

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101022\  
 Data File : VX032007.D  
 Acq On : 10 Oct 2022 13:11  
 Operator : JC/MD  
 Sample : N4883-13  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB092822

Quant Time: Oct 11 05:09:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 2022  
 Response via : Initial Calibration

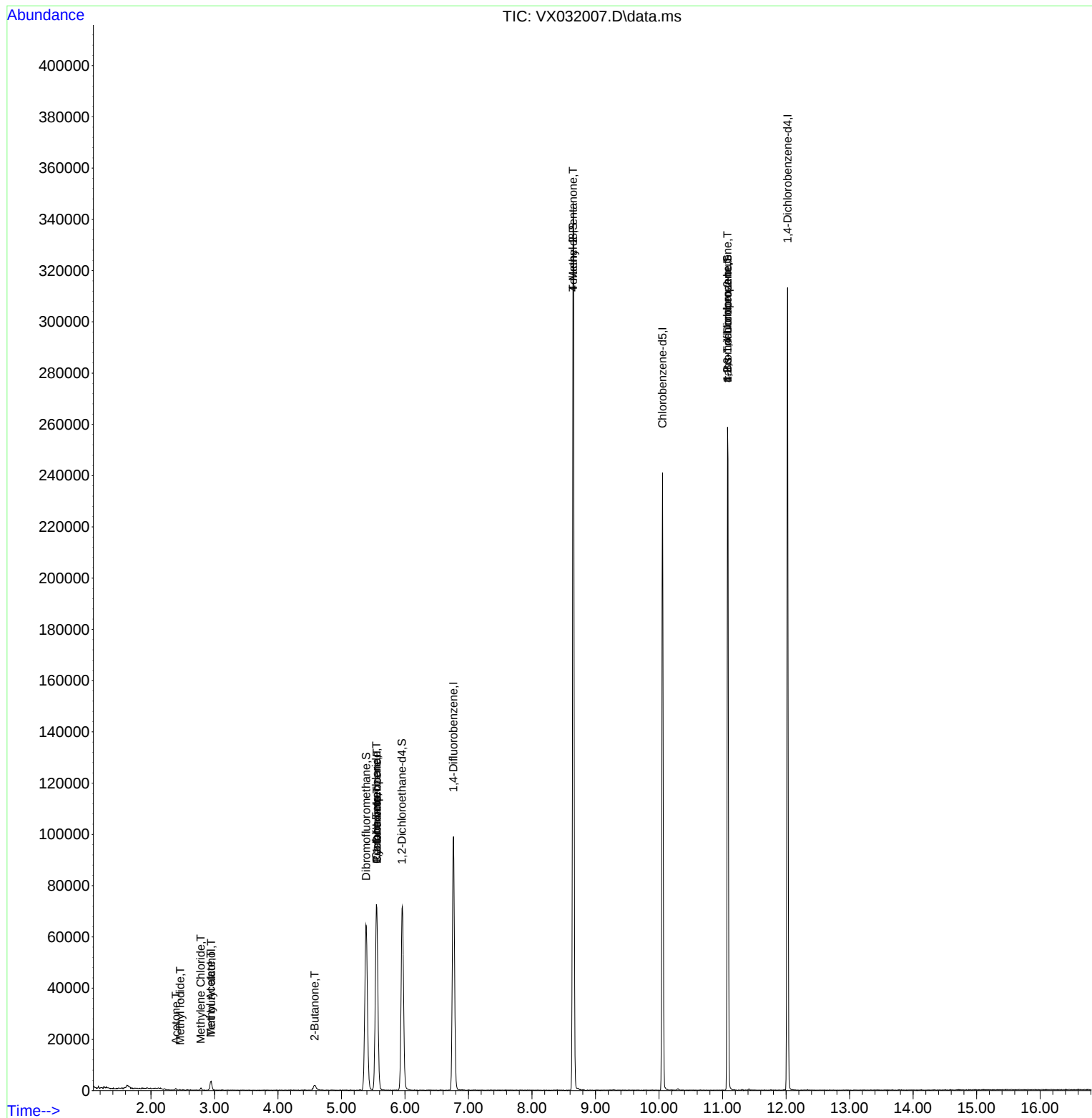
| Compound                      | R.T.           | QIon | Response   | Conc          | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------------|-------|----------|
| -----                         |                |      |            |               |       |          |
| Internal Standards            |                |      |            |               |       |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 68668      | 50.000        | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 102463     | 50.000        | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 107315     | 50.000        | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 63119      | 50.000        | ug/l  | 0.00     |
|                               |                |      |            |               |       |          |
| System Monitoring Compounds   |                |      |            |               |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 67962      | 47.923        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 95.840%       |       |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 55803      | 48.113        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 96.220%       |       |          |
| 50) Toluene-d8                | 8.647          | 98   | 204995     | 49.119        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 98.240%       |       |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 67278      | 45.599        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 91.200%       |       |          |
|                               |                |      |            |               |       |          |
| Target Compounds              |                |      |            |               |       | Qvalue   |
| 5) Bromomethane               | 1.617          | 94   | 297        | Below Cal     |       | 84       |
| 10) Methyl Iodide             | 2.459          | 142  | 164        | 2.889 ug/l #  |       | 77       |
| 11) Tert butyl alcohol        | 2.946          | 59   | 1991       | 11.284 ug/l # |       | 73       |
| 16) Acetone                   | 2.392          | 43   | 673        | 1.396 ug/l #  |       | 74       |
| 18) Methyl Acetate            | 2.940          | 43   | 319        | 0.201 ug/l #  |       | 52       |
| 20) Methylene Chloride        | 2.782          | 84   | 377        | 0.298 ug/l #  |       | 60       |
| 25) 2-Butanone                | 4.574          | 43   | 172        | 0.228 ug/l #  |       | 49       |
| 31) Cyclohexane               | 5.556          | 56   | 1671       | 0.986 ug/l #  |       | 6        |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 5363       | 3.487 ug/l #  |       | 50       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 7042       | 4.478 ug/l #  |       | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 957        | 0.657 ug/l #  |       | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 35505      | 27.446 ug/l # |       | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 35505      | 93.986 ug/l # |       | 11       |
| -----                         |                |      |            |               |       |          |

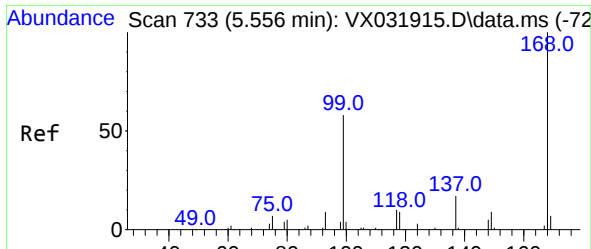
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101022\  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB092822

Quant Time: Oct 11 05:09:36 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 14:28:46 2022  
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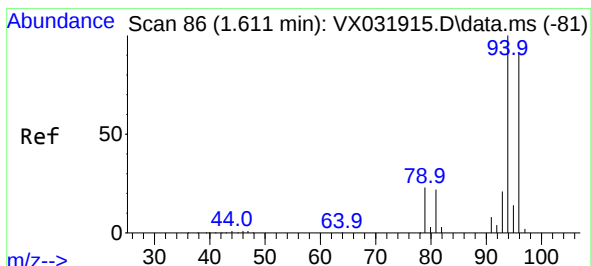
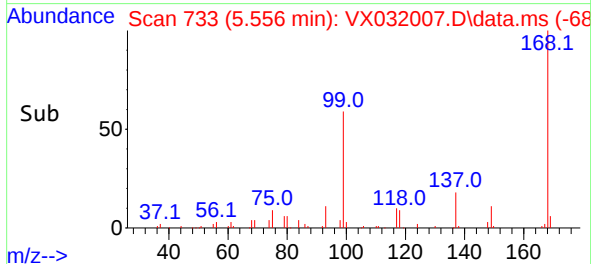
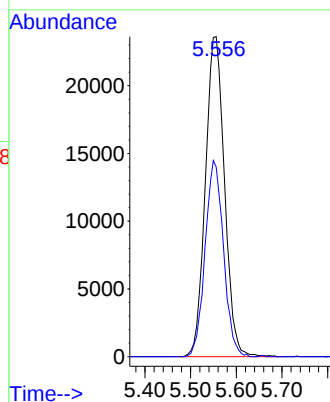
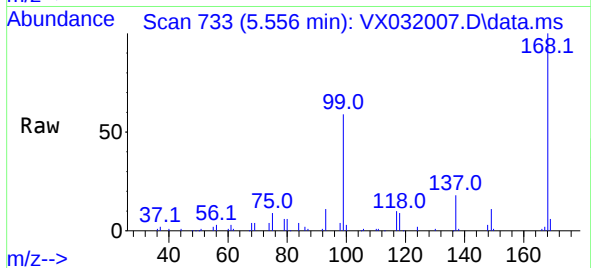




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

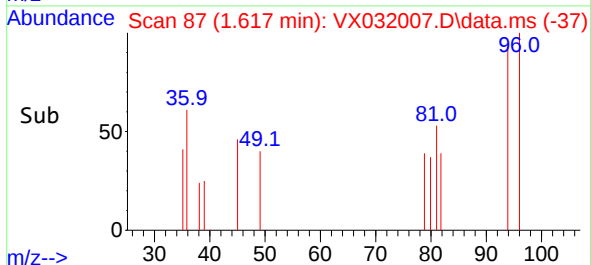
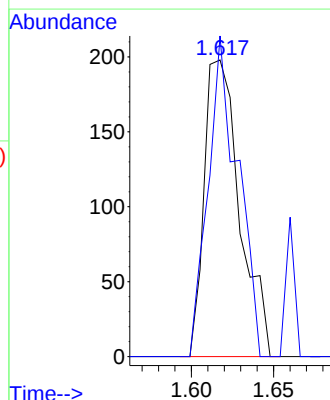
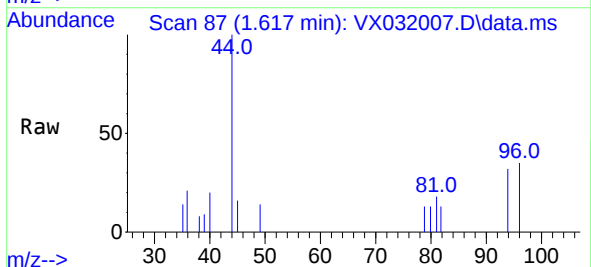
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB092822

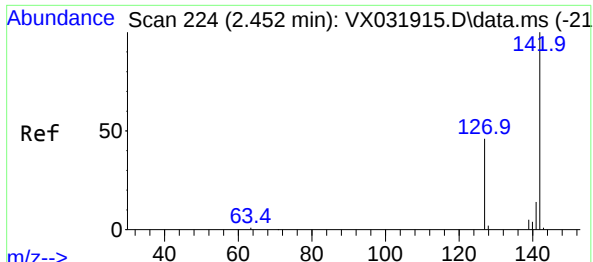
Tgt Ion:168 Resp: 68668  
Ion Ratio Lower Upper  
168 100  
99 59.3 48.8 73.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.617 min Scan# 87  
Delta R.T. 0.006 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

Tgt Ion: 94 Resp: 297  
Ion Ratio Lower Upper  
94 100  
96 108.1 74.4 111.6

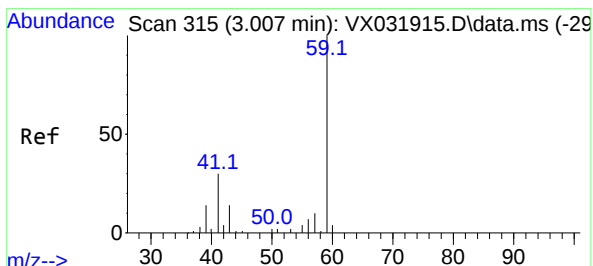
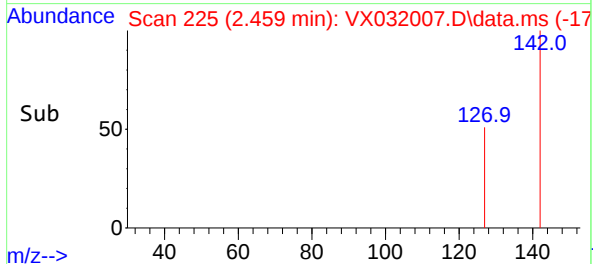
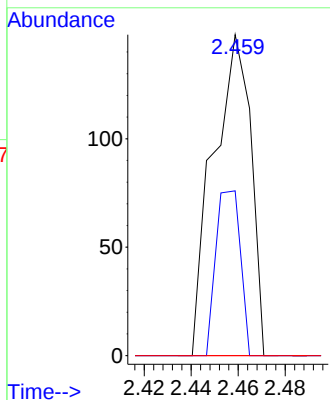
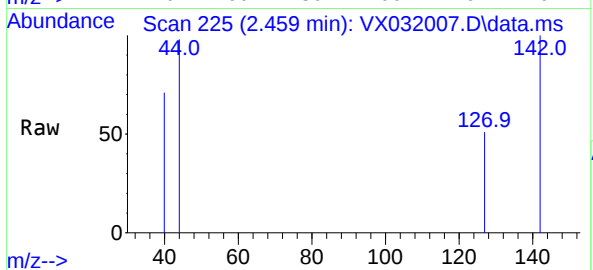




#10  
Methyl Iodide  
Concen: 2.889 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

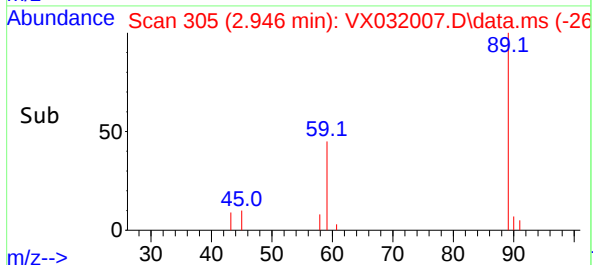
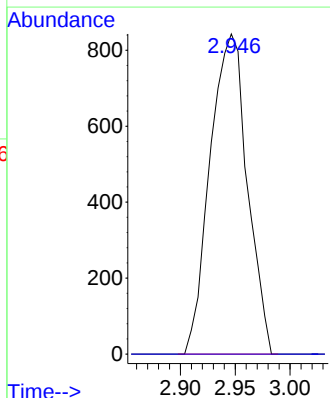
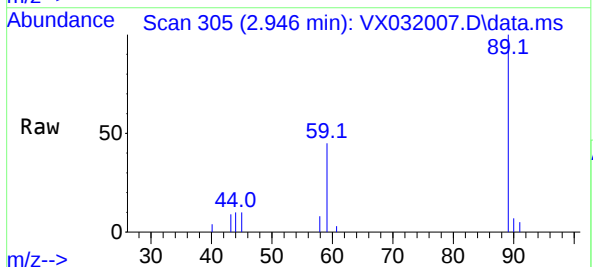
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB092822

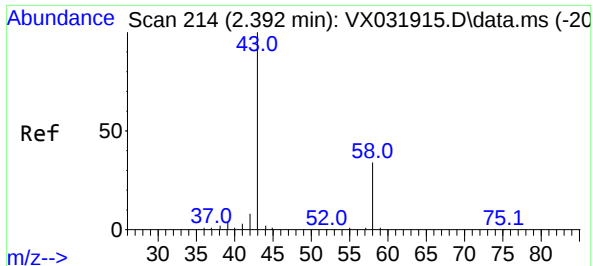
Tgt Ion:142 Resp: 164  
Ion Ratio Lower Upper  
142 100  
127 33.5 37.4 56.0#  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 11.284 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.061 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

Tgt Ion: 59 Resp: 1991  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

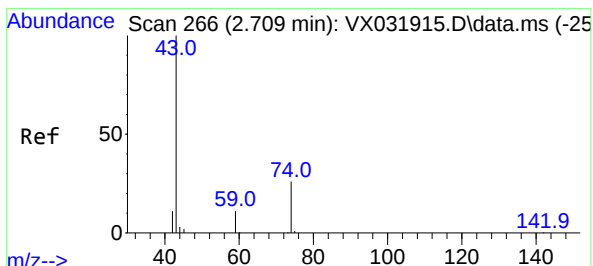
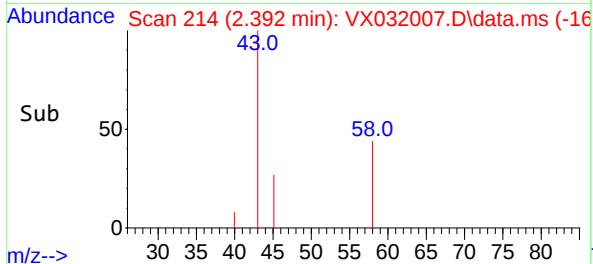
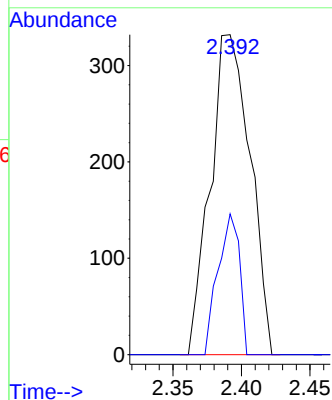
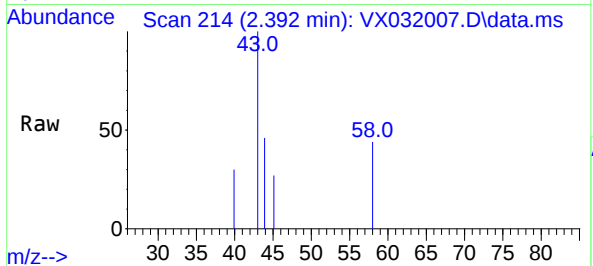




#16  
Acetone  
Concen: 1.396 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

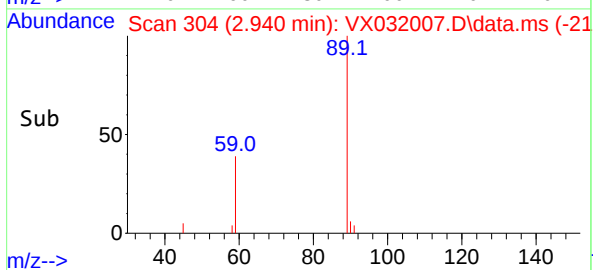
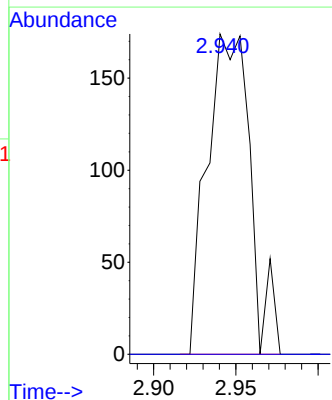
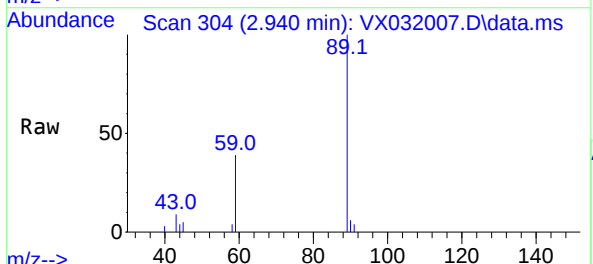
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB092822

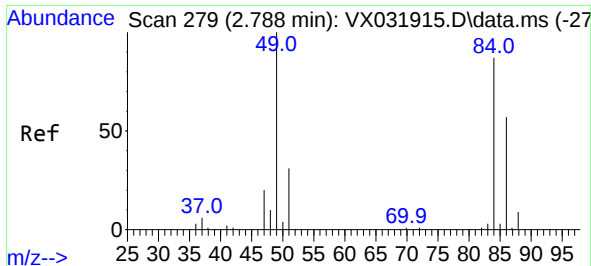
Tgt Ion: 43 Resp: 673  
Ion Ratio Lower Upper  
43 100  
58 44.0 23.8 35.8#



#18  
Methyl Acetate  
Concen: 0.201 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. 0.231 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

Tgt Ion: 43 Resp: 319  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.6 27.8#



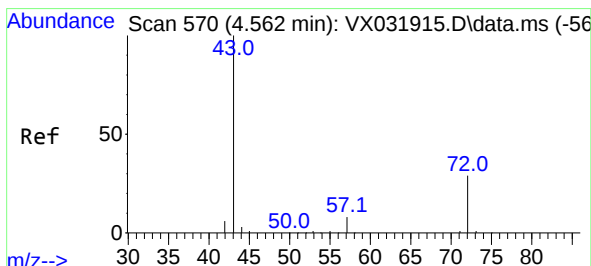
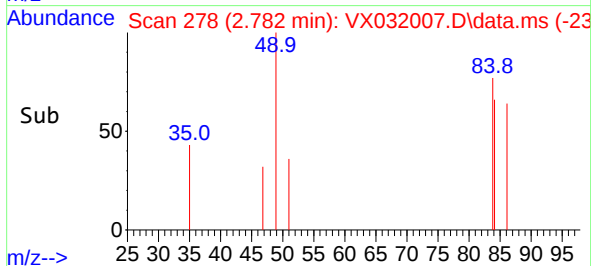
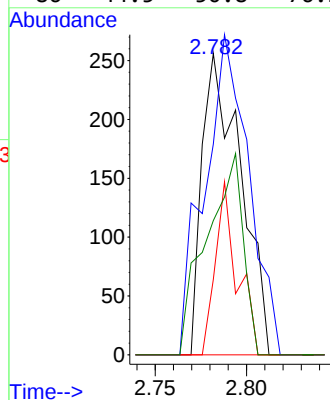
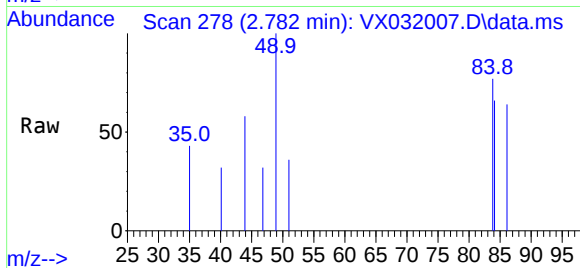


#20  
Methylene Chloride  
Concen: 0.298 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB092822

Tgt Ion: 84 Resp: 377

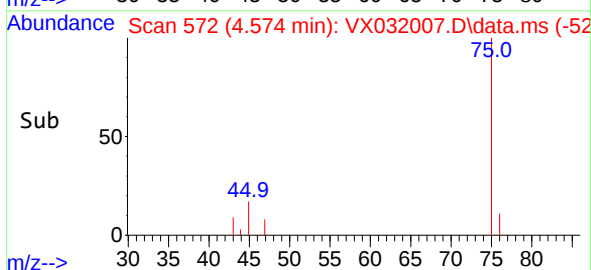
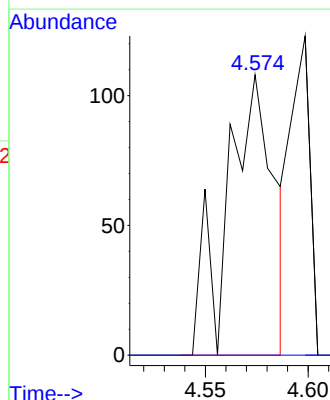
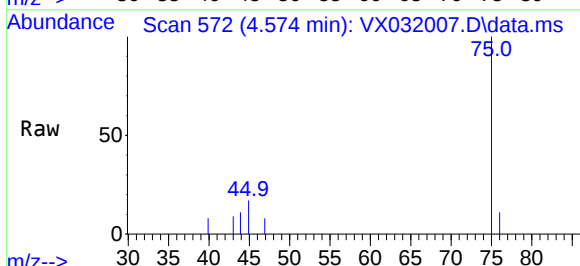
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 69.9  | 105.9 | 158.9# |
| 51  | 25.0  | 32.2  | 48.2#  |
| 86  | 44.5  | 50.8  | 76.2#  |

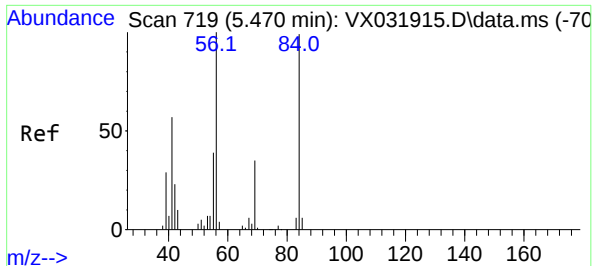


#25  
2-Butanone  
Concen: 0.228 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.012 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

Tgt Ion: 43 Resp: 172

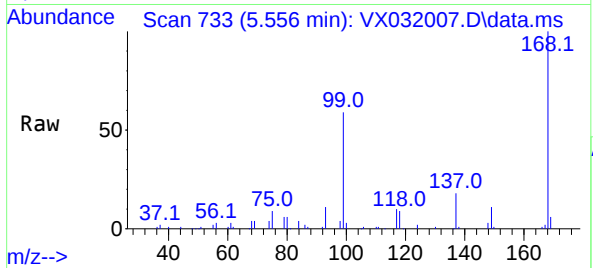
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 21.1  | 31.7# |



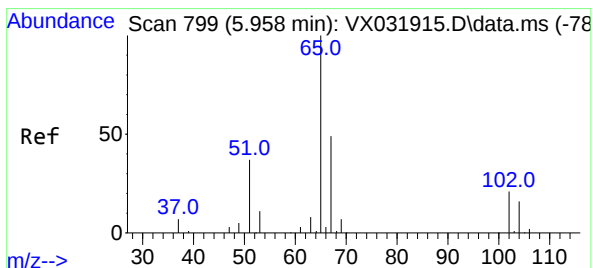
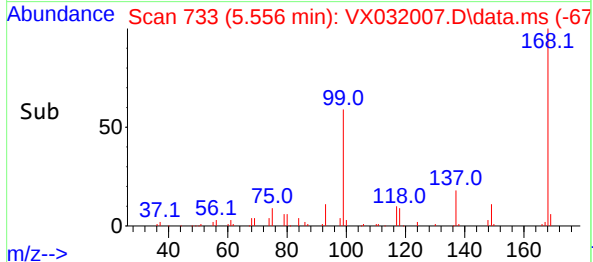
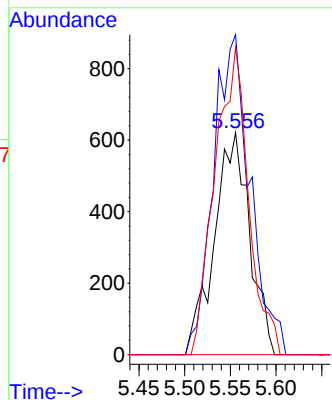


#31  
Cyclohexane  
Concen: 0.986 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.086 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

Instrument :  
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ClientSampleId :  
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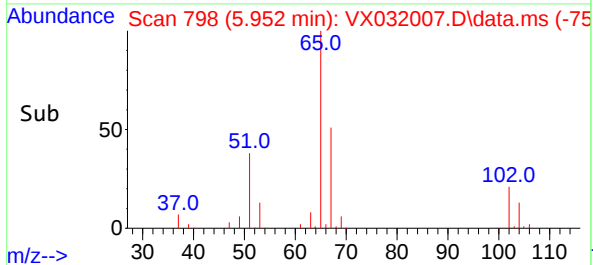
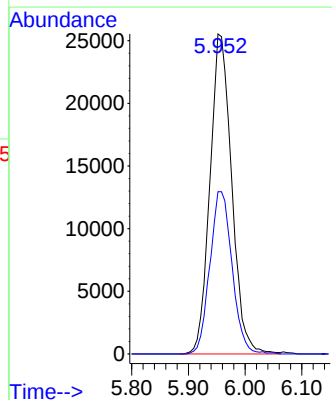
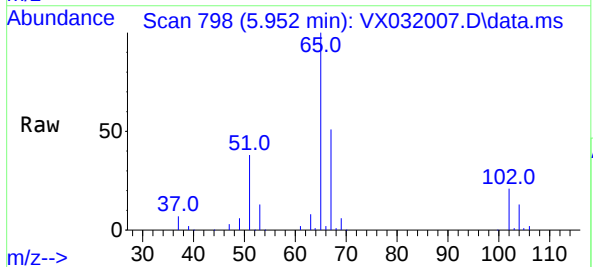


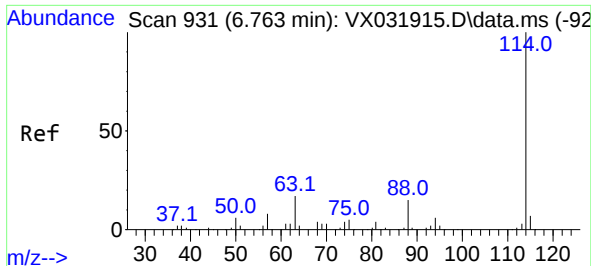
Tgt Ion: 56 Resp: 1671  
Ion Ratio Lower Upper  
56 100  
69 144.1 25.1 37.7#  
84 138.3 70.2 105.4#



#33  
1,2-Dichloroethane-d4  
Concen: 47.923 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

Tgt Ion: 65 Resp: 67962  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 102.4

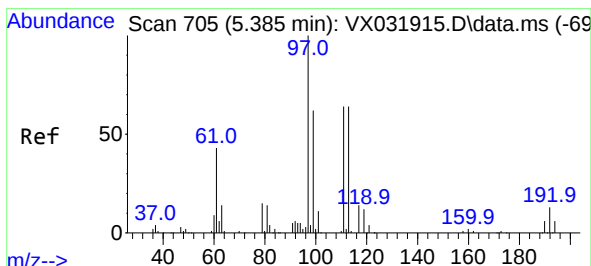
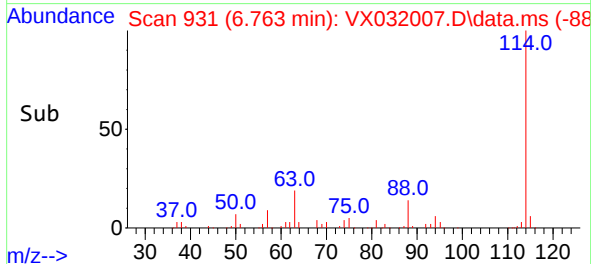
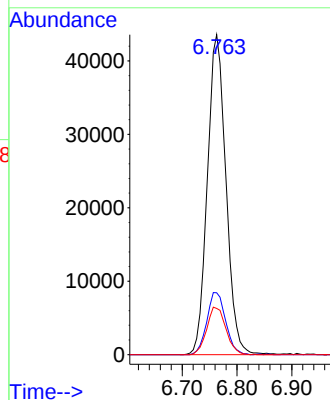
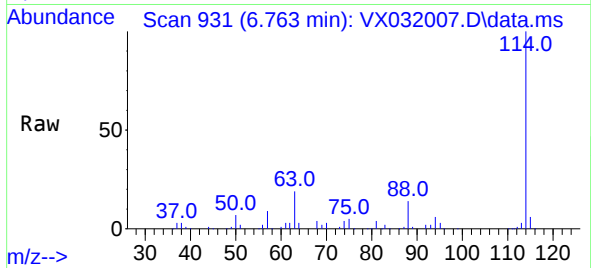




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

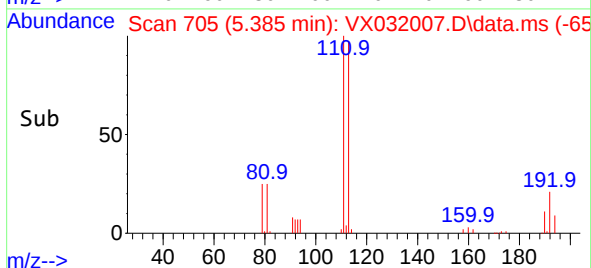
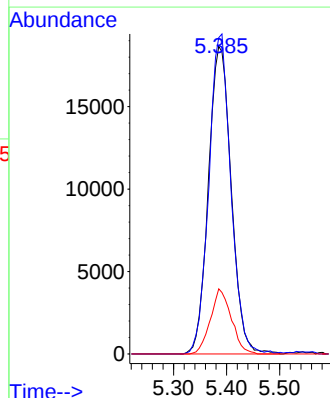
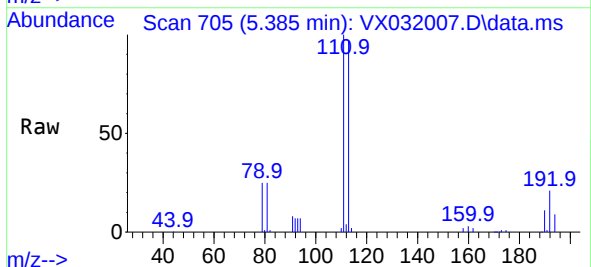
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB092822

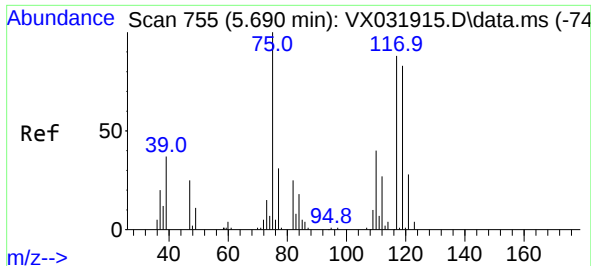
Tgt Ion:114 Resp: 102463  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 42.6  
88 14.5 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 48.113 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

Tgt Ion:113 Resp: 55803  
Ion Ratio Lower Upper  
113 100  
111 100.0 82.4 123.6  
192 19.4 14.1 21.1

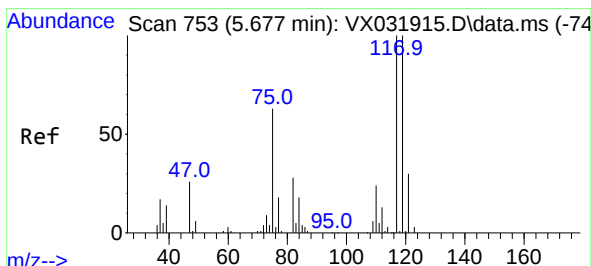
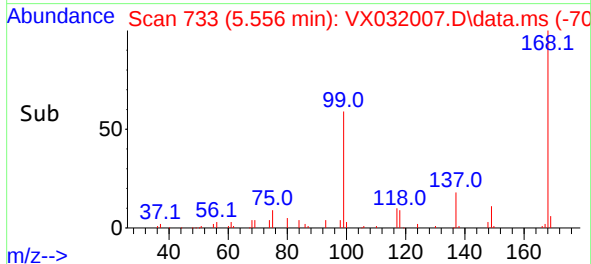
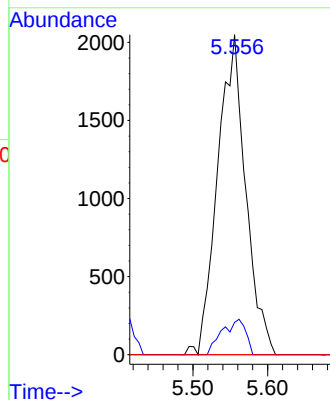
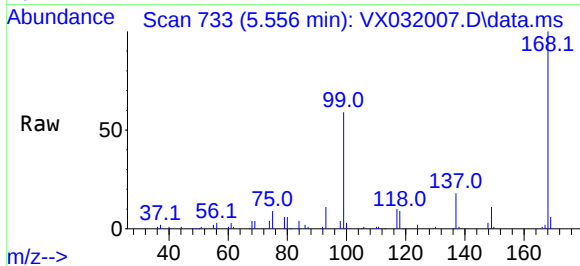




#36  
1,1-Dichloropropene  
Concen: 3.487 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

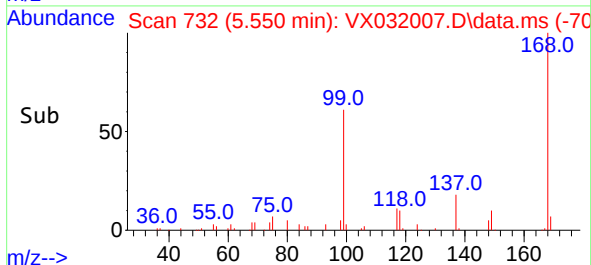
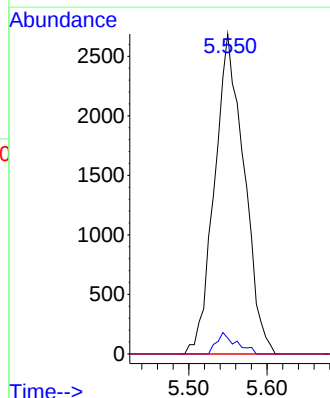
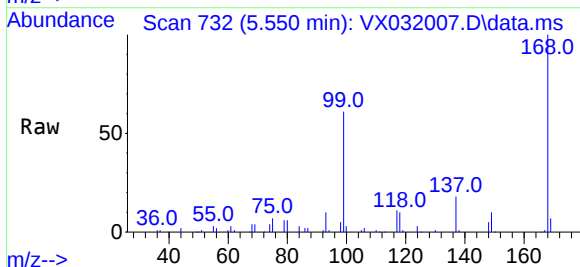
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB092822

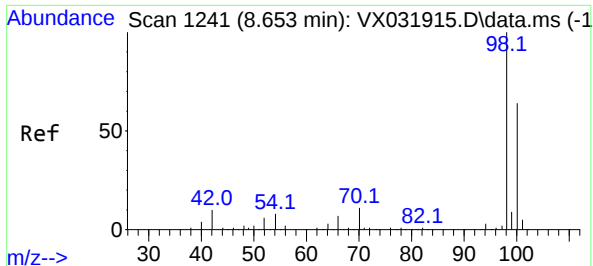
Tgt Ion: 75 Resp: 5363  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.5 52.5#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 4.478 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.127 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

Tgt Ion: 117 Resp: 7042  
Ion Ratio Lower Upper  
117 100  
119 4.9 74.6 112.0#  
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 49.119 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032007.D

Acq: 10 Oct 2022 13:11

Instrument :

MSVOA\_X

ClientSampleId :

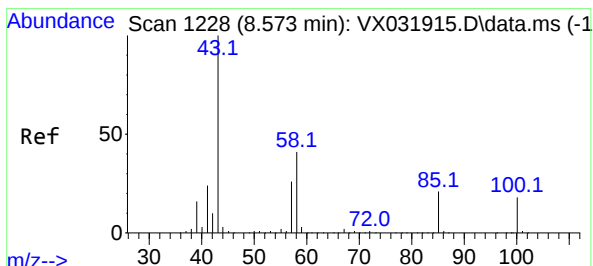
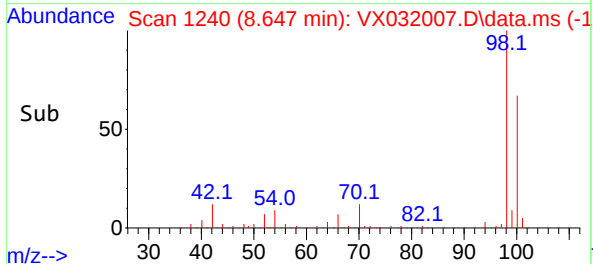
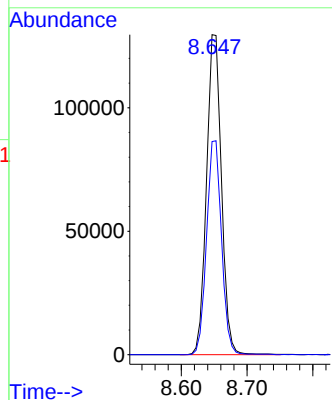
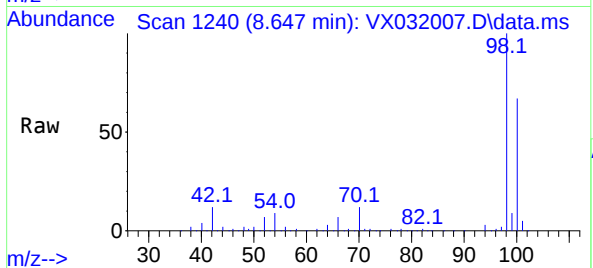
FB092822

Tgt Ion: 98 Resp: 204995

Ion Ratio Lower Upper

98 100

100 66.9 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.657 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.074 min

Lab File: VX032007.D

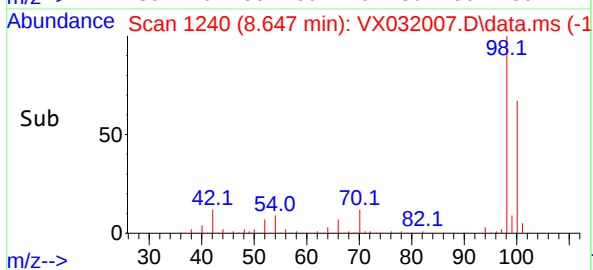
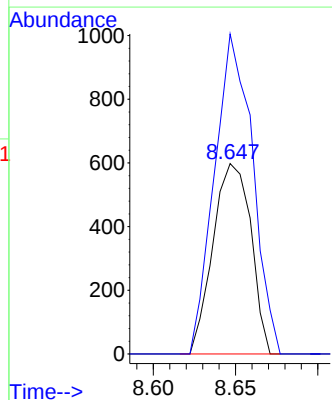
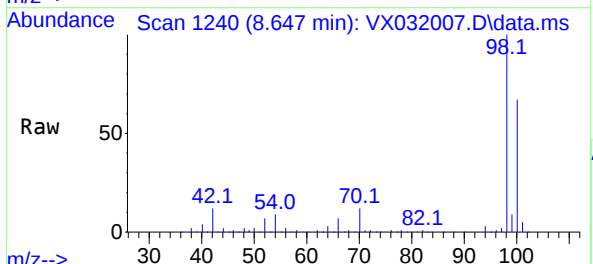
Acq: 10 Oct 2022 13:11

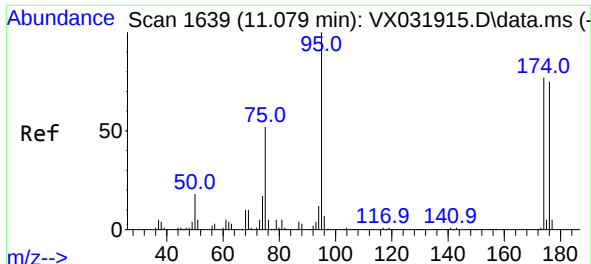
Tgt Ion: 43 Resp: 957

Ion Ratio Lower Upper

43 100

58 168.8 30.6 46.0#

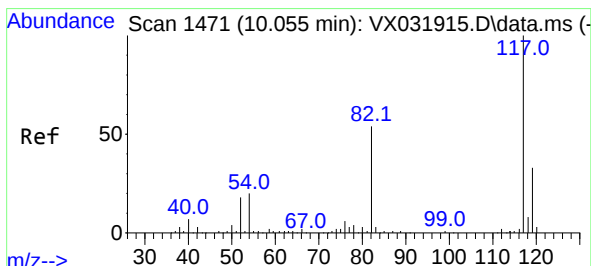
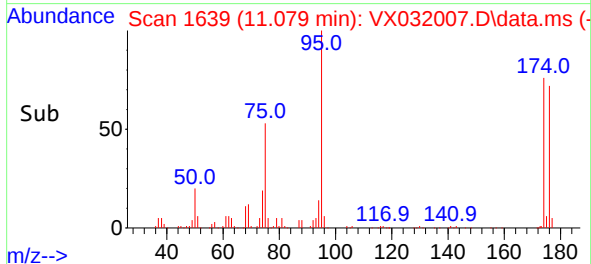
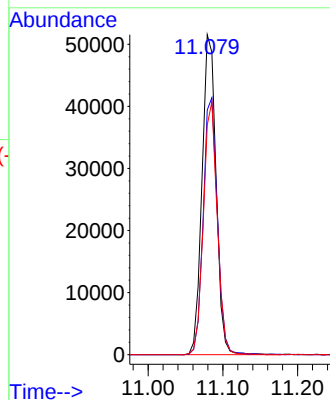
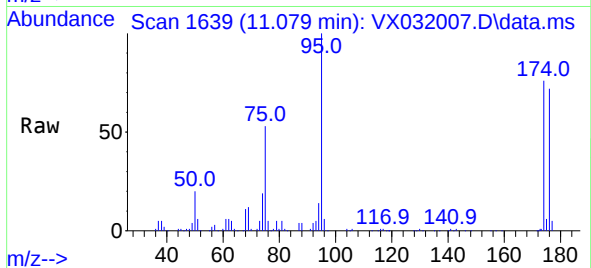




#62  
4-Bromofluorobenzene  
Concen: 45.599 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

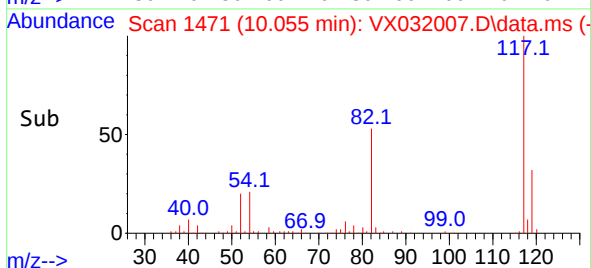
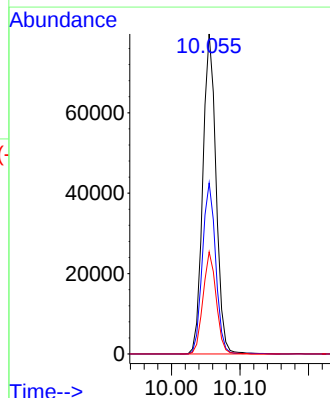
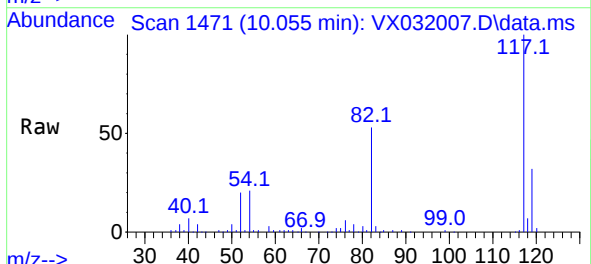
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB092822

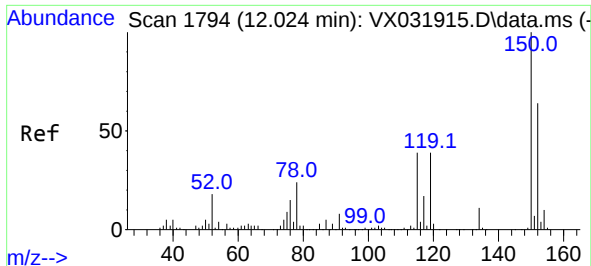
Tgt Ion: 95 Resp: 67278  
Ion Ratio Lower Upper  
95 100  
174 80.6 0.0 153.2  
176 77.8 0.0 144.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX032007.D  
Acq: 10 Oct 2022 13:11

Tgt Ion: 117 Resp: 107315  
Ion Ratio Lower Upper  
117 100  
82 53.5 46.8 70.2  
119 31.9 26.4 39.6

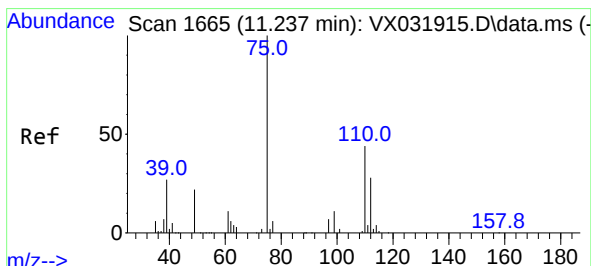
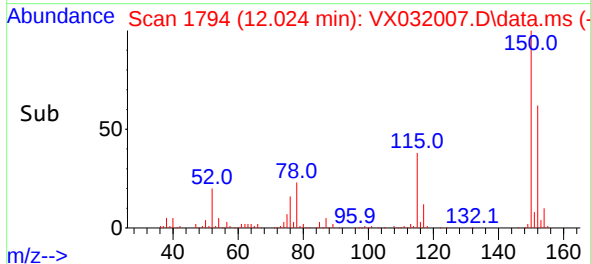
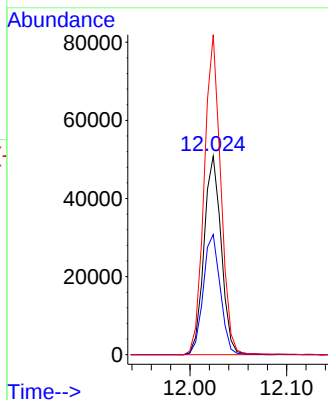
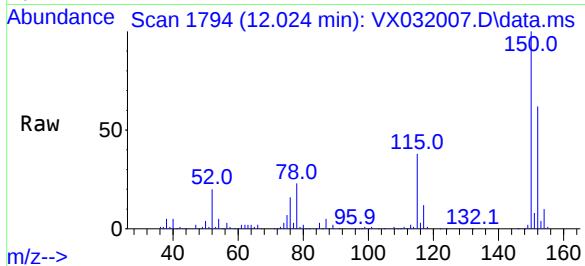




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX032007.D  
 Acq: 10 Oct 2022 13:11

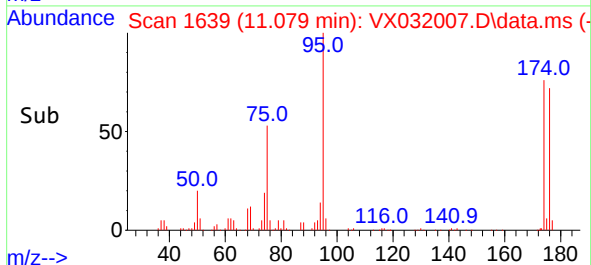
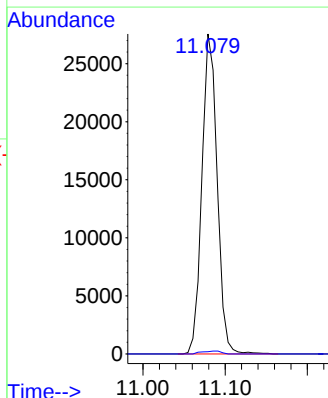
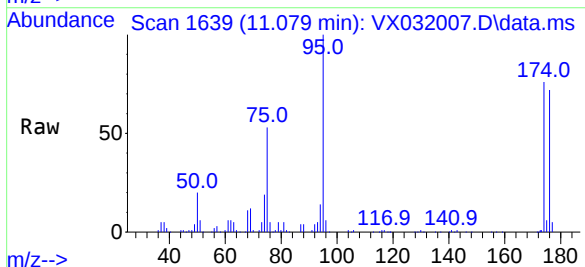
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB092822

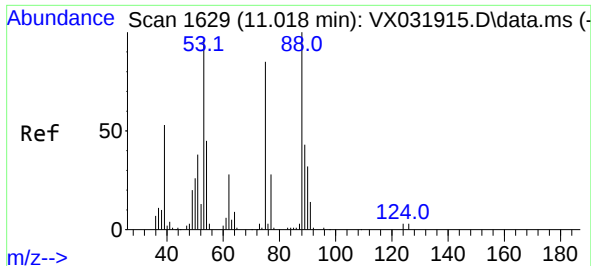
Tgt Ion:152 Resp: 63119  
 Ion Ratio Lower Upper  
 152 100  
 115 60.0 43.4 130.1  
 150 155.1 0.0 346.8



#76  
 1,2,3-Trichloropropane  
 Concen: 27.446 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX032007.D  
 Acq: 10 Oct 2022 13:11

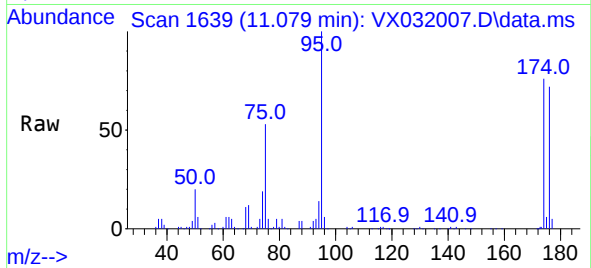
Tgt Ion: 75 Resp: 35505  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 20.3 60.9#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 93.986 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX032007.D  
 Acq: 10 Oct 2022 13:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB092822



Tgt Ion: 75 Resp: 35505  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.6 116.4#  
 89 0.0 37.4 56.0#

