

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111522\  
 Data File : VX032849.D  
 Acq On : 16 Nov 2022 06:34  
 Operator : JC/MD  
 Sample : N5640-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-122

Quant Time: Nov 16 07:06:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 2022  
 Response via : Initial Calibration

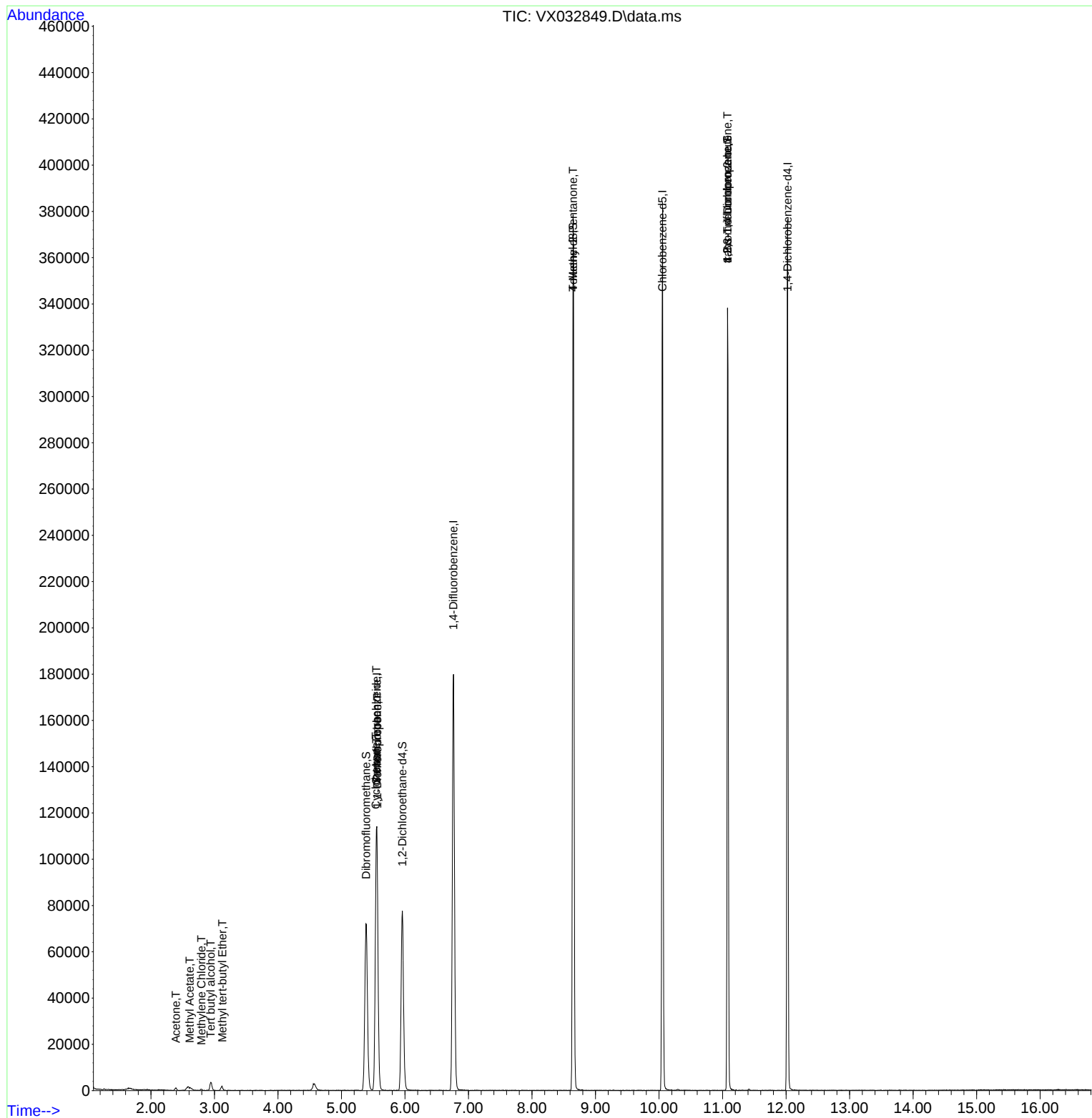
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 109516   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 183097   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 164359   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 76448    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 78230    | 51.410   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 102.820% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 61832    | 47.343   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 94.680%  |          |
| 50) Toluene-d8                | 8.647  | 98    | 226312   | 49.833   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 99.660%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 84539    | 47.655   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 95.300%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 2.940  | 59    | 2189     | 9.883    | ug/l #     | 72       |
| 16) Acetone                   | 2.392  | 43    | 1306     | 2.361    | ug/l #     | 89       |
| 18) Methyl Acetate            | 2.611  | 43    | 512      | 0.285    | ug/l #     | 51       |
| 19) Methyl tert-butyl Ether   | 3.123  | 73    | 2085     | 0.540    | ug/l       | 94       |
| 20) Methylene Chloride        | 2.794  | 84    | 283      | 0.223    | ug/l #     | 65       |
| 31) Cyclohexane               | 5.544  | 56    | 2285     | 1.238    | ug/l #     | 40       |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 8733     | 4.802    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 11157    | 5.531    | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1047     | 0.572    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 46034    | 27.066   | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 46034    | 86.126   | ug/l #     | 6        |
| -----                         |        |       |          |          |            |          |

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

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Sample : N5640-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-122

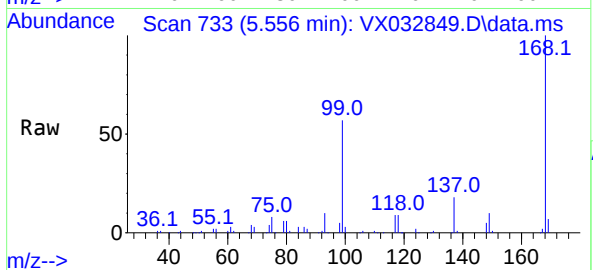
Quant Time: Nov 16 07:06:03 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration



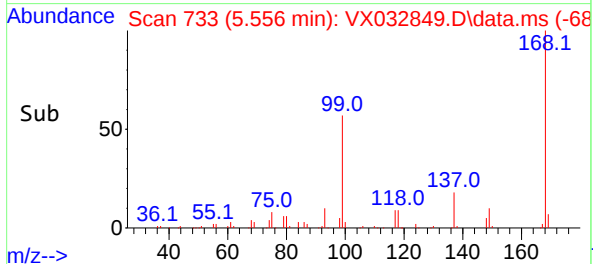
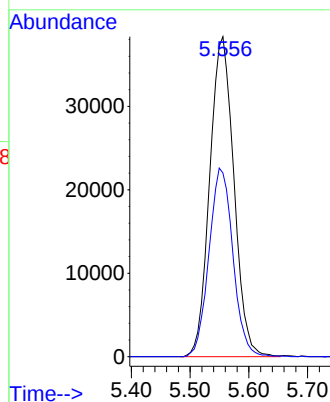


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-122

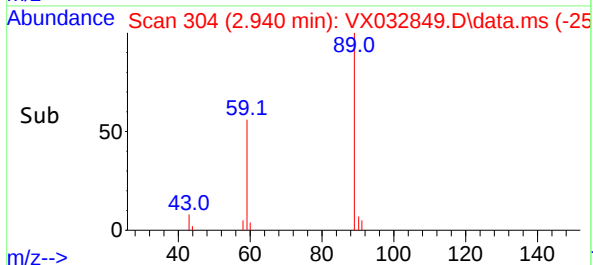
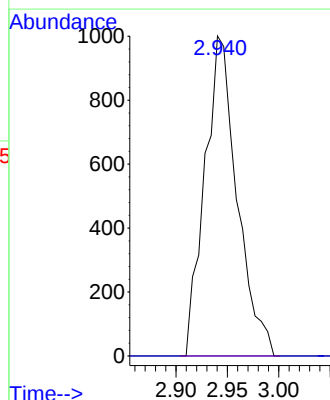
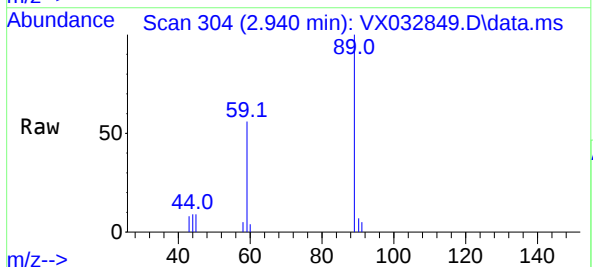


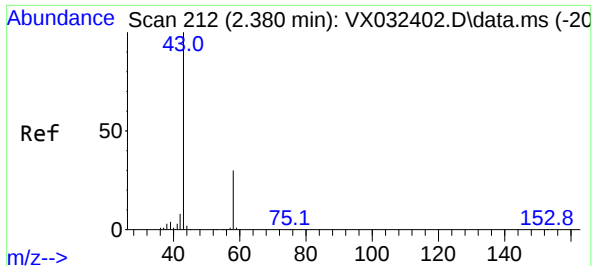
Tgt Ion:168 Resp: 109516  
Ion Ratio Lower Upper  
168 100  
99 57.4 46.1 69.1



#11  
Tert butyl alcohol  
Concen: 9.883 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.025 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

Tgt Ion: 59 Resp: 2189  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

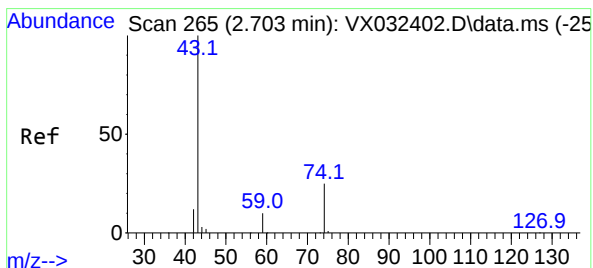
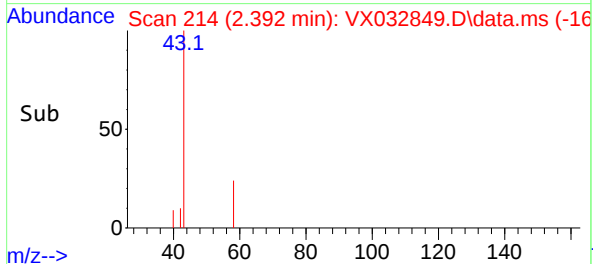
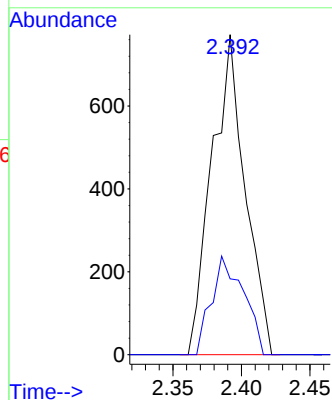
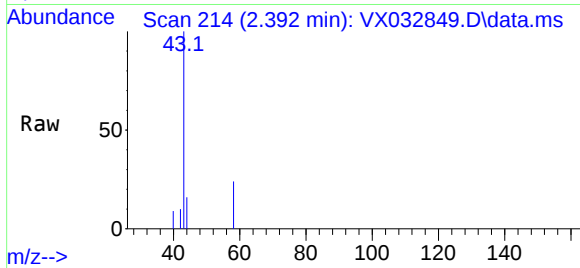




#16  
Acetone  
Concen: 2.361 ug/l  
RT: 2.392 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

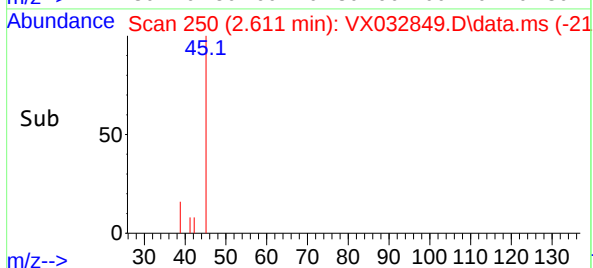
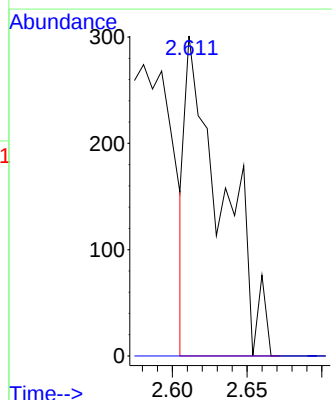
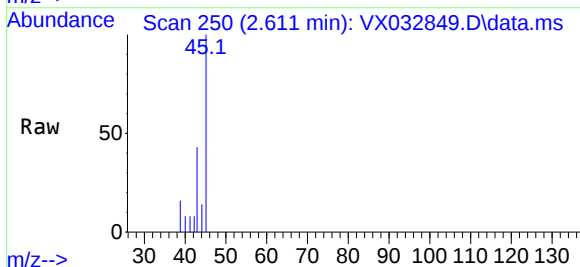
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-122

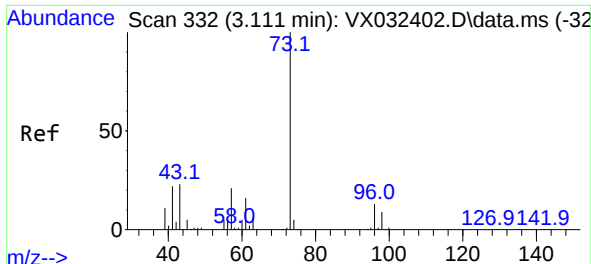
Tgt Ion: 43 Resp: 1306  
Ion Ratio Lower Upper  
43 100  
58 23.7 23.8 35.8#



#18  
Methyl Acetate  
Concen: 0.285 ug/l  
RT: 2.611 min Scan# 250  
Delta R.T. -0.092 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

Tgt Ion: 43 Resp: 512  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.4 29.0#

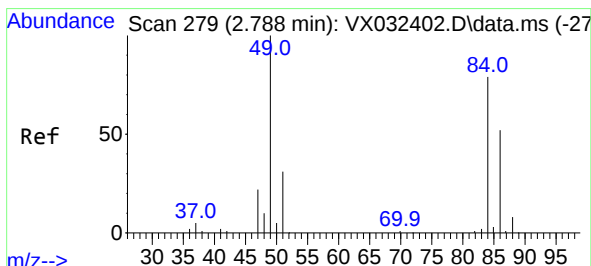
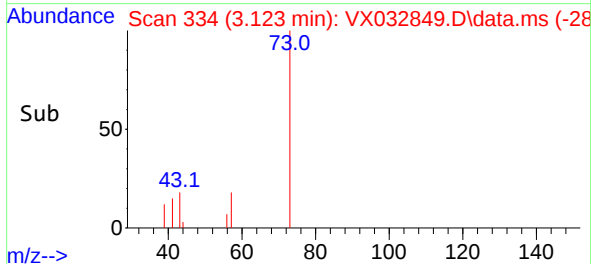
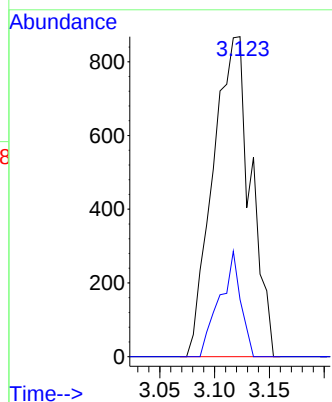
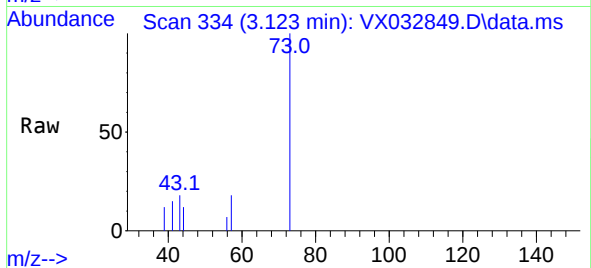




#19  
Methyl tert-butyl Ether  
Concen: 0.540 ug/l  
RT: 3.123 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

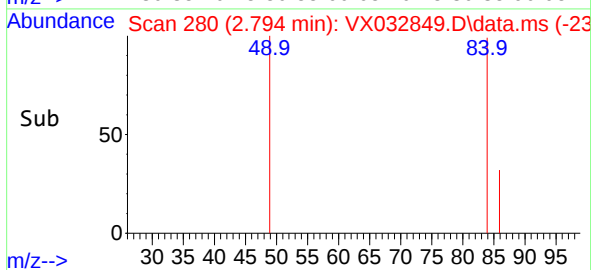
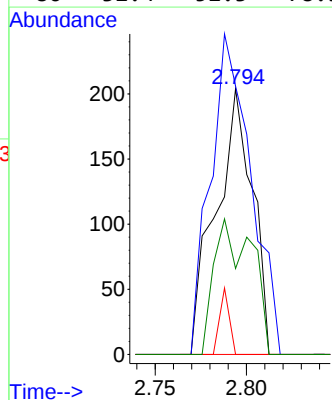
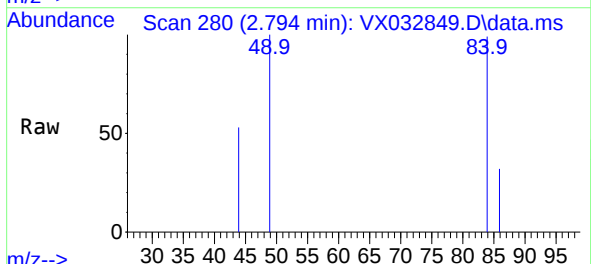
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-122

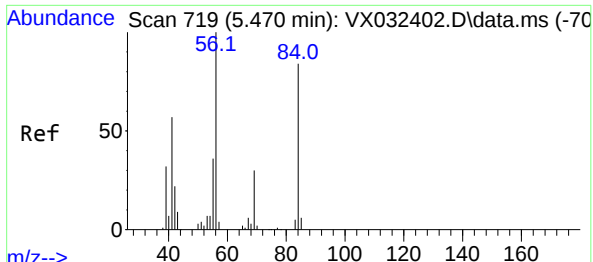
Tgt Ion: 73 Resp: 2085  
Ion Ratio Lower Upper  
73 100  
57 17.9 16.6 25.0



#20  
Methylene Chloride  
Concen: 0.223 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

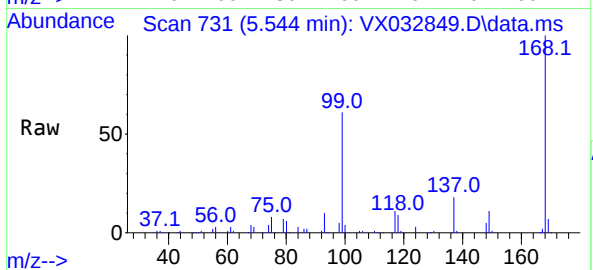
Tgt Ion: 84 Resp: 283  
Ion Ratio Lower Upper  
84 100  
49 101.0 101.0 151.6#  
51 0.0 31.1 46.7#  
86 32.4 52.3 78.5#



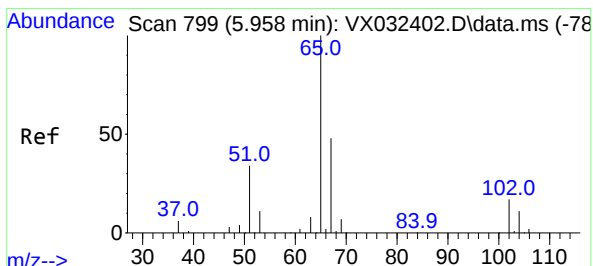
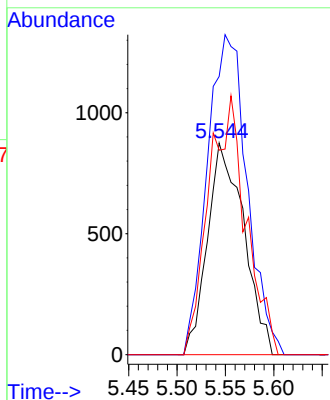
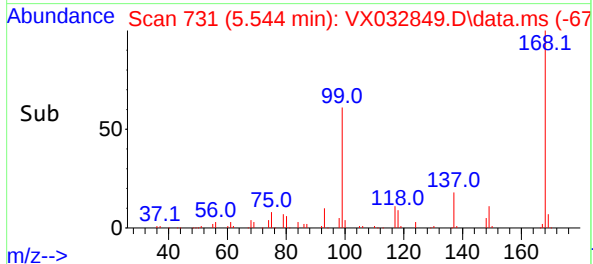


#31  
Cyclohexane  
Concen: 1.238 ug/l  
RT: 5.544 min Scan# 719  
Delta R.T. 0.073 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-122

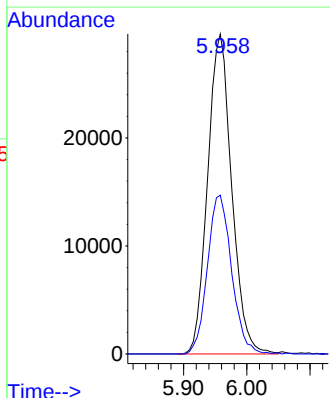
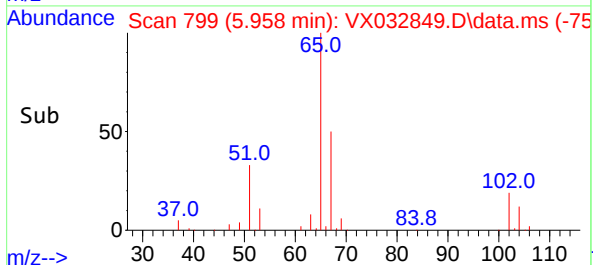
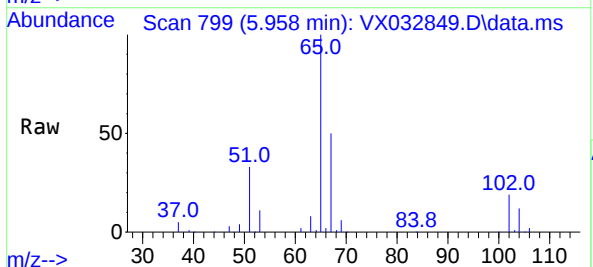


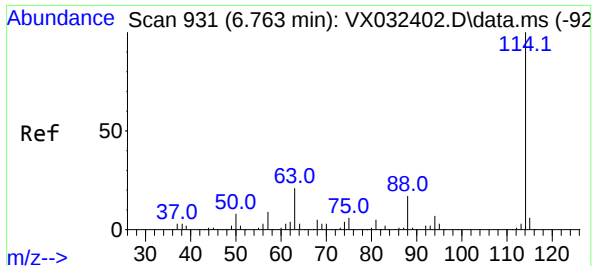
Tgt Ion: 56 Resp: 2285  
Ion Ratio Lower Upper  
56 100  
69 131.4 24.1 36.1#  
84 96.6 66.9 100.3



#33  
1,2-Dichloroethane-d4  
Concen: 51.410 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

Tgt Ion: 65 Resp: 78230  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 101.8

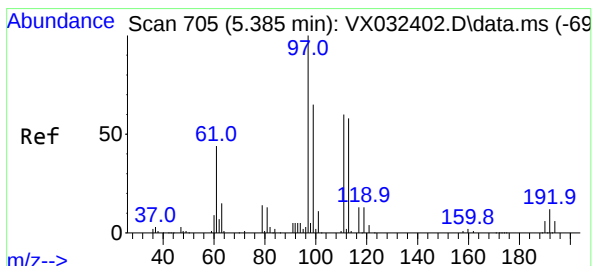
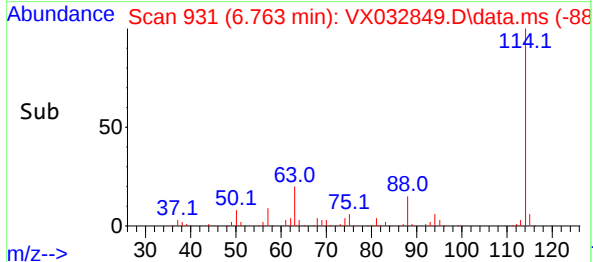
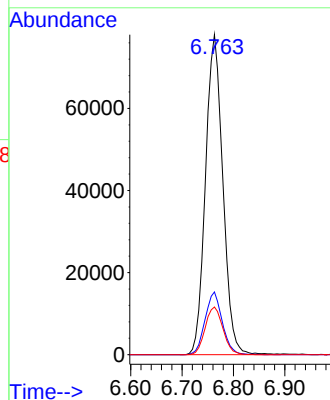
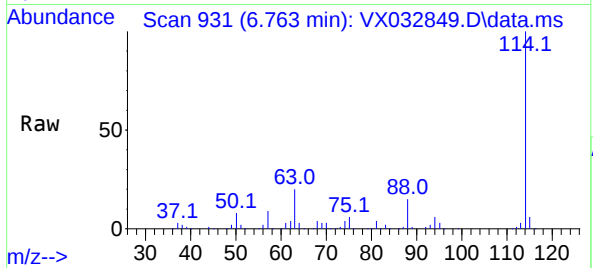




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

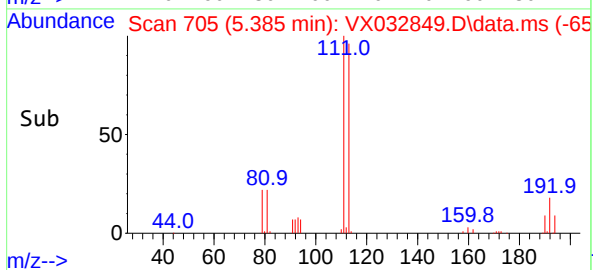
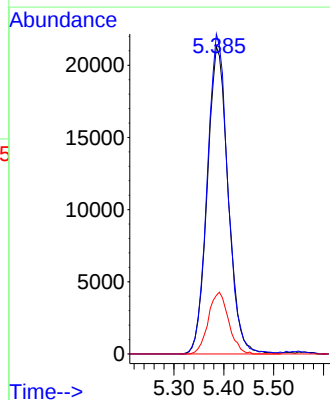
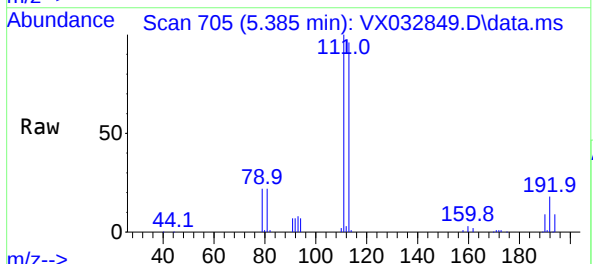
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-122

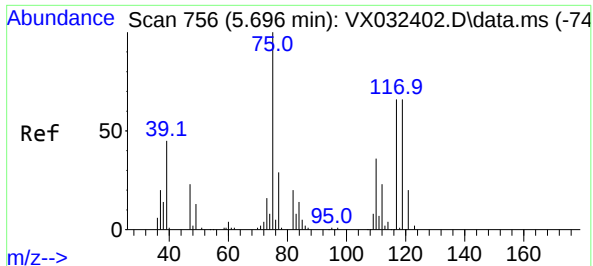
Tgt Ion:114 Resp: 183097  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 41.6  
88 14.9 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 47.343 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

Tgt Ion:113 Resp: 61832  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.4 123.6  
192 19.6 15.4 23.2

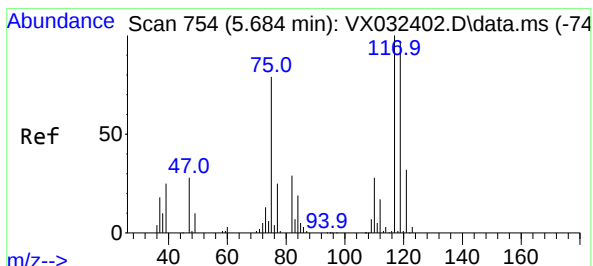
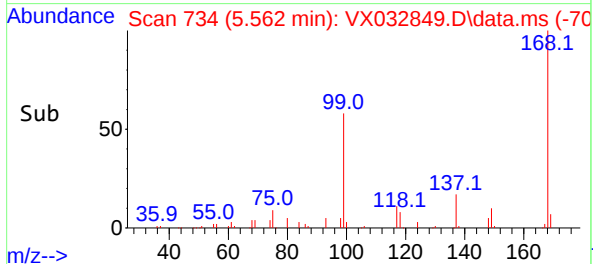
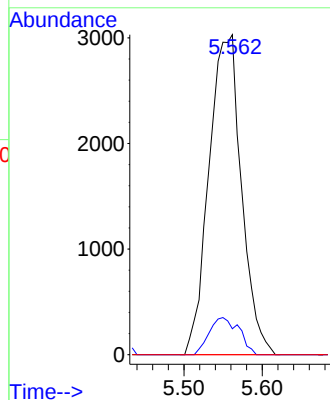
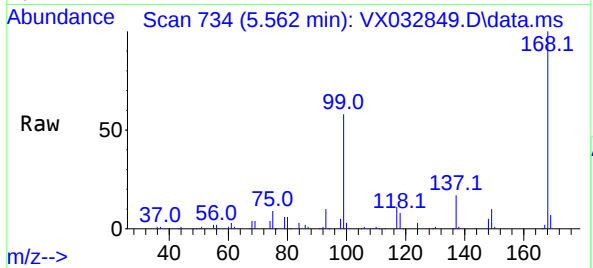




#36  
1,1-Dichloropropene  
Concen: 4.802 ug/l  
RT: 5.562 min Scan# 713  
Delta R.T. -0.134 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

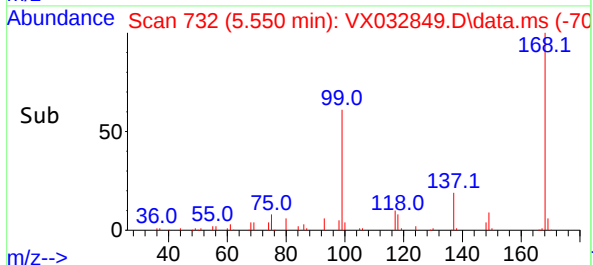
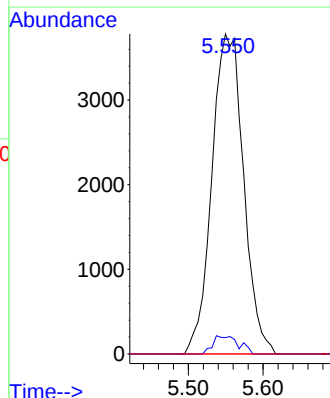
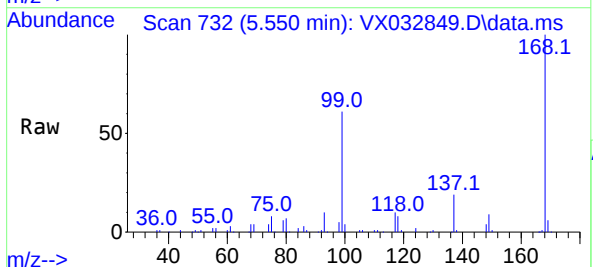
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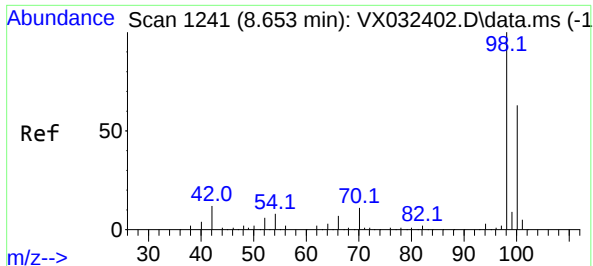
Tgt Ion: 75 Resp: 8733  
Ion Ratio Lower Upper  
75 100  
110 10.7 18.4 55.2#  
77 0.0 24.5 36.7#



#38  
Carbon Tetrachloride  
Concen: 5.531 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.134 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

Tgt Ion: 117 Resp: 11157  
Ion Ratio Lower Upper  
117 100  
119 5.1 77.2 115.8#  
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.833 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032849.D

Acq: 16 Nov 2022 06:34

Instrument :

MSVOA\_X

ClientSampleId :

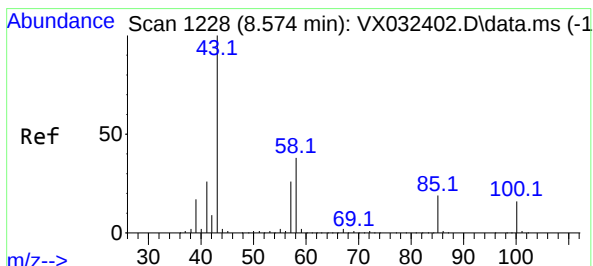
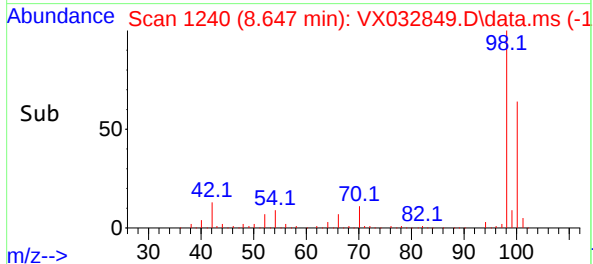
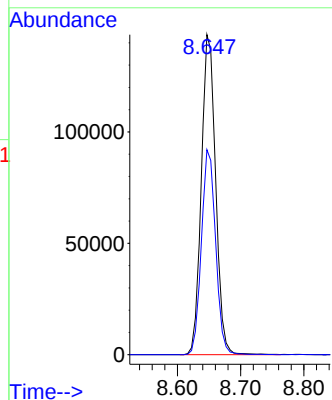
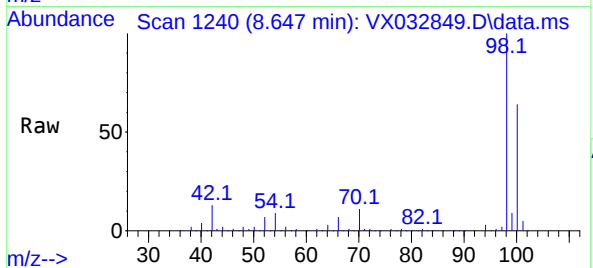
MW-122

Tgt Ion: 98 Resp: 226312

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.572 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX032849.D

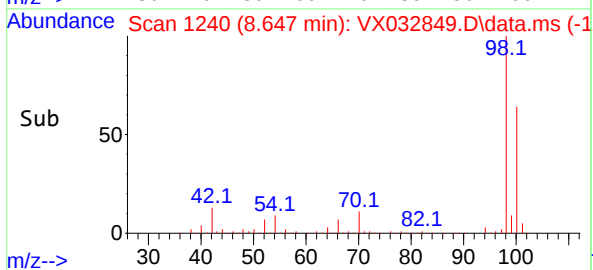
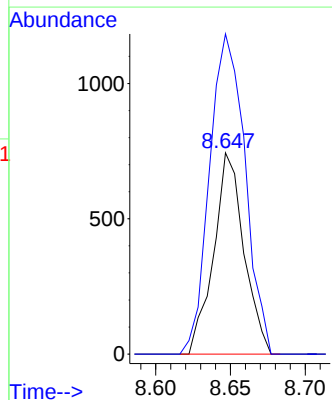
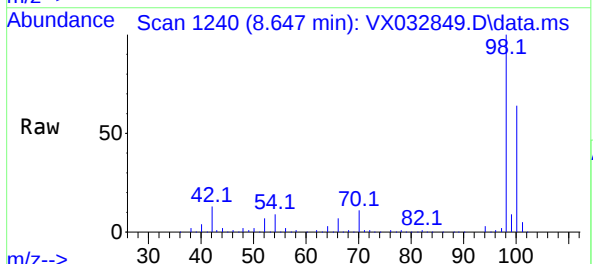
Acq: 16 Nov 2022 06:34

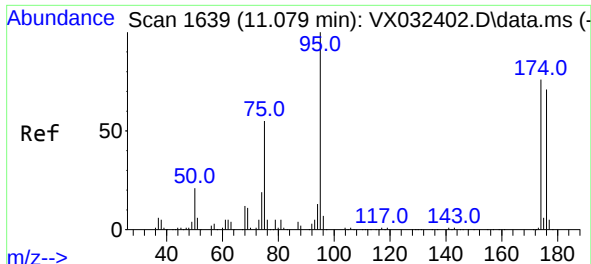
Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

43 100

58 186.2 30.9 46.3#





#62

4-Bromofluorobenzene

Concen: 47.655 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX032849.D

Acq: 16 Nov 2022 06:34

Instrument :

MSVOA\_X

ClientSampleId :

MW-122

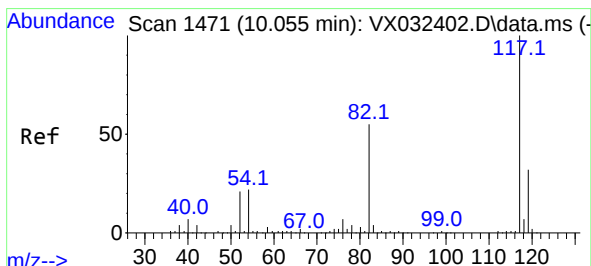
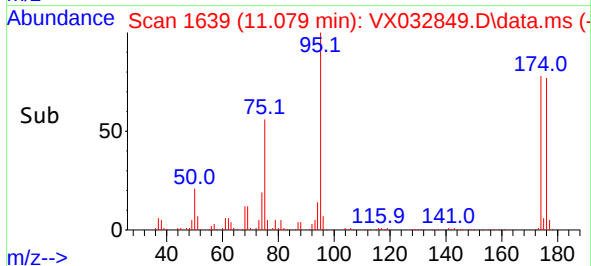
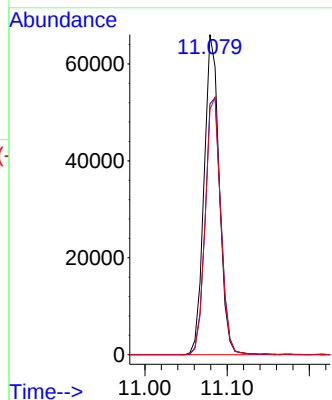
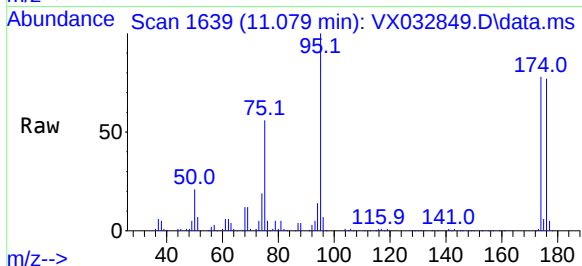
Tgt Ion: 95 Resp: 84539

Ion Ratio Lower Upper

95 100

174 83.0 0.0 164.0

176 82.1 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX032849.D

Acq: 16 Nov 2022 06:34

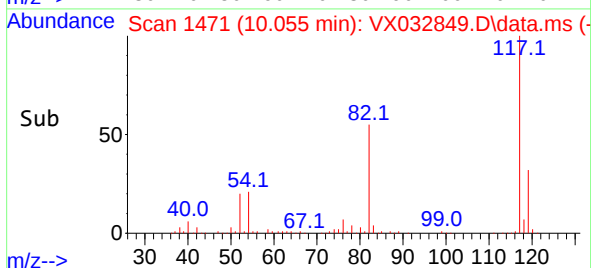
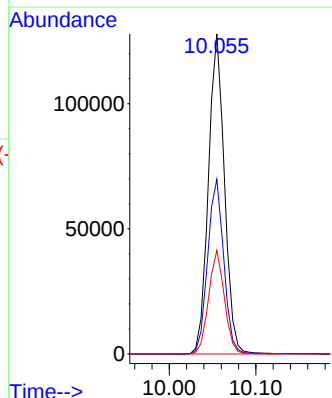
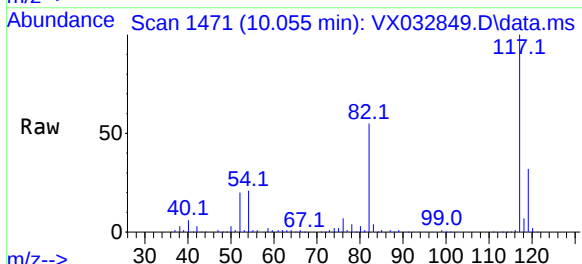
Tgt Ion: 117 Resp: 164359

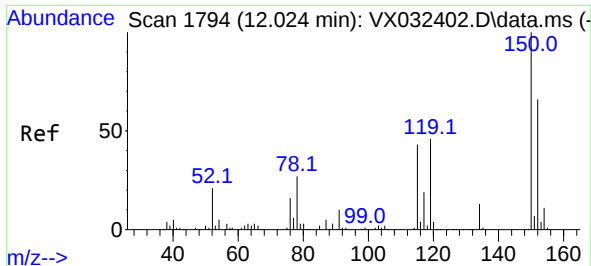
Ion Ratio Lower Upper

117 100

82 54.6 44.3 66.5

119 32.3 25.7 38.5

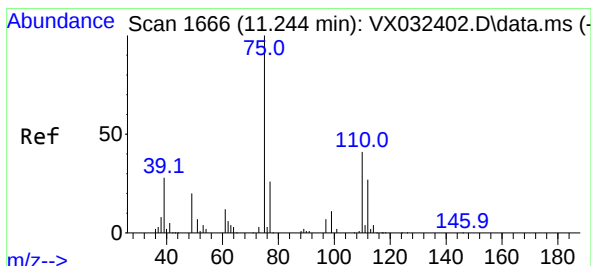
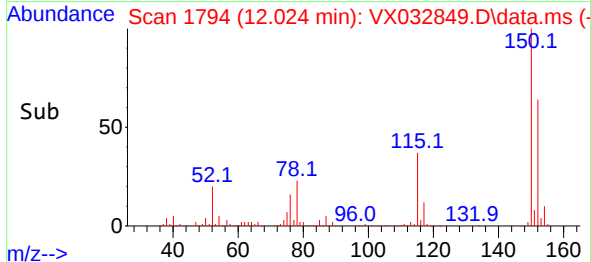
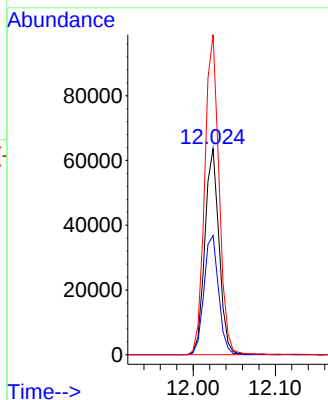
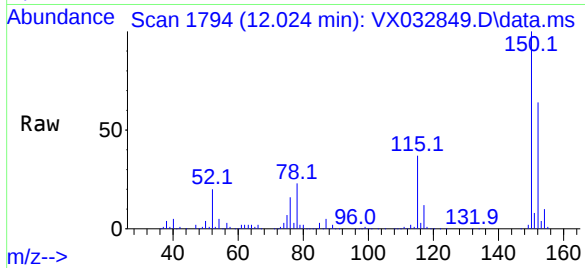




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX032849.D  
 Acq: 16 Nov 2022 06:34

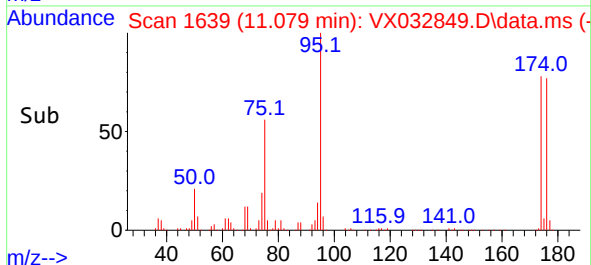
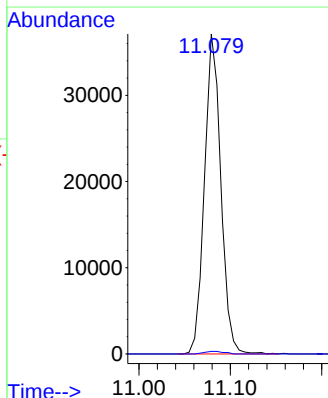
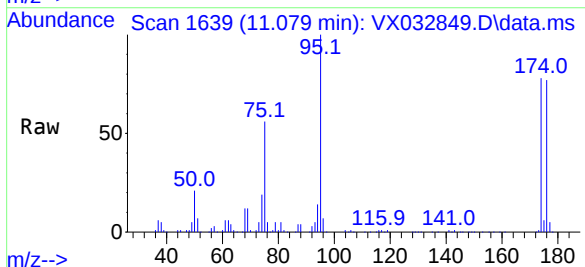
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-122

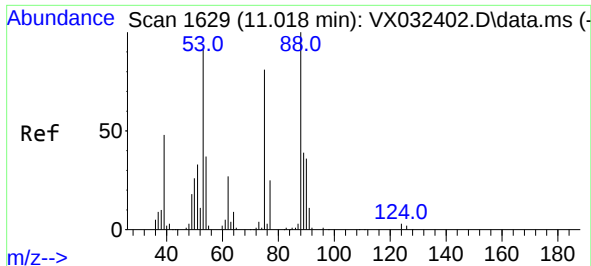
Tgt Ion:152 Resp: 76448  
 Ion Ratio Lower Upper  
 152 100  
 115 59.4 44.0 132.0  
 150 156.6 0.0 351.8



#76  
 1,2,3-Trichloropropane  
 Concen: 27.066 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX032849.D  
 Acq: 16 Nov 2022 06:34

Tgt Ion: 75 Resp: 46034  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 20.0 60.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 86.126 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX032849.D  
Acq: 16 Nov 2022 06:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-122

Tgt Ion: 75 Resp: 46034  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.9 130.3#  
89 0.0 38.3 57.5#

