

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011321\  
 Data File : VD068076.D  
 Acq On : 13 Jan 2021 17:56  
 Operator : VA/SY  
 Sample : M1073-01  
 Misc : 6.82G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-217

Quant Time: Jan 13 18:26:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 13 03:57:57 2021  
 Response via : Initial Calibration

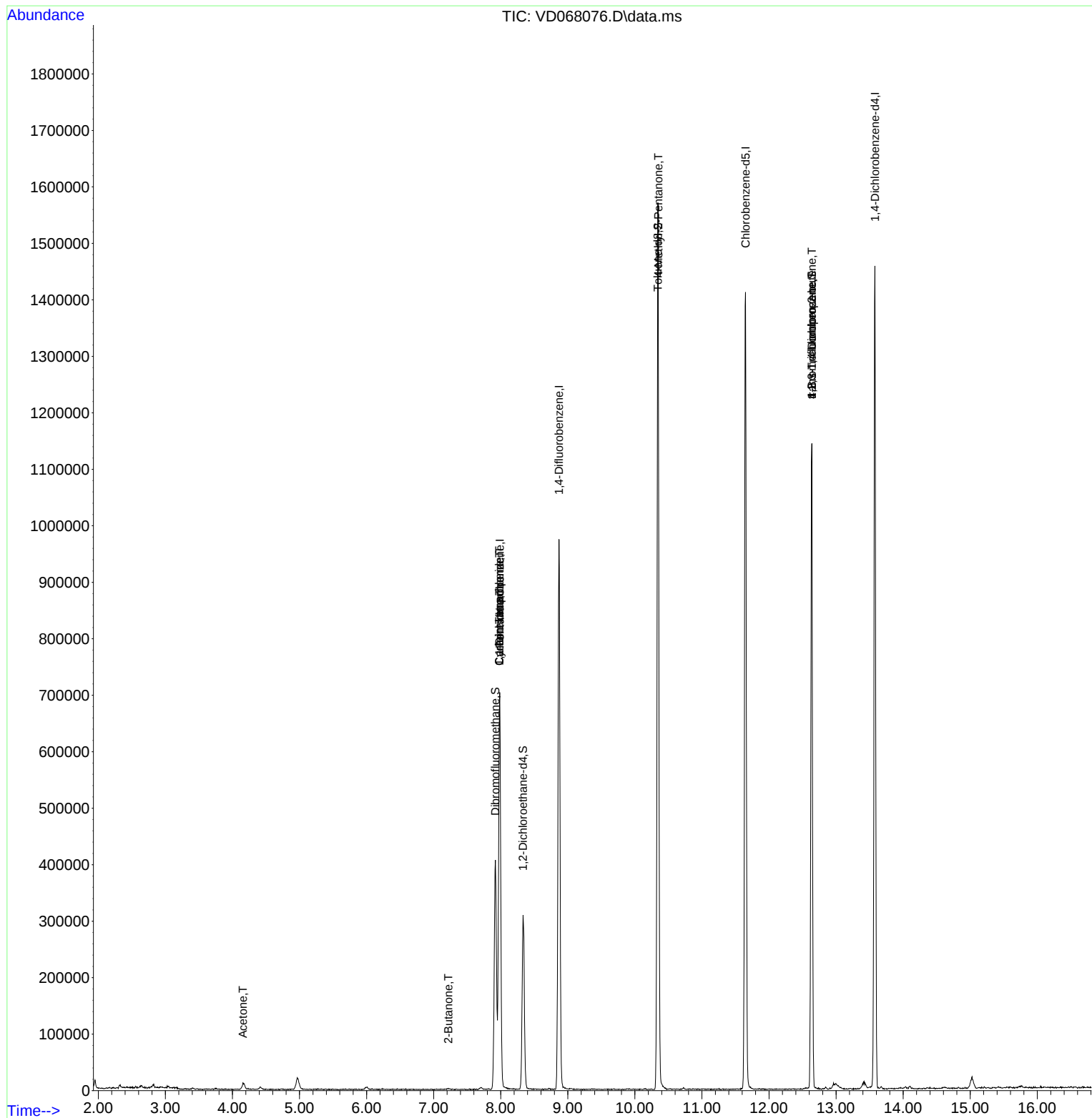
| Compound                      | R.T.           | QIon | Response           | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|-------|----------|
| -----                         |                |      |                    |           |       |          |
| Internal Standards            |                |      |                    |           |       |          |
| 1) Pentafluorobenzene         | 7.985          | 168  | 547394             | 50.00     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 914924             | 50.00     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.650         | 117  | 909850             | 50.00     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.579         | 152  | 413707             | 50.00     | ug/l  | 0.00     |
|                               |                |      |                    |           |       |          |
| System Monitoring Compounds   |                |      |                    |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 263024             | 56.51     | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 113.02% |           |       |          |
| 35) Dibromofluoromethane      | 7.920          | 113  | 288214             | 55.27     | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 110.54% |           |       |          |
| 50) Toluene-d8                | 10.344         | 98   | 1090377            | 56.73     | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 113.46% |           |       |          |
| 62) 4-Bromofluorobenzene      | 12.638         | 95   | 380749             | 56.54     | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 113.08% |           |       |          |
|                               |                |      |                    |           |       |          |
| Target Compounds              |                |      |                    |           |       |          |
| 11) Tert butyl alcohol        | 5.226          | 59   | 66                 | Below Cal | #     | 74       |
| 16) Acetone                   | 4.156          | 43   | 19850              | 26.91     | ug/l  | 95       |
| 20) Methylene Chloride        | 4.968          | 84   | 17851              | Below Cal |       | 96       |
| 25) 2-Butanone                | 7.220          | 43   | 1935               | 2.05      | ug/l  | # 76     |
| 31) Cyclohexane               | 7.979          | 56   | 9733               | 1.25      | ug/l  | # 44     |
| 36) 1,1-Dichloropropene       | 7.979          | 75   | 36773              | 4.57      | ug/l  | # 48     |
| 38) Carbon Tetrachloride      | 7.979          | 117  | 53083              | 5.54      | ug/l  | # 18     |
| 51) 4-Methyl-2-Pentanone      | 10.350         | 43   | 4426               | 1.91      | ug/l  | # 1      |
| 76) 1,2,3-Trichloropropane    | 12.638         | 75   | 184163             | 56.18     | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.638         | 75   | 184163             | 126.06    | ug/l  | # 14     |
| -----                         |                |      |                    |           |       |          |

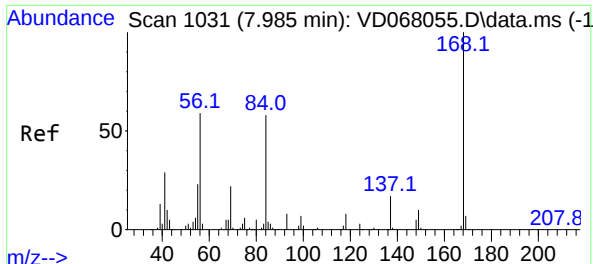
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M1073-01  
Misc : 6.82G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-217

Quant Time: Jan 13 18:26:34 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011221S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 13 03:57:57 2021  
Response via : Initial Calibration

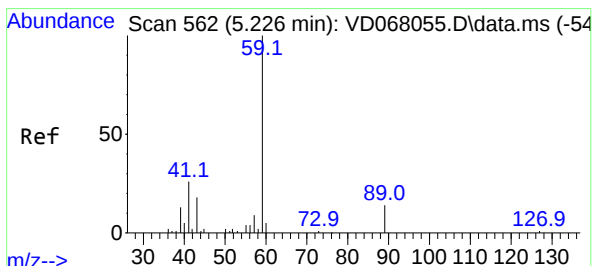
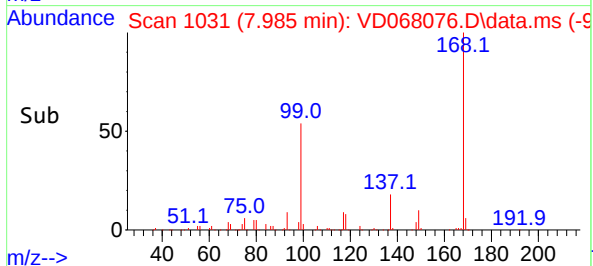
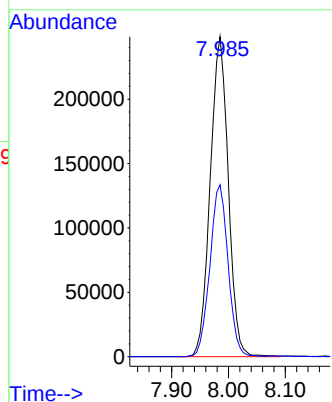
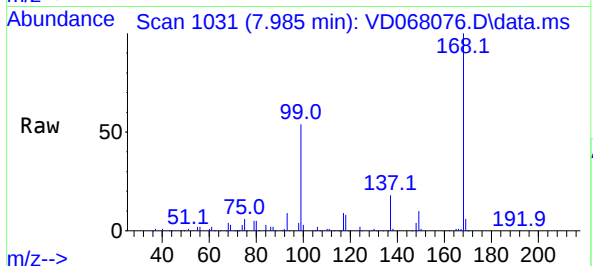




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

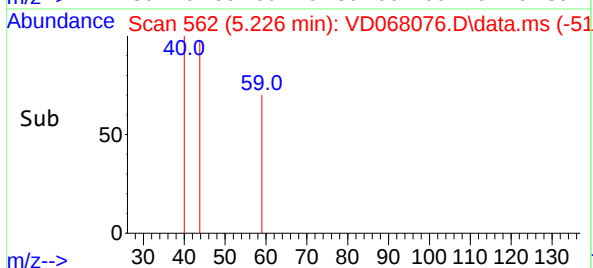
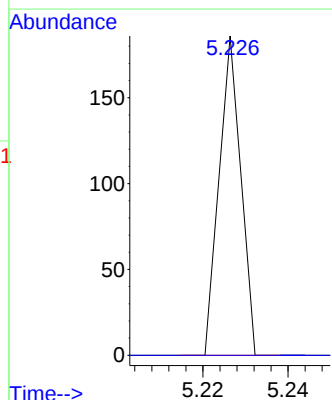
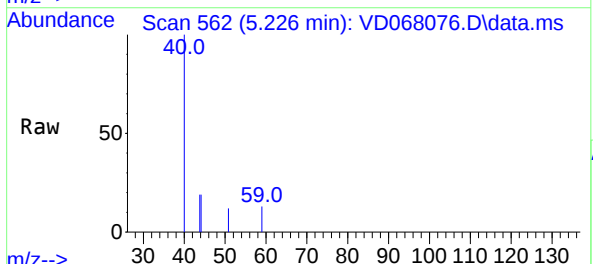
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-217

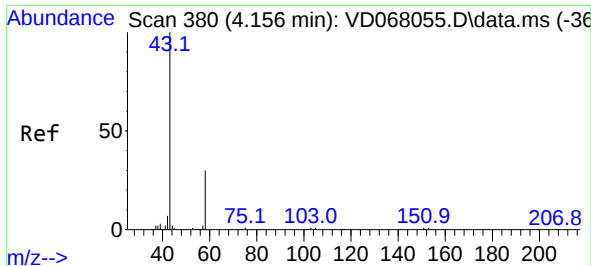
Tgt Ion:168 Resp: 547394  
Ion Ratio Lower Upper  
168 100  
99 53.7 43.5 65.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.226 min Scan# 562  
Delta R.T. 0.000 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

Tgt Ion: 59 Resp: 66  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

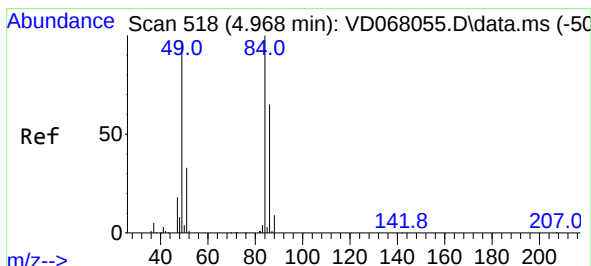
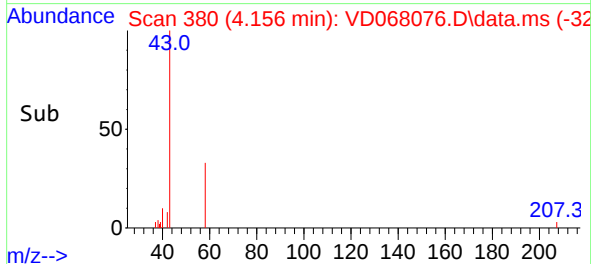
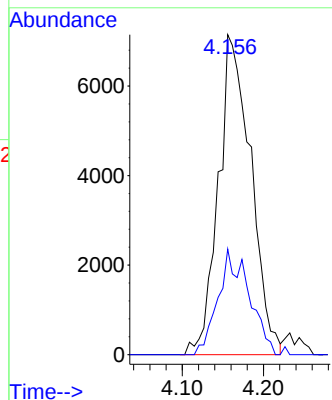
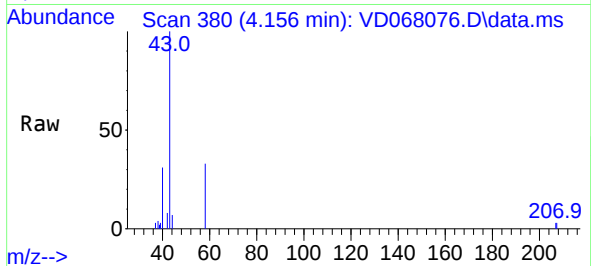




#16  
Acetone  
Concen: 26.91 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. 0.000 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

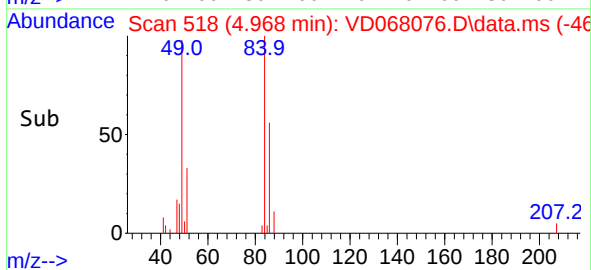
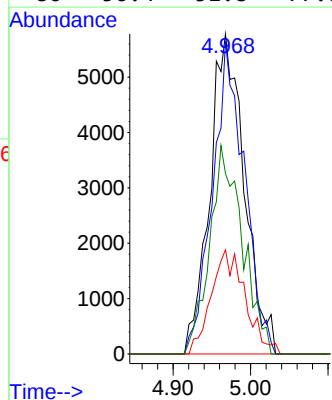
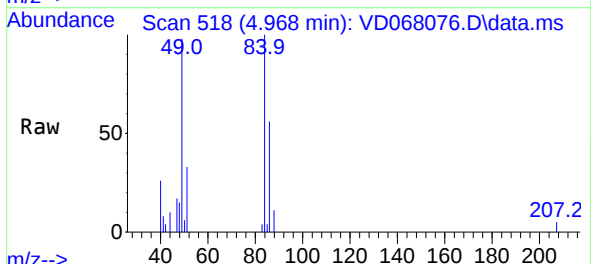
Instrument :  
MSVOA\_D  
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VNJ-217

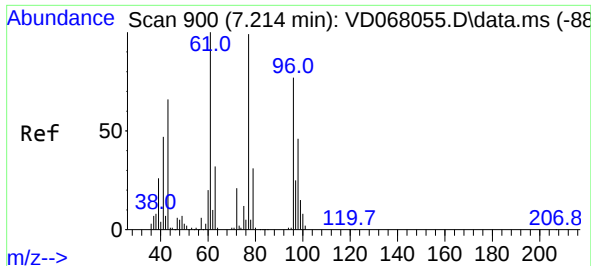
Tgt Ion: 43 Resp: 19850  
Ion Ratio Lower Upper  
43 100  
58 33.0 24.2 36.4



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.968 min Scan# 518  
Delta R.T. -0.000 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

Tgt Ion: 84 Resp: 17851  
Ion Ratio Lower Upper  
84 100  
49 97.8 77.4 116.2  
51 32.5 26.1 39.1  
86 56.4 51.8 77.8

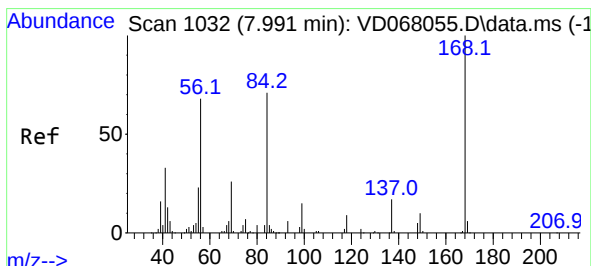
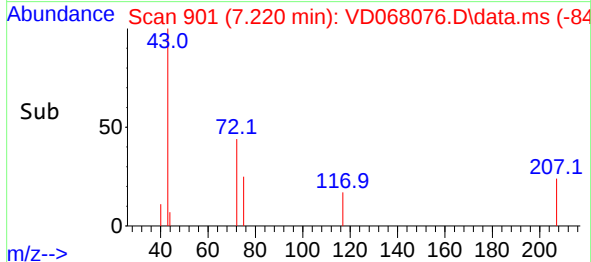
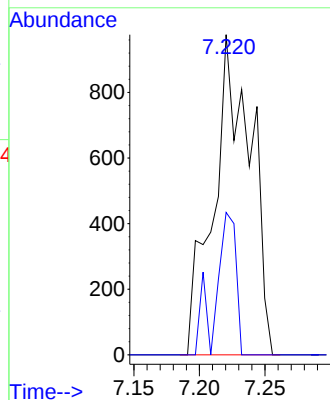
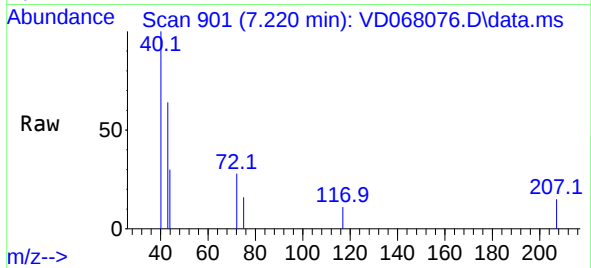




#25  
2-Butanone  
Concen: 2.05 ug/l  
RT: 7.220 min Scan# 901  
Delta R.T. 0.006 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

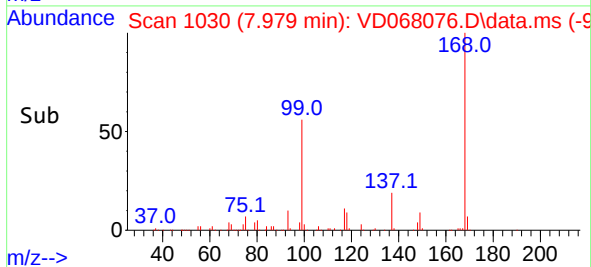
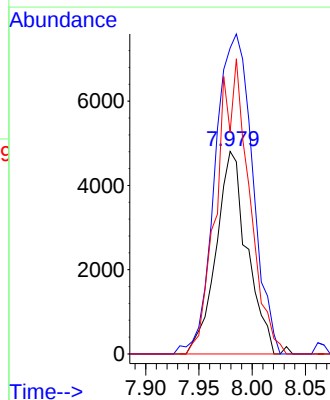
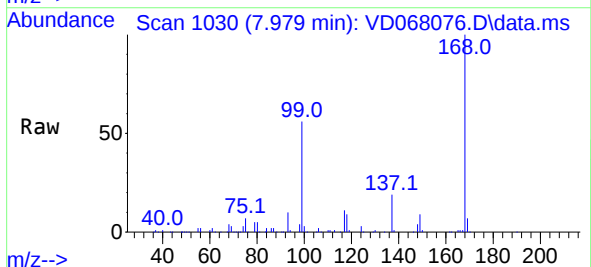
Instrument :  
MSVOA\_D  
ClientSampled :  
VNJ-217

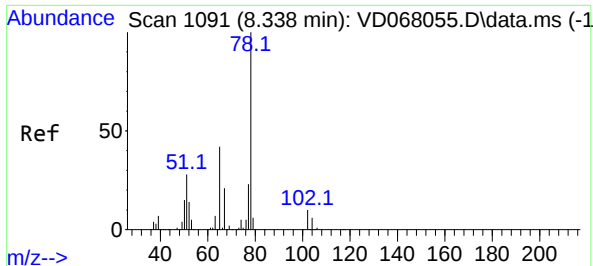
Tgt Ion: 43 Resp: 1935  
Ion Ratio Lower Upper  
43 100  
72 44.5 25.1 37.7#



#31  
Cyclohexane  
Concen: 1.25 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.012 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

Tgt Ion: 56 Resp: 9733  
Ion Ratio Lower Upper  
56 100  
69 151.0 30.1 45.1#  
84 109.5 82.1 123.1

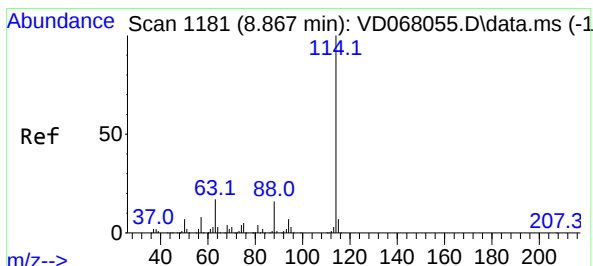
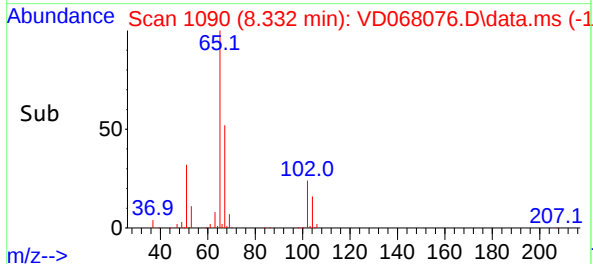
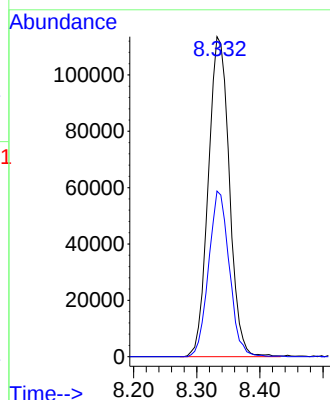
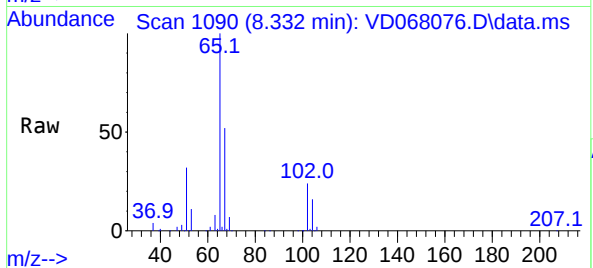




#33  
1,2-Dichloroethane-d4  
Concen: 56.51 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

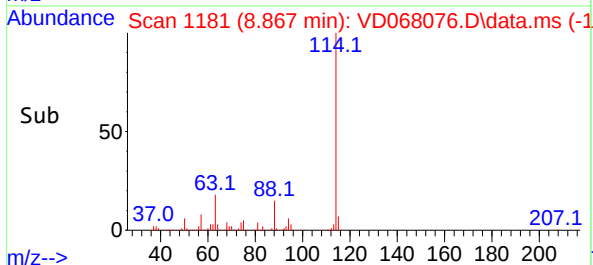
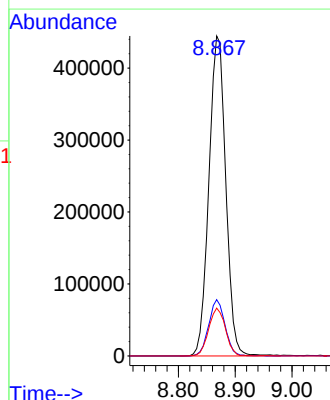
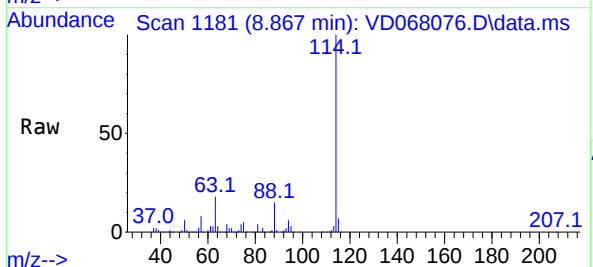
Instrument :  
MSVOA\_D  
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VNJ-217

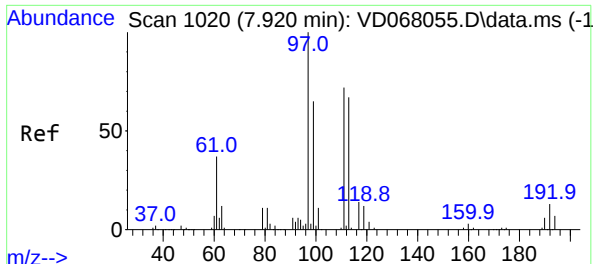
Tgt Ion: 65 Resp: 263024  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 105.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

Tgt Ion: 114 Resp: 914924  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 34.8  
88 15.0 0.0 31.6

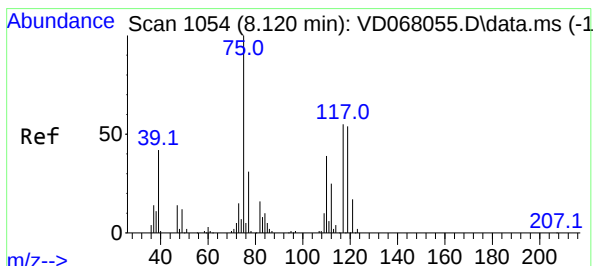
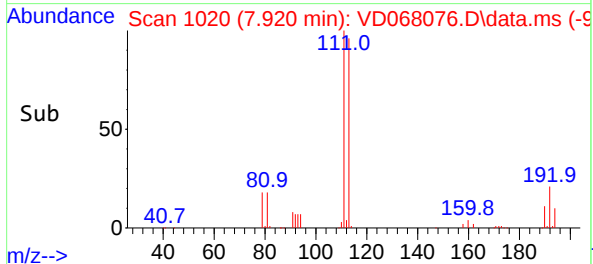
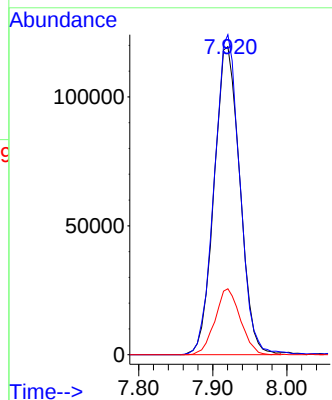
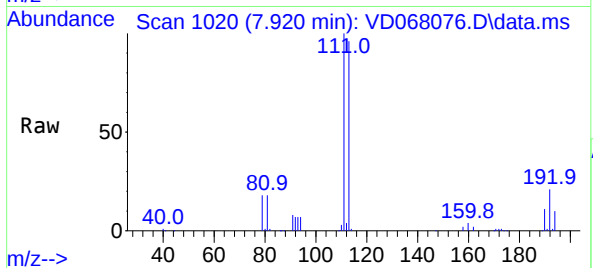




#35  
Dibromofluoromethane  
Concen: 55.27 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

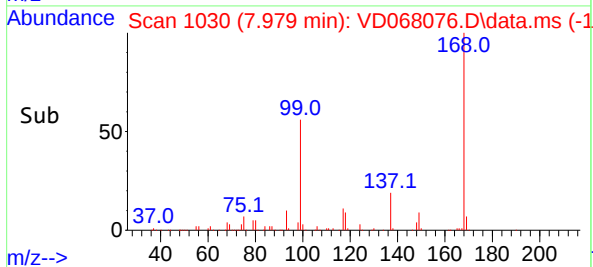
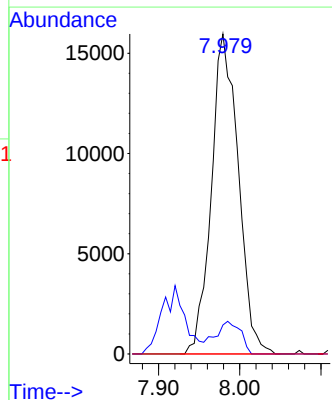
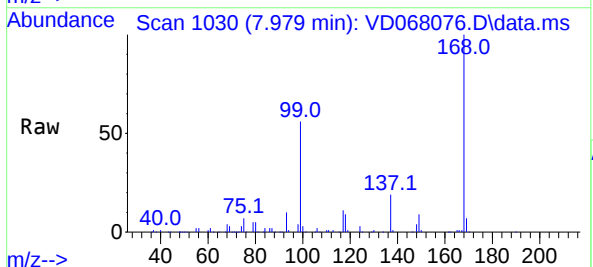
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ClientSampleId :  
VNJ-217

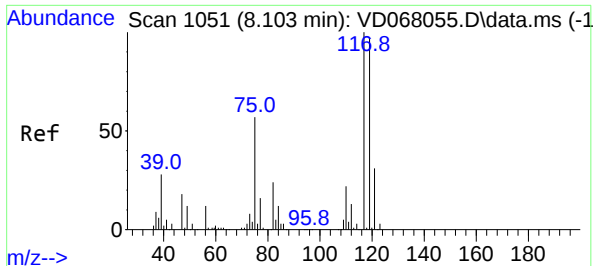
Tgt Ion:113 Resp: 288214  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.4 122.0  
192 21.0 16.1 24.1



#36  
1,1-Dichloropropene  
Concen: 4.57 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.141 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

Tgt Ion: 75 Resp: 36773  
Ion Ratio Lower Upper  
75 100  
110 9.5 19.4 58.2#  
77 0.0 25.3 37.9#

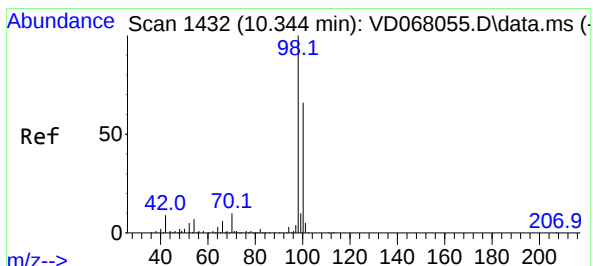
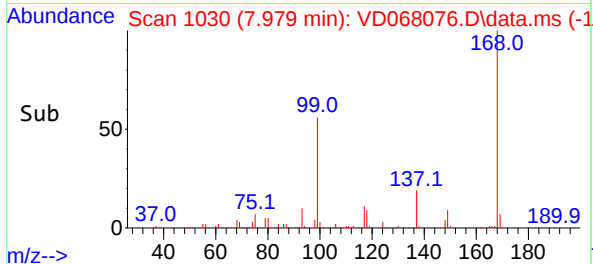
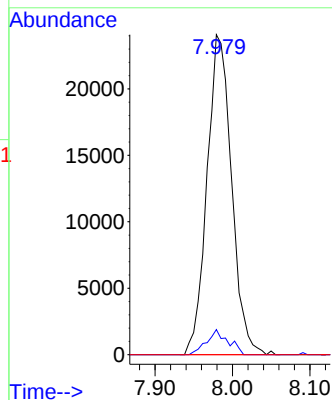
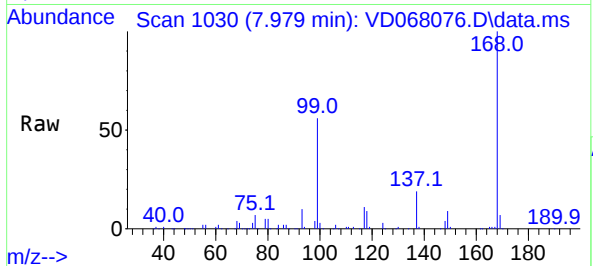




#38  
Carbon Tetrachloride  
Concen: 5.54 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.123 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

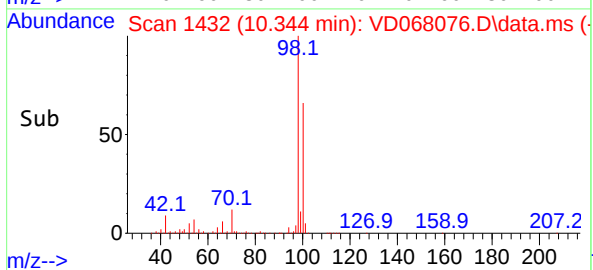
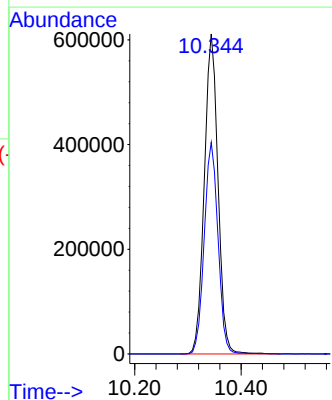
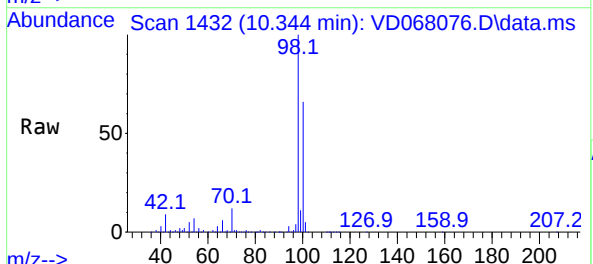
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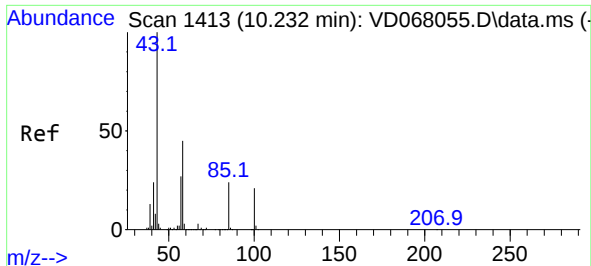
Tgt Ion:117 Resp: 53083  
Ion Ratio Lower Upper  
117 100  
119 7.9 77.3 115.9#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 56.73 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

Tgt Ion: 98 Resp: 1090377  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.0 79.4

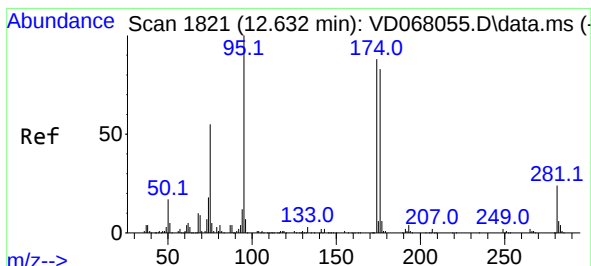
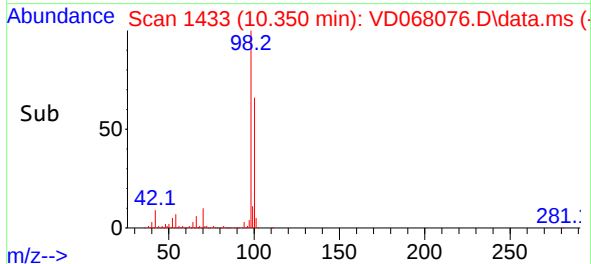
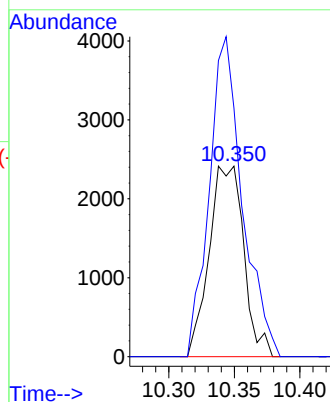
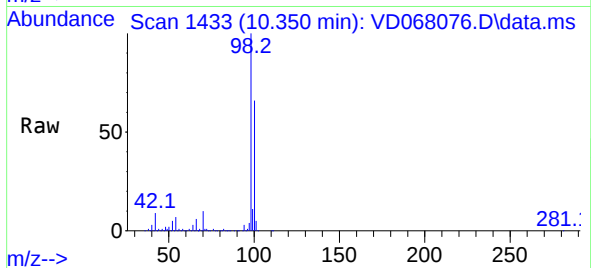




#51  
4-Methyl-2-Pentanone  
Concen: 1.91 ug/l  
RT: 10.350 min Scan# 1433  
Delta R.T. 0.118 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

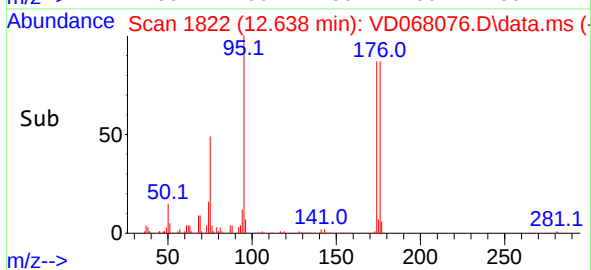
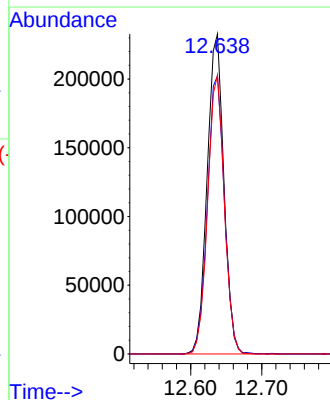
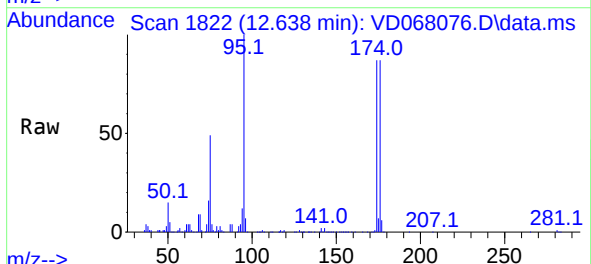
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-217

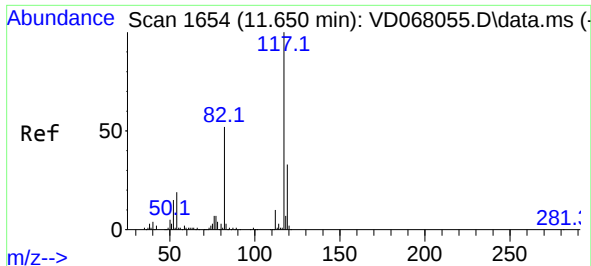
Tgt Ion: 43 Resp: 4426  
Ion Ratio Lower Upper  
43 100  
58 160.8 36.1 54.1#



#62  
4-Bromofluorobenzene  
Concen: 56.54 ug/l  
RT: 12.638 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

Tgt Ion: 95 Resp: 380749  
Ion Ratio Lower Upper  
95 100  
174 88.4 0.0 172.4  
176 86.6 0.0 168.4

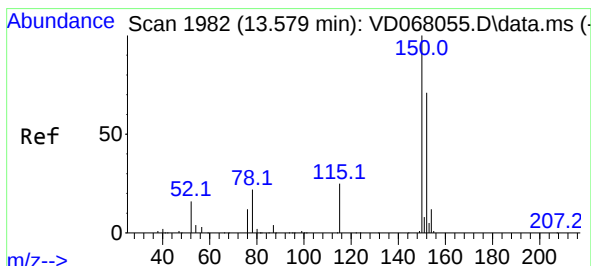
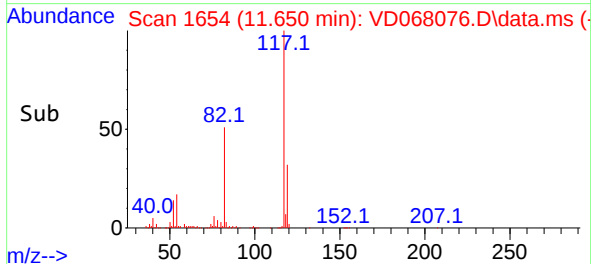
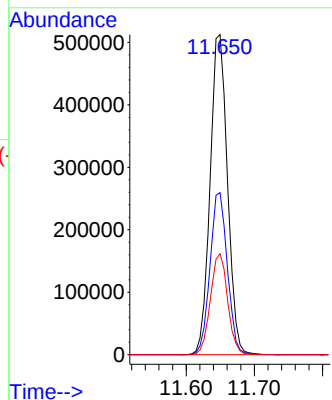
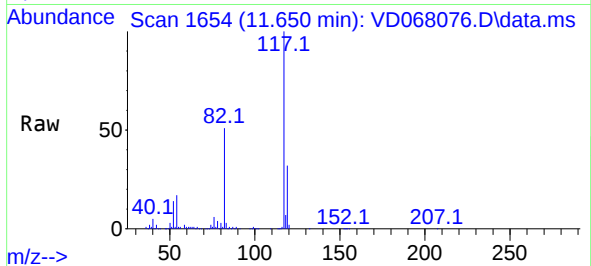




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.650 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

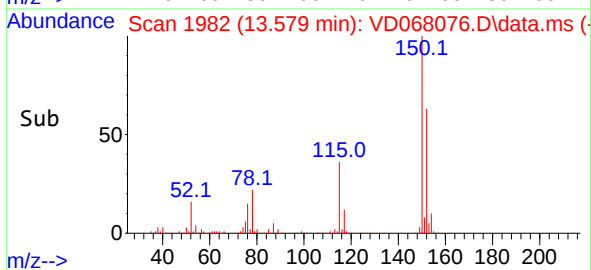
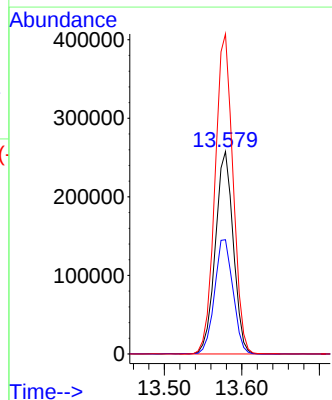
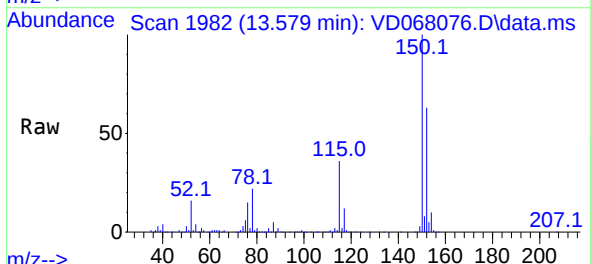
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-217

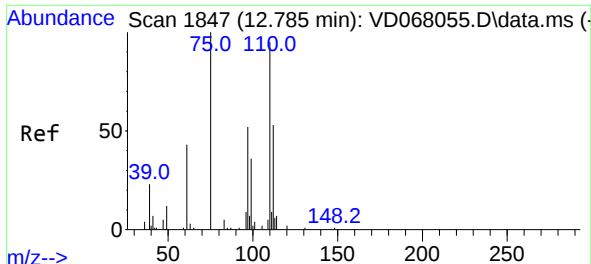
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 909850 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.7  | 41.4  | 62.0   |
| 119      | 31.6  | 26.1  | 39.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.579 min Scan# 1982  
Delta R.T. 0.000 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 413707 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 58.1  | 28.9  | 86.8   |
| 150      | 158.6 | 0.0   | 344.4  |

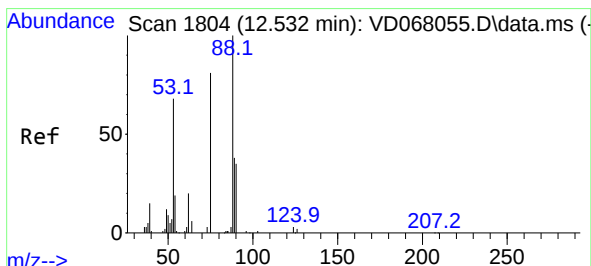
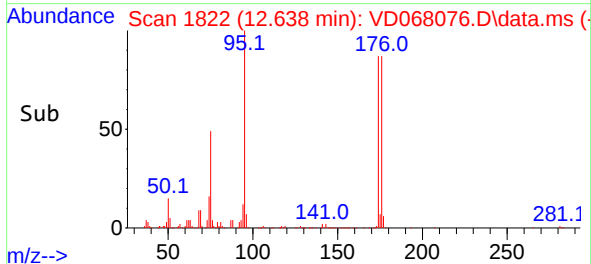
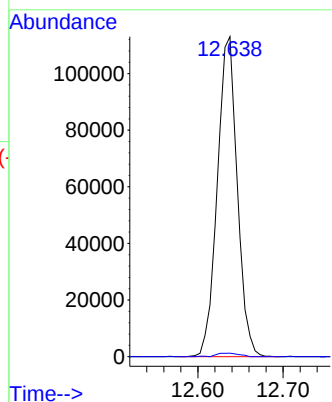
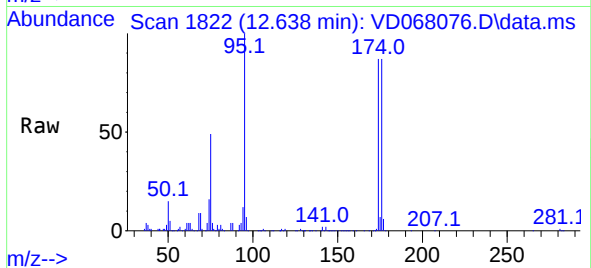




#76  
1,2,3-Trichloropropane  
Concen: 56.18 ug/l  
RT: 12.638 min Scan# 1822  
Delta R.T. -0.147 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-217

Tgt Ion: 75 Resp: 184163  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 126.06 ug/l  
RT: 12.638 min Scan# 1822  
Delta R.T. 0.106 min  
Lab File: VD068076.D  
Acq: 13 Jan 2021 17:56

Tgt Ion: 75 Resp: 184163  
Ion Ratio Lower Upper  
75 100  
53 0.1 70.2 105.2#  
89 0.1 40.3 60.5#

