

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021724\  
 Data File : VX040297.D  
 Acq On : 17 Feb 2024 13:15  
 Operator : JC/MD  
 Sample : P1507-06DL 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE132D5-20240214DL

Quant Time: Feb 19 03:56:11 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

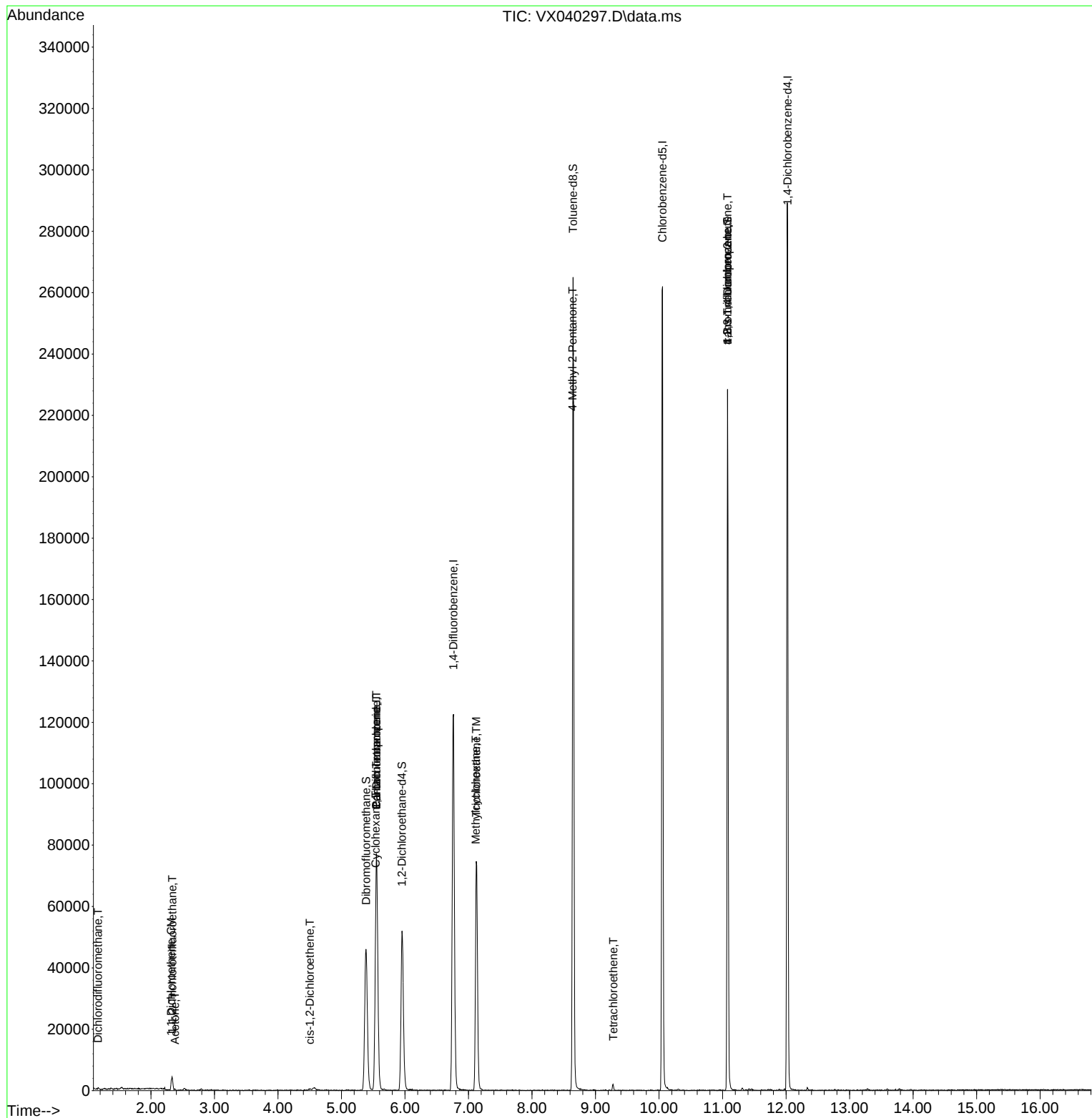
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 72370      | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 124466     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 120898     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 60331      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 49827      | 46.280    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 92.560%   |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 40749      | 46.881    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 93.760%   |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 151921     | 46.724    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 93.440%   |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 58987      | 44.483    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 88.960%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166          | 85   | 255        | 0.312     | ug/l # | 41       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.337          | 101  | 1636       | 2.132     | ug/l   | 96       |
| 12) 1,1-Dichloroethene        | 2.318          | 96   | 335        | 0.453     | ug/l # | 63       |
| 16) Acetone                   | 2.379          | 43   | 357        | 0.807     | ug/l # | 20       |
| 20) Methylene Chloride        | 2.794          | 84   | 236        | Below Cal | #      | 52       |
| 27) cis-1,2-Dichloroethene    | 4.501          | 96   | 341        | 0.355     | ug/l   | 57       |
| 31) Cyclohexane               | 5.537          | 56   | 1684       | 1.311     | ug/l # | 22       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 6185       | 5.080     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 7515       | 6.491     | ug/l # | 15       |
| 39) Methylcyclohexane         | 7.116          | 83   | 366        | 0.259     | ug/l # | 37       |
| 44) Trichloroethene           | 7.122          | 130  | 28487      | 30.330    | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.641          | 43   | 765        | 0.530     | ug/l # | 1        |
| 64) Tetrachloroethene         | 9.281          | 164  | 219        | 0.258     | ug/l # | 59       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 31169      | 25.512    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 31169      | 70.105    | ug/l # | 5        |
| -----                         |                |      |            |           |        |          |

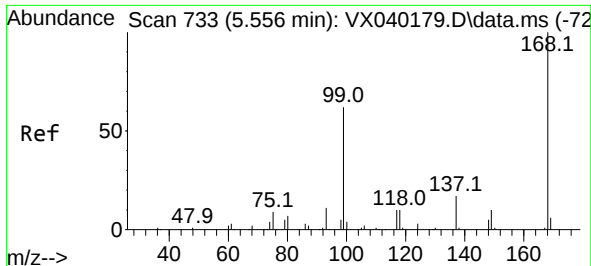
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021724\  
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QLast Update : Mon Feb 12 00:21:14 2024  
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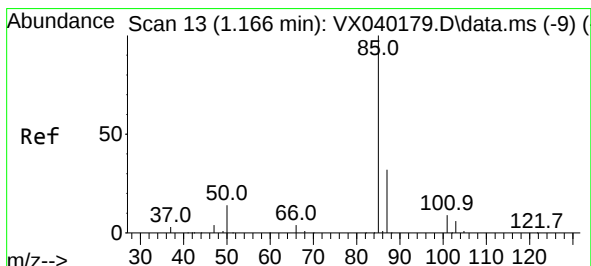
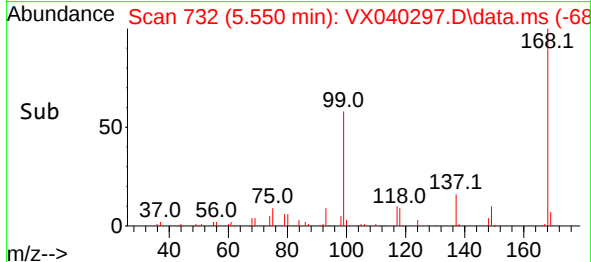
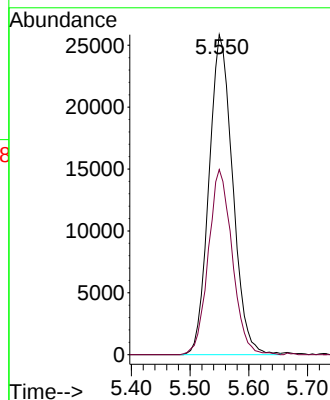
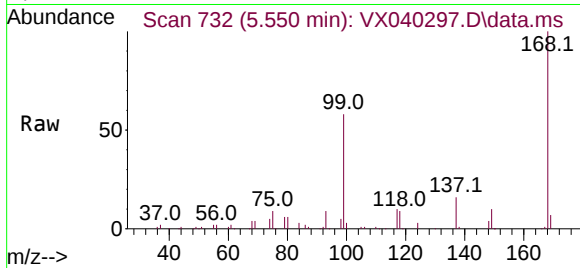




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

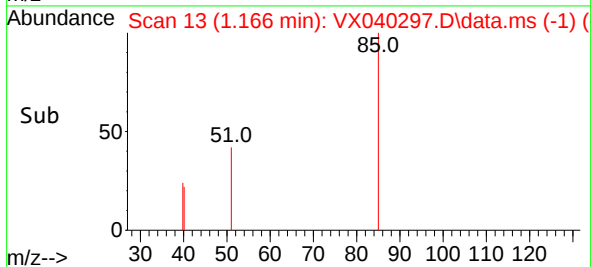
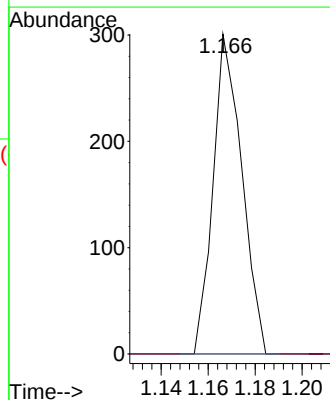
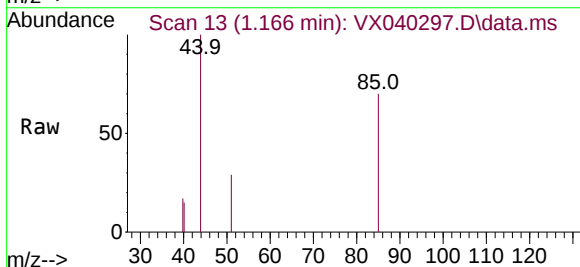
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20240214DL

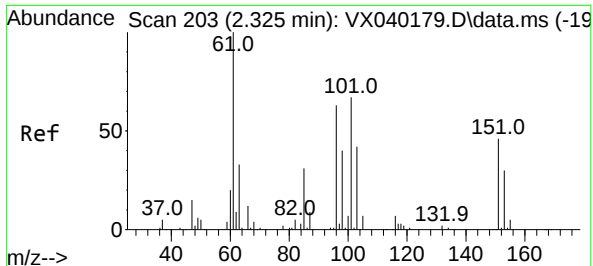
Tgt Ion:168 Resp: 72370  
Ion Ratio Lower Upper  
168 100  
99 57.9 56.6 85.0



#2  
Dichlorodifluoromethane  
Concen: 0.312 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

Tgt Ion: 85 Resp: 255  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.7 50.1#

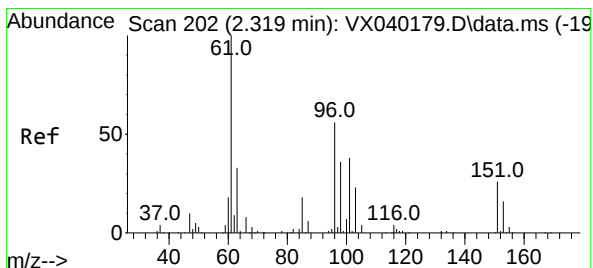
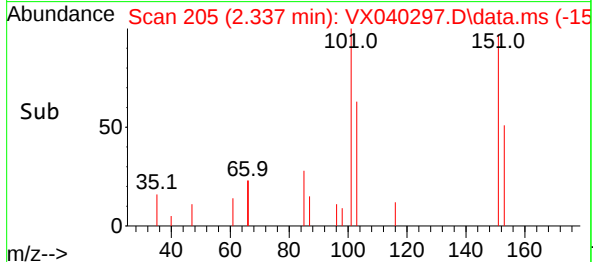
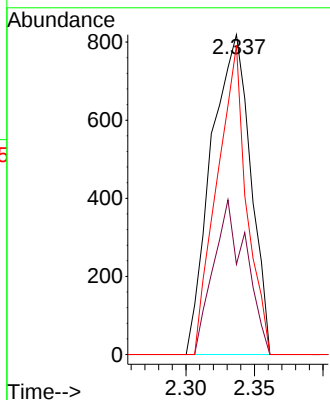
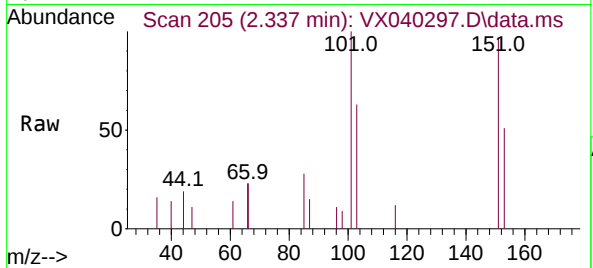




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.132 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.012 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

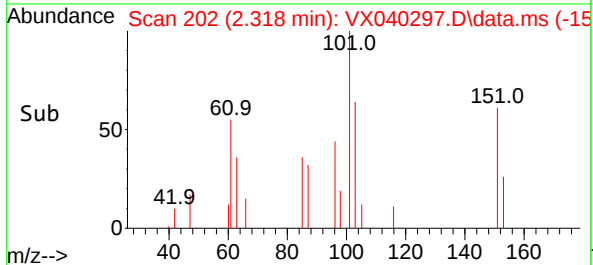
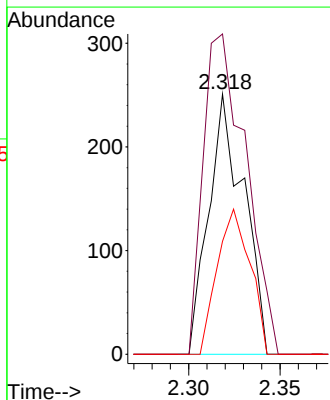
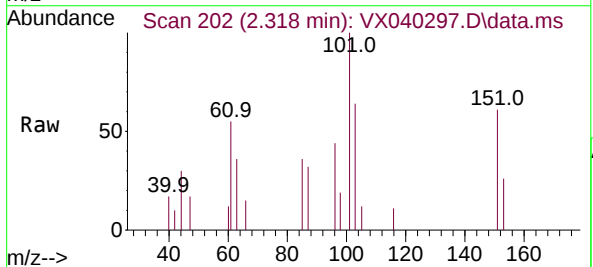
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20240214DL

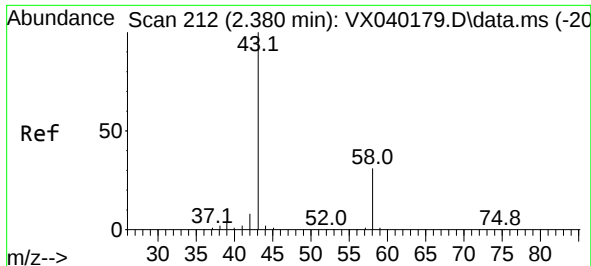
Tgt Ion:101 Resp: 1636  
Ion Ratio Lower Upper  
101 100  
85 40.2 37.0 55.6  
151 73.0 58.6 87.8



#12  
1,1-Dichloroethene  
Concen: 0.453 ug/l  
RT: 2.318 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

Tgt Ion: 96 Resp: 335  
Ion Ratio Lower Upper  
96 100  
61 123.1 144.6 216.8#  
98 43.4 50.4 75.6#





#16

Acetone

Concen: 0.807 ug/l

RT: 2.379 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040297.D

Acq: 17 Feb 2024 13:15

Instrument :

MSVOA\_X

ClientSampleId :

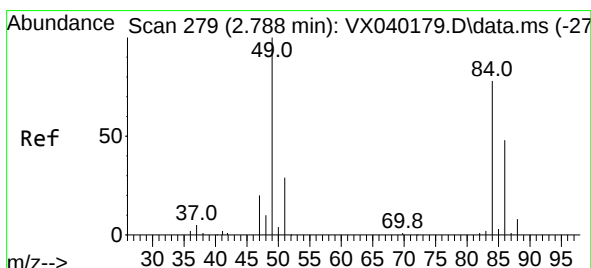
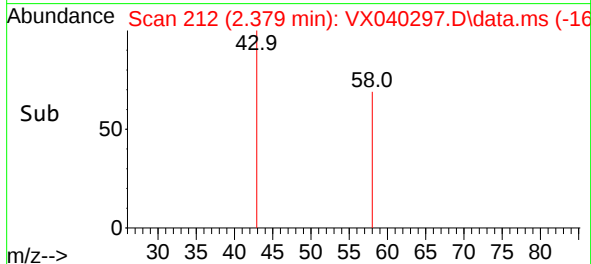
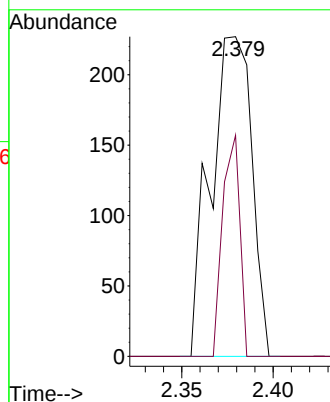
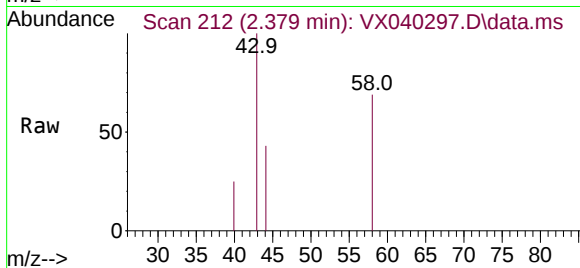
RE132D5-20240214DL

Tgt Ion: 43 Resp: 357

Ion Ratio Lower Upper

43 100

58 69.2 21.9 32.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040297.D

Acq: 17 Feb 2024 13:15

Tgt Ion: 84 Resp: 236

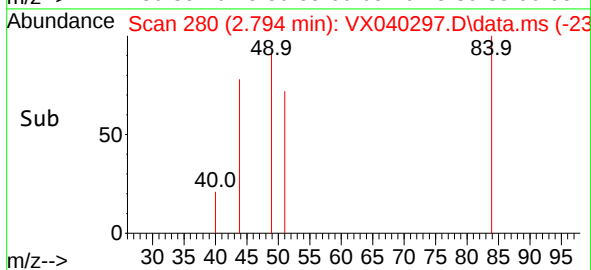
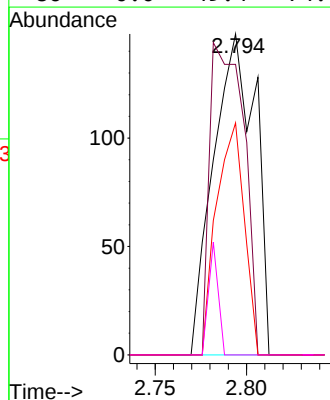
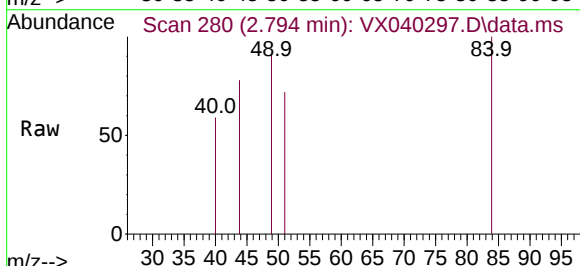
Ion Ratio Lower Upper

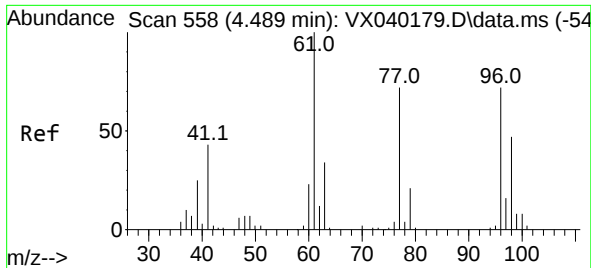
84 100

49 90.5 103.6 155.4#

51 72.3 33.8 50.6#

86 0.0 49.4 74.0#

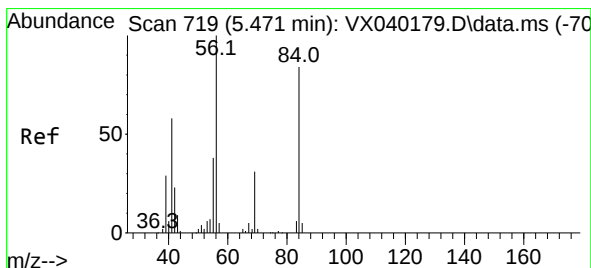
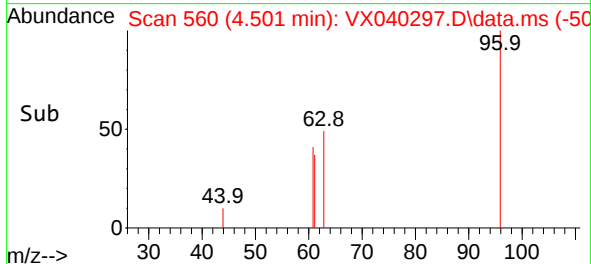
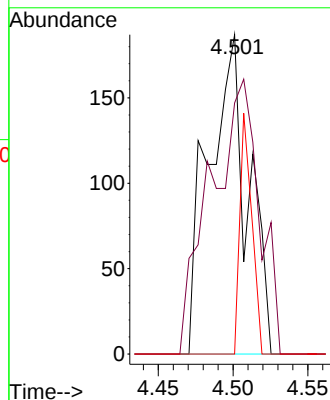
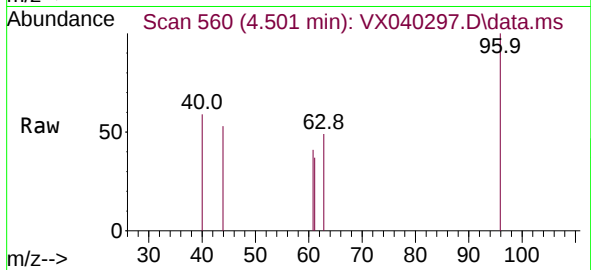




#27  
 cis-1,2-Dichloroethene  
 Concen: 0.355 ug/l  
 RT: 4.501 min Scan# 50  
 Delta R.T. 0.012 min  
 Lab File: VX040297.D  
 Acq: 17 Feb 2024 13:15

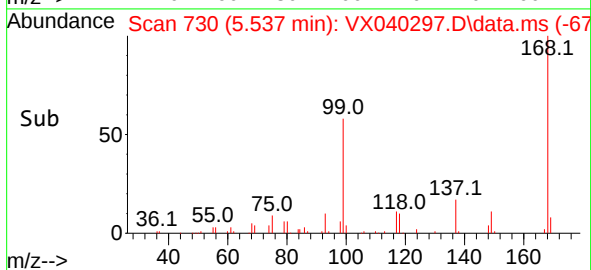
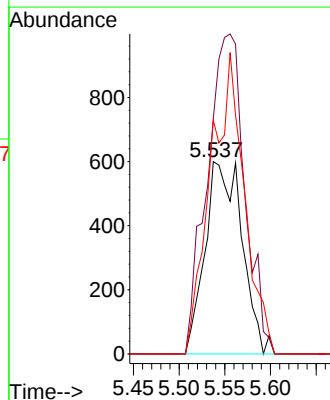
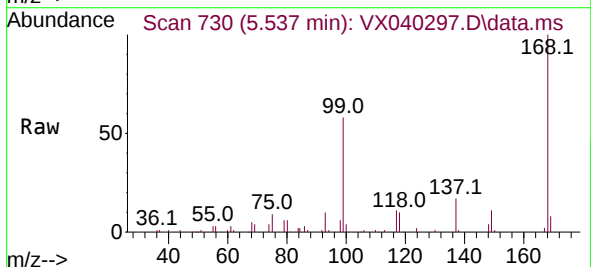
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE132D5-20240214DL

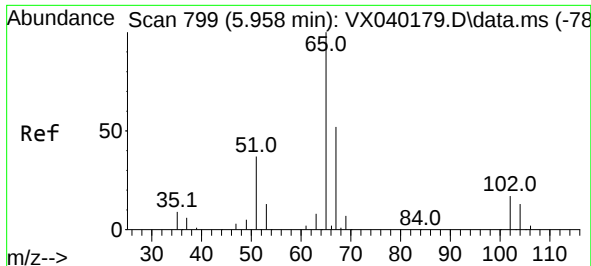
Tgt Ion: 96 Resp: 341  
 Ion Ratio Lower Upper  
 96 100  
 61 106.5 0.0 312.2  
 98 22.9 0.0 129.0



#31  
 Cyclohexane  
 Concen: 1.311 ug/l  
 RT: 5.537 min Scan# 730  
 Delta R.T. 0.067 min  
 Lab File: VX040297.D  
 Acq: 17 Feb 2024 13:15

Tgt Ion: 56 Resp: 1684  
 Ion Ratio Lower Upper  
 56 100  
 69 122.3 23.4 35.2#  
 84 121.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.280 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX040297.D

Acq: 17 Feb 2024 13:15

Instrument :

MSVOA\_X

ClientSampleId :

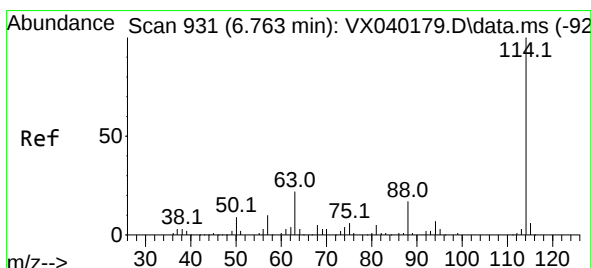
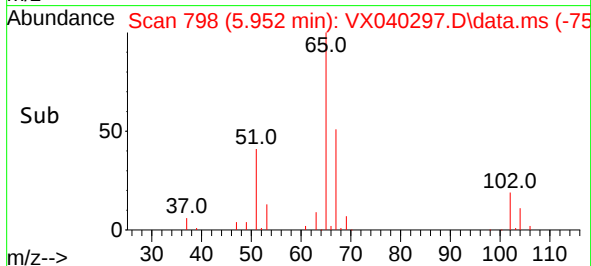
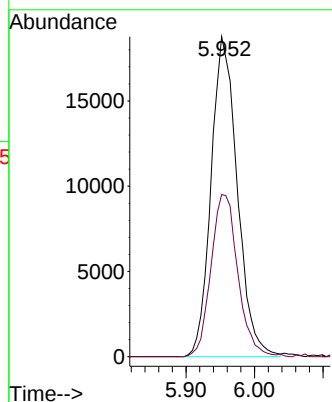
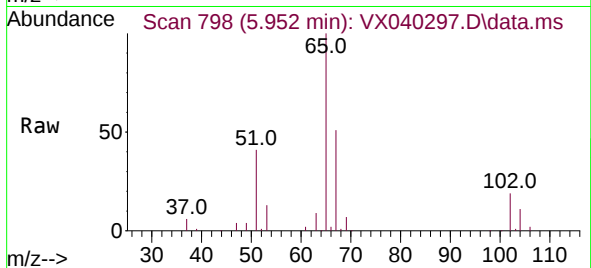
RE132D5-20240214DL

Tgt Ion: 65 Resp: 49827

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX040297.D

Acq: 17 Feb 2024 13:15

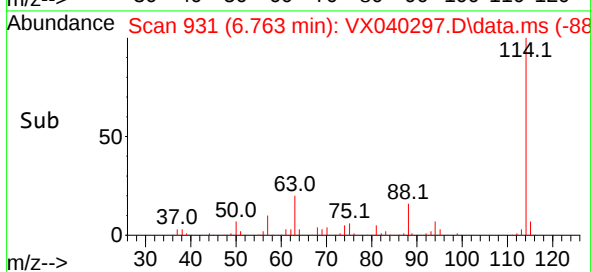
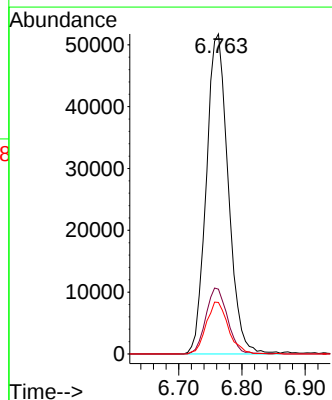
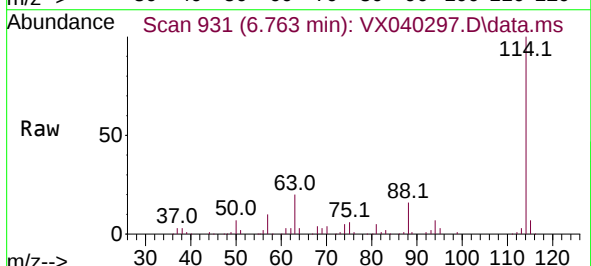
Tgt Ion: 114 Resp: 124466

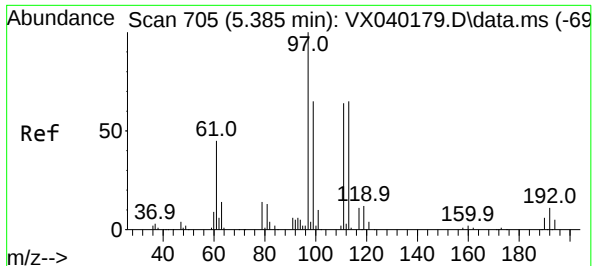
Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.0

88 16.1 0.0 36.6

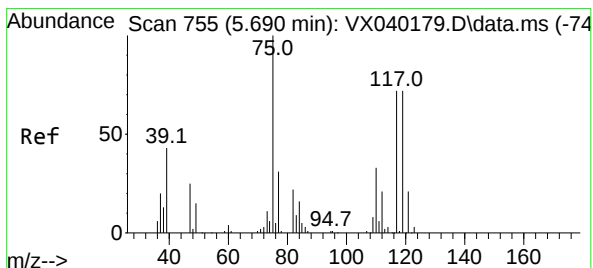
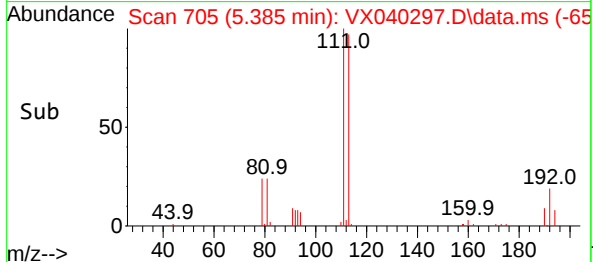
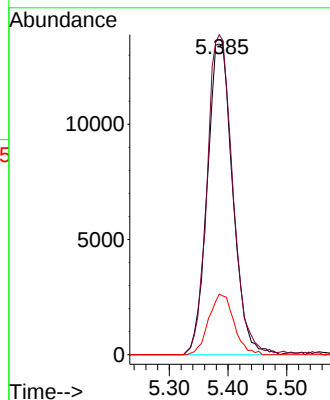
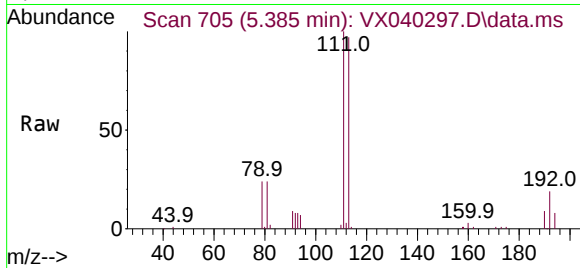




#35  
Dibromofluoromethane  
Concen: 46.881 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

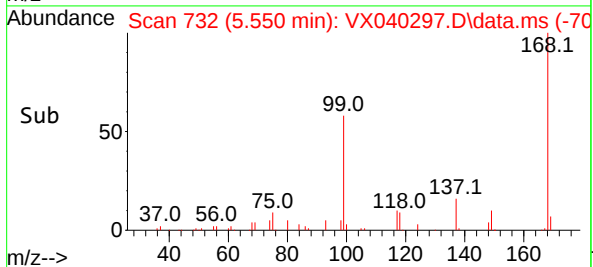
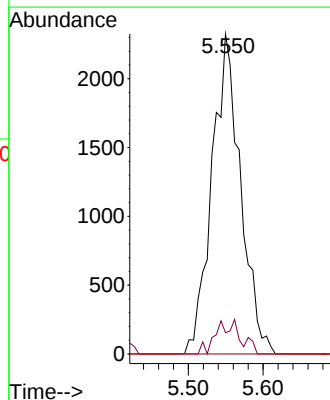
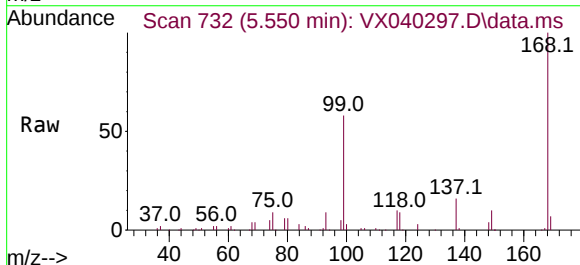
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MSVOA\_X  
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RE132D5-20240214DL

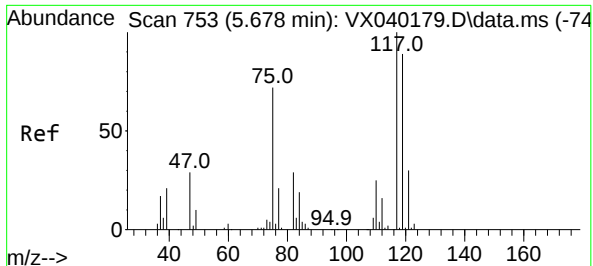
Tgt Ion:113 Resp: 40749  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.9 124.3  
192 19.2 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 5.080 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

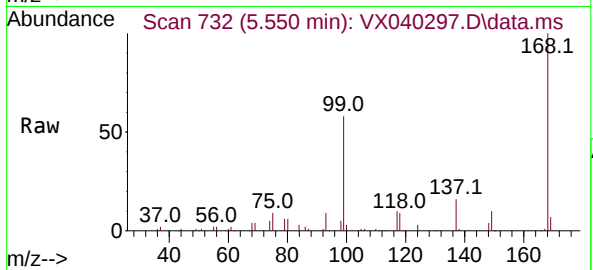
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Ion Ratio Lower Upper  
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110 7.8 17.0 50.9#  
77 0.0 24.7 37.1#



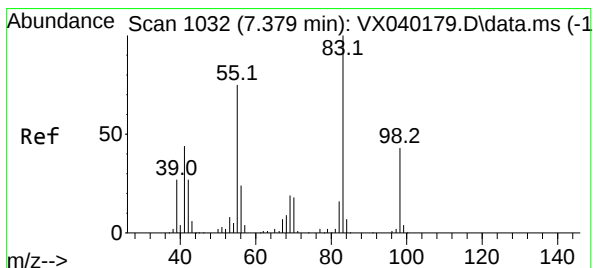
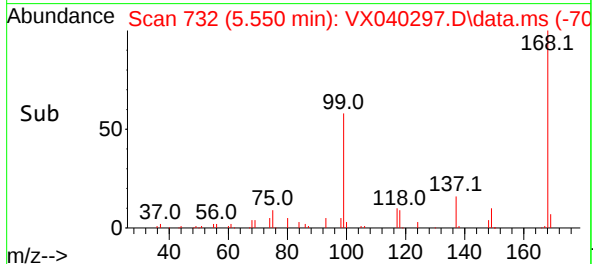
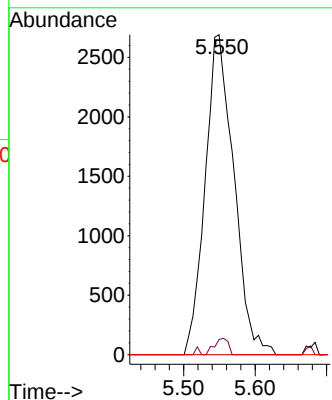


#38  
Carbon Tetrachloride  
Concen: 6.491 ug/l  
RT: 5.550 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20240214DL

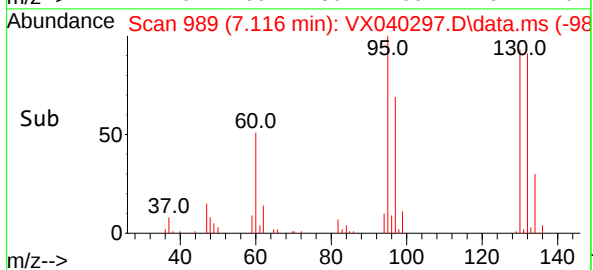
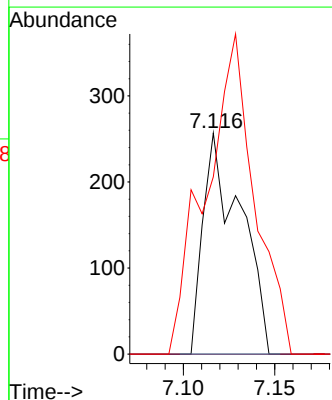
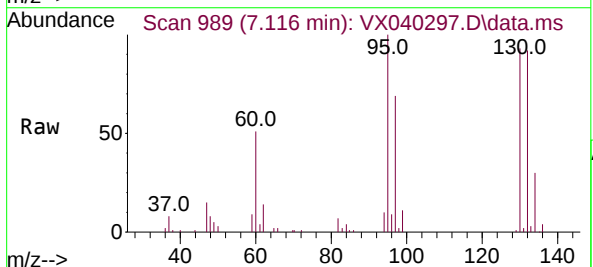


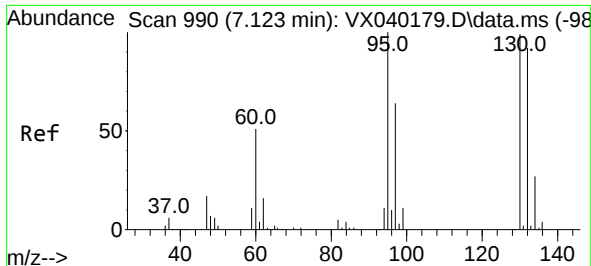
Tgt Ion:117 Resp: 7515  
Ion Ratio Lower Upper  
117 100  
119 4.8 78.2 117.2#  
121 0.0 24.4 36.6#



#39  
Methylcyclohexane  
Concen: 0.259 ug/l  
RT: 7.116 min Scan# 989  
Delta R.T. -0.262 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

Tgt Ion: 83 Resp: 366  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.6 97.0#  
98 54.5 36.7 55.1

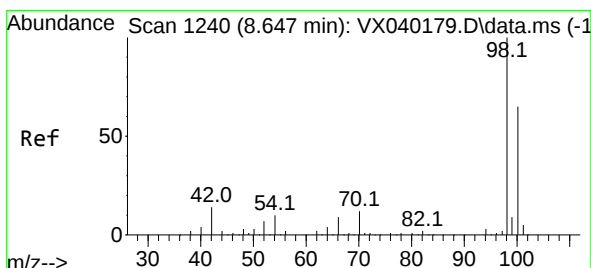
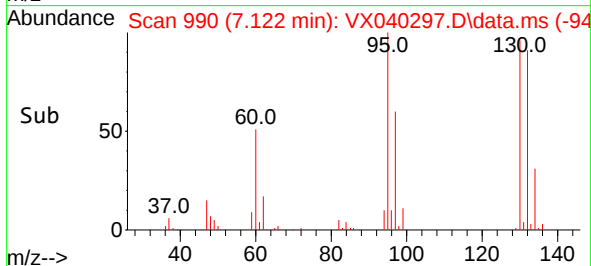
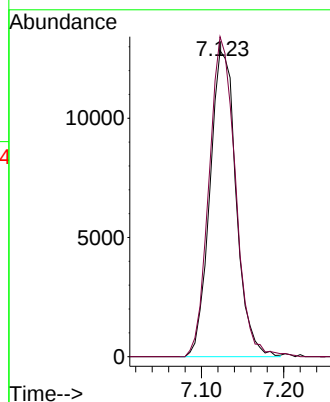
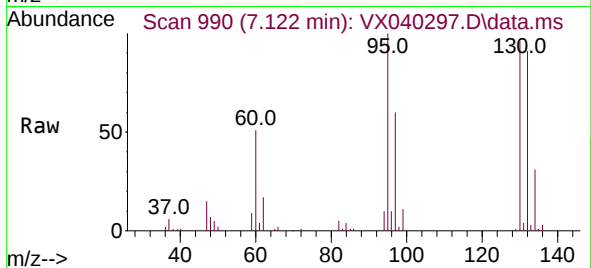




#44  
Trichloroethene  
Concen: 30.330 ug/l  
RT: 7.122 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

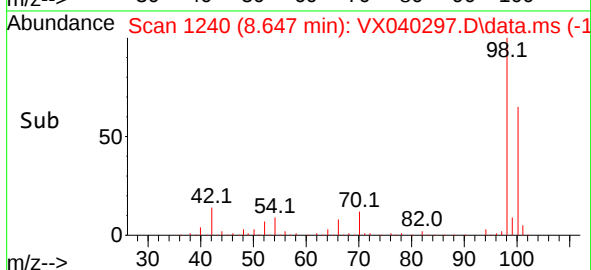
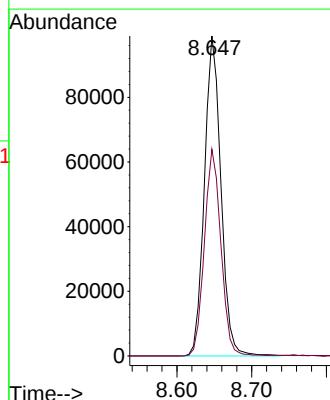
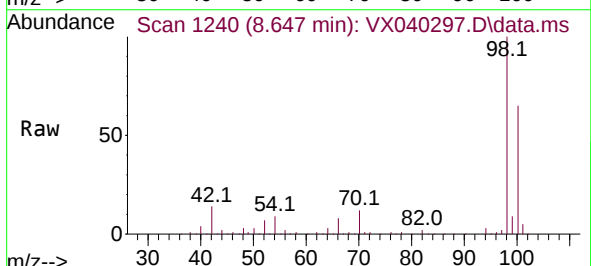
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20240214DL

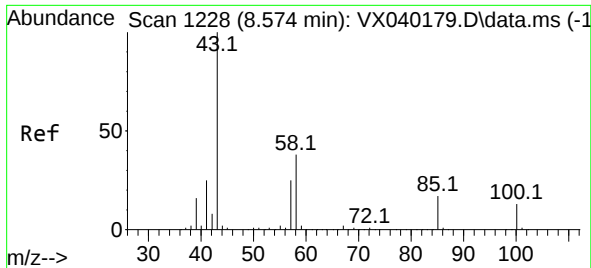
Tgt Ion:130 Resp: 28487  
Ion Ratio Lower Upper  
130 100  
95 104.6 0.0 204.4



#50  
Toluene-d8  
Concen: 46.724 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

Tgt Ion: 98 Resp: 151921  
Ion Ratio Lower Upper  
98 100  
100 64.8 53.1 79.7

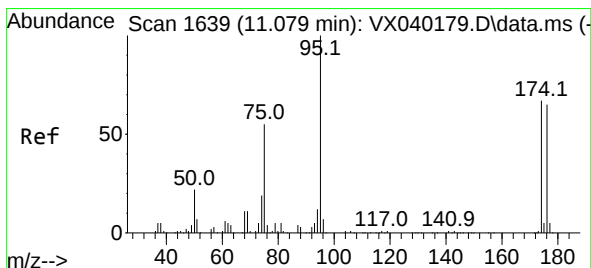
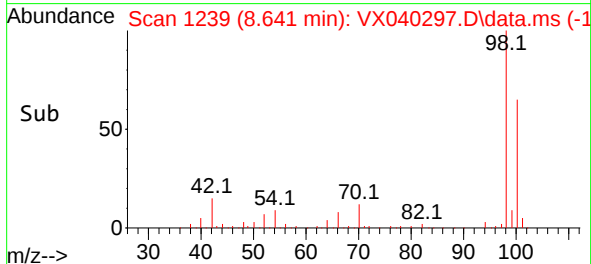
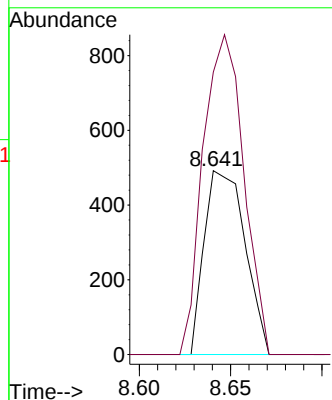
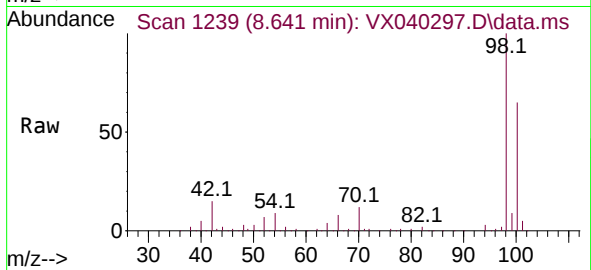




#51  
4-Methyl-2-Pentanone  
Concen: 0.530 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. 0.067 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

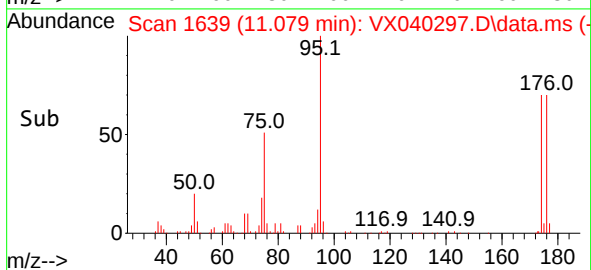
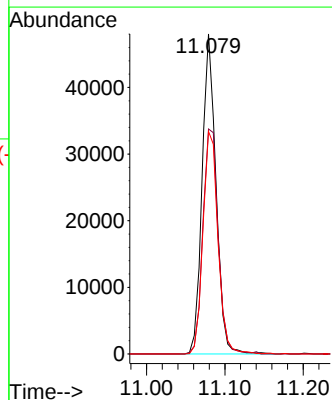
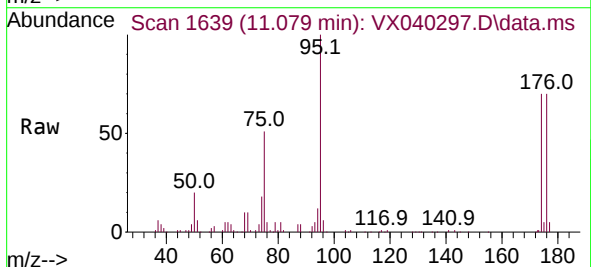
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20240214DL

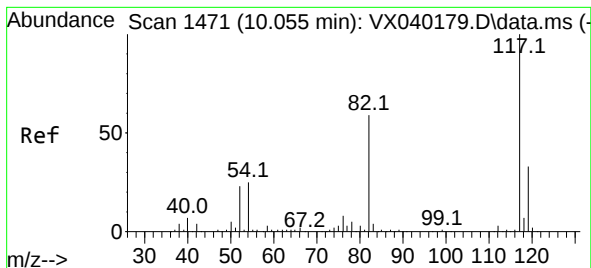
Tgt Ion: 43 Resp: 765  
Ion Ratio Lower Upper  
43 100  
58 173.6 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 44.483 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX040297.D  
Acq: 17 Feb 2024 13:15

Tgt Ion: 95 Resp: 58987  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 135.6  
176 75.2 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: VX040297.D

Acq: 17 Feb 2024 13:15

Instrument :

MSVOA\_X

ClientSampleId :

RE132D5-20240214DL

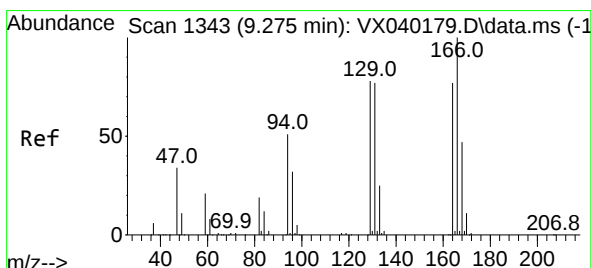
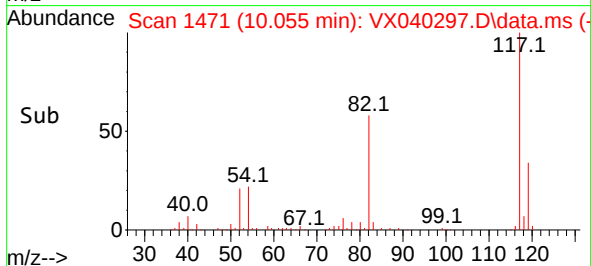
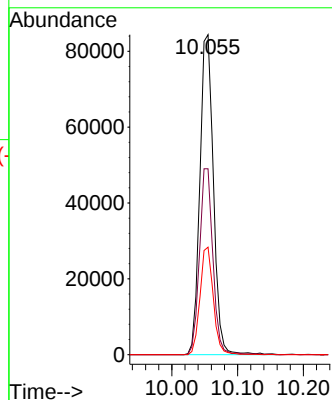
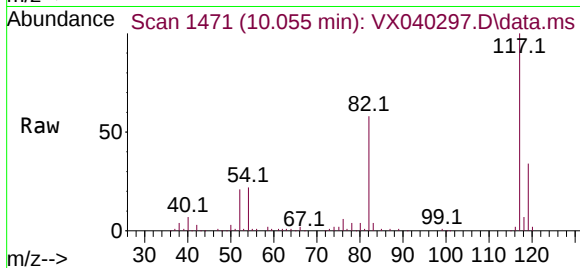
Tgt Ion:117 Resp: 120898

Ion Ratio Lower Upper

117 100

82 58.1 46.2 69.4

119 33.6 25.5 38.3



#64

Tetrachloroethene

Concen: 0.258 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX040297.D

Acq: 17 Feb 2024 13:15

Tgt Ion:164 Resp: 219

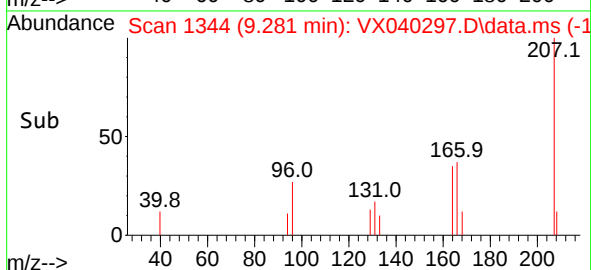
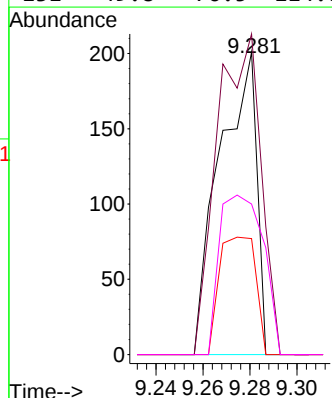
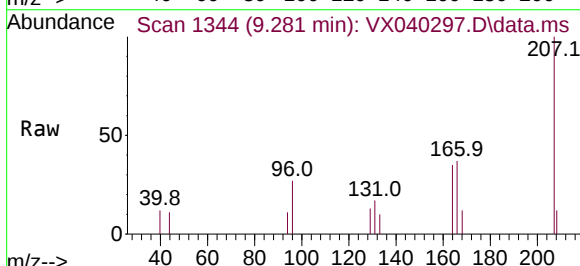
Ion Ratio Lower Upper

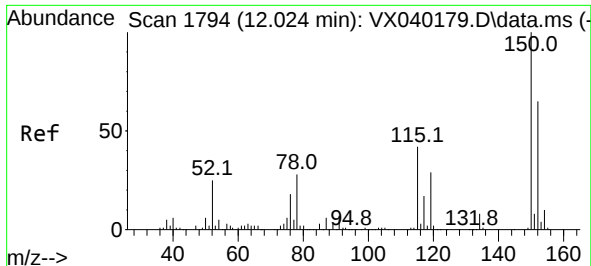
164 100

166 106.0 102.7 154.1

129 38.3 80.4 120.6#

131 49.8 76.5 114.7#

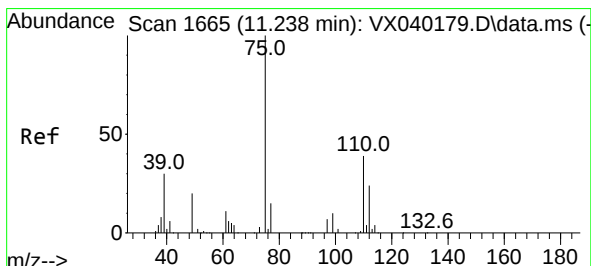
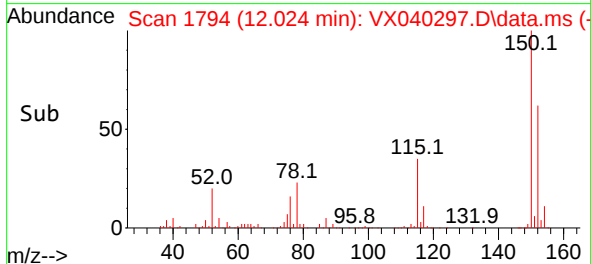
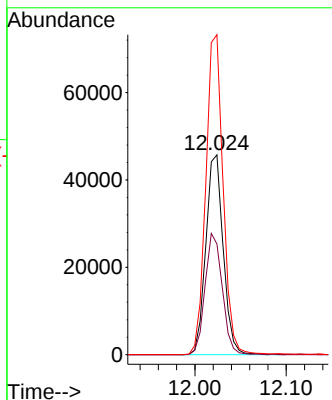
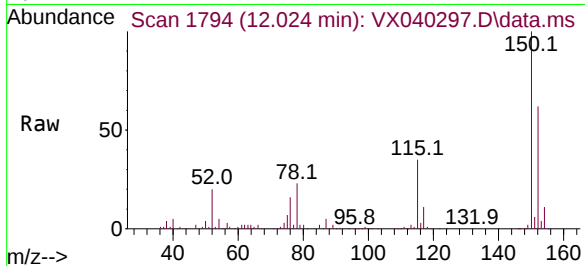




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX040297.D  
 Acq: 17 Feb 2024 13:15

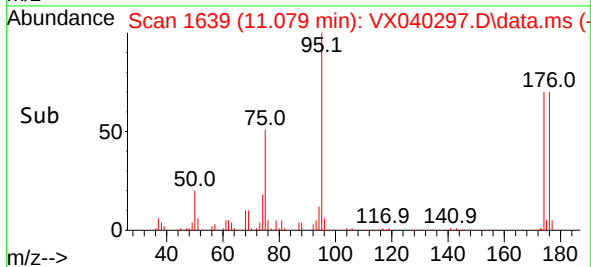
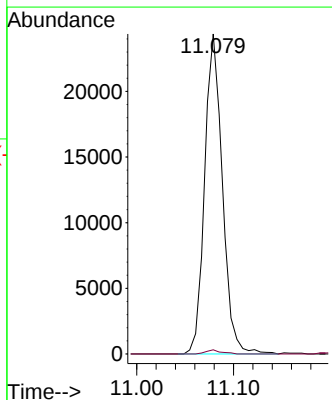
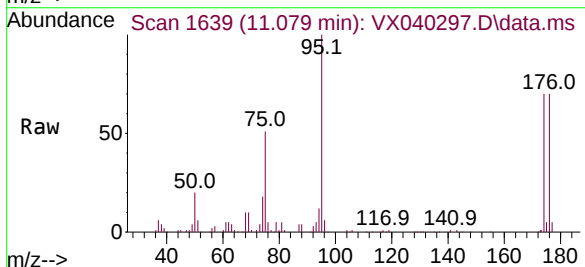
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE132D5-20240214DL

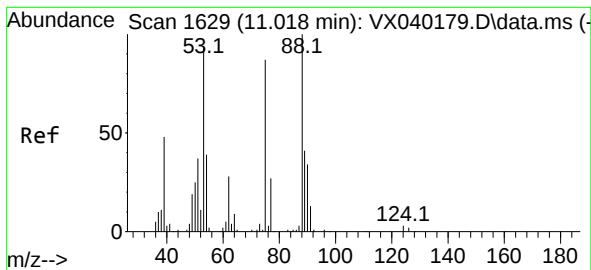
Tgt Ion:152 Resp: 60331  
 Ion Ratio Lower Upper  
 152 100  
 115 60.0 43.3 129.9  
 150 158.9 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.512 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX040297.D  
 Acq: 17 Feb 2024 13:15

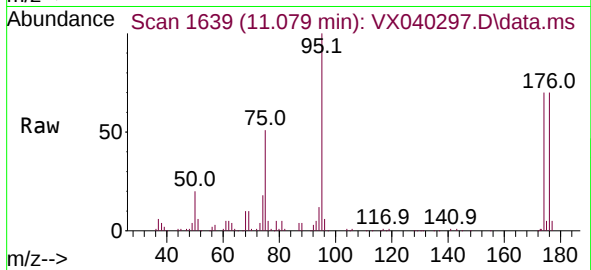
Tgt Ion: 75 Resp: 31169  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 70.105 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX040297.D  
 Acq: 17 Feb 2024 13:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE132D5-20240214DL



Tgt Ion: 75 Resp: 31169  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.1 36.9 55.3#

