

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041921\  
 Data File : VD068905.D  
 Acq On : 19 Apr 2021 17:59  
 Operator : VA/SY  
 Sample : M2077-08  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-21-14.5-15.0

Quant Time: Apr 20 00:54:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 08 03:50:31 2021  
 Response via : Initial Calibration

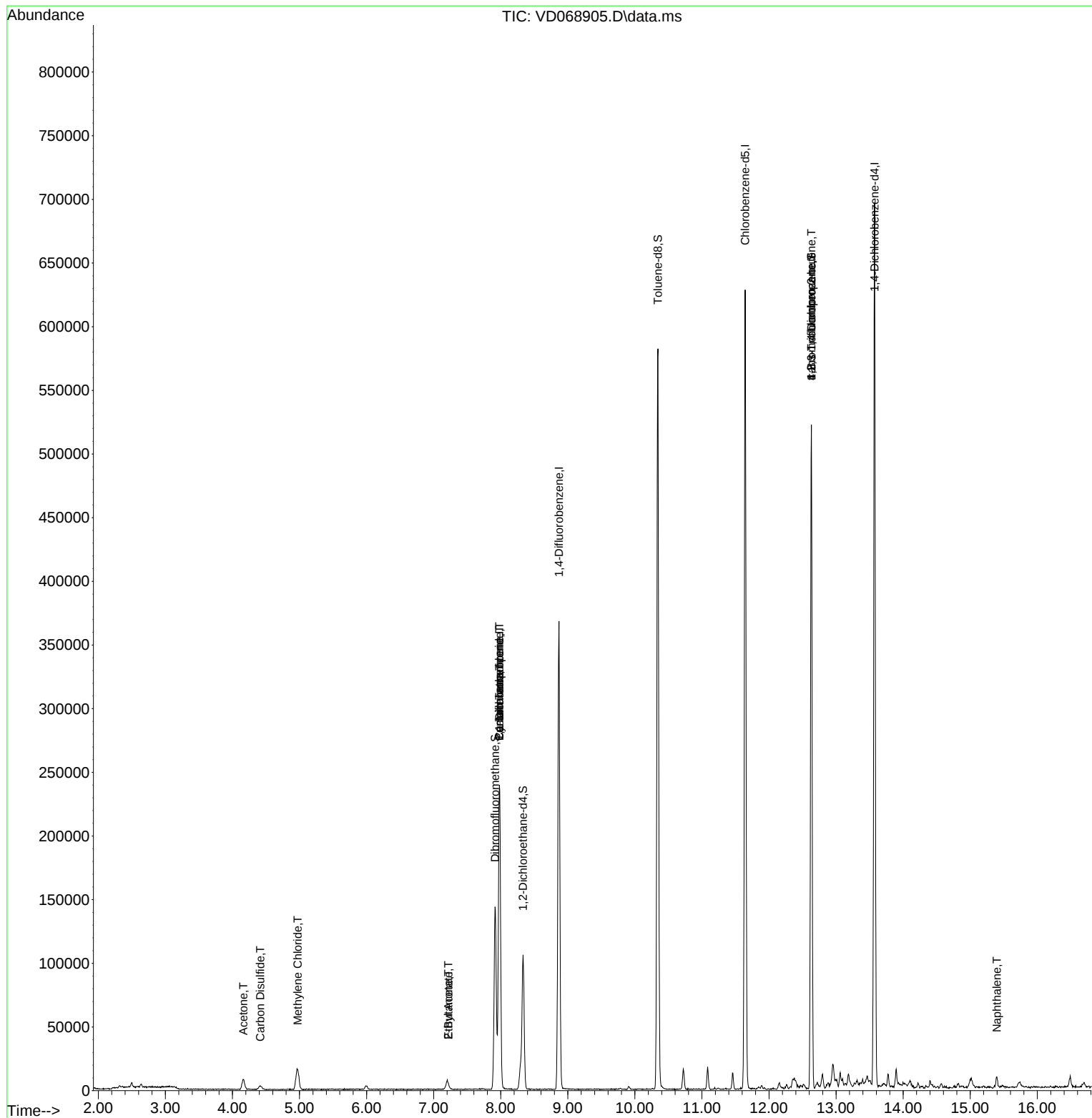
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 190567     | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 332216     | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.644         | 117  | 376191     | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 187498     | 50.00     | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 81030      | 40.23     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 80.46%    |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 103790     | 48.03     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 96.06%    |        |          |
| 50) Toluene-d8                | 10.344         | 98   | 425690     | 52.22     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 104.44%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.632         | 95   | 168329     | 62.18     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 124.36%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           | Qvalue |          |
| 11) Tert butyl alcohol        | 5.226          | 59   | 54         | Below Cal | #      | 73       |
| 16) Acetone                   | 4.162          | 43   | 14322      | 51.35     | ug/l   | 98       |
| 17) Carbon Disulfide          | 4.415          | 76   | 6320       | 1.02      | ug/l   | 96       |
| 20) Methylene Chloride        | 4.973          | 84   | 14427      | 1.74      | ug/l   | 95       |
| 25) 2-Butanone                | 7.220          | 43   | 4831       | 12.24     | ug/l   | 100      |
| 31) Cyclohexane               | 7.979          | 56   | 3822       | 1.14      | ug/l # | 59       |
| 36) 1,1-Dichloropropene       | 7.979          | 75   | 14360      | 4.27      | ug/l # | 50       |
| 37) Ethyl Acetate             | 7.220          | 43   | 4831       | 4.89      | ug/l # | 64       |
| 38) Carbon Tetrachloride      | 7.979          | 117  | 18266      | 5.49      | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.632         | 75   | 83908      | 48.99     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632         | 75   | 83908      | 113.68    | ug/l # | 16       |
| 95) Naphthalene               | 15.396         | 128  | 8744       | 1.44      | ug/l   | 99       |
| -----                         |                |      |            |           |        |          |

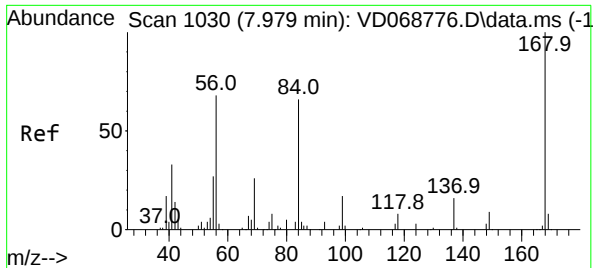
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041921\  
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Operator : VA/SY  
Sample : M2077-08  
Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-21-14.5-15.0

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 08 03:50:31 2021  
Response via : Initial Calibration

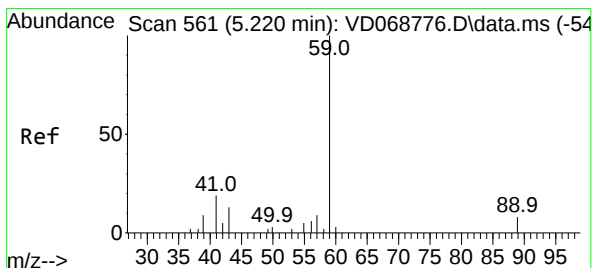
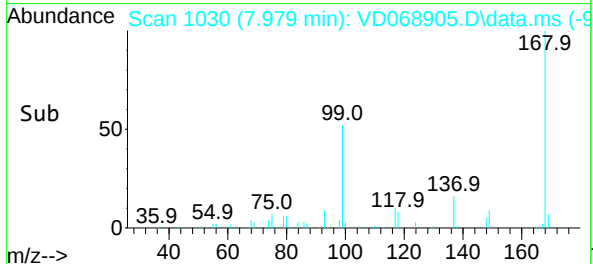
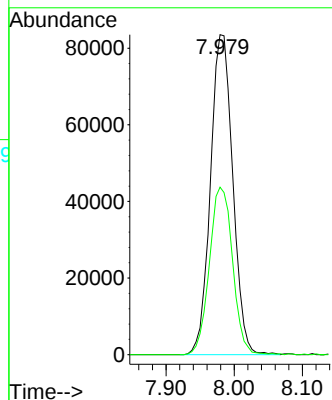
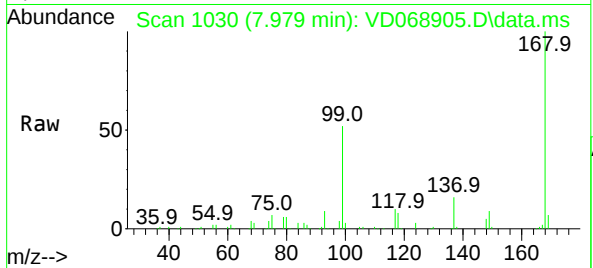




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

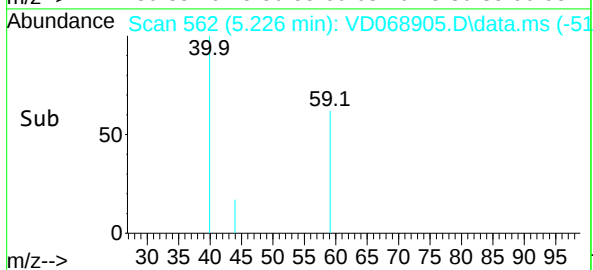
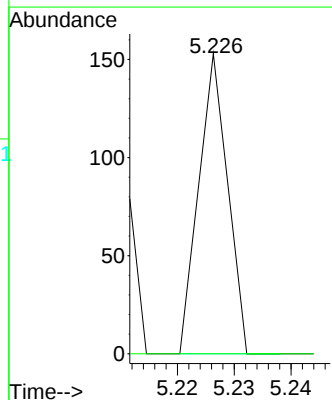
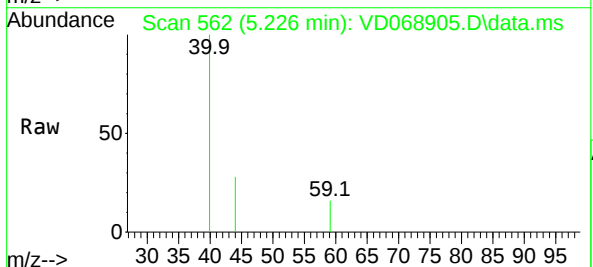
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-21-14.5-15.0

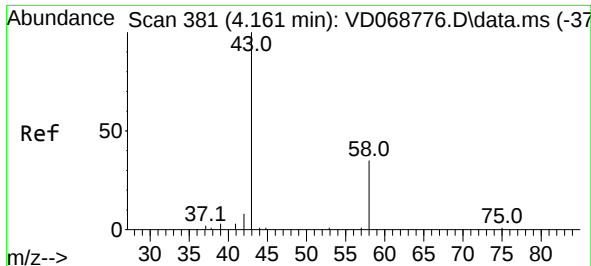
Tgt Ion:168 Resp: 190567  
Ion Ratio Lower Upper  
168 100  
99 52.4 46.2 69.2



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.226 min Scan# 562  
Delta R.T. 0.006 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

Tgt Ion: 59 Resp: 54  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

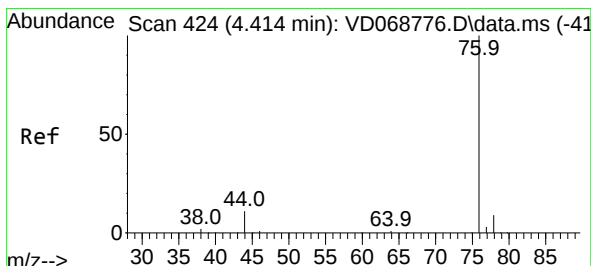
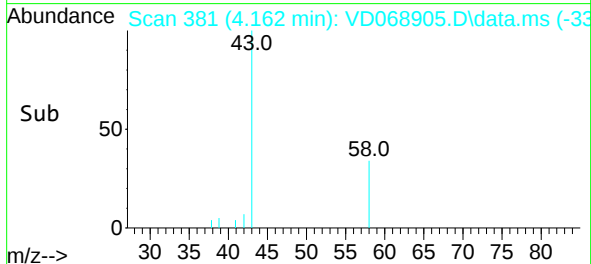
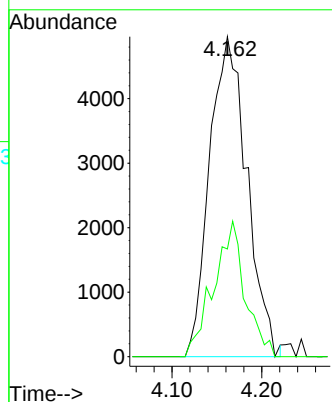
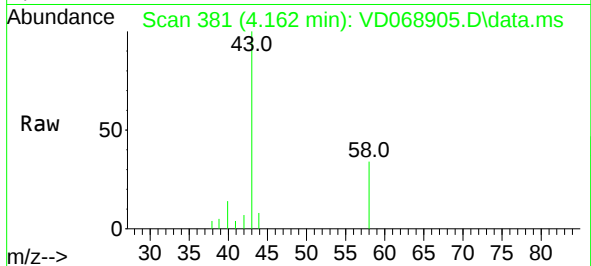




#16  
Acetone  
Concen: 51.35 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.001 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

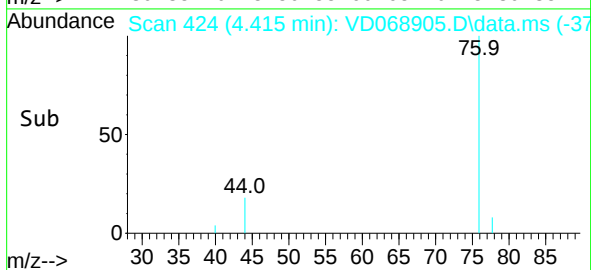
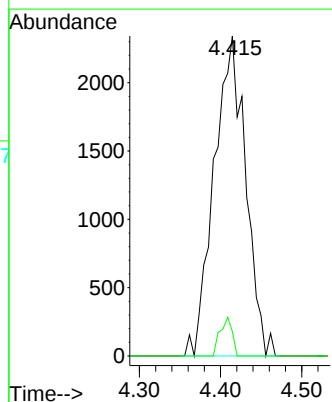
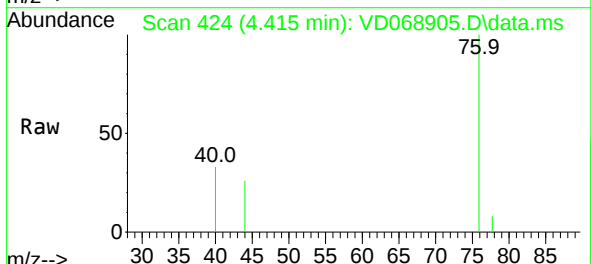
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-21-14.5-15.0

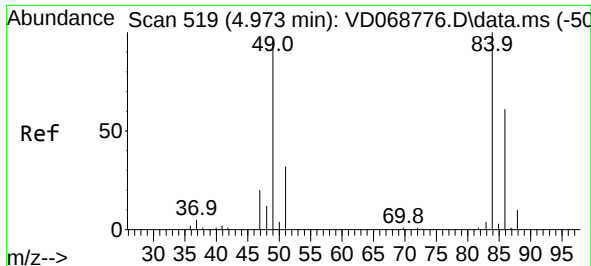
Tgt Ion: 43 Resp: 14322  
Ion Ratio Lower Upper  
43 100  
58 33.6 28.0 42.0



#17  
Carbon Disulfide  
Concen: 1.02 ug/l  
RT: 4.415 min Scan# 424  
Delta R.T. 0.001 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

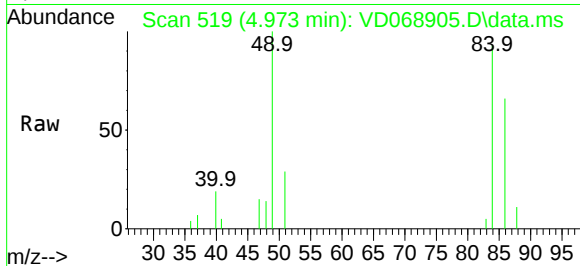
Tgt Ion: 76 Resp: 6320  
Ion Ratio Lower Upper  
76 100  
78 7.6 7.3 10.9



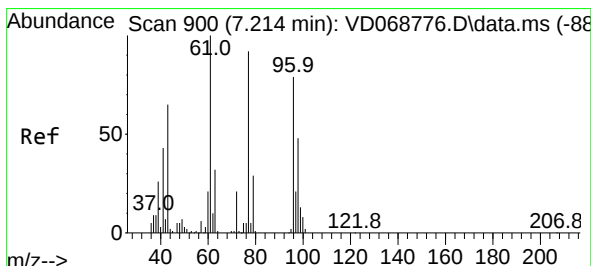
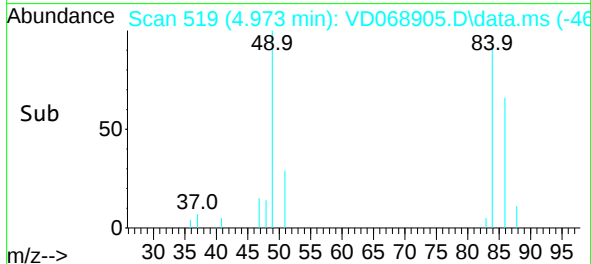
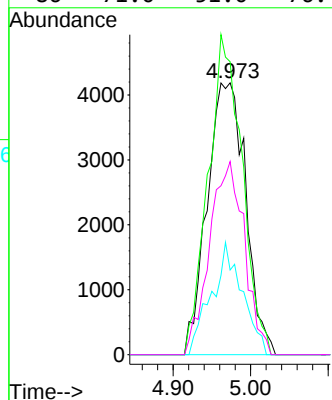


#20  
Methylene Chloride  
Concen: 1.74 ug/l  
RT: 4.973 min Scan# 519  
Delta R.T. 0.000 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-21-14.5-15.0

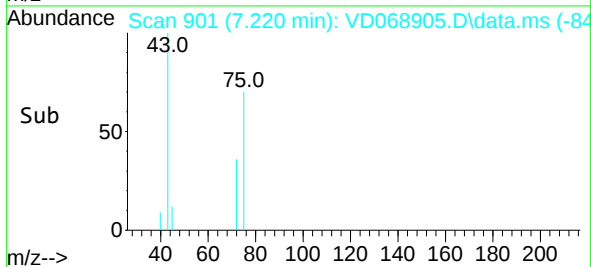
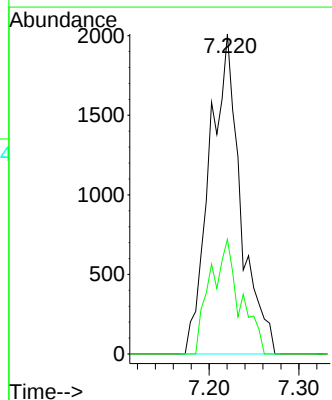
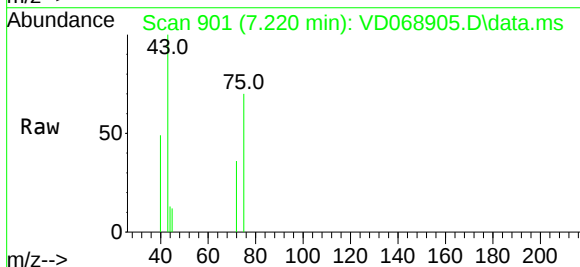


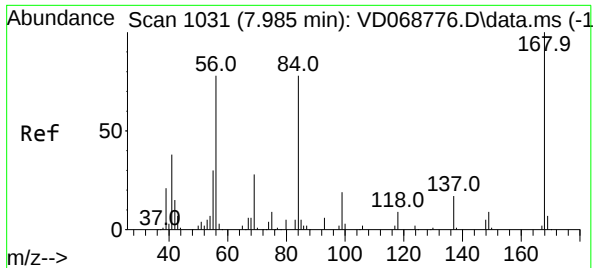
| Tgt Ion: | 84    | Resp: | 14427 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.7 | 83.4  | 125.0 |
| 51       | 31.1  | 23.4  | 35.2  |
| 86       | 71.0  | 51.0  | 76.4  |



#25  
2-Butanone  
Concen: 12.24 ug/l  
RT: 7.220 min Scan# 901  
Delta R.T. 0.006 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

| Tgt Ion: | 43    | Resp: | 4831  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 35.9  | 28.6  | 43.0  |

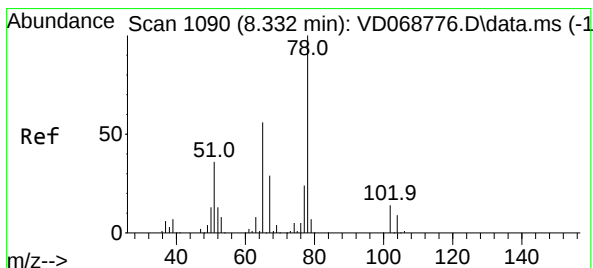
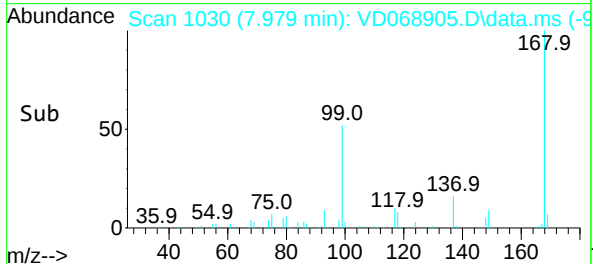
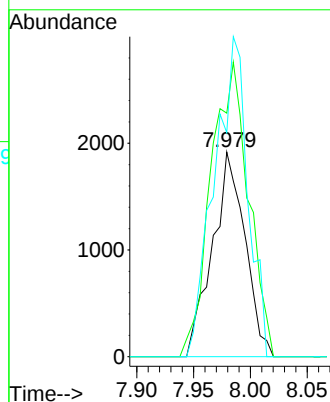
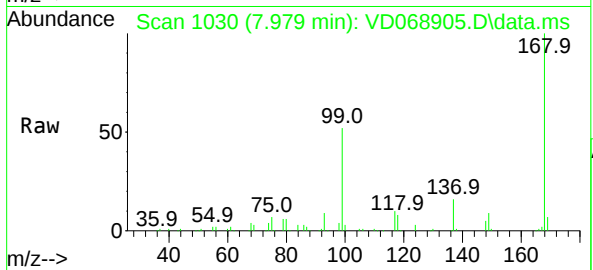




#31  
Cyclohexane  
Concen: 1.14 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

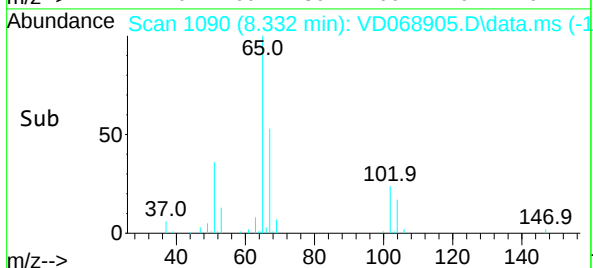
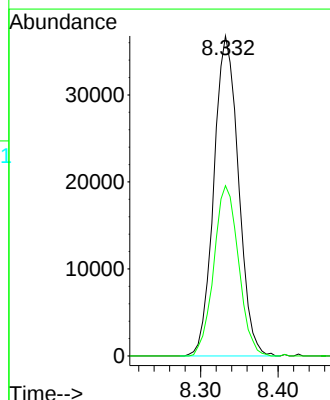
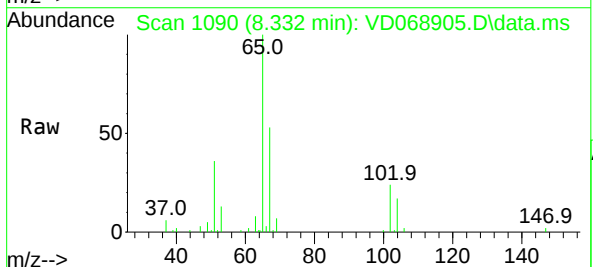
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ClientSampleId :  
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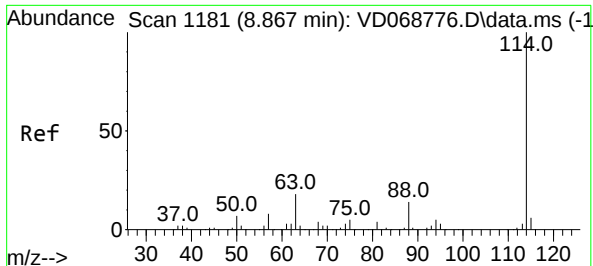
Tgt Ion: 56 Resp: 3822  
Ion Ratio Lower Upper  
56 100  
69 119.0 30.0 45.0#  
84 109.4 82.0 123.0



#33  
1,2-Dichloroethane-d4  
Concen: 40.23 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

Tgt Ion: 65 Resp: 81030  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 106.0

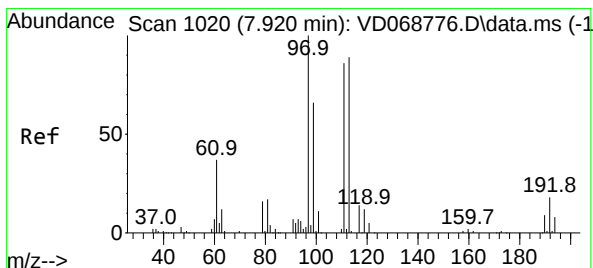
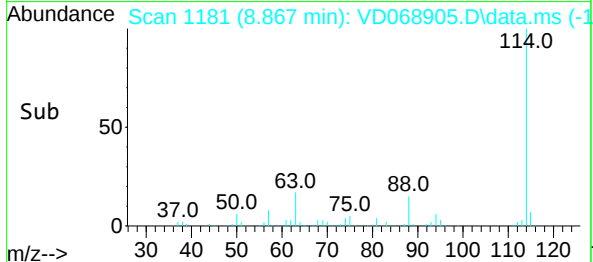
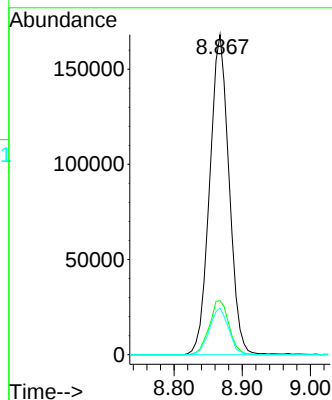
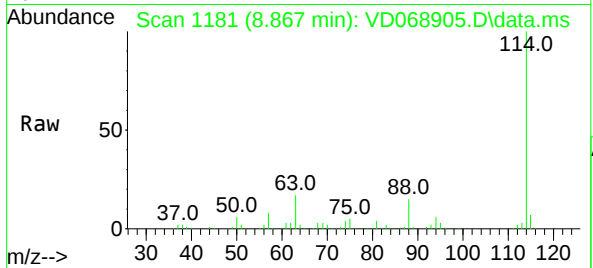




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

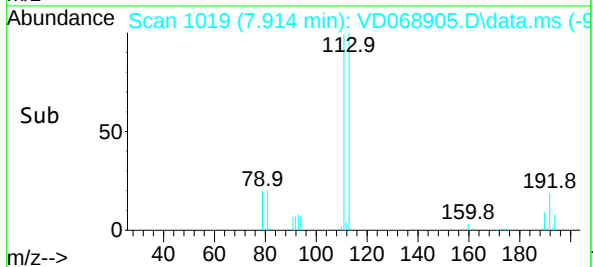
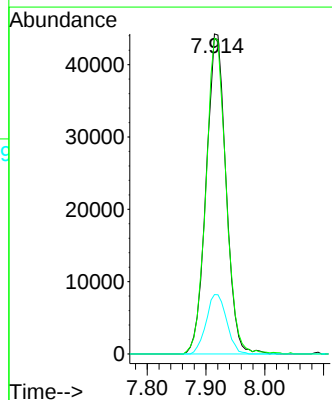
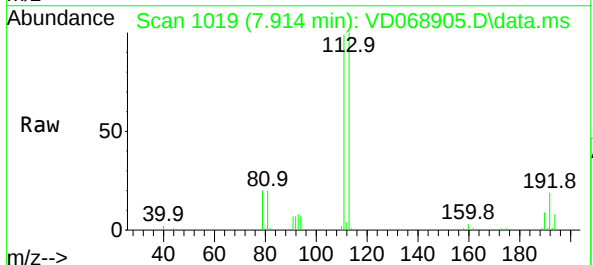
Instrument :  
MSVOA\_D  
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SB-21-14.5-15.0

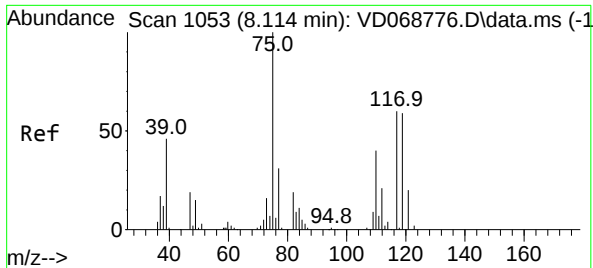
Tgt Ion:114 Resp: 332216  
Ion Ratio Lower Upper  
114 100  
63 16.9 0.0 38.2  
88 14.6 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 48.03 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

Tgt Ion:113 Resp: 103790  
Ion Ratio Lower Upper  
113 100  
111 100.2 82.5 123.7  
192 19.1 15.1 22.7

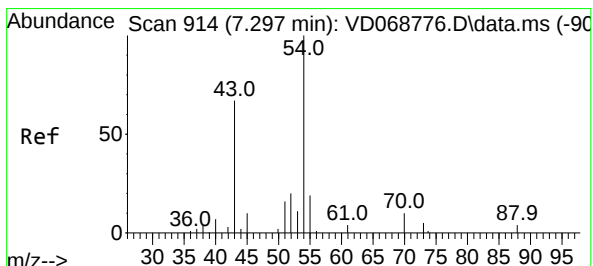
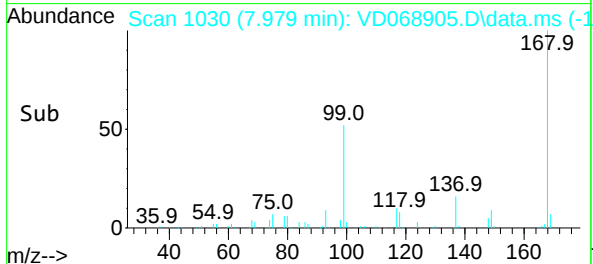
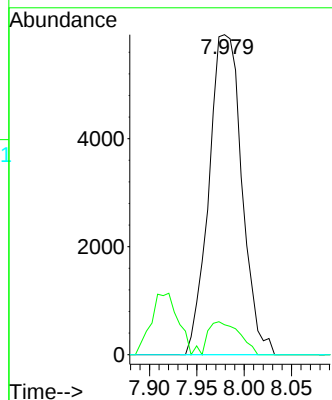
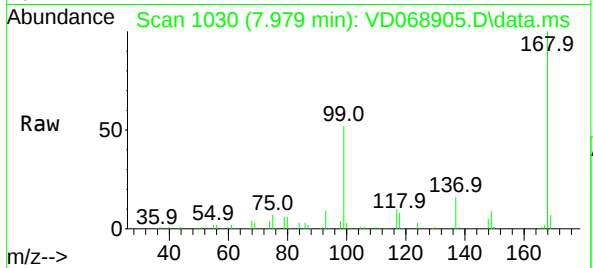




#36  
1,1-Dichloropropene  
Concen: 4.27 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.135 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

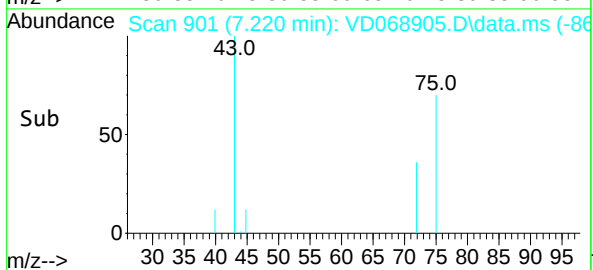
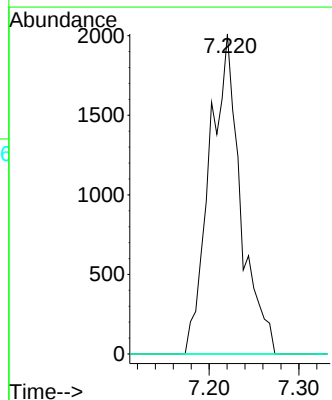
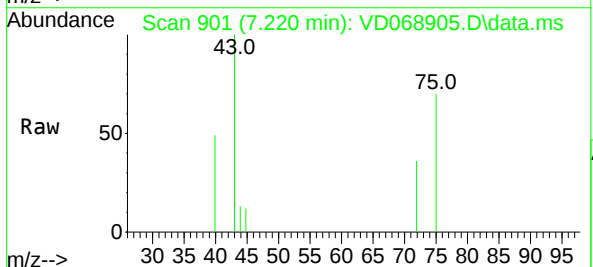
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-21-14.5-15.0

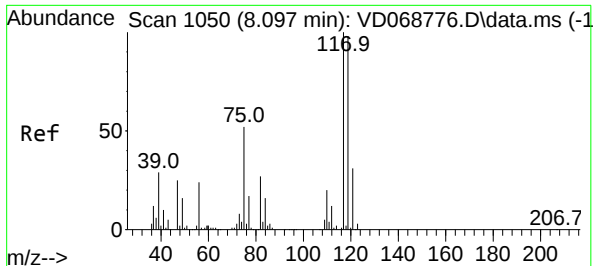
Tgt Ion: 75 Resp: 14360  
Ion Ratio Lower Upper  
75 100  
110 9.7 18.1 54.4#  
77 0.0 24.7 37.1#



#37  
Ethyl Acetate  
Concen: 4.89 ug/l  
RT: 7.220 min Scan# 901  
Delta R.T. -0.077 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

Tgt Ion: 43 Resp: 4831  
Ion Ratio Lower Upper  
43 100  
61 0.0 14.2 21.4#  
70 0.0 9.4 14.0#

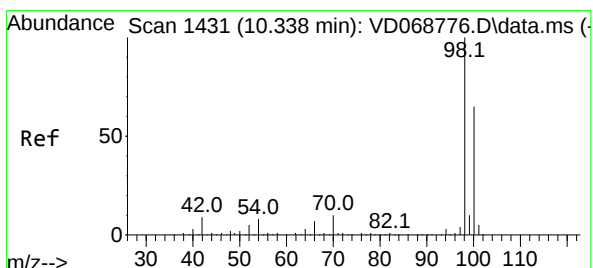
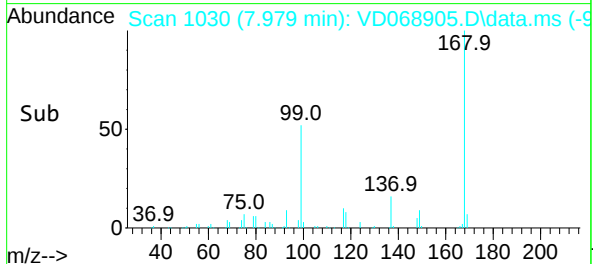
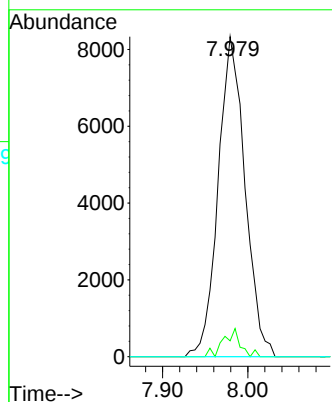
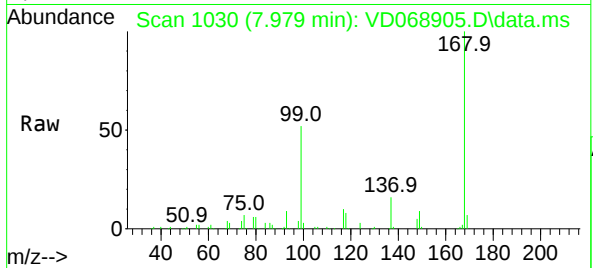




#38  
Carbon Tetrachloride  
Concen: 5.49 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.118 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

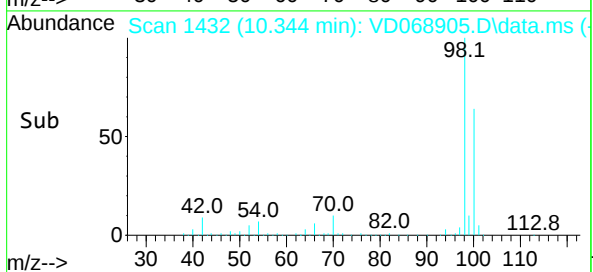
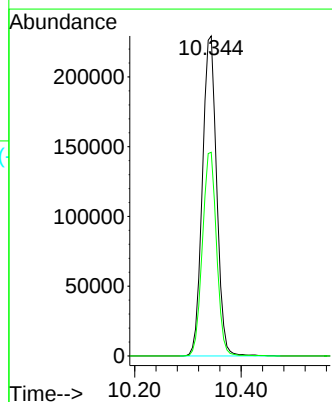
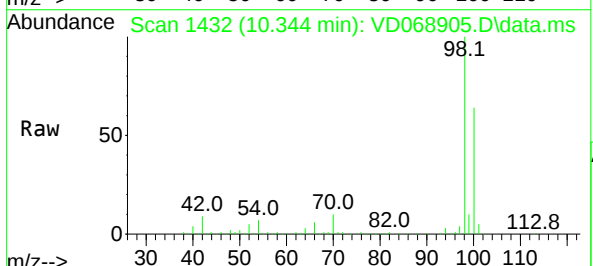
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-21-14.5-15.0

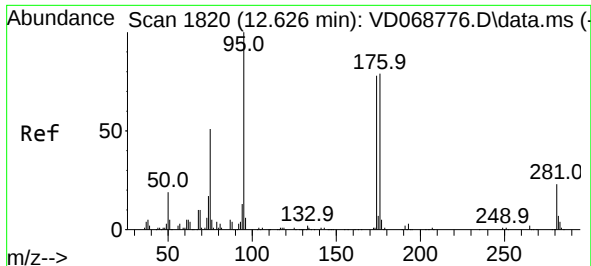
Tgt Ion:117 Resp: 18266  
Ion Ratio Lower Upper  
117 100  
119 5.0 76.6 115.0#  
121 0.0 26.1 39.1#



#50  
Toluene-d8  
Concen: 52.22 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.006 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

Tgt Ion: 98 Resp: 425690  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.8 77.6

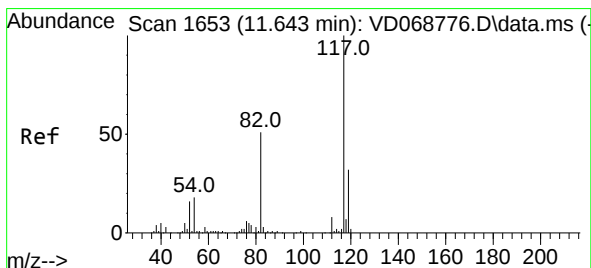
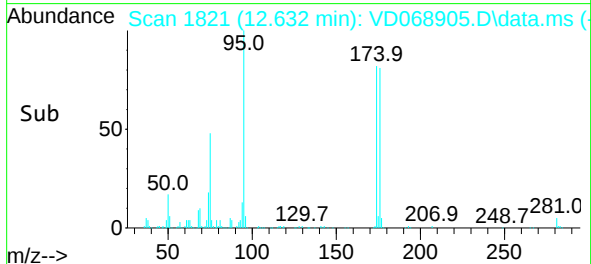
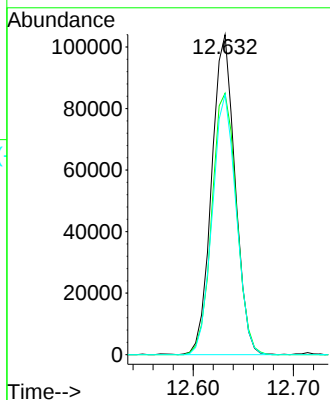
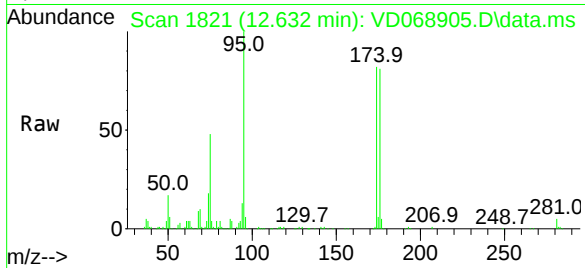




#62  
4-Bromofluorobenzene  
Concen: 62.18 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

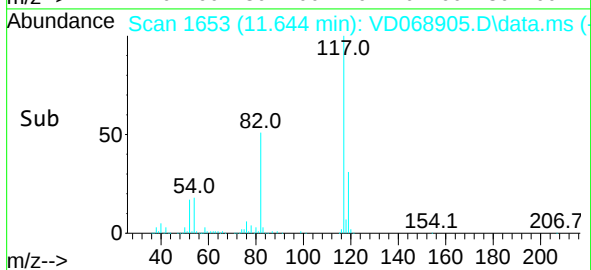
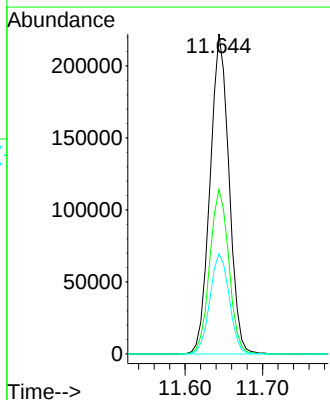
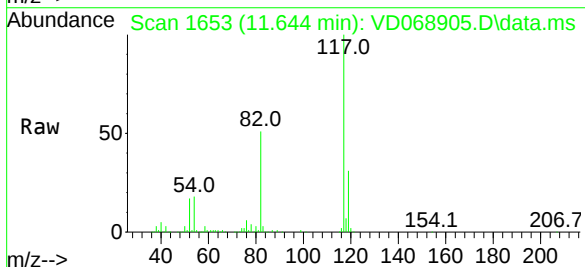
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-21-14.5-15.0

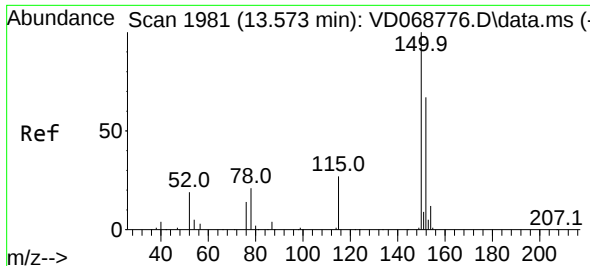
Tgt Ion: 95 Resp: 168329  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 168.0  
176 82.7 0.0 160.2



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.001 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

Tgt Ion: 117 Resp: 376191  
Ion Ratio Lower Upper  
117 100  
82 51.4 43.5 65.3  
119 31.3 26.7 40.1

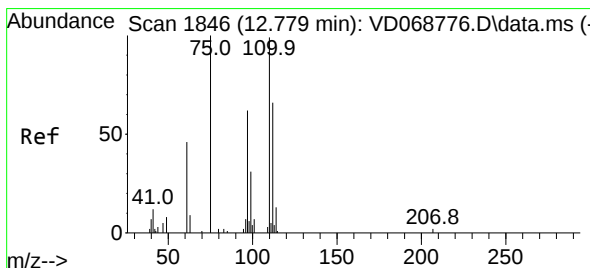
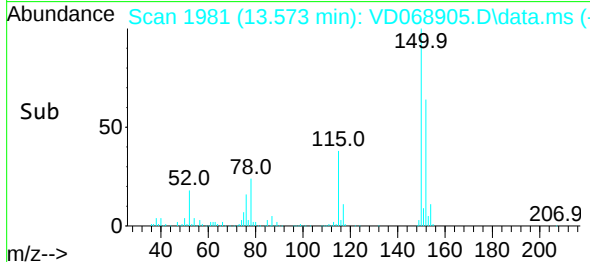
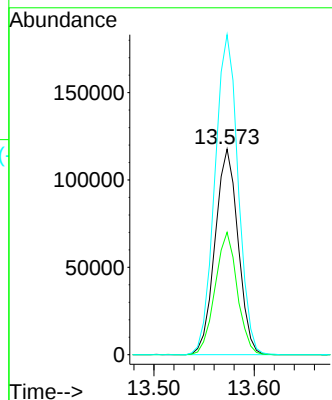
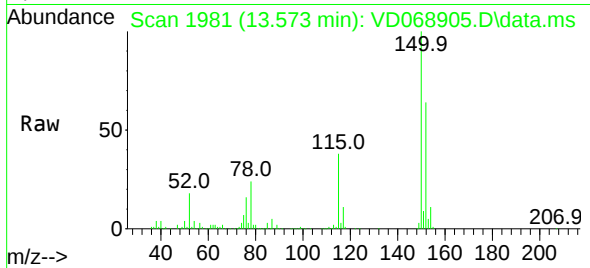




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. -0.000 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

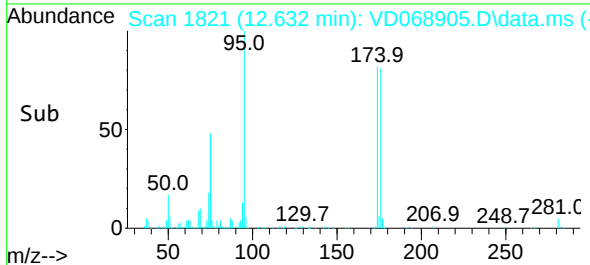
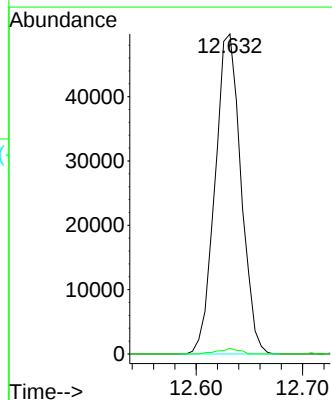
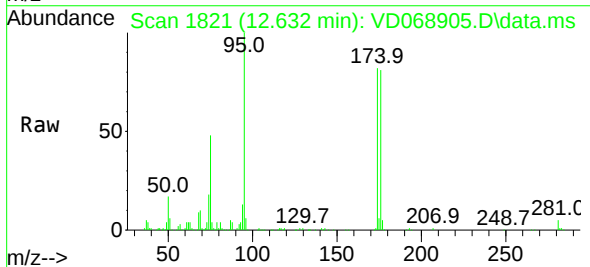
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-21-14.5-15.0

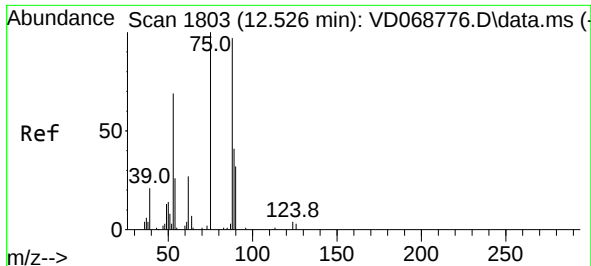
Tgt Ion:152 Resp: 187498  
Ion Ratio Lower Upper  
152 100  
115 57.4 29.3 87.8  
150 157.3 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 48.99 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.147 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

Tgt Ion: 75 Resp: 83908  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#

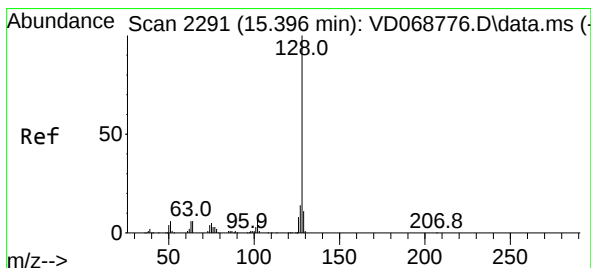
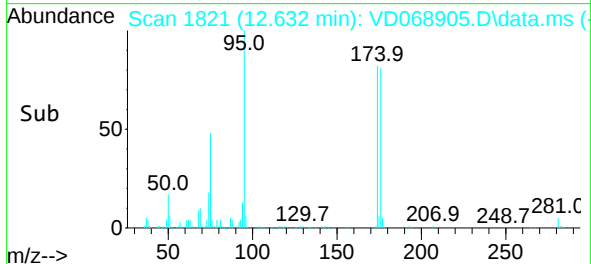
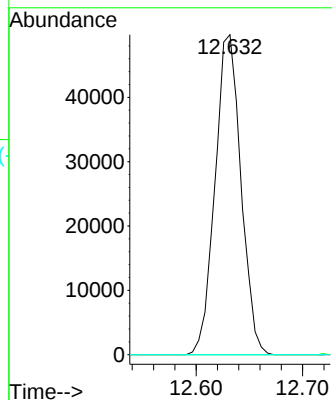
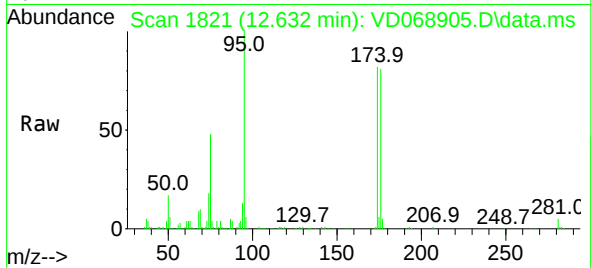




#81  
trans-1,4-Dichloro-2-butene  
Concen: 113.68 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.106 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-21-14.5-15.0

Tgt Ion: 75 Resp: 83908  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 36.6 54.8#



#95  
Naphthalene  
Concen: 1.44 ug/l  
RT: 15.396 min Scan# 2291  
Delta R.T. 0.000 min  
Lab File: VD068905.D  
Acq: 19 Apr 2021 17:59

Tgt Ion: 128 Resp: 8744  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.2 15.4  
129 11.0 8.9 13.3

