

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102622\  
 Data File : VX032415.D  
 Acq On : 26 Oct 2022 19:25  
 Operator : JC/MD  
 Sample : N5248-08RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-20-20221018RE

Quant Time: Oct 27 08:33:53 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

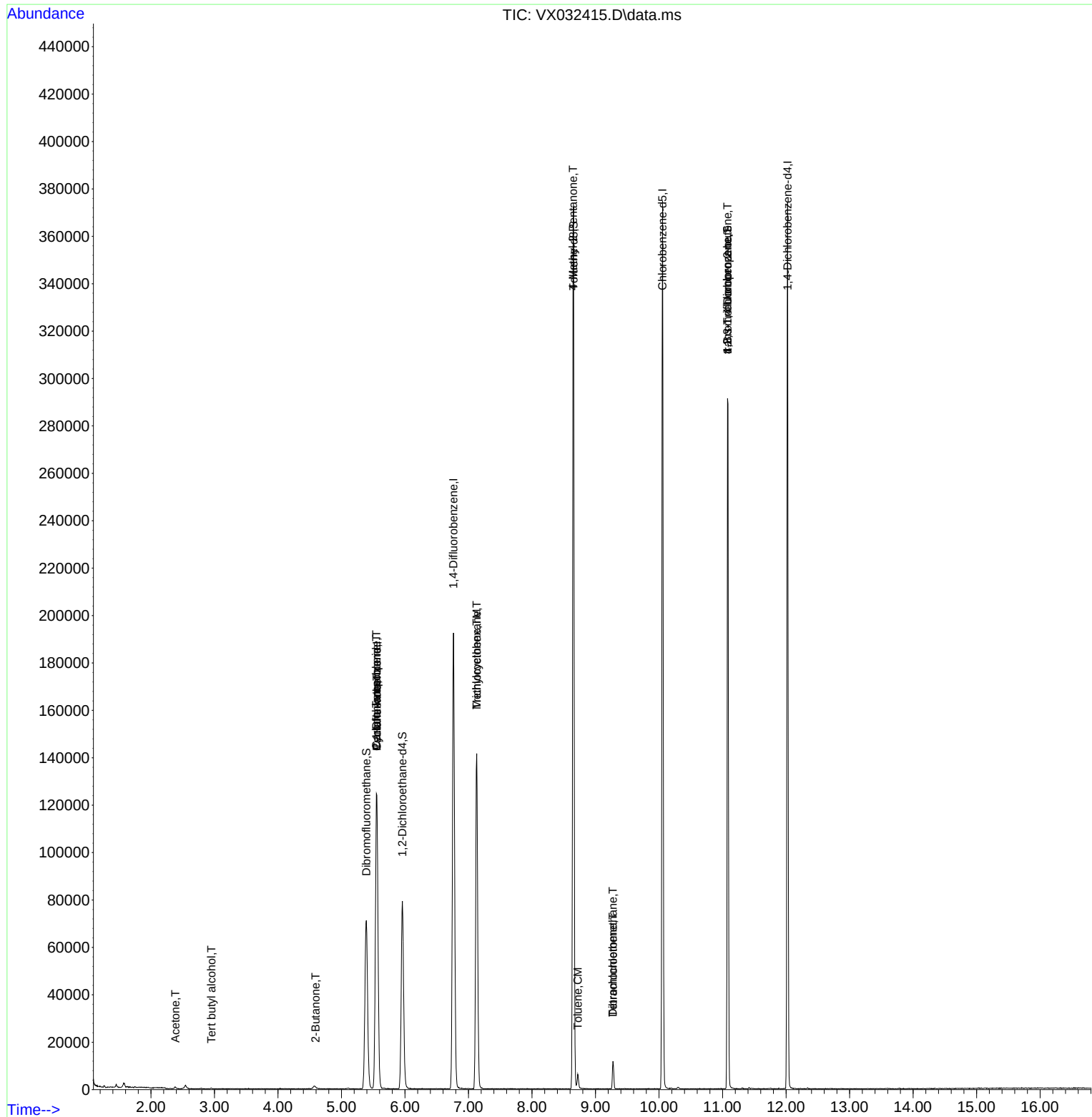
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 118590   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 192683   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 164958   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 75109    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 78411    | 47.586   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 95.180%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 61632    | 44.842   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 89.680%  |
| 50) Toluene-d8                | 8.653  | 98    | 225280   | 47.138   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 94.280%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 77455    | 41.489   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 82.980%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.952  | 59    | 192      | 0.801    | ug/l # | 72       |
| 16) Acetone                   | 2.386  | 43    | 873      | 1.458    | ug/l   | 91       |
| 25) 2-Butanone                | 4.592  | 43    | 510      | 0.550    | ug/l # | 47       |
| 31) Cyclohexane               | 5.556  | 56    | 2677     | 1.340    | ug/l # | 64       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 9393     | 4.908    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 12365    | 5.825    | ug/l # | 15       |
| 39) Methylcyclohexane         | 7.129  | 83    | 740      | 0.327    | ug/l # | 1        |
| 44) Trichloroethene           | 7.129  | 130   | 54387    | 35.671   | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1022     | 0.530    | ug/l # | 1        |
| 52) Toluene                   | 8.720  | 92    | 2325     | 0.658    | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.275  | 129   | 2159     | 1.328    | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.275  | 164   | 2278     | 1.887    | ug/l   | 91       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 41326    | 24.731   | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 41326    | 78.696   | ug/l # | 6        |
| -----                         |        |       |          |          |        |          |

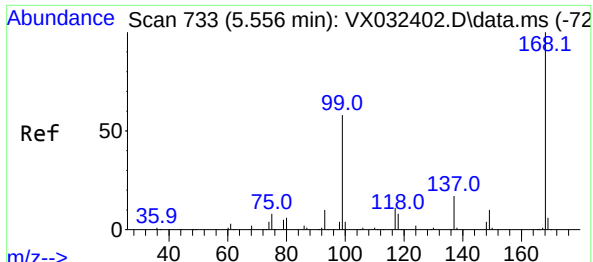
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
FSND-MW-20-20221018RE

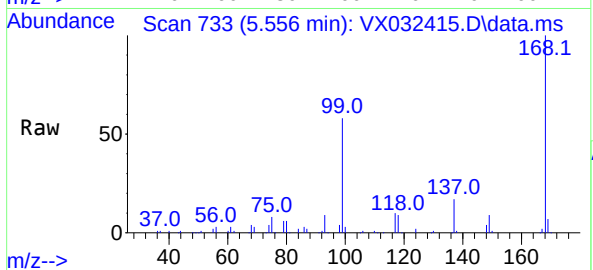
Quant Time: Oct 27 08:33:53 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration



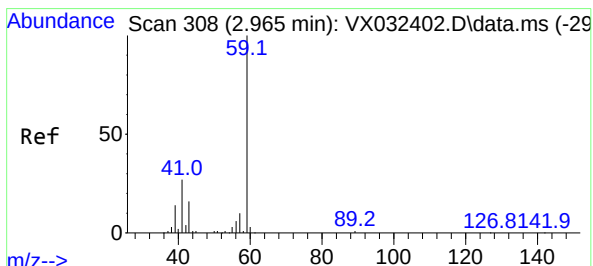
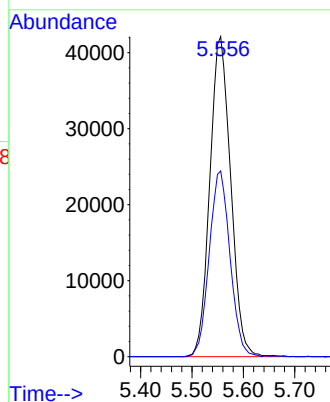
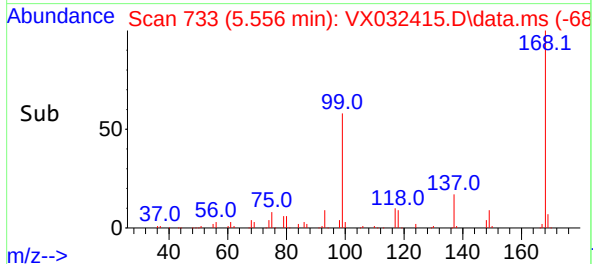


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-20-20221018RE

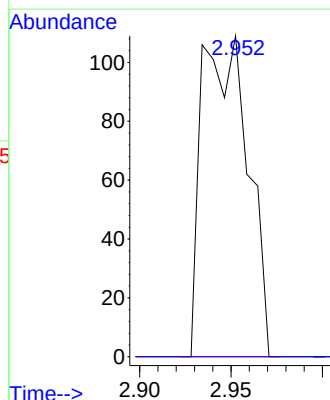
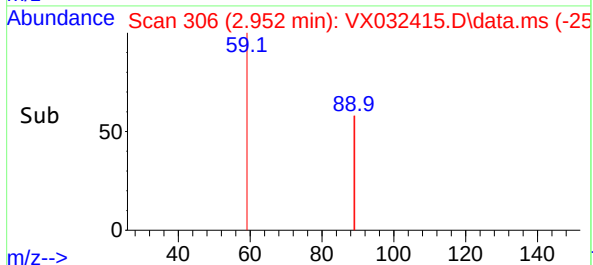
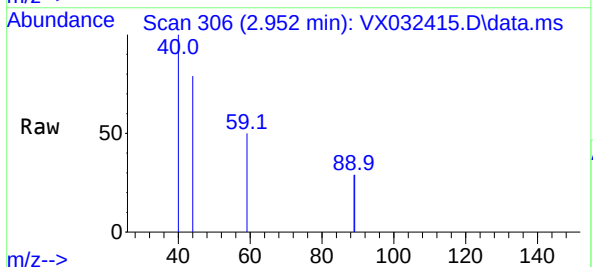


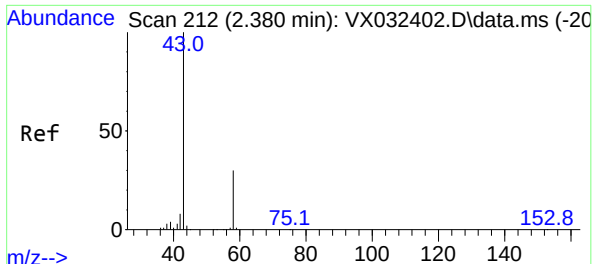
Tgt Ion:168 Resp: 118590  
Ion Ratio Lower Upper  
168 100  
99 58.0 46.1 69.1



#11  
Tert butyl alcohol  
Concen: 0.801 ug/l  
RT: 2.952 min Scan# 306  
Delta R.T. -0.012 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Tgt Ion: 59 Resp: 192  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

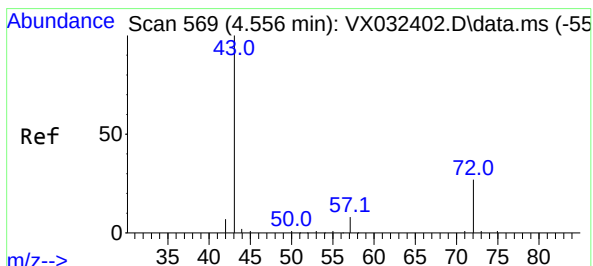
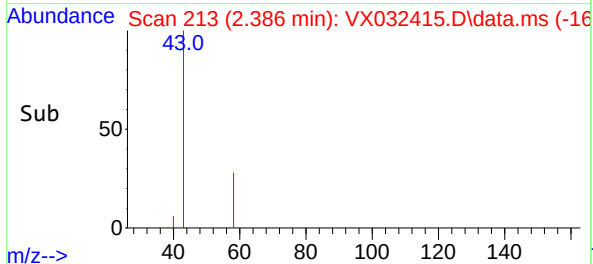
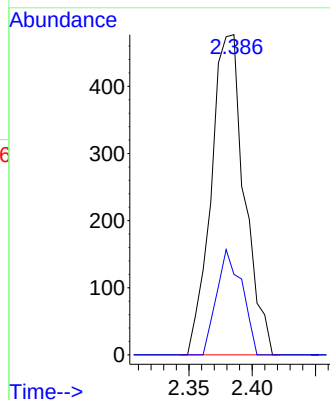
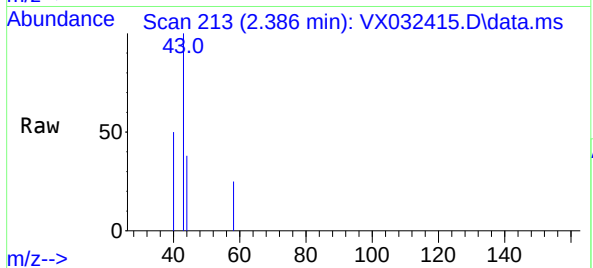




#16  
Acetone  
Concen: 1.458 ug/l  
RT: 2.386 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

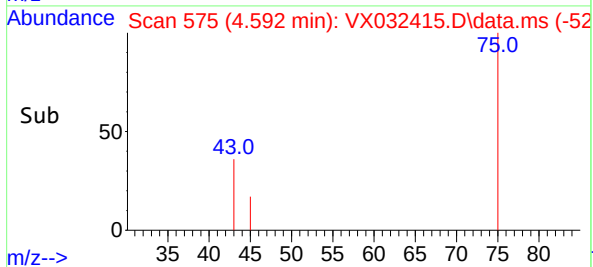
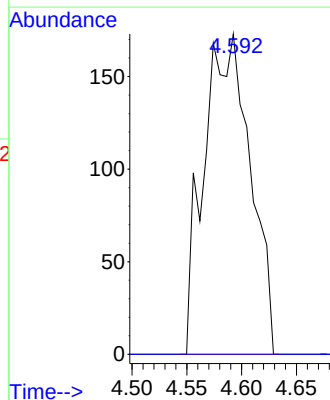
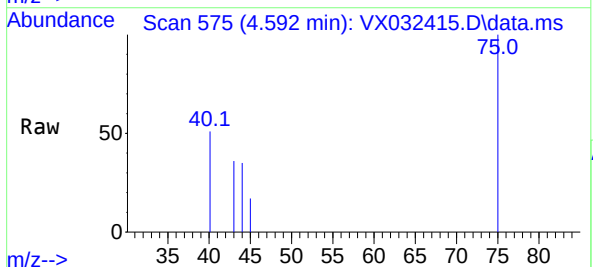
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-20-20221018RE

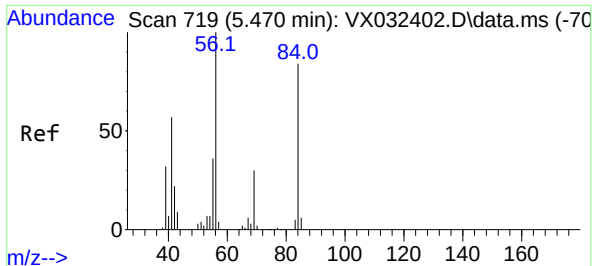
Tgt Ion: 43 Resp: 873  
Ion Ratio Lower Upper  
43 100  
58 25.2 23.8 35.8



#25  
2-Butanone  
Concen: 0.550 ug/l  
RT: 4.592 min Scan# 575  
Delta R.T. 0.036 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Tgt Ion: 43 Resp: 510  
Ion Ratio Lower Upper  
43 100  
72 0.0 22.2 33.2#

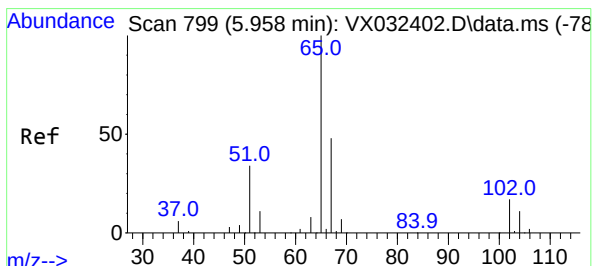
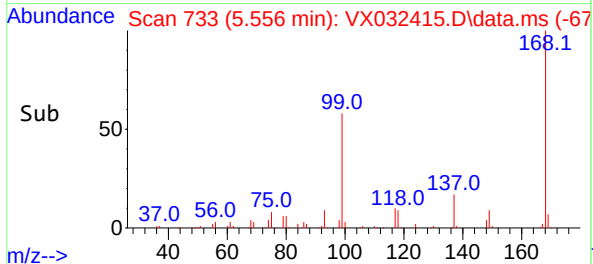
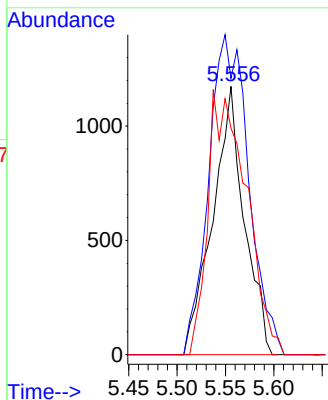
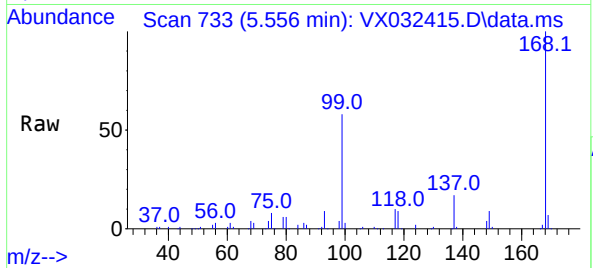




#31  
Cyclohexane  
Concen: 1.340 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

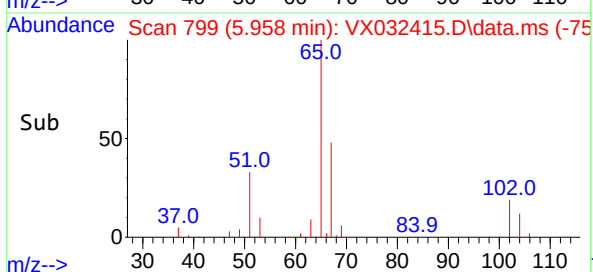
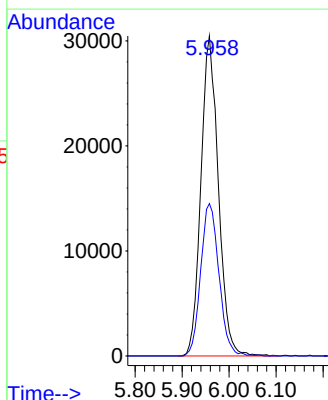
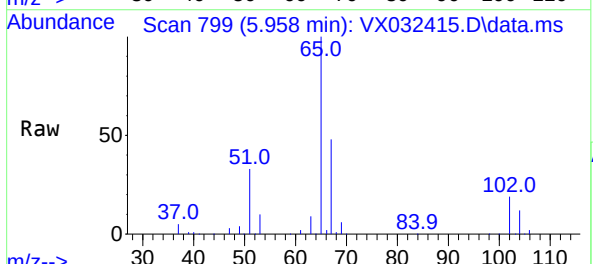
Instrument :  
MSVOA\_X  
ClientSampleId :  
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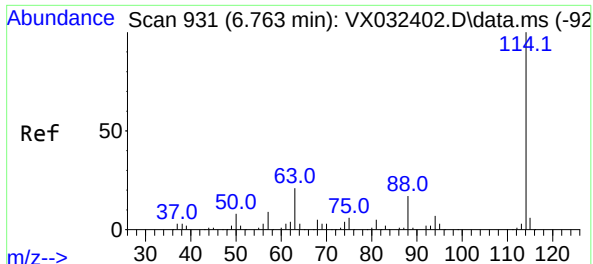
Tgt Ion: 56 Resp: 2677  
Ion Ratio Lower Upper  
56 100  
69 103.0 24.1 36.1#  
84 84.4 66.9 100.3



#33  
1,2-Dichloroethane-d4  
Concen: 47.586 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Tgt Ion: 65 Resp: 78411  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 101.8

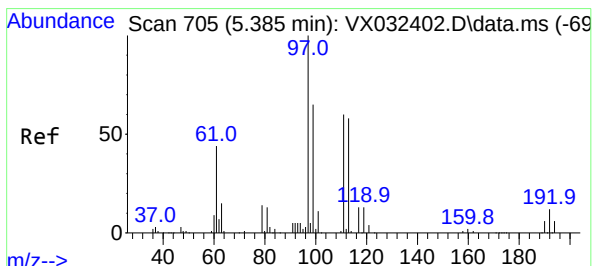
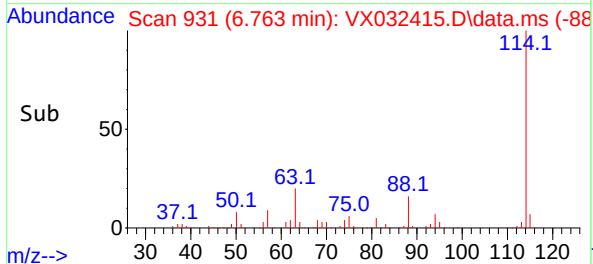
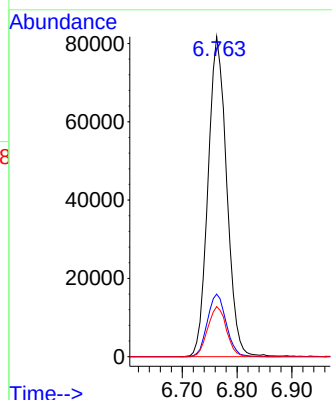
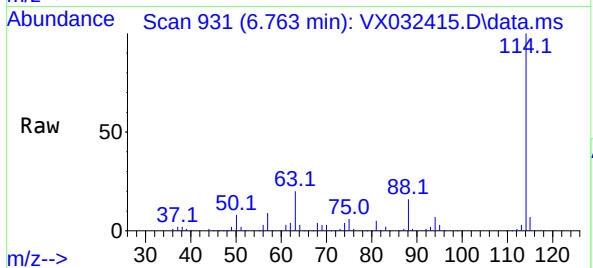




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

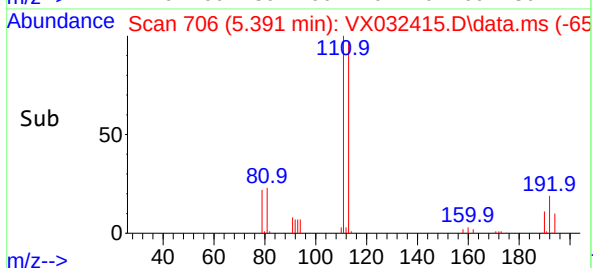
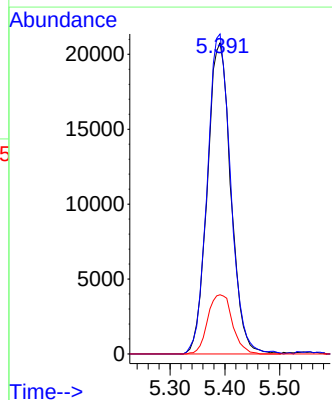
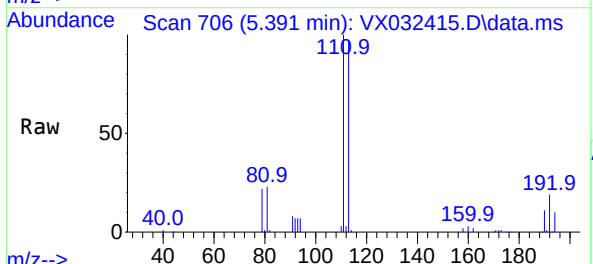
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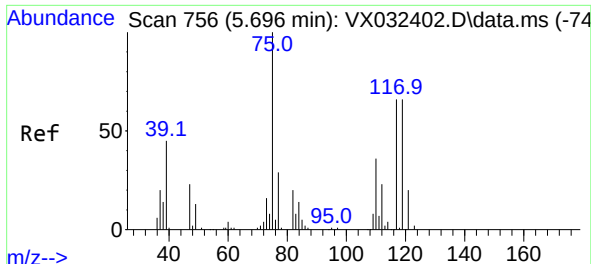
Tgt Ion:114 Resp: 192683  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 41.6  
88 15.6 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 44.842 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Tgt Ion:113 Resp: 61632  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.4 123.6  
192 19.9 15.4 23.2

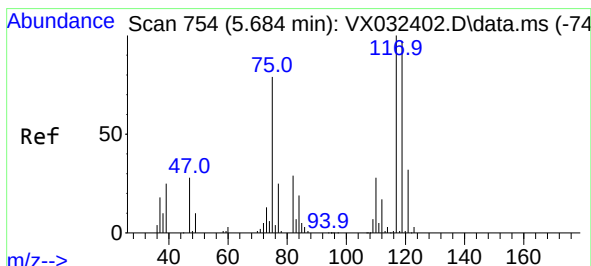
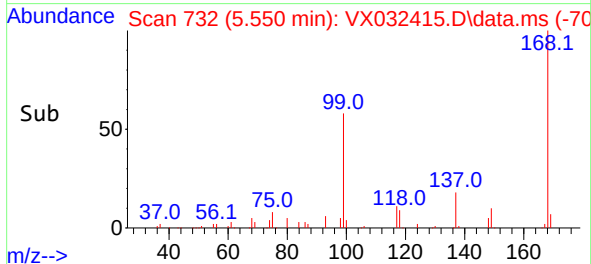
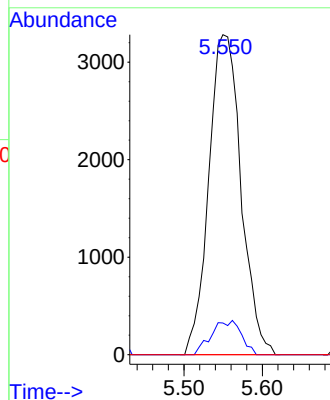
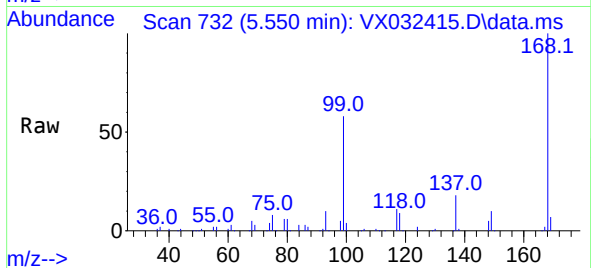




#36  
1,1-Dichloropropene  
Concen: 4.908 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.146 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

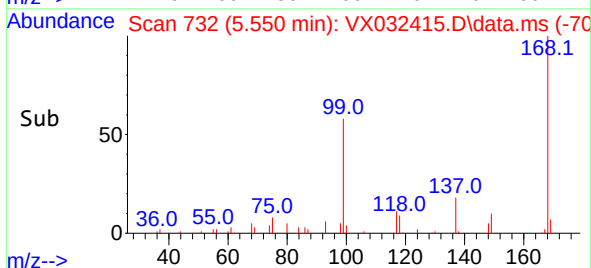
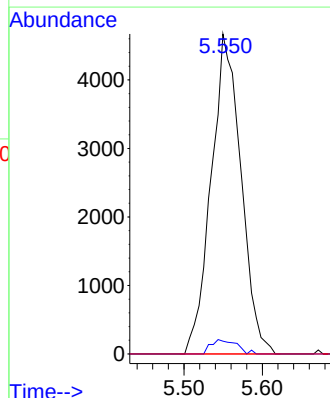
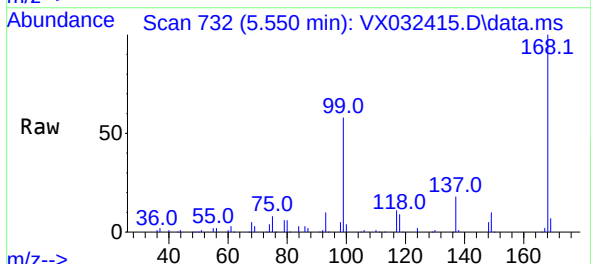
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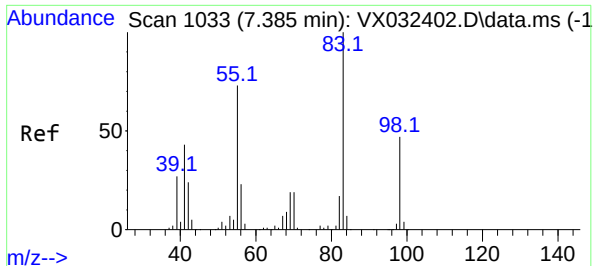
Tgt Ion: 75 Resp: 9393  
Ion Ratio Lower Upper  
75 100  
110 9.9 18.4 55.2#  
77 0.0 24.5 36.7#



#38  
Carbon Tetrachloride  
Concen: 5.825 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.134 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Tgt Ion: 117 Resp: 12365  
Ion Ratio Lower Upper  
117 100  
119 4.0 77.2 115.8#  
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 0.327 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX032415.D

Acq: 26 Oct 2022 19:25

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-20-20221018RE

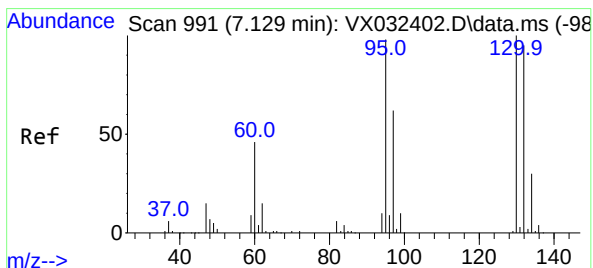
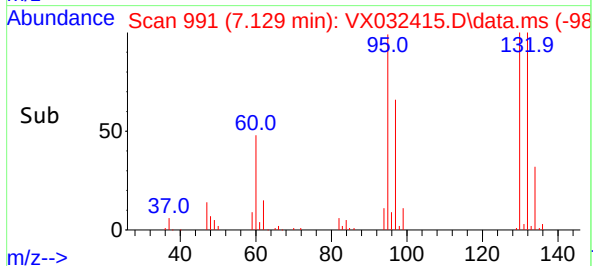
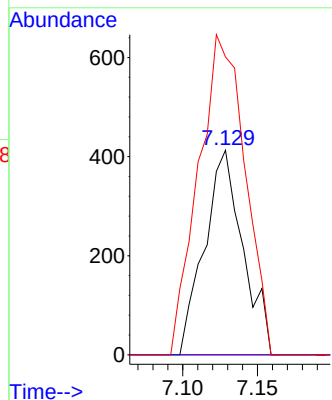
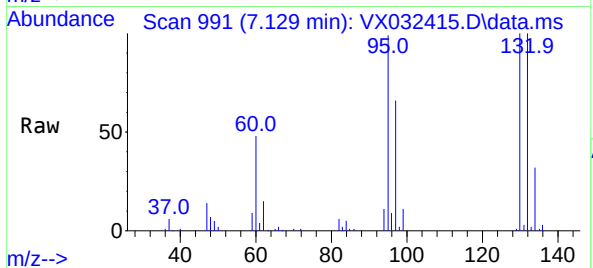
Tgt Ion: 83 Resp: 740

Ion Ratio Lower Upper

83 100

55 0.0 58.4 87.6#

98 145.5 37.2 55.8#



#44

Trichloroethene

Concen: 35.671 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX032415.D

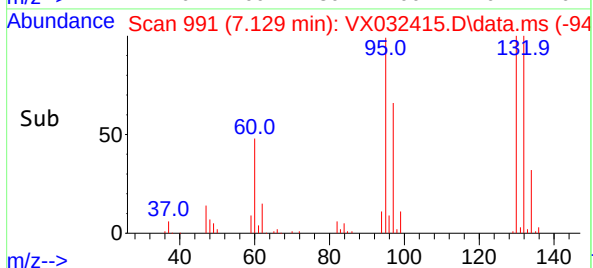
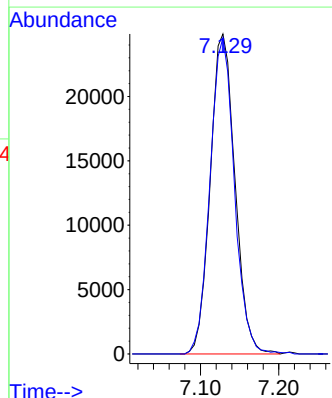
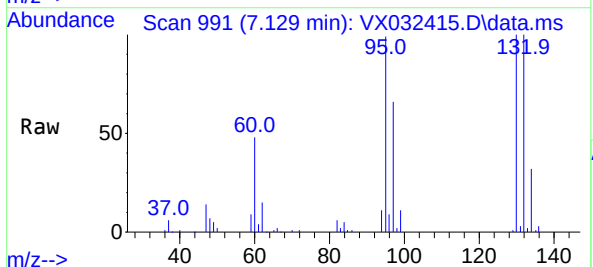
Acq: 26 Oct 2022 19:25

Tgt Ion:130 Resp: 54387

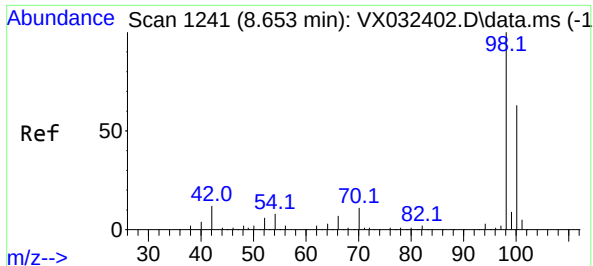
Ion Ratio Lower Upper

130 100

95 98.8 0.0 195.2







#50

Toluene-d8

Concen: 47.138 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX032415.D

Acq: 26 Oct 2022 19:25

Instrument :

MSVOA\_X

ClientSampleId :

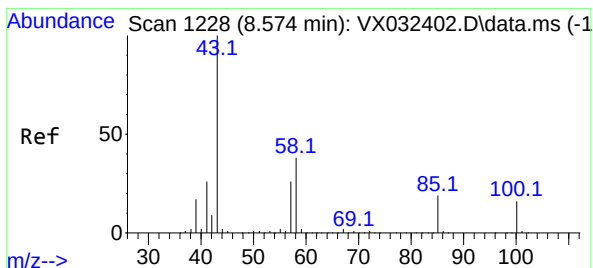
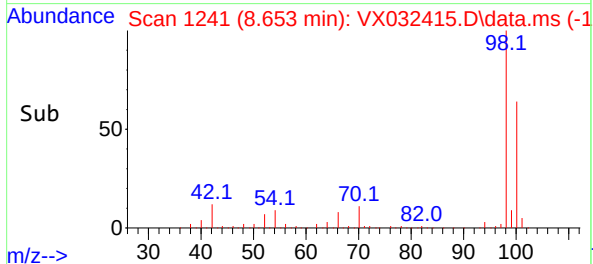
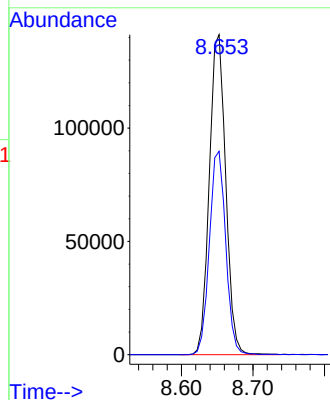
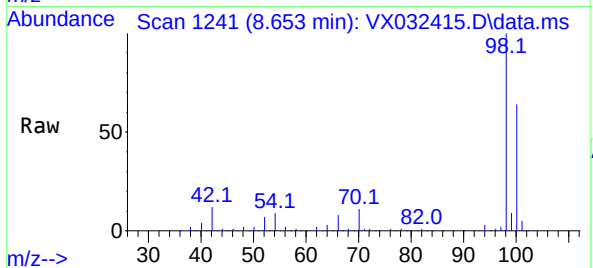
FSND-MW-20-20221018RE

Tgt Ion: 98 Resp: 225280

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.530 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX032415.D

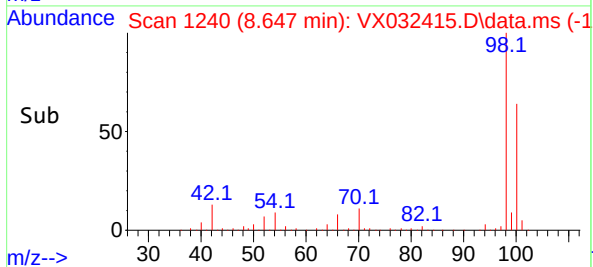
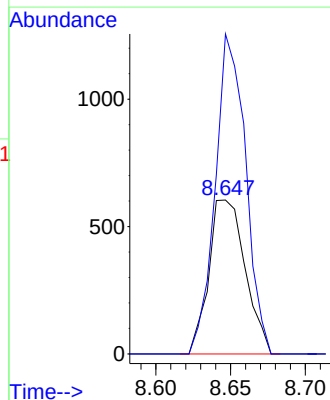
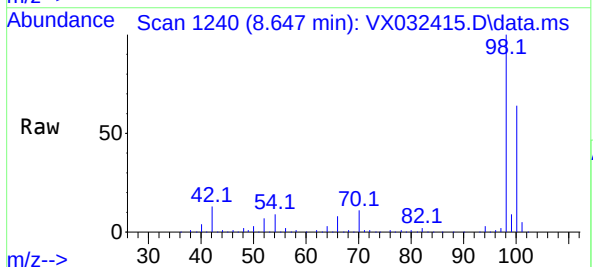
Acq: 26 Oct 2022 19:25

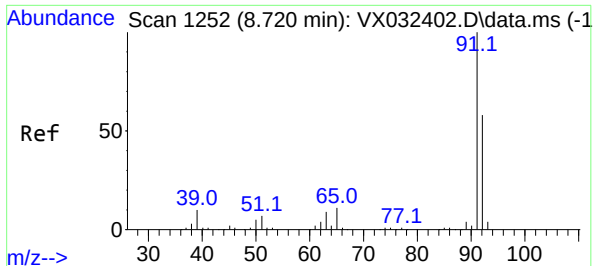
Tgt Ion: 43 Resp: 1022

Ion Ratio Lower Upper

43 100

58 174.1 30.9 46.3#

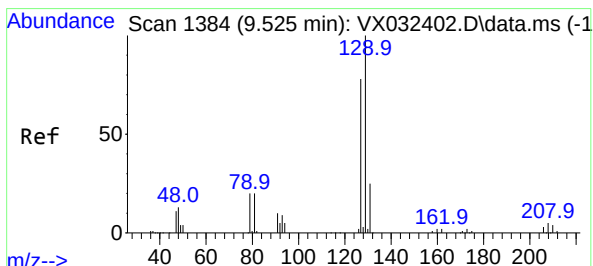
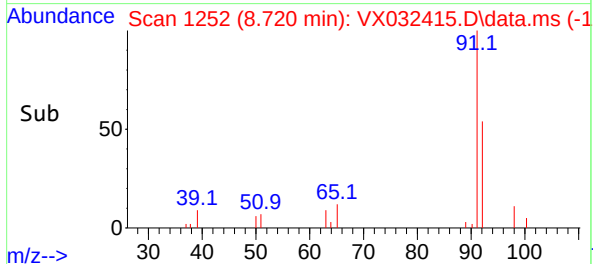
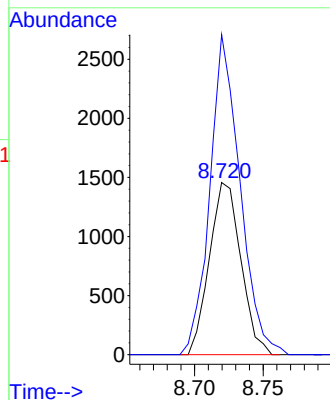
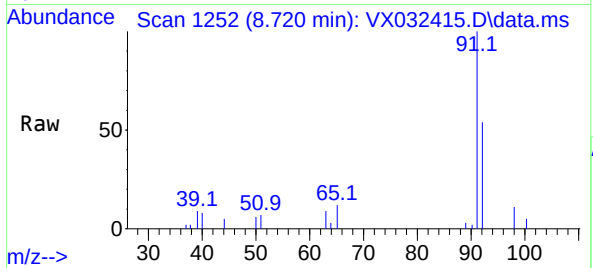




#52  
Toluene  
Concen: 0.658 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

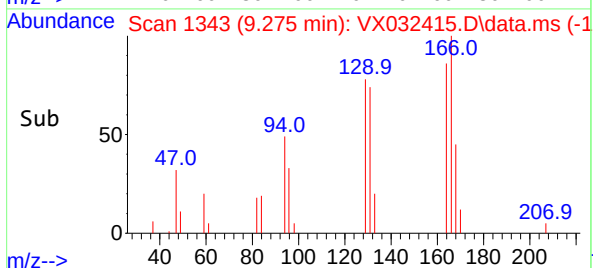
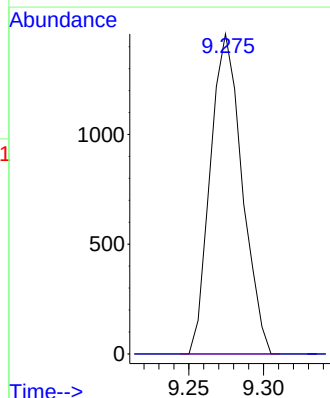
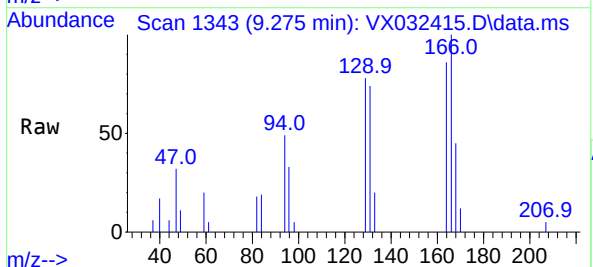
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-20-20221018RE

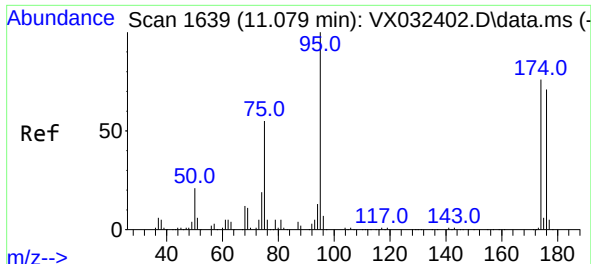
Tgt Ion: 92 Resp: 2325  
Ion Ratio Lower Upper  
92 100  
91 178.3 138.3 207.5



#60  
Dibromochloromethane  
Concen: 1.328 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.250 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Tgt Ion: 129 Resp: 2159  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.6 115.8#

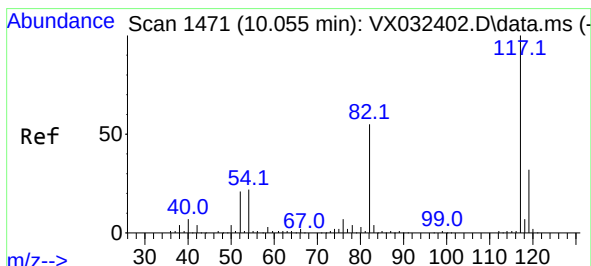
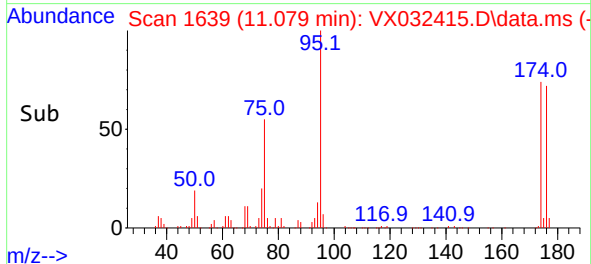
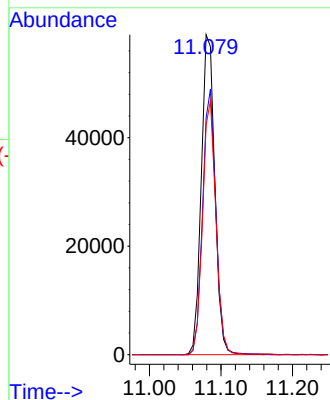
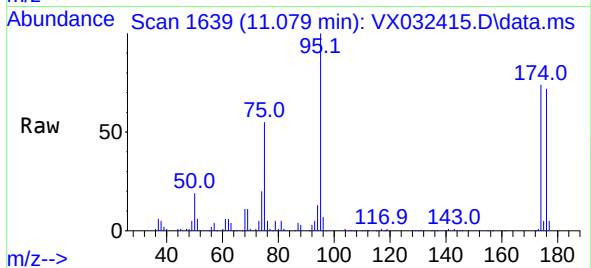




#62  
4-Bromofluorobenzene  
Concen: 41.489 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

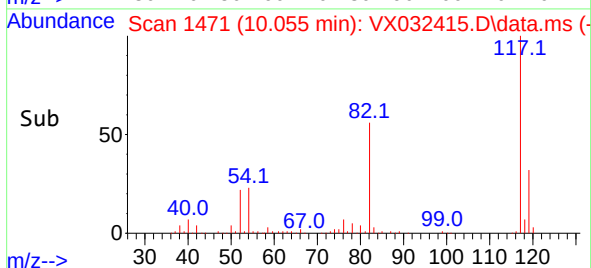
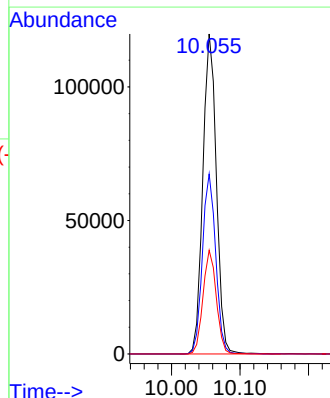
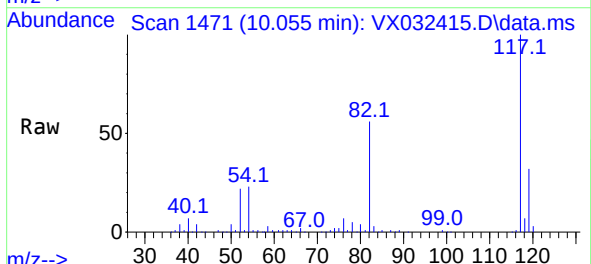
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-20-20221018RE

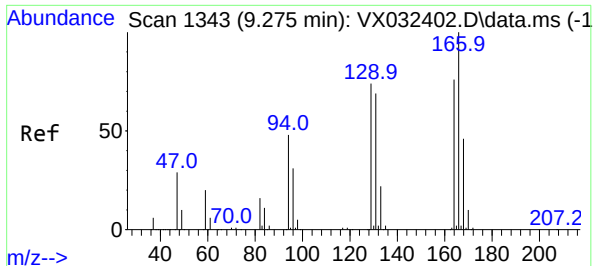
Tgt Ion: 95 Resp: 77455  
Ion Ratio Lower Upper  
95 100  
174 81.1 0.0 164.0  
176 78.0 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Tgt Ion: 117 Resp: 164958  
Ion Ratio Lower Upper  
117 100  
82 56.3 44.3 66.5  
119 32.4 25.7 38.5



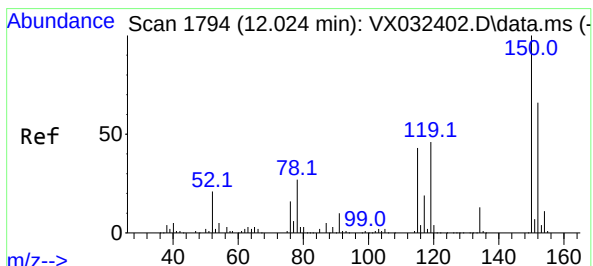
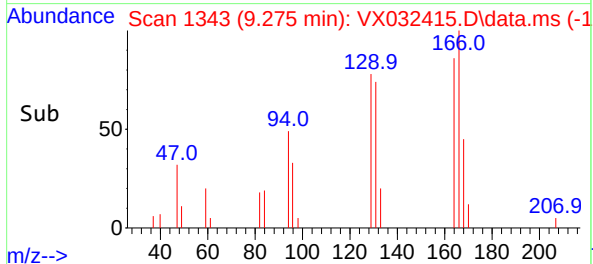
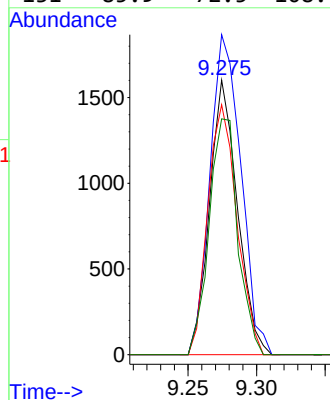
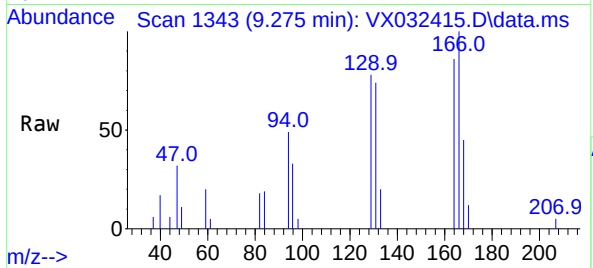


#64  
Tetrachloroethene  
Concen: 1.887 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-20-20221018RE

Tgt Ion:164 Resp: 2278

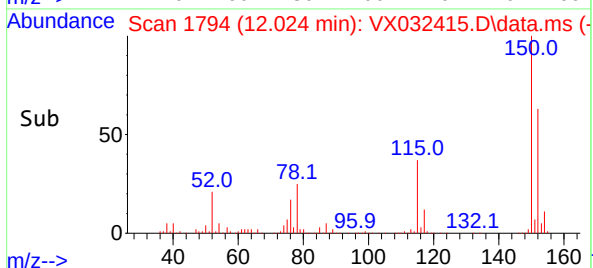
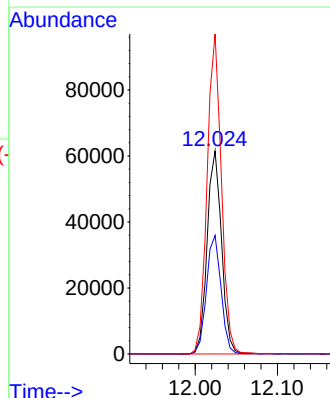
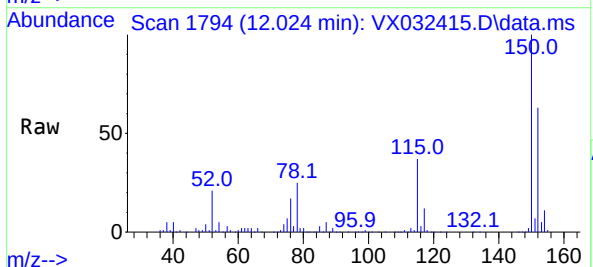
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 116.5 | 105.4 | 158.2 |
| 129 | 91.0  | 78.2  | 117.2 |
| 131 | 85.9  | 72.5  | 108.7 |

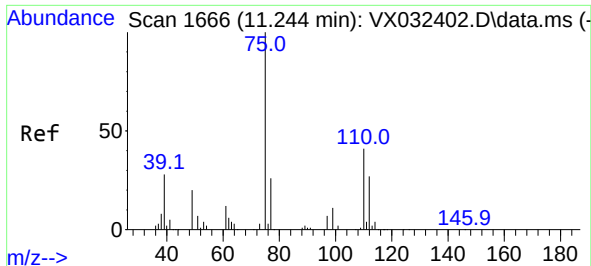


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Tgt Ion:152 Resp: 75109

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 59.0  | 44.0  | 132.0 |
| 150 | 155.4 | 0.0   | 351.8 |

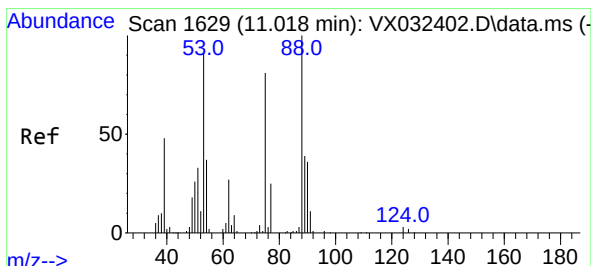
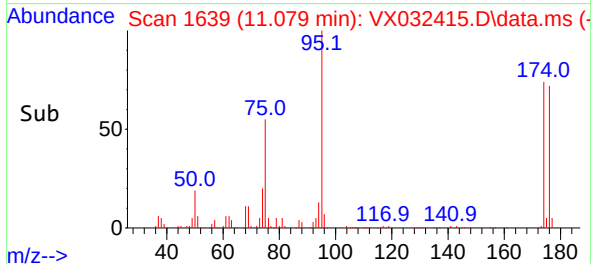
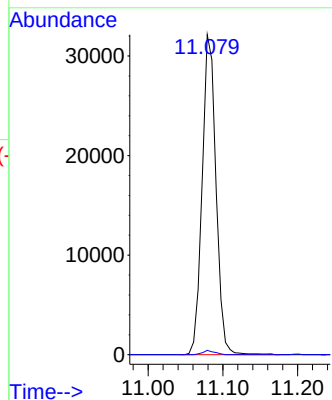
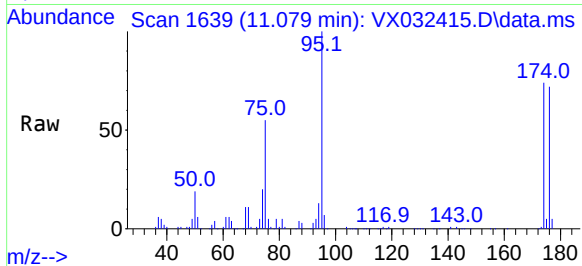




#76  
1,2,3-Trichloropropane  
Concen: 24.731 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-20-20221018RE

Tgt Ion: 75 Resp: 41326  
Ion Ratio Lower Upper  
75 100  
77 1.2 20.0 60.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.696 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX032415.D  
Acq: 26 Oct 2022 19:25

Tgt Ion: 75 Resp: 41326  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.9 130.3#  
89 0.0 38.3 57.5#

