

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032822\  
 Data File : VD072456.D  
 Acq On : 28 Mar 2022 20:44  
 Operator : VA/SY  
 Sample : N2103-09  
 Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHRT-20019

Quant Time: Mar 29 01:32:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

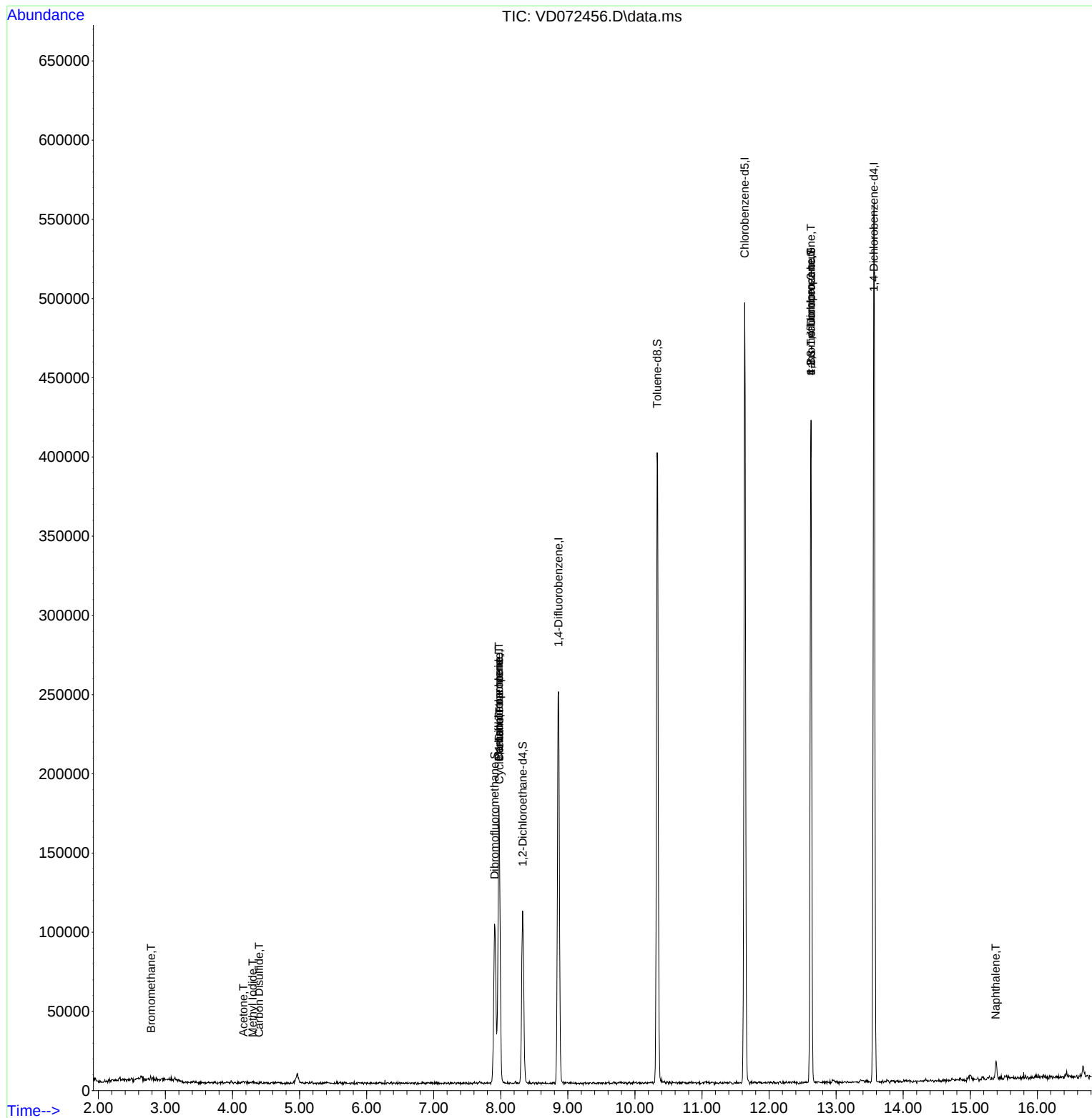
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.973          | 168  | 121454              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 212057              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 269709              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 148455              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 84959               | 62.768    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 125.540% |           |        |          |
| 35) Dibromofluoromethane      | 7.908          | 113  | 73604               | 49.324    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 98.640%  |           |        |          |
| 50) Toluene-d8                | 10.332         | 98   | 269734              | 49.434    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 98.860%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.626         | 95   | 138946              | 65.536    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 131.080% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 5) Bromomethane               | 2.785          | 94   | 921                 | 1.468     | ug/l # | 58       |
| 10) Methyl Iodide             | 4.303          | 142  | 958                 | 2.963     | ug/l # | 45       |
| 16) Acetone                   | 4.162          | 43   | 1990                | 6.771     | ug/l # | 47       |
| 17) Carbon Disulfide          | 4.397          | 76   | 650                 | 1.743     | ug/l # | 74       |
| 20) Methylene Chloride        | 4.961          | 84   | 3946                | Below Cal | #      | 81       |
| 31) Cyclohexane               | 7.979          | 56   | 2690                | 1.272     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.973          | 75   | 11194               | 5.347     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.973          | 117  | 12633               | 5.309     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.626         | 75   | 72459               | 44.247    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626         | 75   | 72459               | 109.782   | ug/l # | 7        |
| 95) Naphthalene               | 15.379         | 128  | 9230                | 1.672     | ug/l   | 98       |
| -----                         |                |      |                     |           |        |          |

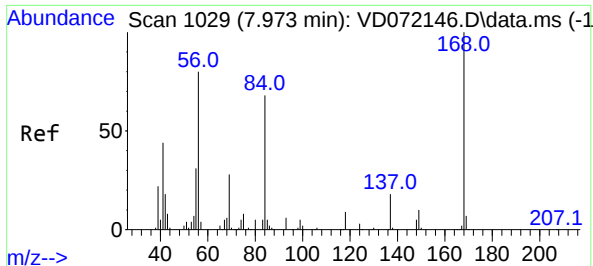
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032822\  
Data File : VD072456.D  
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Sample : N2103-09  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-20019

Quant Time: Mar 29 01:32:23 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 14 05:18:06 2022  
Response via : Initial Calibration

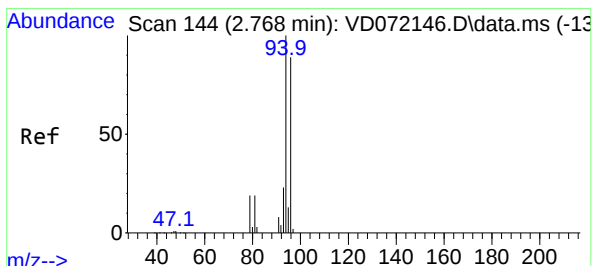
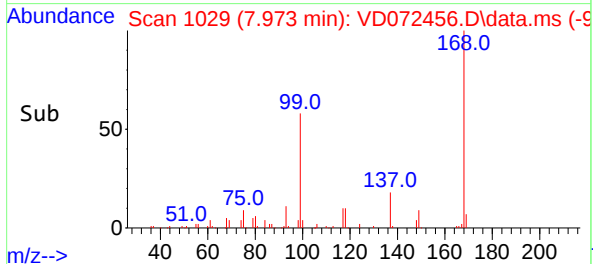
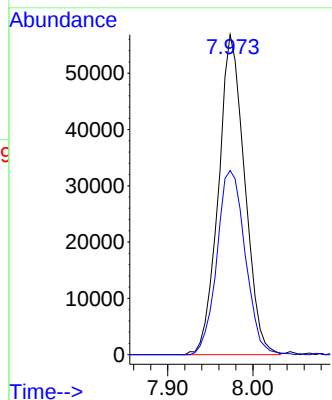
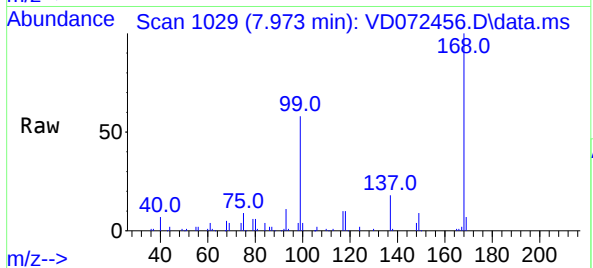




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

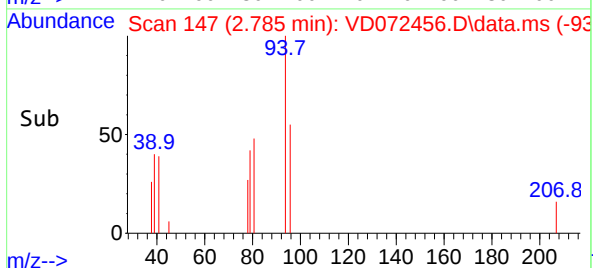
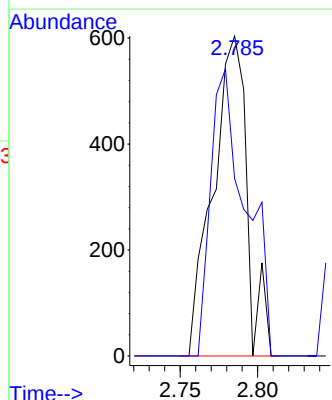
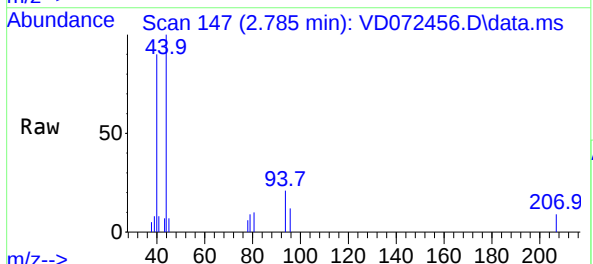
Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-20019

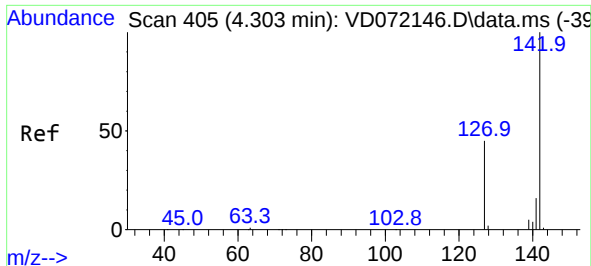
Tgt Ion:168 Resp: 121454  
Ion Ratio Lower Upper  
168 100  
99 57.5 49.8 74.6



#5  
Bromomethane  
Concen: 1.468 ug/l  
RT: 2.785 min Scan# 147  
Delta R.T. 0.018 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

Tgt Ion: 94 Resp: 921  
Ion Ratio Lower Upper  
94 100  
96 55.5 77.6 116.4#

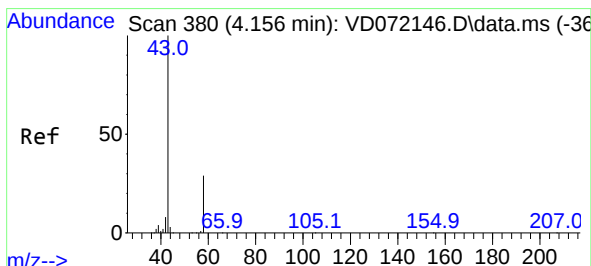
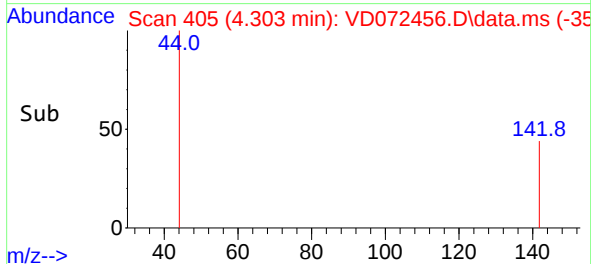
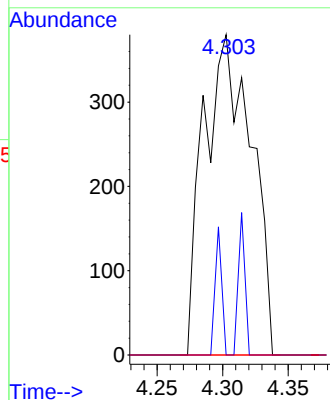
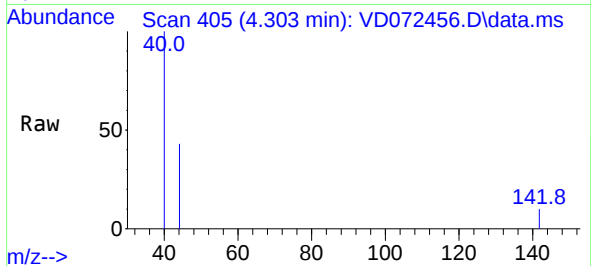




#10  
Methyl Iodide  
Concen: 2.963 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

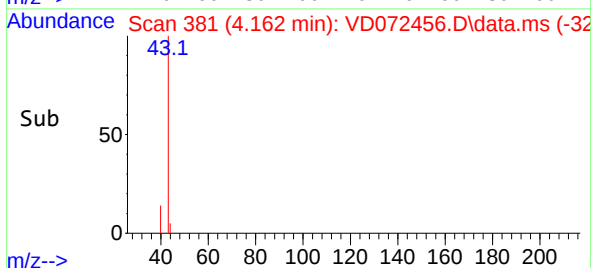
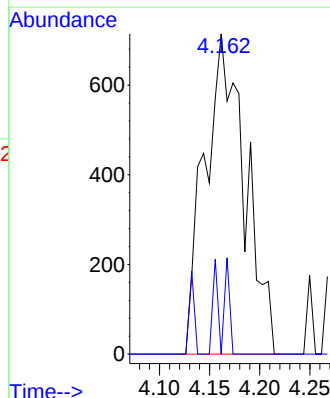
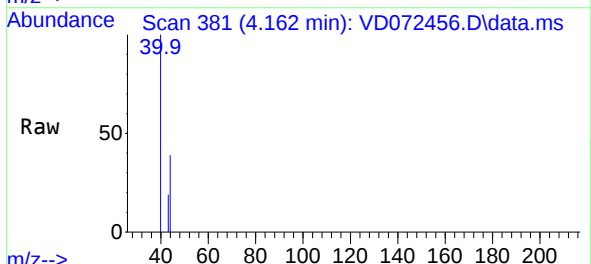
Instrument :  
MSVOA\_D  
ClientSampleId :  
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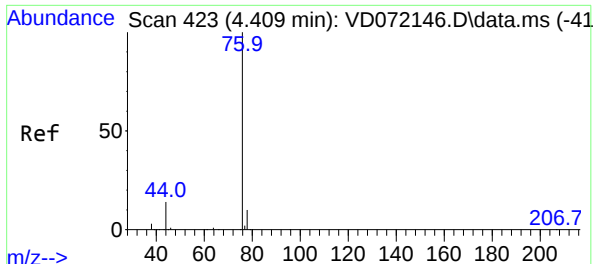
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 958   |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 5.6   | 37.3  | 55.9# |
| 141      | 0.0   | 11.7  | 17.5# |



#16  
Acetone  
Concen: 6.771 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1990  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 0.0   | 22.1  | 33.1# |

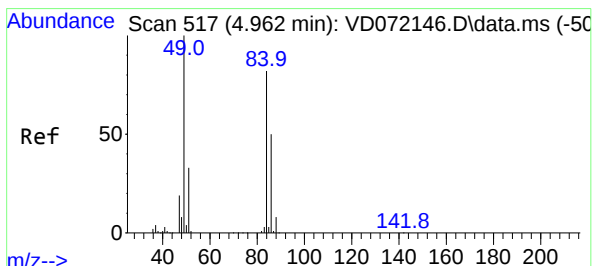
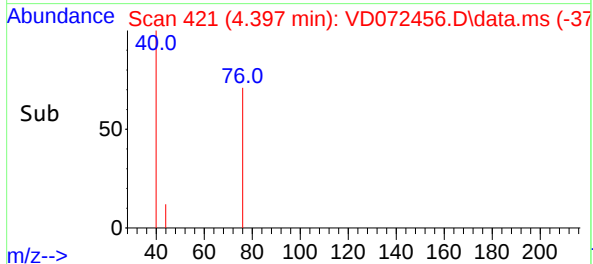
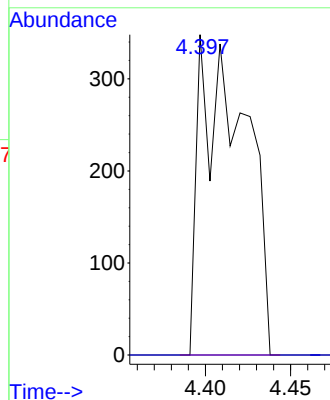
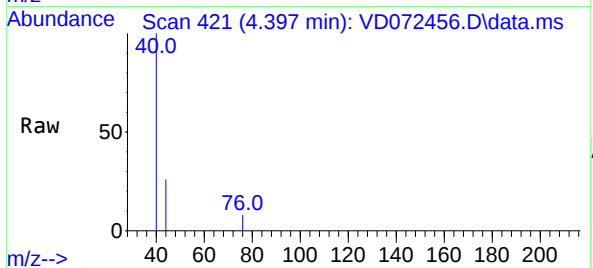




#17  
Carbon Disulfide  
Concen: 1.743 ug/l  
RT: 4.397 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

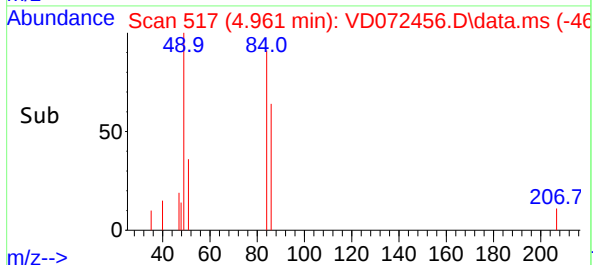
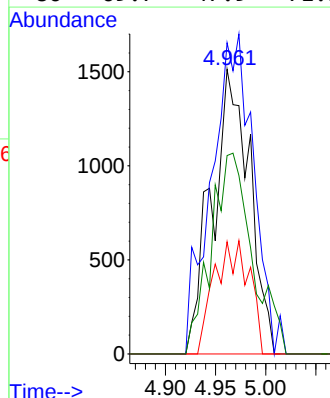
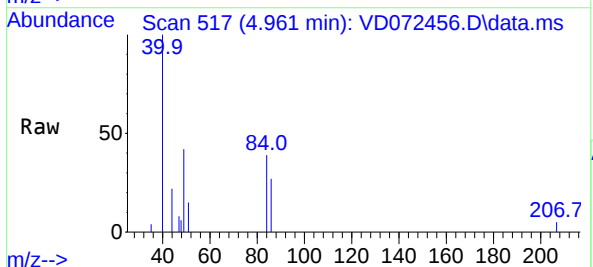
Instrument :  
MSVOA\_D  
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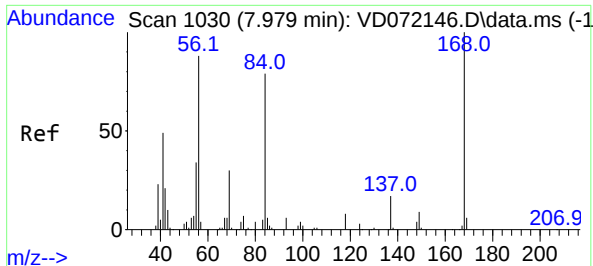
Tgt Ion: 76 Resp: 650  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.961 min Scan# 517  
Delta R.T. -0.001 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

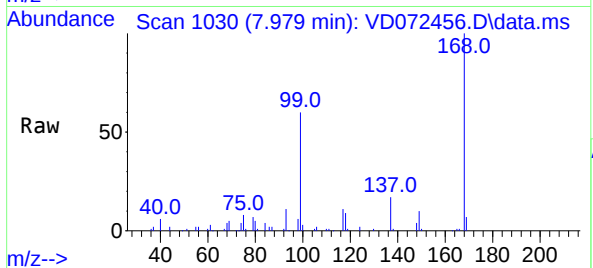
Tgt Ion: 84 Resp: 3946  
Ion Ratio Lower Upper  
84 100  
49 109.3 112.8 169.2#  
51 39.4 32.6 48.8  
86 69.7 47.9 71.9



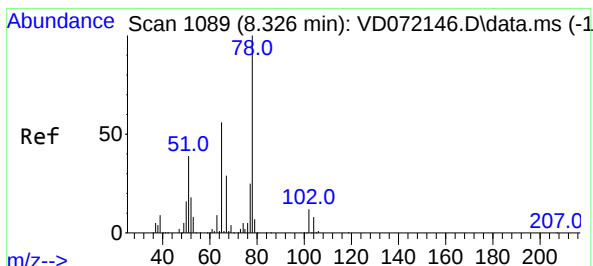
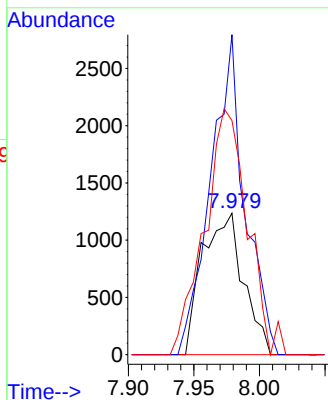
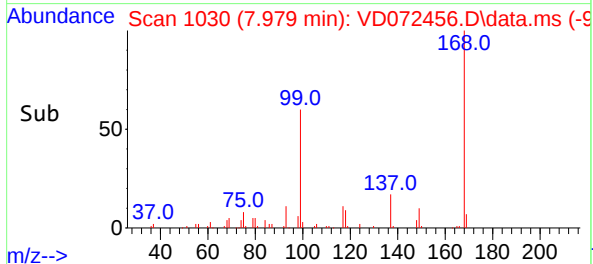


#31  
Cyclohexane  
Concen: 1.272 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

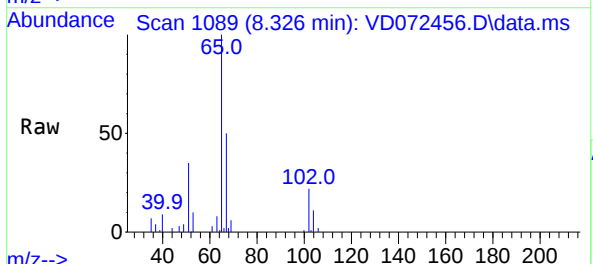
Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-20019



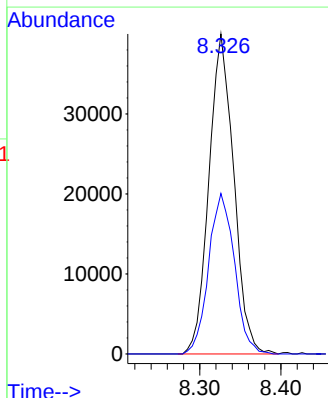
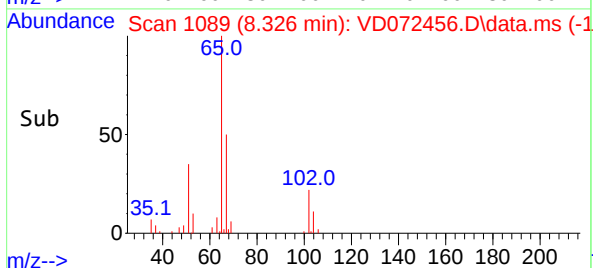
Tgt Ion: 56 Resp: 2690  
Ion Ratio Lower Upper  
56 100  
69 226.1 25.4 38.2#  
84 151.8 63.0 94.4#

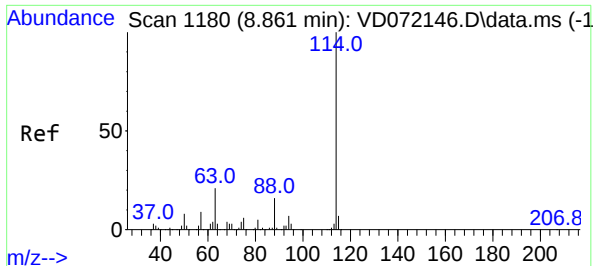


#33  
1,2-Dichloroethane-d4  
Concen: 62.768 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44



Tgt Ion: 65 Resp: 84959  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072456.D

Acq: 28 Mar 2022 20:44

Instrument :

MSVOA\_D

ClientSampleId :

CHRT-20019

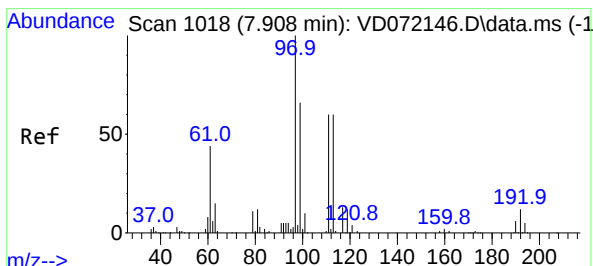
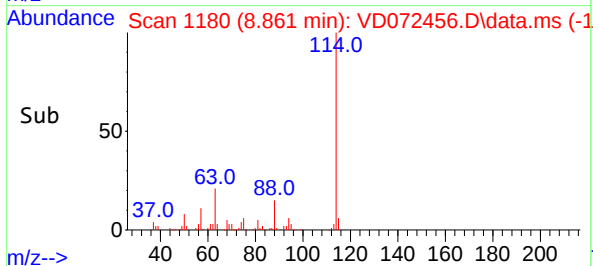
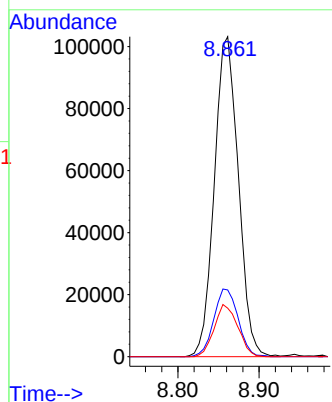
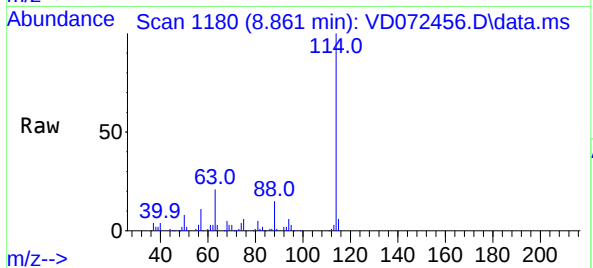
Tgt Ion:114 Resp: 212057

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.324 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072456.D

Acq: 28 Mar 2022 20:44

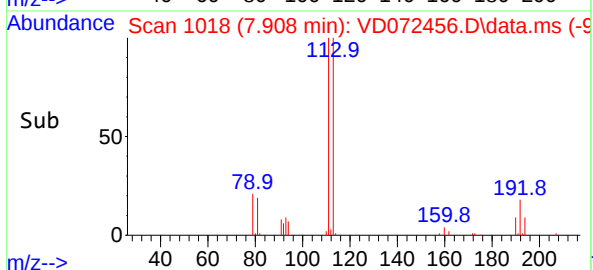
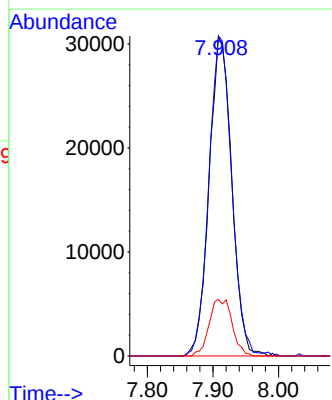
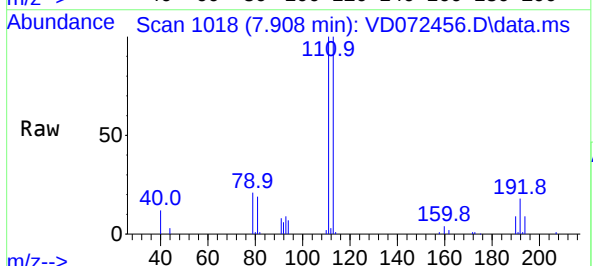
Tgt Ion:113 Resp: 73604

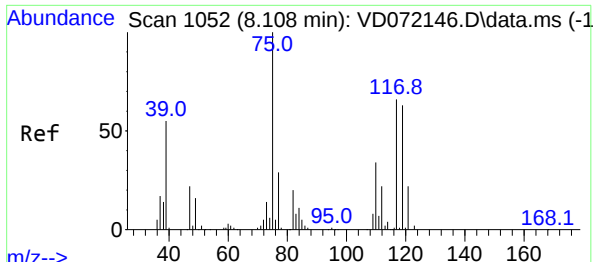
Ion Ratio Lower Upper

113 100

111 101.1 83.8 125.6

192 18.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.347 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072456.D

Acq: 28 Mar 2022 20:44

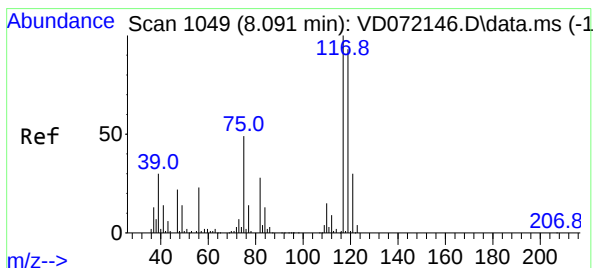
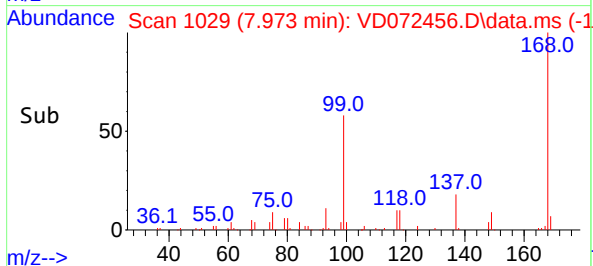
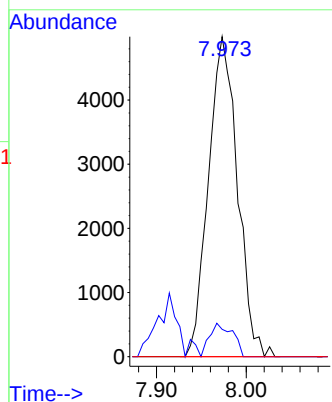
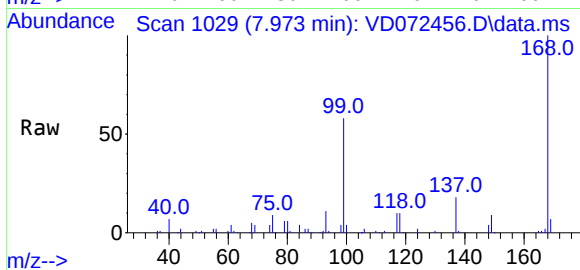
Instrument :

MSVOA\_D

ClientSampleId :

CHRT-20019

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 11194 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 8.3     | 16.4 49.1#  |
| 77 0.0      | 24.2 36.2#  |



#38

Carbon Tetrachloride

Concen: 5.309 ug/l

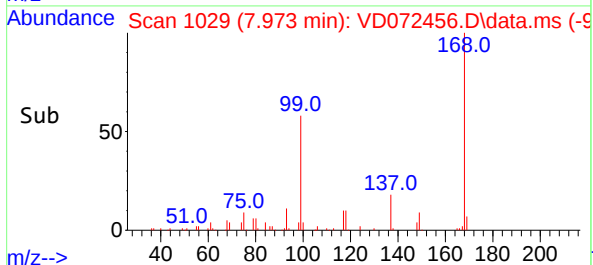
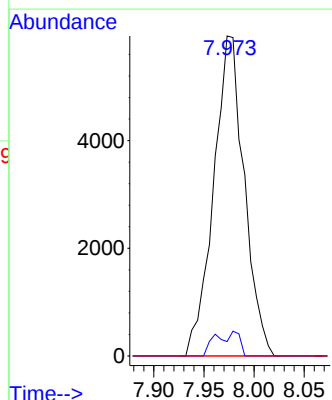
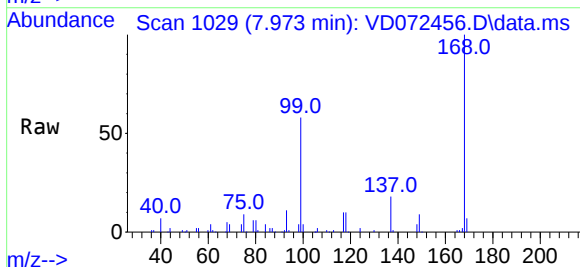
RT: 7.973 min Scan# 1029

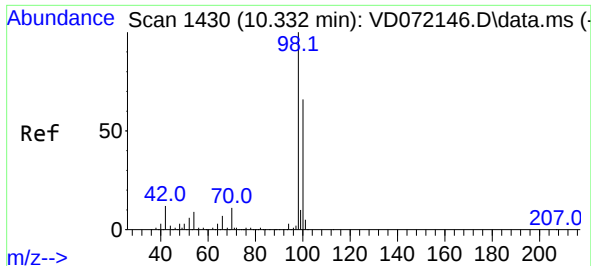
Delta R.T. -0.118 min

Lab File: VD072456.D

Acq: 28 Mar 2022 20:44

|              |             |
|--------------|-------------|
| Tgt Ion: 117 | Resp: 12633 |
| Ion Ratio    | Lower Upper |
| 117 100      |             |
| 119 4.5      | 75.8 113.6# |
| 121 0.0      | 24.5 36.7#  |

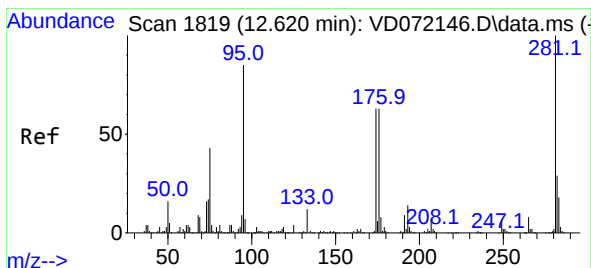
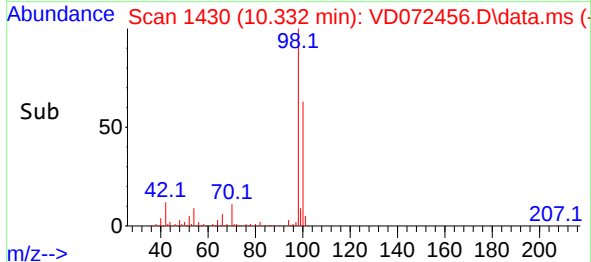
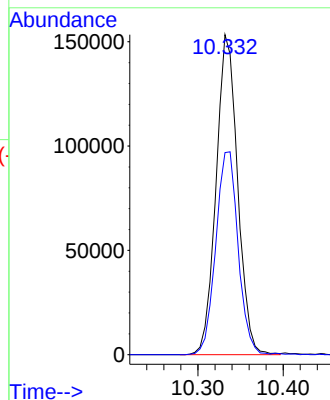
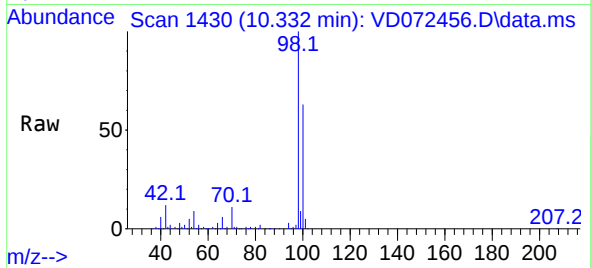




#50  
Toluene-d8  
Concen: 49.434 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

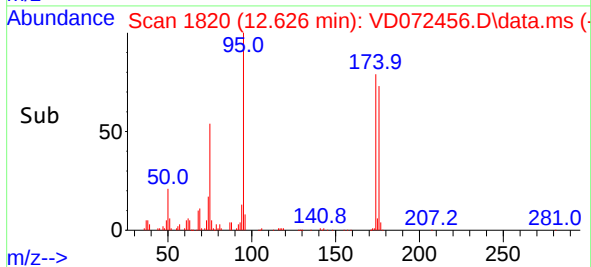
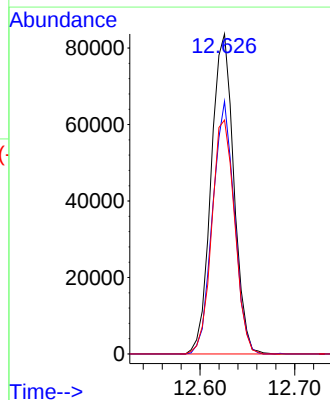
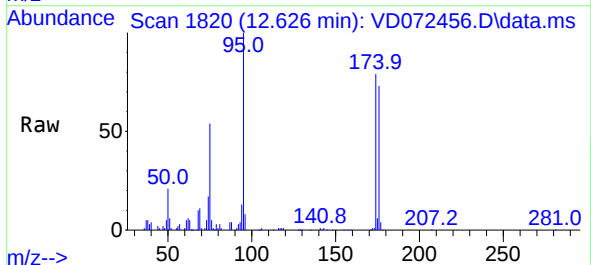
Instrument :  
MSVOA\_D  
ClientSampleId :  
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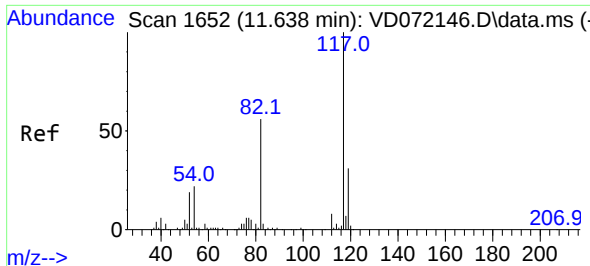
Tgt Ion: 98 Resp: 269734  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 65.536 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

Tgt Ion: 95 Resp: 138946  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 152.8  
176 73.8 0.0 145.4

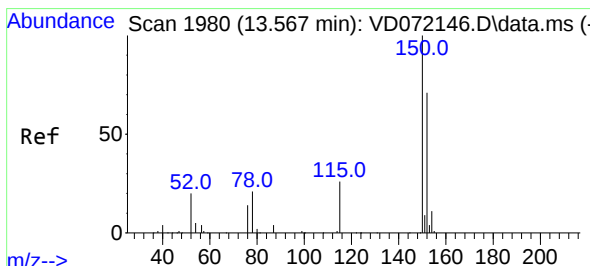
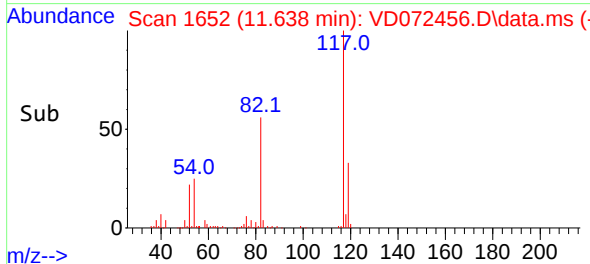
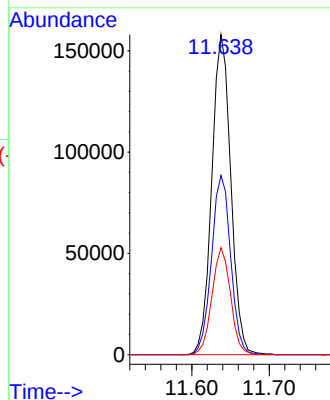
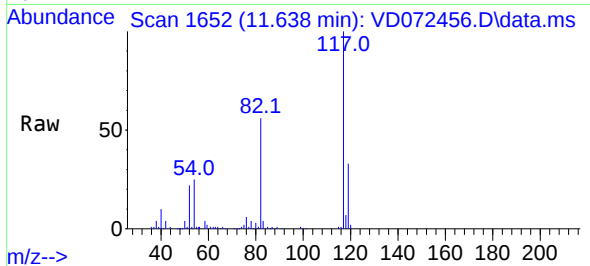




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

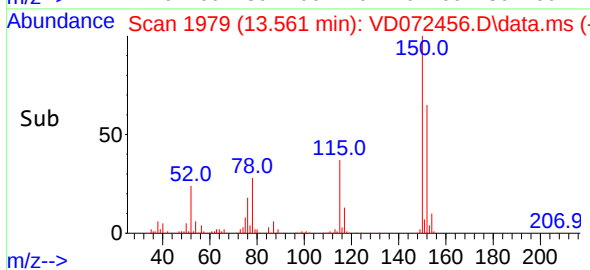
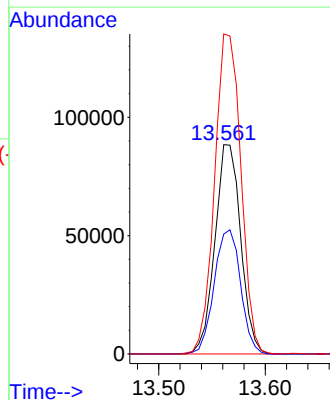
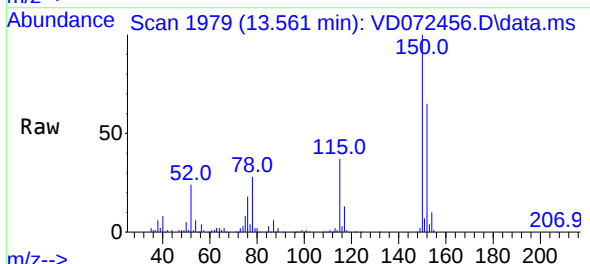
Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-20019

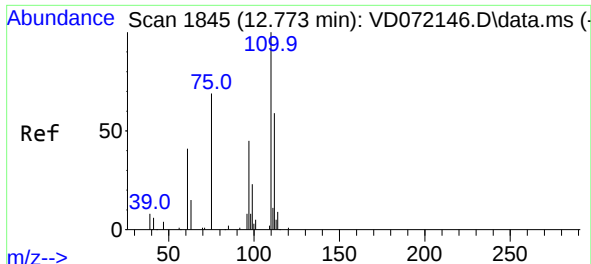
Tgt Ion:117 Resp: 269709  
Ion Ratio Lower Upper  
117 100  
82 56.0 45.3 67.9  
119 33.5 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

Tgt Ion:152 Resp: 148455  
Ion Ratio Lower Upper  
152 100  
115 60.8 31.3 93.8  
150 156.1 0.0 348.6

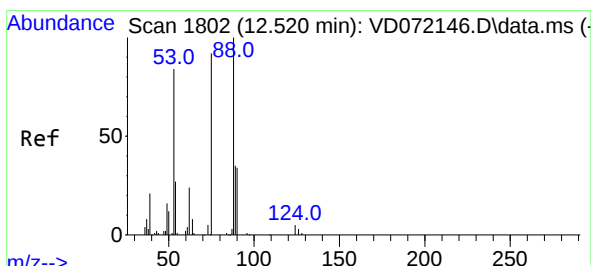
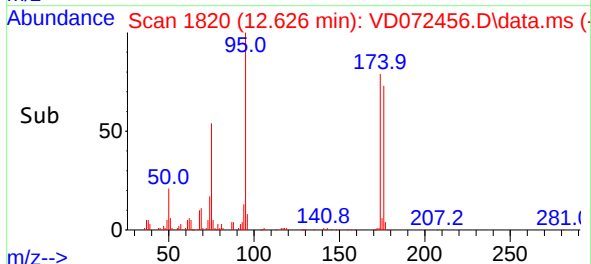
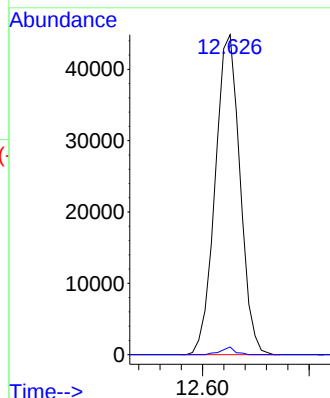
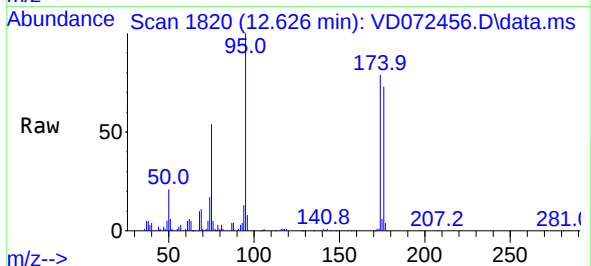




#76  
1,2,3-Trichloropropane  
Concen: 44.247 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

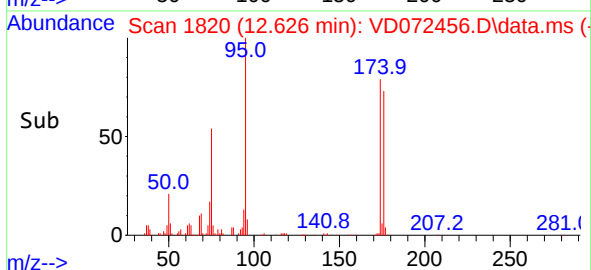
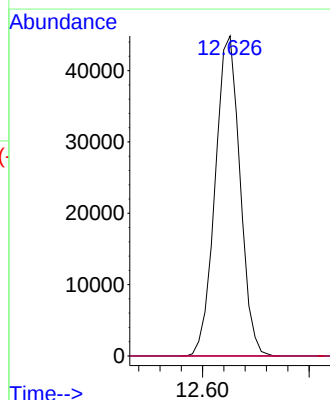
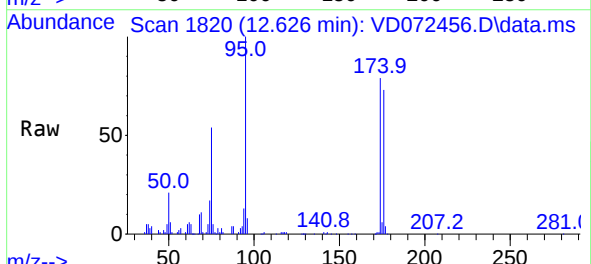
Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-20019

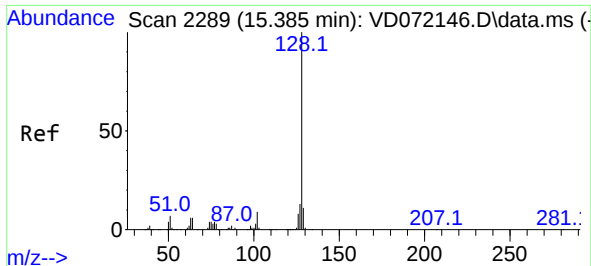
Tgt Ion: 75 Resp: 72459  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 109.782 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

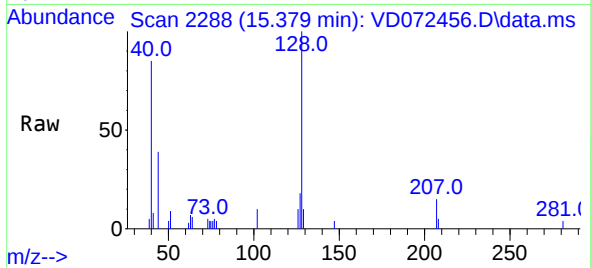
Tgt Ion: 75 Resp: 72459  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.5 129.7#  
89 0.0 33.9 50.9#





#95  
Naphthalene  
Concen: 1.672 ug/l  
RT: 15.379 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD072456.D  
Acq: 28 Mar 2022 20:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-20019



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 9230  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.0  | 10.3  | 15.5  |
| 129      | 10.9  | 8.4   | 12.6  |

