

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102122\  
 Data File : VX032314.D  
 Acq On : 22 Oct 2022 02:29  
 Operator : JC/MD  
 Sample : N5248-13  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-12R-20221018

Quant Time: Oct 22 06:04:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101922W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 22 04:56:40 2022  
 Response via : Initial Calibration

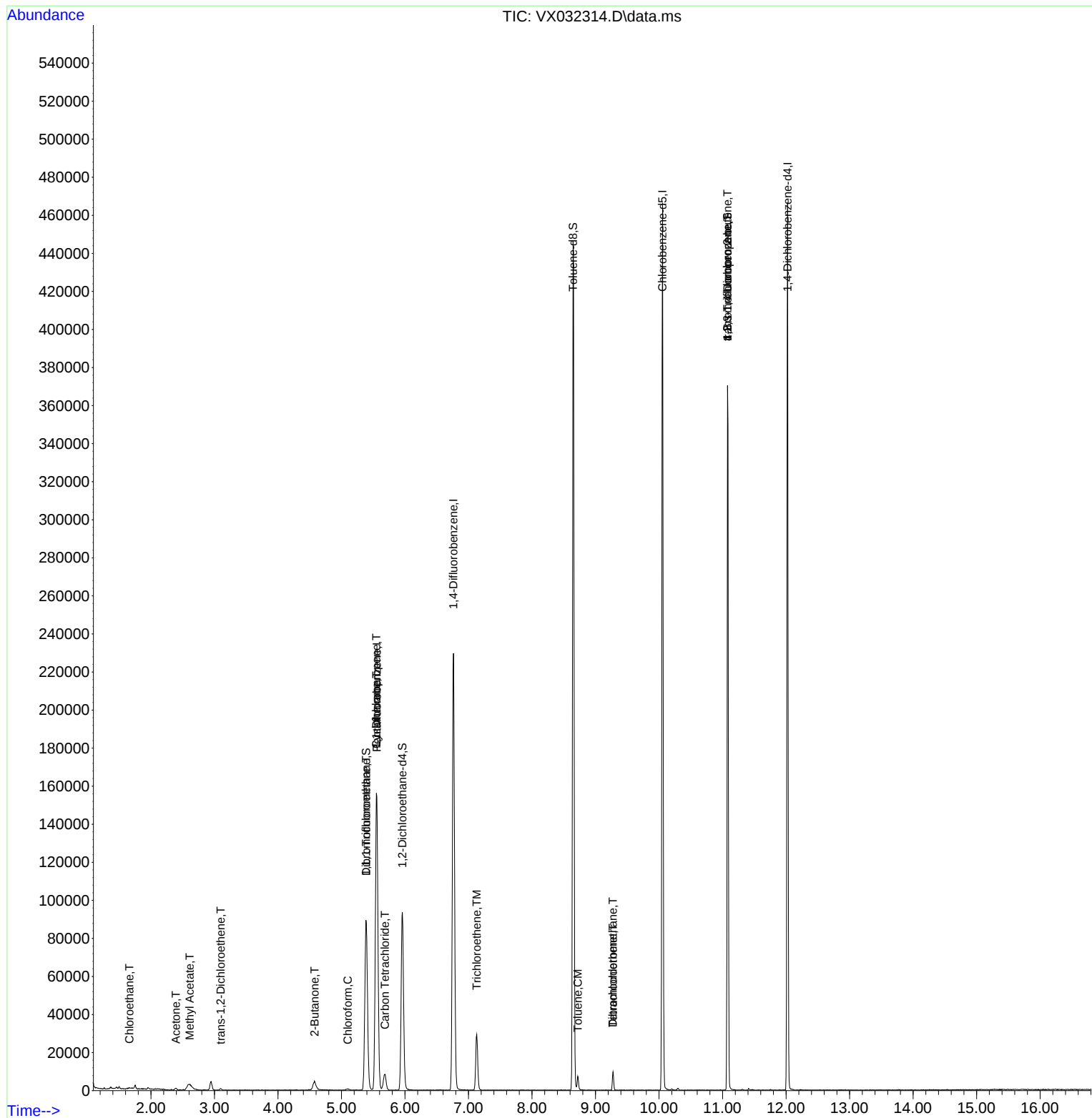
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 146884     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 230307     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 200010     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 89195      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 92048      | 48.172    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 96.340%   |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 72409      | 45.181    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 90.360%   |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 268107     | 46.474    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 92.940%   |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 93711      | 44.360    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 88.720%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 6) Chloroethane               | 1.660          | 64   | 161        | 2.059     | ug/l # | 41       |
| 11) Tert butyl alcohol        | 2.946          | 59   | 2767       | Below Cal | #      | 74       |
| 16) Acetone                   | 2.392          | 43   | 1450       | 2.338     | ug/l   | 93       |
| 18) Methyl Acetate            | 2.611          | 43   | 3053       | 1.450     | ug/l # | 50       |
| 21) trans-1,2-Dichloroethene  | 3.099          | 96   | 372        | 0.261     | ug/l # | 70       |
| 25) 2-Butanone                | 4.574          | 43   | 293        | 0.303     | ug/l # | 48       |
| 30) Chloroform                | 5.098          | 83   | 905        | 0.319     | ug/l # | 63       |
| 31) Cyclohexane               | 5.550          | 56   | 3256       | 1.491     | ug/l # | 47       |
| 32) 1,1,1-Trichloroethane     | 5.385          | 97   | 5177       | 2.141     | ug/l   | 95       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 11544      | 5.600     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.684          | 117  | 7783       | 3.576     | ug/l   | 97       |
| 44) Trichloroethene           | 7.129          | 130  | 11239      | 6.831     | ug/l   | 98       |
| 52) Toluene                   | 8.720          | 92   | 2663       | 0.688     | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.275          | 129  | 1771       | 1.099     | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.275          | 164  | 1718       | 1.301     | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 50598      | 28.630    | ug/l # | 44       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 50598      | 87.739    | ug/l # | 6        |

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

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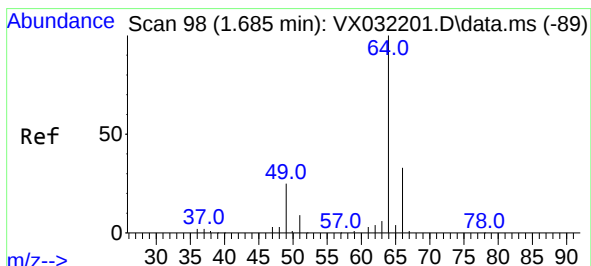
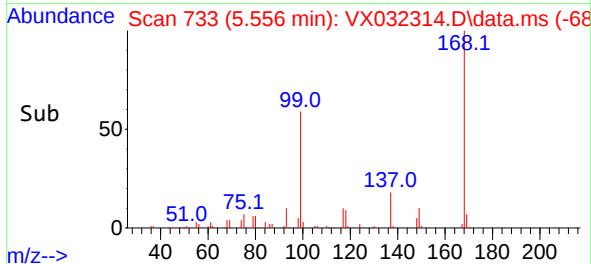
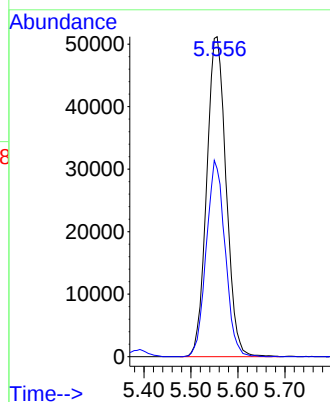
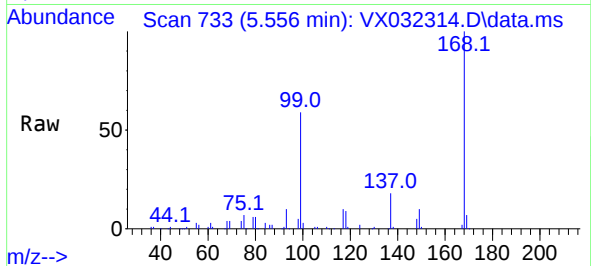




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

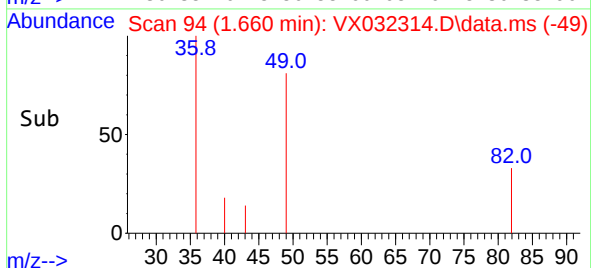
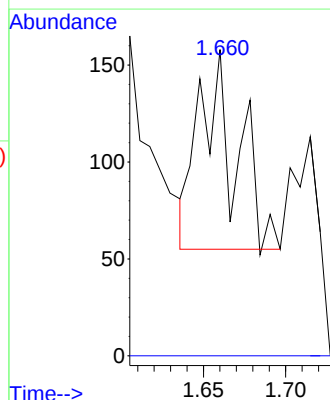
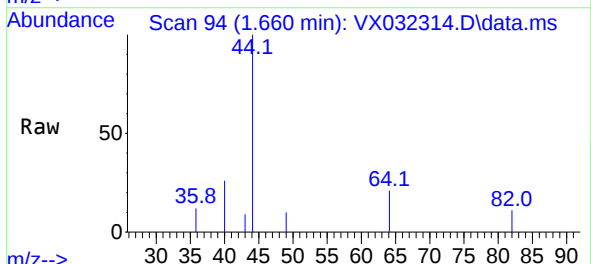
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-12R-20221018

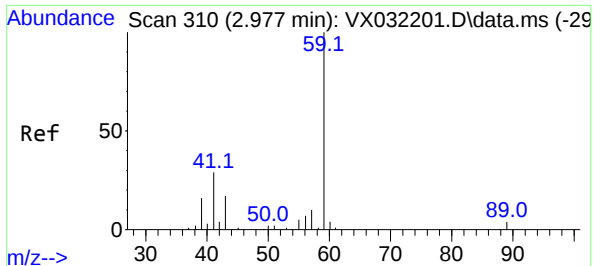
Tgt Ion:168 Resp: 146884  
Ion Ratio Lower Upper  
168 100  
99 58.7 44.8 67.2



#6  
Chloroethane  
Concen: 2.059 ug/l  
RT: 1.660 min Scan# 94  
Delta R.T. -0.025 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

Tgt Ion: 64 Resp: 161  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.6 39.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.031 min

Lab File: VX032314.D

Acq: 22 Oct 2022 02:29

Instrument :

MSVOA\_X

ClientSampleId :

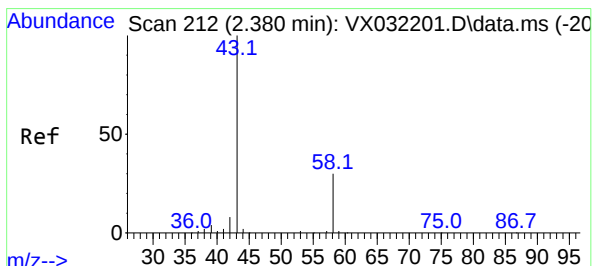
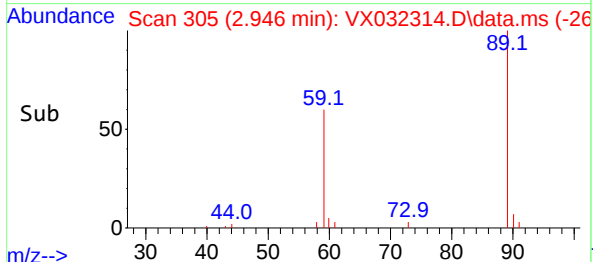
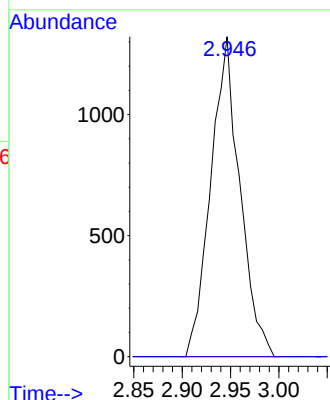
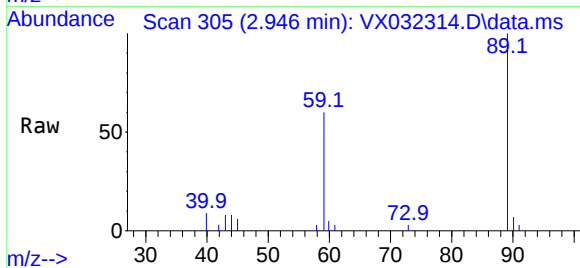
FSND-MW-12R-20221018

Tgt Ion: 59 Resp: 2767

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



#16

Acetone

Concen: 2.338 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX032314.D

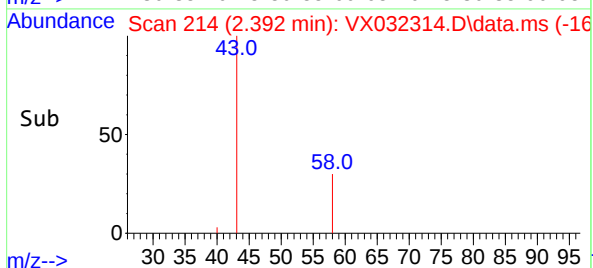
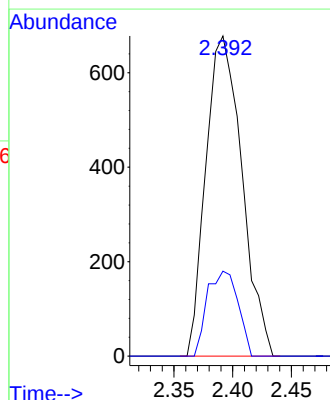
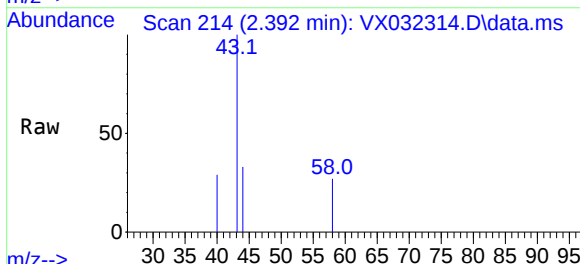
Acq: 22 Oct 2022 02:29

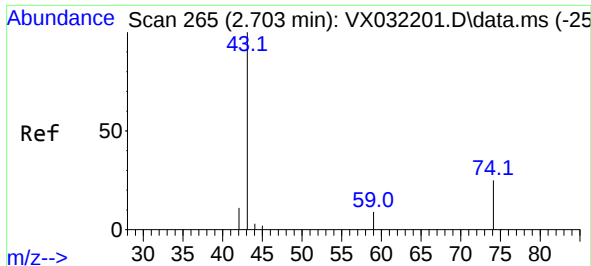
Tgt Ion: 43 Resp: 1450

Ion Ratio Lower Upper

43 100

58 26.5 24.2 36.2

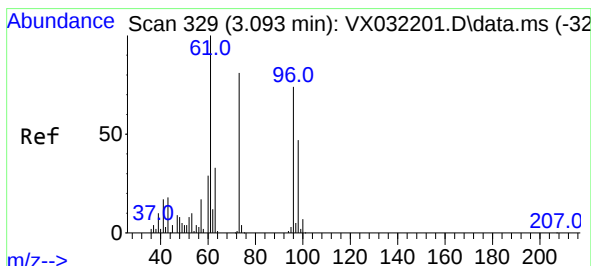
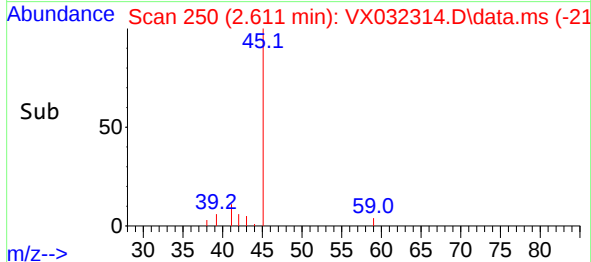
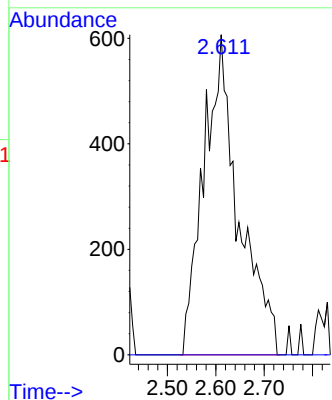
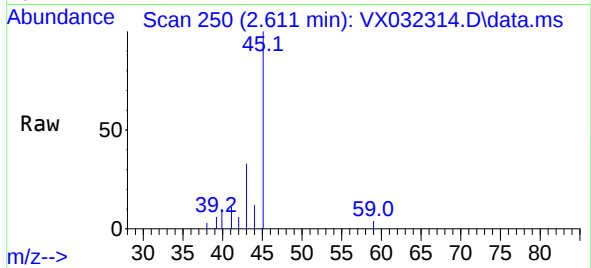




#18  
Methyl Acetate  
Concen: 1.450 ug/l  
RT: 2.611 min Scan# 21  
Delta R.T. -0.092 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

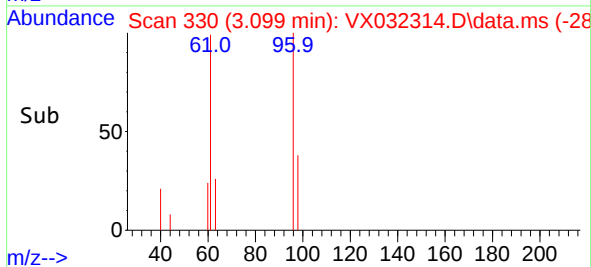
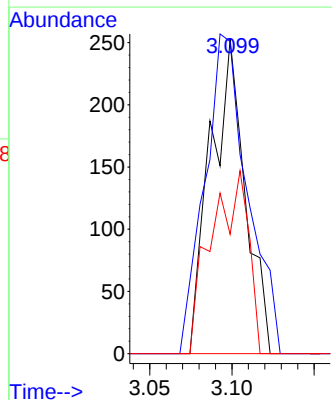
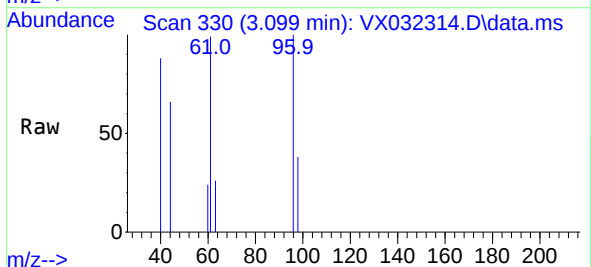
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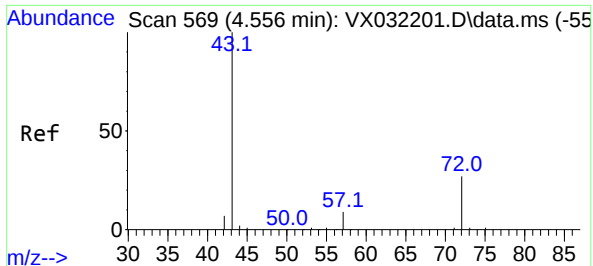
Tgt Ion: 43 Resp: 3053  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.8 29.8#



#21  
trans-1,2-Dichloroethene  
Concen: 0.261 ug/l  
RT: 3.099 min Scan# 330  
Delta R.T. 0.006 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

Tgt Ion: 96 Resp: 372  
Ion Ratio Lower Upper  
96 100  
61 99.2 107.7 161.5#  
98 37.9 50.2 75.4#

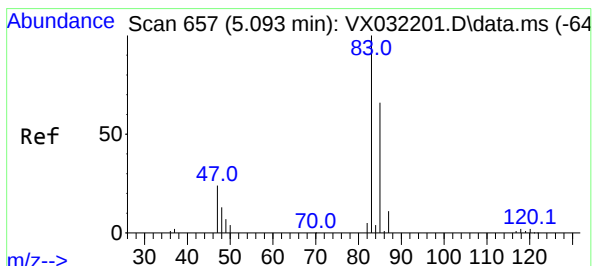
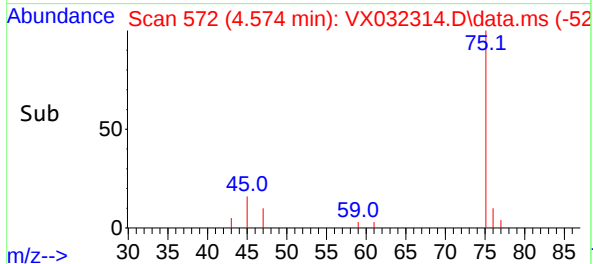
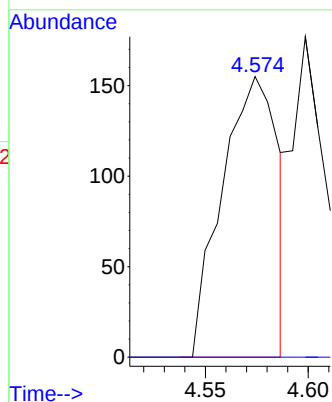
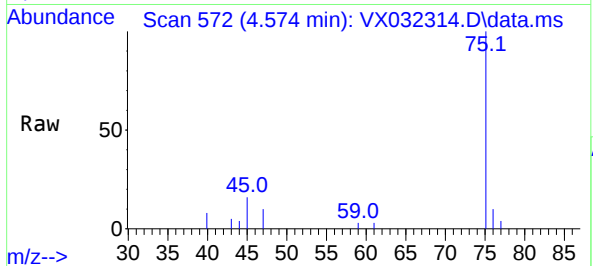




#25  
2-Butanone  
Concen: 0.303 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

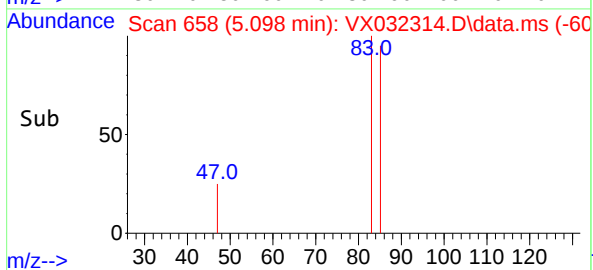
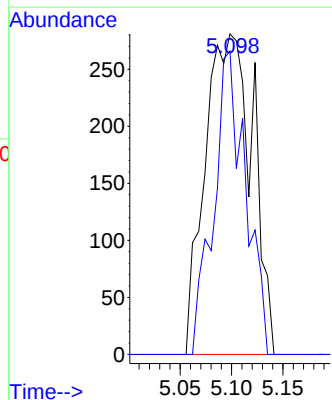
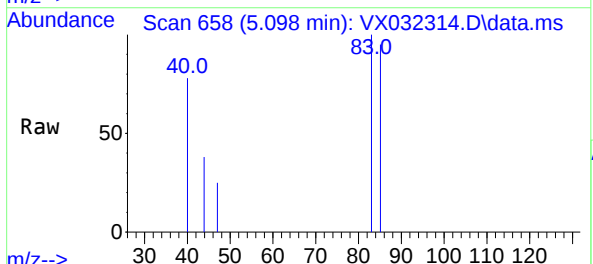
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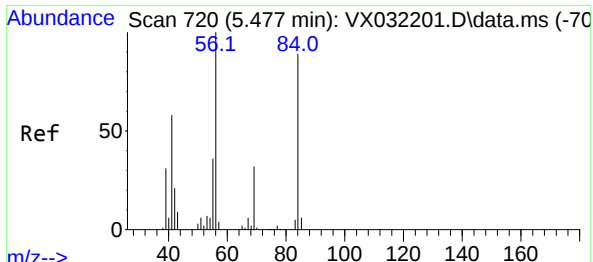
Tgt Ion: 43 Resp: 293  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.7 32.5#



#30  
Chloroform  
Concen: 0.319 ug/l  
RT: 5.098 min Scan# 658  
Delta R.T. 0.005 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

Tgt Ion: 83 Resp: 905  
Ion Ratio Lower Upper  
83 100  
85 94.7 52.5 78.7#

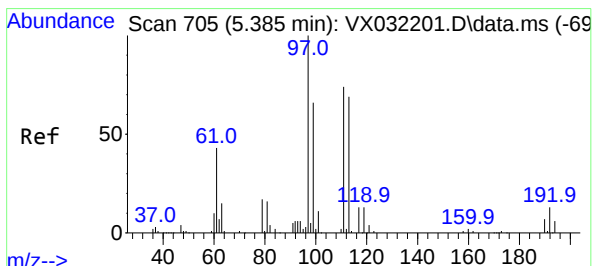
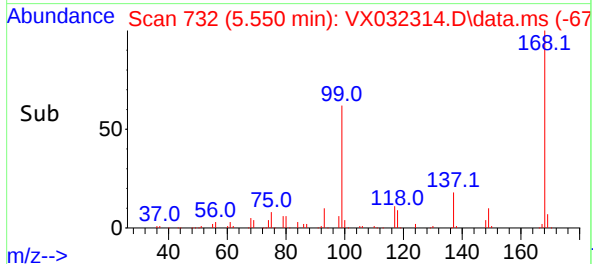
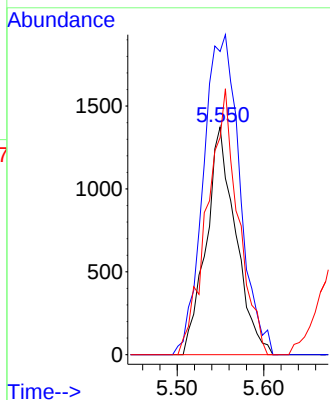
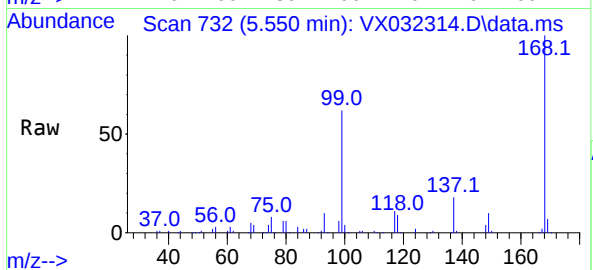




#31  
Cyclohexane  
Concen: 1.491 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.073 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

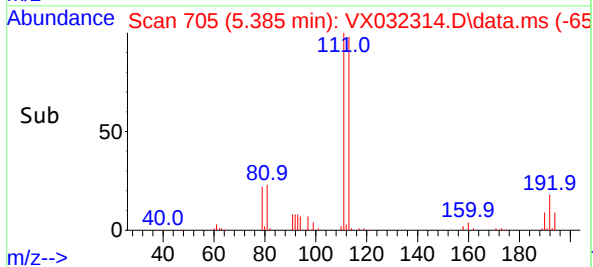
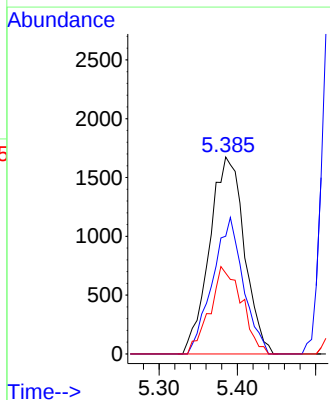
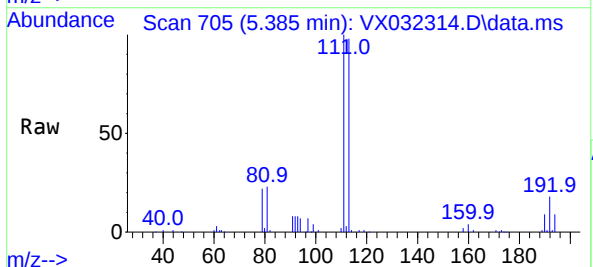
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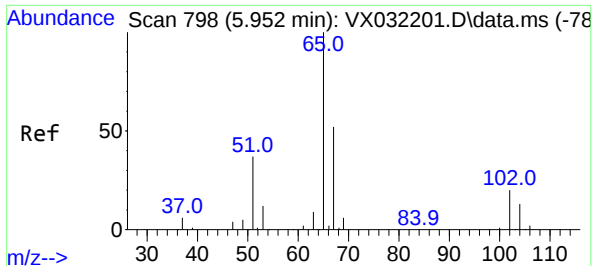
Tgt Ion: 56 Resp: 3256  
Ion Ratio Lower Upper  
56 100  
69 133.2 25.4 38.0#  
84 95.3 71.2 106.8



#32  
1,1,1-Trichloroethane  
Concen: 2.141 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

Tgt Ion: 97 Resp: 5177  
Ion Ratio Lower Upper  
97 100  
99 61.0 51.8 77.8  
61 40.6 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 48.172 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032314.D

Acq: 22 Oct 2022 02:29

Instrument :

MSVOA\_X

ClientSampleId :

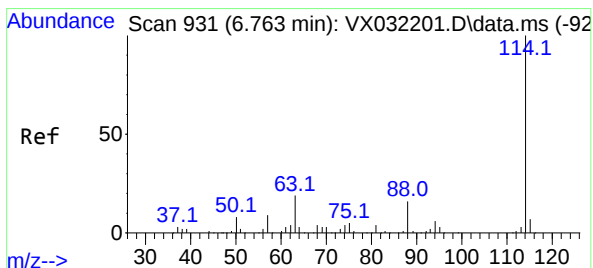
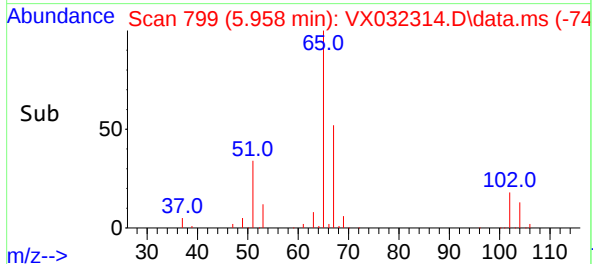
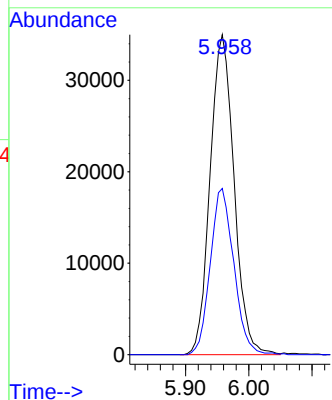
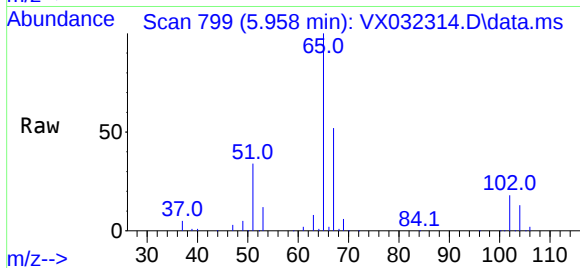
FSND-MW-12R-20221018

Tgt Ion: 65 Resp: 92048

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032314.D

Acq: 22 Oct 2022 02:29

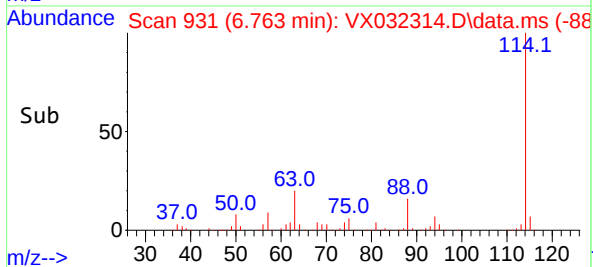
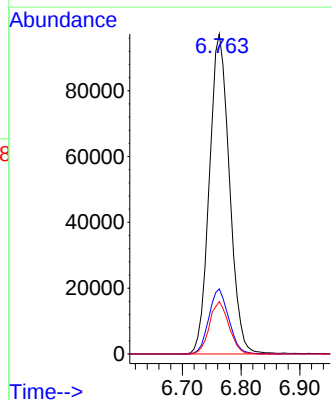
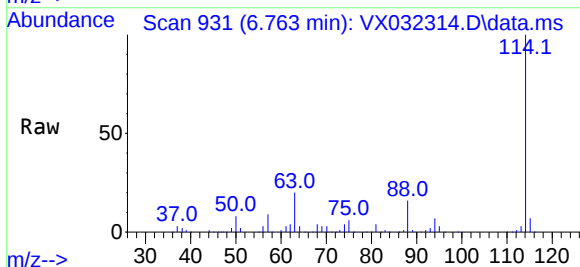
Tgt Ion: 114 Resp: 230307

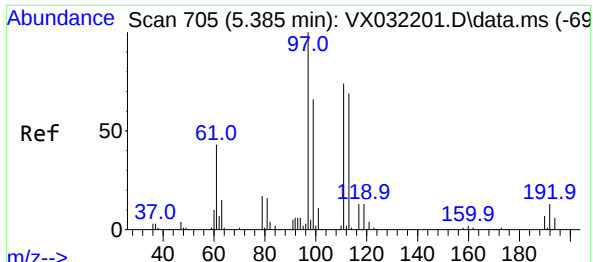
Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.6

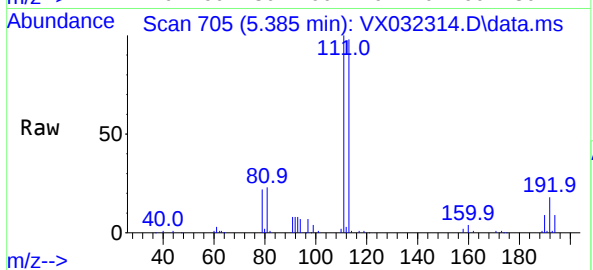
88 16.3 0.0 32.6



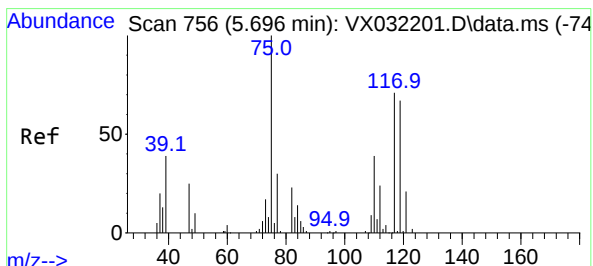
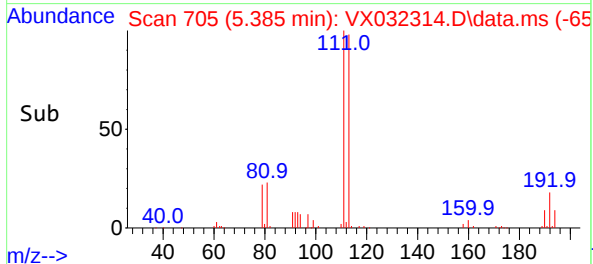
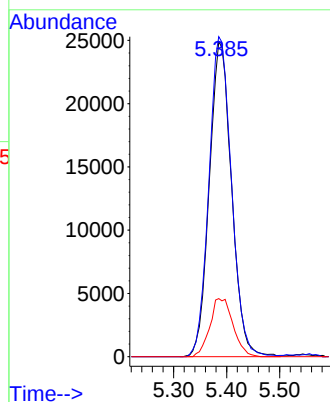


#35  
Dibromofluoromethane  
Concen: 45.181 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

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FSND-MW-12R-20221018

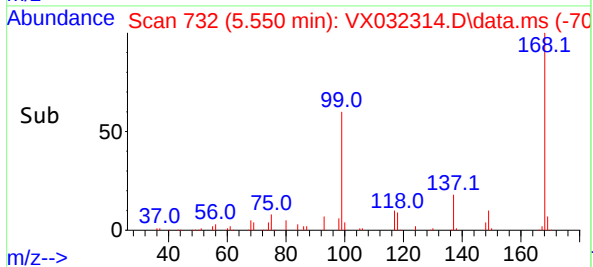
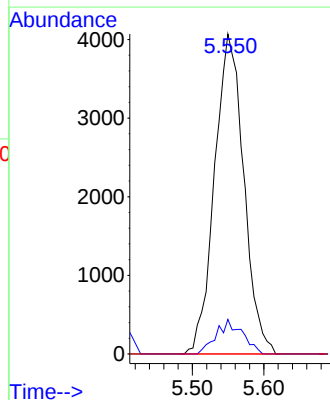
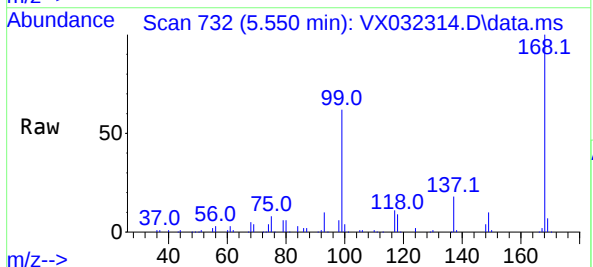


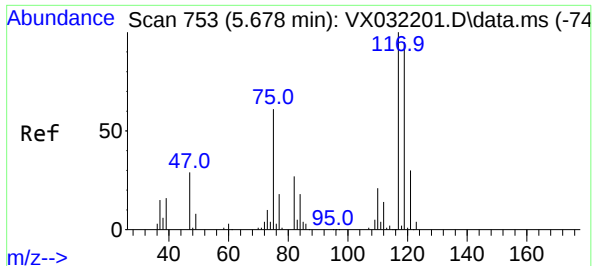
Tgt Ion:113 Resp: 72409  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.8 124.2  
192 19.3 15.5 23.3



#36  
1,1-Dichloropropene  
Concen: 5.600 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

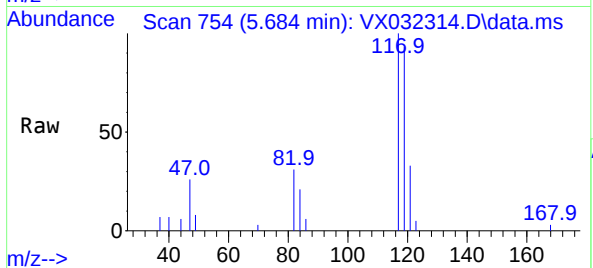
Tgt Ion: 75 Resp: 11544  
Ion Ratio Lower Upper  
75 100  
110 9.6 18.4 55.0#  
77 0.0 24.7 37.1#



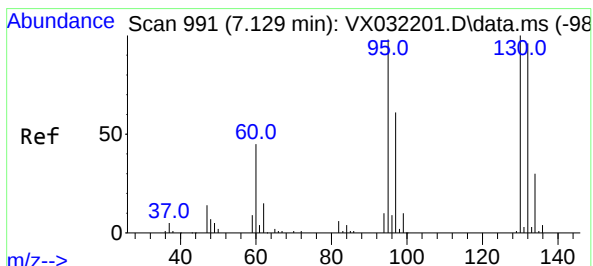
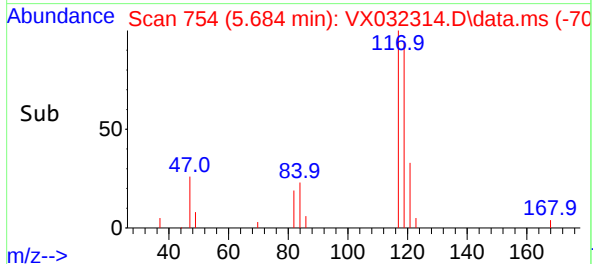
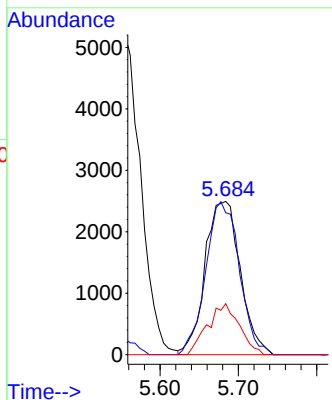


#38  
Carbon Tetrachloride  
Concen: 3.576 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-12R-20221018

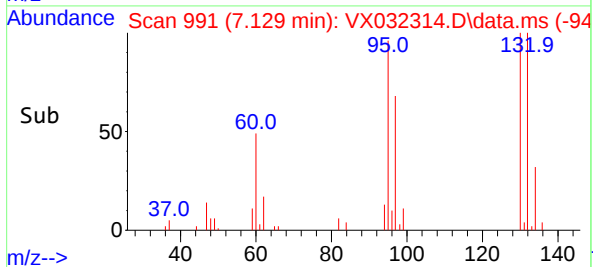
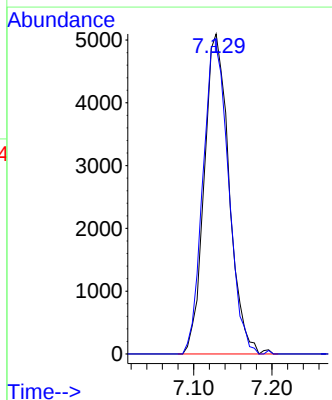
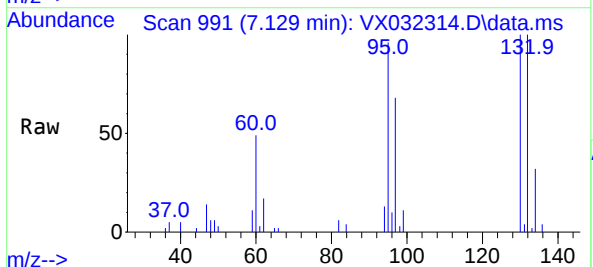


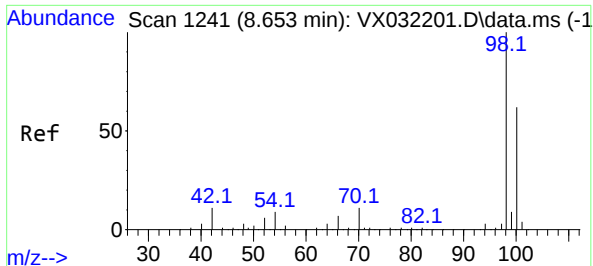
Tgt Ion:117 Resp: 7783  
Ion Ratio Lower Upper  
117 100  
119 92.6 75.4 113.0  
121 33.3 23.9 35.9



#44  
Trichloroethene  
Concen: 6.831 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

Tgt Ion:130 Resp: 11239  
Ion Ratio Lower Upper  
130 100  
95 96.1 0.0 196.8

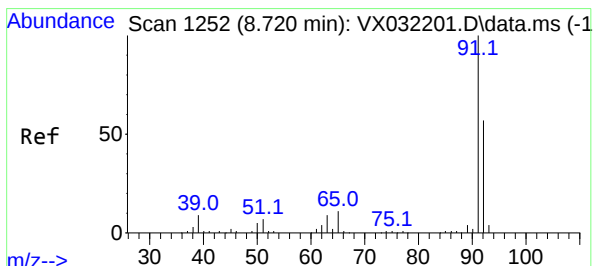
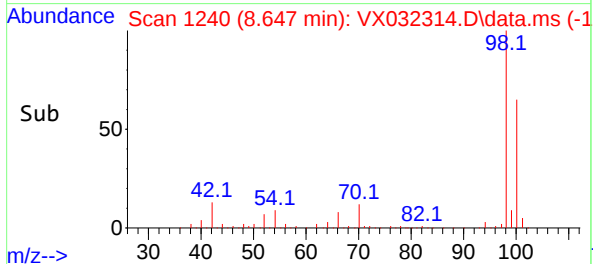
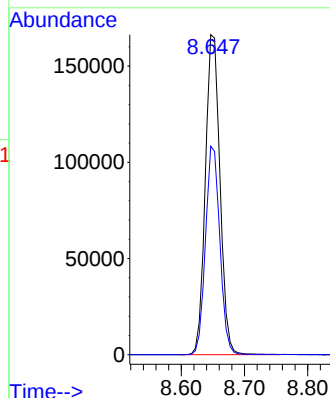
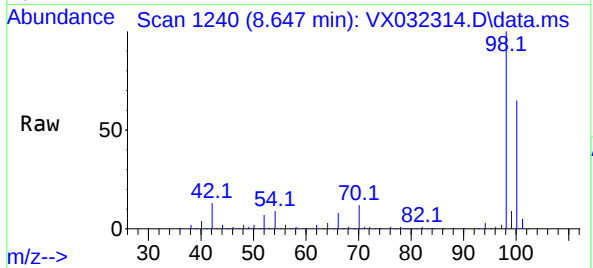




#50  
Toluene-d8  
Concen: 46.474 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

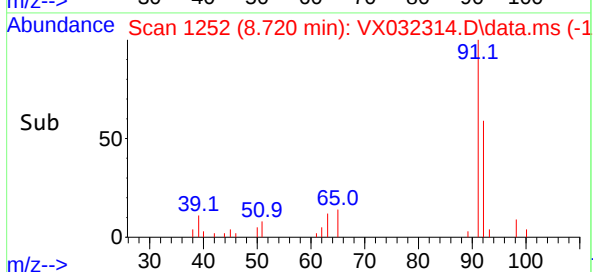
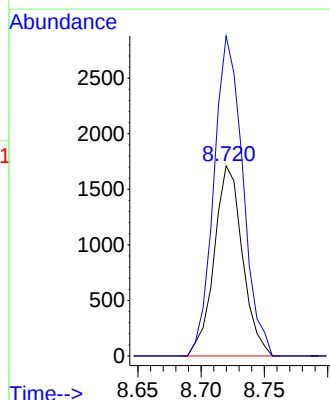
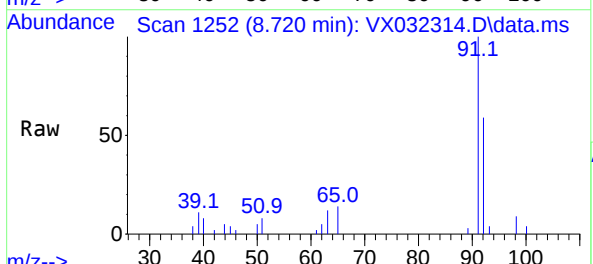
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-12R-20221018

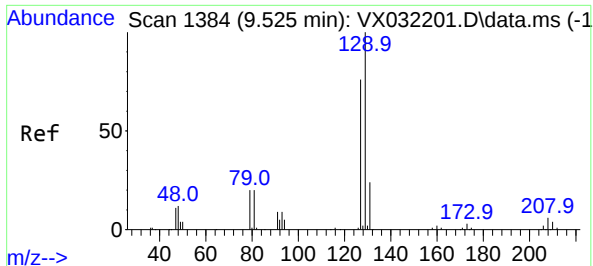
Tgt Ion: 98 Resp: 268107  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.7 76.1



#52  
Toluene  
Concen: 0.688 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

Tgt Ion: 92 Resp: 2663  
Ion Ratio Lower Upper  
92 100  
91 172.2 140.3 210.5





#60

Dibromochloromethane

Concen: 1.099 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX032314.D

Acq: 22 Oct 2022 02:29

Instrument :

MSVOA\_X

ClientSampleId :

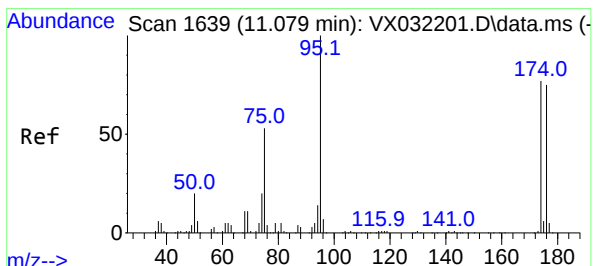
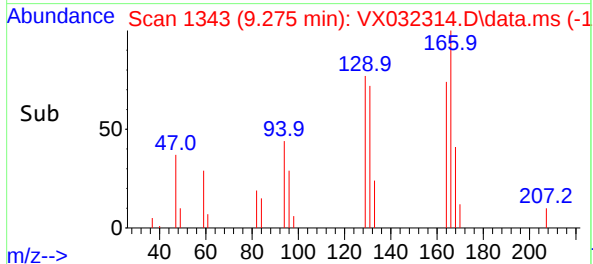
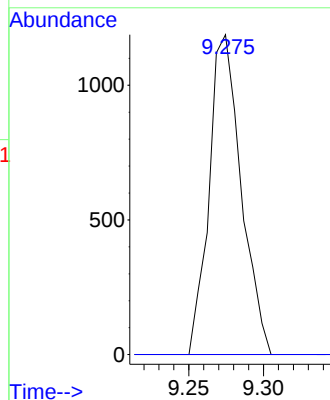
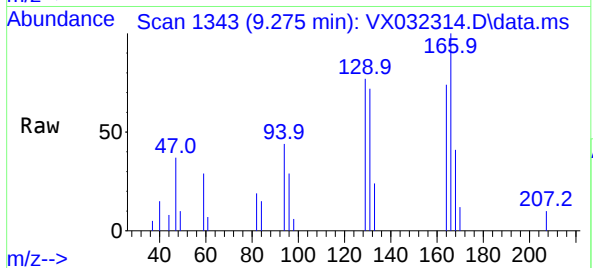
FSND-MW-12R-20221018

Tgt Ion:129 Resp: 1771

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 44.360 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032314.D

Acq: 22 Oct 2022 02:29

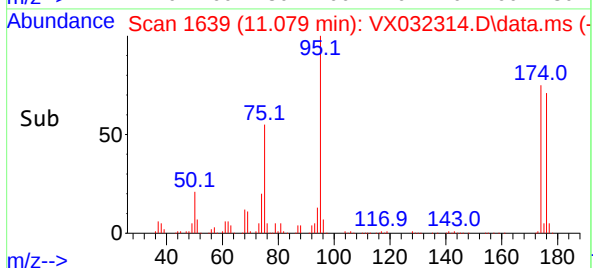
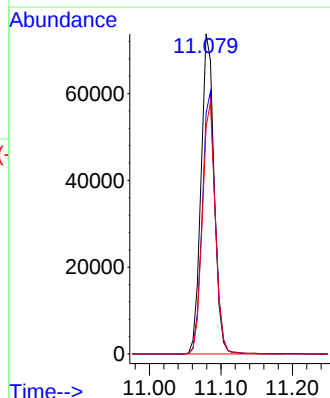
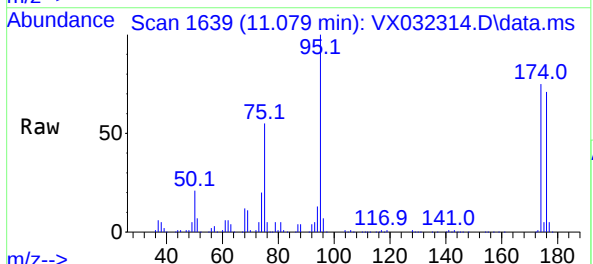
Tgt Ion: 95 Resp: 93711

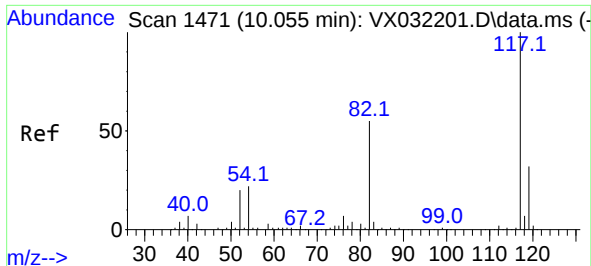
Ion Ratio Lower Upper

95 100

174 81.6 0.0 166.8

176 77.9 0.0 161.4

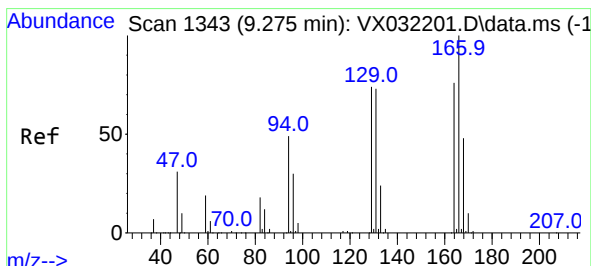
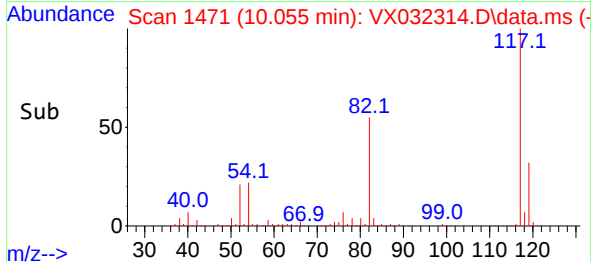
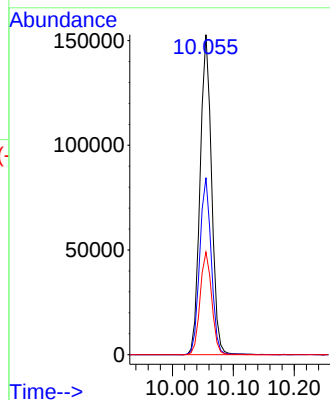
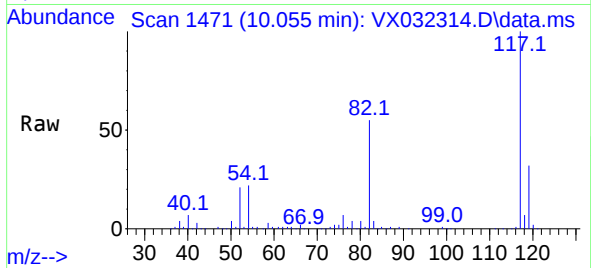




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

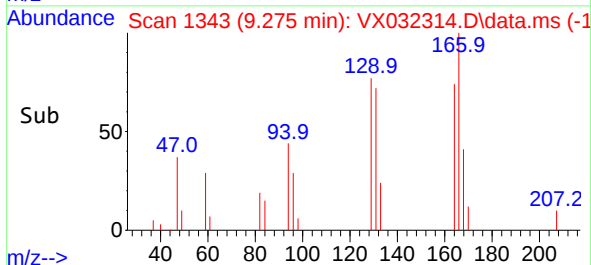
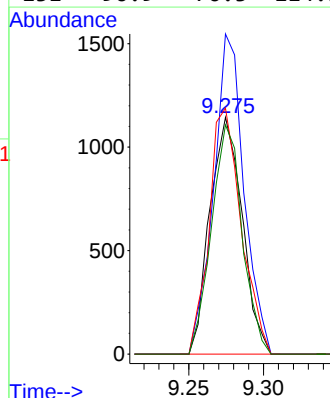
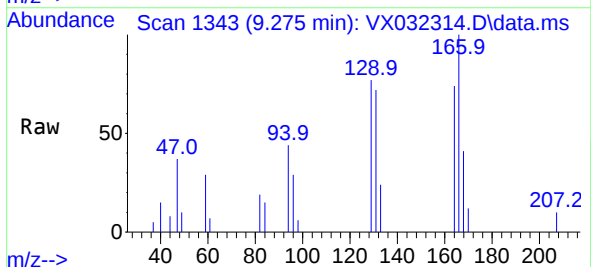
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-12R-20221018

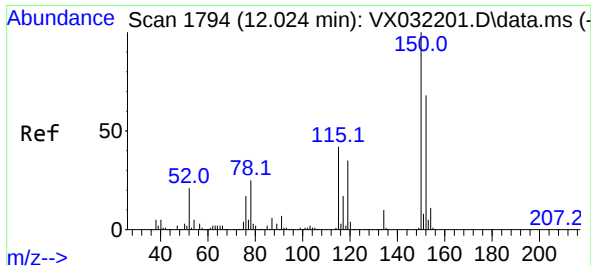
Tgt Ion:117 Resp: 200010  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.2 66.4  
119 32.1 25.8 38.8



#64  
Tetrachloroethene  
Concen: 1.301 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

Tgt Ion:164 Resp: 1718  
Ion Ratio Lower Upper  
164 100  
166 135.2 104.9 157.3  
129 103.8 77.8 116.6  
131 96.9 76.3 114.5

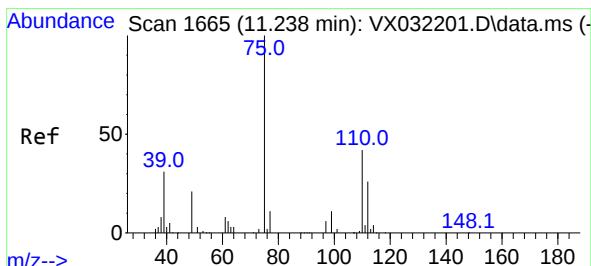
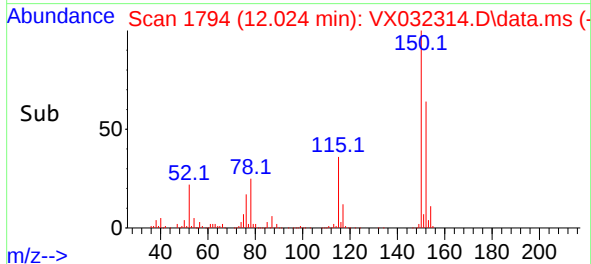
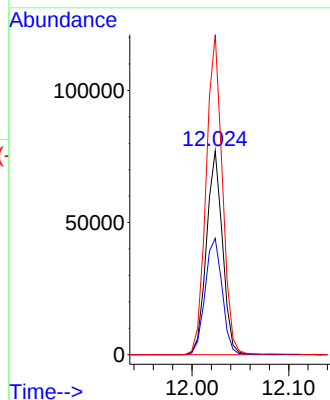
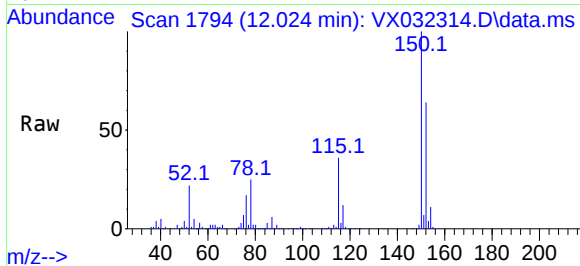




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

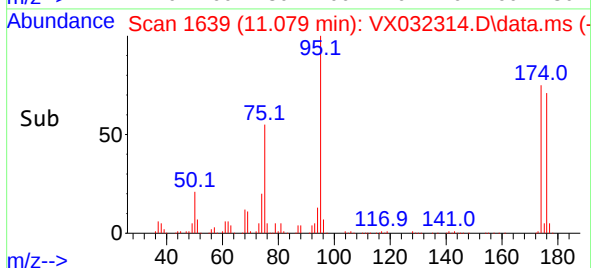
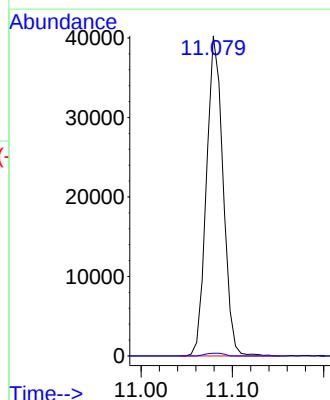
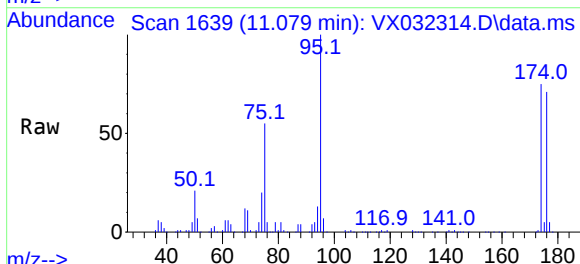
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-12R-20221018

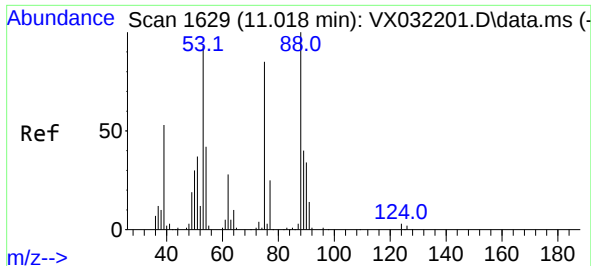
Tgt Ion:152 Resp: 89195  
Ion Ratio Lower Upper  
152 100  
115 61.0 43.1 129.4  
150 159.0 0.0 348.6



#76  
1,2,3-Trichloropropane  
Concen: 28.630 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

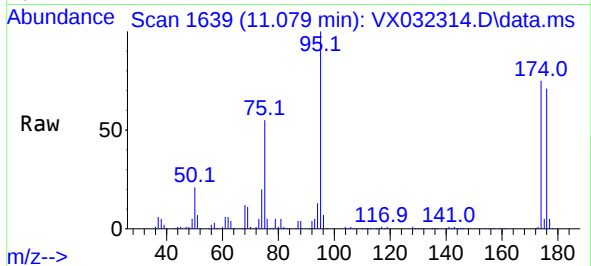
Tgt Ion: 75 Resp: 50598  
Ion Ratio Lower Upper  
75 100  
77 1.0 16.0 47.9#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.739 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX032314.D  
Acq: 22 Oct 2022 02:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-12R-20221018



Tgt Ion: 75 Resp: 50598  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.8 131.8#  
89 0.1 37.8 56.8#

