

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021721\  
 Data File : VD068381.D  
 Acq On : 17 Feb 2021 14:25  
 Operator : VA/SY  
 Sample : M1422-01  
 Misc : 6.99G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BU-03-021621

Quant Time: Feb 18 00:12:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 12 13:30:51 2021  
 Response via : Initial Calibration

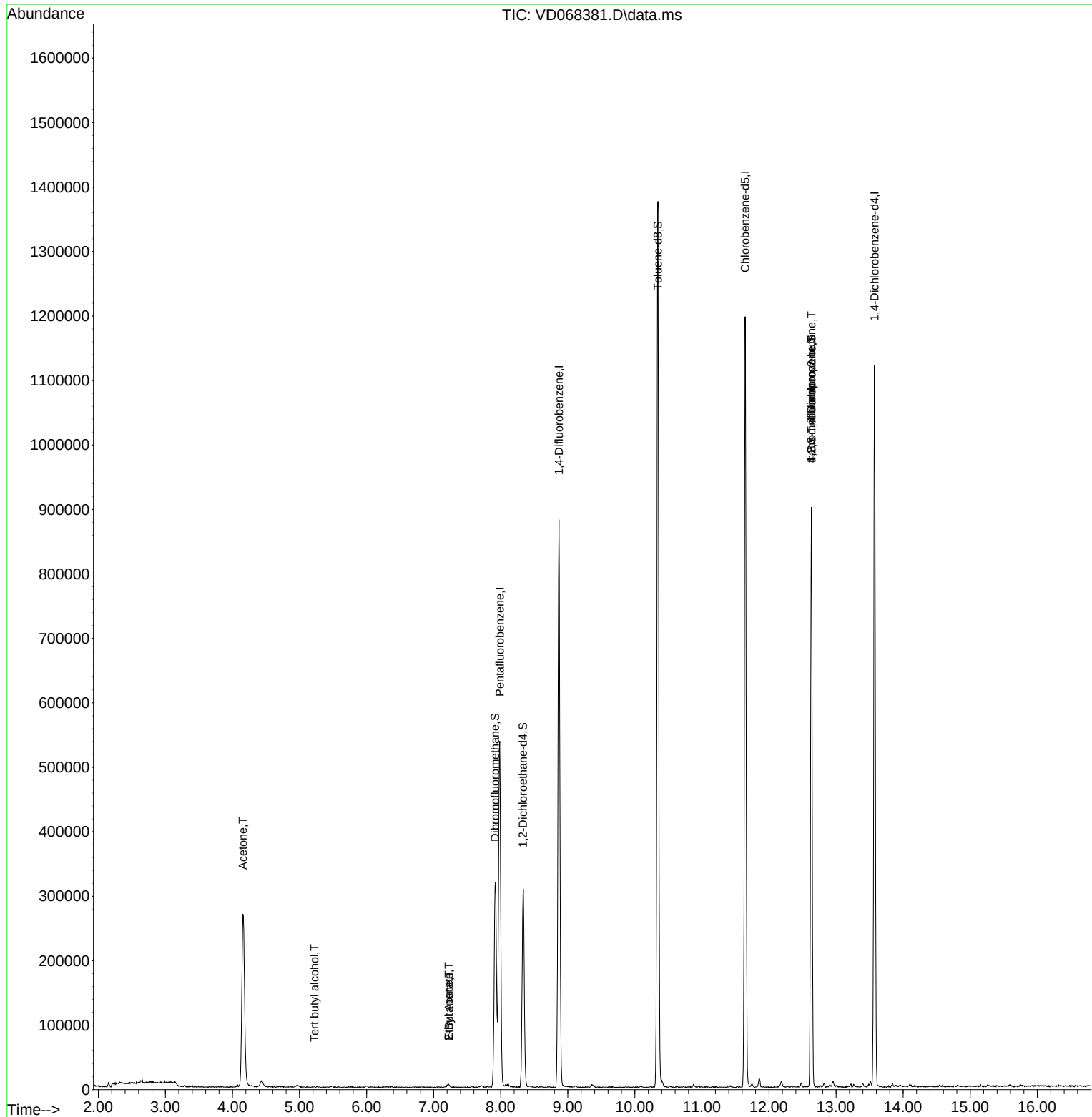
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.985          | 168  | 401571             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 780472             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.644         | 117  | 695859             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 295431             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 242087             | 58.97     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 117.94% |           |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 237046             | 51.17     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 102.34% |           |        |          |
| 50) Toluene-d8                | 10.344         | 98   | 972770             | 50.66     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 101.32% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.632         | 95   | 302865             | 48.42     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 96.84%  |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 5.220          | 59   | 438                | 2.13      | ug/l # | 74       |
| 16) Acetone                   | 4.156          | 43   | 475704             | 751.06    | ug/l   | 94       |
| 20) Methylene Chloride        | 4.979          | 84   | 2057               | Below Cal | #      | 85       |
| 25) 2-Butanone                | 7.226          | 43   | 4249               | 4.80      | ug/l # | 71       |
| 31) Cyclohexane               | 7.985          | 56   | 9051               | Below Cal | #      | 15       |
| 37) Ethyl Acetate             | 7.226          | 43   | 4249               | 1.82      | ug/l # | 72       |
| 76) 1,2,3-Trichloropropane    | 12.632         | 75   | 154987             | 55.13     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632         | 75   | 154987             | 138.19    | ug/l # | 13       |
| -----                         |                |      |                    |           |        |          |

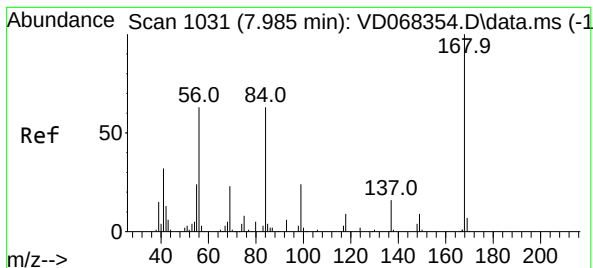
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
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BU-03-021621

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 12 13:30:51 2021  
Response via : Initial Calibration

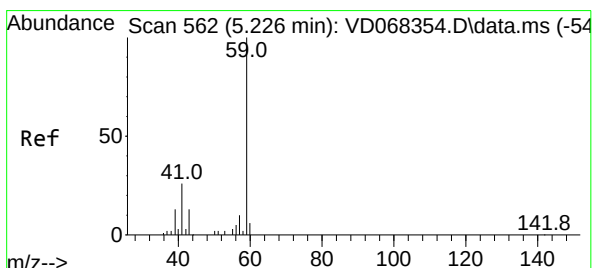
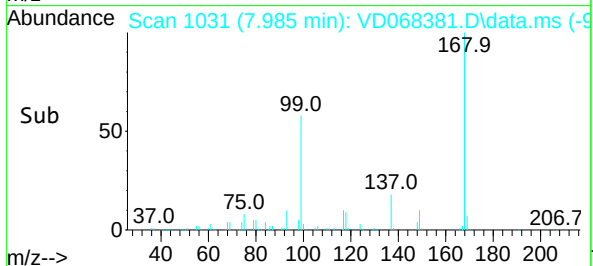
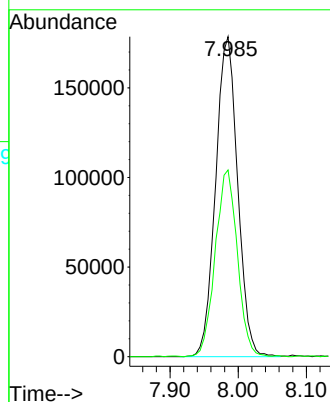
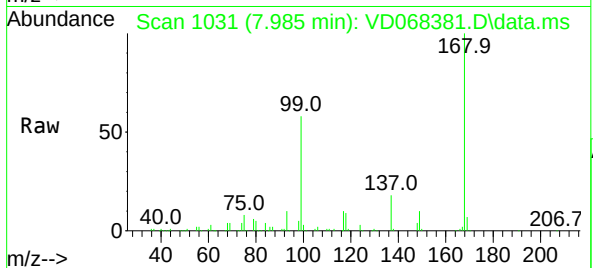




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

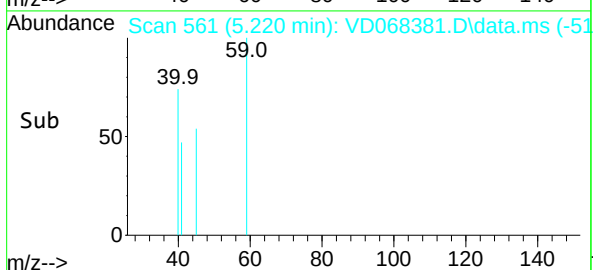
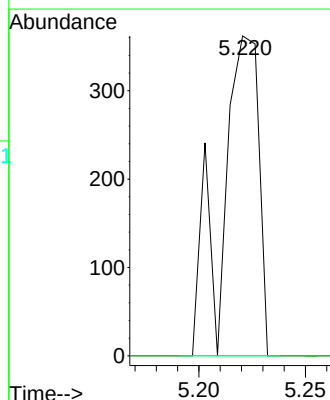
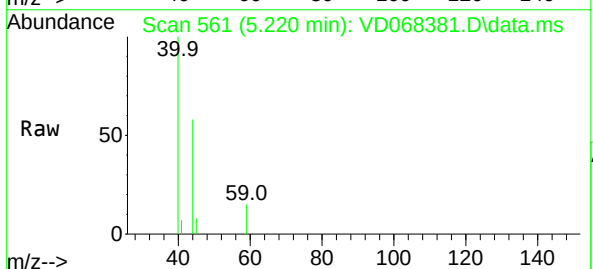
Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-03-021621

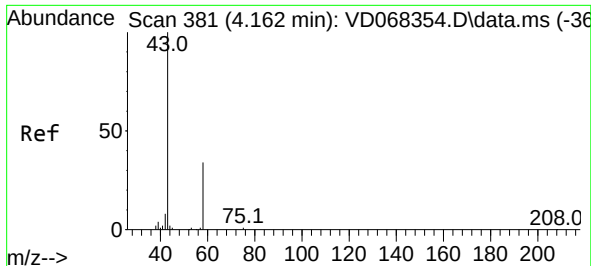
Tgt Ion:168 Resp: 401571  
Ion Ratio Lower Upper  
168 100  
99 58.3 43.5 65.3



#11  
Tert butyl alcohol  
Concen: 2.13 ug/l  
RT: 5.220 min Scan# 561  
Delta R.T. -0.006 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

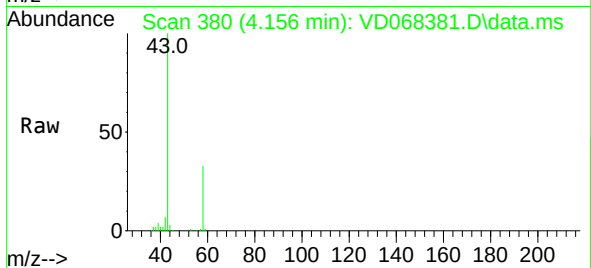
Tgt Ion: 59 Resp: 438  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



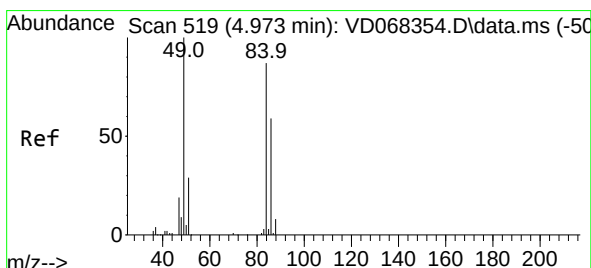
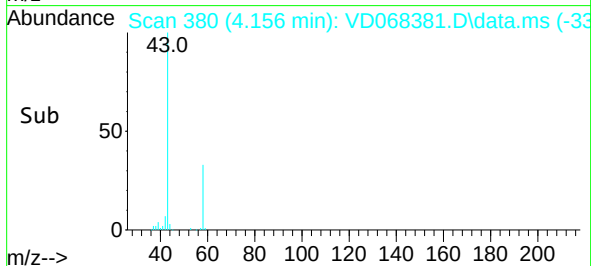
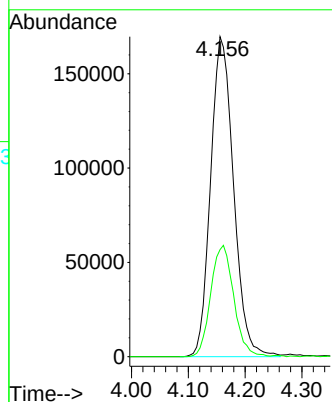


#16  
Acetone  
Concen: 751.06 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.006 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-03-021621

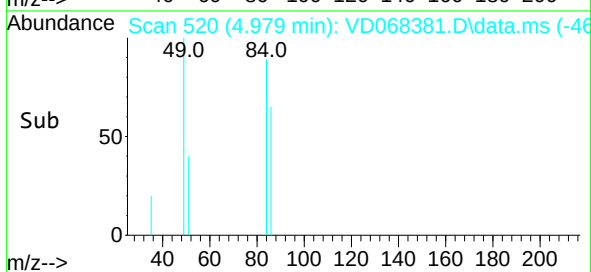
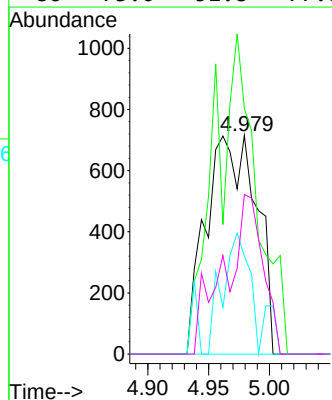
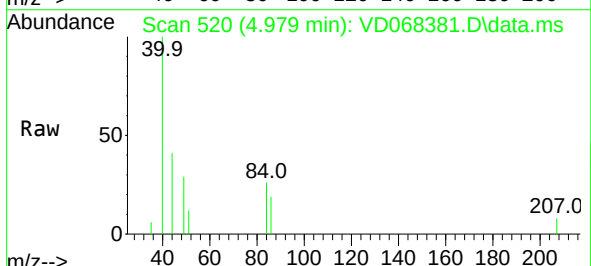


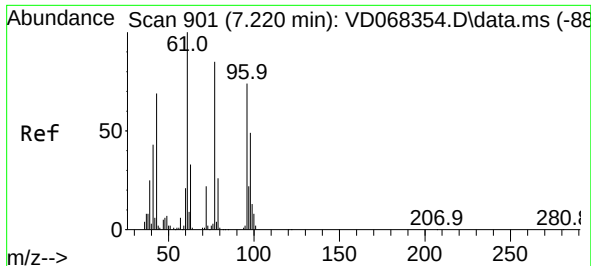
Tgt Ion: 43 Resp: 475704  
Ion Ratio Lower Upper  
43 100  
58 33.4 24.2 36.4



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.979 min Scan# 520  
Delta R.T. 0.006 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

Tgt Ion: 84 Resp: 2057  
Ion Ratio Lower Upper  
84 100  
49 112.3 77.4 116.2  
51 44.8 26.1 39.1#  
86 73.0 51.8 77.8

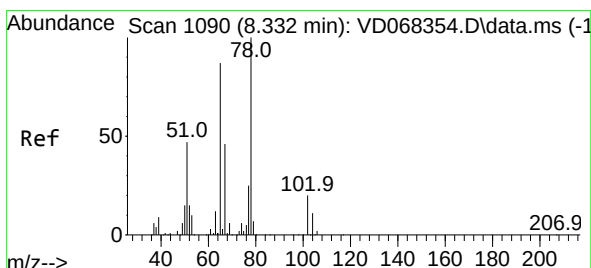
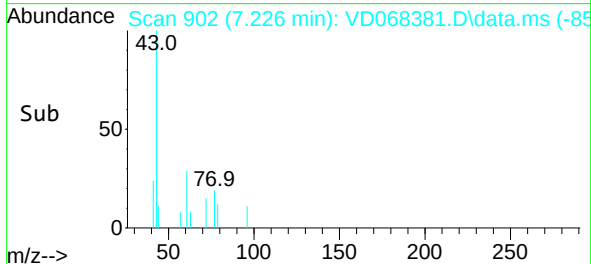
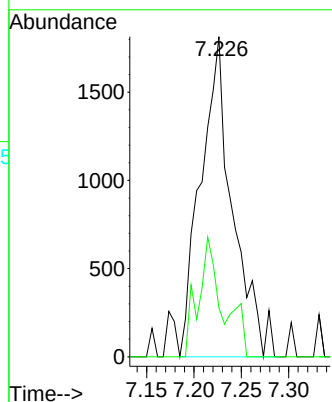
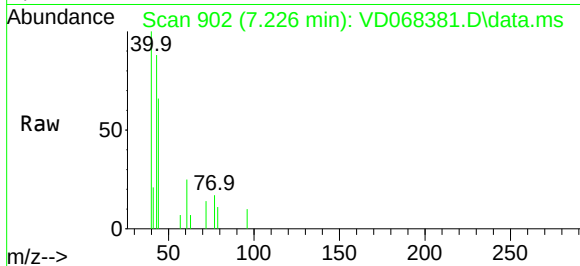




#25  
2-Butanone  
Concen: 4.80 ug/l  
RT: 7.226 min Scan# 902  
Delta R.T. 0.006 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

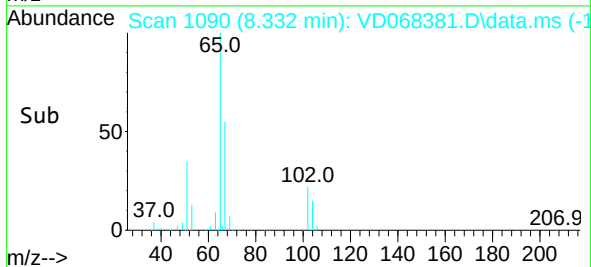
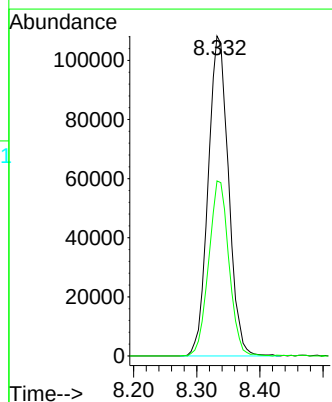
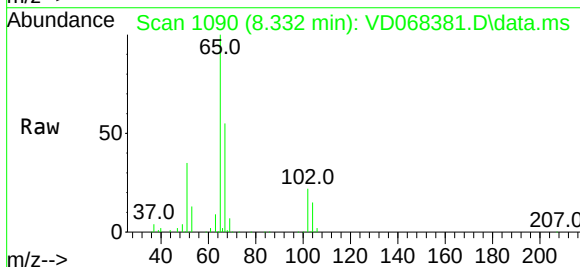
Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-03-021621

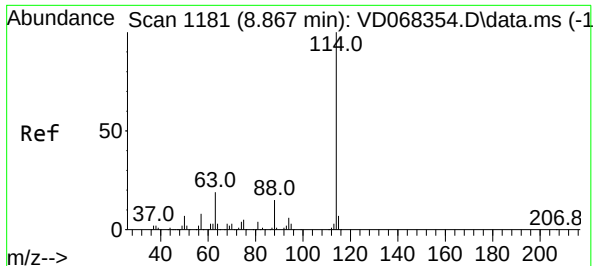
Tgt Ion: 43 Resp: 4249  
Ion Ratio Lower Upper  
43 100  
72 15.3 25.1 37.7#



#33  
1,2-Dichloroethane-d4  
Concen: 58.97 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

Tgt Ion: 65 Resp: 242087  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 105.0



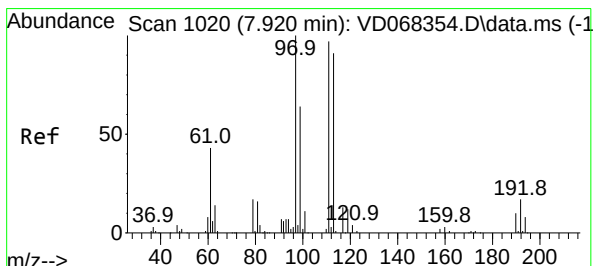
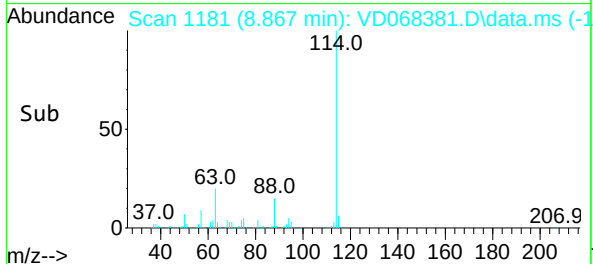
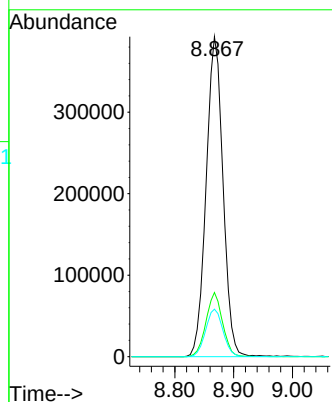
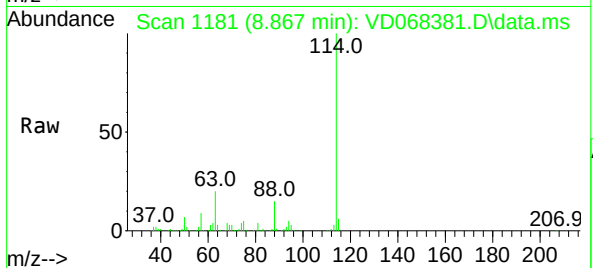


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-03-021621

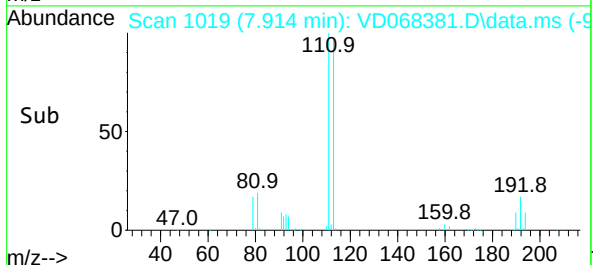
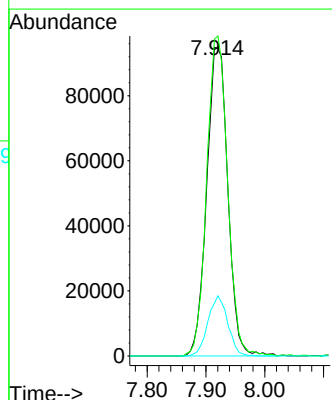
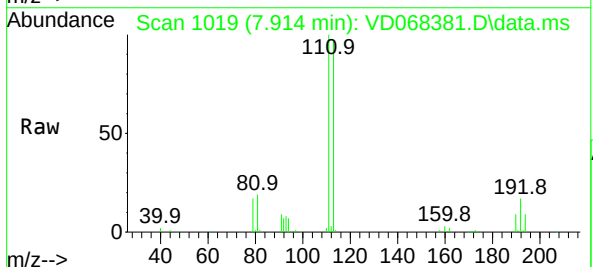
Tgt Ion:114 Resp: 780472  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 34.8  
88 14.9 0.0 31.6

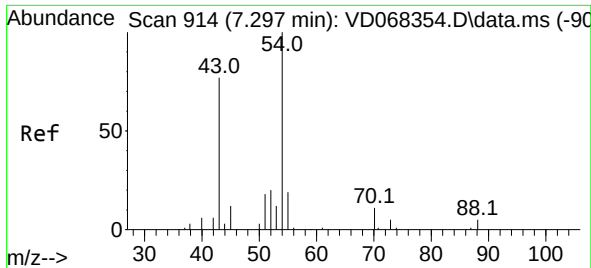


#35

Dibromofluoromethane  
Concen: 51.17 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

Tgt Ion:113 Resp: 237046  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.4 122.0  
192 18.2 16.1 24.1





#37

Ethyl Acetate

Concen: 1.82 ug/l

RT: 7.226 min Scan# 902

Delta R.T. -0.071 min

Lab File: VD068381.D

Acq: 17 Feb 2021 14:25

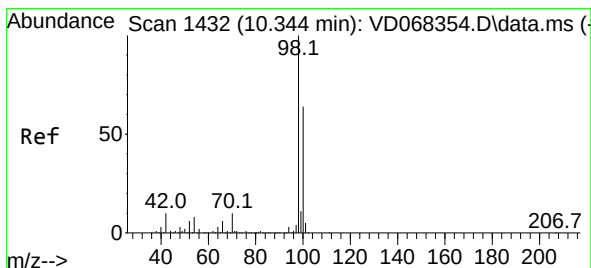
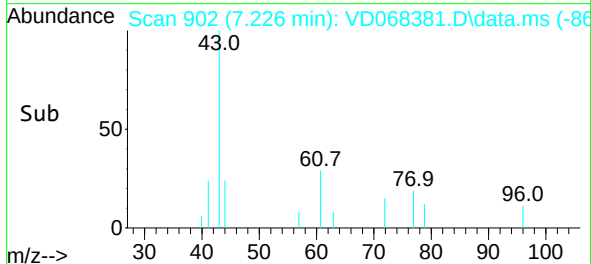
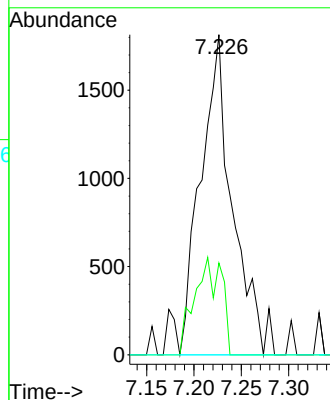
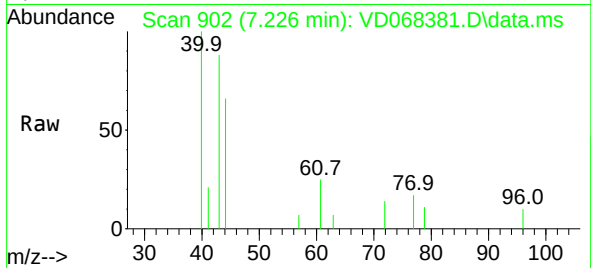
Instrument :

MSVOA\_D

ClientSampleId :

BU-03-021621

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 4249  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 25.7     | 12.9 19.3#  |
| 70 0.0      | 11.0 16.6#  |



#50

Toluene-d8

Concen: 50.66 ug/l

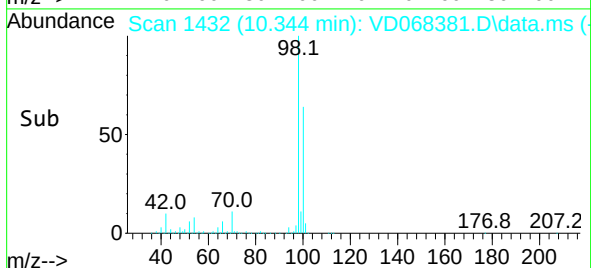
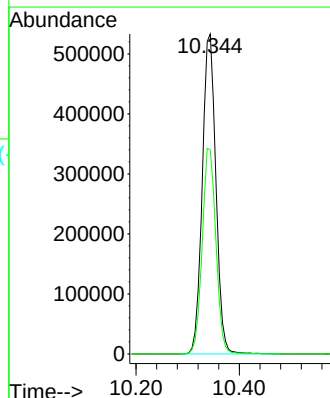
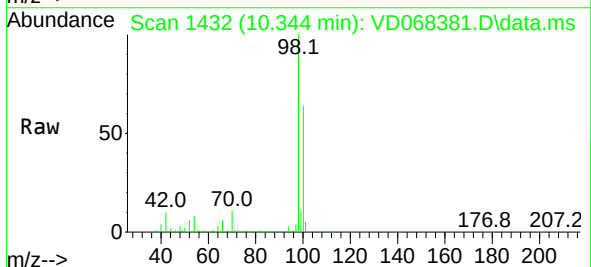
RT: 10.344 min Scan# 1432

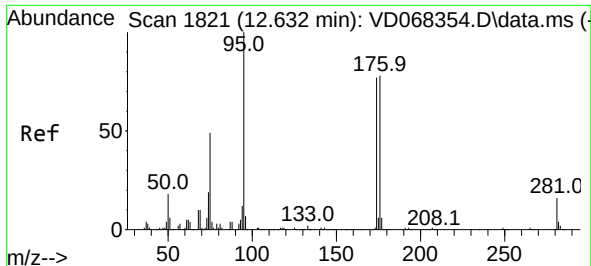
Delta R.T. 0.000 min

Lab File: VD068381.D

Acq: 17 Feb 2021 14:25

|             |              |
|-------------|--------------|
| Tgt Ion: 98 | Resp: 972770 |
| Ion Ratio   | Lower Upper  |
| 98 100      |              |
| 100 64.6    | 53.0 79.4    |

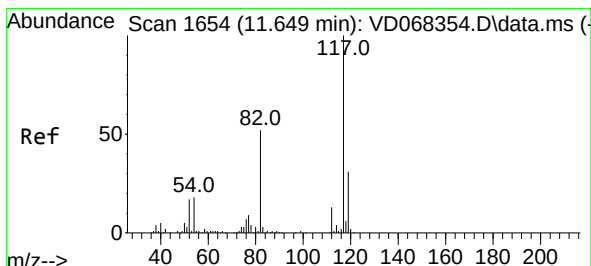
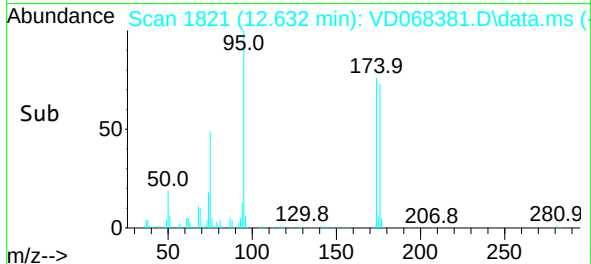
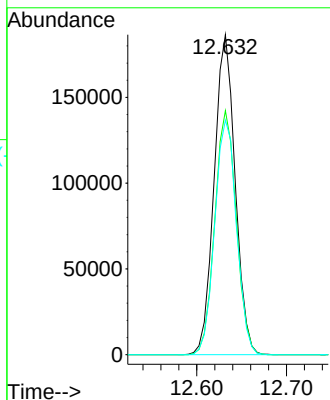
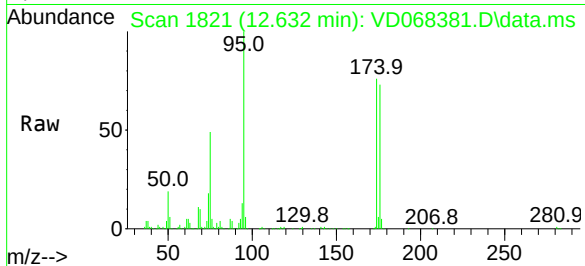




#62  
4-Bromofluorobenzene  
Concen: 48.42 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

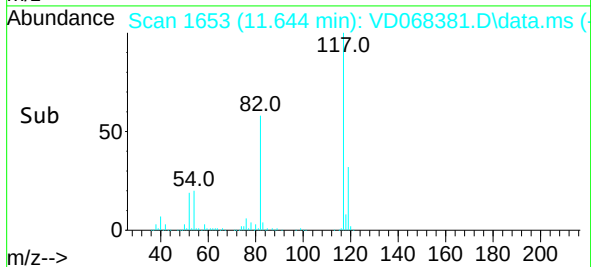
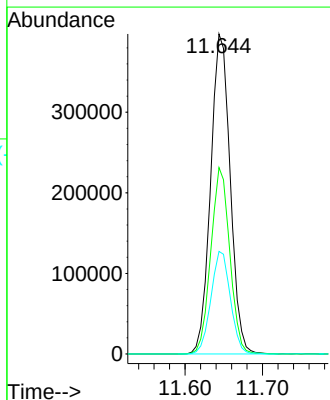
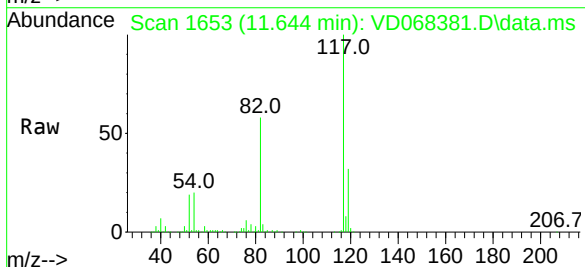
Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-03-021621

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 302865 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 78.0  | 0.0   | 172.4  |
| 176      | 75.9  | 0.0   | 168.4  |

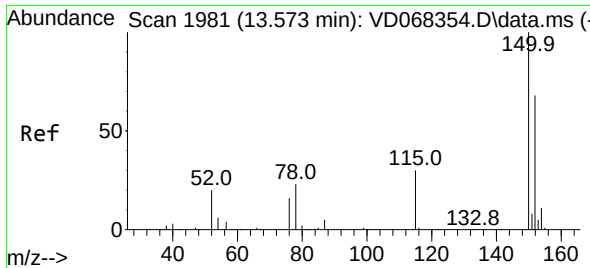


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. -0.006 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 695859 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 58.2  | 41.4  | 62.0   |
| 119      | 32.0  | 26.1  | 39.1   |



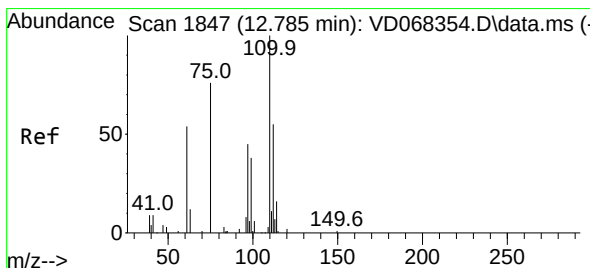
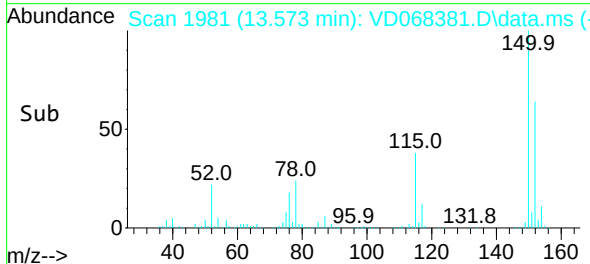
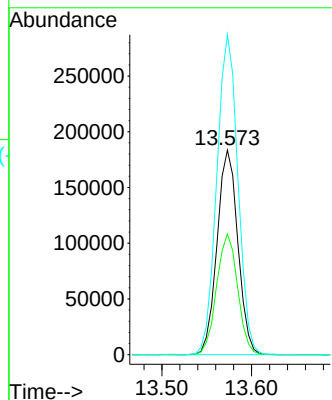
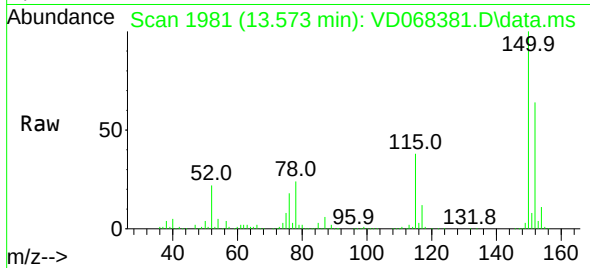




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

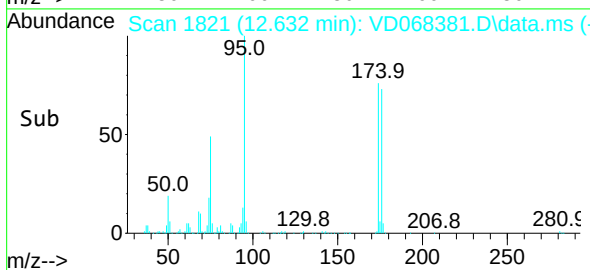
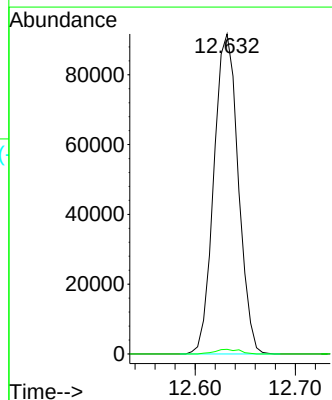
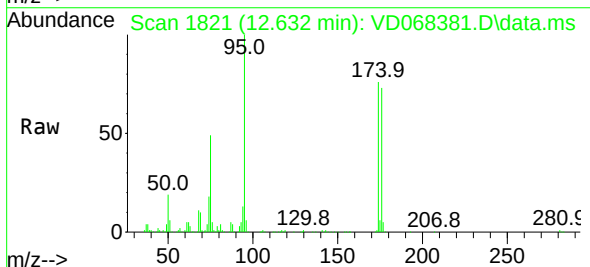
Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-03-021621

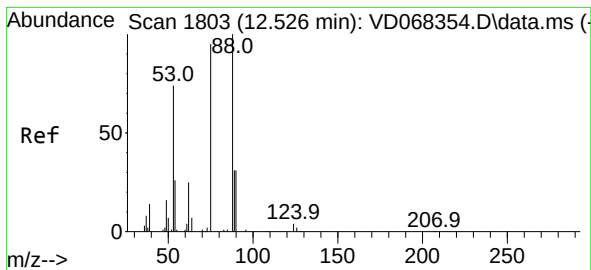
Tgt Ion:152 Resp: 295431  
Ion Ratio Lower Upper  
152 100  
115 59.7 28.9 86.8  
150 158.7 0.0 344.4



#76  
1,2,3-Trichloropropane  
Concen: 55.13 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.153 min  
Lab File: VD068381.D  
Acq: 17 Feb 2021 14:25

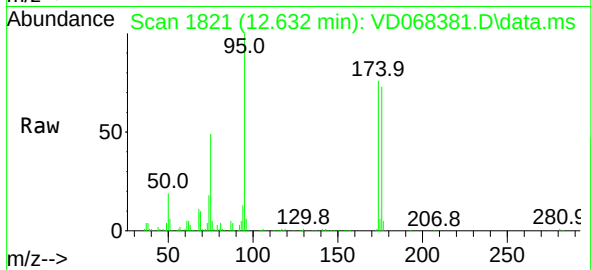
Tgt Ion: 75 Resp: 154987  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 138.19 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.106 min  
 Lab File: VD068381.D  
 Acq: 17 Feb 2021 14:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BU-03-021621



Tgt Ion: 75 Resp: 154987  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 70.2 105.2#  
 89 0.1 40.3 60.5#

