

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082722\  
 Data File : VX030873.D  
 Acq On : 27 Aug 2022 16:16  
 Operator : JC/MD  
 Sample : N4391-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 256317-3

Quant Time: Aug 29 01:10:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X082522W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 26 02:03:28 2022  
 Response via : Initial Calibration

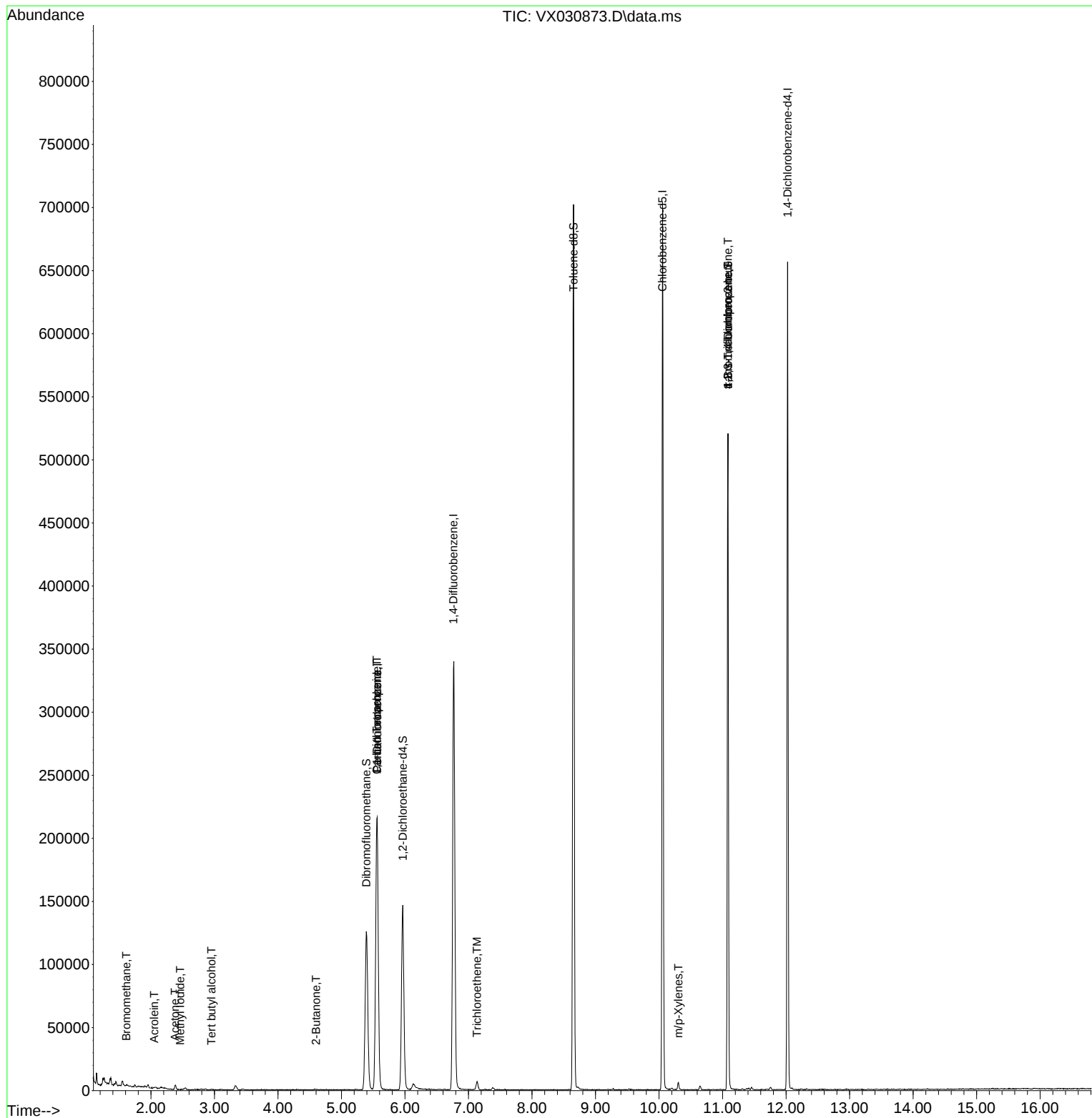
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.562     | 168   | 201890   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 345582   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 310378   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 130655   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65    | 139914   | 58.917    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery  | = 117.840% |          |
| 35) Dibromofluoromethane      | 5.391     | 113   | 109550   | 51.580    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | = 103.160% |          |
| 50) Toluene-d8                | 8.653     | 98    | 415781   | 56.179    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery  | = 112.360% |          |
| 62) 4-Bromofluorobenzene      | 11.085    | 95    | 137282   | 49.823    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery  | = 99.640%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 1.294     | 50    | 305      | Below Cal | #          | 42       |
| 5) Bromomethane               | 1.611     | 94    | 271      | 0.288     | ug/l #     | 62       |
| 6) Chloroethane               | 1.679     | 64    | 43       | Below Cal | #          | 41       |
| 10) Methyl Iodide             | 2.459     | 142   | 85       | 4.077     | ug/l #     | 54       |
| 11) Tert butyl alcohol        | 2.953     | 59    | 142      | 0.275     | ug/l #     | 74       |
| 13) Acrolein                  | 2.050     | 56    | 87       | 10.235    | ug/l #     | 1        |
| 16) Acetone                   | 2.380     | 43    | 3939     | 3.589     | ug/l       | 91       |
| 17) Carbon Disulfide          | 2.520     | 76    | 656      | Below Cal | #          | 74       |
| 20) Methylene Chloride        | 2.800     | 84    | 312      | Below Cal | #          | 54       |
| 25) 2-Butanone                | 4.599     | 43    | 589      | 0.333     | ug/l #     | 48       |
| 36) 1,1-Dichloropropene       | 5.556     | 75    | 16227    | 5.611     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 21172    | 6.940     | ug/l #     | 18       |
| 44) Trichloroethene           | 7.135     | 130   | 2752     | 1.101     | ug/l       | 69       |
| 68) m/p-Xylenes               | 10.305    | 106   | 1482     | 0.373     | ug/l       | 92       |
| 76) 1,2,3-Trichloropropane    | 11.085    | 75    | 71495    | 24.977    | ug/l #     | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085    | 75    | 71495    | 80.585    | ug/l #     | 13       |
| -----                         |           |       |          |           |            |          |

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

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Sample : N4391-01  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
256317-3

Quant Time: Aug 29 01:10:23 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X082522W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 26 02:03:28 2022  
Response via : Initial Calibration

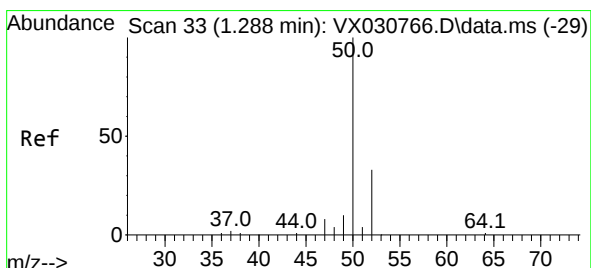
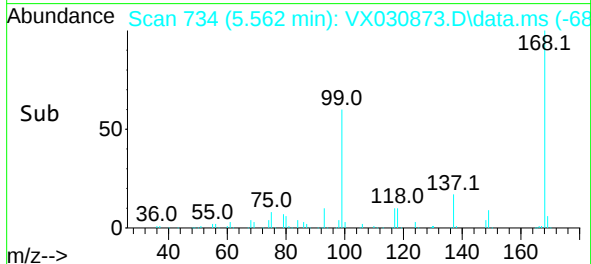
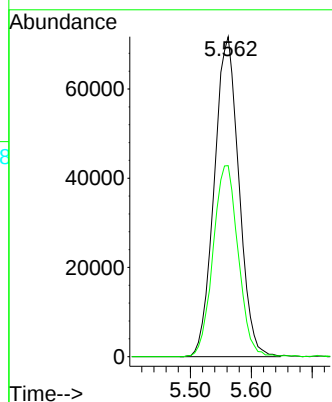
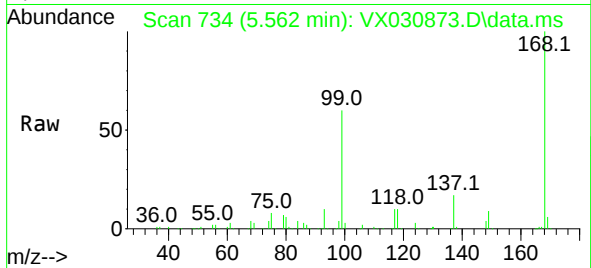




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

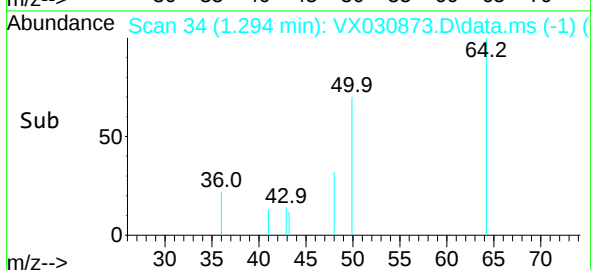
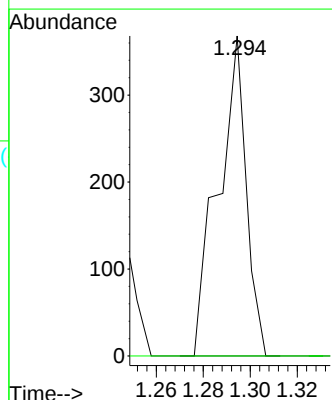
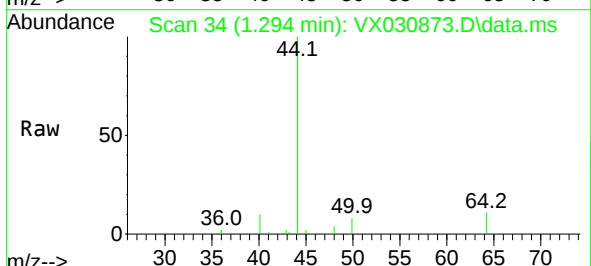
Instrument :  
MSVOA\_X  
ClientSampleId :  
256317-3

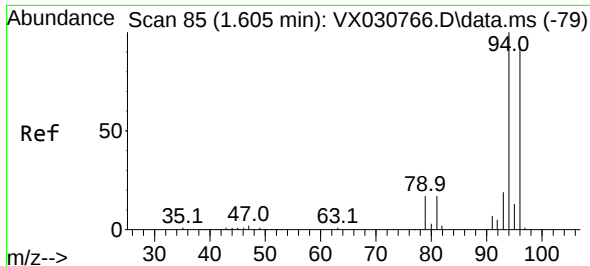
Tgt Ion:168 Resp: 201890  
Ion Ratio Lower Upper  
168 100  
99 59.7 44.0 66.0



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.294 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion: 50 Resp: 305  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.3 39.5#

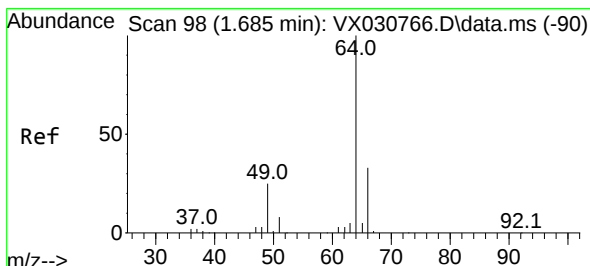
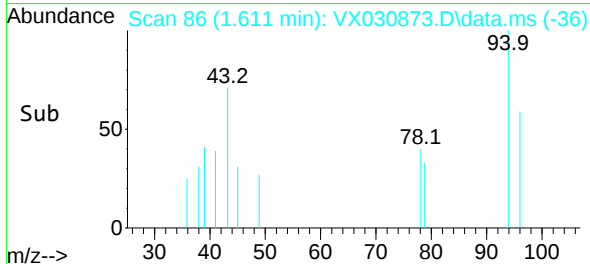
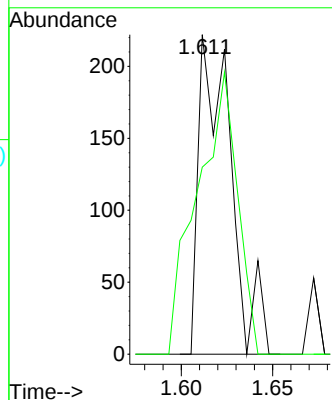
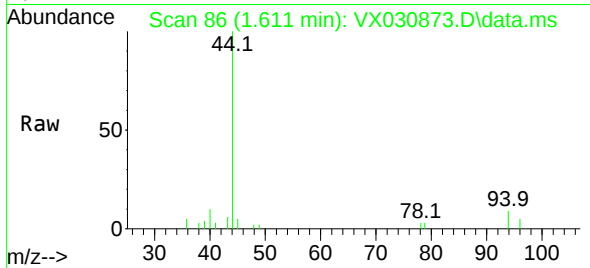




#5  
Bromomethane  
Concen: 0.288 ug/l  
RT: 1.611 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

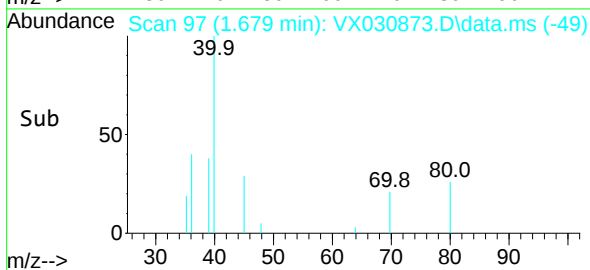
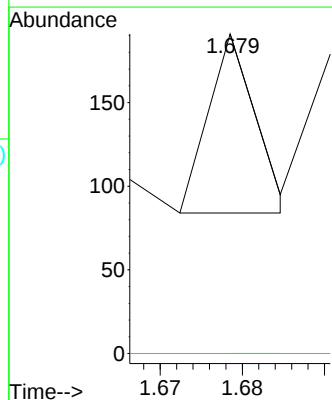
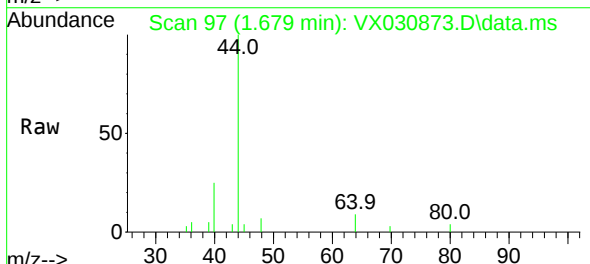
Instrument :  
MSVOA\_X  
ClientSampleId :  
256317-3

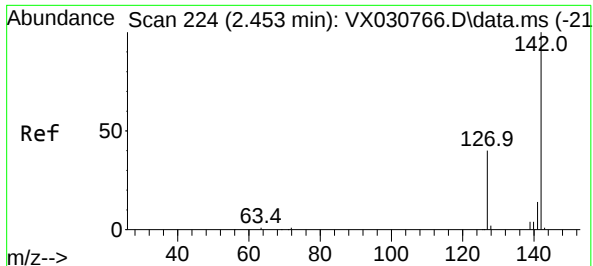
Tgt Ion: 94 Resp: 271  
Ion Ratio Lower Upper  
94 100  
96 58.6 76.9 115.3#



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.679 min Scan# 97  
Delta R.T. -0.006 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion: 64 Resp: 43  
Ion Ratio Lower Upper  
64 100  
66 0.0 27.2 40.8#

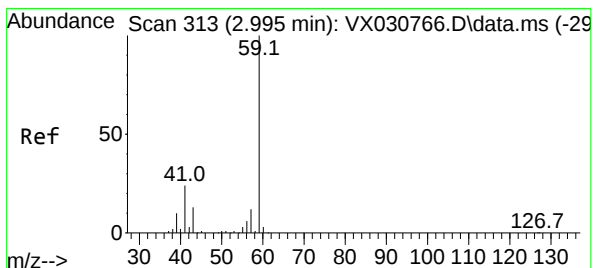
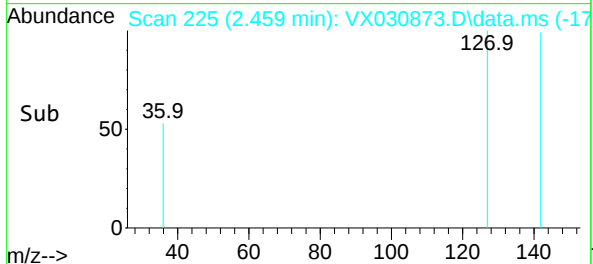
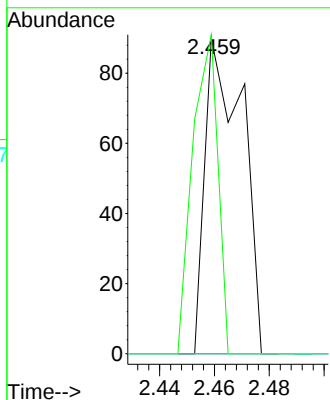
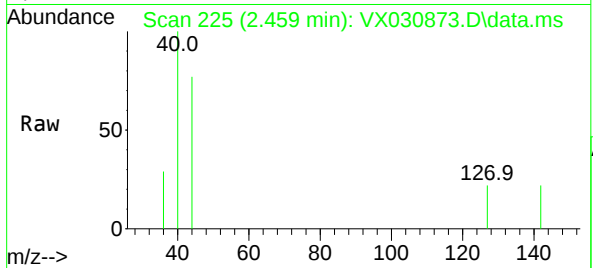




#10  
Methyl Iodide  
Concen: 4.077 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

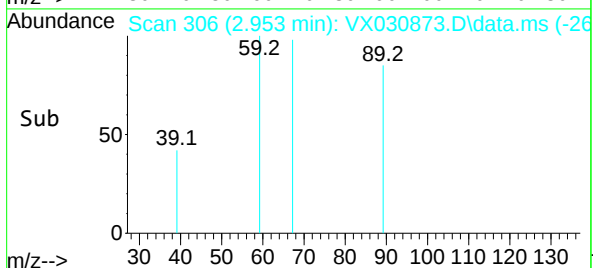
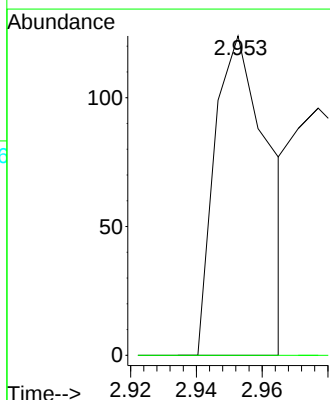
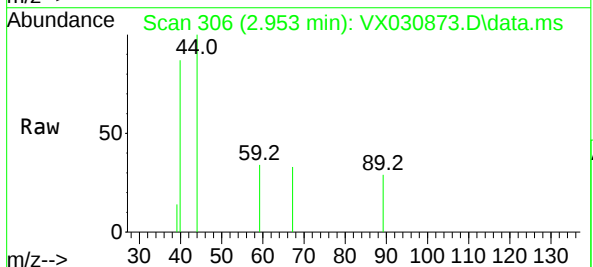
Instrument :  
MSVOA\_X  
ClientSampleId :  
256317-3

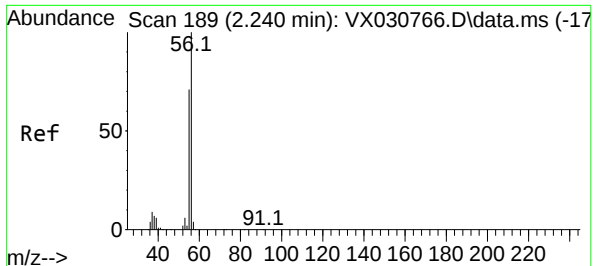
Tgt Ion:142 Resp: 85  
Ion Ratio Lower Upper  
142 100  
127 68.2 30.2 45.2#  
141 0.0 11.3 16.9#



#11  
Tert butyl alcohol  
Concen: 0.275 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.043 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion: 59 Resp: 142  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

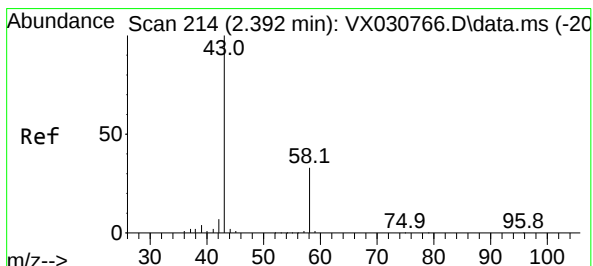
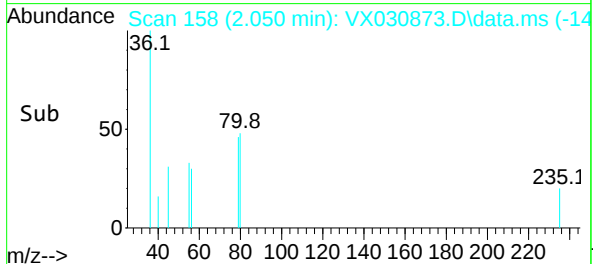
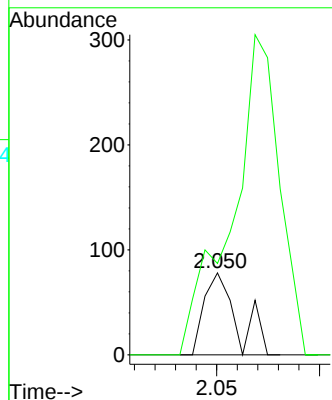
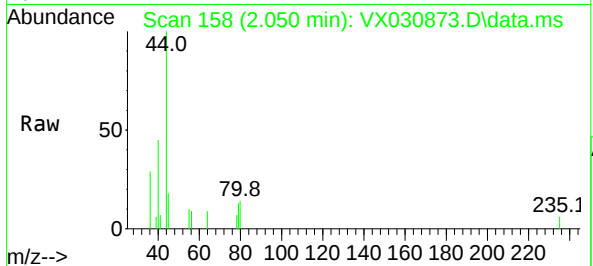




#13  
Acrolein  
Concen: 10.235 ug/l  
RT: 2.050 min Scan# 11  
Delta R.T. -0.190 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

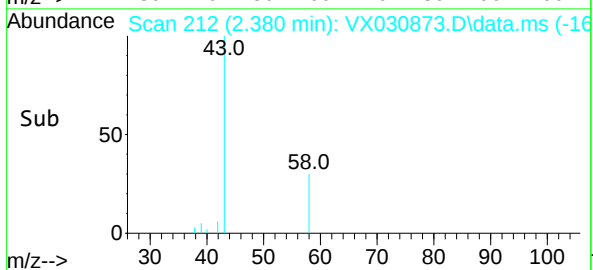
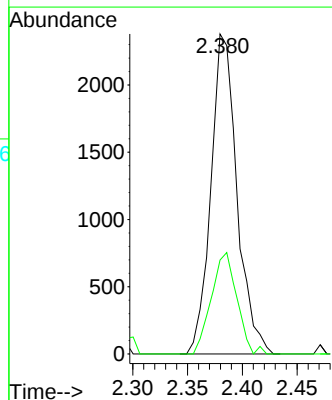
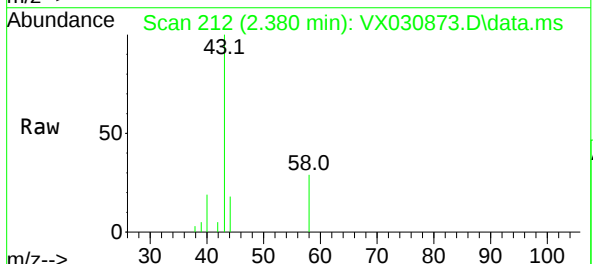
Instrument :  
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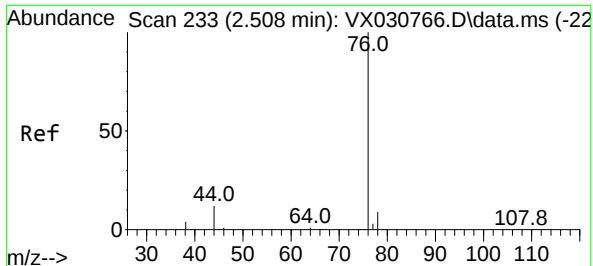
Tgt Ion: 56 Resp: 87  
Ion Ratio Lower Upper  
56 100  
55 564.4 56.6 84.8#



#16  
Acetone  
Concen: 3.589 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.012 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion: 43 Resp: 3939  
Ion Ratio Lower Upper  
43 100  
58 29.4 27.7 41.5

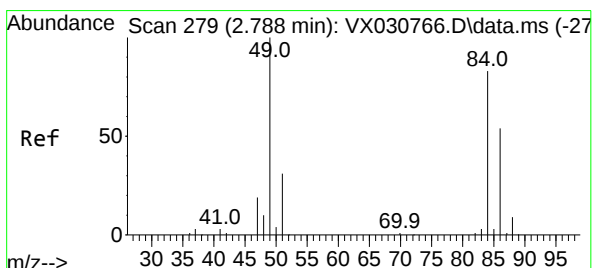
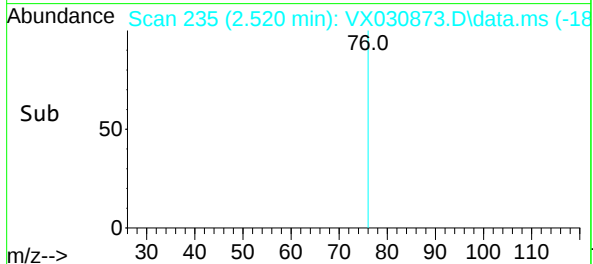
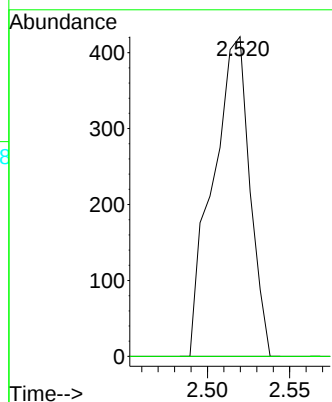
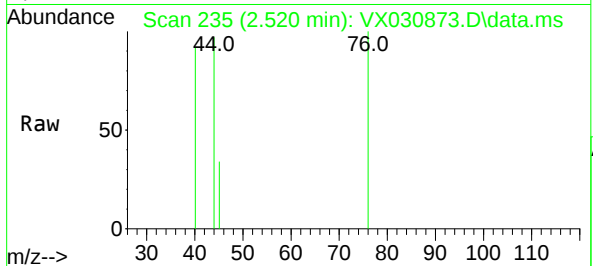




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 2.520 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

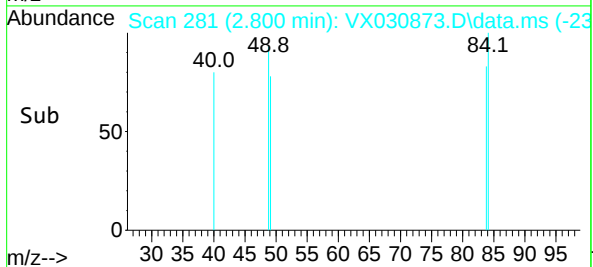
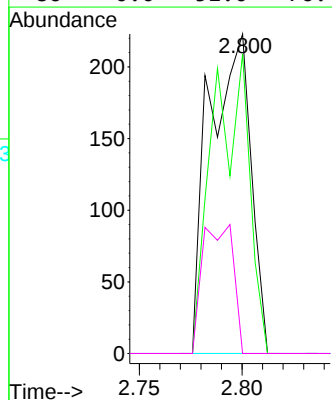
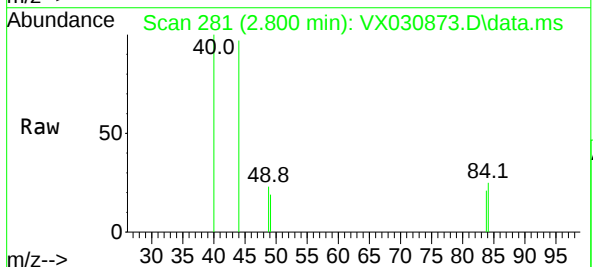
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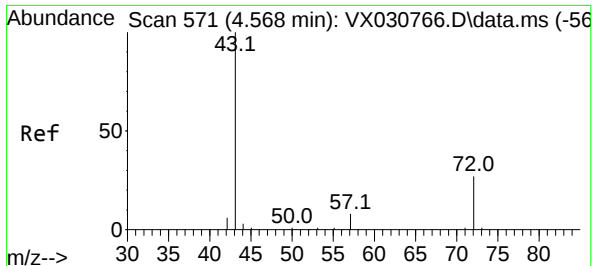
Tgt Ion: 76 Resp: 656  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.8 11.6#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.800 min Scan# 281  
Delta R.T. 0.012 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion: 84 Resp: 312  
Ion Ratio Lower Upper  
84 100  
49 93.7 93.8 140.6#  
51 0.0 29.4 44.0#  
86 0.0 51.0 76.4#

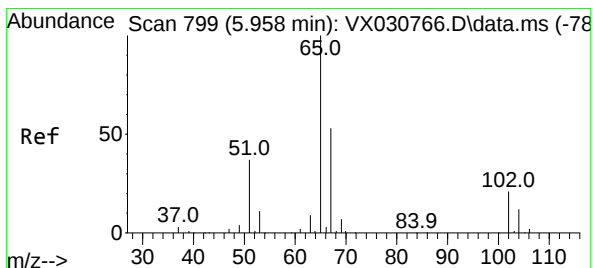
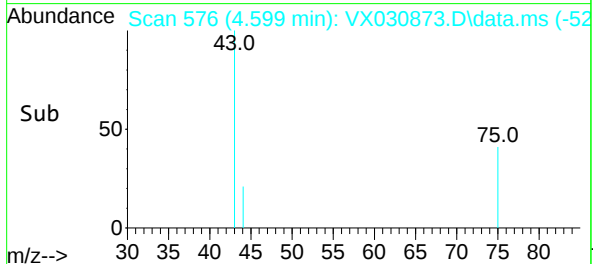
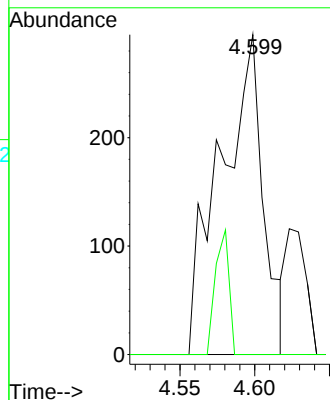
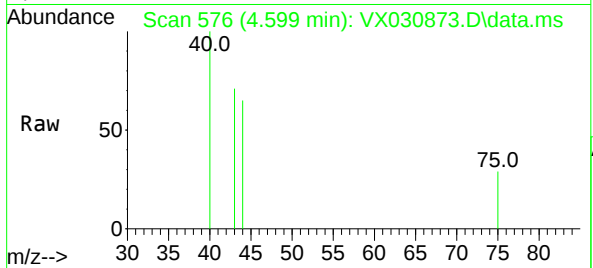




#25  
2-Butanone  
Concen: 0.333 ug/l  
RT: 4.599 min Scan# 51  
Delta R.T. 0.031 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

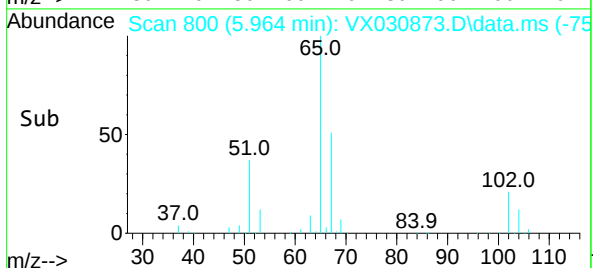
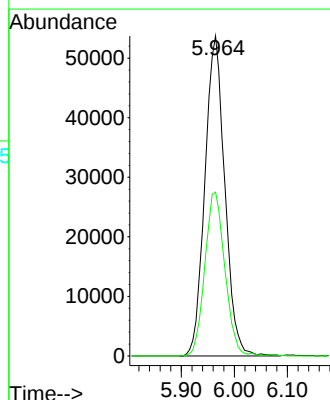
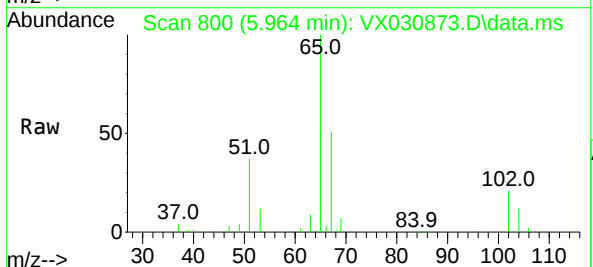
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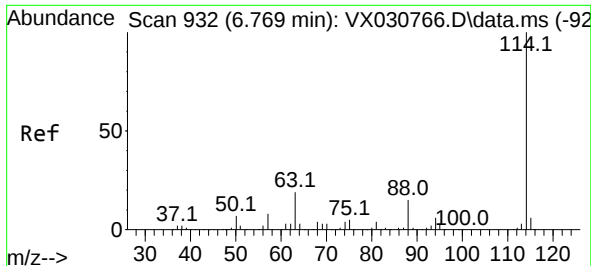
Tgt Ion: 43 Resp: 589  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.7 32.5#



#33  
1,2-Dichloroethane-d4  
Concen: 58.917 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion: 65 Resp: 139914  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 109.6

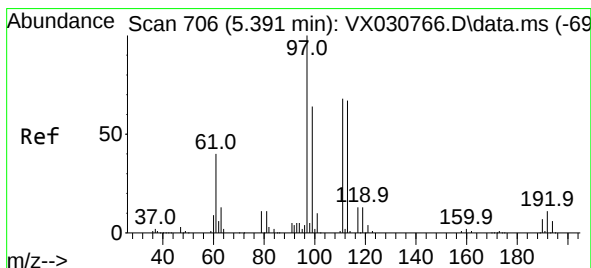
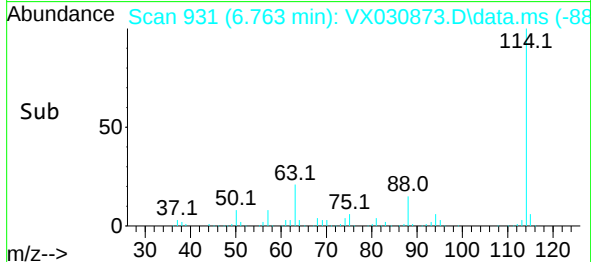
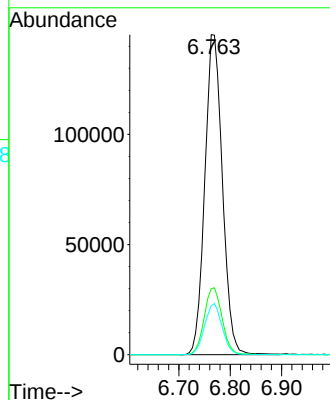
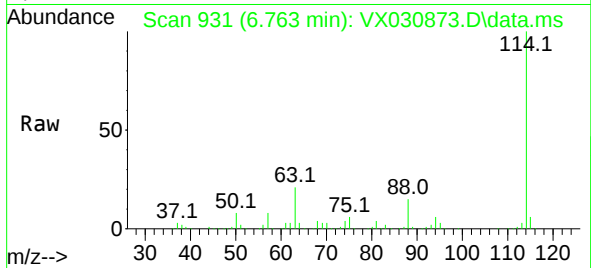




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

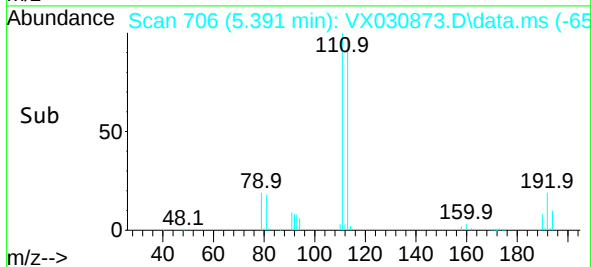
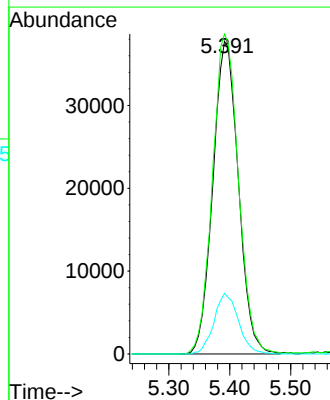
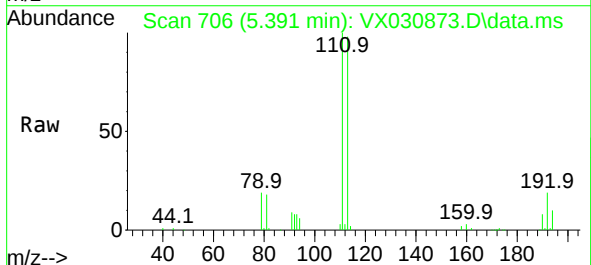
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ClientSampleId :  
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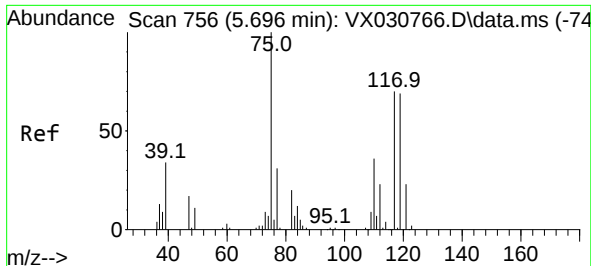
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Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 38.4  
88 15.3 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 51.580 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion:113 Resp: 109550  
Ion Ratio Lower Upper  
113 100  
111 104.6 83.2 124.8  
192 18.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.611 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX030873.D

Acq: 27 Aug 2022 16:16

Instrument :

MSVOA\_X

ClientSampleId :

256317-3

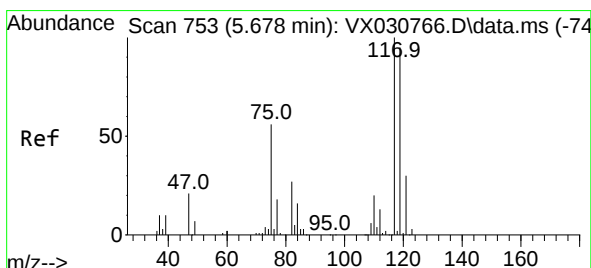
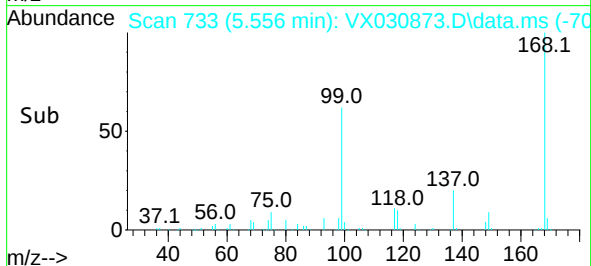
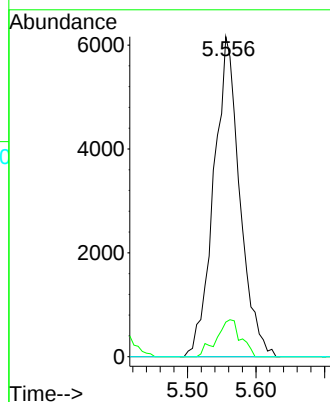
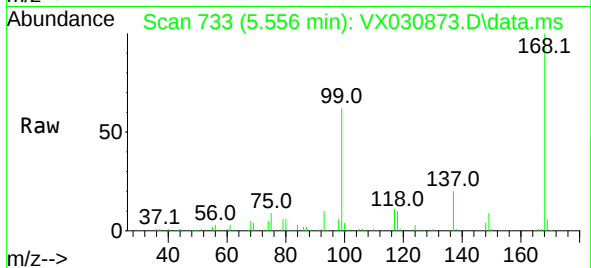
Tgt Ion: 75 Resp: 16227

Ion Ratio Lower Upper

75 100

110 10.7 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.940 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX030873.D

Acq: 27 Aug 2022 16:16

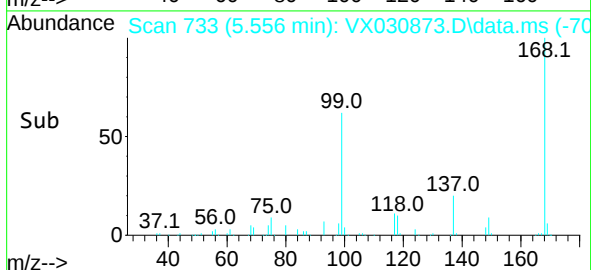
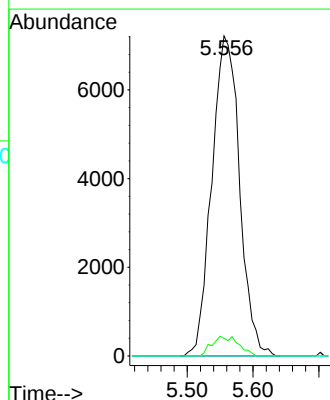
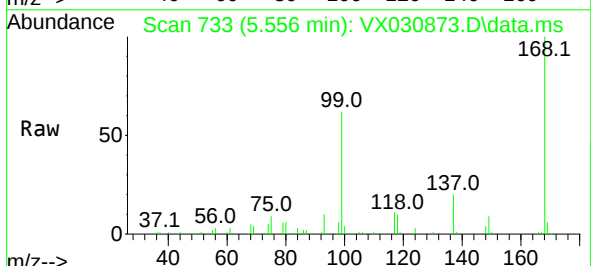
Tgt Ion: 117 Resp: 21172

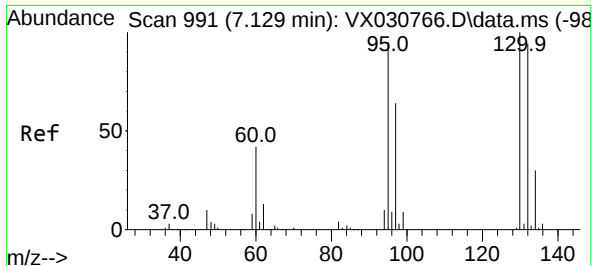
Ion Ratio Lower Upper

117 100

119 5.5 74.1 111.1#

121 0.0 25.8 38.8#

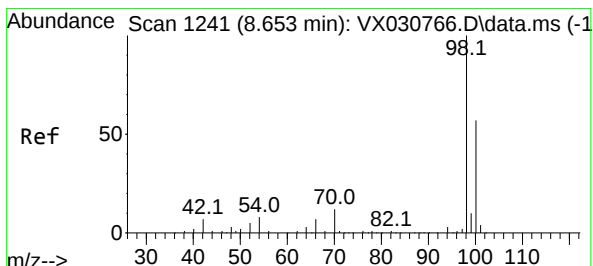
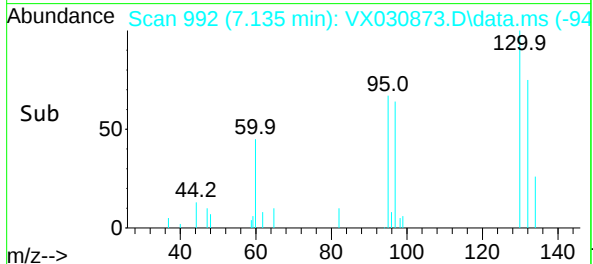
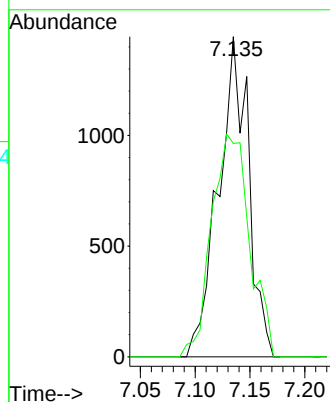
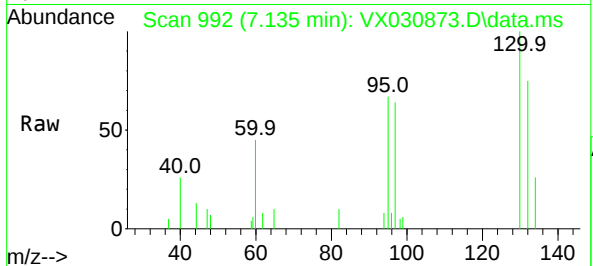




#44  
Trichloroethene  
Concen: 1.101 ug/l  
RT: 7.135 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

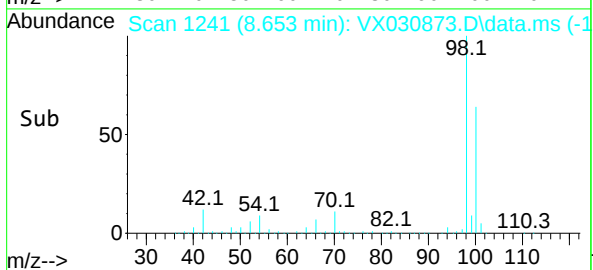
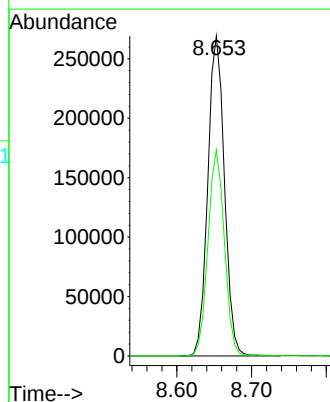
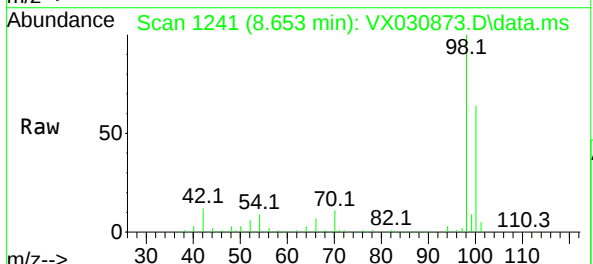
Instrument :  
MSVOA\_X  
ClientSampleId :  
256317-3

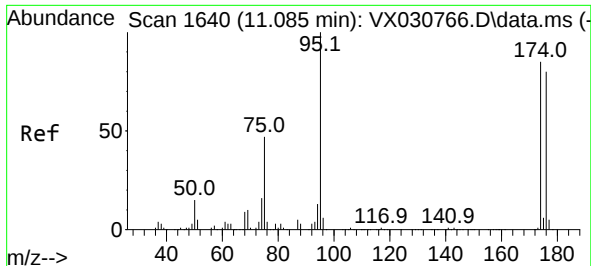
Tgt Ion:130 Resp: 2752  
Ion Ratio Lower Upper  
130 100  
95 66.7 0.0 194.8



#50  
Toluene-d8  
Concen: 56.179 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion: 98 Resp: 415781  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.3 78.5

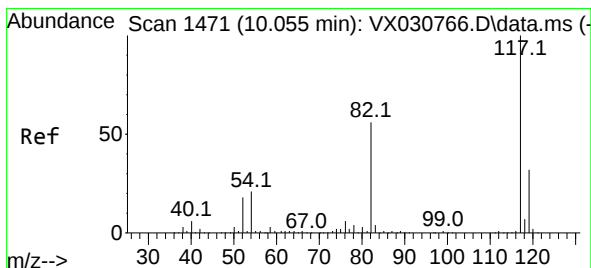
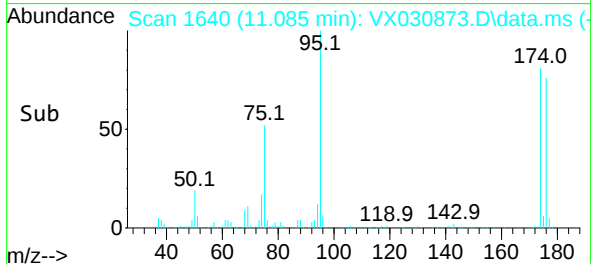
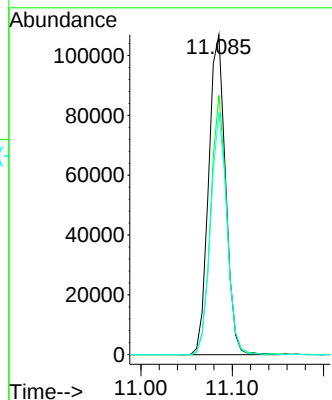
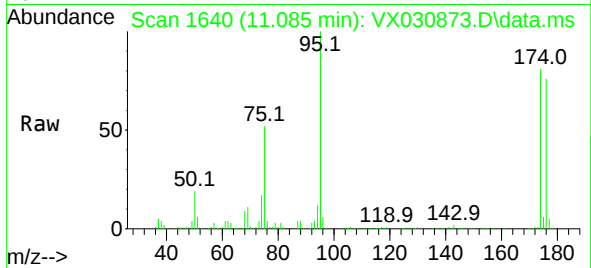




#62  
4-Bromofluorobenzene  
Concen: 49.823 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

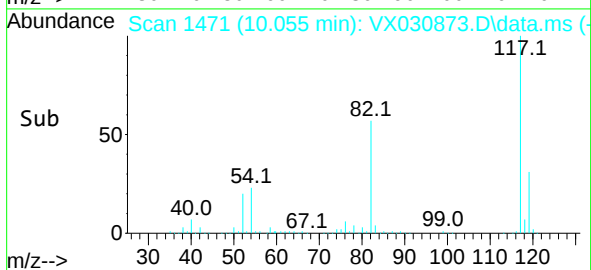
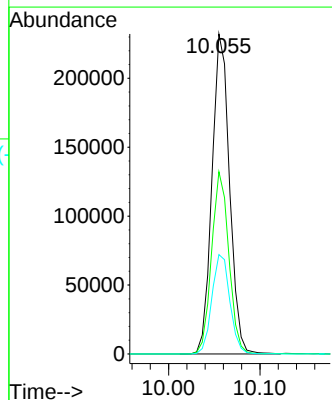
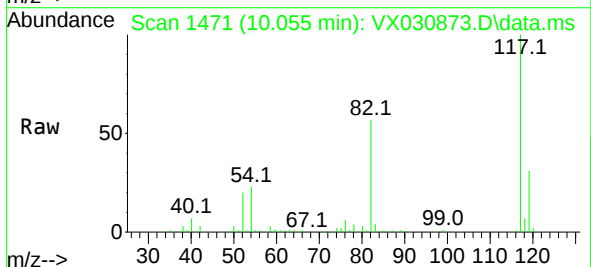
Instrument :  
MSVOA\_X  
ClientSampleId :  
256317-3

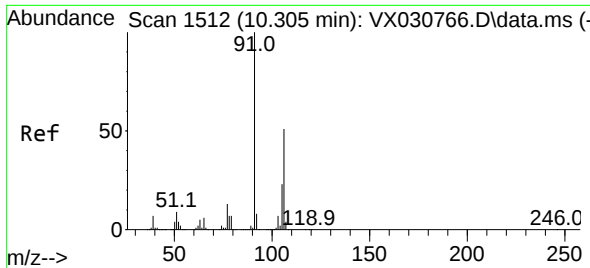
Tgt Ion: 95 Resp: 137282  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 149.0  
176 73.0 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion: 117 Resp: 310378  
Ion Ratio Lower Upper  
117 100  
82 56.9 42.7 64.1  
119 31.0 25.4 38.2

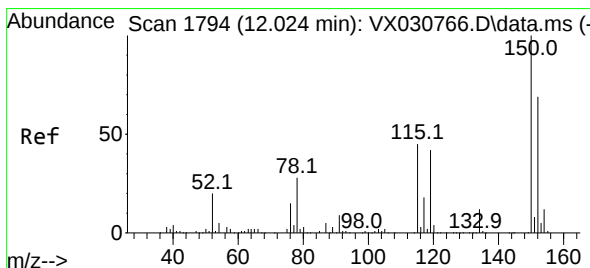
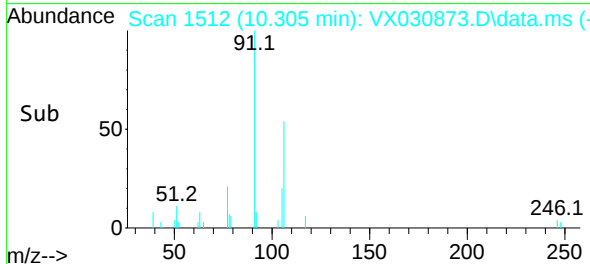
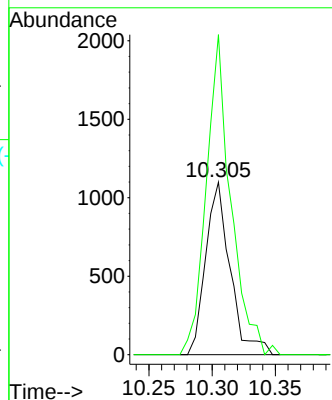
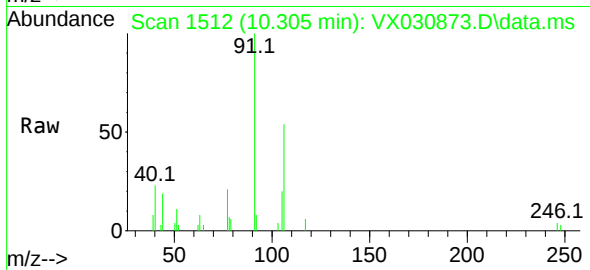




#68  
m/p-Xylenes  
Concen: 0.373 ug/l  
RT: 10.305 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

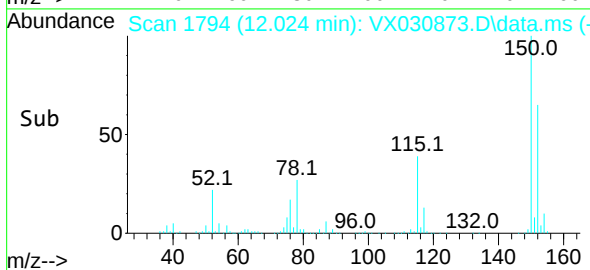
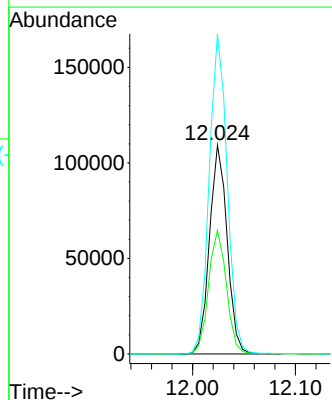
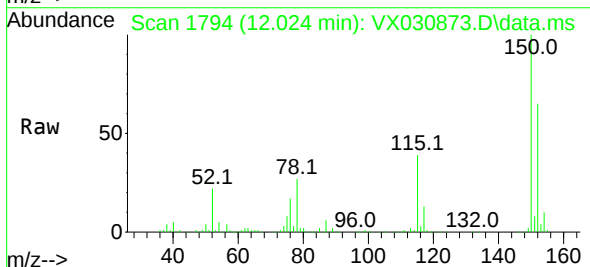
Instrument :  
MSVOA\_X  
ClientSampleId :  
256317-3

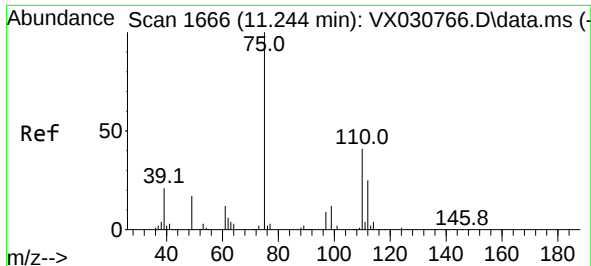
Tgt Ion:106 Resp: 1482  
Ion Ratio Lower Upper  
106 100  
91 186.0 158.2 237.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion:152 Resp: 130655  
Ion Ratio Lower Upper  
152 100  
115 59.9 40.5 121.5  
150 155.6 0.0 347.0

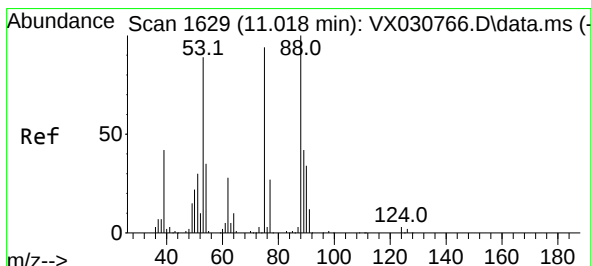
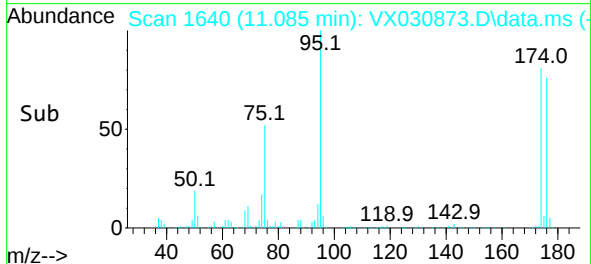
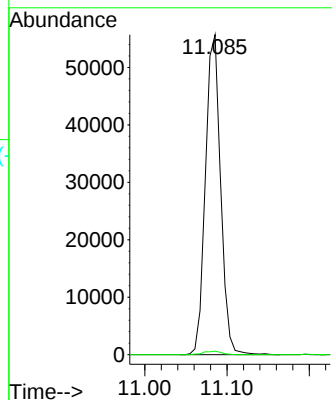
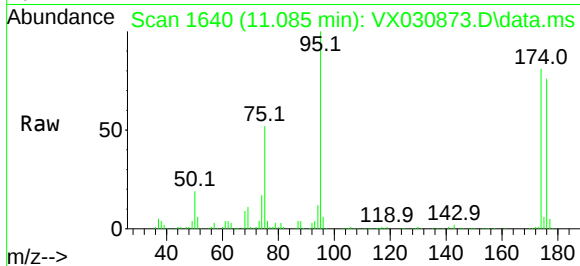




#76  
1,2,3-Trichloropropane  
Concen: 24.977 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
256317-3

Tgt Ion: 75 Resp: 71495  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.8 59.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.585 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.067 min  
Lab File: VX030873.D  
Acq: 27 Aug 2022 16:16

Tgt Ion: 75 Resp: 71495  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.2 111.4#  
89 0.1 34.8 52.2#

