

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102422\  
 Data File : VX032339.D  
 Acq On : 24 Oct 2022 14:47  
 Operator : JC/MD  
 Sample : N5248-03RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-RB-20221018

Quant Time: Oct 25 03:27:12 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

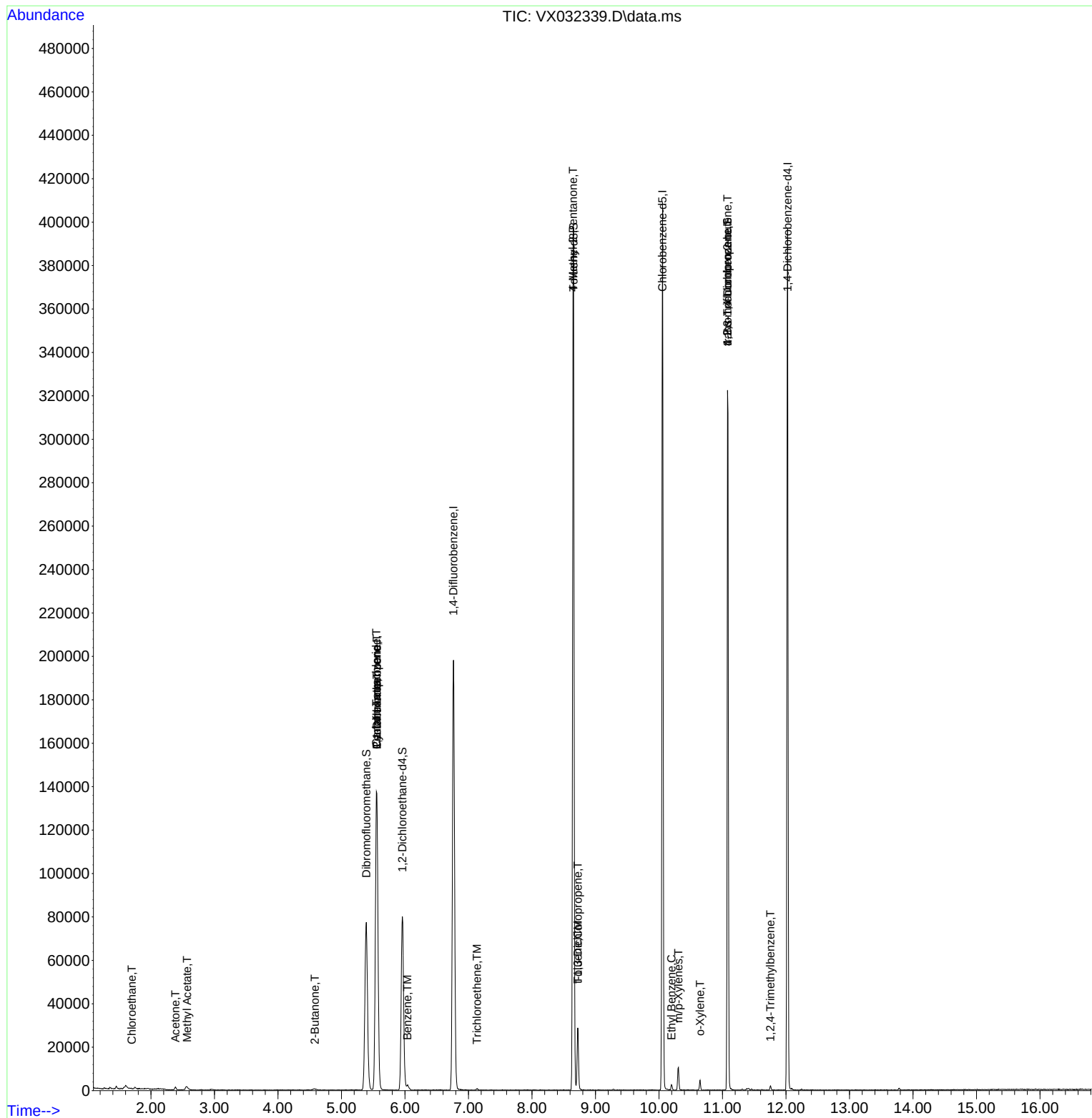
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 131764     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 203153     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 176569     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 81629      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 80046      | 46.698    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 93.400%   |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 65670      | 46.453    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 92.900%   |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 236100     | 46.396    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 92.800%   |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 80844      | 43.384    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 86.760%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 3) Chloromethane              | 1.295          | 50   | 50         | Below Cal | #      | 44       |
| 6) Chloroethane               | 1.697          | 64   | 50         | 1.990     | ug/l # | 41       |
| 11) Tert butyl alcohol        | 2.959          | 59   | 619        | Below Cal | #      | 74       |
| 16) Acetone                   | 2.386          | 43   | 1498       | 2.693     | ug/l   | 95       |
| 18) Methyl Acetate            | 2.569          | 43   | 705        | 0.373     | ug/l # | 50       |
| 25) 2-Butanone                | 4.581          | 43   | 267        | 0.307     | ug/l # | 48       |
| 31) Cyclohexane               | 5.556          | 56   | 2845       | 1.452     | ug/l # | 20       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 9894       | 5.441     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 13542      | 7.054     | ug/l # | 16       |
| 40) Benzene                   | 6.038          | 78   | 2443       | 0.464     | ug/l # | 81       |
| 44) Trichloroethene           | 7.135          | 130  | 332        | 0.229     | ug/l   | 31       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 1095       | 0.625     | ug/l # | 1        |
| 52) Toluene                   | 8.720          | 92   | 10587      | 3.101     | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.720          | 75   | 149        | 1.888     | ug/l # | 50       |
| 67) Ethyl Benzene             | 10.195         | 91   | 1747       | 0.273     | ug/l   | 96       |
| 68) m/p-Xylenes               | 10.305         | 106  | 2563       | 1.013     | ug/l   | 95       |
| 69) o-Xylene                  | 10.647         | 106  | 990        | 0.408     | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 43793      | 27.076    | ug/l # | 44       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 43793      | 83.128    | ug/l # | 6        |
| 84) 1,2,4-Trimethylbenzene    | 11.756         | 105  | 1171       | 0.239     | ug/l   | 92       |
| -----                         |                |      |            |           |        |          |

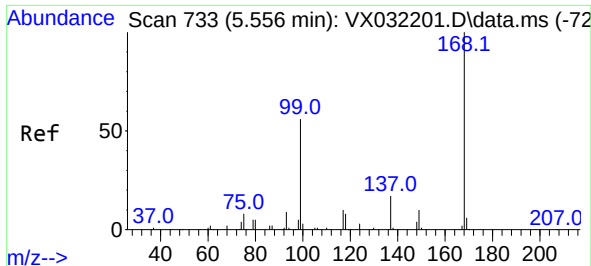
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102422\  
Data File : VX032339.D  
Acq On : 24 Oct 2022 14:47  
Operator : JC/MD  
Sample : N5248-03RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

Quant Time: Oct 25 03:27:12 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

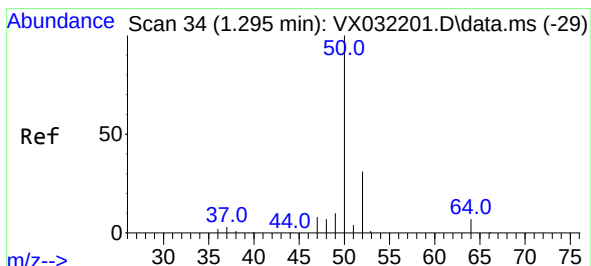
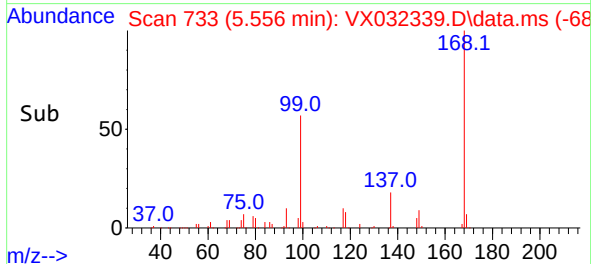
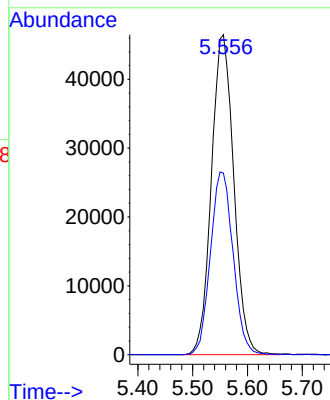
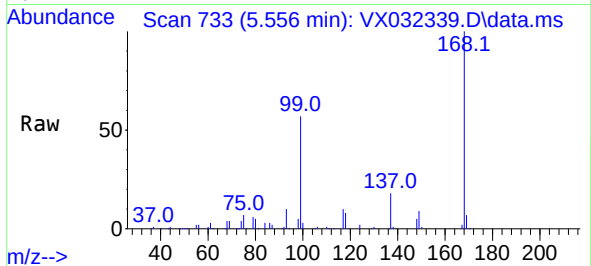




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

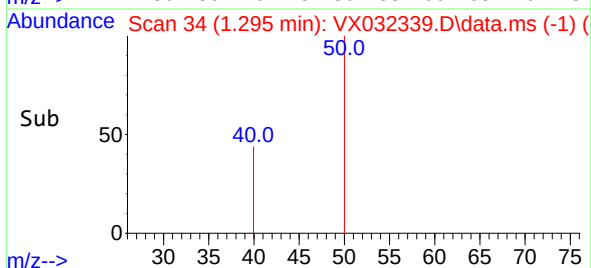
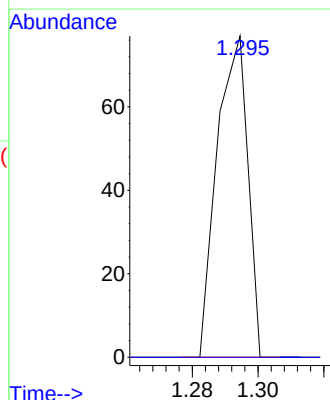
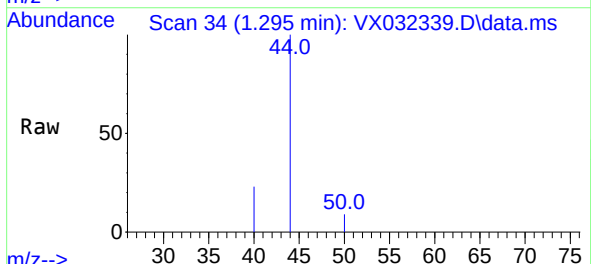
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

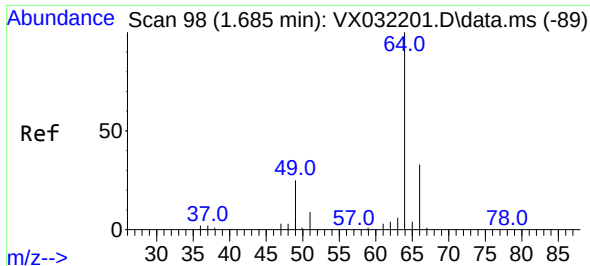
Tgt Ion:168 Resp: 131764  
Ion Ratio Lower Upper  
168 100  
99 56.7 44.8 67.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.295 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Tgt Ion: 50 Resp: 50  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.7 37.1#

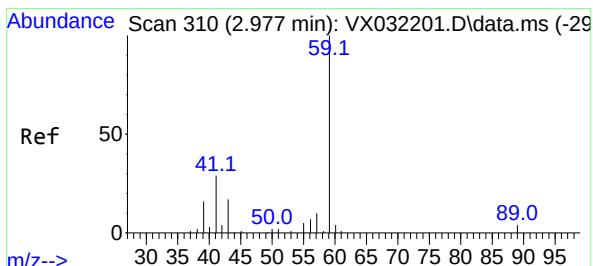
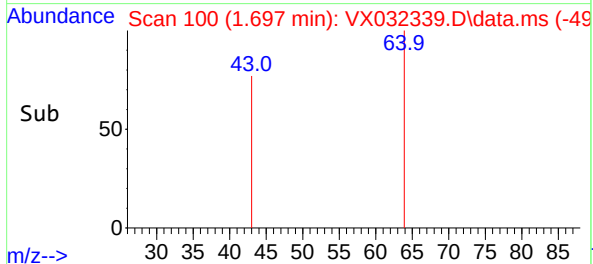
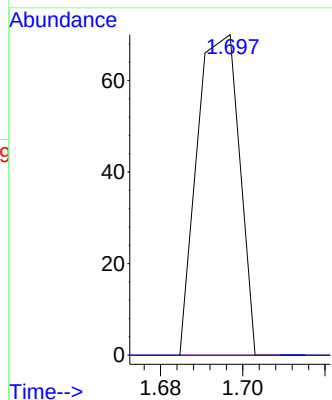
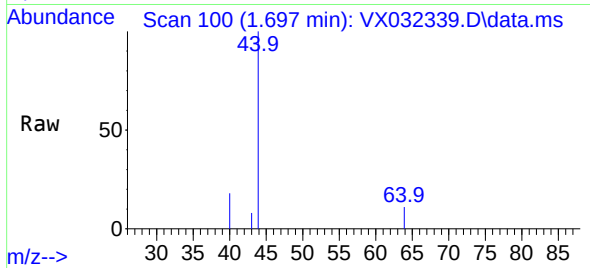




#6  
Chloroethane  
Concen: 1.990 ug/l  
RT: 1.697 min Scan# 10  
Delta R.T. 0.012 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

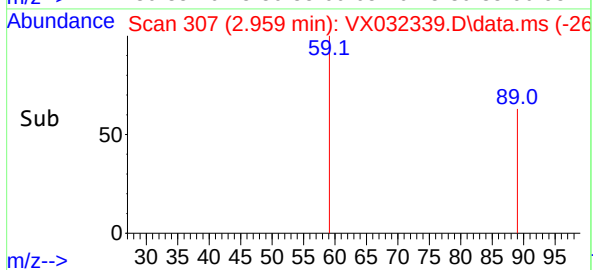
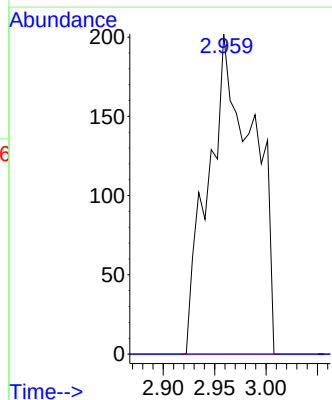
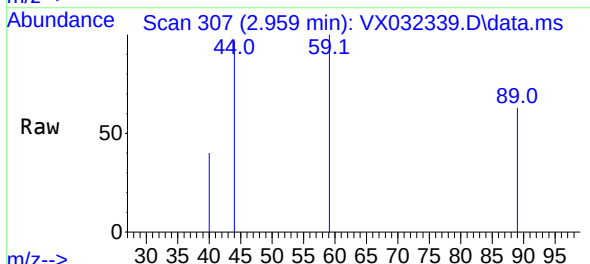
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

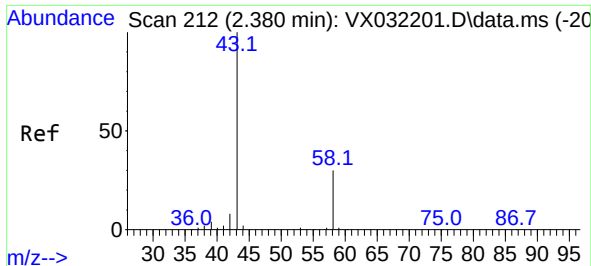
Tgt Ion: 64 Resp: 50  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.6 39.8#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.959 min Scan# 307  
Delta R.T. -0.018 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Tgt Ion: 59 Resp: 619  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.5 11.3#

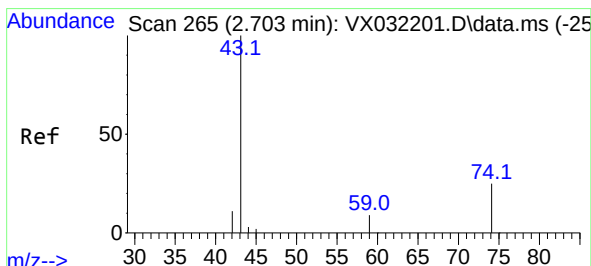
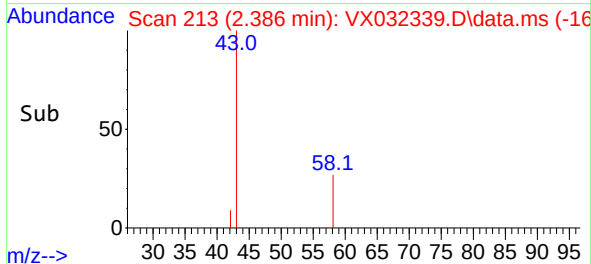
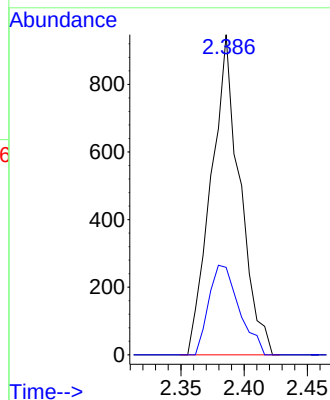
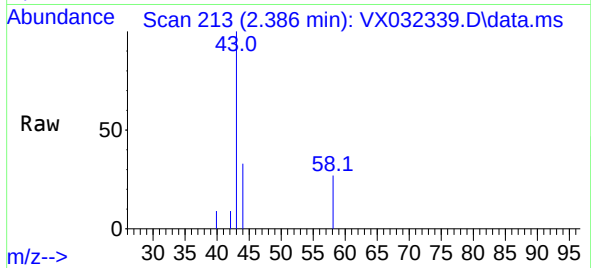




#16  
Acetone  
Concen: 2.693 ug/l  
RT: 2.386 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

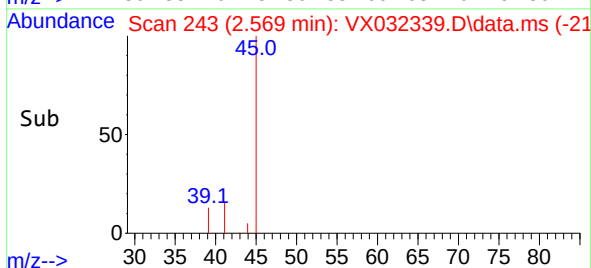
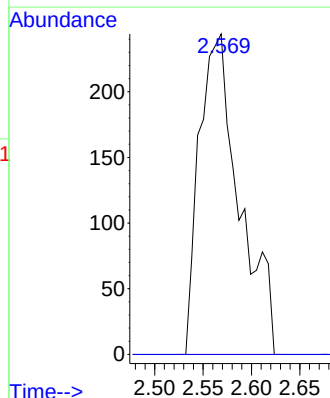
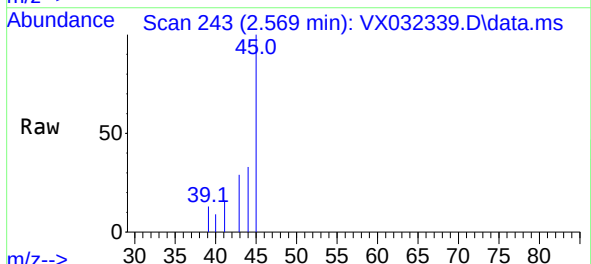
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

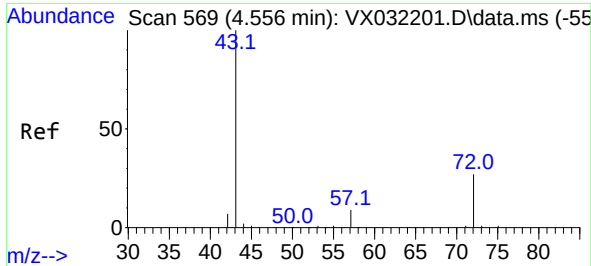
Tgt Ion: 43 Resp: 1498  
Ion Ratio Lower Upper  
43 100  
58 27.3 24.2 36.2



#18  
Methyl Acetate  
Concen: 0.373 ug/l  
RT: 2.569 min Scan# 243  
Delta R.T. -0.134 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Tgt Ion: 43 Resp: 705  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.8 29.8#





#25

2-Butanone

Concen: 0.307 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX032339.D

Acq: 24 Oct 2022 14:47

Instrument :

MSVOA\_X

ClientSampleId :

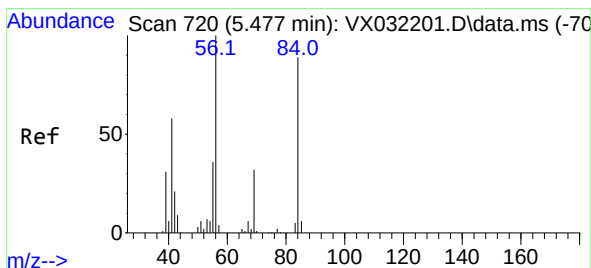
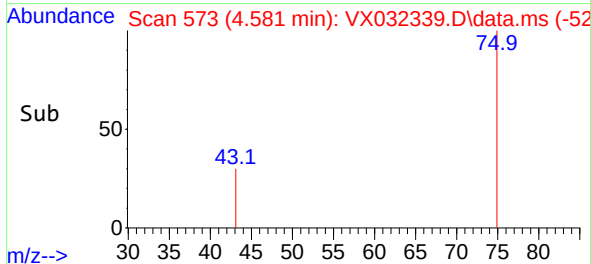
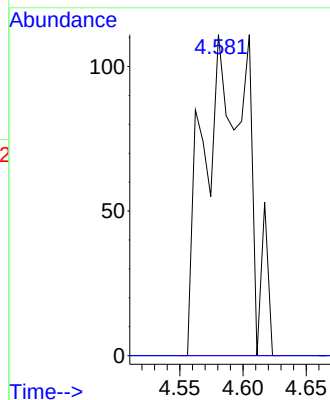
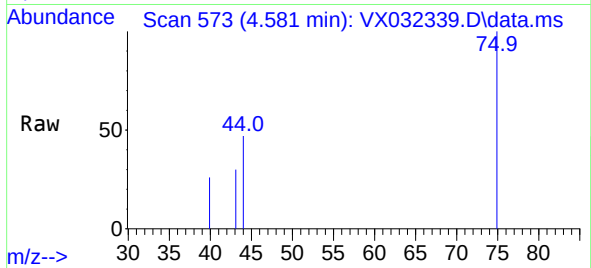
FSND-RB-20221018

Tgt Ion: 43 Resp: 267

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.452 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX032339.D

Acq: 24 Oct 2022 14:47

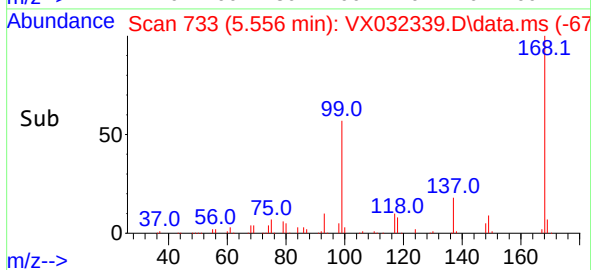
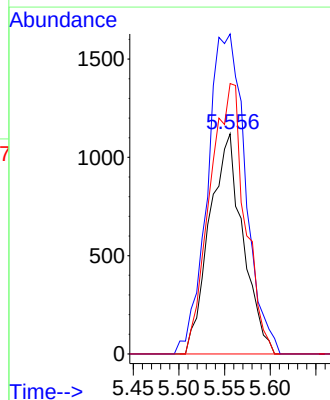
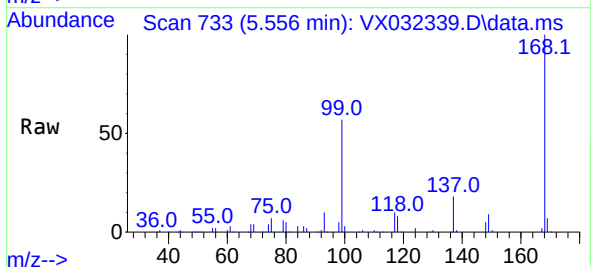
Tgt Ion: 56 Resp: 2845

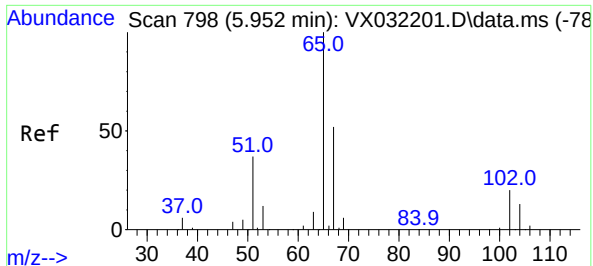
Ion Ratio Lower Upper

56 100

69 145.4 25.4 38.0#

84 122.9 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 46.698 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032339.D

Acq: 24 Oct 2022 14:47

Instrument :

MSVOA\_X

ClientSampleId :

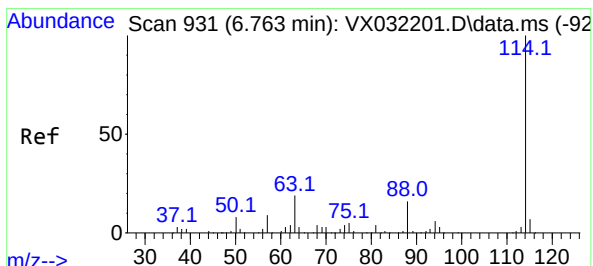
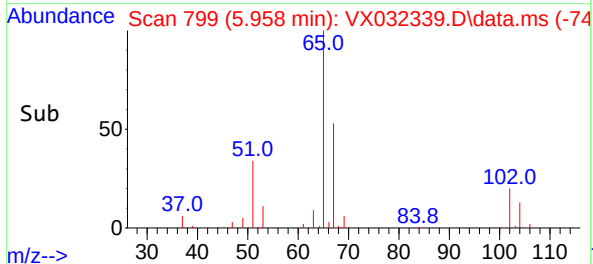
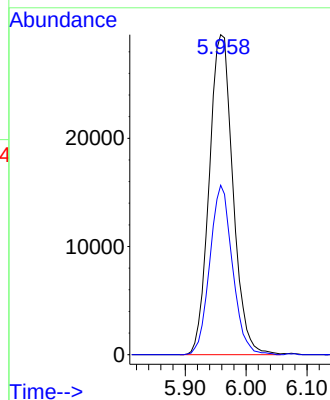
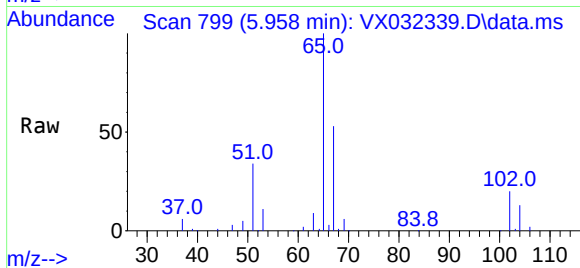
FSND-RB-20221018

Tgt Ion: 65 Resp: 80046

Ion Ratio Lower Upper

65 100

67 50.5 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: VX032339.D

Acq: 24 Oct 2022 14:47

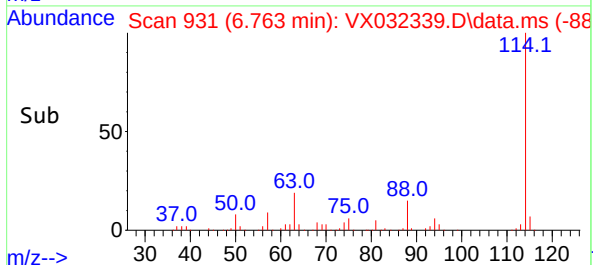
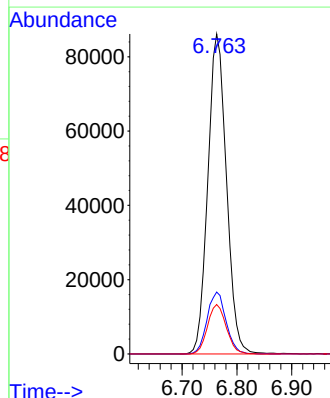
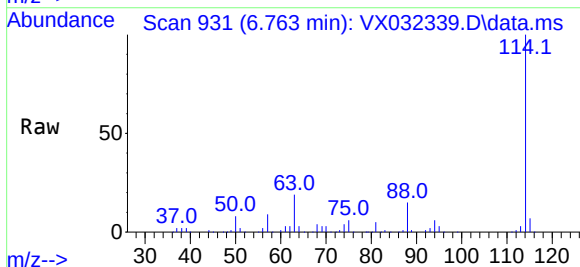
Tgt Ion: 114 Resp: 203153

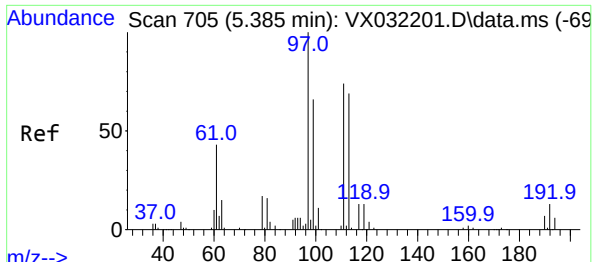
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

88 15.5 0.0 32.6

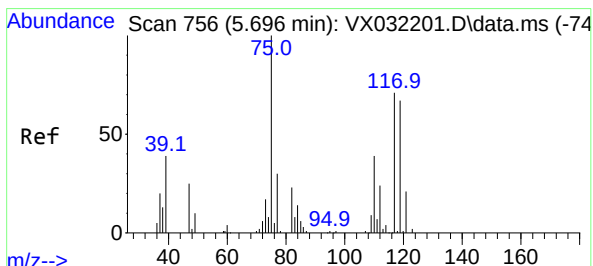
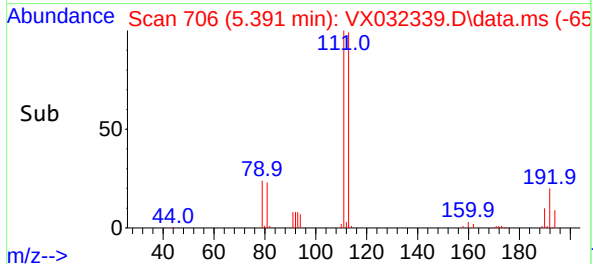
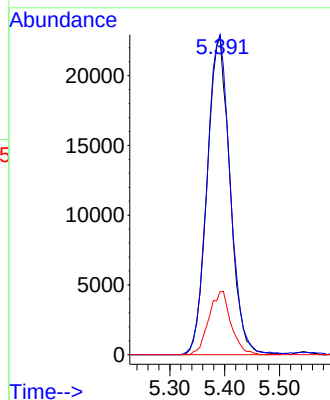
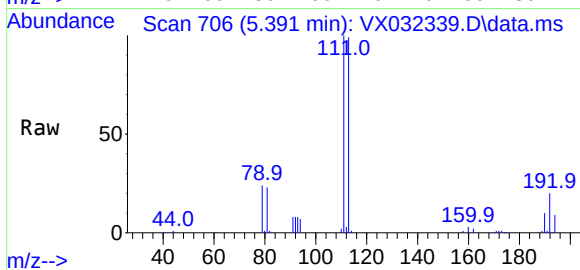




#35  
Dibromofluoromethane  
Concen: 46.453 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

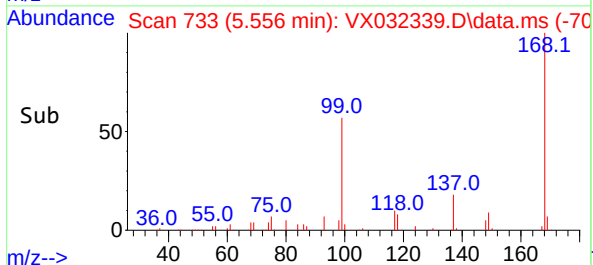
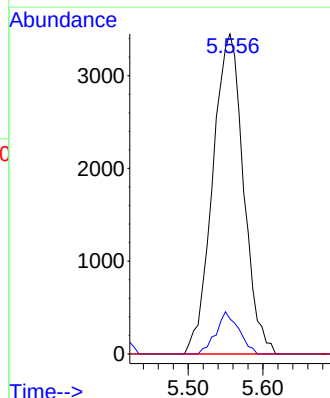
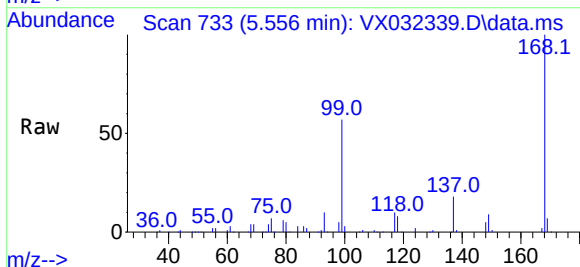
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

Tgt Ion:113 Resp: 65670  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.8 124.2  
192 19.3 15.5 23.3

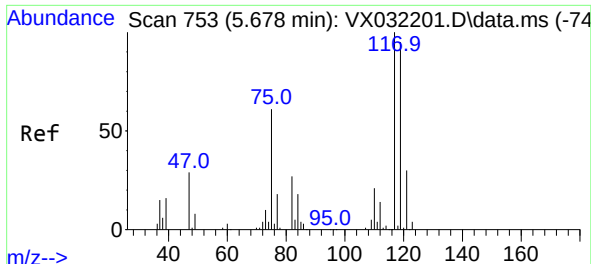


#36  
1,1-Dichloropropene  
Concen: 5.441 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.140 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Tgt Ion: 75 Resp: 9894  
Ion Ratio Lower Upper  
75 100  
110 9.7 18.4 55.0#  
77 0.0 24.7 37.1#

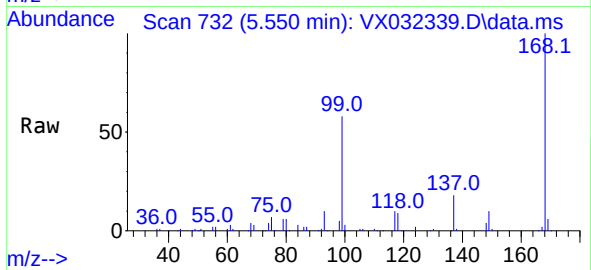




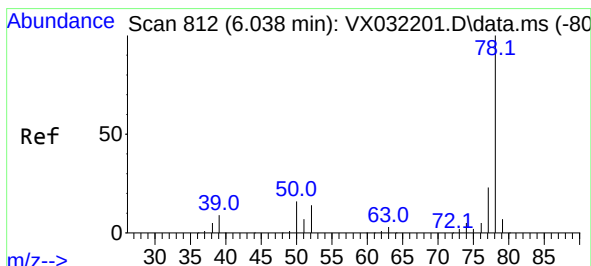
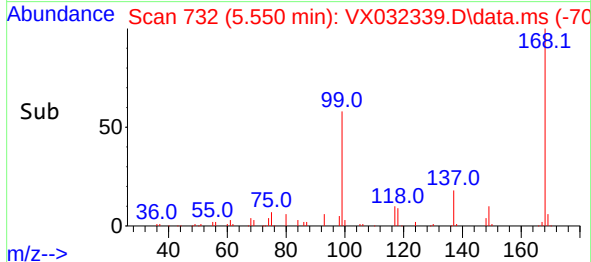
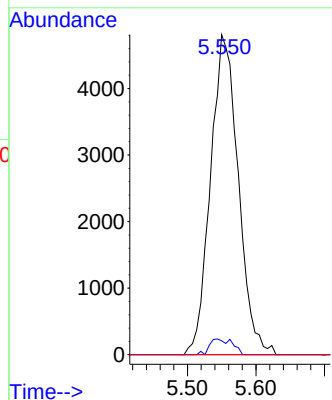


#38  
Carbon Tetrachloride  
Concen: 7.054 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

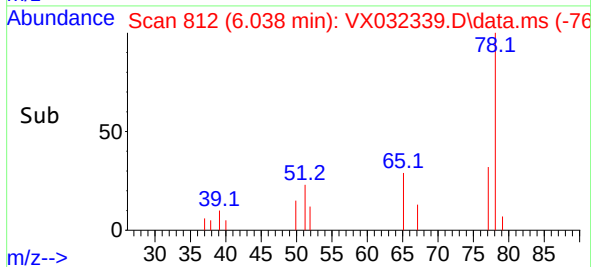
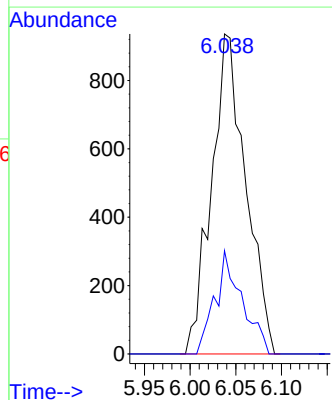
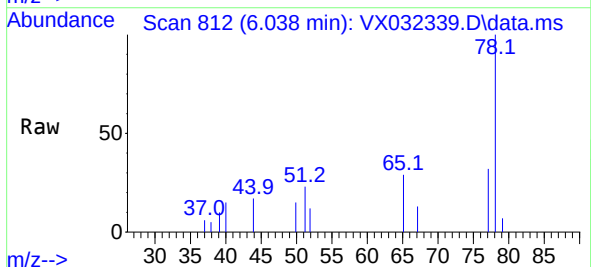


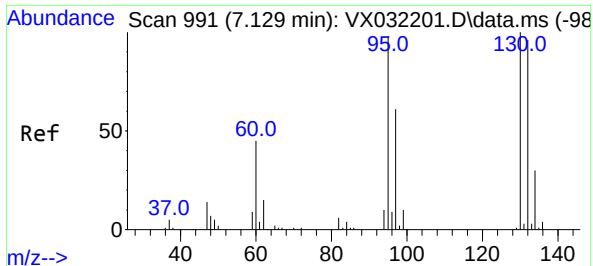
Tgt Ion:117 Resp: 13542  
Ion Ratio Lower Upper  
117 100  
119 4.3 75.4 113.0#  
121 0.0 23.9 35.9#



#40  
Benzene  
Concen: 0.464 ug/l  
RT: 6.038 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Tgt Ion: 78 Resp: 2443  
Ion Ratio Lower Upper  
78 100  
77 32.3 18.6 27.8#

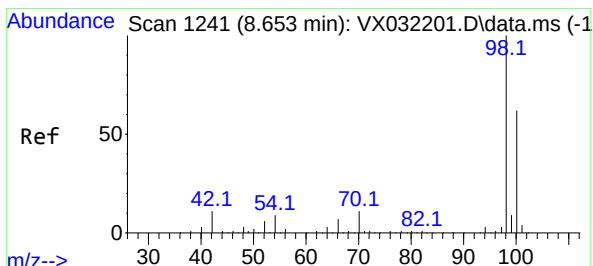
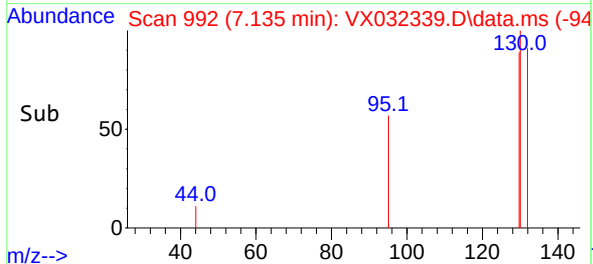
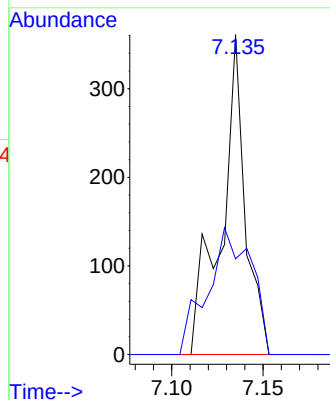
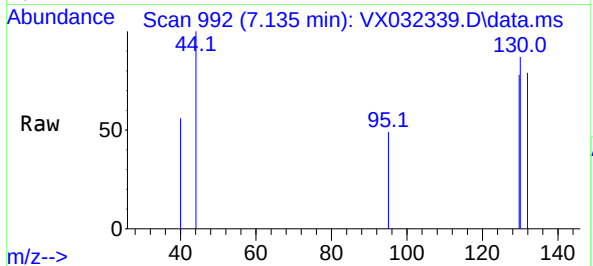




#44  
Trichloroethene  
Concen: 0.229 ug/l  
RT: 7.135 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

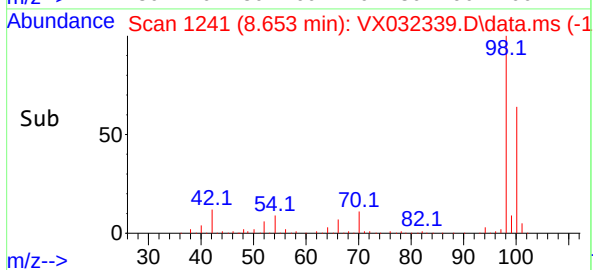
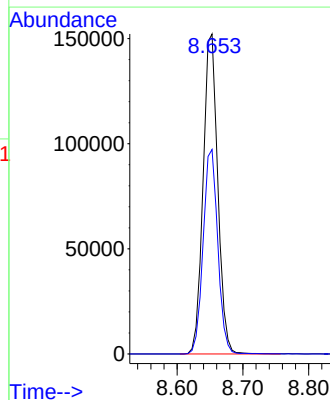
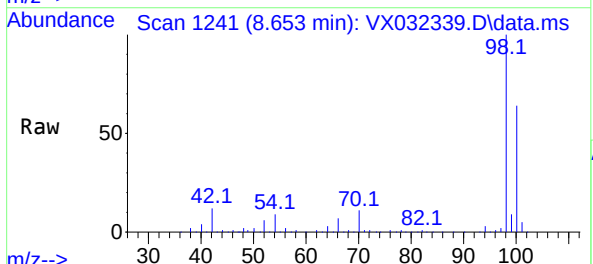
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

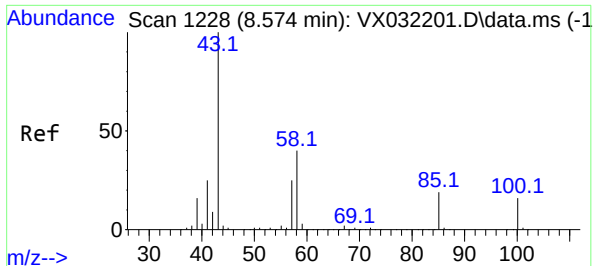
Tgt Ion:130 Resp: 332  
Ion Ratio Lower Upper  
130 100  
95 29.9 0.0 196.8



#50  
Toluene-d8  
Concen: 46.396 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Tgt Ion: 98 Resp: 236100  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.625 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032339.D

Acq: 24 Oct 2022 14:47

Instrument :

MSVOA\_X

ClientSampleId :

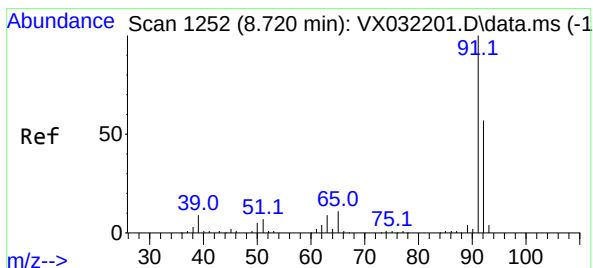
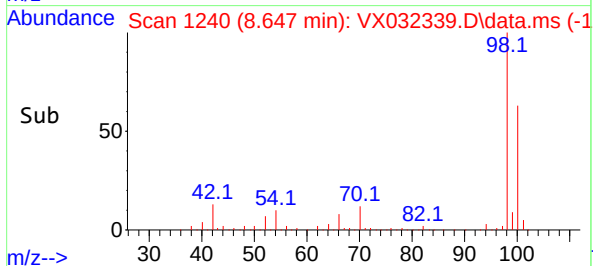
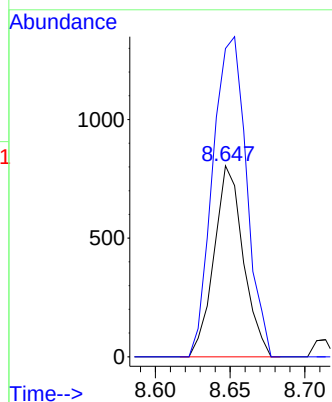
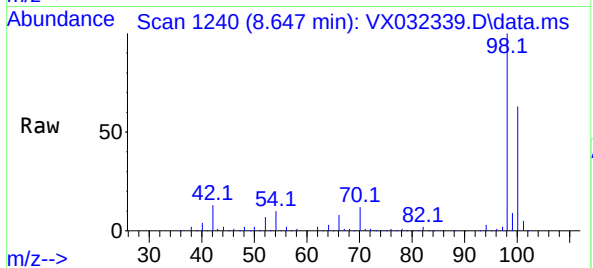
FSND-RB-20221018

Tgt Ion: 43 Resp: 1095

Ion Ratio Lower Upper

43 100

58 193.2 31.0 46.4#



#52

Toluene

Concen: 3.101 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX032339.D

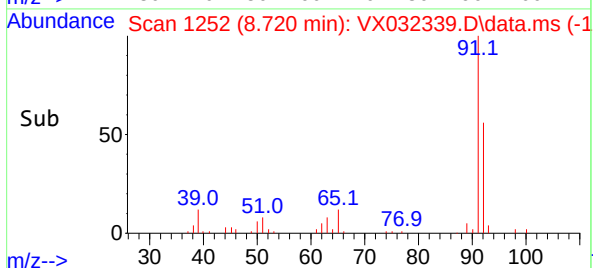
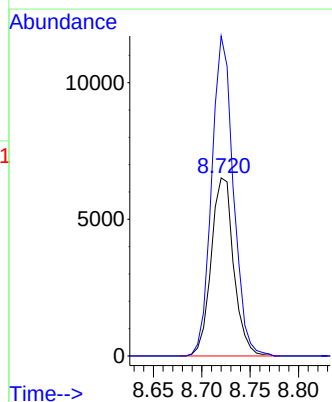
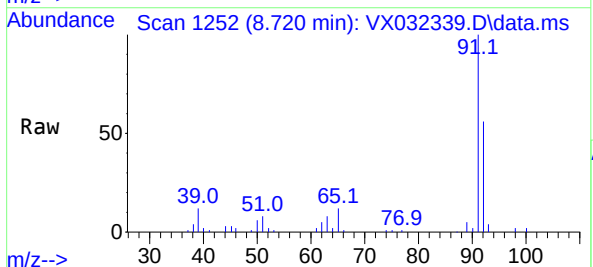
Acq: 24 Oct 2022 14:47

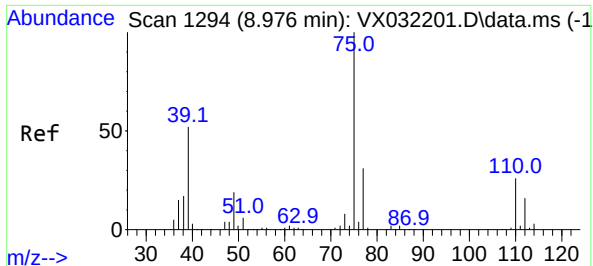
Tgt Ion: 92 Resp: 10587

Ion Ratio Lower Upper

92 100

91 172.8 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 1.888 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.256 min

Lab File: VX032339.D

Acq: 24 Oct 2022 14:47

Instrument :

MSVOA\_X

ClientSampleId :

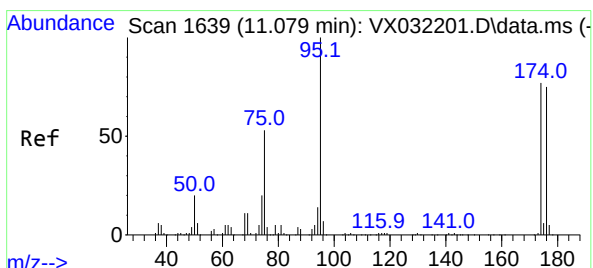
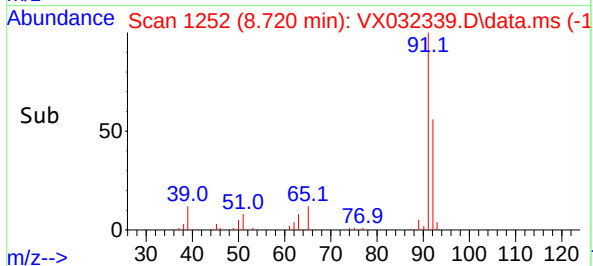
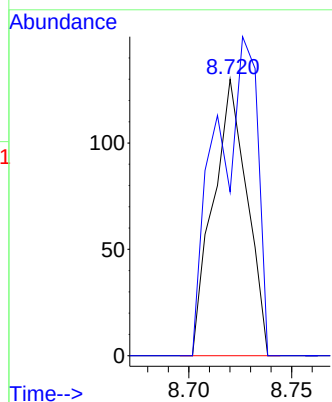
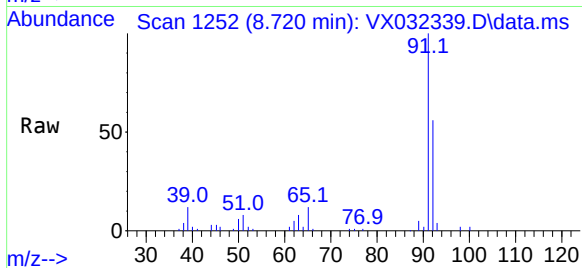
FSND-RB-20221018

Tgt Ion: 75 Resp: 149

Ion Ratio Lower Upper

75 100

77 59.2 25.2 37.8#



#62

4-Bromofluorobenzene

Concen: 43.384 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032339.D

Acq: 24 Oct 2022 14:47

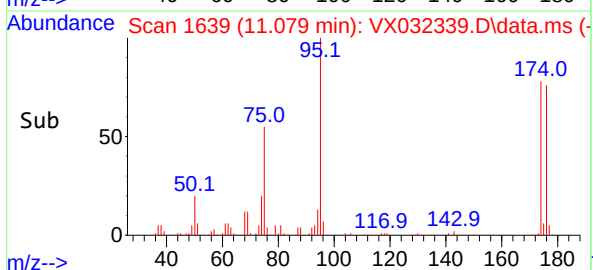
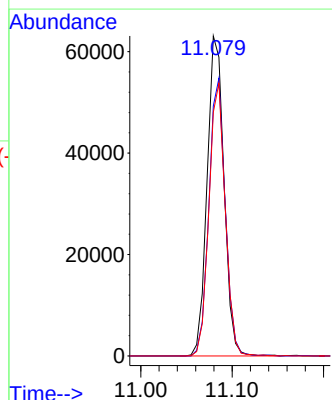
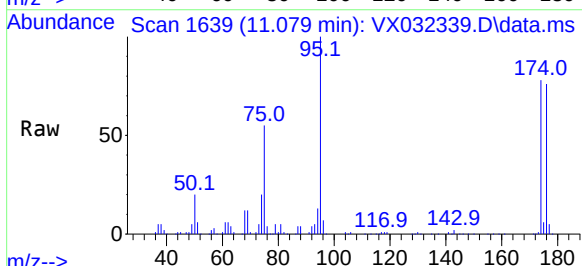
Tgt Ion: 95 Resp: 80844

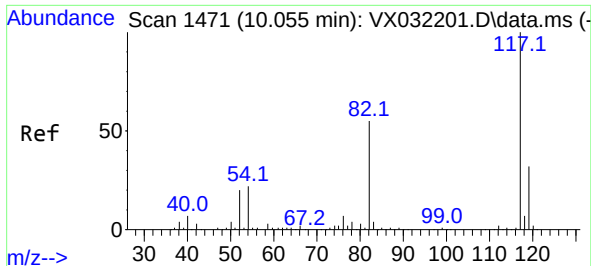
Ion Ratio Lower Upper

95 100

174 83.8 0.0 166.8

176 82.2 0.0 161.4

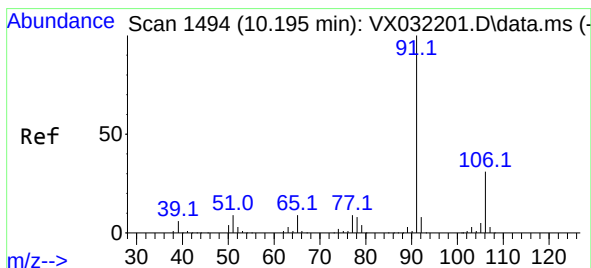
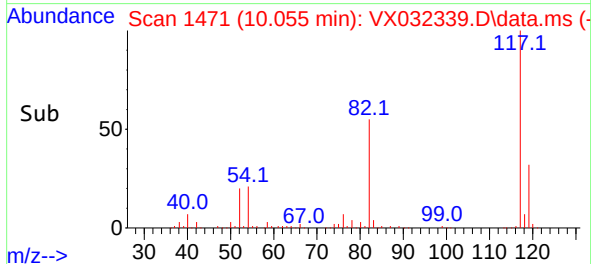
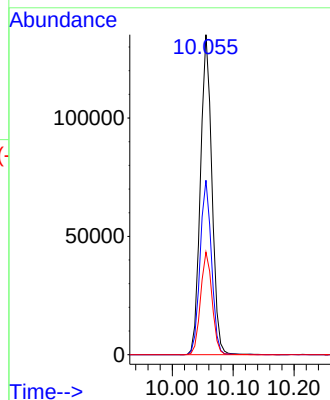
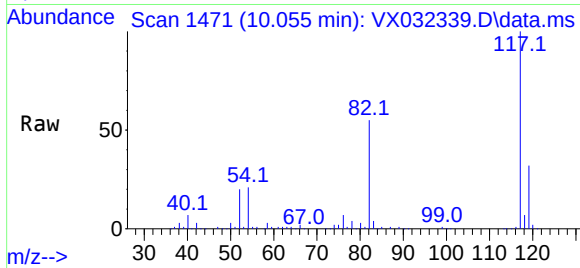




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

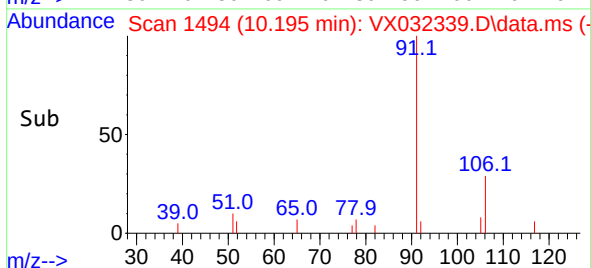
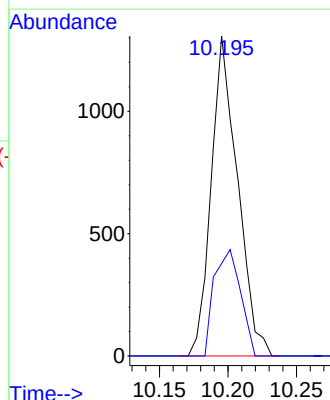
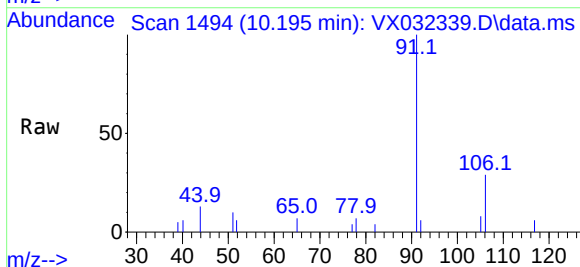
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

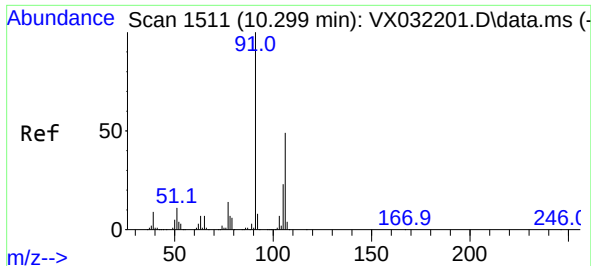
Tgt Ion:117 Resp: 176569  
Ion Ratio Lower Upper  
117 100  
82 54.5 44.2 66.4  
119 32.0 25.8 38.8



#67  
Ethyl Benzene  
Concen: 0.273 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Tgt Ion: 91 Resp: 1747  
Ion Ratio Lower Upper  
91 100  
106 28.9 25.0 37.4

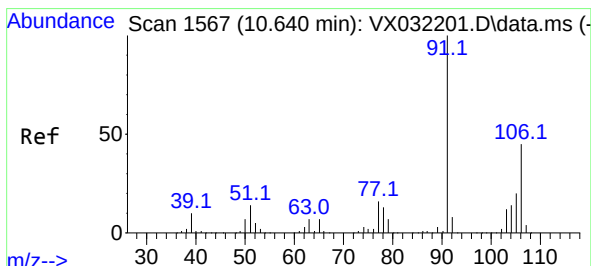
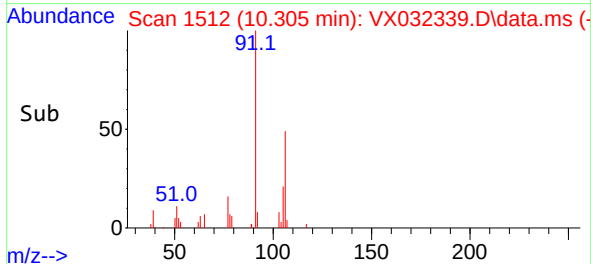
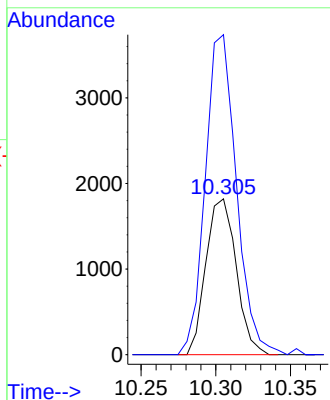
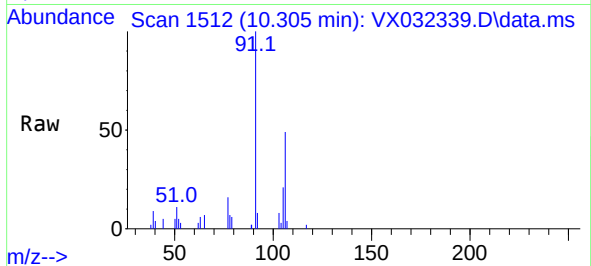




#68  
m/p-Xylenes  
Concen: 1.013 ug/l  
RT: 10.305 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

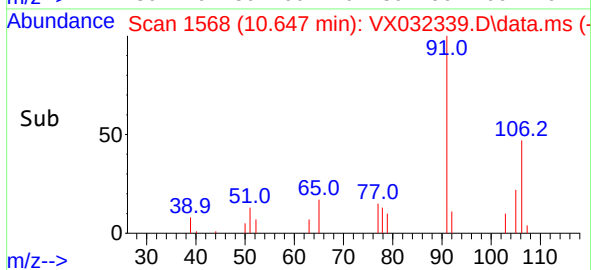
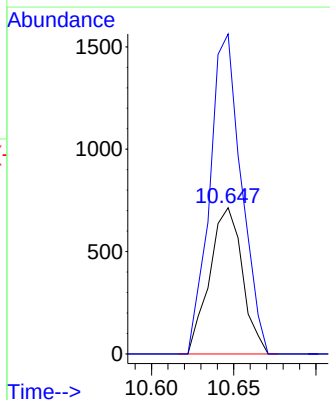
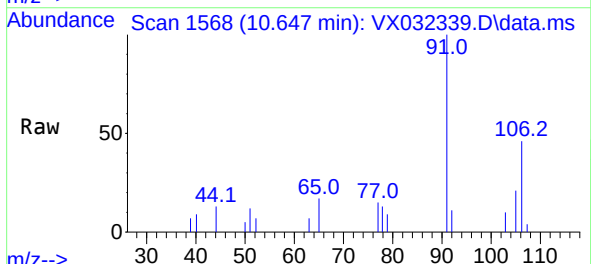
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

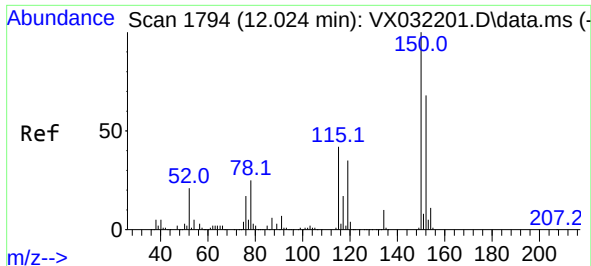
Tgt Ion:106 Resp: 2563  
Ion Ratio Lower Upper  
106 100  
91 211.4 162.6 244.0



#69  
o-Xylene  
Concen: 0.408 ug/l  
RT: 10.647 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Tgt Ion:106 Resp: 990  
Ion Ratio Lower Upper  
106 100  
91 211.4 108.3 324.9

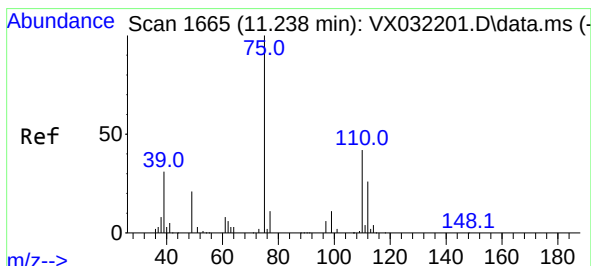
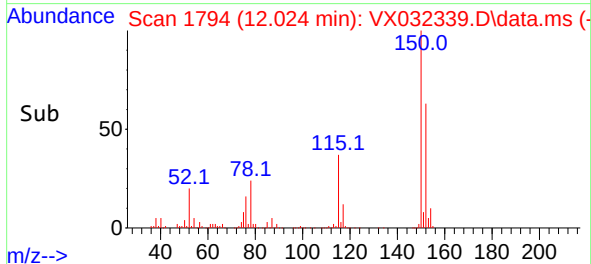
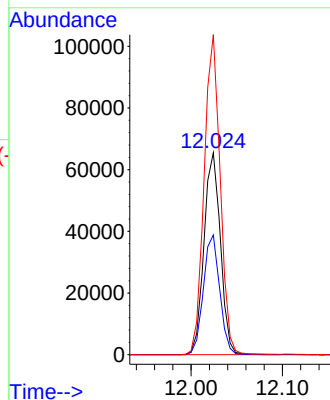
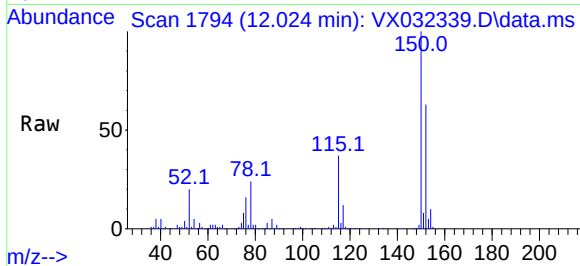




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX032339.D  
 Acq: 24 Oct 2022 14:47

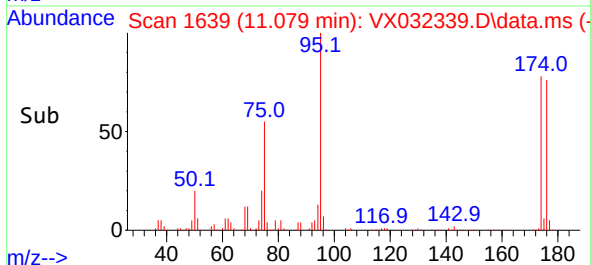
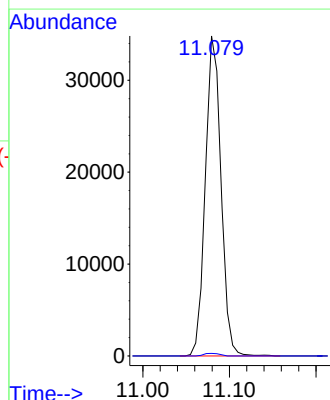
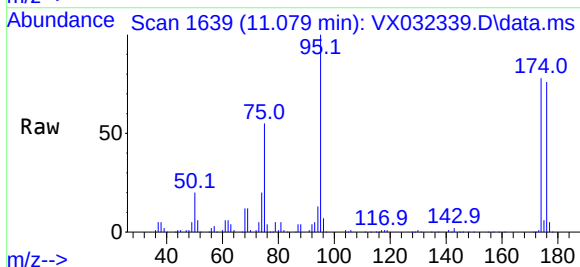
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-RB-20221018

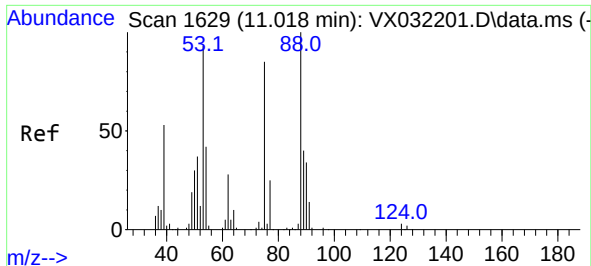
Tgt Ion:152 Resp: 81629  
 Ion Ratio Lower Upper  
 152 100  
 115 59.0 43.1 129.4  
 150 155.2 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 27.076 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX032339.D  
 Acq: 24 Oct 2022 14:47

Tgt Ion: 75 Resp: 43793  
 Ion Ratio Lower Upper  
 75 100  
 77 0.8 16.0 47.9#

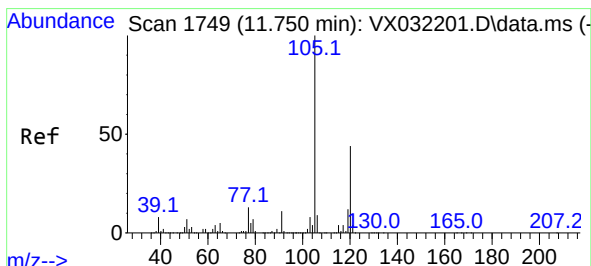
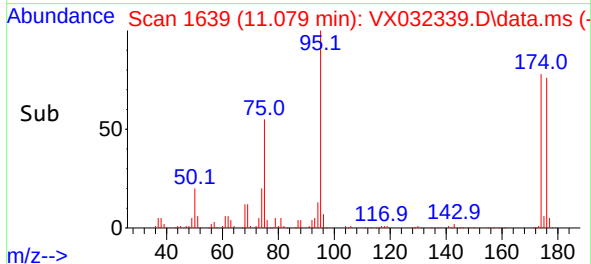
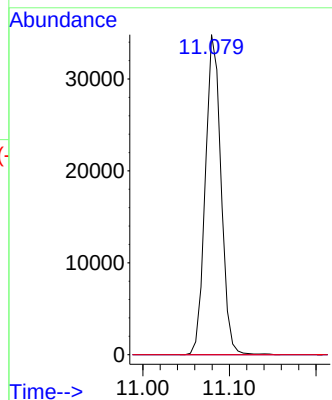
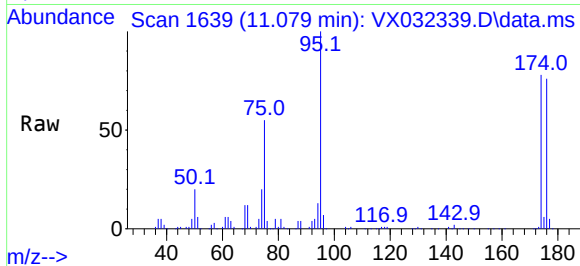




#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.128 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

Tgt Ion: 75 Resp: 43793  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.8 131.8#  
89 0.0 37.8 56.8#



#84  
1,2,4-Trimethylbenzene  
Concen: 0.239 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VX032339.D  
Acq: 24 Oct 2022 14:47

Tgt Ion: 105 Resp: 1171  
Ion Ratio Lower Upper  
105 100  
120 38.9 22.1 66.1

