

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050322\  
 Data File : VD072770.D  
 Acq On : 03 May 2022 15:55  
 Operator : VA/SY  
 Sample : N2611-01  
 Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JC-01-042822

Quant Time: May 04 01:26:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

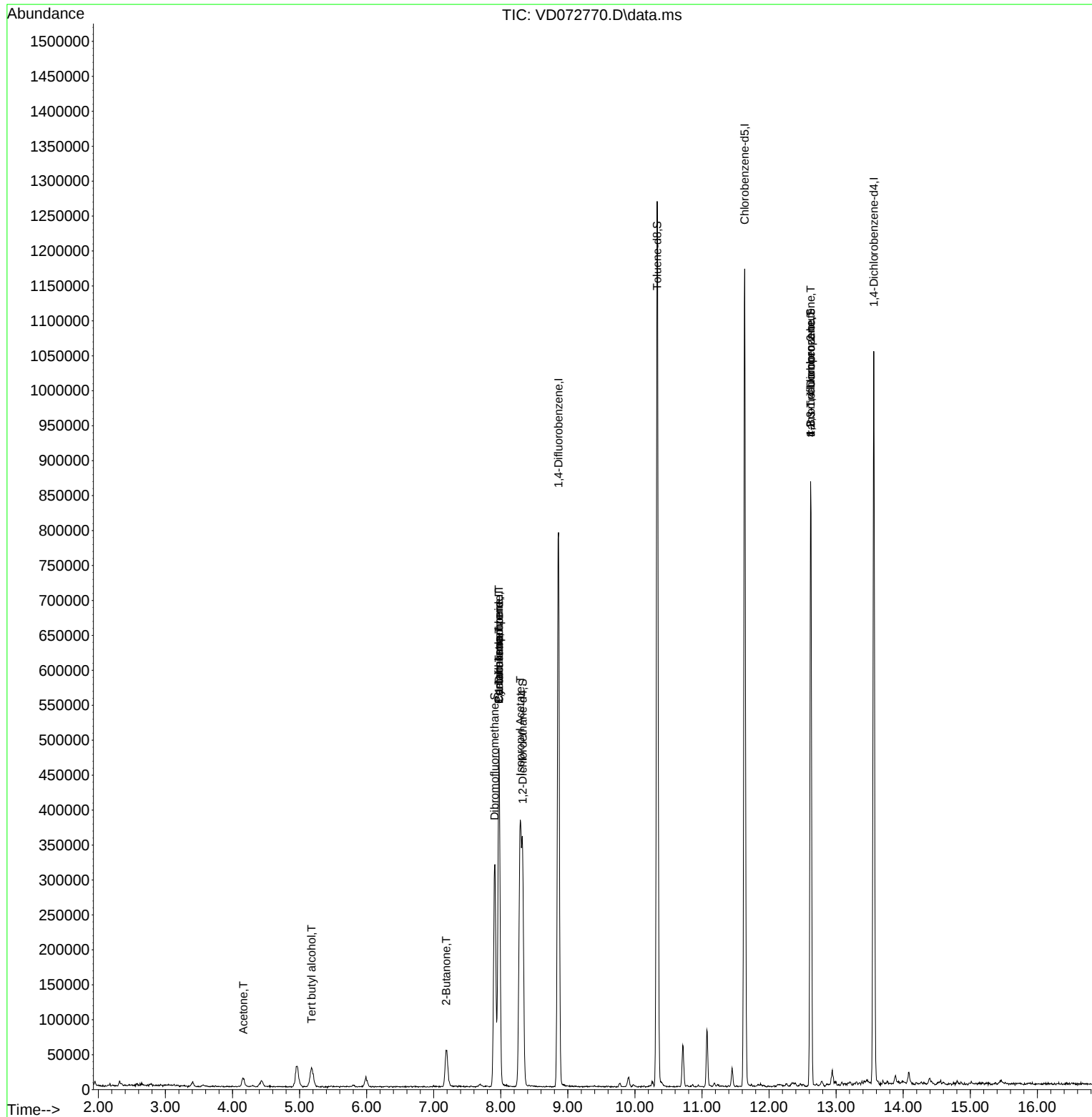
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.973          | 168  | 336445              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 685134              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 652113              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 265255              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 246035              | 56.335    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 112.680% |           |        |          |
| 35) Dibromofluoromethane      | 7.908          | 113  | 235086              | 48.856    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 97.720%  |           |        |          |
| 50) Toluene-d8                | 10.332         | 98   | 839313              | 48.627    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 97.260%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 281252              | 43.701    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 87.400%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 5) Bromomethane               | 2.785          | 94   | 1360                | Below Cal | #      | 68       |
| 11) Tert butyl alcohol        | 5.179          | 59   | 25562               | 67.649    | ug/l # | 75       |
| 16) Acetone                   | 4.161          | 43   | 23766               | 16.025    | ug/l   | 100      |
| 18) Methyl Acetate            | 4.732          | 43   | 80                  | Below Cal | #      | 55       |
| 20) Methylene Chloride        | 4.956          | 84   | 22210               | Below Cal |        | 87       |
| 25) 2-Butanone                | 7.185          | 43   | 4003                | 3.146     | ug/l # | 71       |
| 31) Cyclohexane               | 7.973          | 56   | 8428                | 1.104     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.973          | 75   | 30209               | 3.861     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.973          | 117  | 34547               | 4.254     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.291          | 43   | 10560               | 1.591     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.620         | 75   | 149311              | 50.481    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620         | 75   | 149311              | 116.086   | ug/l # | 7        |
| -----                         |                |      |                     |           |        |          |

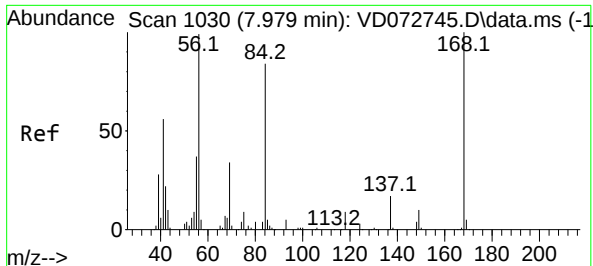
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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JC-01-042822

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 03 08:33:49 2022  
Response via : Initial Calibration

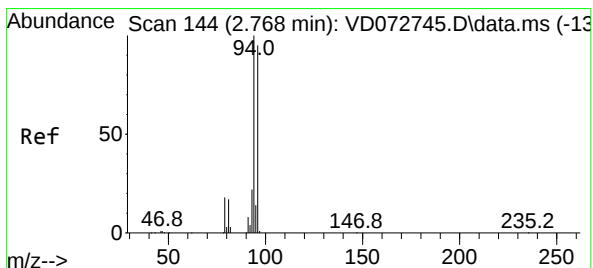
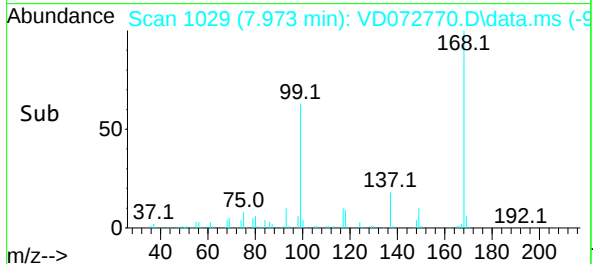
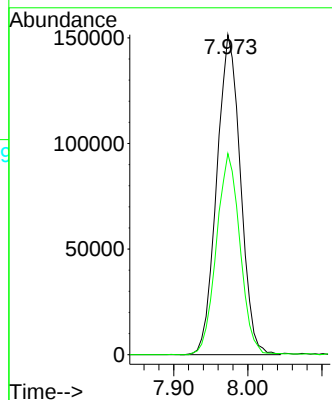
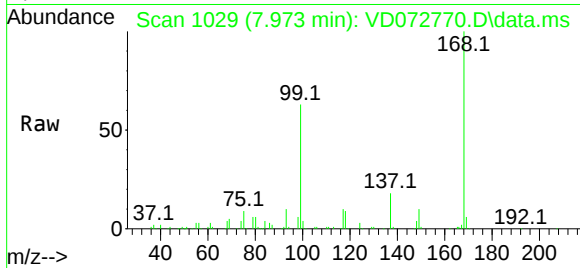




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

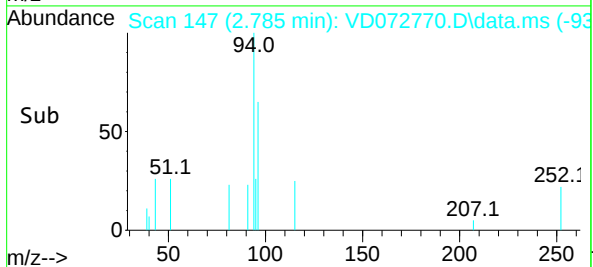
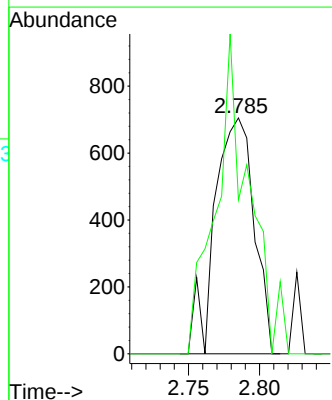
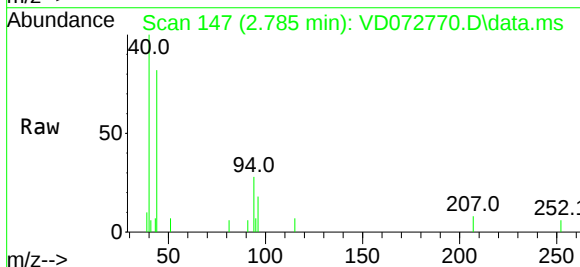
Instrument :  
MSVOA\_D  
ClientSampleId :  
JC-01-042822

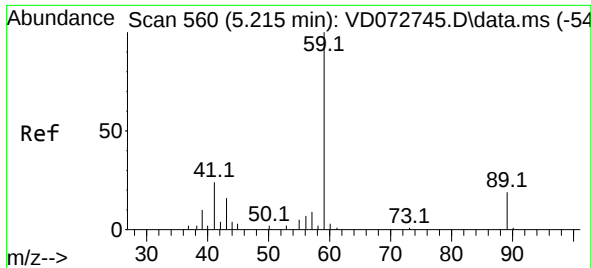
Tgt Ion:168 Resp: 336445  
Ion Ratio Lower Upper  
168 100  
99 62.9 49.8 74.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.785 min Scan# 147  
Delta R.T. 0.017 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

Tgt Ion: 94 Resp: 1360  
Ion Ratio Lower Upper  
94 100  
96 65.2 77.6 116.4#

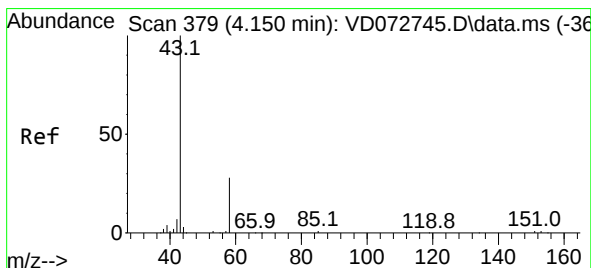
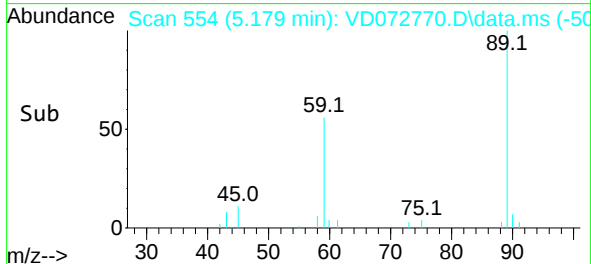
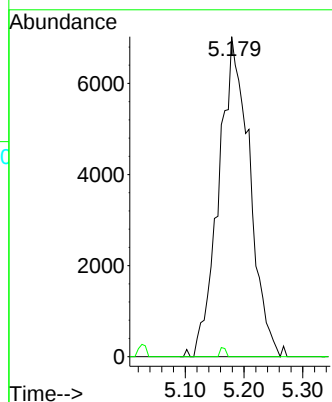
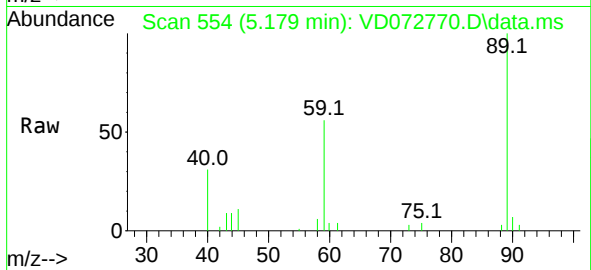




#11  
Tert butyl alcohol  
Concen: 67.649 ug/l  
RT: 5.179 min Scan# 51  
Delta R.T. -0.036 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

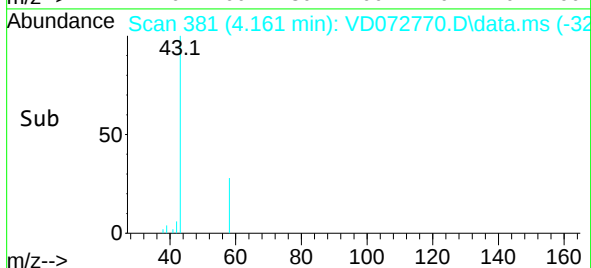
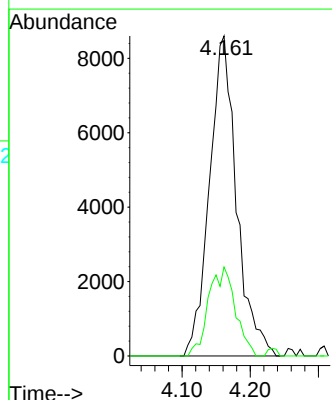
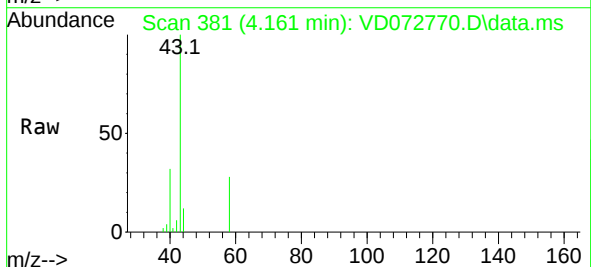
Instrument :  
MSVOA\_D  
ClientSampleId :  
JC-01-042822

Tgt Ion: 59 Resp: 25562  
Ion Ratio Lower Upper  
59 100  
57 0.5 7.8 11.6#



#16  
Acetone  
Concen: 16.025 ug/l  
RT: 4.161 min Scan# 381  
Delta R.T. 0.011 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

Tgt Ion: 43 Resp: 23766  
Ion Ratio Lower Upper  
43 100  
58 27.8 22.1 33.1



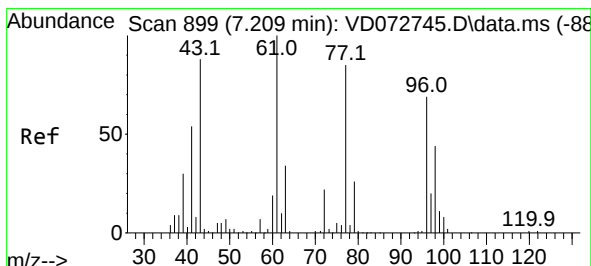
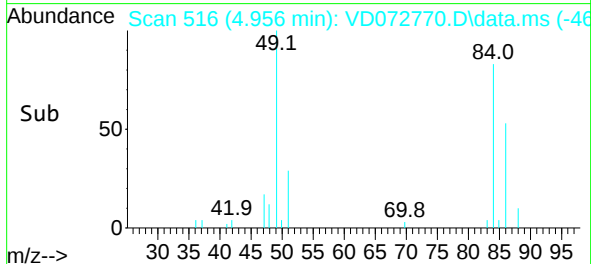
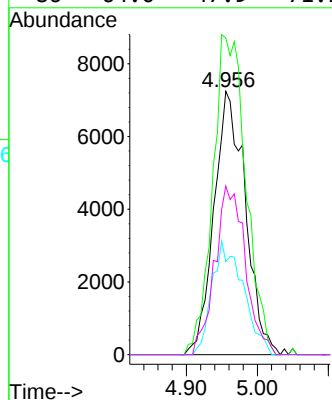
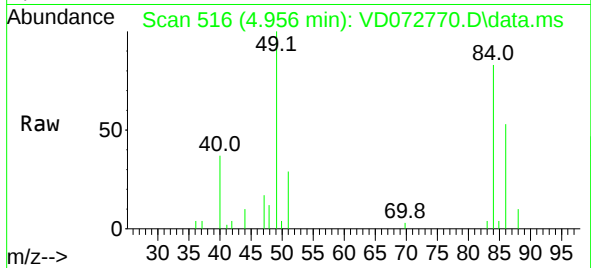


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
JC-01-042822

Tgt Ion: 84 Resp: 22210

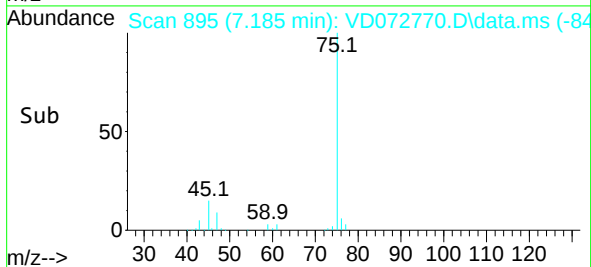
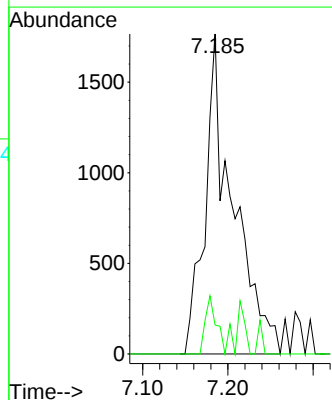
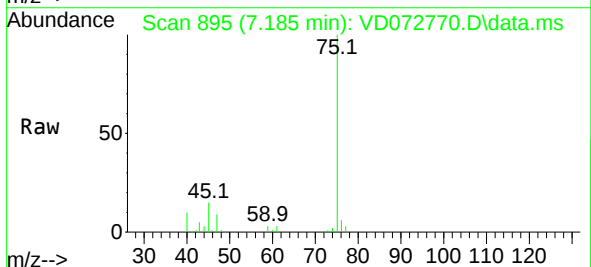
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 120.3 | 112.8 | 169.2 |
| 51  | 35.3  | 32.6  | 48.8  |
| 86  | 64.0  | 47.9  | 71.9  |

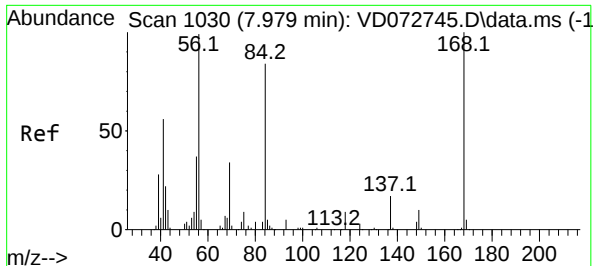


#25  
2-Butanone  
Concen: 3.146 ug/l  
RT: 7.185 min Scan# 895  
Delta R.T. -0.024 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

Tgt Ion: 43 Resp: 4003

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 9.1   | 18.6  | 27.8  |

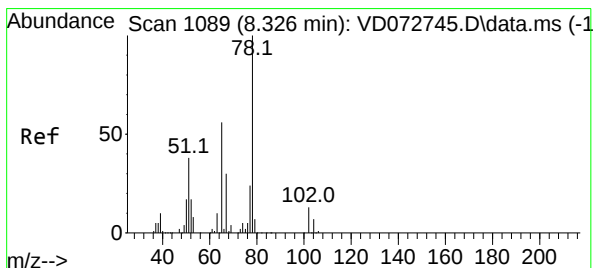
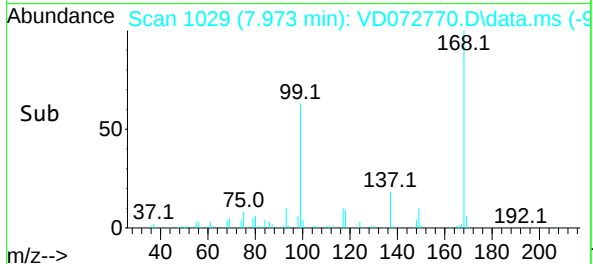
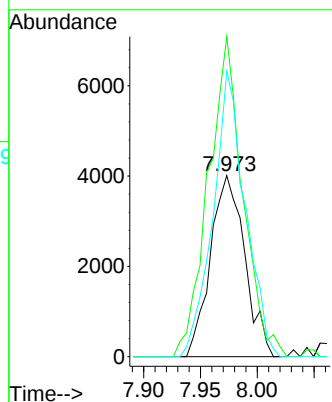
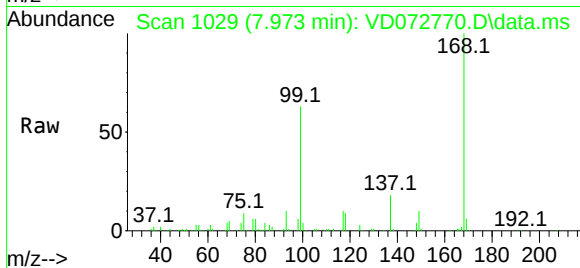




#31  
Cyclohexane  
Concen: 1.104 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

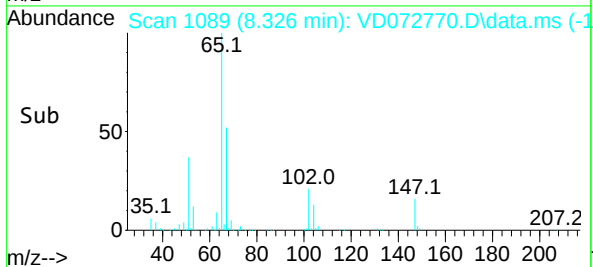
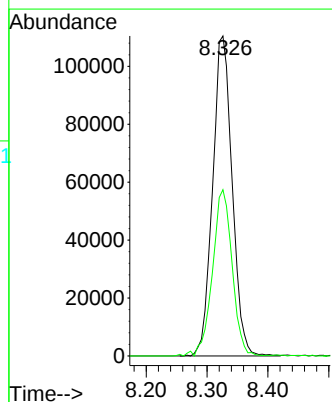
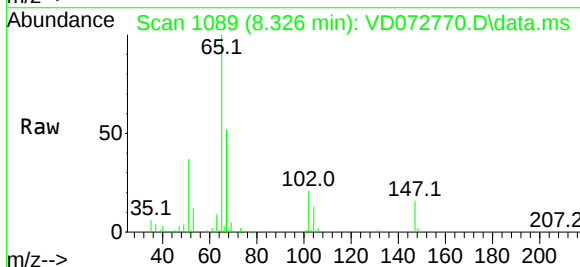
Instrument :  
MSVOA\_D  
ClientSampleId :  
JC-01-042822

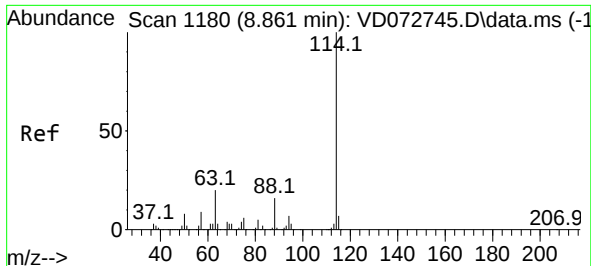
Tgt Ion: 56 Resp: 8428  
Ion Ratio Lower Upper  
56 100  
69 171.3 25.4 38.2#  
84 157.6 63.0 94.4#



#33  
1,2-Dichloroethane-d4  
Concen: 56.335 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

Tgt Ion: 65 Resp: 246035  
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: VD072770.D

Acq: 03 May 2022 15:55

Instrument :

MSVOA\_D

ClientSampleId :

JC-01-042822

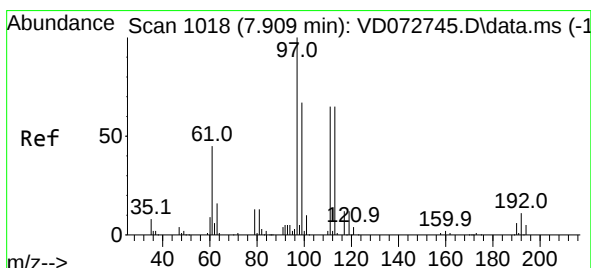
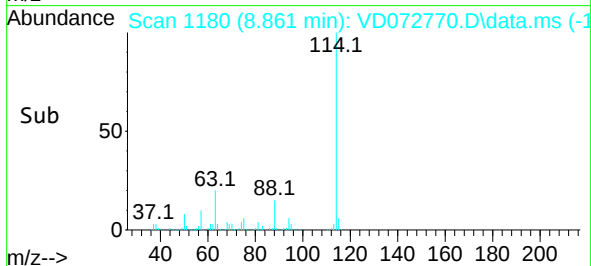
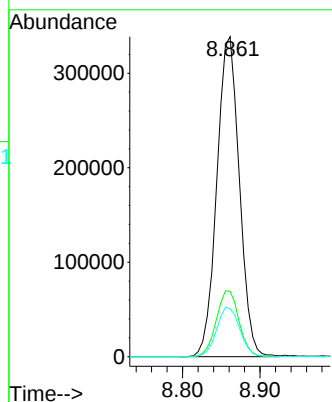
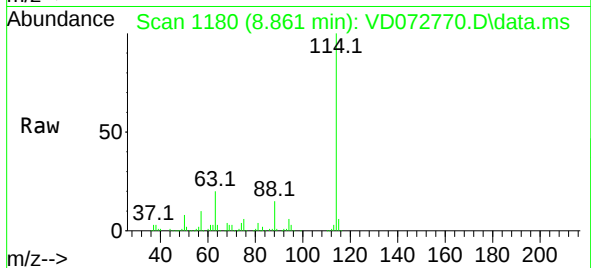
Tgt Ion:114 Resp: 685134

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.856 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072770.D

Acq: 03 May 2022 15:55

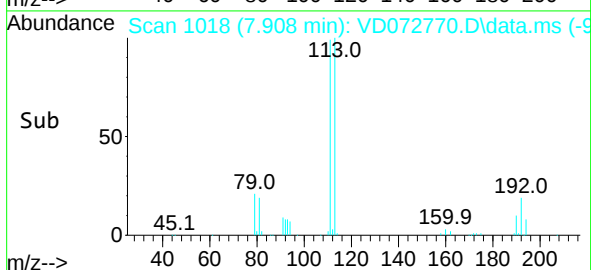
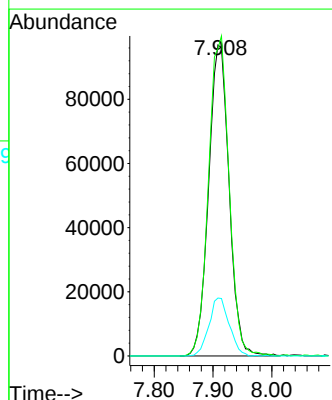
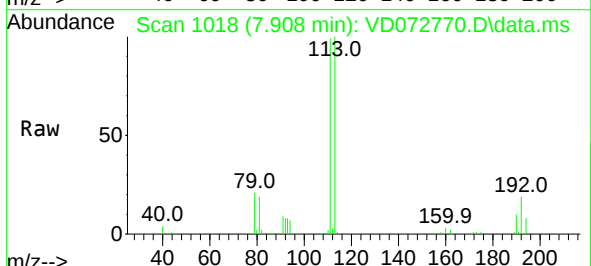
Tgt Ion:113 Resp: 235086

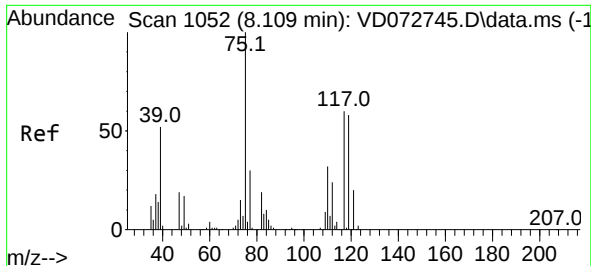
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 3.861 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072770.D

Acq: 03 May 2022 15:55

Instrument :

MSVOA\_D

ClientSampleId :

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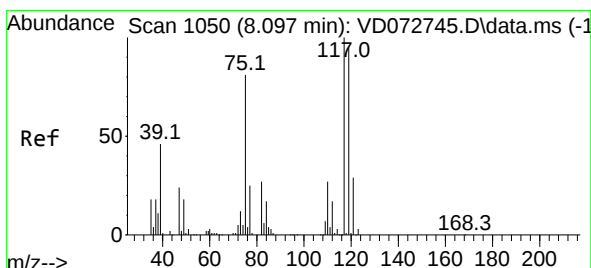
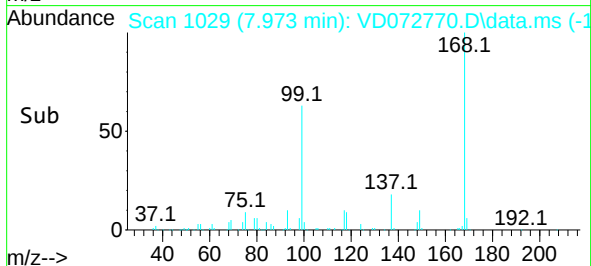
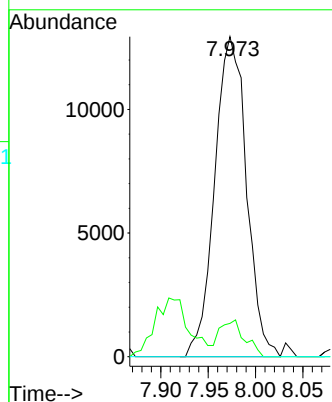
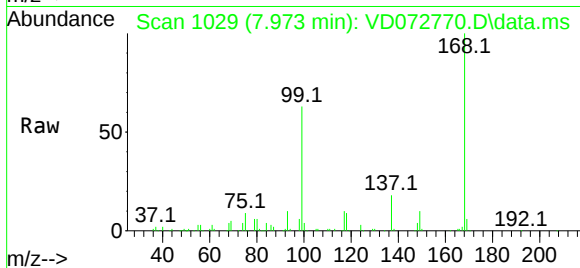
Tgt Ion: 75 Resp: 30209

Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.254 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD072770.D

Acq: 03 May 2022 15:55

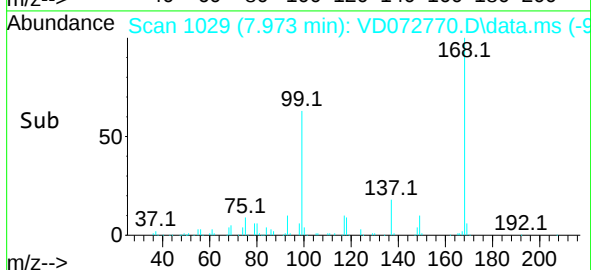
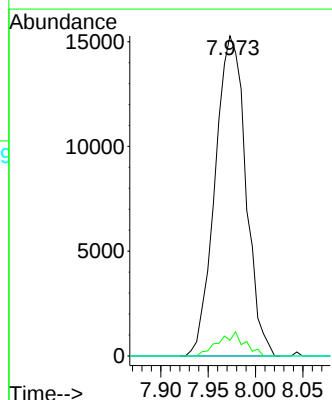
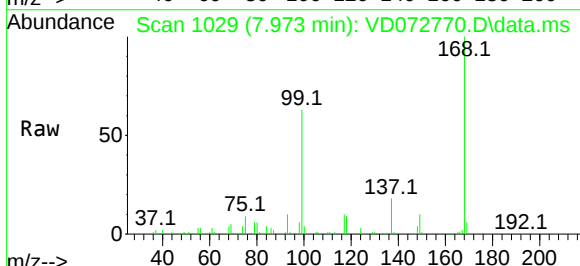
Tgt Ion: 117 Resp: 34547

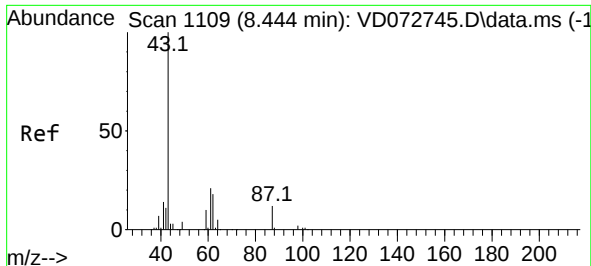
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

121 0.0 24.5 36.7#

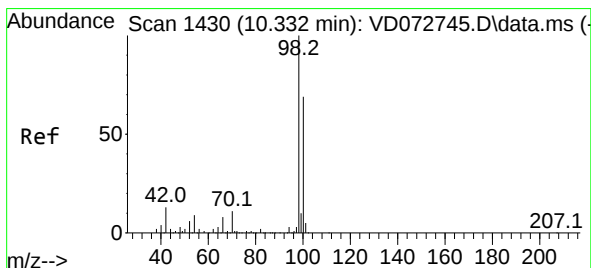
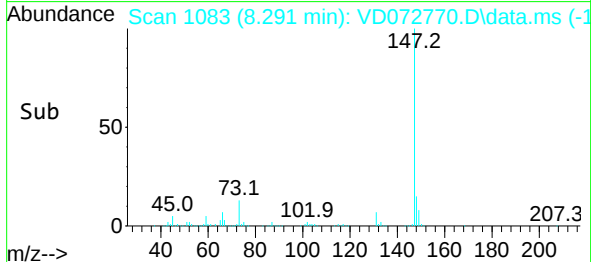
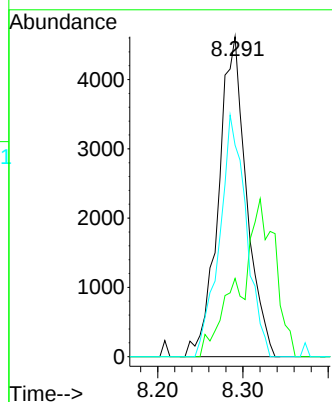
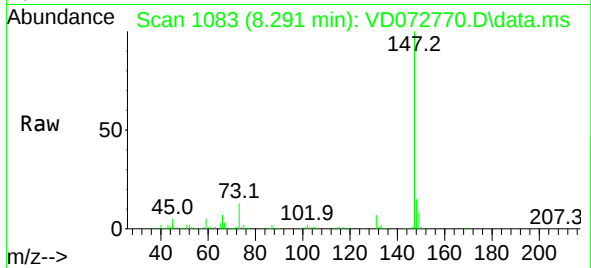




#43  
Isopropyl Acetate  
Concen: 1.591 ug/l  
RT: 8.291 min Scan# 1083  
Delta R.T. -0.153 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

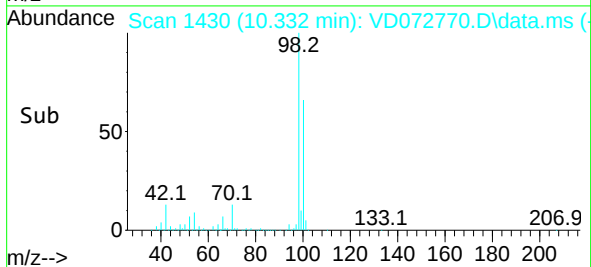
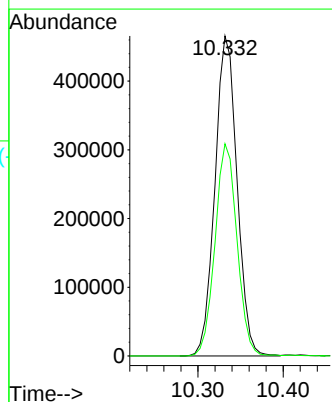
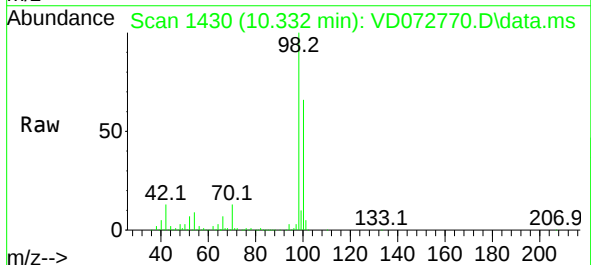
Instrument :  
MSVOA\_D  
ClientSampleId :  
JC-01-042822

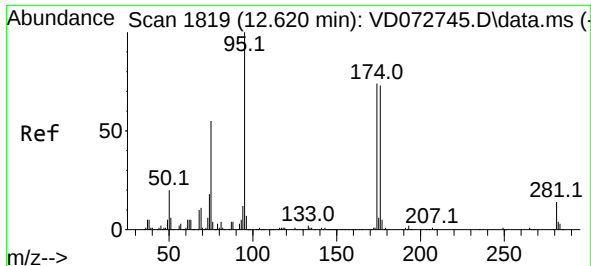
Tgt Ion: 43 Resp: 10560  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.4 33.6#  
87 72.1 8.7 13.1#



#50  
Toluene-d8  
Concen: 48.627 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

Tgt Ion: 98 Resp: 839313  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.4 78.6

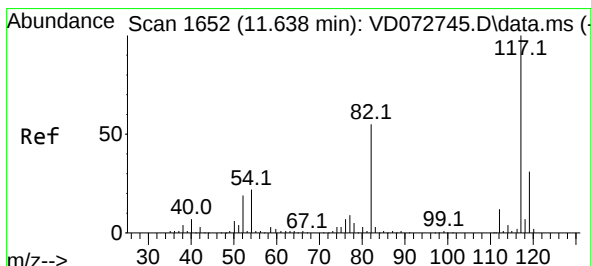
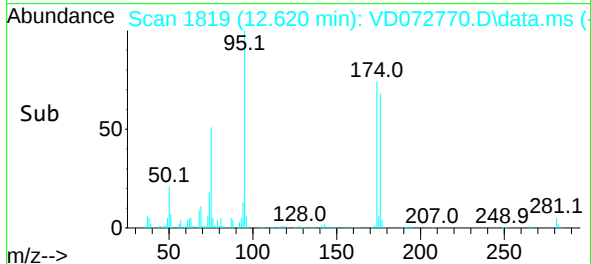
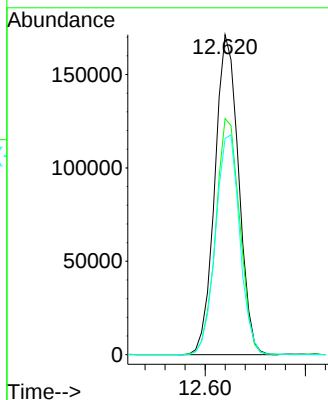
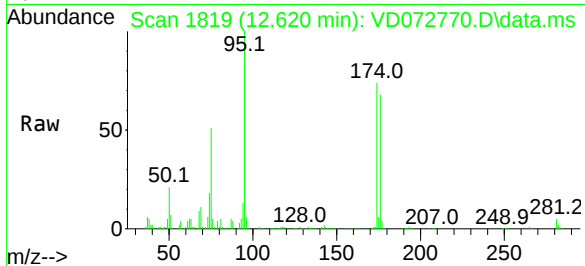




#62  
4-Bromofluorobenzene  
Concen: 43.701 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

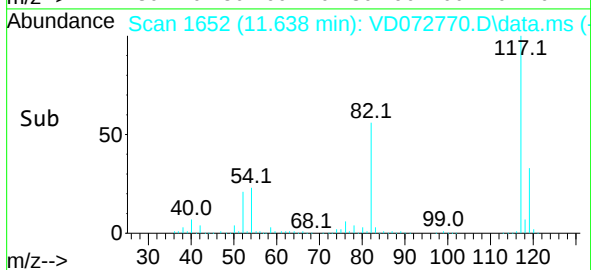
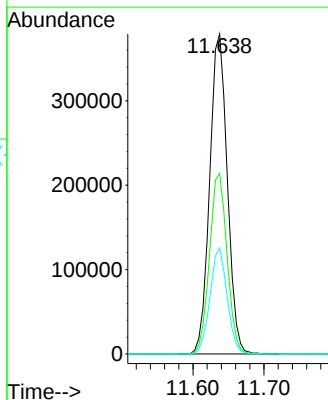
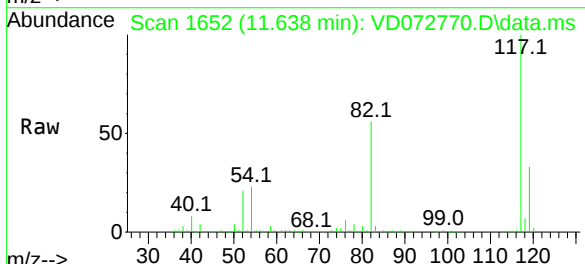
Instrument :  
MSVOA\_D  
ClientSampleId :  
JC-01-042822

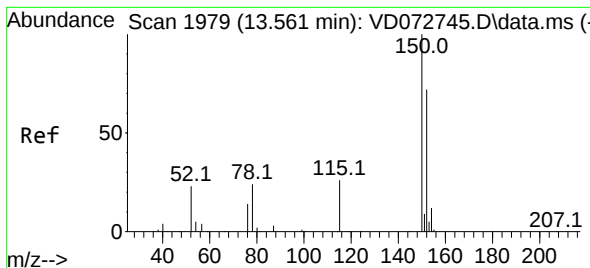
Tgt Ion: 95 Resp: 281252  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 152.8  
176 70.1 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD072770.D  
Acq: 03 May 2022 15:55

Tgt Ion: 117 Resp: 652113  
Ion Ratio Lower Upper  
117 100  
82 56.4 45.3 67.9  
119 33.1 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD072770.D

Acq: 03 May 2022 15:55

Instrument :

MSVOA\_D

ClientSampleId :

JC-01-042822

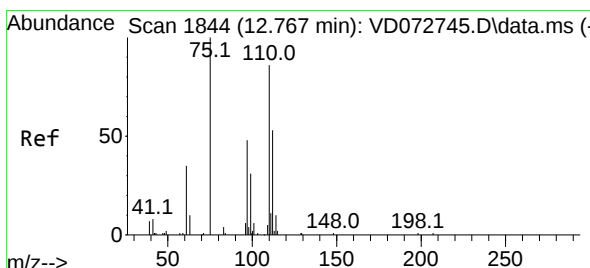
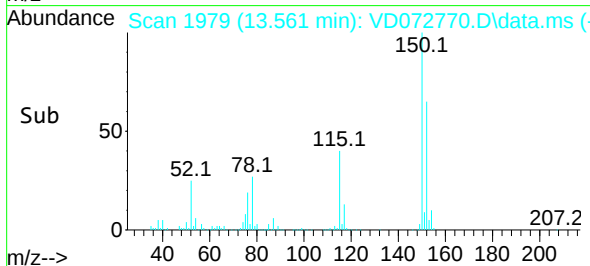
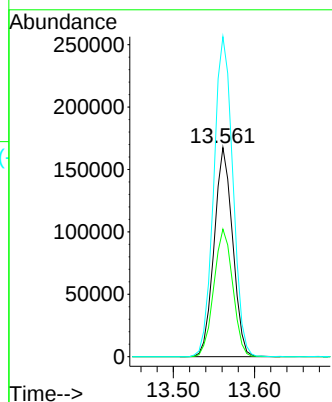
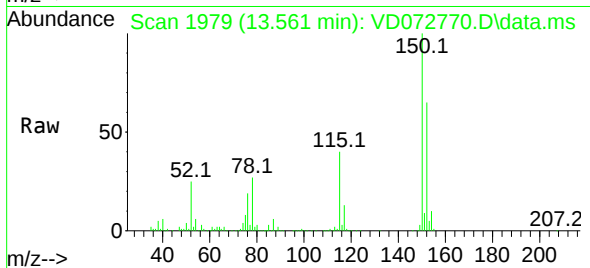
Tgt Ion:152 Resp: 265255

Ion Ratio Lower Upper

152 100

115 62.3 31.3 93.8

150 158.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 50.481 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD072770.D

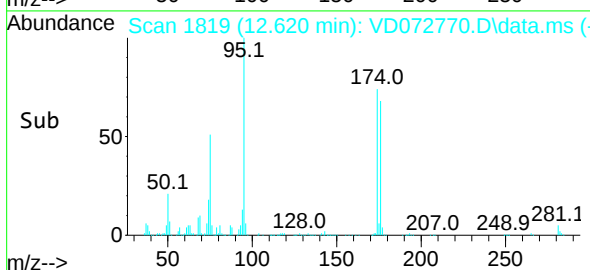
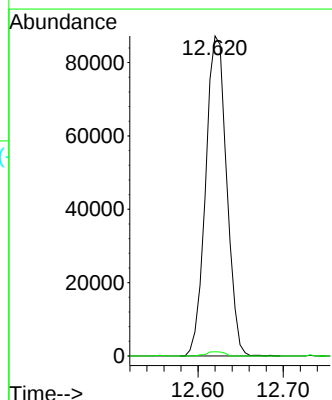
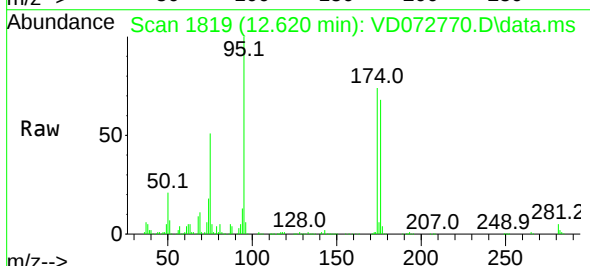
Acq: 03 May 2022 15:55

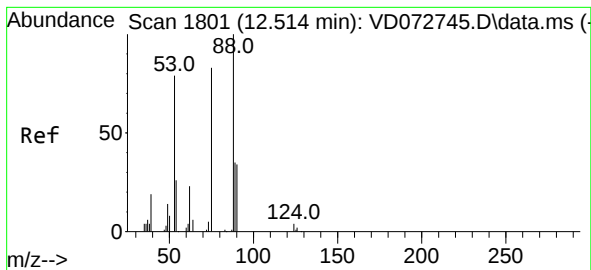
Tgt Ion: 75 Resp: 149311

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 116.086 ug/l  
 RT: 12.620 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD072770.D  
 Acq: 03 May 2022 15:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JC-01-042822

Tgt Ion: 75 Resp: 149311  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 86.5 129.7#  
 89 0.1 33.9 50.9#

