

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111422\  
 Data File : VX032792.D  
 Acq On : 14 Nov 2022 14:17  
 Operator : JC/MD  
 Sample : N5558-12 100X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP01-20221109

Quant Time: Nov 15 05:08:03 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

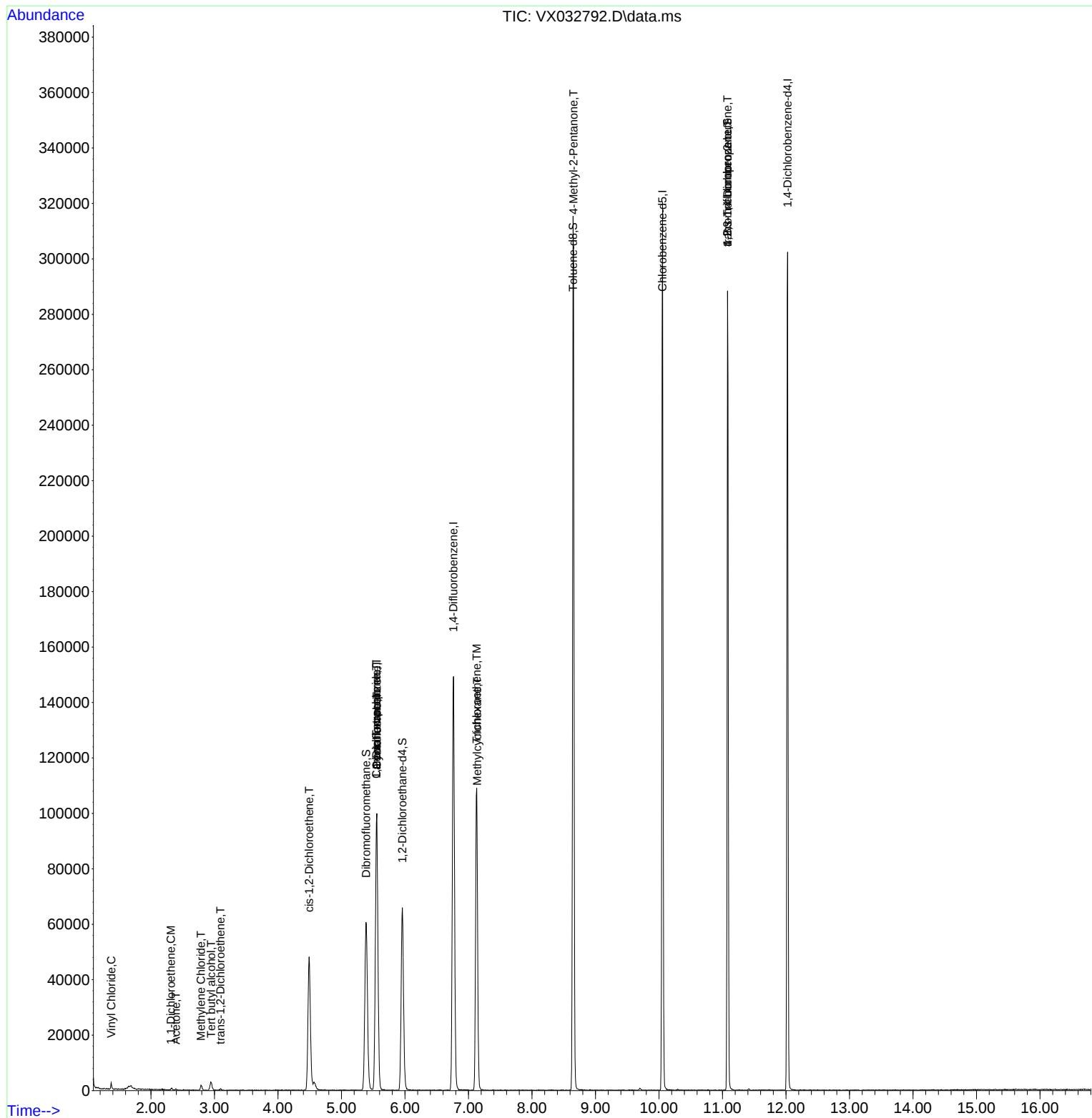
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 93325               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 152560              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 136134              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 63990               | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 65023               | 50.144 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 100.280% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 52294               | 48.054 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 96.100%  |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 187306              | 49.499 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 99.000%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 70108               | 47.431 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 94.860%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 4) Vinyl Chloride             | 1.374          | 62   | 1618                | 1.615  | ug/l   | 98       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 1878                | 9.950  | ug/l # | 72       |
| 12) 1,1-Dichloroethene        | 2.313          | 96   | 209                 | 0.223  | ug/l   | 93       |
| 16) Acetone                   | 2.392          | 43   | 475                 | 1.008  | ug/l # | 87       |
| 20) Methylene Chloride        | 2.788          | 84   | 949                 | 0.878  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene  | 3.093          | 96   | 224                 | 0.220  | ug/l   | 91       |
| 27) cis-1,2-Dichloroethene    | 4.489          | 96   | 30177               | 25.627 | ug/l   | 89       |
| 31) Cyclohexane               | 5.556          | 56   | 2044                | 1.300  | ug/l # | 8        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 7283                | 4.806  | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 9418                | 5.603  | ug/l # | 16       |
| 39) Methylcyclohexane         | 7.135          | 83   | 506                 | 0.282  | ug/l # | 10       |
| 44) Trichloroethene           | 7.129          | 130  | 42439               | 35.155 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 8.653          | 43   | 783                 | 0.513  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 38652               | 27.150 | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 38652               | 86.394 | ug/l # | 6        |
| -----                         |                |      |                     |        |        |          |

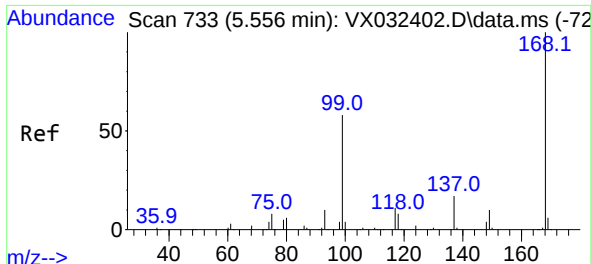
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111422\  
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Instrument :  
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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

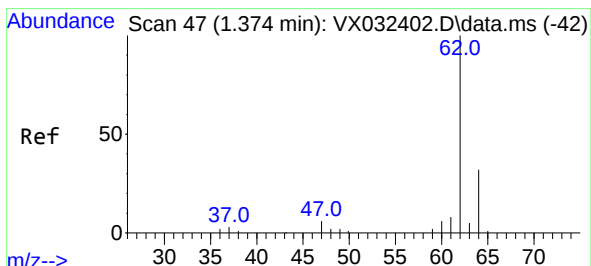
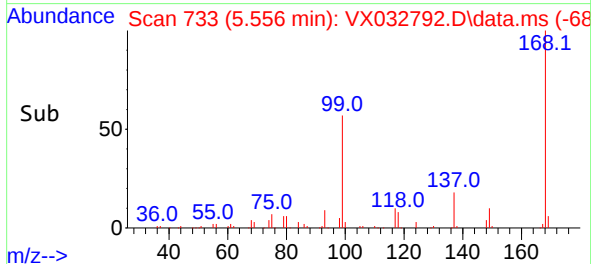
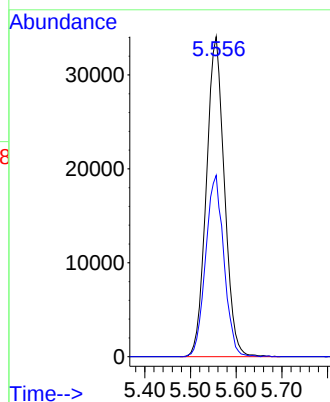
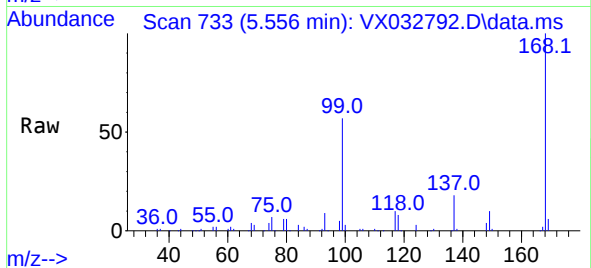




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

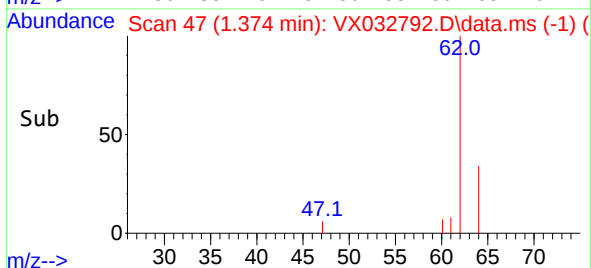
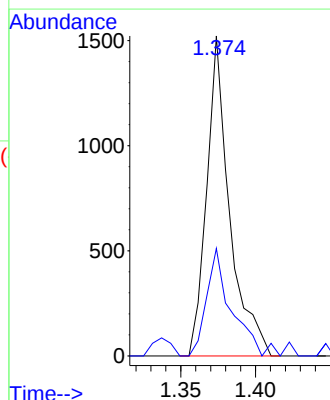
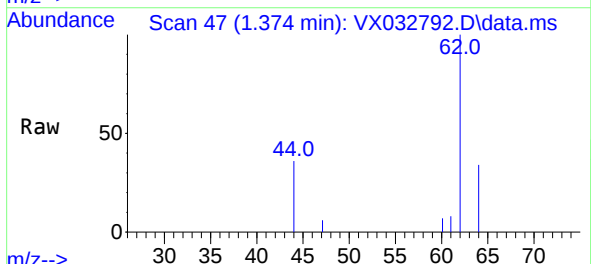
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20221109

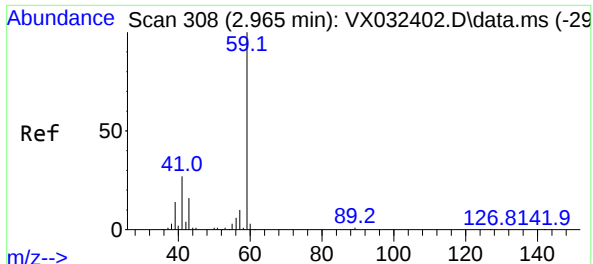
Tgt Ion:168 Resp: 93325  
Ion Ratio Lower Upper  
168 100  
99 56.6 46.1 69.1



#4  
Vinyl Chloride  
Concen: 1.615 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

Tgt Ion: 62 Resp: 1618  
Ion Ratio Lower Upper  
62 100  
64 33.6 25.8 38.6





#11

Tert butyl alcohol

Concen: 9.950 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX032792.D

Acq: 14 Nov 2022 14:17

Instrument :

MSVOA\_X

ClientSampleId :

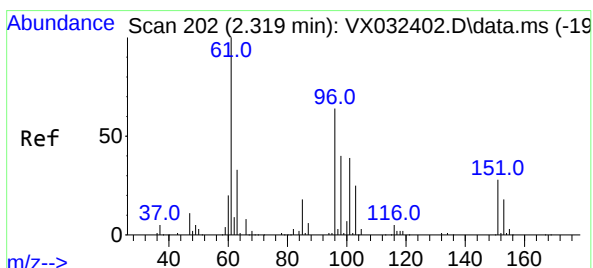
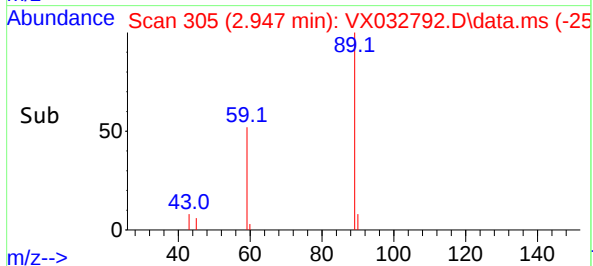
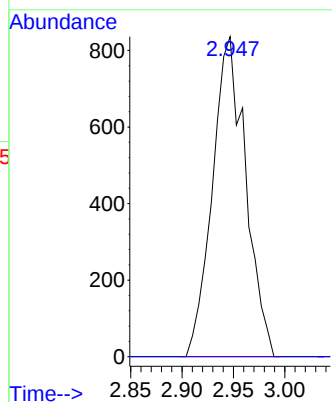
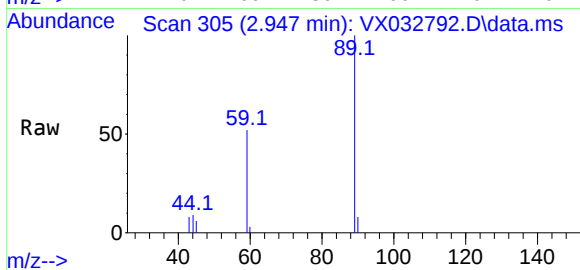
DUP01-20221109

Tgt Ion: 59 Resp: 1878

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 0.223 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX032792.D

Acq: 14 Nov 2022 14:17

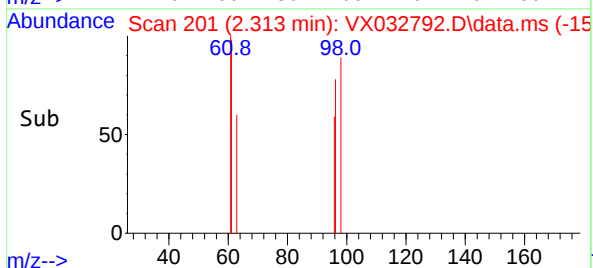
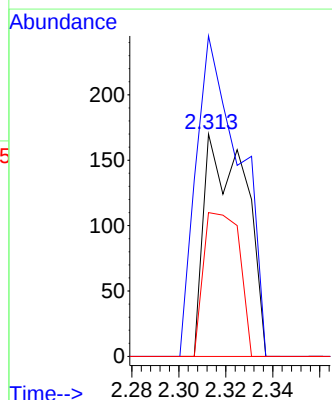
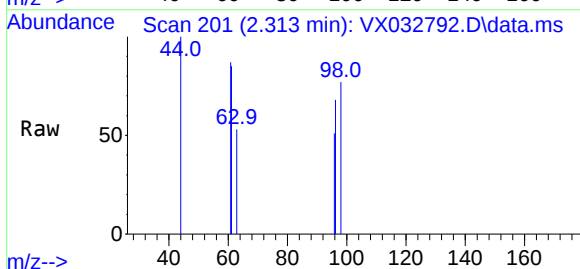
Tgt Ion: 96 Resp: 209

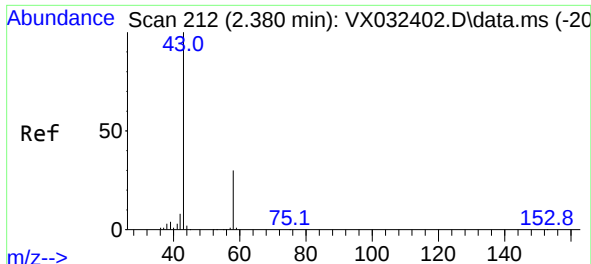
Ion Ratio Lower Upper

96 100

61 144.1 125.1 187.7

98 64.7 50.6 76.0

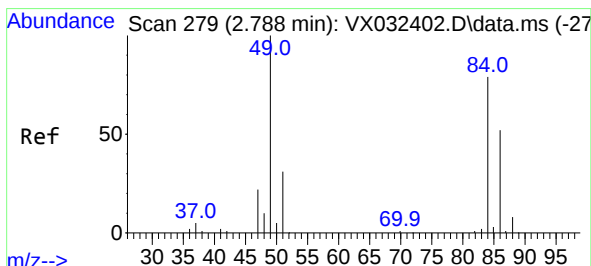
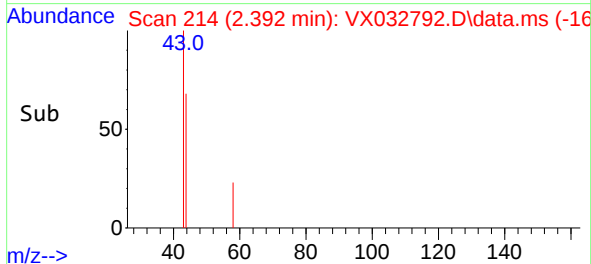
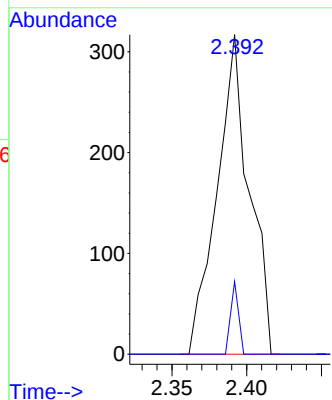
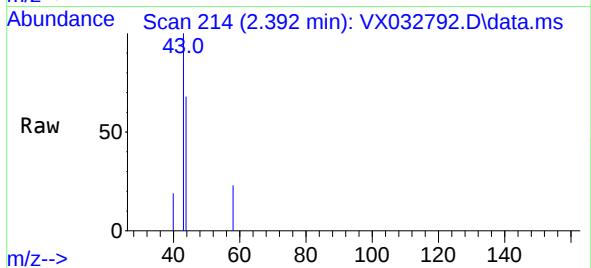




#16  
Acetone  
Concen: 1.008 ug/l  
RT: 2.392 min Scan# 212  
Delta R.T. 0.012 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

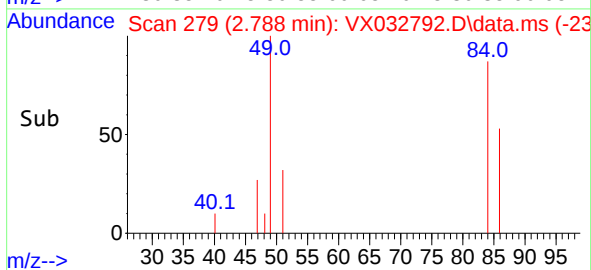
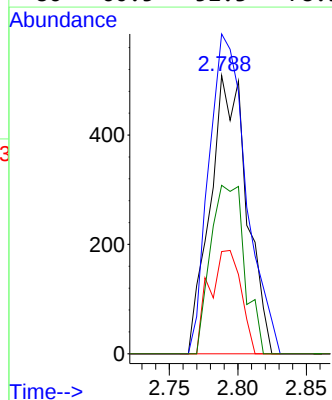
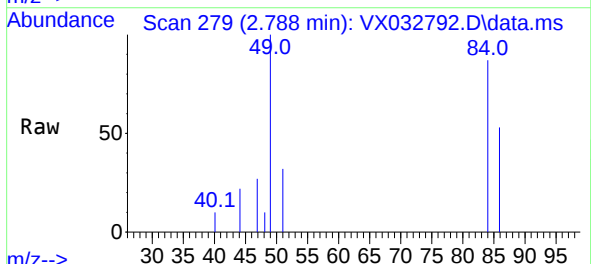
Instrument :  
MSVOA\_X  
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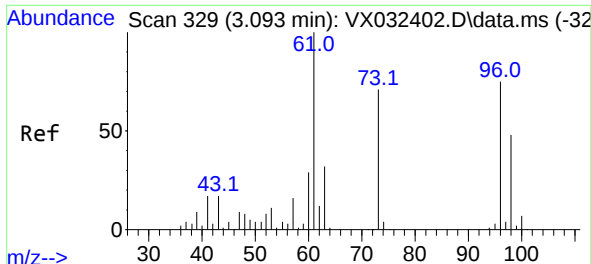
Tgt Ion: 43 Resp: 475  
Ion Ratio Lower Upper  
43 100  
58 22.7 23.8 35.8#



#20  
Methylene Chloride  
Concen: 0.878 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

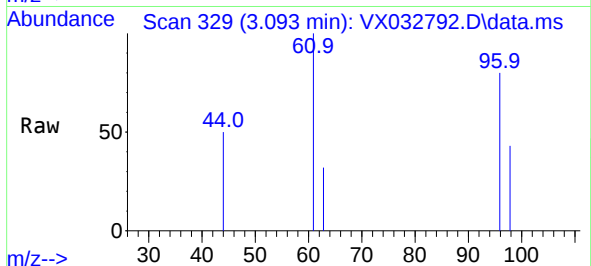
Tgt Ion: 84 Resp: 949  
Ion Ratio Lower Upper  
84 100  
49 114.9 101.0 151.6  
51 36.7 31.1 46.7  
86 60.5 52.3 78.5



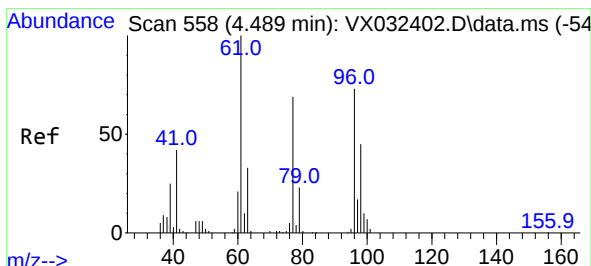
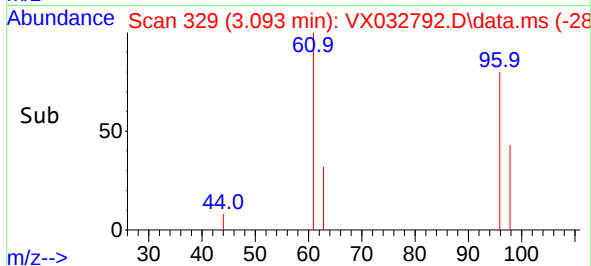
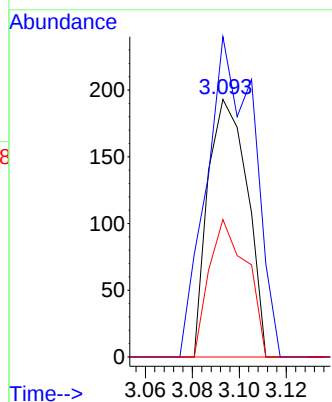


#21  
trans-1,2-Dichloroethene  
Concen: 0.220 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20221109

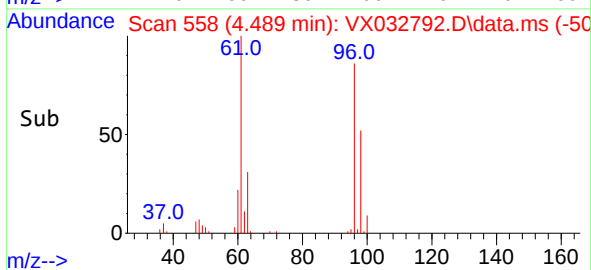
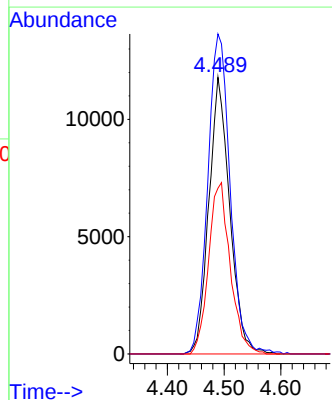
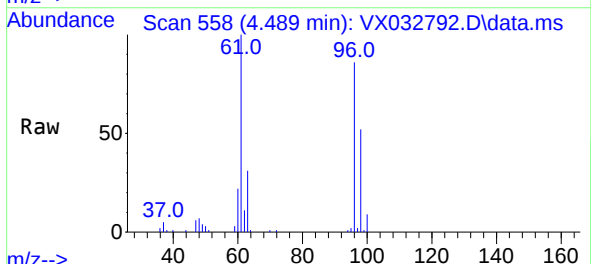


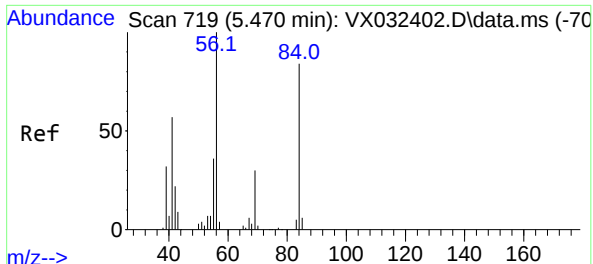
Tgt Ion: 96 Resp: 224  
Ion Ratio Lower Upper  
96 100  
61 124.4 106.6 160.0  
98 53.4 51.0 76.6



#27  
cis-1,2-Dichloroethene  
Concen: 25.627 ug/l  
RT: 4.489 min Scan# 558  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

Tgt Ion: 96 Resp: 30177  
Ion Ratio Lower Upper  
96 100  
61 124.1 0.0 286.0  
98 64.2 0.0 129.6

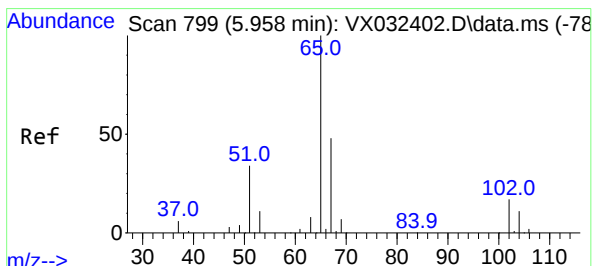
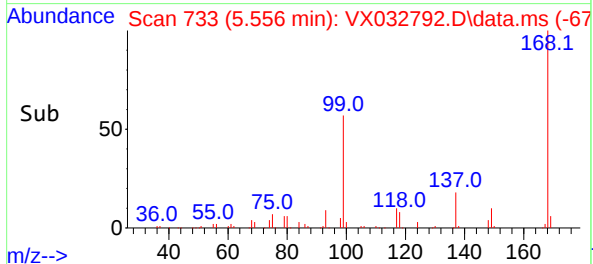
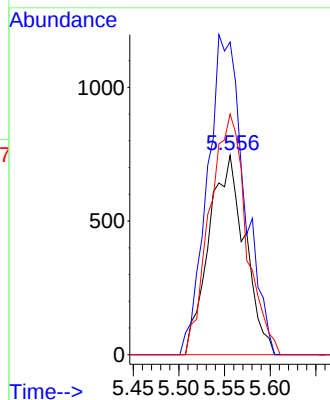
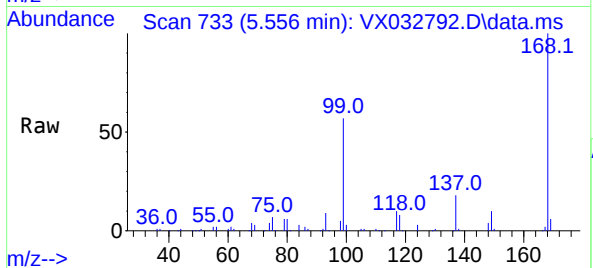




#31  
Cyclohexane  
Concen: 1.300 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

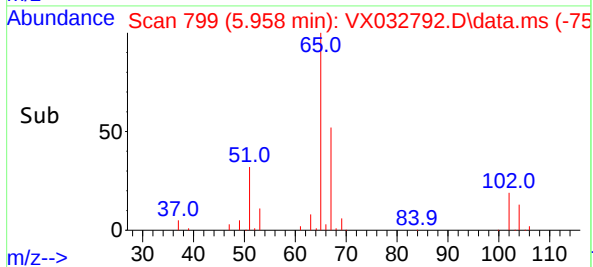
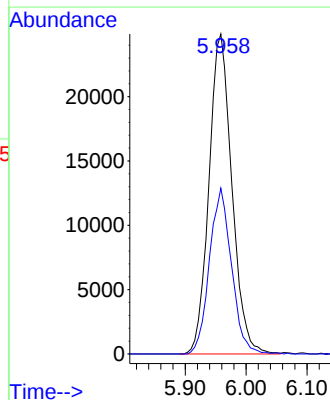
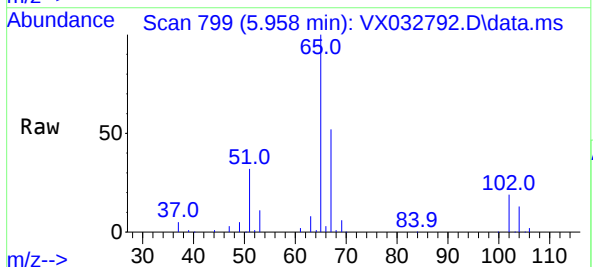
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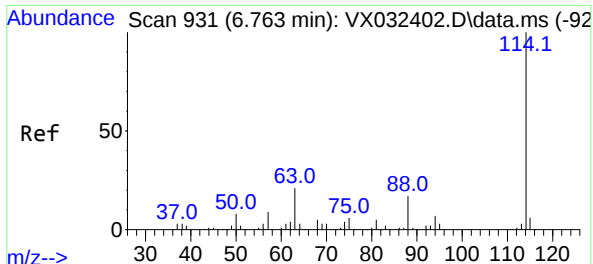
Tgt Ion: 56 Resp: 2044  
Ion Ratio Lower Upper  
56 100  
69 156.7 24.1 36.1#  
84 120.6 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 50.144 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

Tgt Ion: 65 Resp: 65023  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 101.8

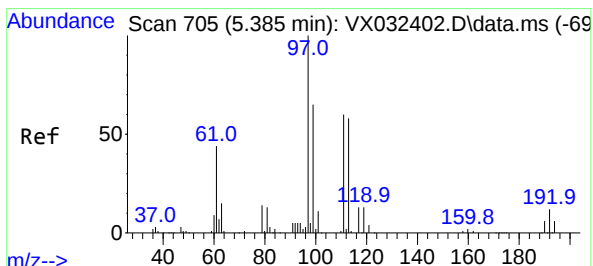
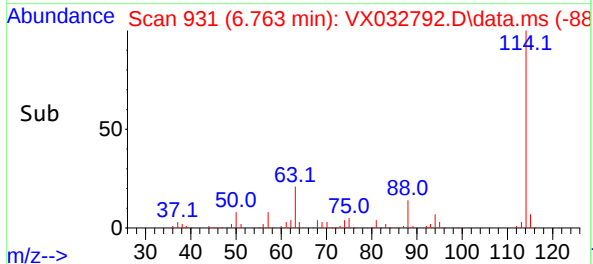
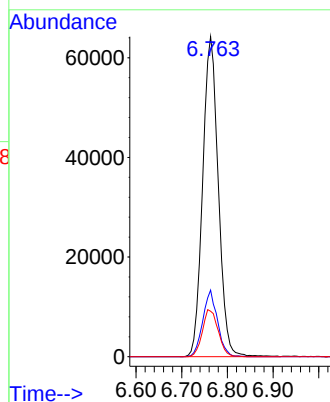
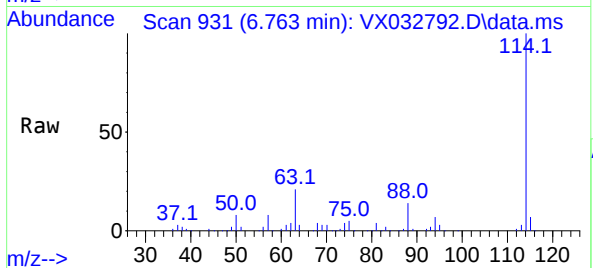




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

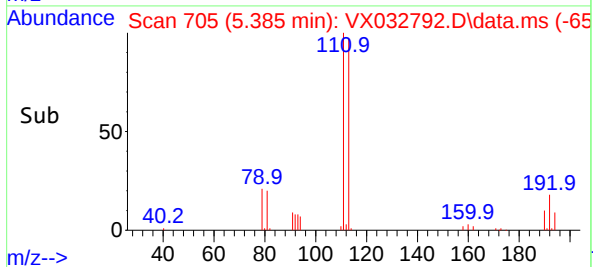
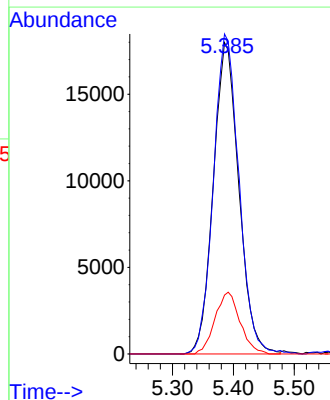
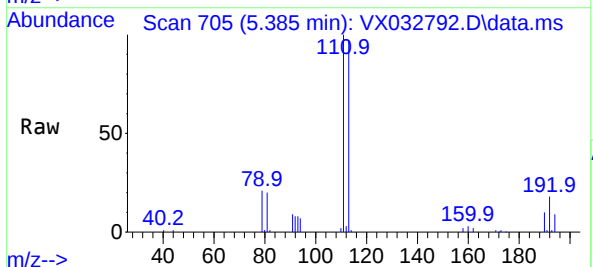
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DUP01-20221109

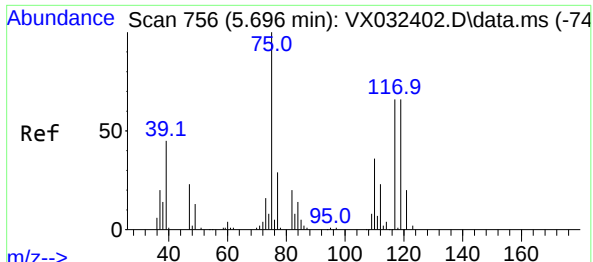
Tgt Ion:114 Resp: 152560  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 41.6  
88 14.2 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 48.054 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

Tgt Ion:113 Resp: 52294  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.4 123.6  
192 19.5 15.4 23.2

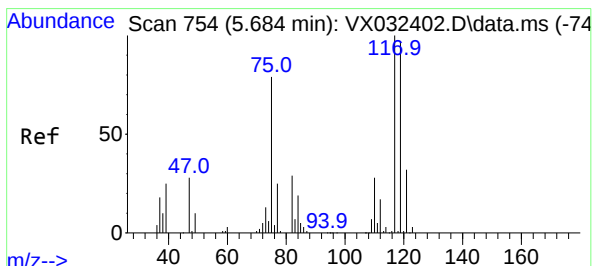
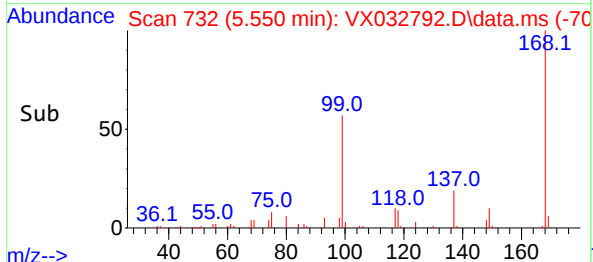
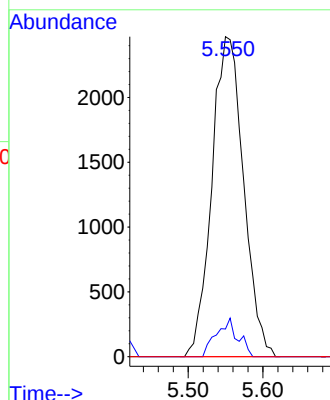
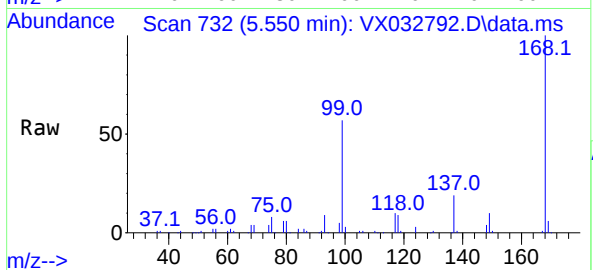




#36  
1,1-Dichloropropene  
Concen: 4.806 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.146 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

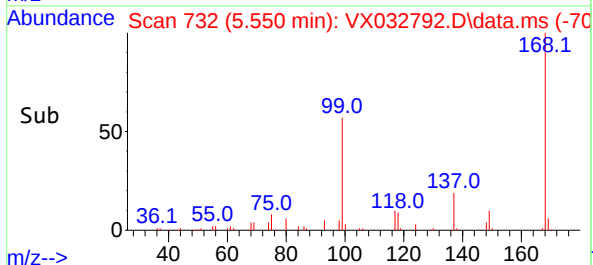
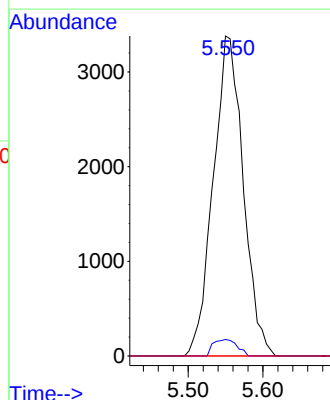
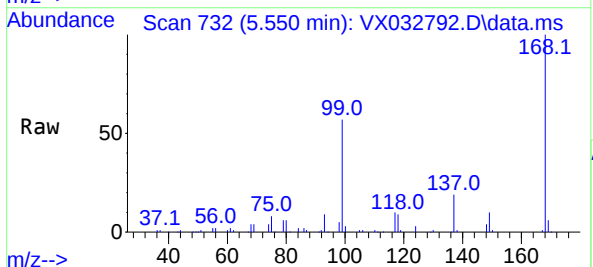
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MSVOA\_X  
ClientSampleId :  
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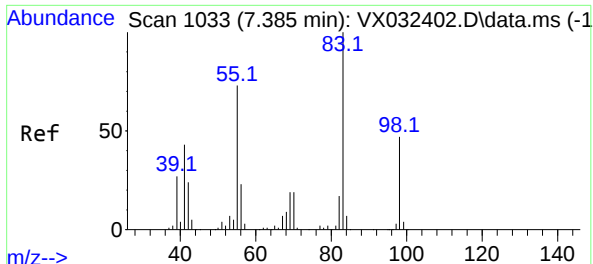
Tgt Ion: 75 Resp: 7283  
Ion Ratio Lower Upper  
75 100  
110 8.1 18.4 55.2#  
77 0.0 24.5 36.7#



#38  
Carbon Tetrachloride  
Concen: 5.603 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.134 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

Tgt Ion: 117 Resp: 9418  
Ion Ratio Lower Upper  
117 100  
119 5.1 77.2 115.8#  
121 0.0 25.8 38.6#

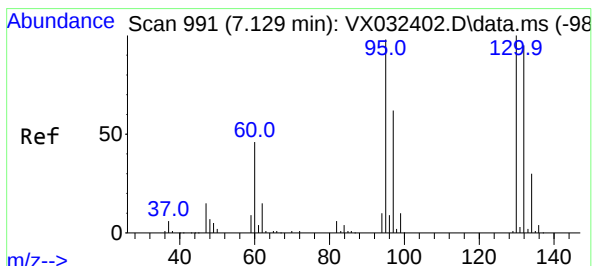
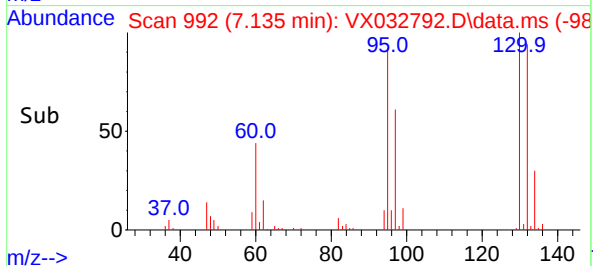
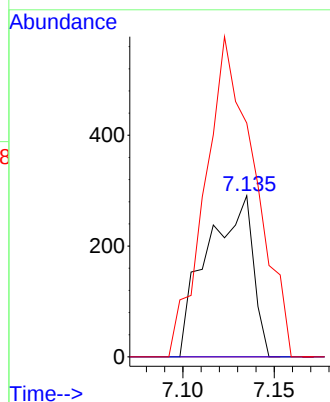
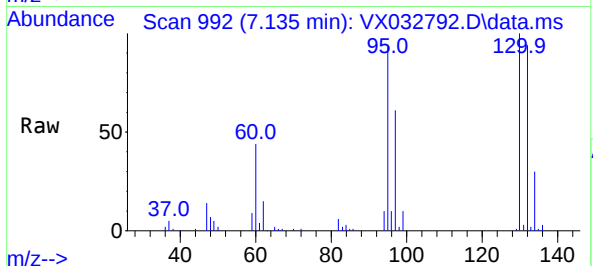




#39  
Methylcyclohexane  
Concen: 0.282 ug/l  
RT: 7.135 min Scan# 991  
Delta R.T. -0.250 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

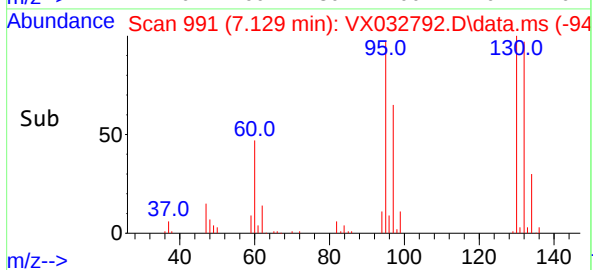
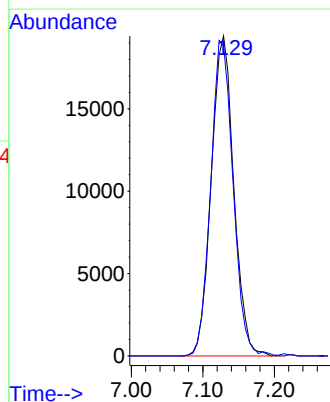
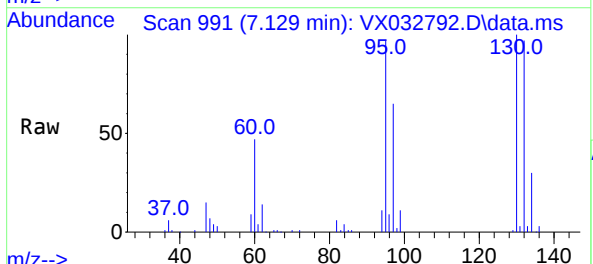
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MSVOA\_X  
ClientSampleId :  
DUP01-20221109

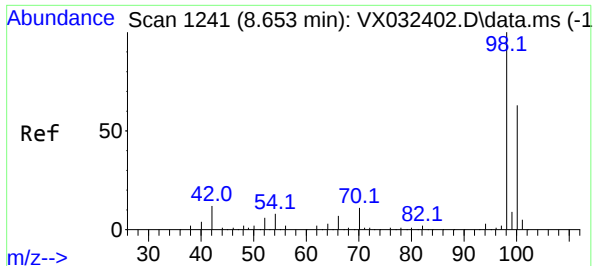
Tgt Ion: 83 Resp: 506  
Ion Ratio Lower Upper  
83 100  
55 0.0 58.4 87.6#  
98 109.6 37.2 55.8#



#44  
Trichloroethene  
Concen: 35.155 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

Tgt Ion:130 Resp: 42439  
Ion Ratio Lower Upper  
130 100  
95 97.2 0.0 195.2

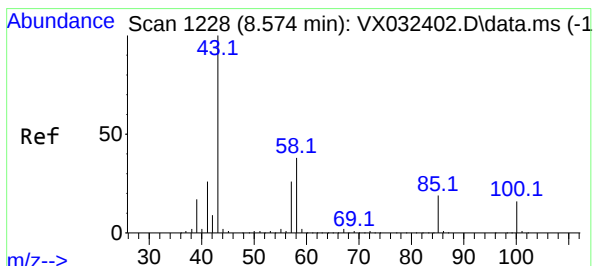
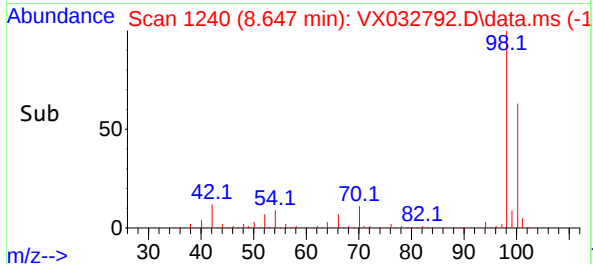
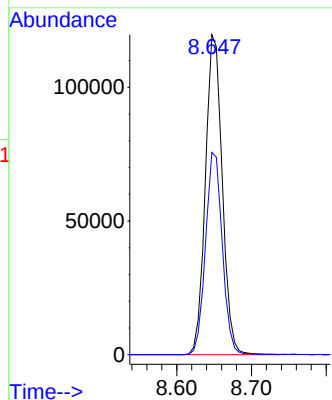
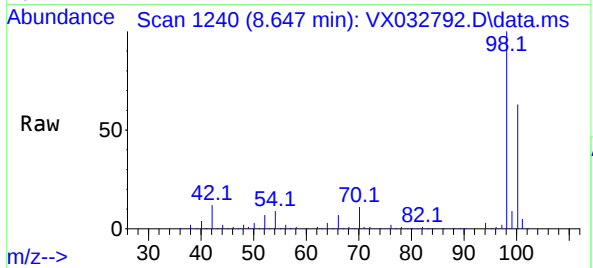




#50  
Toluene-d8  
Concen: 49.499 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

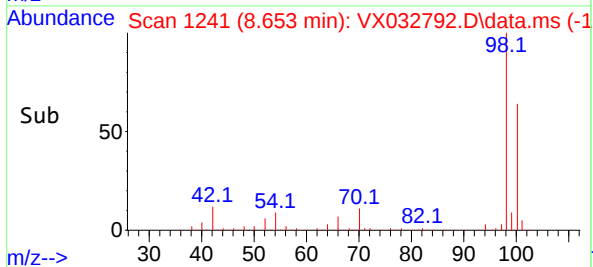
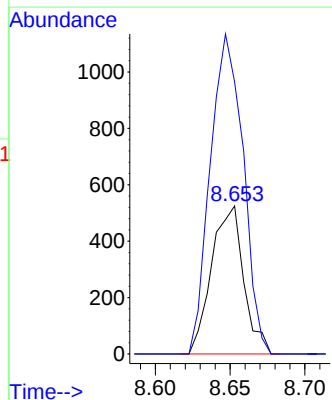
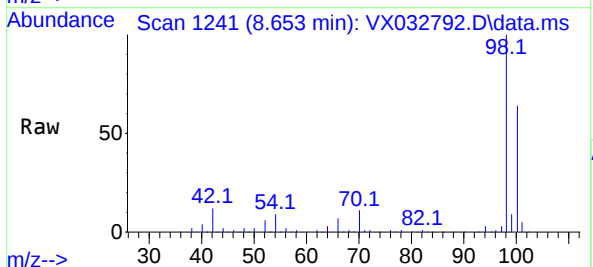
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20221109

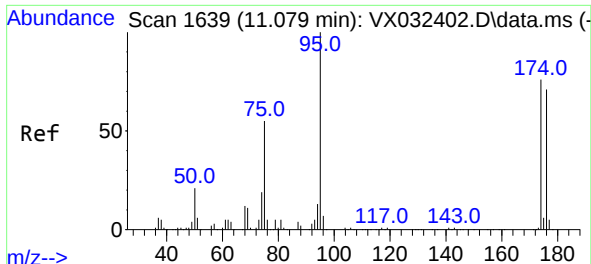
Tgt Ion: 98 Resp: 187306  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.9 76.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.513 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.079 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

Tgt Ion: 43 Resp: 783  
Ion Ratio Lower Upper  
43 100  
58 221.6 30.9 46.3#

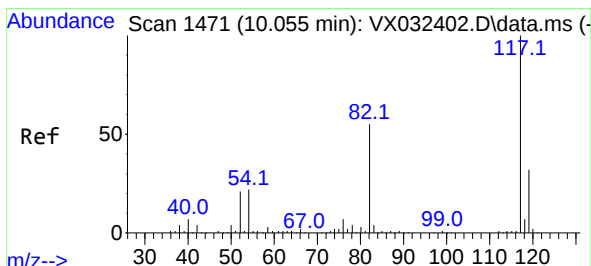
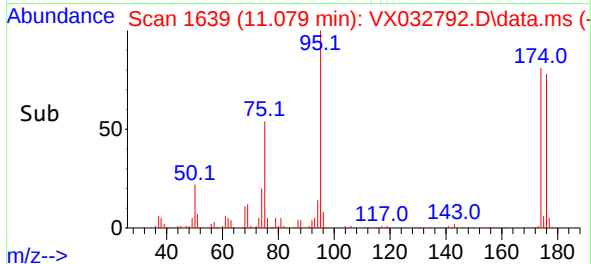
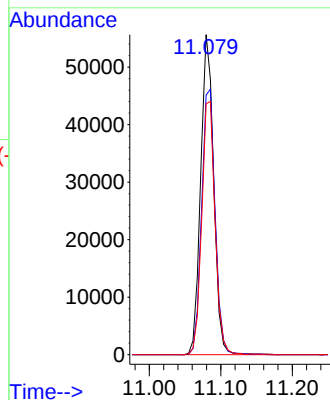
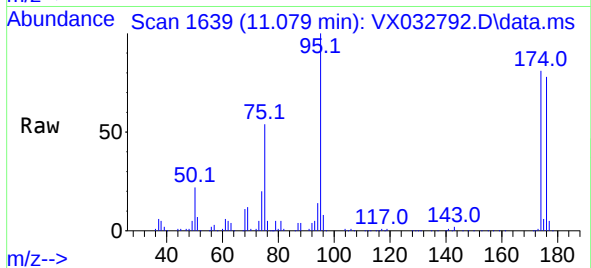




#62  
4-Bromofluorobenzene  
Concen: 47.431 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

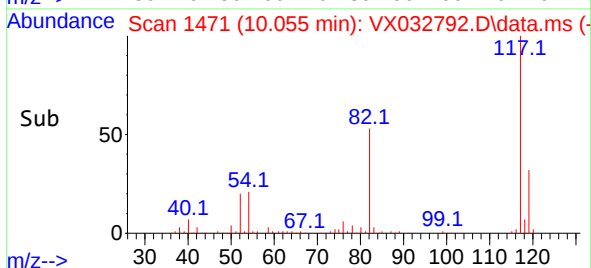
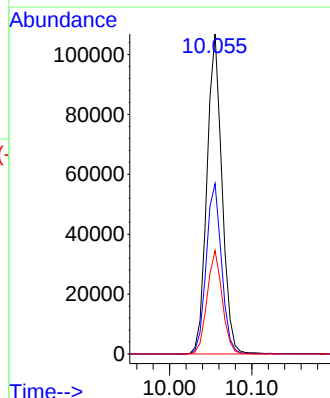
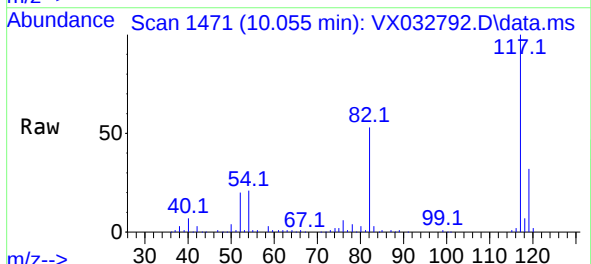
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20221109

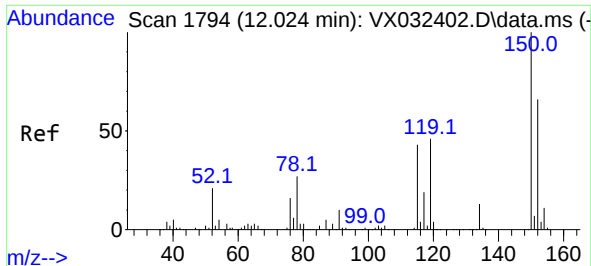
Tgt Ion: 95 Resp: 70108  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 164.0  
176 81.7 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

Tgt Ion: 117 Resp: 136134  
Ion Ratio Lower Upper  
117 100  
82 53.2 44.3 66.5  
119 32.3 25.7 38.5

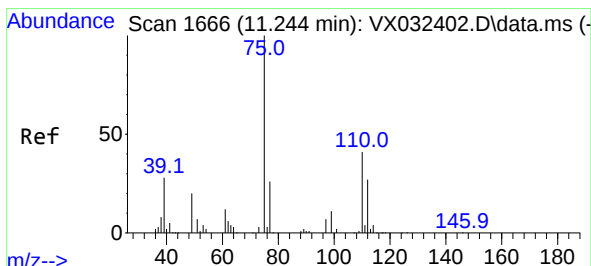
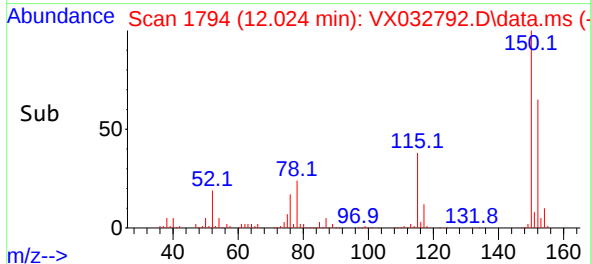
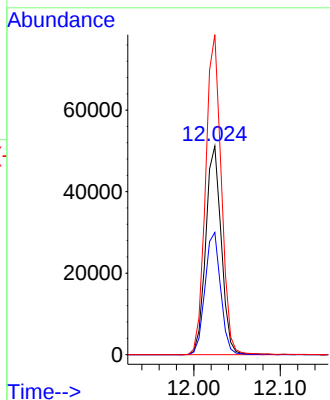
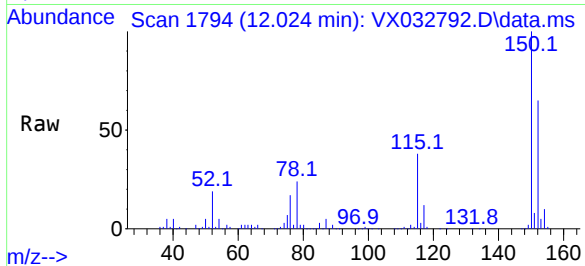




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

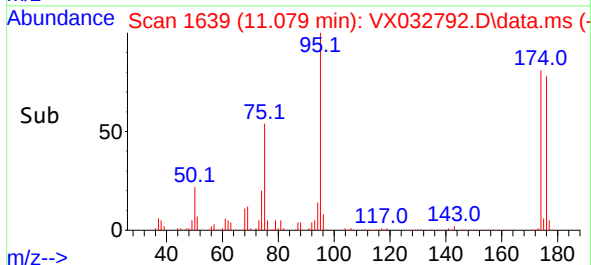
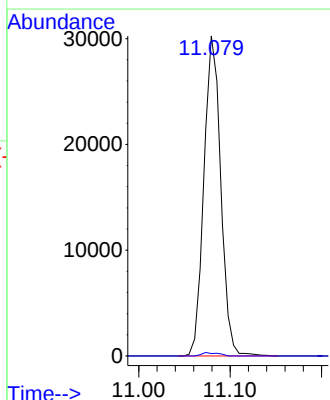
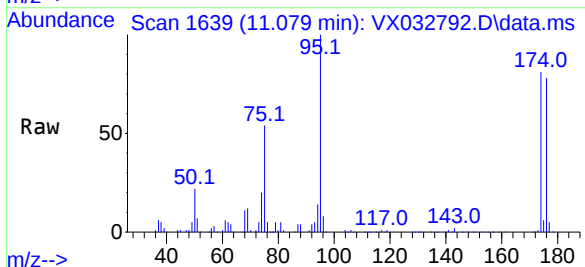
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20221109

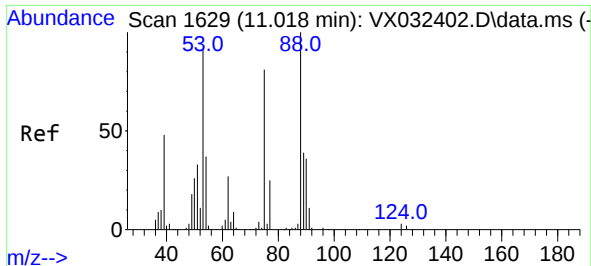
Tgt Ion:152 Resp: 63990  
Ion Ratio Lower Upper  
152 100  
115 58.8 44.0 132.0  
150 154.4 0.0 351.8



#76  
1,2,3-Trichloropropane  
Concen: 27.150 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.164 min  
Lab File: VX032792.D  
Acq: 14 Nov 2022 14:17

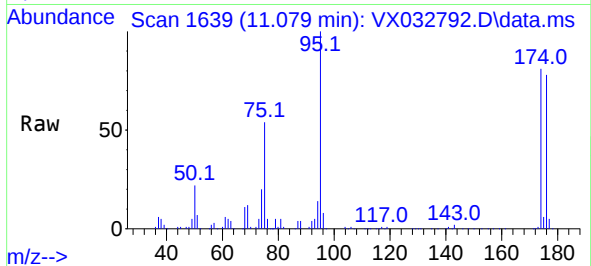
Tgt Ion: 75 Resp: 38652  
Ion Ratio Lower Upper  
75 100  
77 1.1 20.0 60.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 86.394 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX032792.D  
 Acq: 14 Nov 2022 14:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP01-20221109



Tgt Ion: 75 Resp: 38652  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 86.9 130.3#  
 89 0.0 38.3 57.5#

