

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092225\  
 Data File : VX047708.D  
 Acq On : 22 Sep 2025 16:32  
 Operator : JC/MD  
 Sample : Q3136-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 34922

Quant Time: Sep 23 01:37:43 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 2025  
 Response via : Initial Calibration

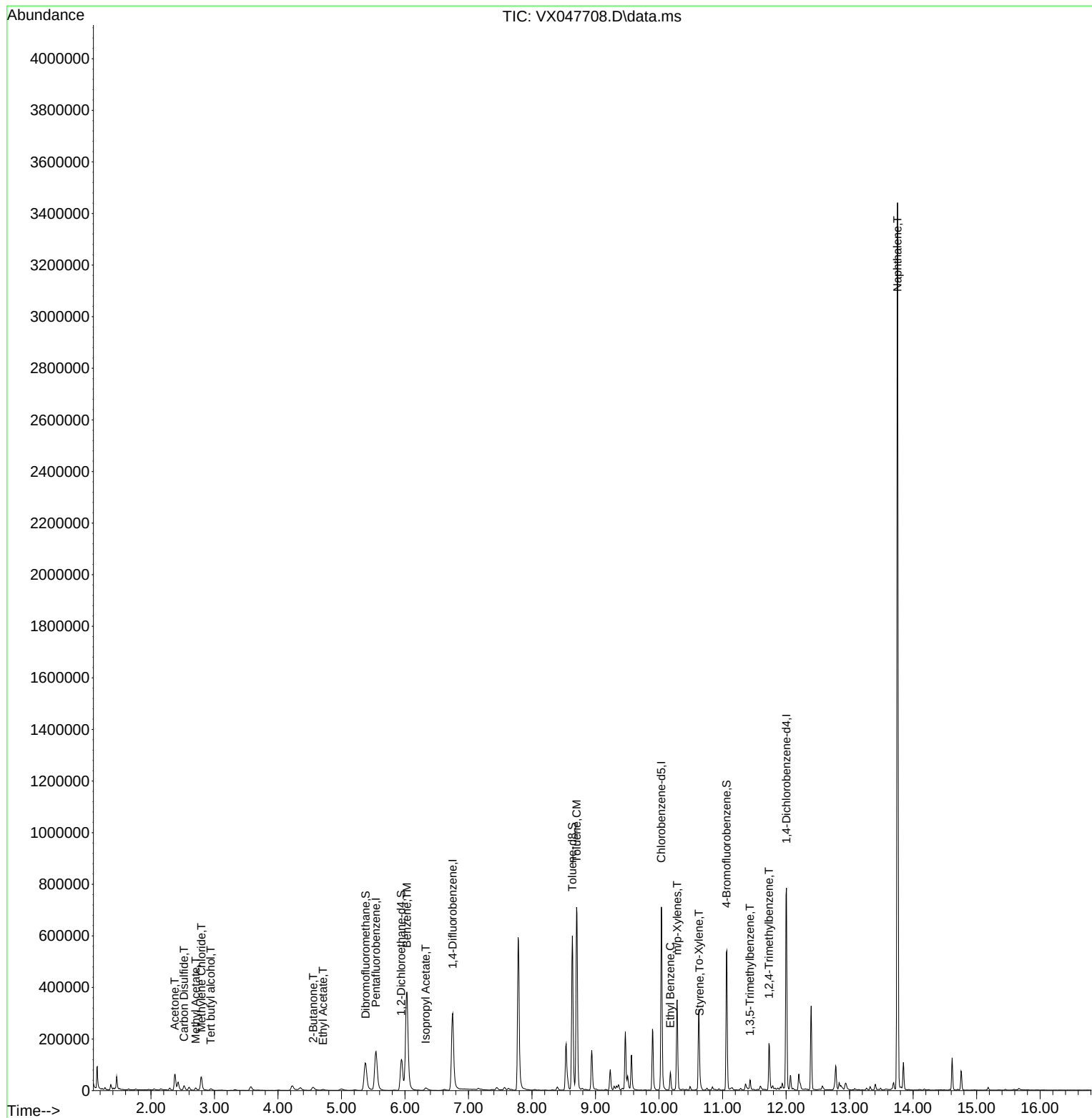
| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 5.544          | 168  | 151429              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.751          | 114  | 315549              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.037         | 117  | 315662              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.006         | 152  | 164905              | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.940          | 65   | 129583              | 53.761  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = 107.520% |         |        |          |
| 35) Dibromofluoromethane    | 5.379          | 113  | 106125              | 50.148  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 100.300% |         |        |          |
| 50) Toluene-d8              | 8.634          | 98   | 360536              | 49.236  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = 98.480%  |         |        |          |
| 62) 4-Bromofluorobenzene    | 11.061         | 95   | 156623              | 56.358  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 112.720% |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         |        | Qvalue   |
| 11) Tert butyl alcohol      | 2.940          | 59   | 6974                | 25.979  | ug/l   | 99       |
| 16) Acetone                 | 2.373          | 43   | 81585               | 77.846  | ug/l   | 99       |
| 17) Carbon Disulfide        | 2.520          | 76   | 8326                | 1.690   | ug/l   | 96       |
| 18) Methyl Acetate          | 2.703          | 43   | 12396               | 5.315   | ug/l   | 97       |
| 20) Methylene Chloride      | 2.794          | 84   | 26606               | 11.993  | ug/l   | 92       |
| 25) 2-Butanone              | 4.556          | 43   | 24150               | 18.473  | ug/l   | 99       |
| 37) Ethyl Acetate           | 4.708          | 43   | 7898                | 2.385   | ug/l # | 92       |
| 40) Benzene                 | 6.031          | 78   | 500484              | 53.287  | ug/l   | 100      |
| 43) Isopropyl Acetate       | 6.324          | 43   | 11726               | 2.159   | ug/l   | 97       |
| 52) Toluene                 | 8.702          | 92   | 281852              | 48.708  | ug/l   | 99       |
| 67) Ethyl Benzene           | 10.177         | 91   | 39618               | 3.202   | ug/l   | 100      |
| 68) m/p-Xylenes             | 10.287         | 106  | 82042               | 17.814  | ug/l   | 99       |
| 69) o-Xylene                | 10.628         | 106  | 61296               | 13.760  | ug/l   | 98       |
| 70) Styrene                 | 10.640         | 104  | 20321               | 2.603   | ug/l # | 60       |
| 80) 1,3,5-Trimethylbenzene  | 11.433         | 105  | 16648               | 1.616   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 11.731         | 105  | 66781               | 6.395   | ug/l   | 71       |
| 95) Naphthalene             | 13.756         | 128  | 1997437             | 184.716 | ug/l   | 100      |
| -----                       |                |      |                     |         |        |          |

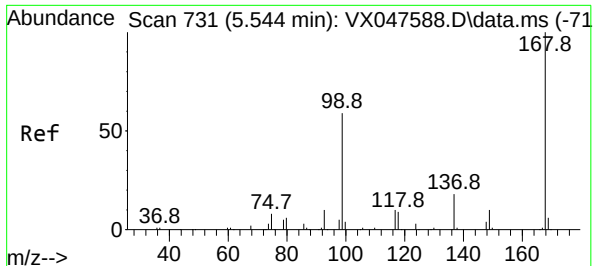
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092225\  
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Sample : Q3136-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
34922

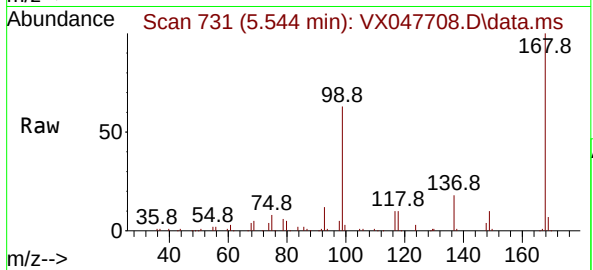
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 17 06:39:58 2025  
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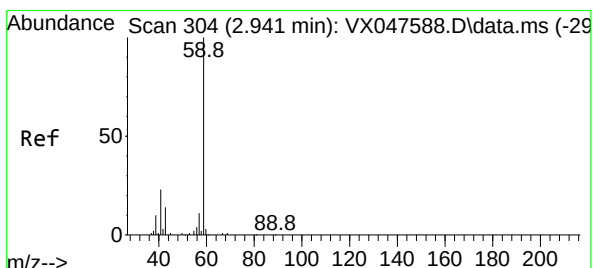
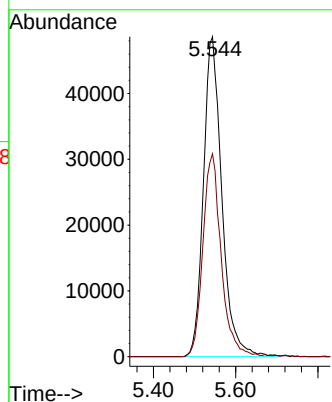
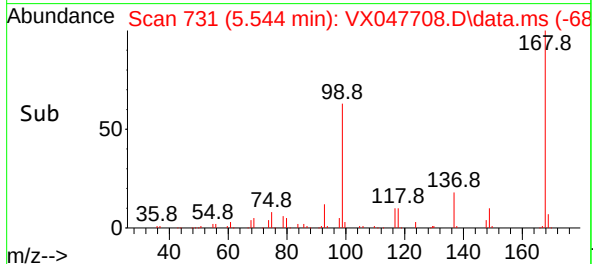


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
34922

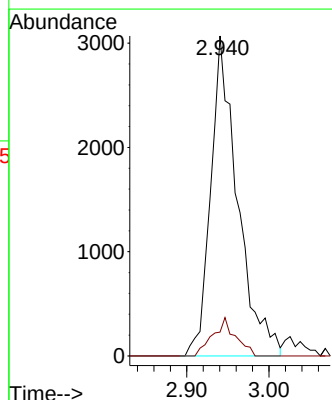
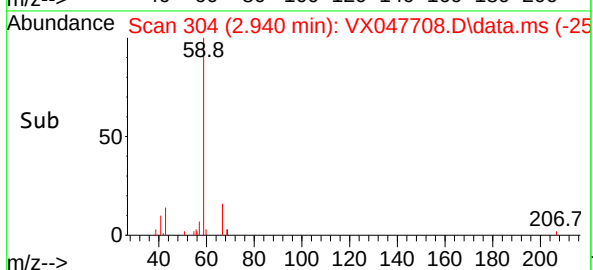
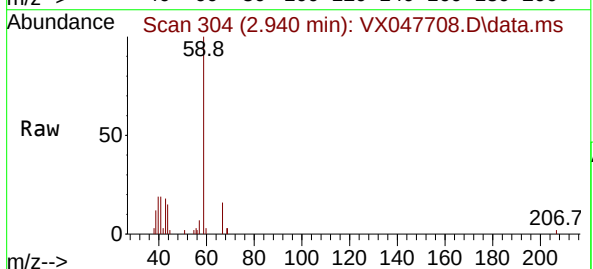


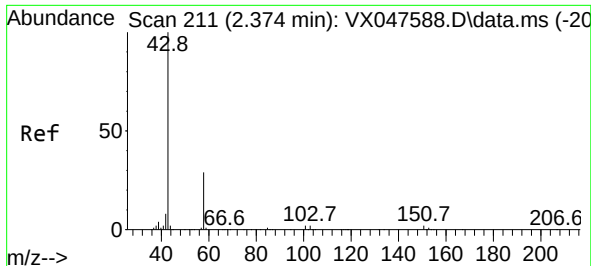
Tgt Ion:168 Resp: 151429  
Ion Ratio Lower Upper  
168 100  
99 63.4 48.8 73.2



#11  
Tert butyl alcohol  
Concen: 25.979 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

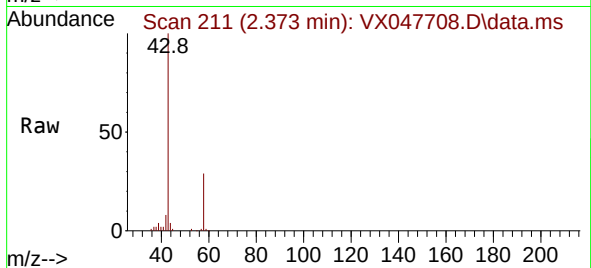
Tgt Ion: 59 Resp: 6974  
Ion Ratio Lower Upper  
59 100  
57 10.0 8.3 12.5



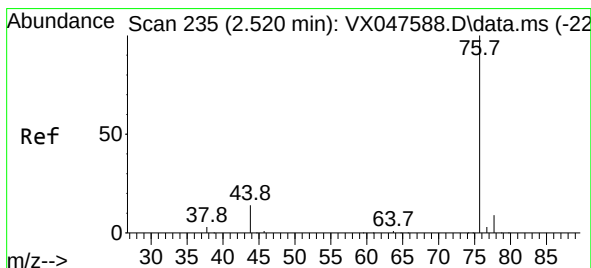
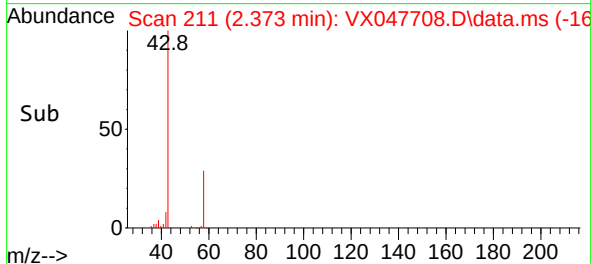
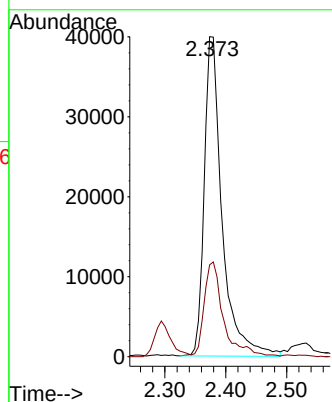


#16  
Acetone  
Concen: 77.846 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
34922

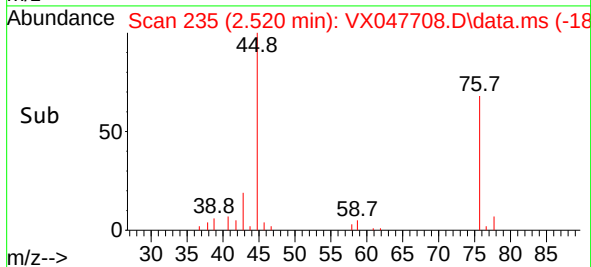
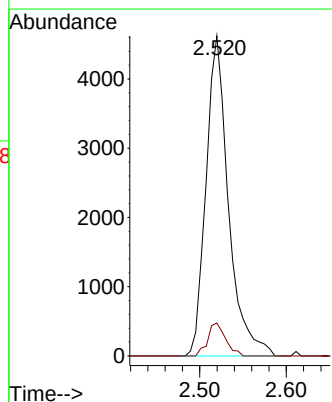
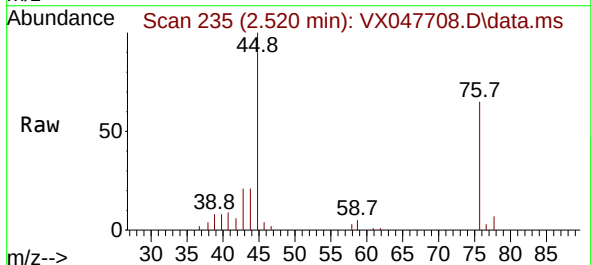


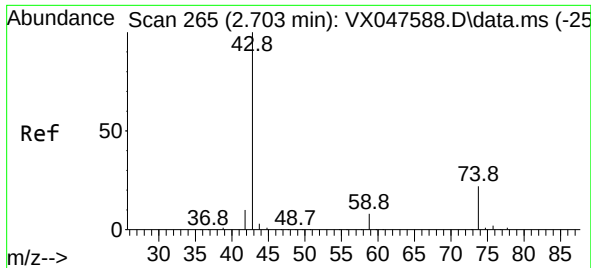
Tgt Ion: 43 Resp: 81585  
Ion Ratio Lower Upper  
43 100  
58 28.6 23.4 35.0



#17  
Carbon Disulfide  
Concen: 1.690 ug/l  
RT: 2.520 min Scan# 235  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Tgt Ion: 76 Resp: 8326  
Ion Ratio Lower Upper  
76 100  
78 9.9 6.8 10.2

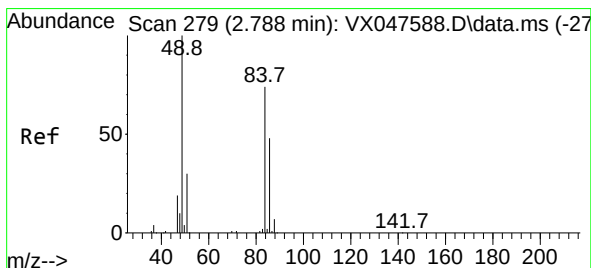
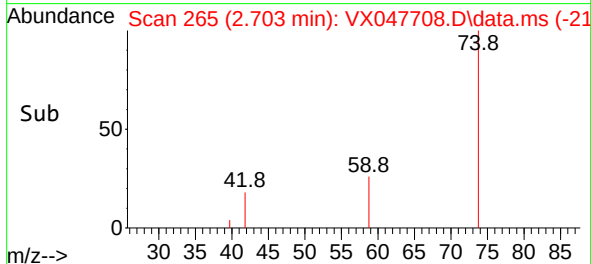
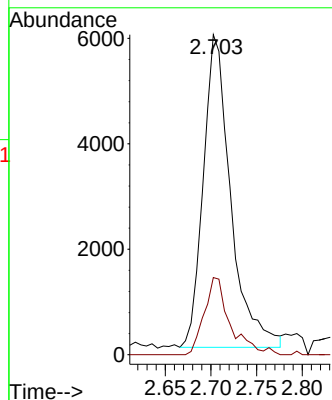
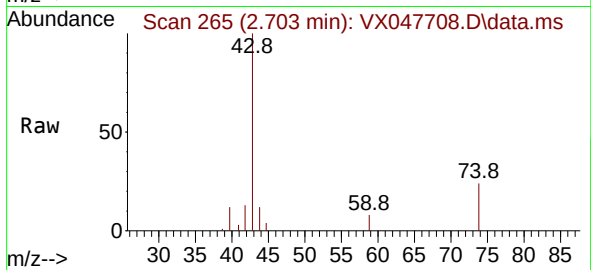




#18  
Methyl Acetate  
Concen: 5.315 ug/l  
RT: 2.703 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

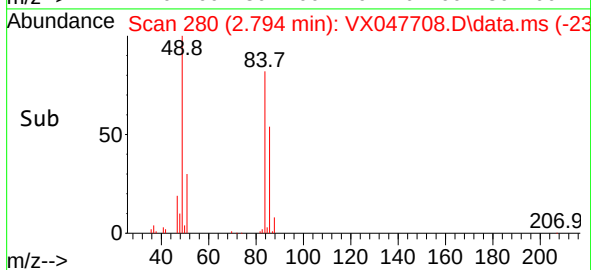
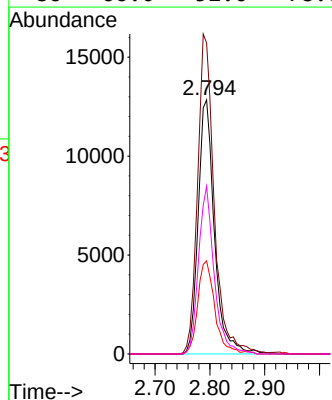
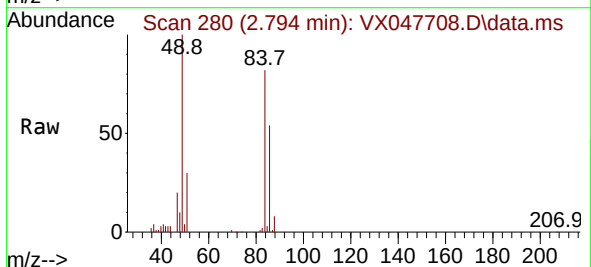
Instrument :  
MSVOA\_X  
ClientSampleId :  
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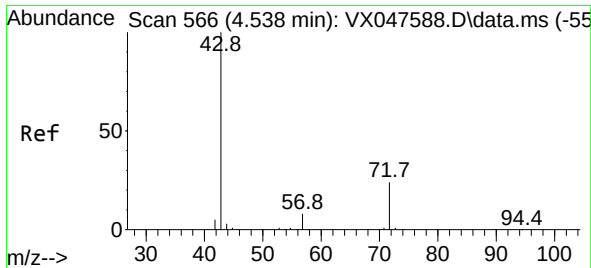
Tgt Ion: 43 Resp: 12396  
Ion Ratio Lower Upper  
43 100  
74 23.3 17.4 26.2



#20  
Methylene Chloride  
Concen: 11.993 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Tgt Ion: 84 Resp: 26606  
Ion Ratio Lower Upper  
84 100  
49 122.4 108.6 162.8  
51 36.7 32.6 48.8  
86 66.0 52.0 78.0

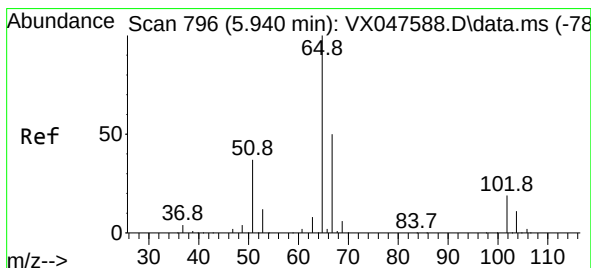
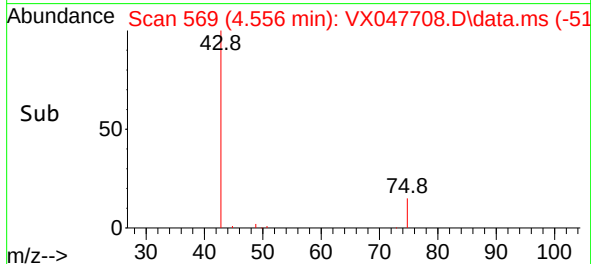
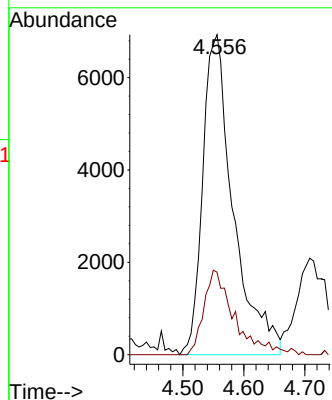
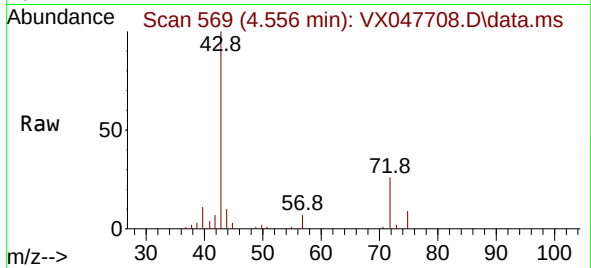




#25  
2-Butanone  
Concen: 18.473 ug/l  
RT: 4.556 min Scan# 569  
Delta R.T. 0.018 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

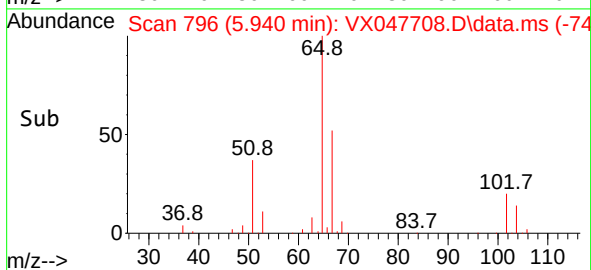
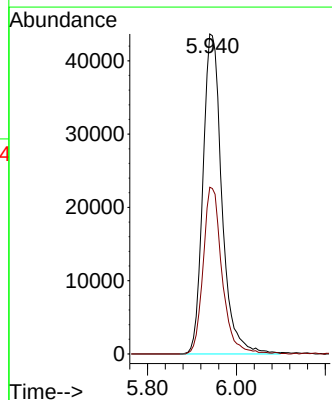
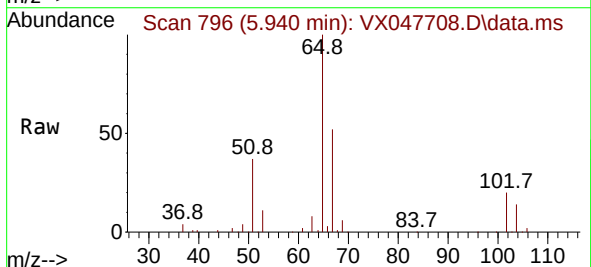
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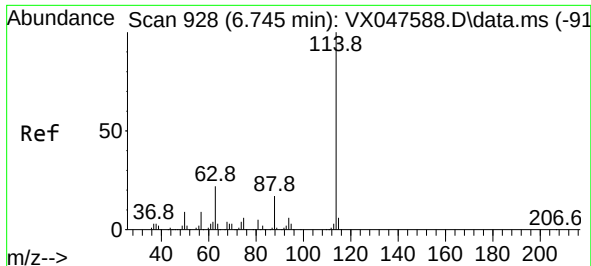
Tgt Ion: 43 Resp: 24150  
Ion Ratio Lower Upper  
43 100  
72 25.8 20.1 30.1



#33  
1,2-Dichloroethane-d4  
Concen: 53.761 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Tgt Ion: 65 Resp: 129583  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 103.0

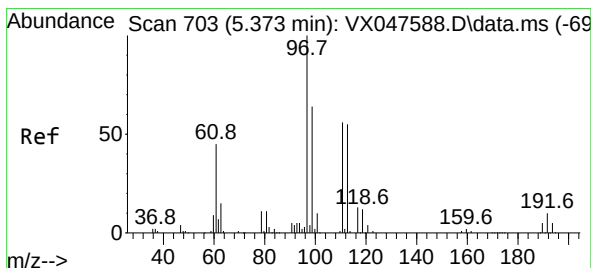
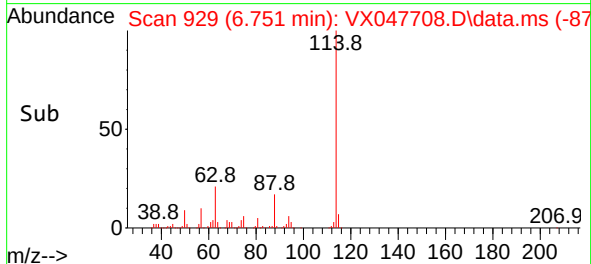
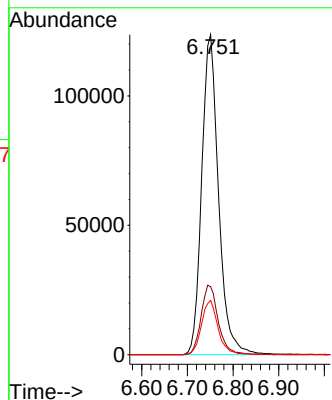
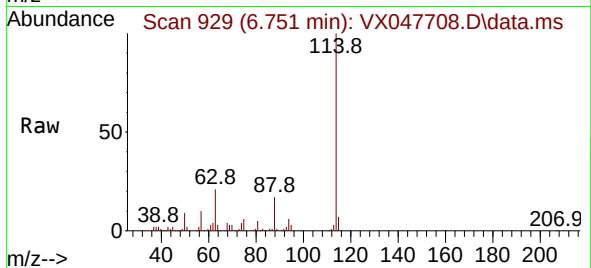




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.751 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

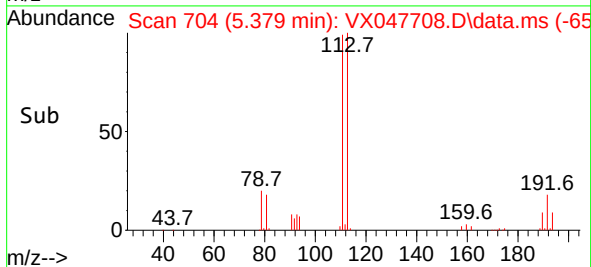
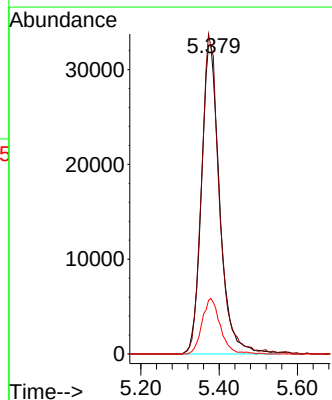
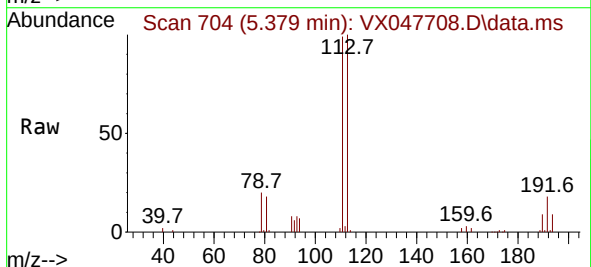
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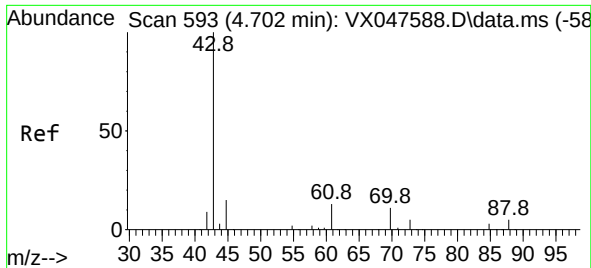
Tgt Ion:114 Resp: 315549  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 44.0  
88 17.0 0.0 34.2



#35  
Dibromofluoromethane  
Concen: 50.148 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Tgt Ion:113 Resp: 106125  
Ion Ratio Lower Upper  
113 100  
111 100.1 80.9 121.3  
192 17.8 14.2 21.4

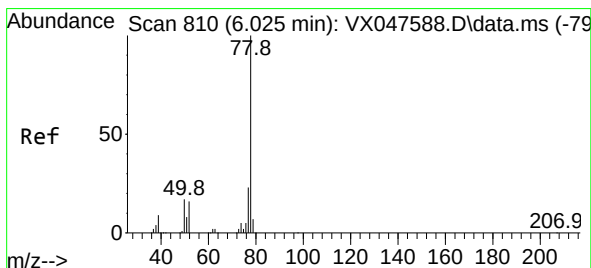
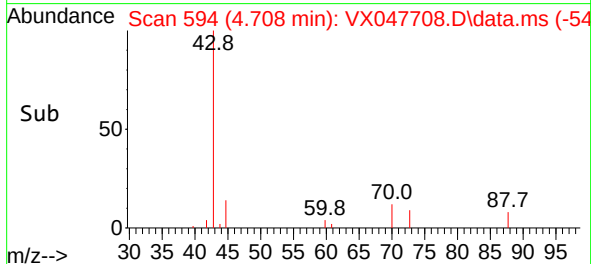
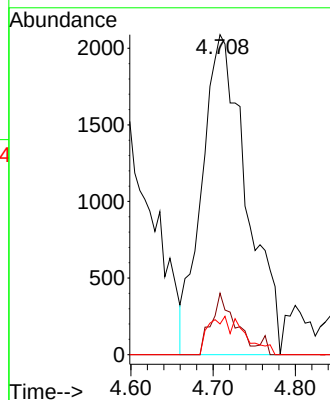
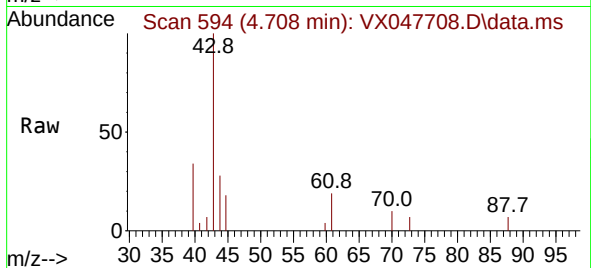




#37  
Ethyl Acetate  
Concen: 2.385 ug/l  
RT: 4.708 min Scan# 593  
Delta R.T. 0.006 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

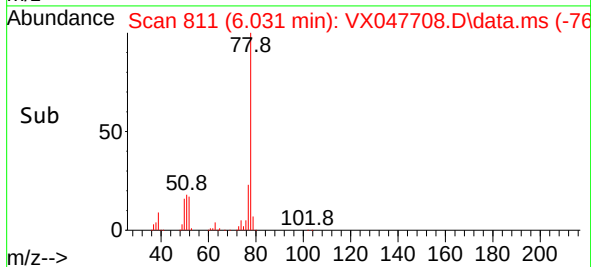
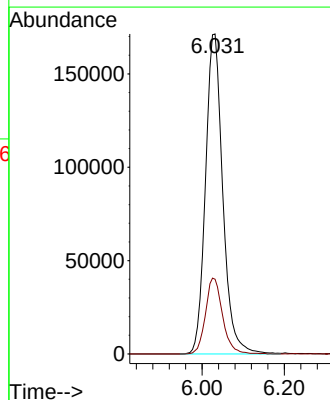
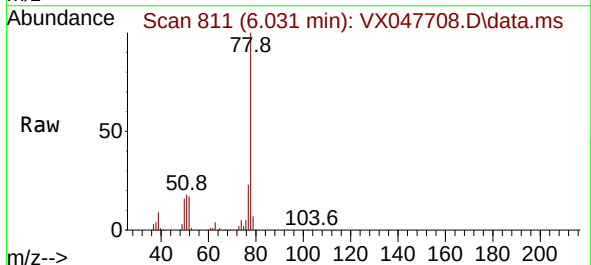
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ClientSampleId :  
34922

Tgt Ion: 43 Resp: 7898  
Ion Ratio Lower Upper  
43 100  
61 10.2 9.8 14.8  
70 5.5 7.9 11.9#

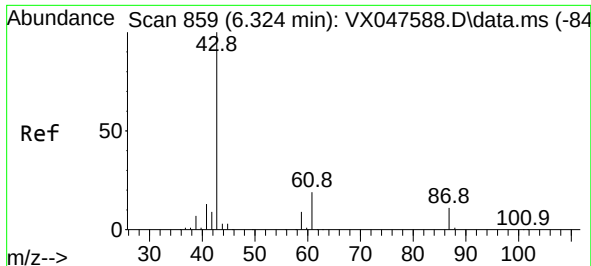


#40  
Benzene  
Concen: 53.287 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Tgt Ion: 78 Resp: 500484  
Ion Ratio Lower Upper  
78 100  
77 23.4 18.8 28.2



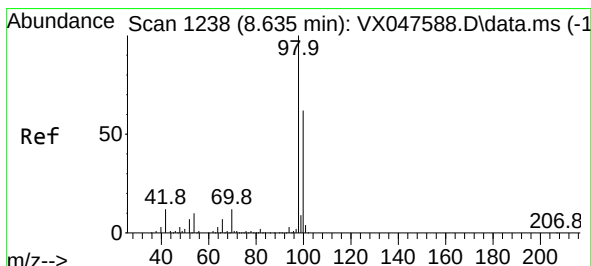
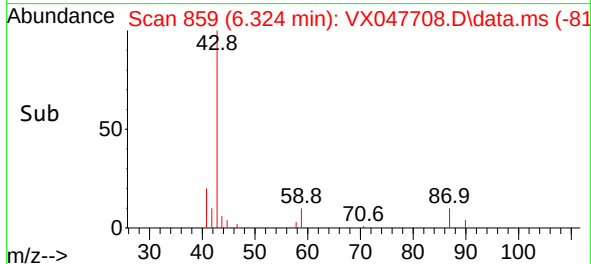
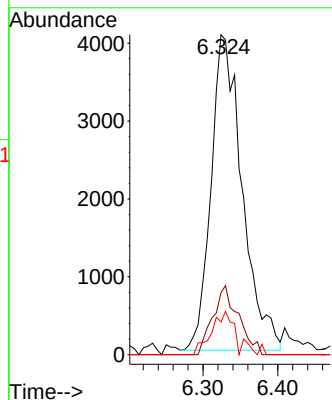
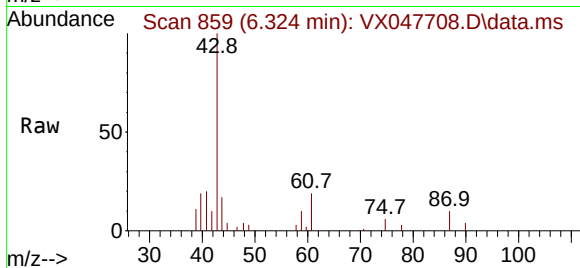




#43  
Isopropyl Acetate  
Concen: 2.159 ug/l  
RT: 6.324 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

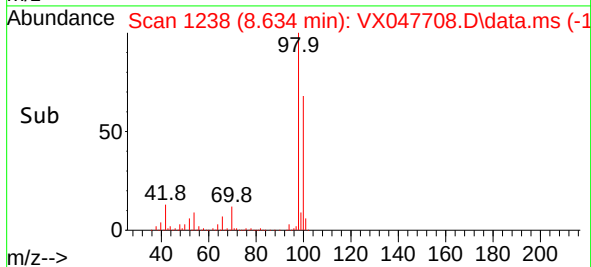
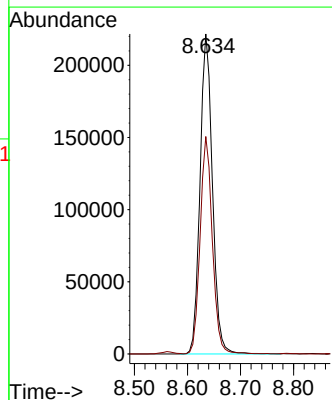
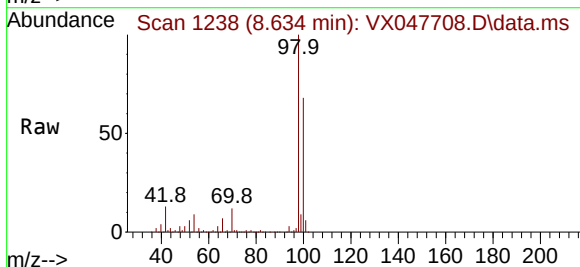
Instrument :  
MSVOA\_X  
ClientSampleId :  
34922

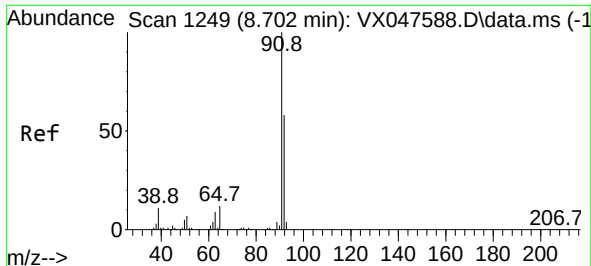
Tgt Ion: 43 Resp: 11726  
Ion Ratio Lower Upper  
43 100  
61 18.0 15.2 22.8  
87 10.7 9.6 14.4



#50  
Toluene-d8  
Concen: 49.236 ug/l  
RT: 8.634 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Tgt Ion: 98 Resp: 360536  
Ion Ratio Lower Upper  
98 100  
100 66.8 53.0 79.4

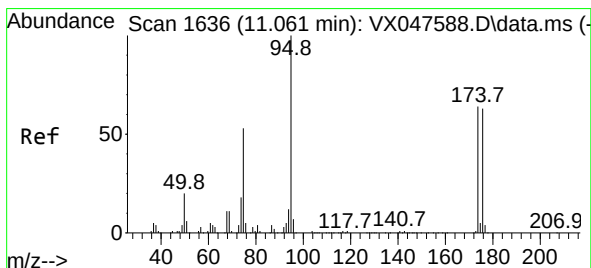
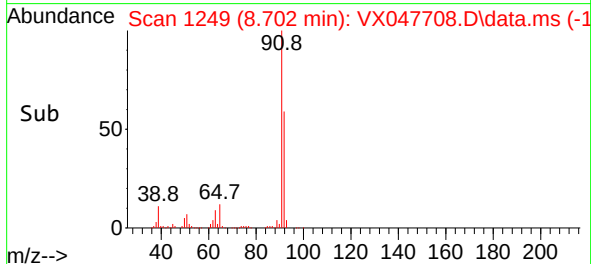
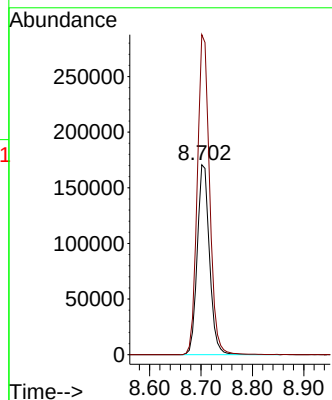
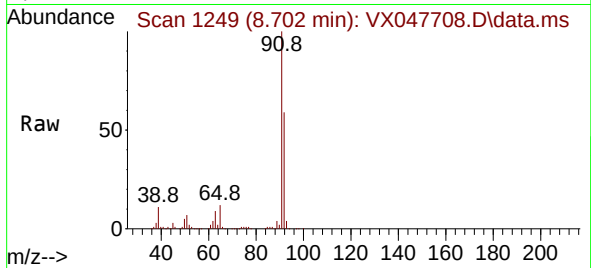




#52  
Toluene  
Concen: 48.708 ug/l  
RT: 8.702 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

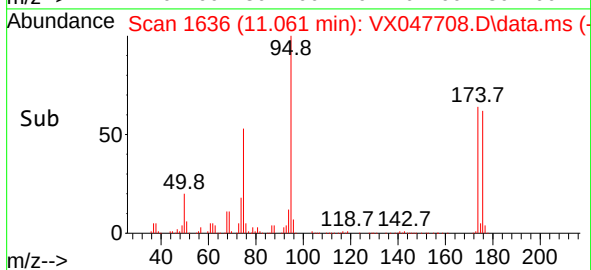
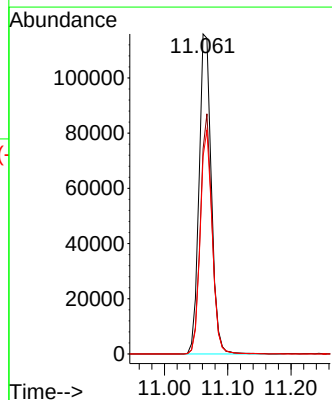
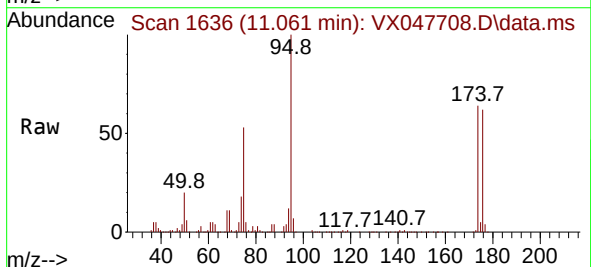
Instrument :  
MSVOA\_X  
ClientSampleId :  
34922

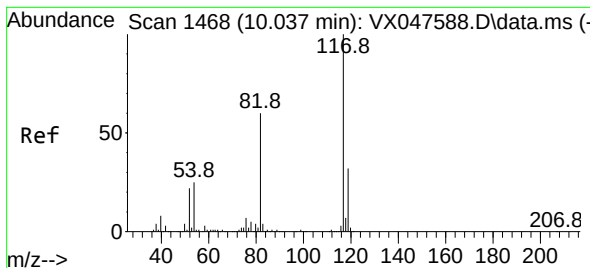
Tgt Ion: 92 Resp: 281852  
Ion Ratio Lower Upper  
92 100  
91 169.5 137.1 205.7



#62  
4-Bromofluorobenzene  
Concen: 56.358 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Tgt Ion: 95 Resp: 156623  
Ion Ratio Lower Upper  
95 100  
174 71.2 0.0 141.6  
176 68.3 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047708.D

Acq: 22 Sep 2025 16:32

Instrument :

MSVOA\_X

ClientSampleId :

34922

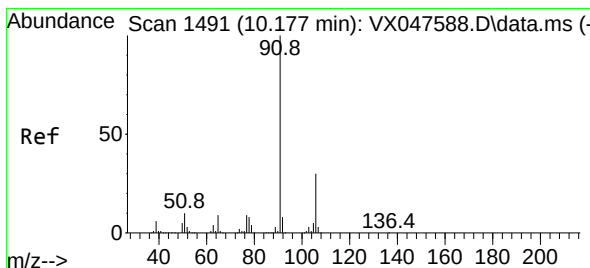
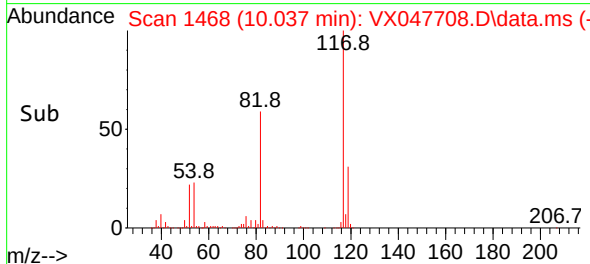
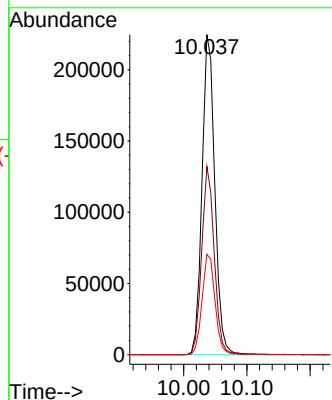
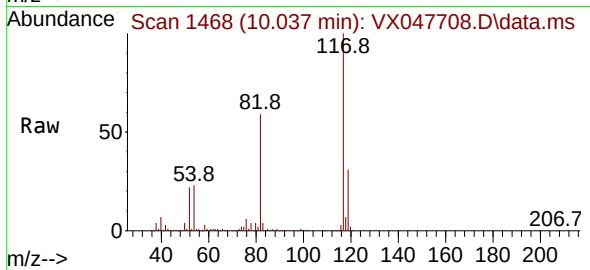
Tgt Ion:117 Resp: 315662

Ion Ratio Lower Upper

117 100

82 58.8 47.8 71.6

119 31.4 25.2 37.8



#67

Ethyl Benzene

Concen: 3.202 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047708.D

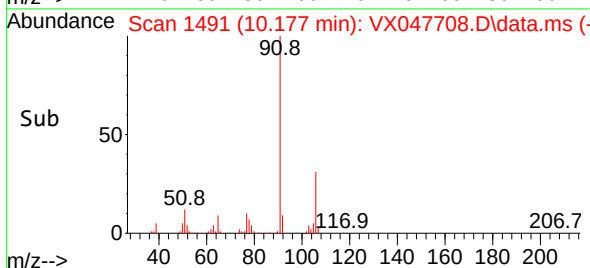
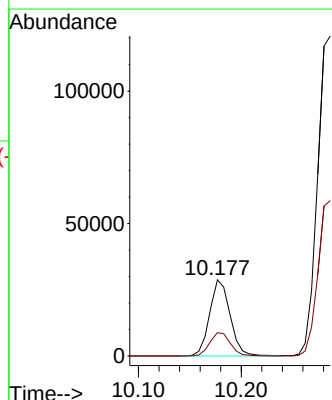
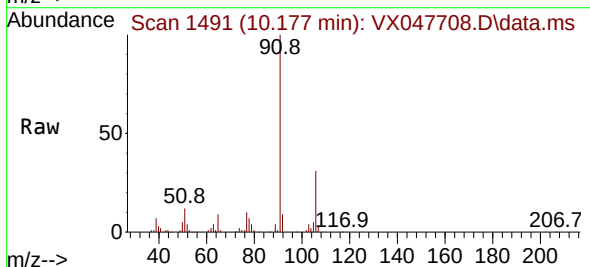
Acq: 22 Sep 2025 16:32

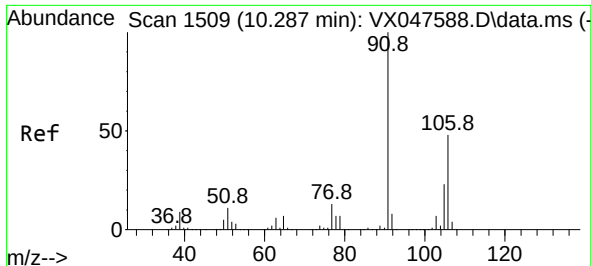
Tgt Ion: 91 Resp: 39618

Ion Ratio Lower Upper

91 100

106 30.6 24.3 36.5

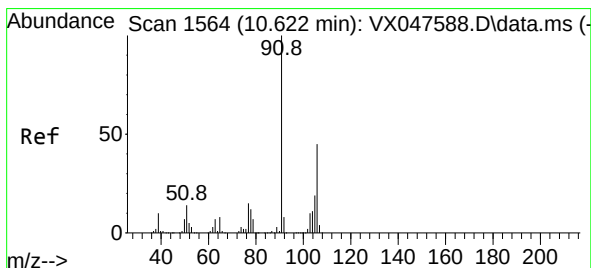
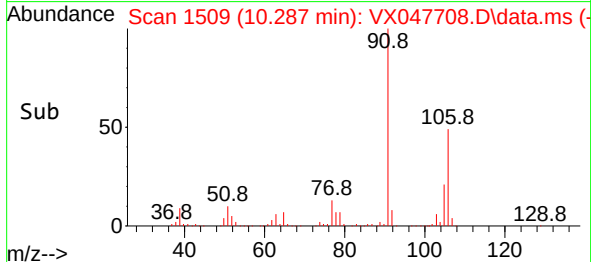
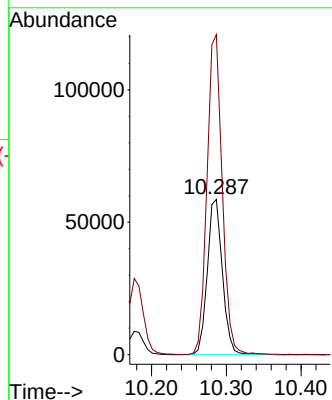
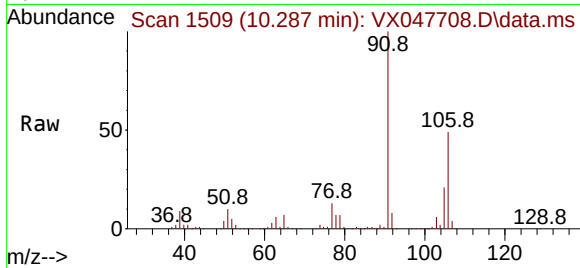




#68  
m/p-Xylenes  
Concen: 17.814 ug/l  
RT: 10.287 min Scan# 1509  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

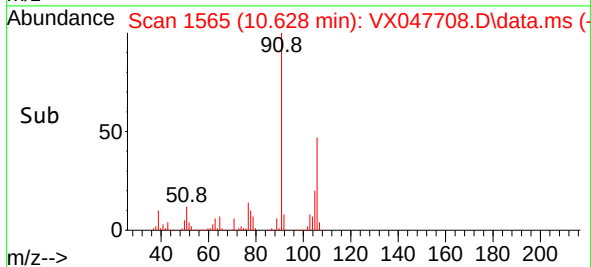
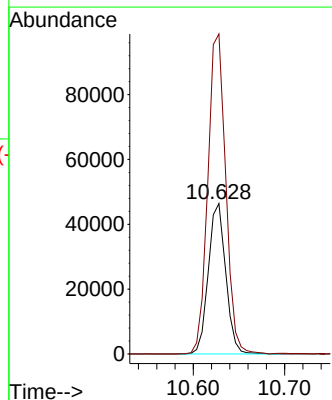
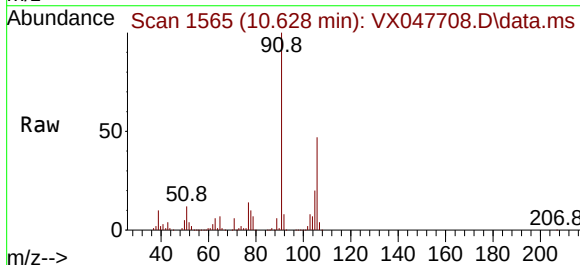
Instrument :  
MSVOA\_X  
ClientSampleId :  
34922

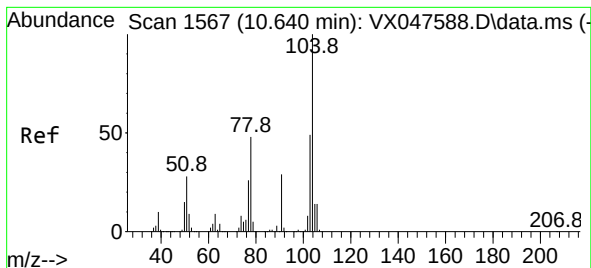
Tgt Ion:106 Resp: 82042  
Ion Ratio Lower Upper  
106 100  
91 208.5 167.8 251.8



#69  
o-Xylene  
Concen: 13.760 ug/l  
RT: 10.628 min Scan# 1565  
Delta R.T. 0.006 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Tgt Ion:106 Resp: 61296  
Ion Ratio Lower Upper  
106 100  
91 218.9 111.1 333.4





#70

Styrene

Concen: 2.603 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047708.D

Acq: 22 Sep 2025 16:32

Instrument :

MSVOA\_X

ClientSampleId :

34922

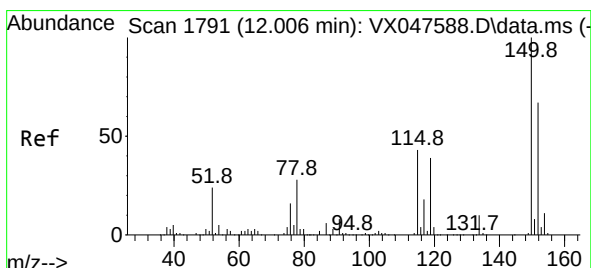
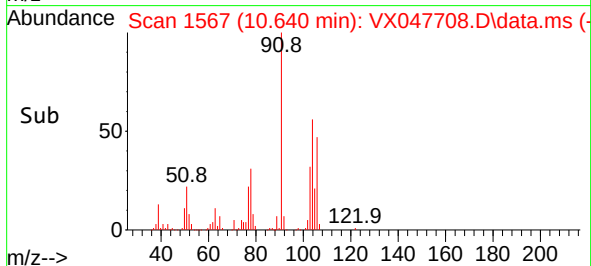
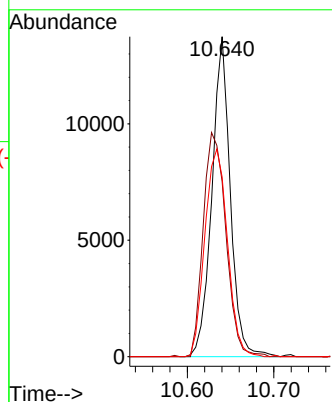
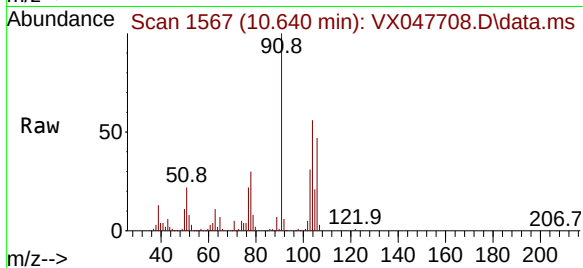
Tgt Ion:104 Resp: 20321

Ion Ratio Lower Upper

104 100

78 86.1 43.1 64.7#

103 79.5 43.1 64.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047708.D

Acq: 22 Sep 2025 16:32

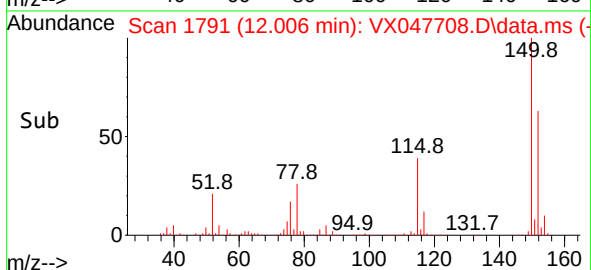
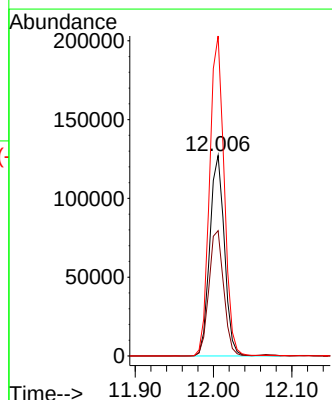
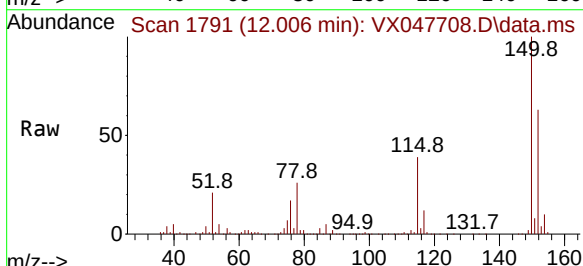
Tgt Ion:152 Resp: 164905

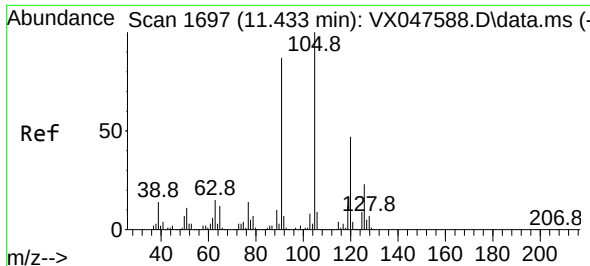
Ion Ratio Lower Upper

152 100

115 63.2 44.9 134.5

150 159.4 0.0 352.0

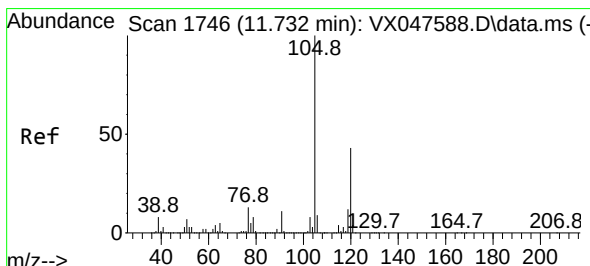
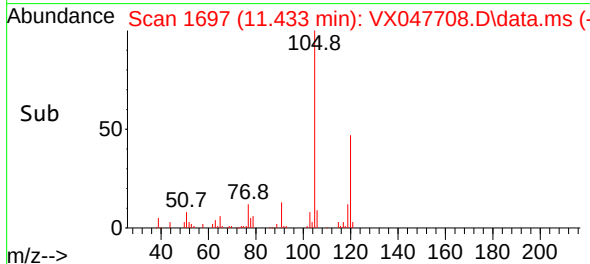
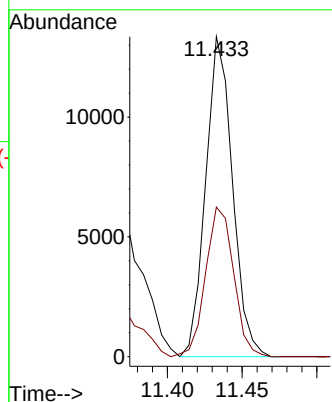
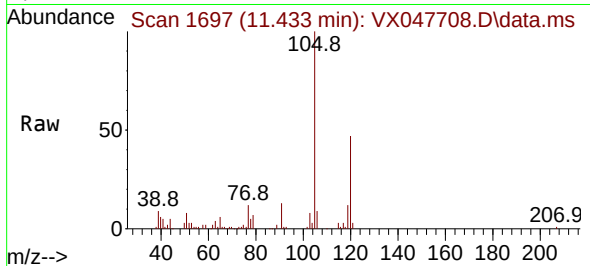




#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.616 ug/l  
 RT: 11.433 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX047708.D  
 Acq: 22 Sep 2025 16:32

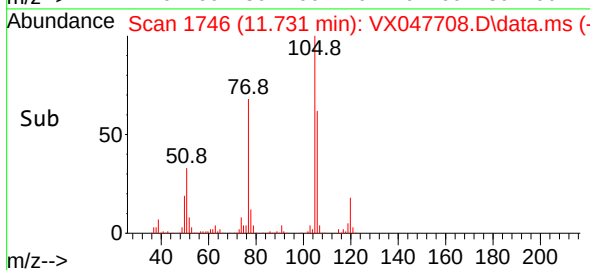
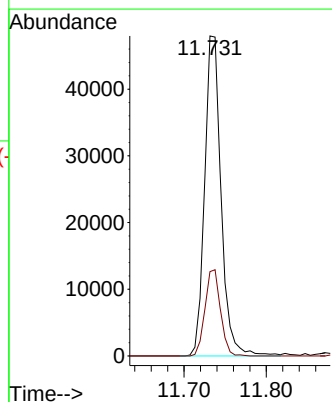
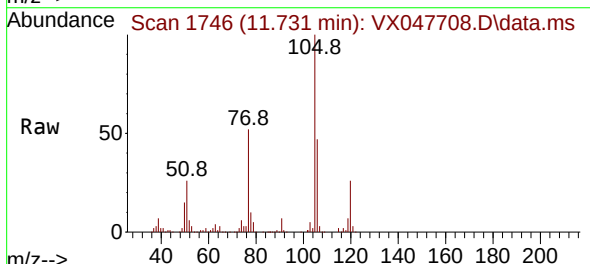
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 34922

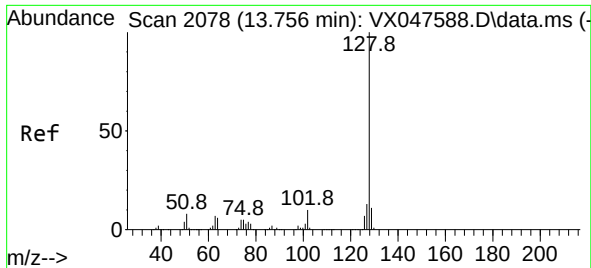
Tgt Ion:105 Resp: 16648  
 Ion Ratio Lower Upper  
 105 100  
 120 49.0 23.6 70.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 6.395 ug/l  
 RT: 11.731 min Scan# 1746  
 Delta R.T. -0.000 min  
 Lab File: VX047708.D  
 Acq: 22 Sep 2025 16:32

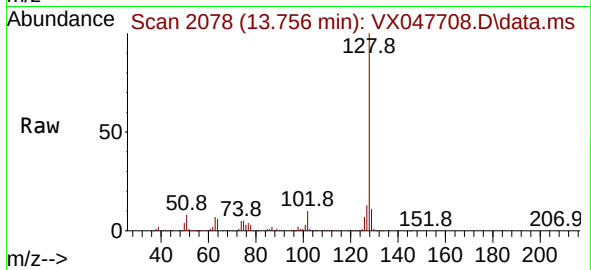
Tgt Ion:105 Resp: 66781  
 Ion Ratio Lower Upper  
 105 100  
 120 25.3 22.1 66.1





#95  
Naphthalene  
Concen: 184.716 ug/l  
RT: 13.756 min Scan# 2078  
Delta R.T. -0.000 min  
Lab File: VX047708.D  
Acq: 22 Sep 2025 16:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
34922



Tgt Ion:128 Resp: 1997437  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.2  
129 11.1 8.8 13.2

