

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081821\  
 Data File : VD070144.D  
 Acq On : 19 Aug 2021 00:56  
 Operator : VA/SY  
 Sample : M3435-25  
 Misc : 3.81G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SWCS-28-0003

Quant Time: Aug 19 07:37:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 14 02:33:51 2021  
 Response via : Initial Calibration

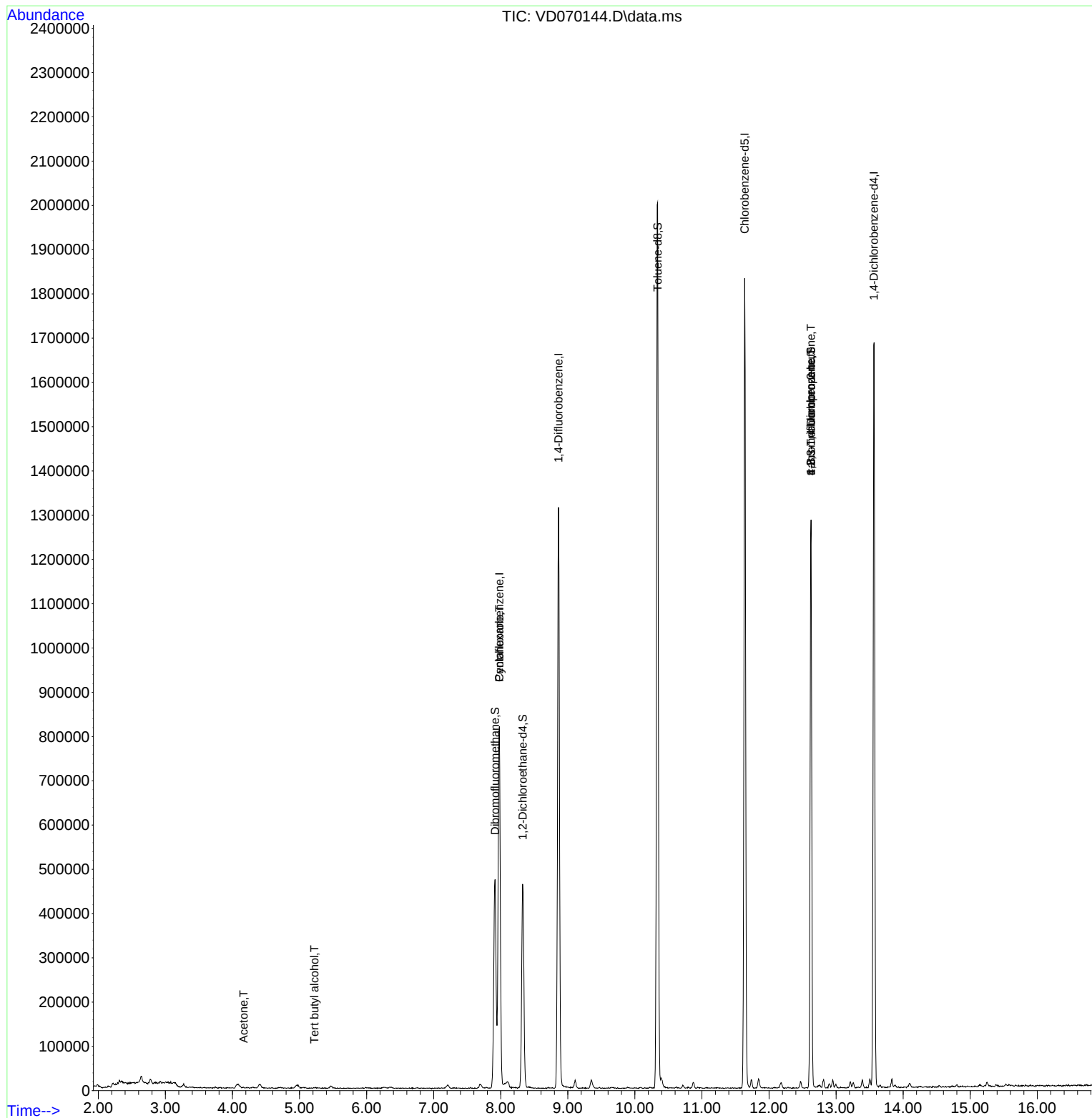
| Compound                      | R.T.   | QIon  | Response | Conc         | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|--------------|------------|----------|
| -----                         |        |       |          |              |            |          |
| Internal Standards            |        |       |          |              |            |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 575508   | 50.000       | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 1095509  | 50.000       | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 1053440  | 50.000       | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 448920   | 50.000       | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |              |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 359079   | 53.049       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery     | = 106.100% |          |
| 35) Dibromofluoromethane      | 7.914  | 113   | 353158   | 49.897       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery     | = 99.800%  |          |
| 50) Toluene-d8                | 10.338 | 98    | 1411485  | 51.274       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery     | = 102.540% |          |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 458773   | 50.597       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery     | = 101.200% |          |
| Target Compounds              |        |       |          |              |            |          |
|                               |        |       |          |              | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.991  | 85    | 4734     | Below Cal    |            | 95       |
| 3) Chloromethane              | 2.209  | 50    | 5056     | Below Cal    |            | 90       |
| 5) Bromomethane               | 2.773  | 94    | 5310     | Below Cal    |            | 95       |
| 11) Tert butyl alcohol        | 5.220  | 59    | 872      | 2.331 ug/l   | #          | 71       |
| 16) Acetone                   | 4.168  | 43    | 2659     | 2.132 ug/l   | #          | 83       |
| 20) Methylene Chloride        | 4.962  | 84    | 5990     | Below Cal    | #          | 88       |
| 31) Cyclohexane               | 7.979  | 56    | 19052    | 1.422 ug/l   | #          | 1        |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 223216   | 49.030 ug/l  | #          | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 223216   | 127.263 ug/l | #          | 18       |
| -----                         |        |       |          |              |            |          |

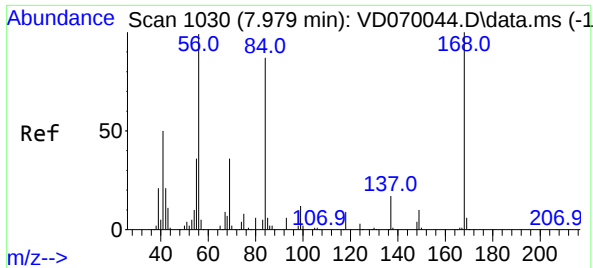
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Aug 14 02:33:51 2021  
Response via : Initial Calibration

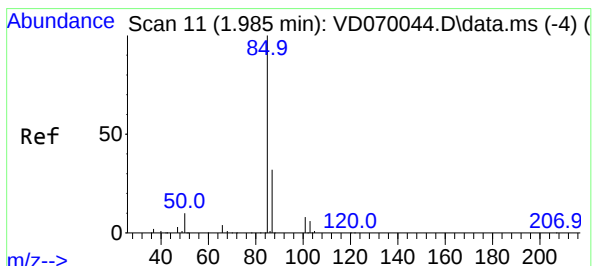
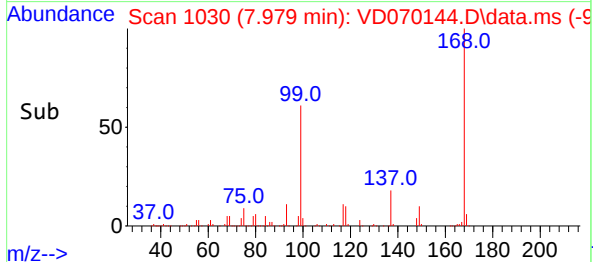
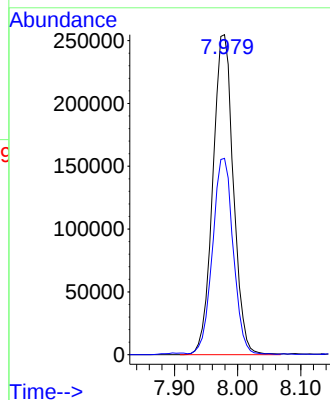
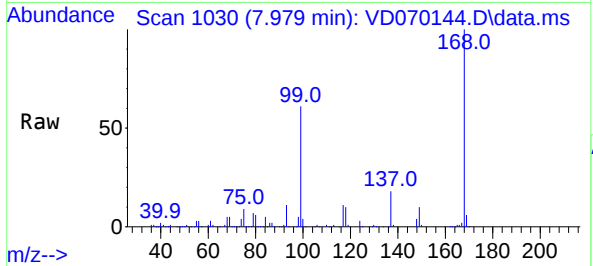




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

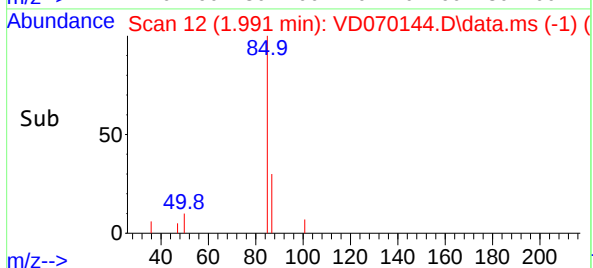
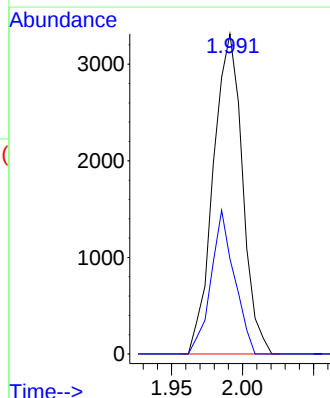
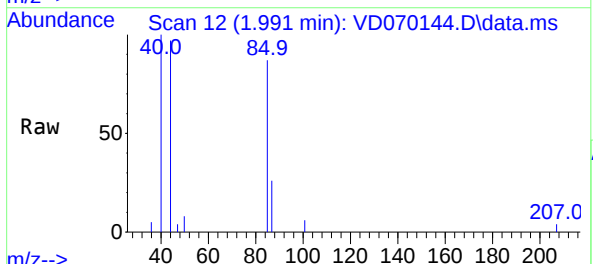
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-28-0003

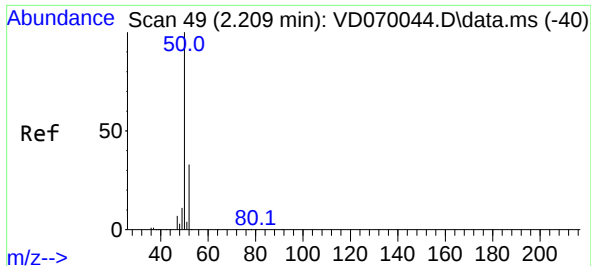
Tgt Ion:168 Resp: 575508  
Ion Ratio Lower Upper  
168 100  
99 61.2 50.3 75.5



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.991 min Scan# 12  
Delta R.T. 0.006 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

Tgt Ion: 85 Resp: 4734  
Ion Ratio Lower Upper  
85 100  
87 29.7 16.2 48.6

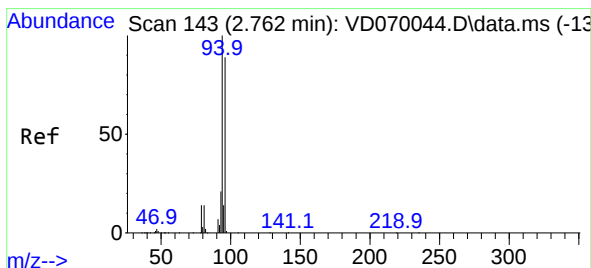
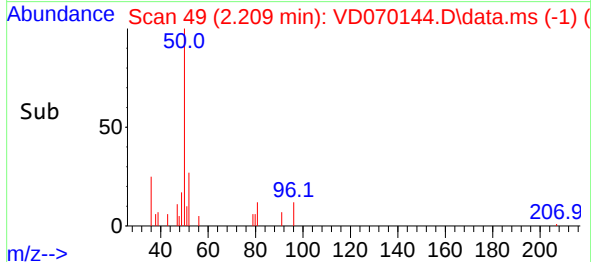
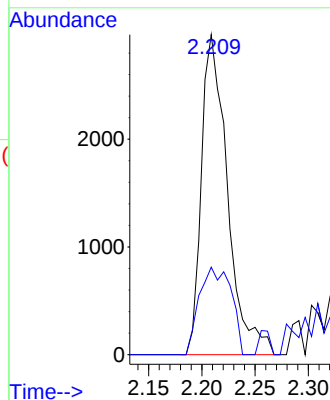
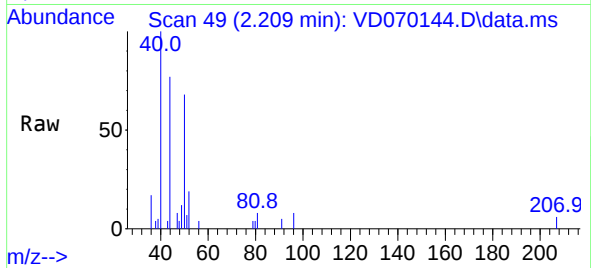




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

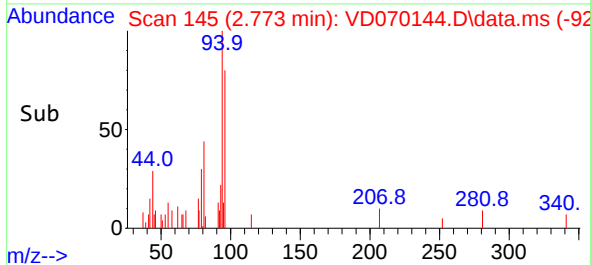
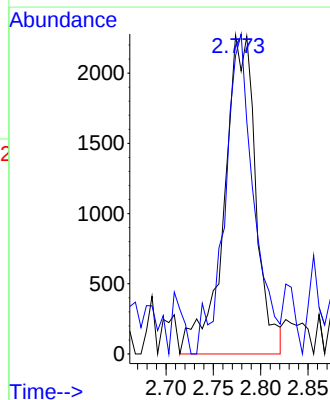
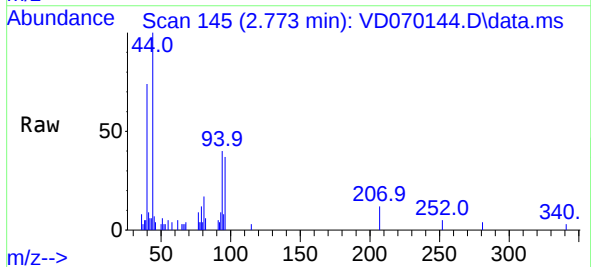
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-28-0003

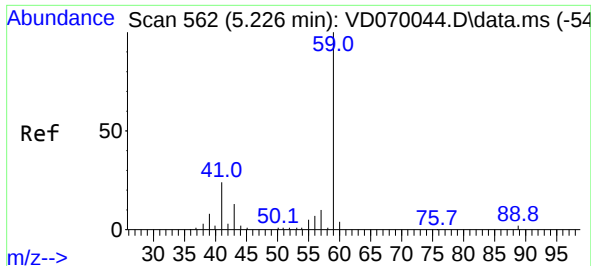
Tgt Ion: 50 Resp: 5056  
Ion Ratio Lower Upper  
50 100  
52 27.4 26.3 39.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.773 min Scan# 145  
Delta R.T. 0.011 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

Tgt Ion: 94 Resp: 5310  
Ion Ratio Lower Upper  
94 100  
96 84.2 70.9 106.3



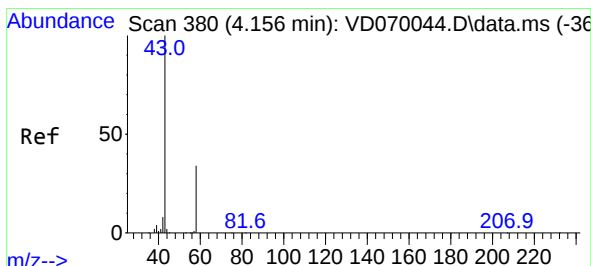
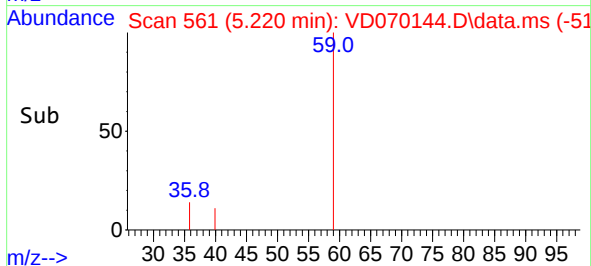
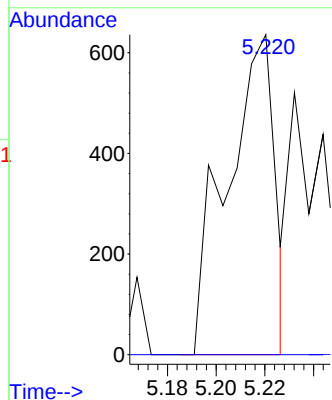
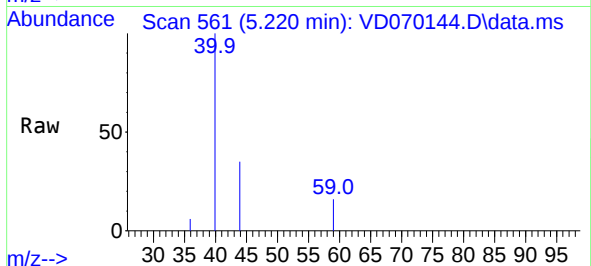


#11

Tert butyl alcohol  
Concen: 2.331 ug/l  
RT: 5.220 min Scan# 561  
Delta R.T. -0.006 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-28-0003

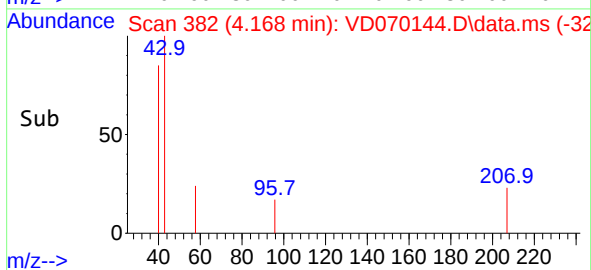
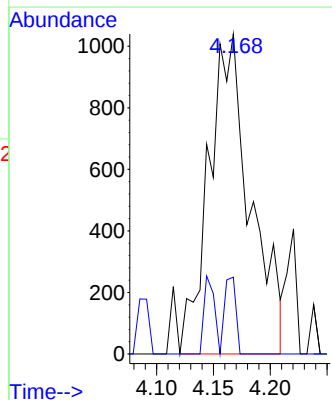
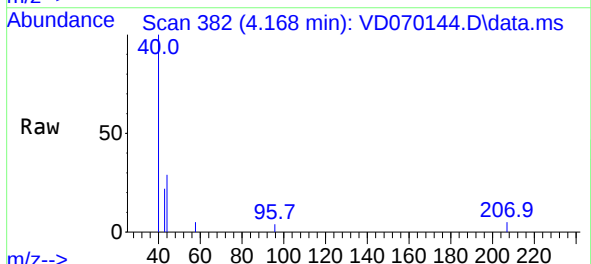
Tgt Ion: 59 Resp: 872  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.8 13.2#

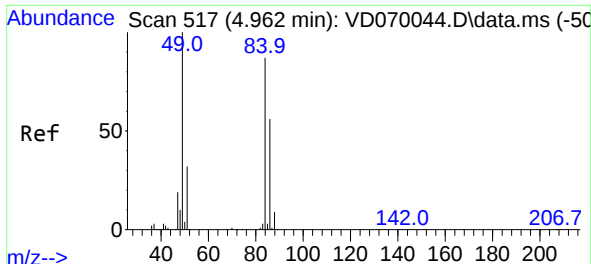


#16

Acetone  
Concen: 2.132 ug/l  
RT: 4.168 min Scan# 382  
Delta R.T. 0.012 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

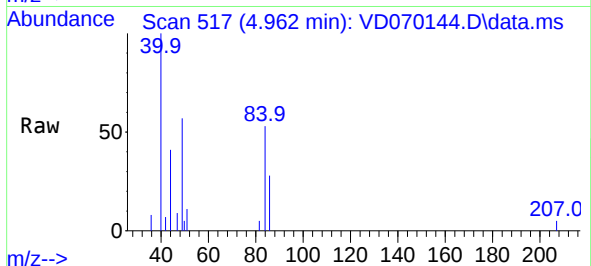
Tgt Ion: 43 Resp: 2659  
Ion Ratio Lower Upper  
43 100  
58 24.0 26.8 40.2#





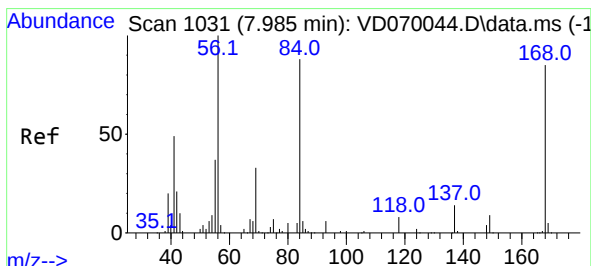
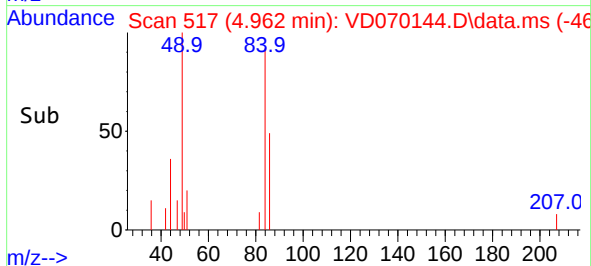
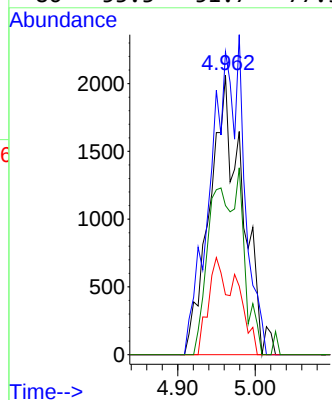
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.962 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-28-0003



Tgt Ion: 84 Resp: 5990

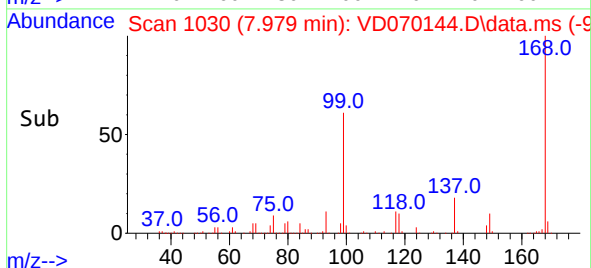
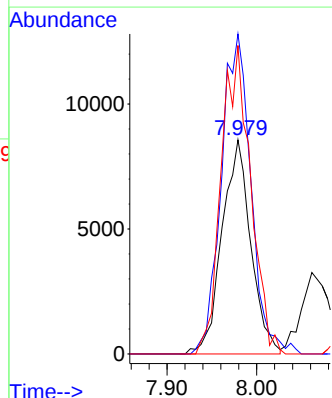
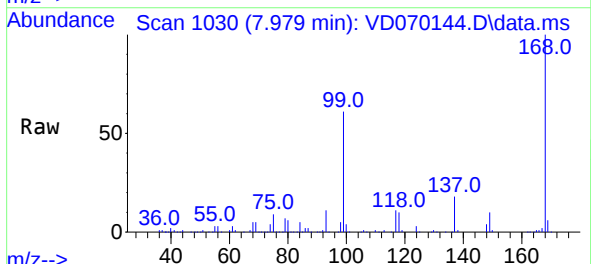
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 108.4 | 92.5  | 138.7 |
| 51  | 21.4  | 29.7  | 44.5# |
| 86  | 53.3  | 51.7  | 77.5  |

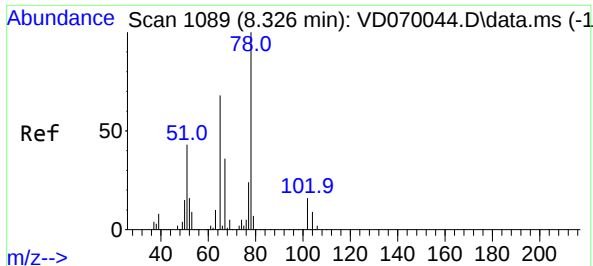


#31  
Cyclohexane  
Concen: 1.422 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

Tgt Ion: 56 Resp: 19052

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 149.5 | 26.7  | 40.1#  |
| 84  | 144.1 | 70.4  | 105.6# |

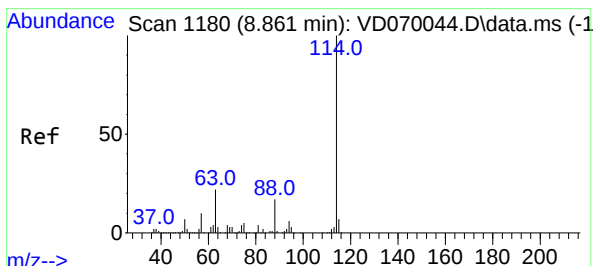
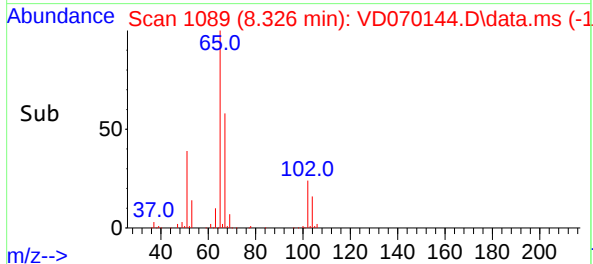
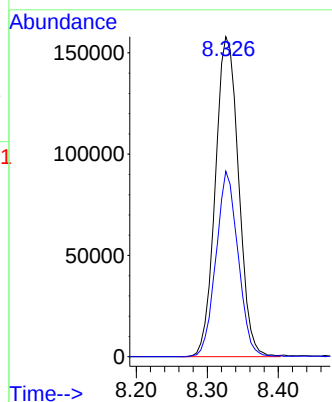
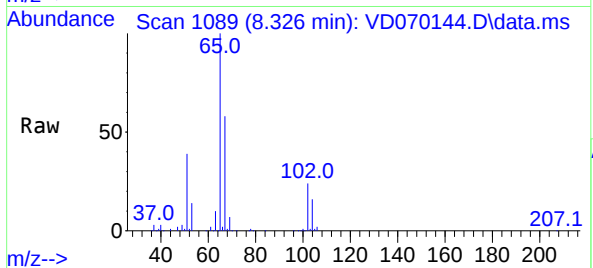




#33  
1,2-Dichloroethane-d4  
Concen: 53.049 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

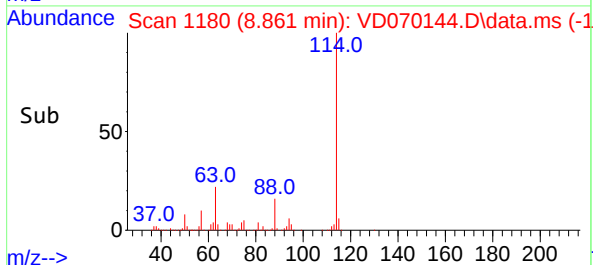
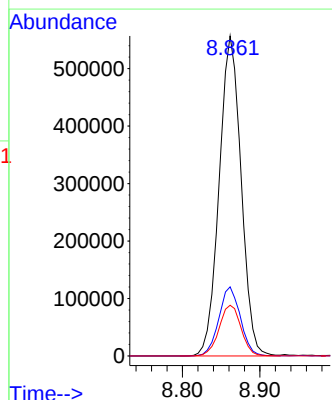
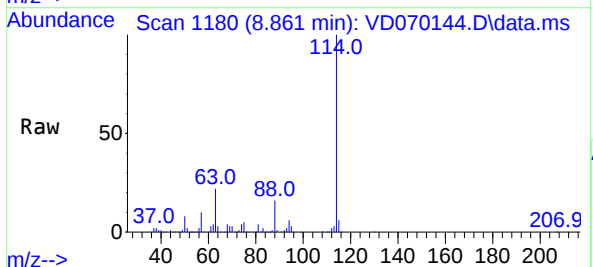
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-28-0003

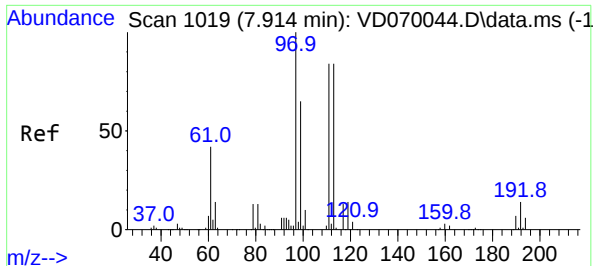
Tgt Ion: 65 Resp: 359079  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 107.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

Tgt Ion:114 Resp: 1095509  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 43.6  
88 15.9 0.0 33.4



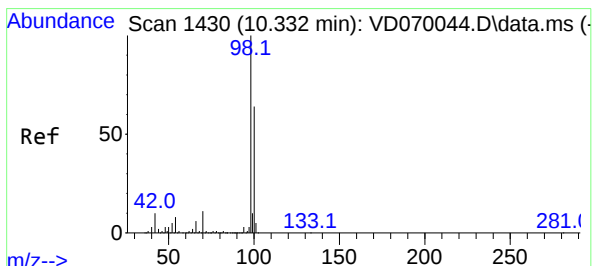
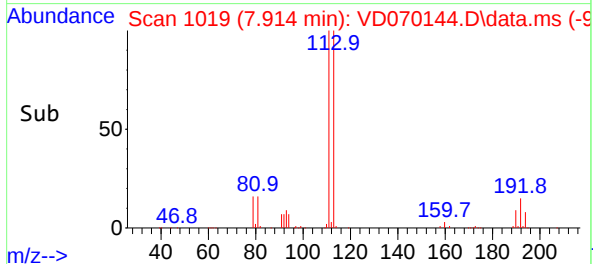
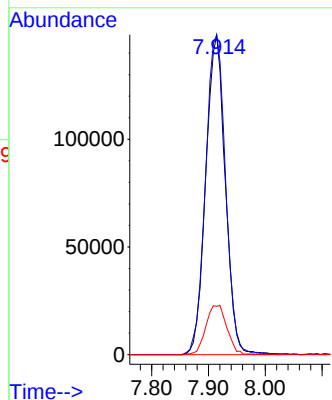
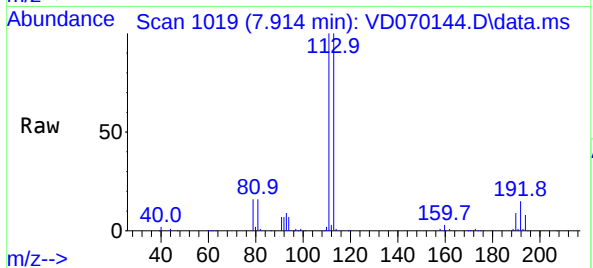


#35

Dibromofluoromethane  
Concen: 49.897 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-28-0003

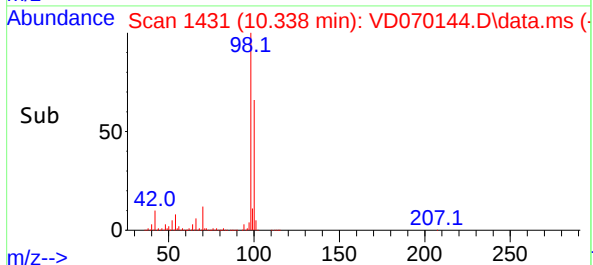
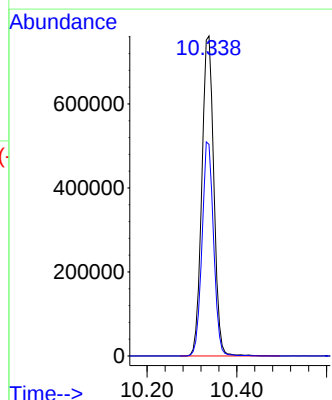
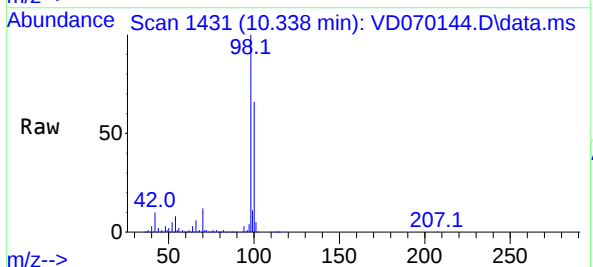
Tgt Ion:113 Resp: 353158  
Ion Ratio Lower Upper  
113 100  
111 103.0 81.8 122.6  
192 16.7 13.2 19.8

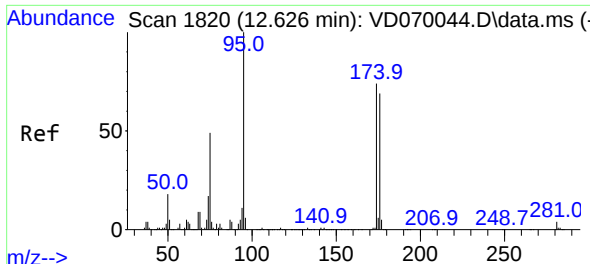


#50

Toluene-d8  
Concen: 51.274 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

Tgt Ion: 98 Resp: 1411485  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 78.8

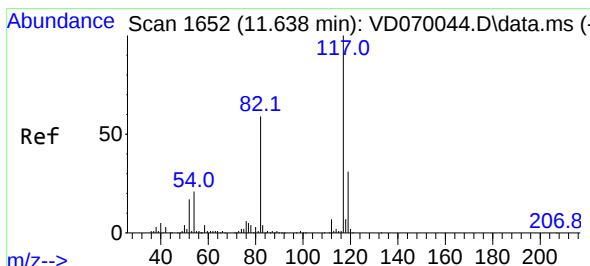
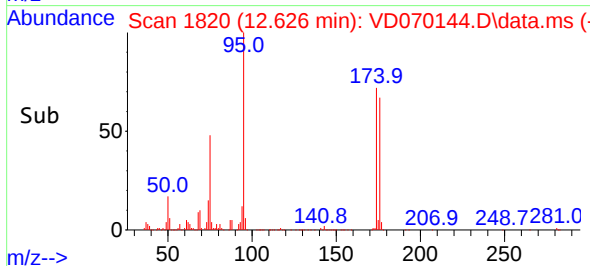
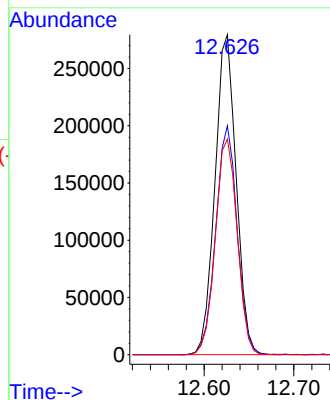
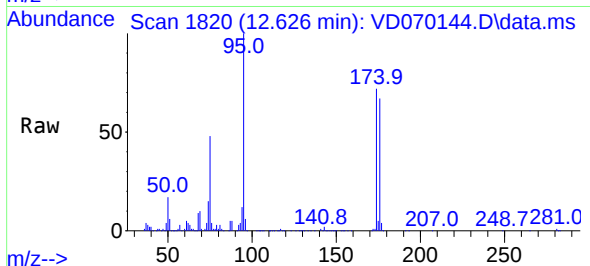




#62  
4-Bromofluorobenzene  
Concen: 50.597 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

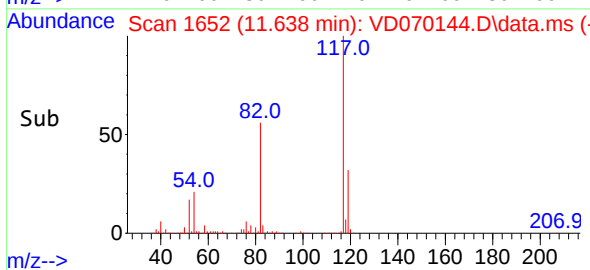
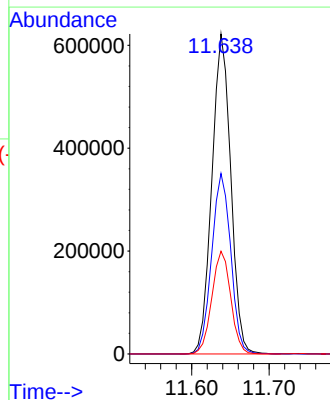
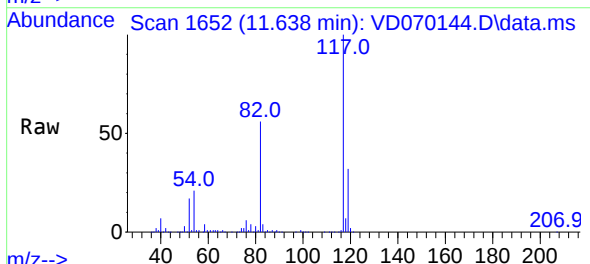
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-28-0003

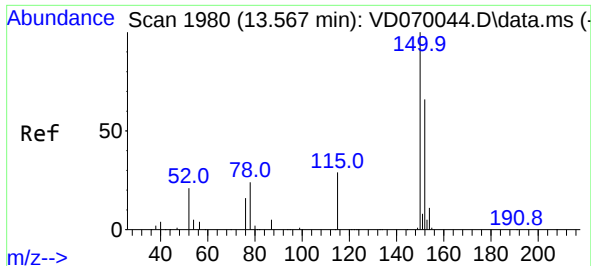
Tgt Ion: 95 Resp: 458773  
Ion Ratio Lower Upper  
95 100  
174 72.4 0.0 141.6  
176 69.2 0.0 138.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

Tgt Ion: 117 Resp: 1053440  
Ion Ratio Lower Upper  
117 100  
82 56.4 47.5 71.3  
119 32.1 25.1 37.7

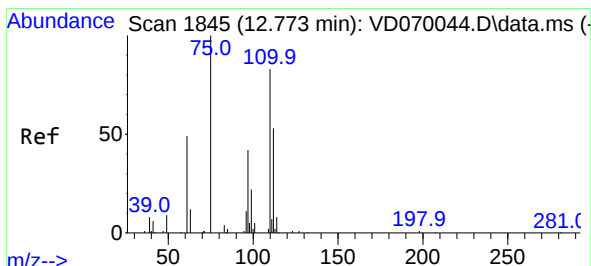
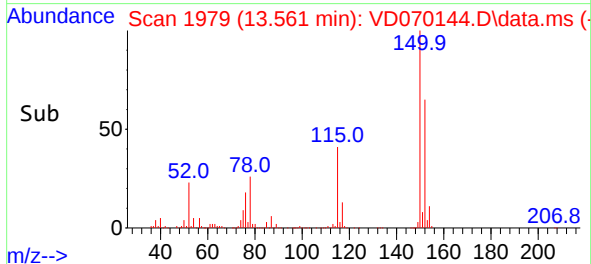
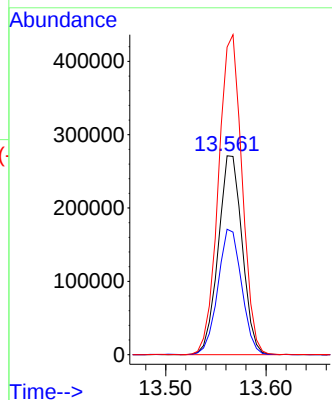
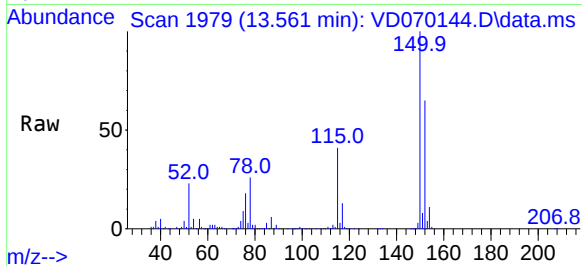




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

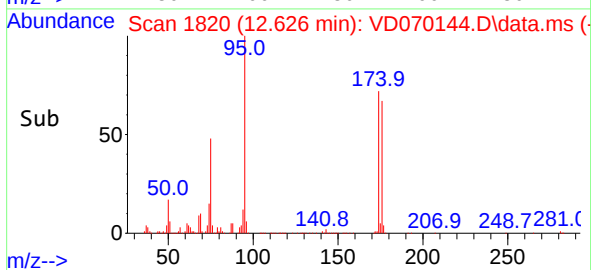
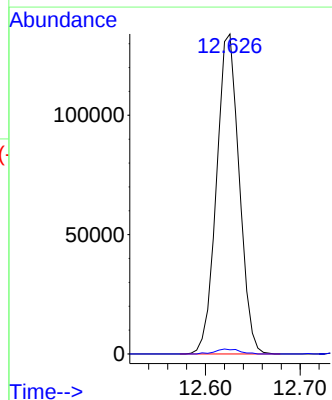
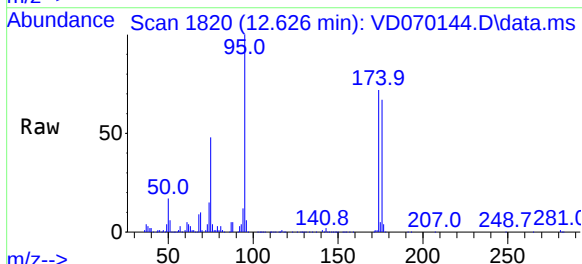
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-28-0003

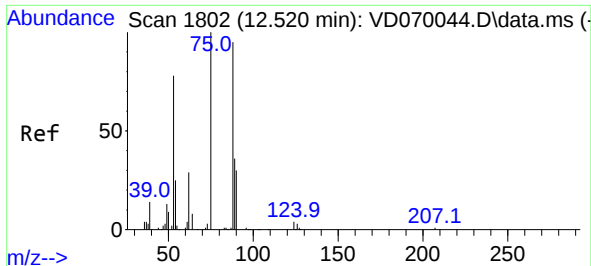
Tgt Ion:152 Resp: 448920  
Ion Ratio Lower Upper  
152 100  
115 62.6 31.2 93.6  
150 158.6 0.0 352.0



#76  
1,2,3-Trichloropropane  
Concen: 49.030 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

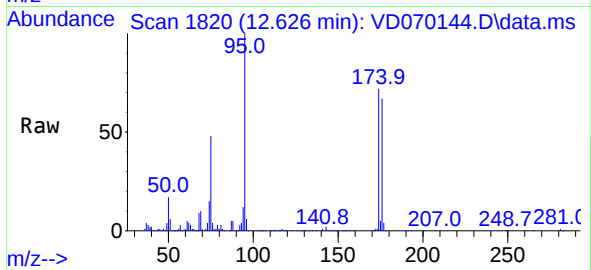
Tgt Ion: 75 Resp: 223216  
Ion Ratio Lower Upper  
75 100  
77 1.7 182.4 547.2#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 127.263 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD070144.D  
Acq: 19 Aug 2021 00:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-28-0003



Tgt Ion: 75 Resp: 223216  
Ion Ratio Lower Upper  
75 100  
53 0.2 64.5 96.7#  
89 0.0 33.7 50.5#

