

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052522\  
 Data File : VD073376.D  
 Acq On : 25 May 2022 22:39  
 Operator : VA/SY  
 Sample : N2886-20  
 Misc : 5.53G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P030-SS001-1824-01

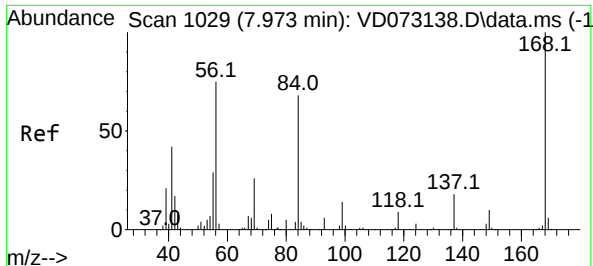
Quant Time: May 26 02:27:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.973     | 168   | 274734   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861     | 114   | 478078   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638    | 117   | 517669   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561    | 152   | 235202   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326     | 65    | 157325   | 51.816    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 103.640% |          |
| 35) Dibromofluoromethane      | 7.908     | 113   | 164512   | 52.149    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 104.300% |          |
| 50) Toluene-d8                | 10.332    | 98    | 607197   | 52.214    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 104.420% |          |
| 62) 4-Bromofluorobenzene      | 12.620    | 95    | 220542   | 54.040    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 108.080% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.779     | 94    | 647      | Below Cal | #          | 73       |
| 13) Acrolein                  | 3.697     | 56    | 57       | Below Cal | #          | 14       |
| 16) Acetone                   | 4.156     | 43    | 7490     | 14.242    | ug/l       | 95       |
| 25) 2-Butanone                | 7.197     | 43    | 3205     | 4.166     | ug/l #     | 52       |
| 31) Cyclohexane               | 7.967     | 56    | 6099     | 1.149     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.973     | 75    | 24257    | 5.113     | ug/l #     | 51       |
| 37) Ethyl Acetate             | 7.197     | 43    | 3205     | 1.710     | ug/l #     | 6        |
| 38) Carbon Tetrachloride      | 7.973     | 117   | 29143    | 6.060     | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.620    | 75    | 109662   | 47.519    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620    | 75    | 109662   | 114.079   | ug/l #     | 7        |
| 95) Naphthalene               | 15.385    | 128   | 184      | 3.564     | ug/l #     | 70       |
| -----                         |           |       |          |           |            |          |

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

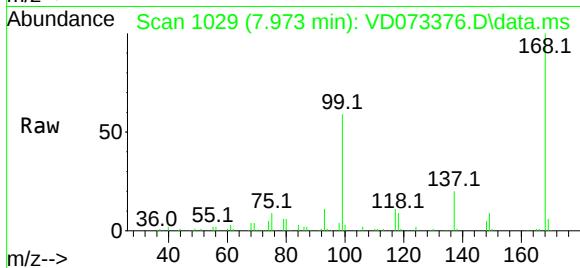
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration



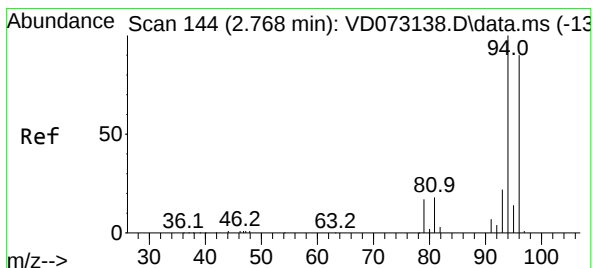
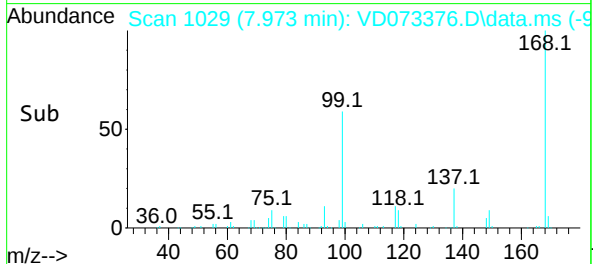
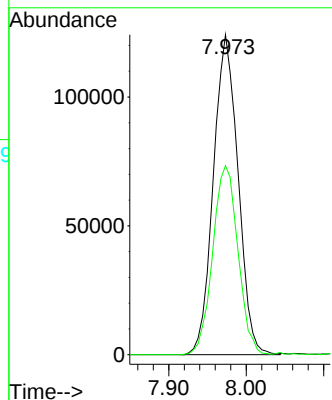


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

Instrument :  
MSVOA\_D  
ClientSampleId :  
P030-SS001-1824-01

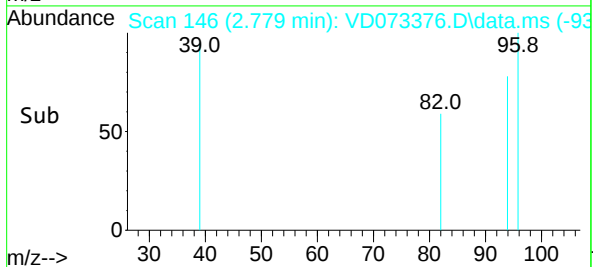
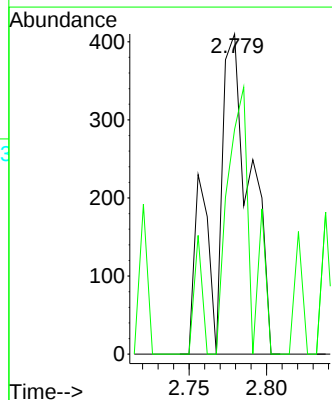
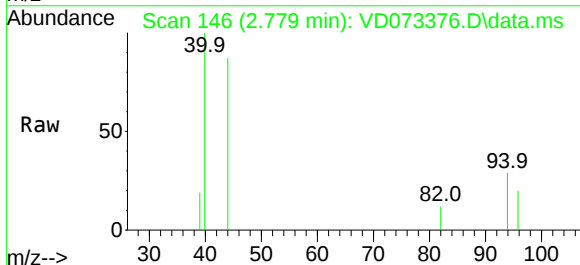


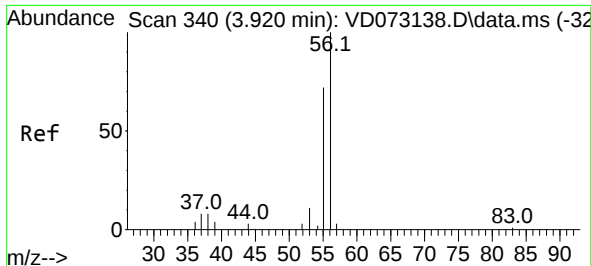
Tgt Ion:168 Resp: 274734  
Ion Ratio Lower Upper  
168 100  
99 59.0 49.8 74.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.779 min Scan# 146  
Delta R.T. 0.011 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

Tgt Ion: 94 Resp: 647  
Ion Ratio Lower Upper  
94 100  
96 70.2 77.6 116.4#

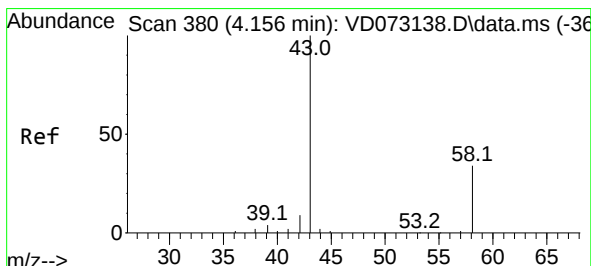
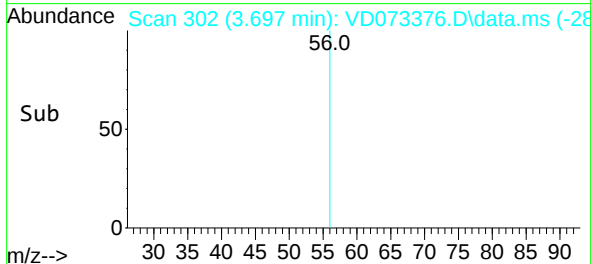
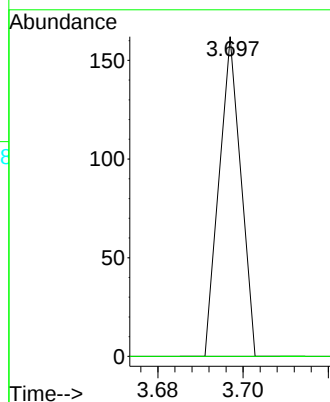
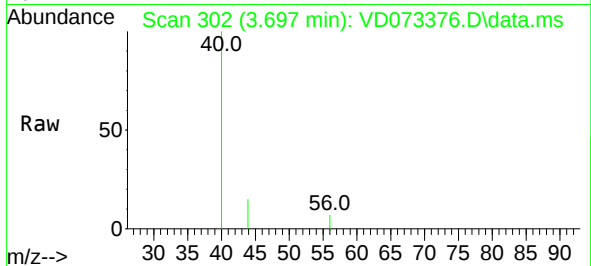




#13  
Acrolein  
Concen: Below Cal  
RT: 3.697 min Scan# 30  
Delta R.T. -0.223 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

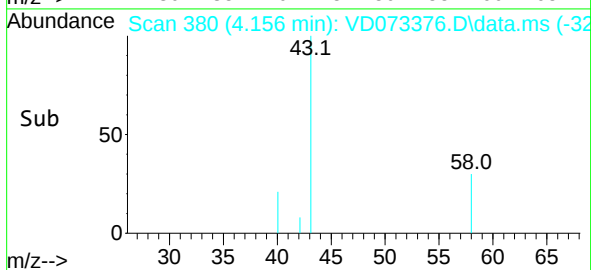
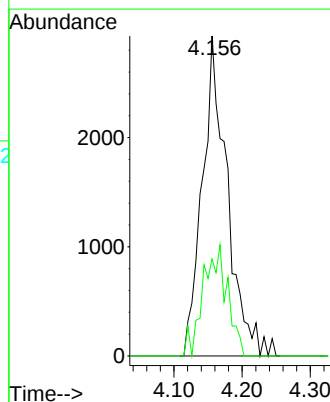
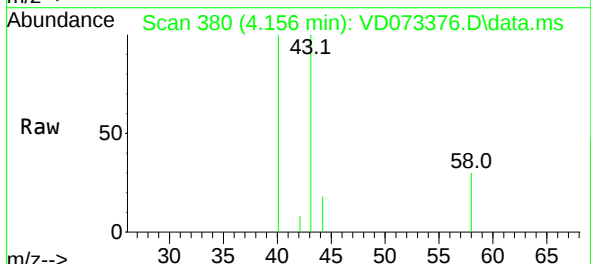
Instrument :  
MSVOA\_D  
ClientSampleId :  
P030-SS001-1824-01

Tgt Ion: 56 Resp: 57  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.1 85.7#



#16  
Acetone  
Concen: 14.242 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

Tgt Ion: 43 Resp: 7490  
Ion Ratio Lower Upper  
43 100  
58 30.3 22.1 33.1

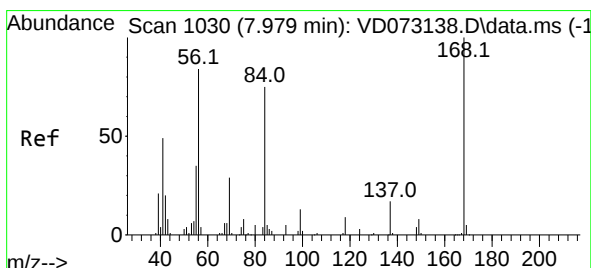
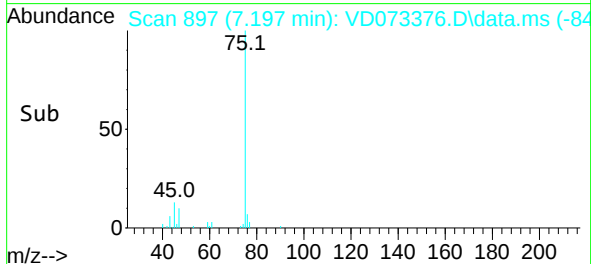
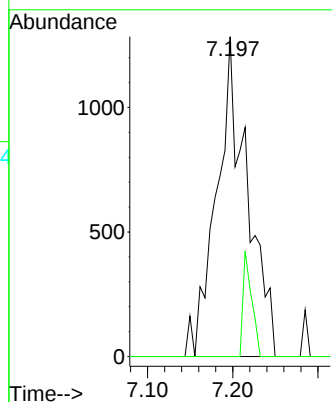
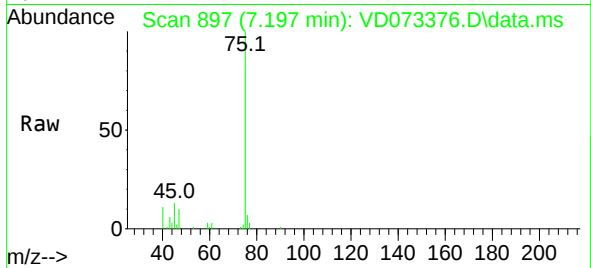




#25  
2-Butanone  
Concen: 4.166 ug/l  
RT: 7.197 min Scan# 89  
Delta R.T. -0.011 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

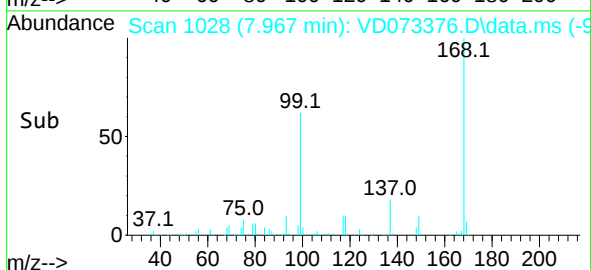
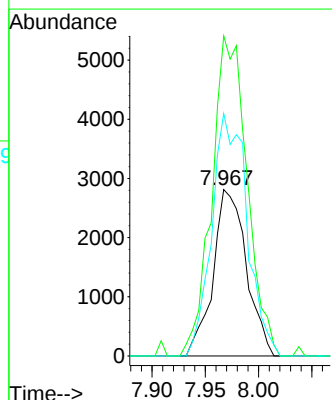
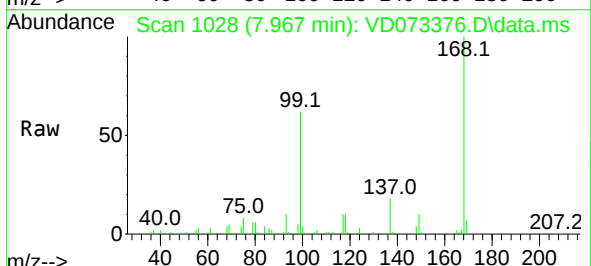
Instrument :  
MSVOA\_D  
ClientSampleId :  
P030-SS001-1824-01

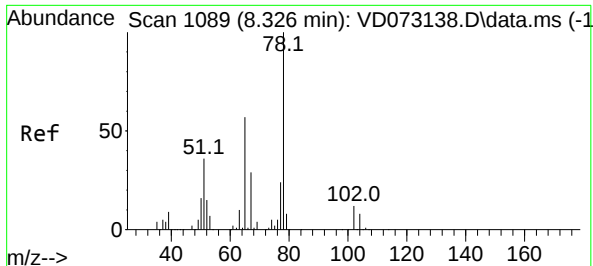
Tgt Ion: 43 Resp: 3205  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.6 27.8#



#31  
Cyclohexane  
Concen: 1.149 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.012 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

Tgt Ion: 56 Resp: 6099  
Ion Ratio Lower Upper  
56 100  
69 192.3 25.4 38.2#  
84 145.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.816 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073376.D

Acq: 25 May 2022 22:39

Instrument :

MSVOA\_D

ClientSampleId :

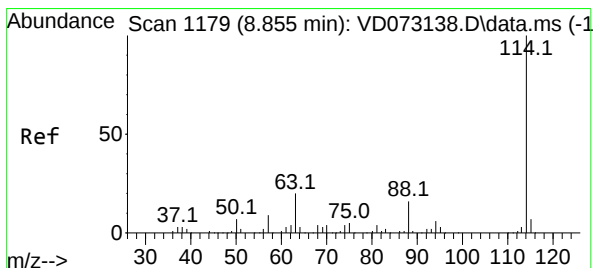
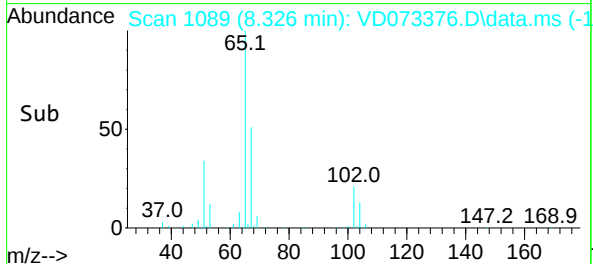
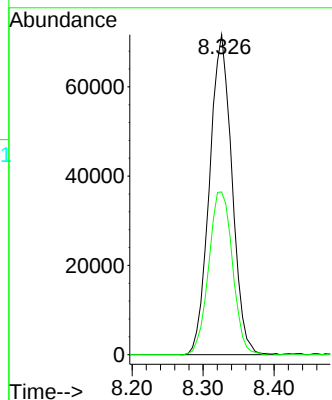
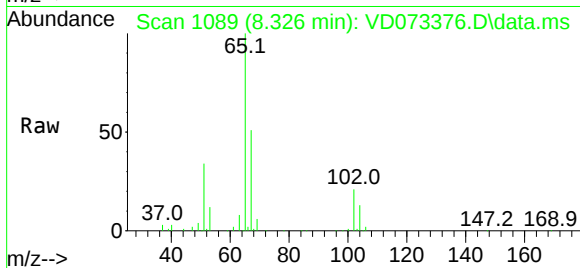
P030-SS001-1824-01

Tgt Ion: 65 Resp: 157325

Ion Ratio Lower Upper

65 100

67 53.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073376.D

Acq: 25 May 2022 22:39

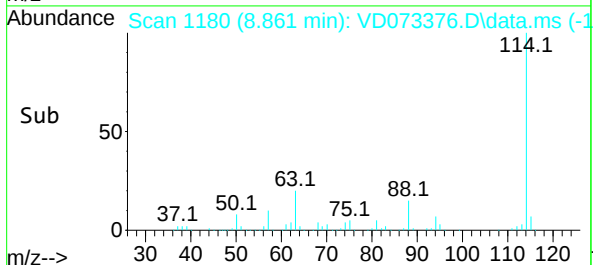
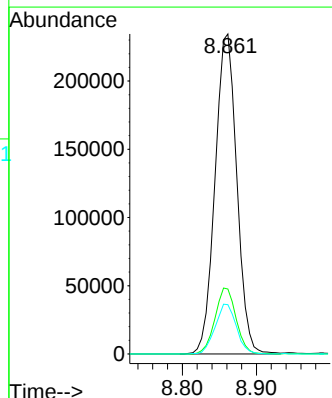
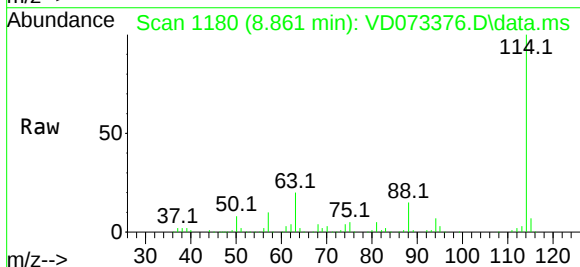
Tgt Ion: 114 Resp: 478078

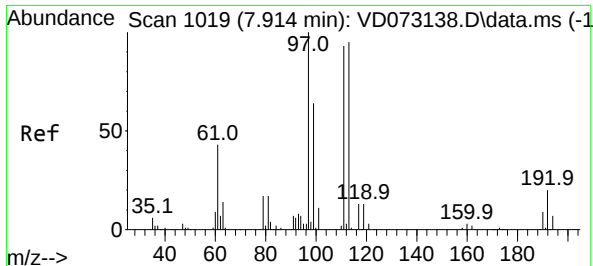
Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.149 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073376.D

Acq: 25 May 2022 22:39

Instrument :

MSVOA\_D

ClientSampleId :

P030-SS001-1824-01

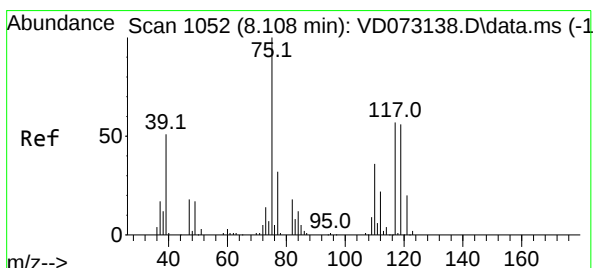
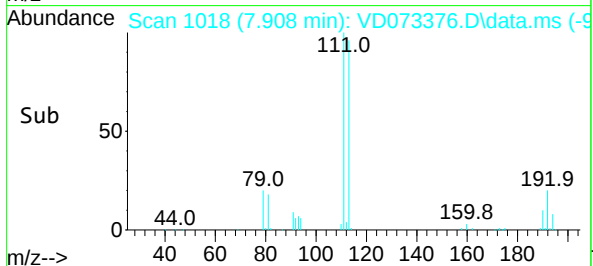
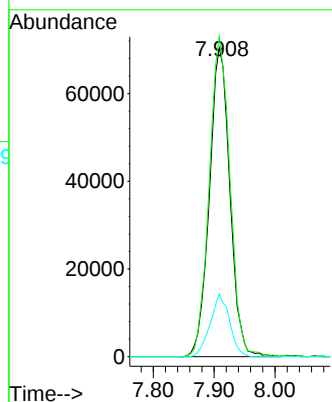
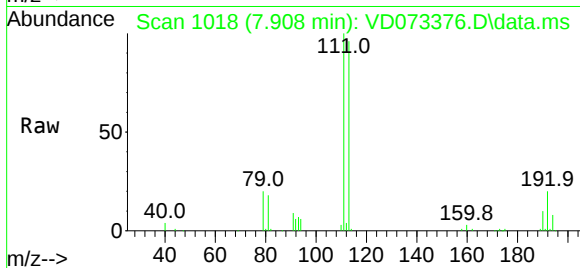
Tgt Ion:113 Resp: 164512

Ion Ratio Lower Upper

113 100

111 105.4 83.8 125.6

192 19.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.113 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073376.D

Acq: 25 May 2022 22:39

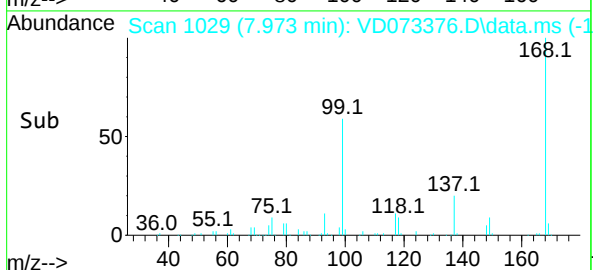
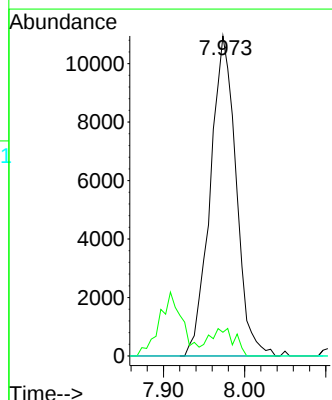
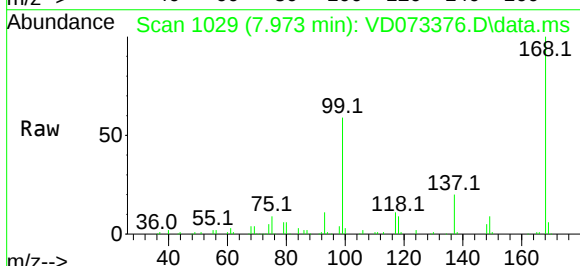
Tgt Ion: 75 Resp: 24257

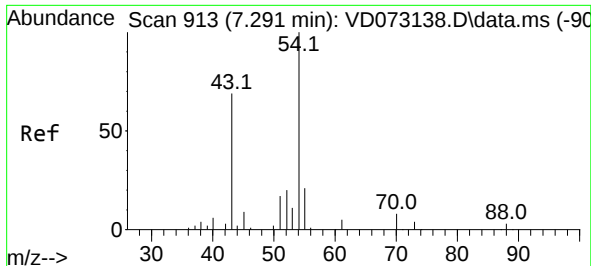
Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.710 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073376.D

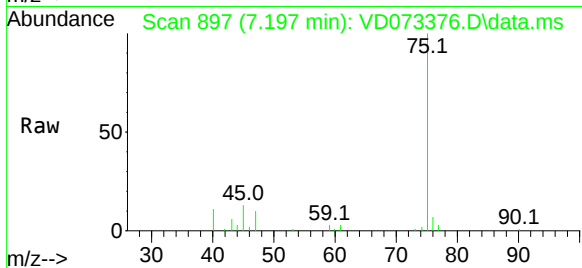
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Instrument :

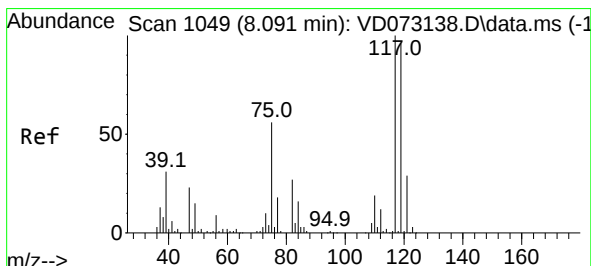
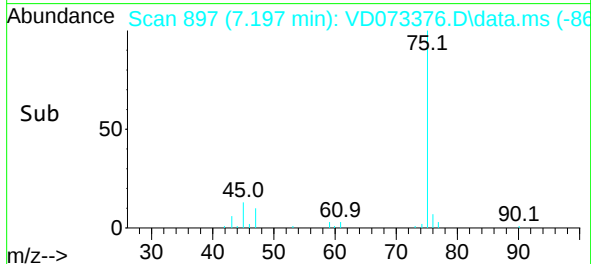
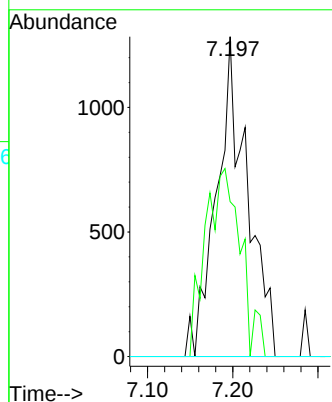
MSVOA\_D

ClientSampleId :

P030-SS001-1824-01



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3205  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 68.1  | 9.8   | 14.8# |
| 70       | 0.0   | 6.9   | 10.3# |



#38

Carbon Tetrachloride

Concen: 6.060 ug/l

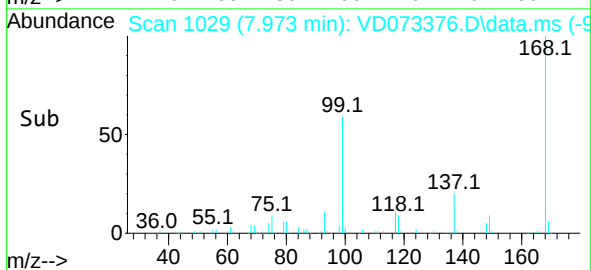
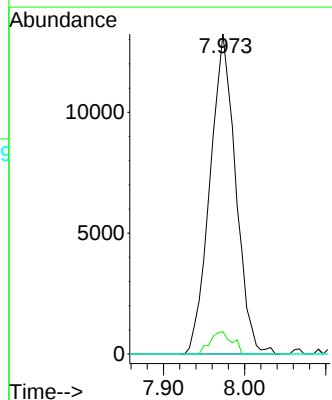
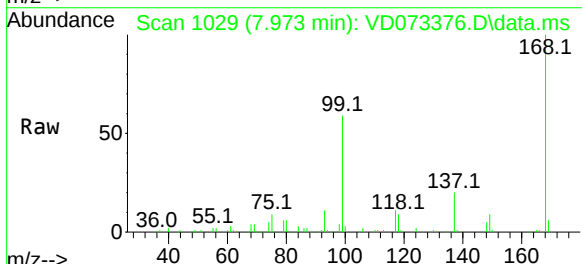
RT: 7.973 min Scan# 1029

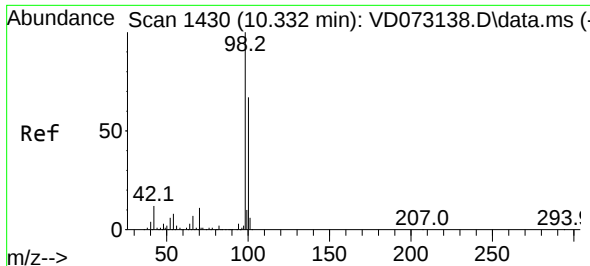
Delta R.T. -0.118 min

Lab File: VD073376.D

Acq: 25 May 2022 22:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 29143  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 6.9   | 75.8  | 113.6# |
| 121      | 0.0   | 24.5  | 36.7#  |

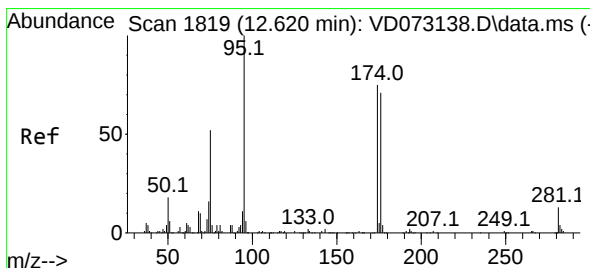
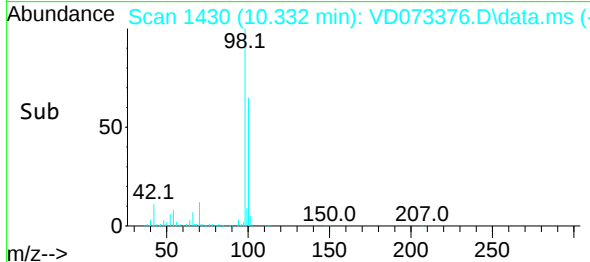
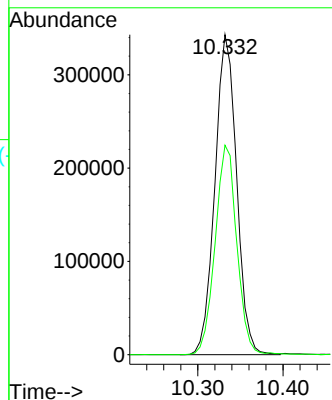
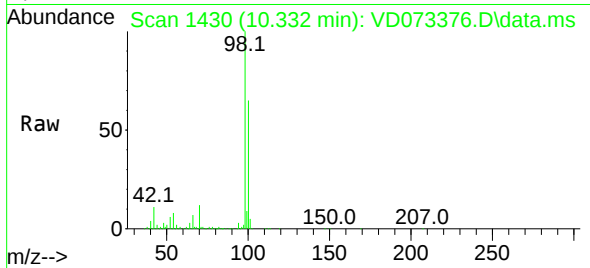




#50  
Toluene-d8  
Concen: 52.214 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

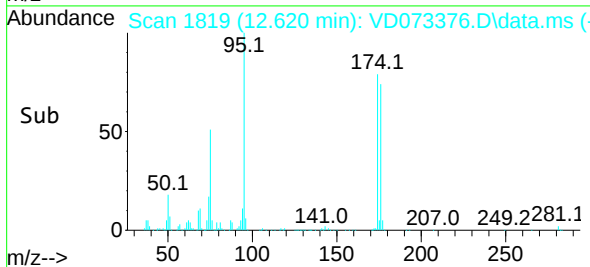
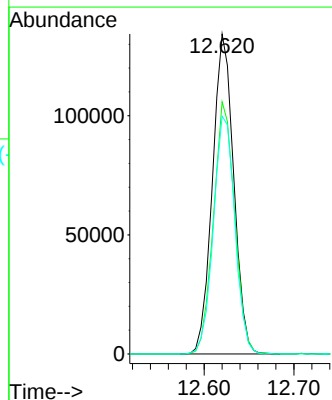
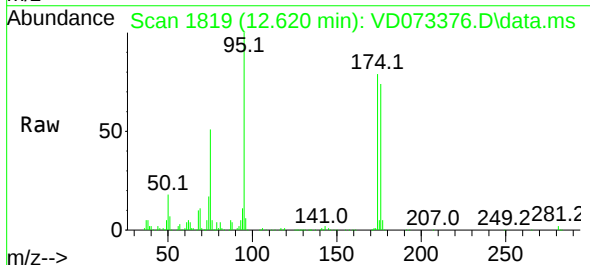
Instrument :  
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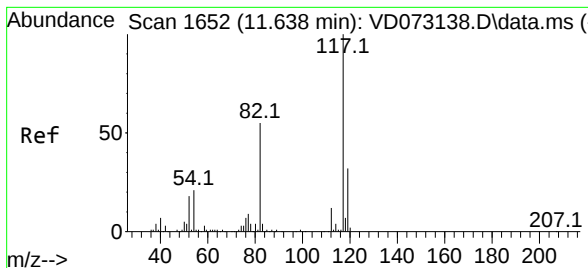
Tgt Ion: 98 Resp: 607197  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 54.040 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

Tgt Ion: 95 Resp: 220542  
Ion Ratio Lower Upper  
95 100  
174 78.7 0.0 152.8  
176 75.0 0.0 145.4

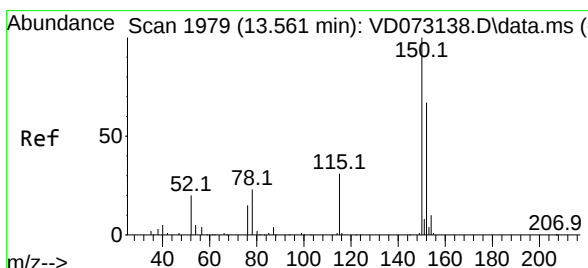
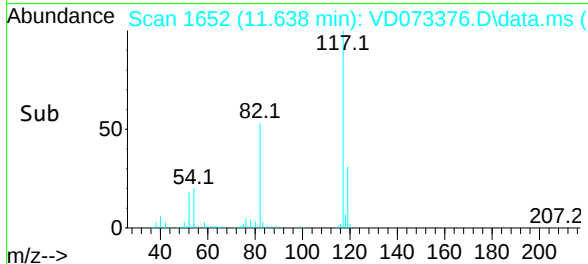
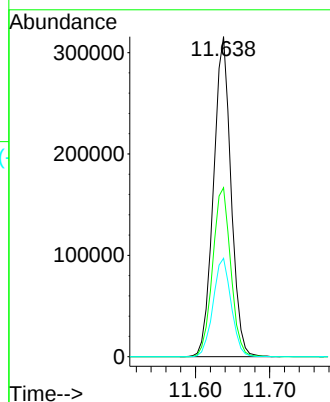
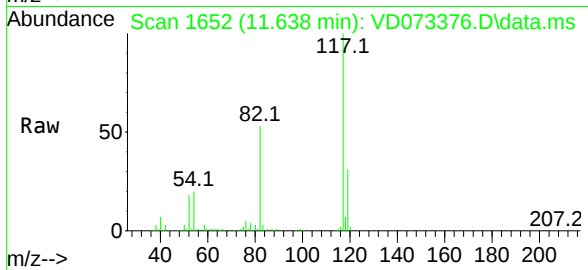




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

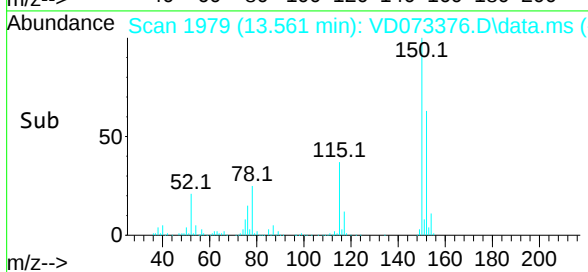
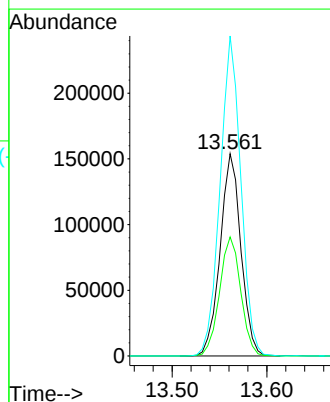
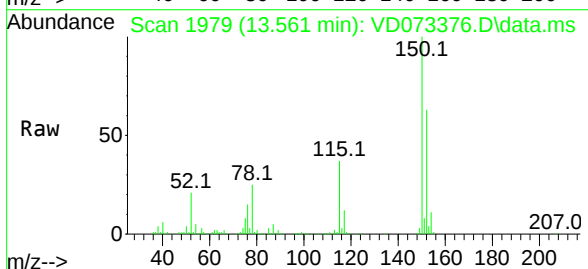
Instrument :  
MSVOA\_D  
ClientSampleId :  
P030-SS001-1824-01

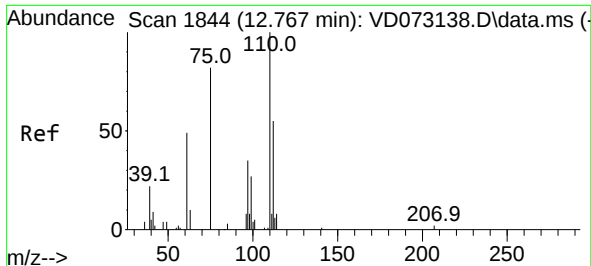
Tgt Ion:117 Resp: 517669  
Ion Ratio Lower Upper  
117 100  
82 52.8 45.3 67.9  
119 30.8 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

Tgt Ion:152 Resp: 235202  
Ion Ratio Lower Upper  
152 100  
115 59.9 31.3 93.8  
150 157.9 0.0 348.6

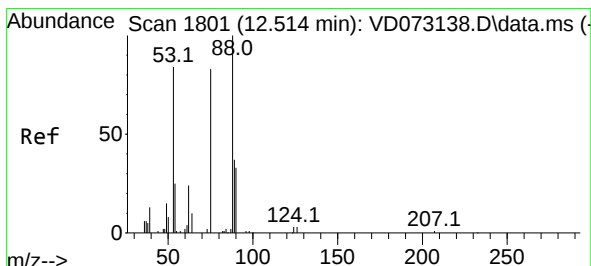
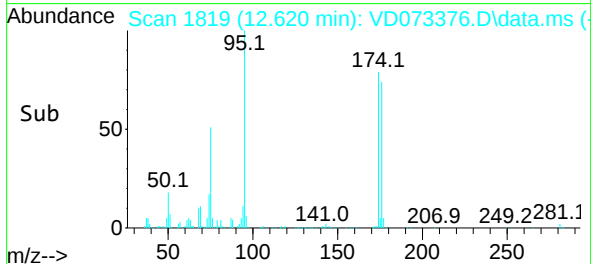
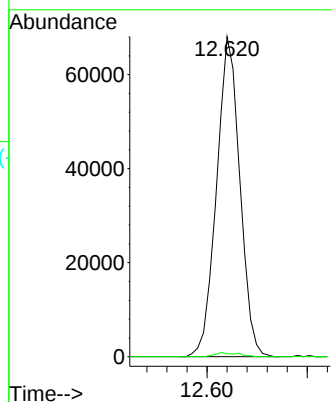
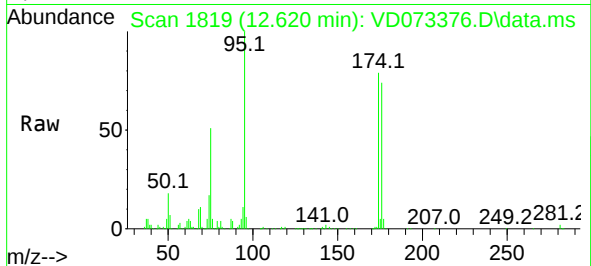




#76  
1,2,3-Trichloropropane  
Concen: 47.519 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

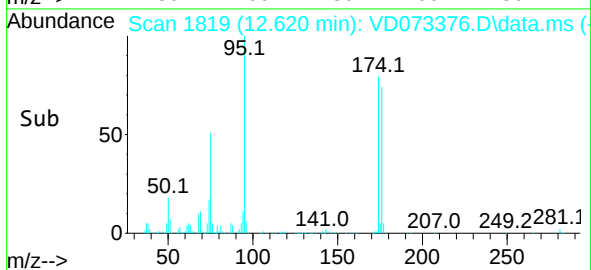
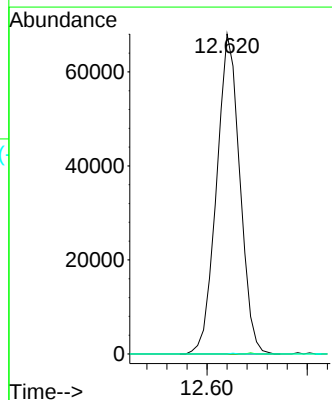
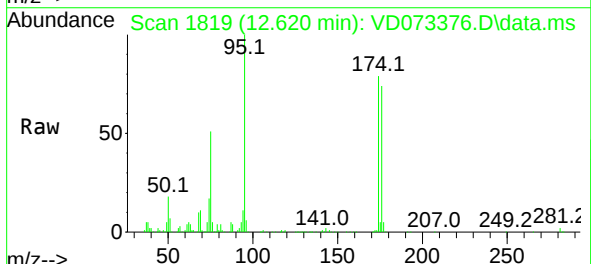
Instrument :  
MSVOA\_D  
ClientSampleId :  
P030-SS001-1824-01

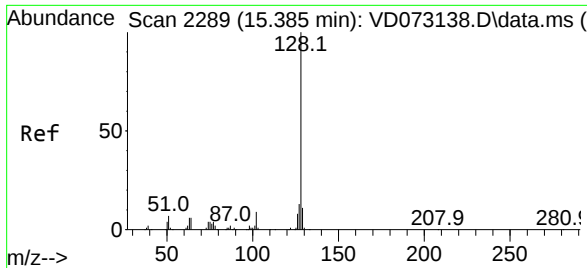
Tgt Ion: 75 Resp: 109662  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 114.079 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073376.D  
Acq: 25 May 2022 22:39

Tgt Ion: 75 Resp: 109662  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.5 129.7#  
89 0.1 33.9 50.9#





#95

Naphthalene

Concen: 3.564 ug/l

RT: 15.385 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD073376.D

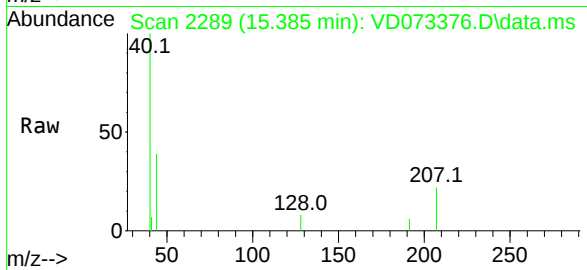
Acq: 25 May 2022 22:39

Instrument :

MSVOA\_D

ClientSampleId :

P030-SS001-1824-01



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 184   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.3  | 15.5# |
| 129      | 0.0   | 8.4   | 12.6# |

