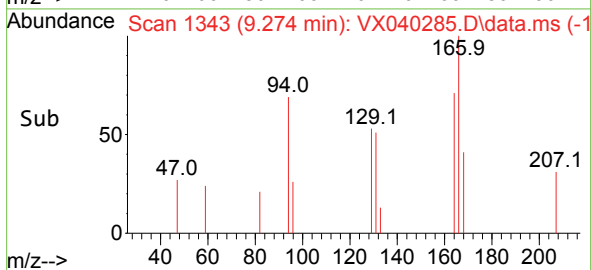
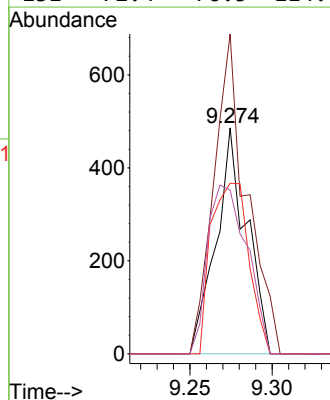
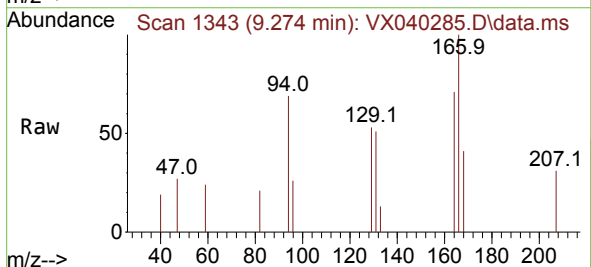
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D1-20240215

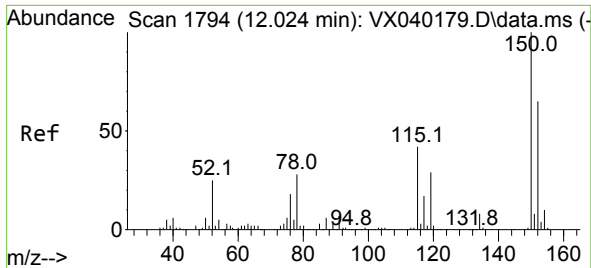
Tgt Ion:117 Resp: 113597  
Ion Ratio Lower Upper  
117 100  
82 52.9 46.2 69.4  
119 31.8 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.789 ug/l  
RT: 9.274 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

Tgt Ion:164 Resp: 628  
Ion Ratio Lower Upper  
164 100  
166 141.6 102.7 154.1  
129 75.5 80.4 120.6#  
131 72.4 76.5 114.7#

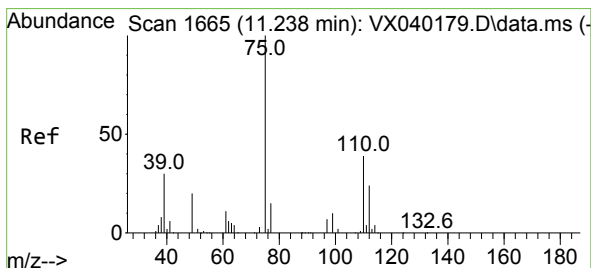
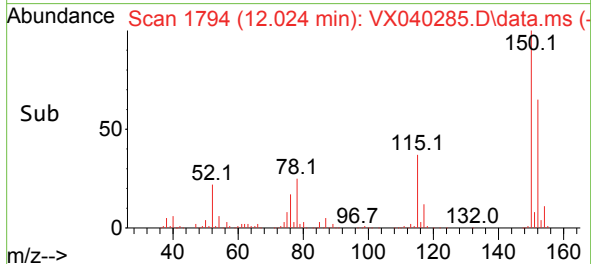
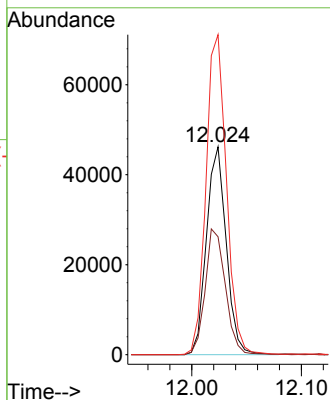
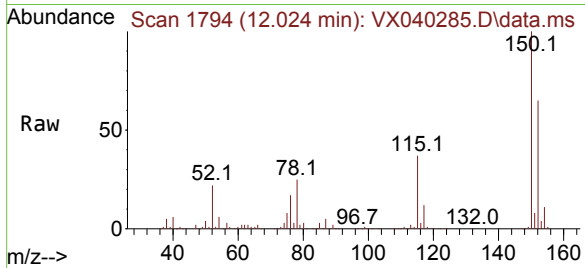




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

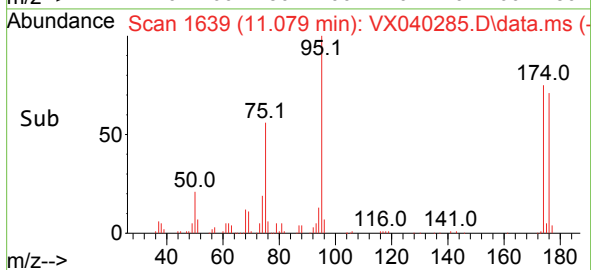
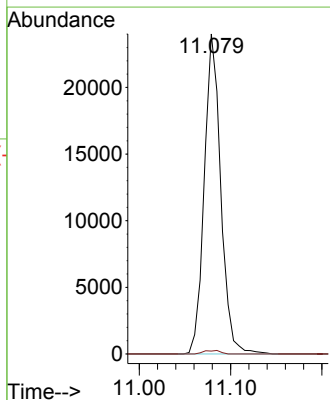
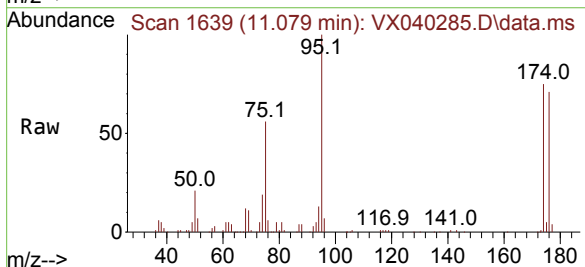
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D1-20240215

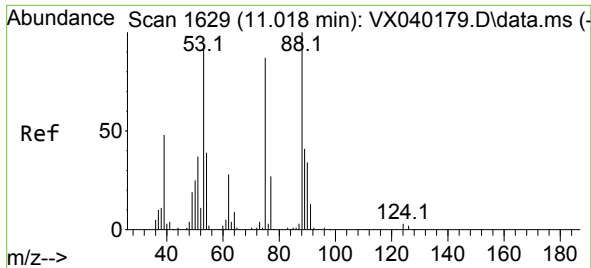
Tgt Ion:152 Resp: 58075  
Ion Ratio Lower Upper  
152 100  
115 61.6 43.3 129.9  
150 158.7 0.0 345.0



#76  
1,2,3-Trichloropropane  
Concen: 25.523 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX040285.D  
Acq: 16 Feb 2024 17:48

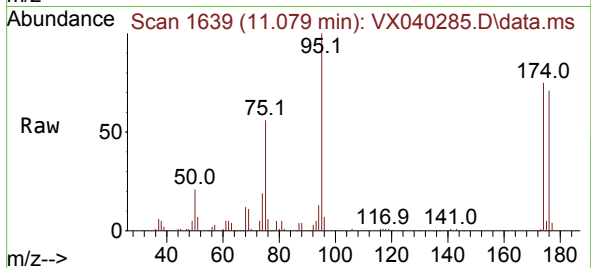
Tgt Ion: 75 Resp: 30016  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 70.133 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX040285.D  
 Acq: 16 Feb 2024 17:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE126D1-20240215



Tgt Ion: 75 Resp: 30016  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

