

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051622\  
 Data File : VD073045.D  
 Acq On : 16 May 2022 20:03  
 Operator : VA/SY  
 Sample : N2816-07  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P007-SS002-1218-01

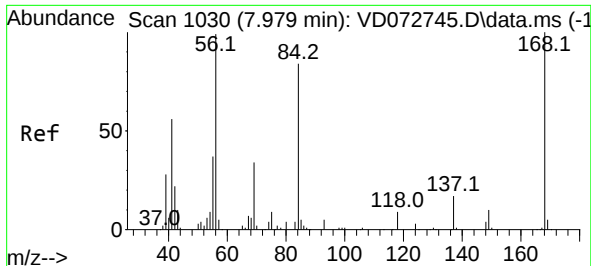
Quant Time: May 17 03:31:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.973          | 168  | 268525     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855          | 114  | 488350     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.632         | 117  | 522561     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 232679     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 159744     | 45.829    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 91.660%   |        |          |
| 35) Dibromofluoromethane      | 7.908          | 113  | 168250     | 49.056    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 98.120%   |        |          |
| 50) Toluene-d8                | 10.332         | 98   | 610439     | 49.618    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 99.240%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 222787     | 48.565    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 97.140%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 5) Bromomethane               | 2.773          | 94   | 984        | Below Cal | #      | 56       |
| 11) Tert butyl alcohol        | 5.179          | 59   | 15721      | 52.128    | ug/l # | 75       |
| 16) Acetone                   | 4.173          | 43   | 2664       | Below Cal | #      | 78       |
| 18) Methyl Acetate            | 4.550          | 43   | 74         | Below Cal | #      | 55       |
| 20) Methylene Chloride        | 4.950          | 84   | 21637      | Below Cal | #      | 73       |
| 25) 2-Butanone                | 7.191          | 43   | 1907       | 1.878     | ug/l # | 52       |
| 31) Cyclohexane               | 7.973          | 56   | 6398       | 1.050     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.967          | 75   | 23831      | 4.273     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.973          | 117  | 28692      | 4.956     | ug/l # | 19       |
| 59) 2-Hexanone                | 11.073         | 43   | 1916       | 1.158     | ug/l # | 63       |
| 76) 1,2,3-Trichloropropane    | 12.620         | 75   | 115029     | 44.335    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620         | 75   | 115029     | 101.953   | ug/l # | 7        |
| -----                         |                |      |            |           |        |          |

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

Quant Time: May 17 03:31:05 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

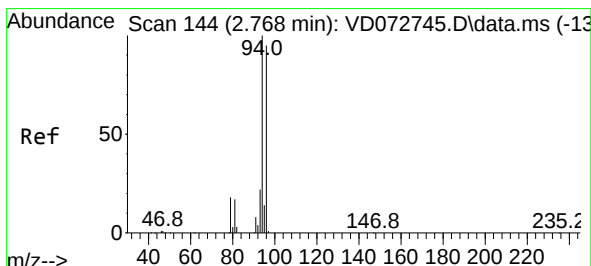
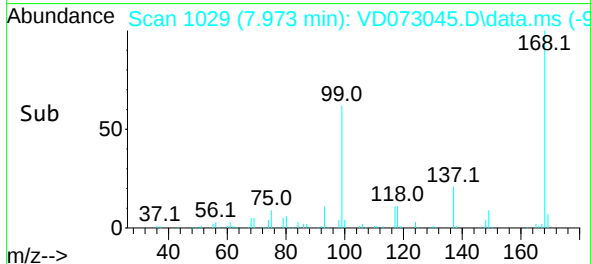
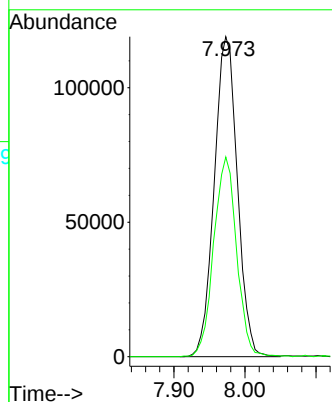
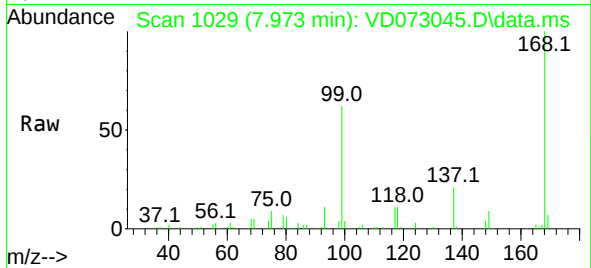




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD073045.D  
Acq: 16 May 2022 20:03

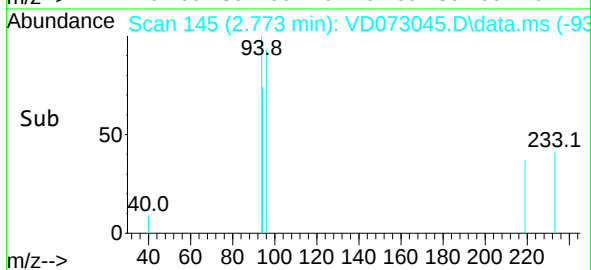
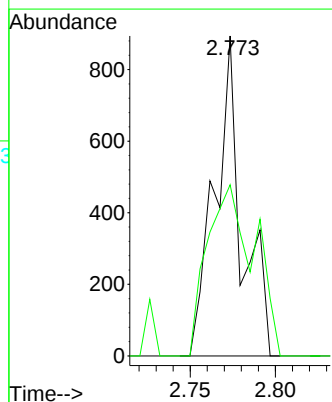
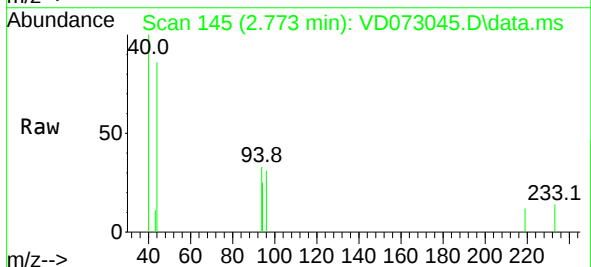
Instrument :  
MSVOA\_D  
ClientSampleId :  
P007-SS002-1218-01

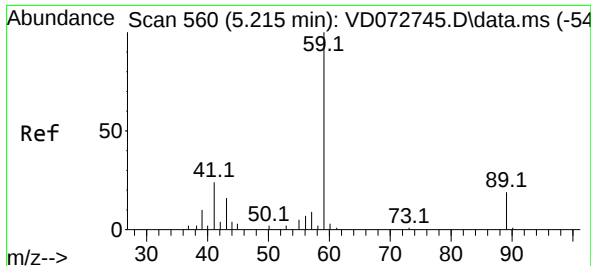
Tgt Ion:168 Resp: 268525  
Ion Ratio Lower Upper  
168 100  
99 62.4 49.8 74.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.773 min Scan# 145  
Delta R.T. 0.005 min  
Lab File: VD073045.D  
Acq: 16 May 2022 20:03

Tgt Ion: 94 Resp: 984  
Ion Ratio Lower Upper  
94 100  
96 53.5 77.6 116.4#





#11

Tert butyl alcohol

Concen: 52.128 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD073045.D

Acq: 16 May 2022 20:03

Instrument :

MSVOA\_D

ClientSampleId :

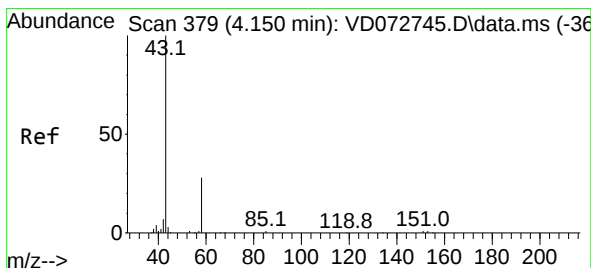
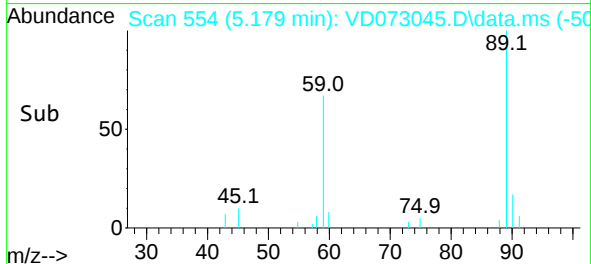
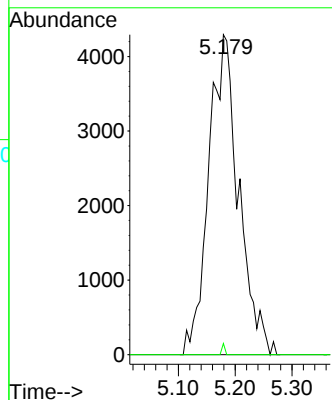
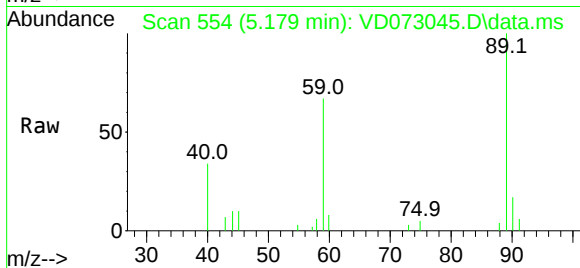
P007-SS002-1218-01

Tgt Ion: 59 Resp: 15721

Ion Ratio Lower Upper

59 100

57 0.3 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.173 min Scan# 383

Delta R.T. 0.023 min

Lab File: VD073045.D

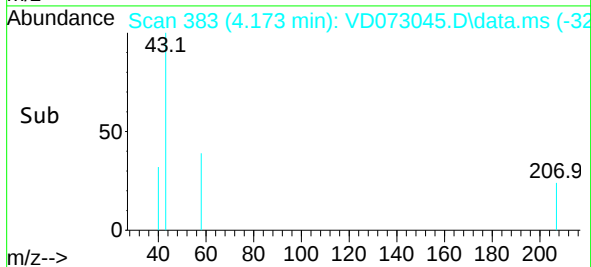
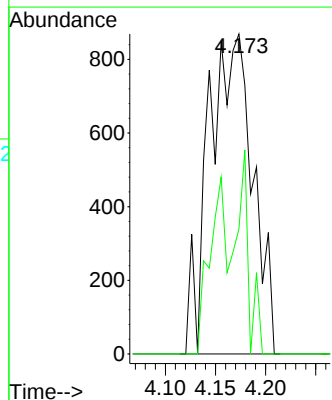
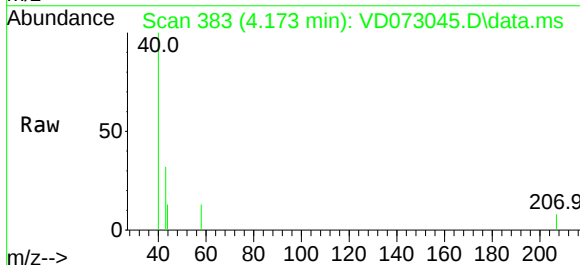
Acq: 16 May 2022 20:03

Tgt Ion: 43 Resp: 2664

Ion Ratio Lower Upper

43 100

58 39.0 22.1 33.1#



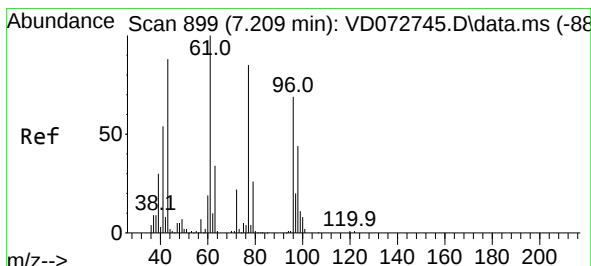
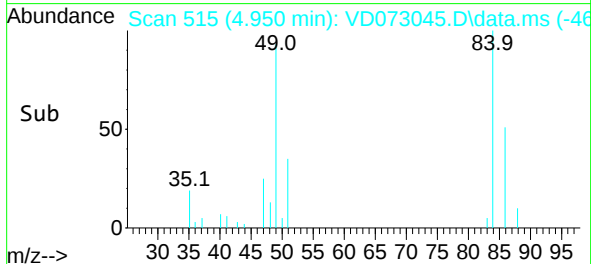
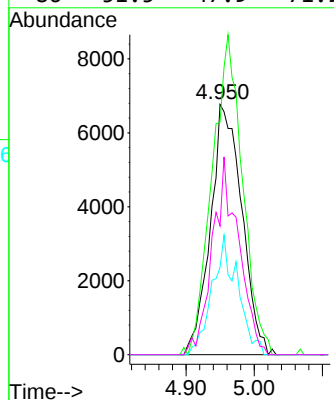
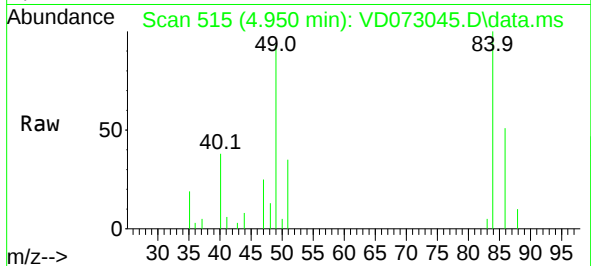


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.950 min Scan# 517  
Delta R.T. -0.012 min  
Lab File: VD073045.D  
Acq: 16 May 2022 20:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
P007-SS002-1218-01

Tgt Ion: 84 Resp: 21637

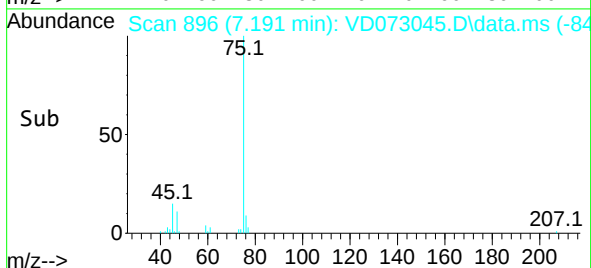
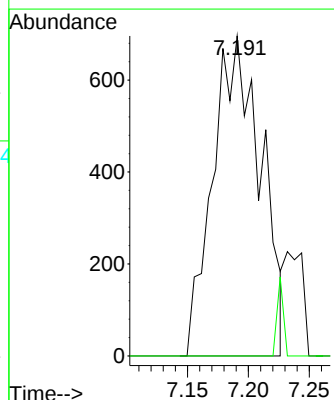
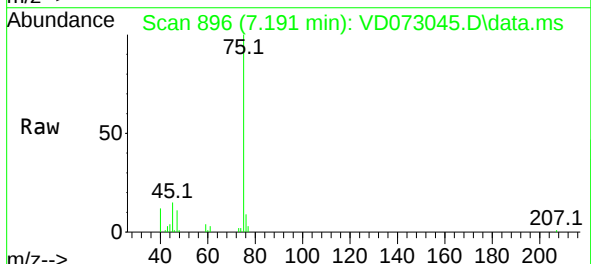
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 92.9  | 112.8 | 169.2# |
| 51  | 34.8  | 32.6  | 48.8   |
| 86  | 51.5  | 47.9  | 71.9   |

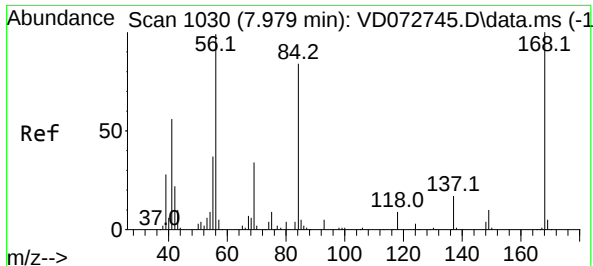


#25  
2-Butanone  
Concen: 1.878 ug/l  
RT: 7.191 min Scan# 896  
Delta R.T. -0.018 min  
Lab File: VD073045.D  
Acq: 16 May 2022 20:03

Tgt Ion: 43 Resp: 1907

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 18.6  | 27.8# |

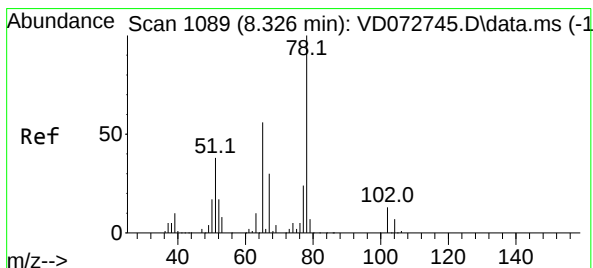
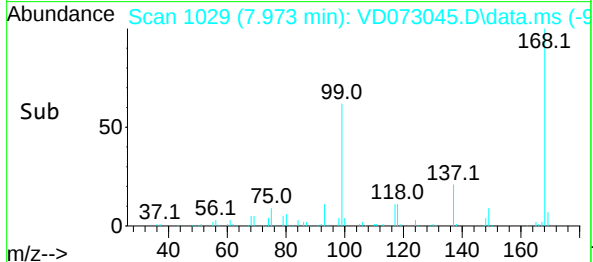
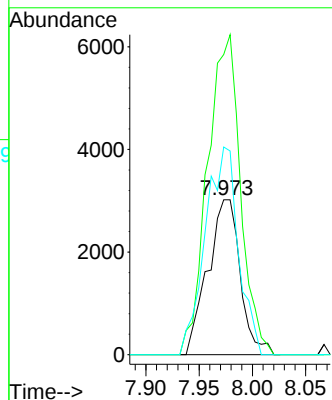
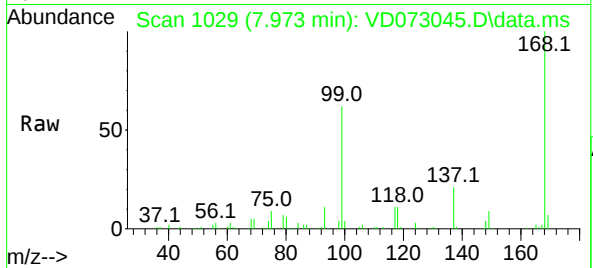




#31  
Cyclohexane  
Concen: 1.050 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD073045.D  
Acq: 16 May 2022 20:03

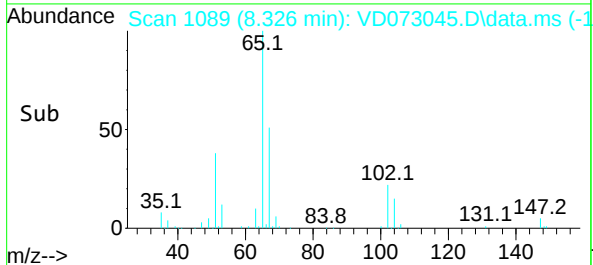
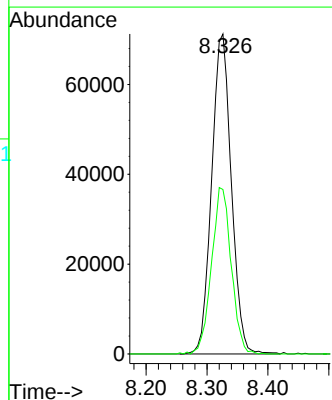
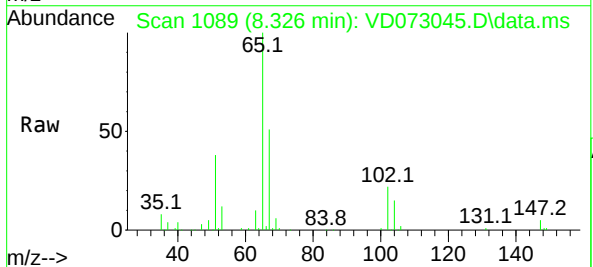
Instrument :  
MSVOA\_D  
ClientSampleId :  
P007-SS002-1218-01

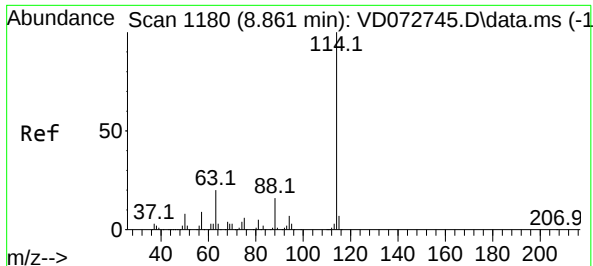
Tgt Ion: 56 Resp: 6398  
Ion Ratio Lower Upper  
56 100  
69 193.8 25.4 38.2#  
84 134.1 63.0 94.4#



#33  
1,2-Dichloroethane-d4  
Concen: 45.829 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD073045.D  
Acq: 16 May 2022 20:03

Tgt Ion: 65 Resp: 159744  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD073045.D

Acq: 16 May 2022 20:03

Instrument :

MSVOA\_D

ClientSampleId :

P007-SS002-1218-01

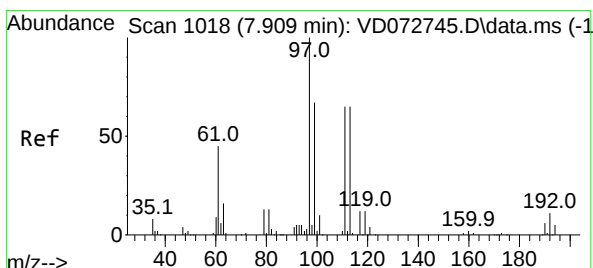
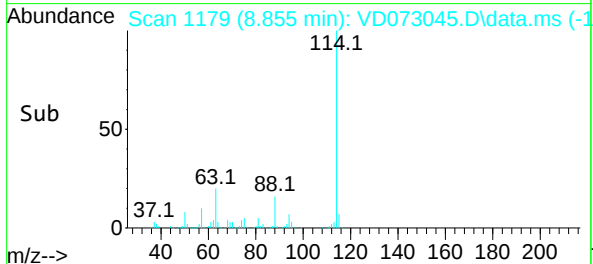
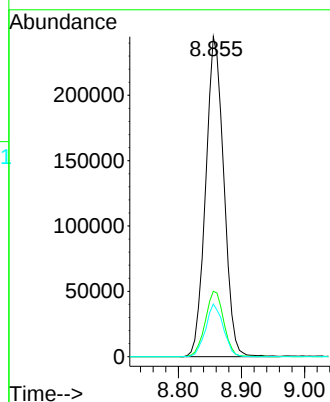
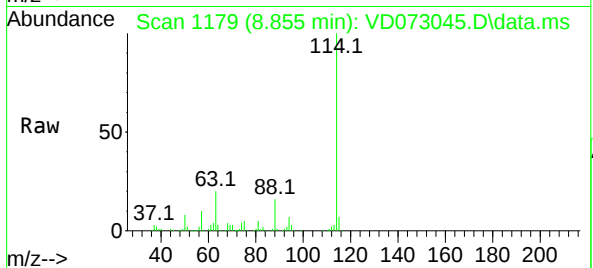
Tgt Ion:114 Resp: 488350

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 16.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.056 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD073045.D

Acq: 16 May 2022 20:03

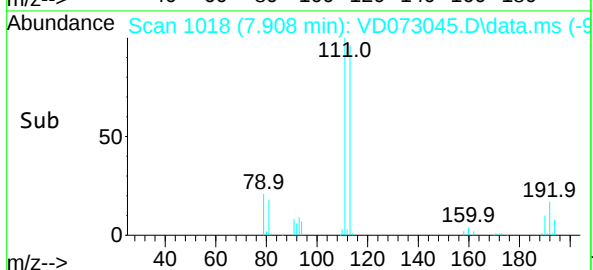
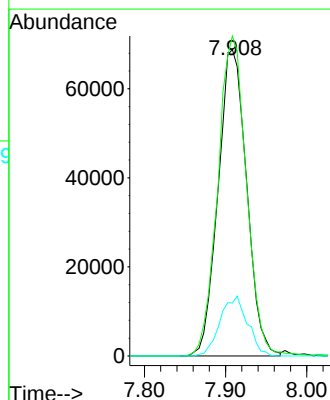
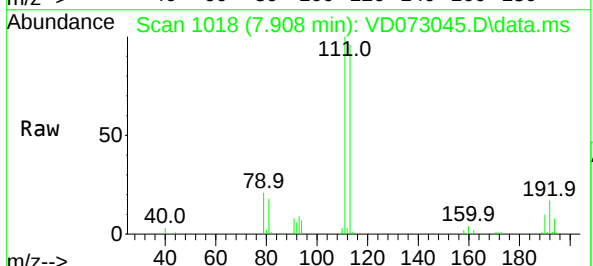
Tgt Ion:113 Resp: 168250

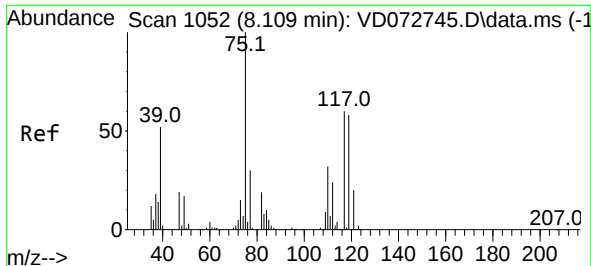
Ion Ratio Lower Upper

113 100

111 104.6 83.8 125.6

192 18.8 14.6 21.8

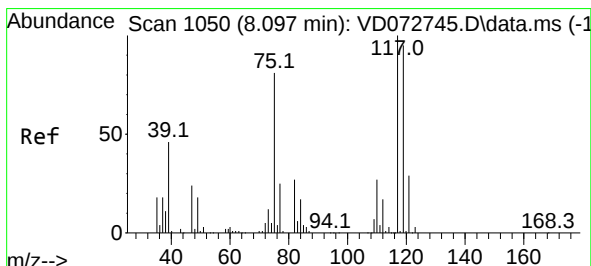
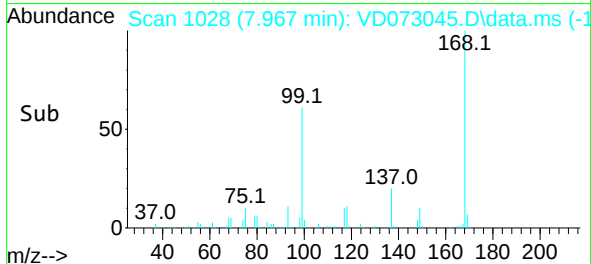
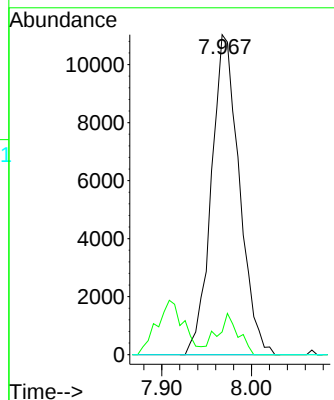
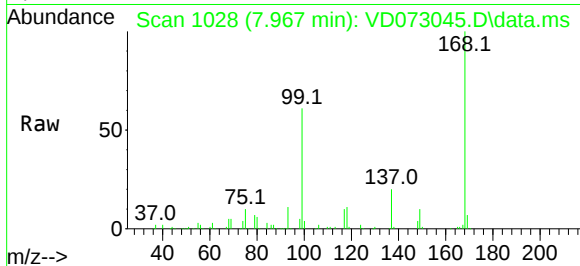




#36  
 1,1-Dichloropropene  
 Concen: 4.273 ug/l  
 RT: 7.967 min Scan# 1028  
 Delta R.T. -0.142 min  
 Lab File: VD073045.D  
 Acq: 16 May 2022 20:03

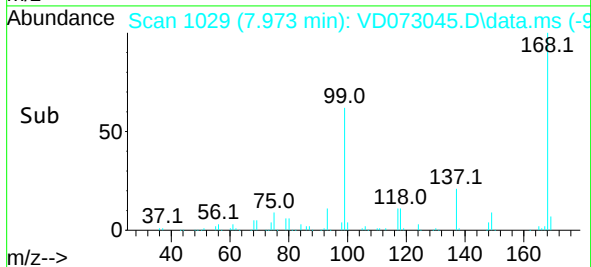
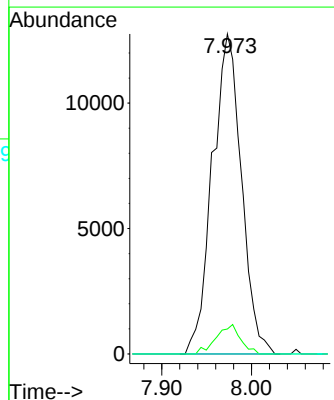
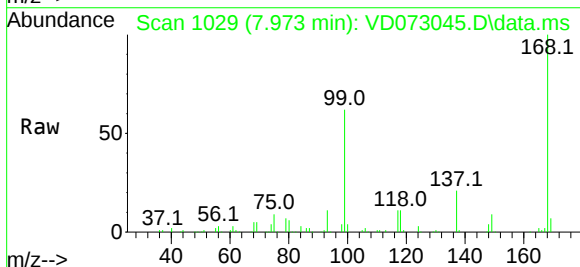
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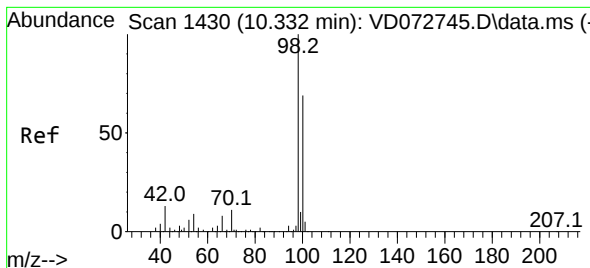
Tgt Ion: 75 Resp: 23831  
 Ion Ratio Lower Upper  
 75 100  
 110 9.7 16.4 49.1#  
 77 0.0 24.2 36.2#



#38  
 Carbon Tetrachloride  
 Concen: 4.956 ug/l  
 RT: 7.973 min Scan# 1029  
 Delta R.T. -0.124 min  
 Lab File: VD073045.D  
 Acq: 16 May 2022 20:03

Tgt Ion: 117 Resp: 28692  
 Ion Ratio Lower Upper  
 117 100  
 119 7.8 75.8 113.6#  
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 49.618 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073045.D

Acq: 16 May 2022 20:03

Instrument :

MSVOA\_D

ClientSampleId :

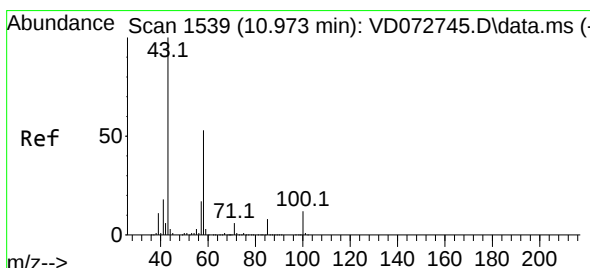
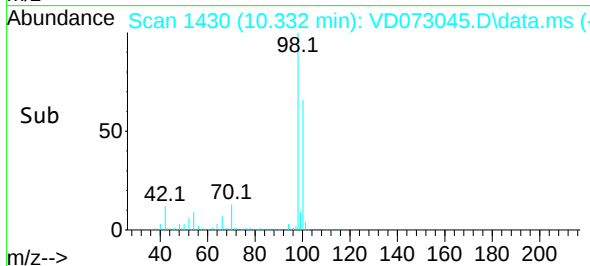
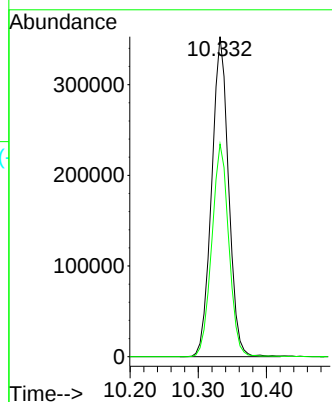
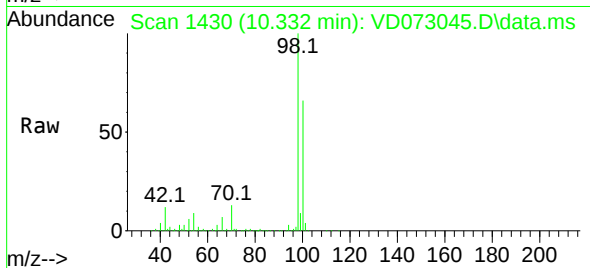
P007-SS002-1218-01

Tgt Ion: 98 Resp: 610439

Ion Ratio Lower Upper

98 100

100 66.9 52.4 78.6



#59

2-Hexanone

Concen: 1.158 ug/l

RT: 11.073 min Scan# 1556

Delta R.T. 0.100 min

Lab File: VD073045.D

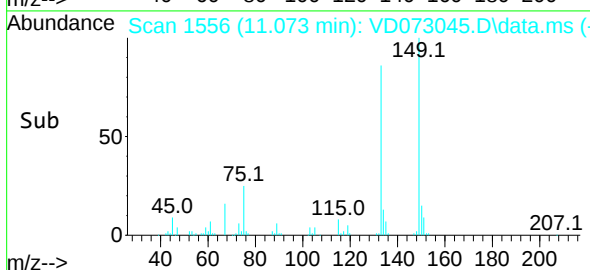
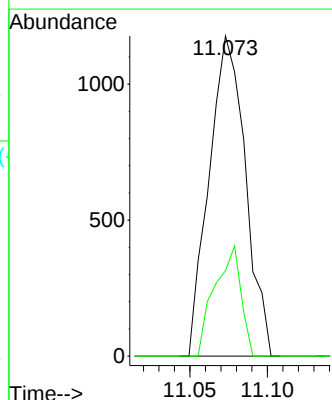
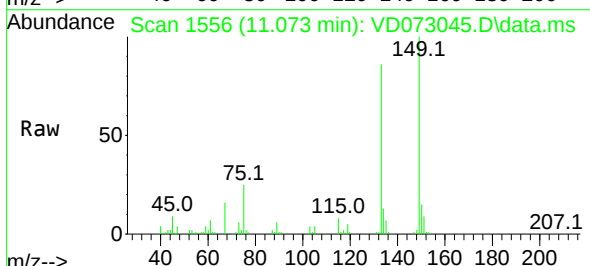
Acq: 16 May 2022 20:03

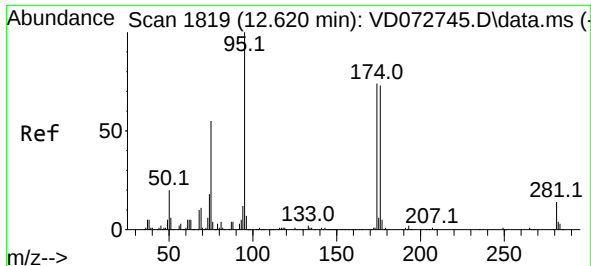
Tgt Ion: 43 Resp: 1916

Ion Ratio Lower Upper

43 100

58 24.8 25.3 75.9#

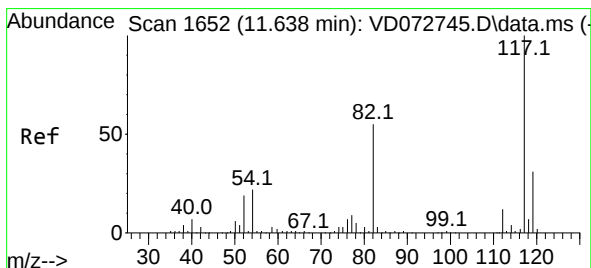
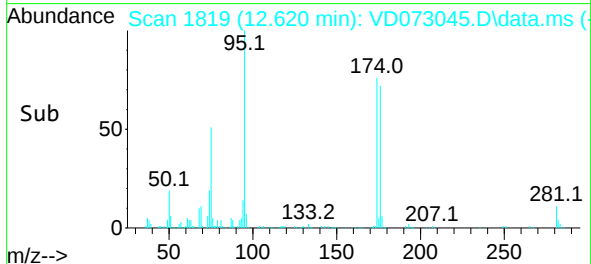
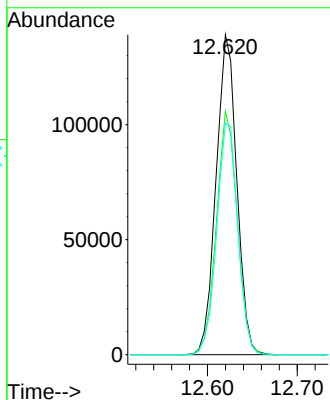
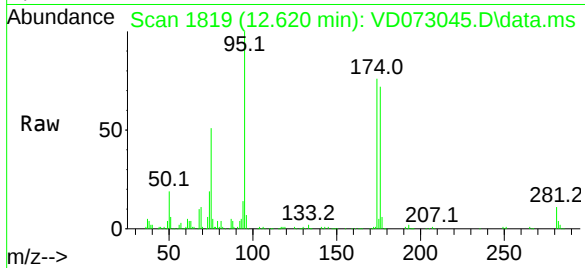




#62  
4-Bromofluorobenzene  
Concen: 48.565 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073045.D  
Acq: 16 May 2022 20:03

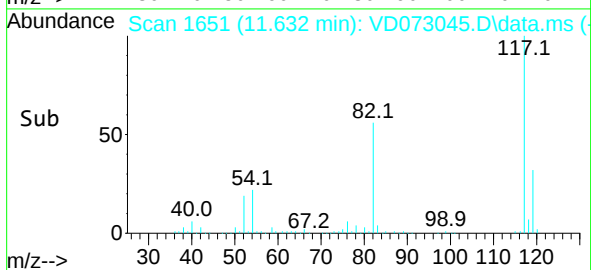
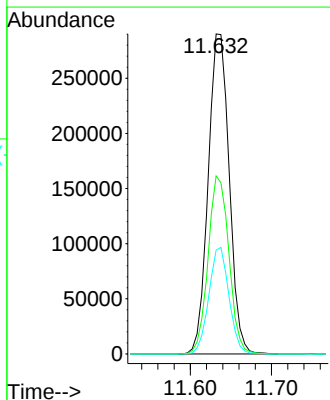
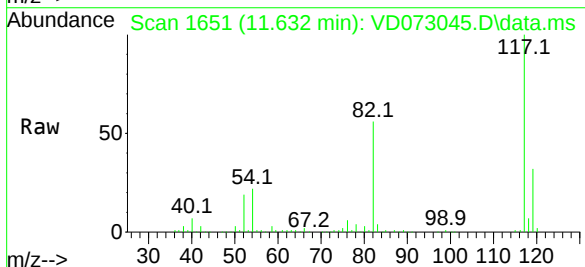
Instrument :  
MSVOA\_D  
ClientSampleId :  
P007-SS002-1218-01

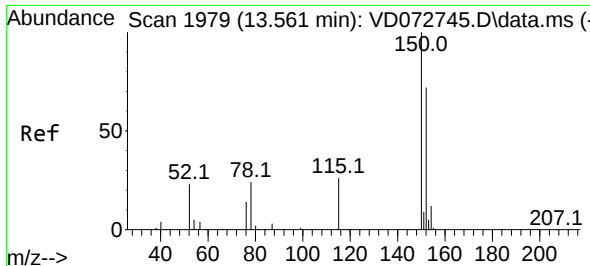
Tgt Ion: 95 Resp: 222787  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 152.8  
176 74.0 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.006 min  
Lab File: VD073045.D  
Acq: 16 May 2022 20:03

Tgt Ion: 117 Resp: 522561  
Ion Ratio Lower Upper  
117 100  
82 55.6 45.3 67.9  
119 32.5 26.6 40.0

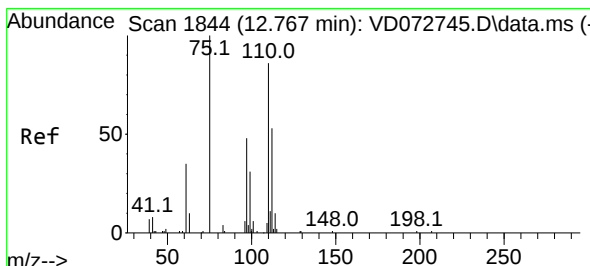
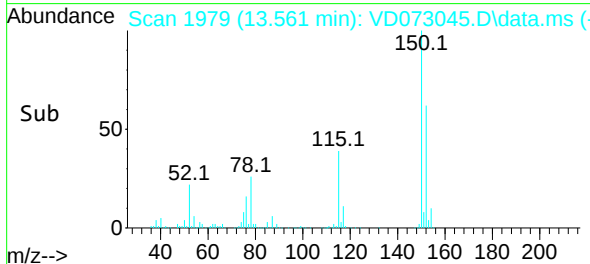
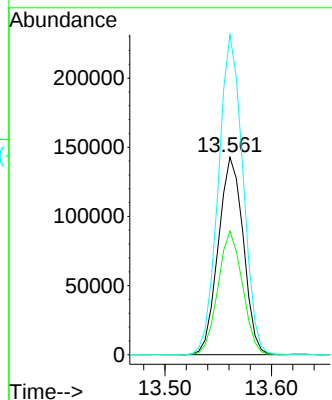
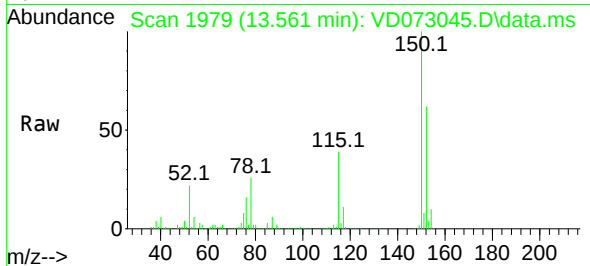




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD073045.D  
 Acq: 16 May 2022 20:03

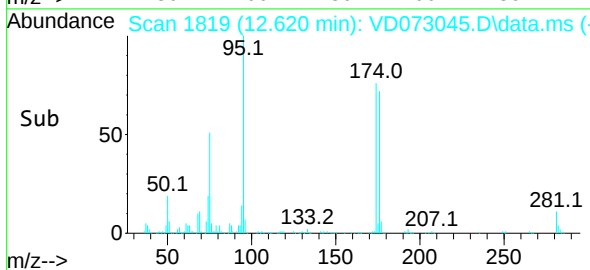
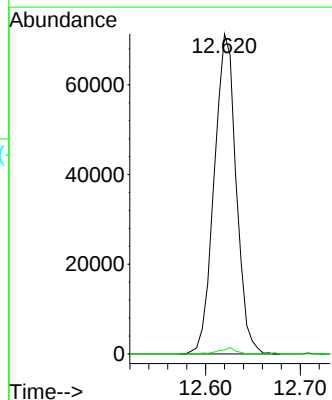
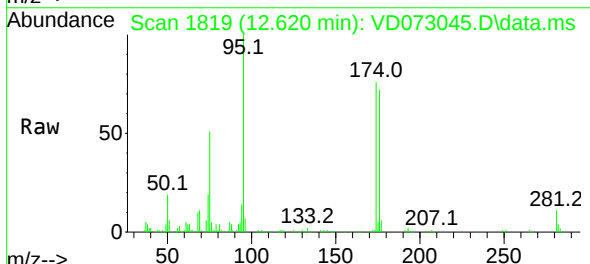
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P007-SS002-1218-01

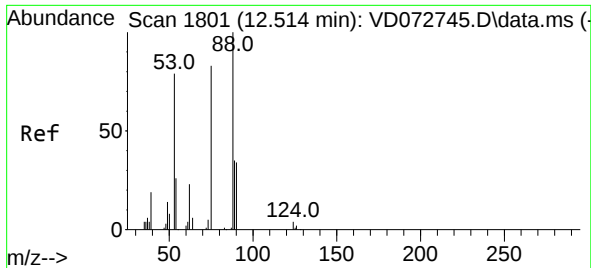
Tgt Ion:152 Resp: 232679  
 Ion Ratio Lower Upper  
 152 100  
 115 61.2 31.3 93.8  
 150 159.4 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 44.335 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. -0.147 min  
 Lab File: VD073045.D  
 Acq: 16 May 2022 20:03

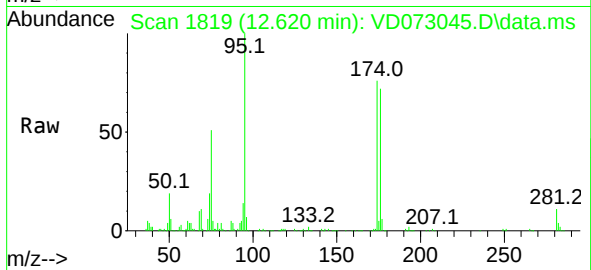
Tgt Ion: 75 Resp: 115029  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 101.953 ug/l  
 RT: 12.620 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD073045.D  
 Acq: 16 May 2022 20:03

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P007-SS002-1218-01



Tgt Ion: 75 Resp: 115029  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 86.5 129.7#  
 89 0.3 33.9 50.9#

