

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072321\  
 Data File : VD069831.D  
 Acq On : 23 Jul 2021 16:19  
 Operator : VA/SY  
 Sample : M3117-03RE  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 NJ-CLEAN-3RE

Quant Time: Jul 24 01:35:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:51:13 2021  
 Response via : Initial Calibration

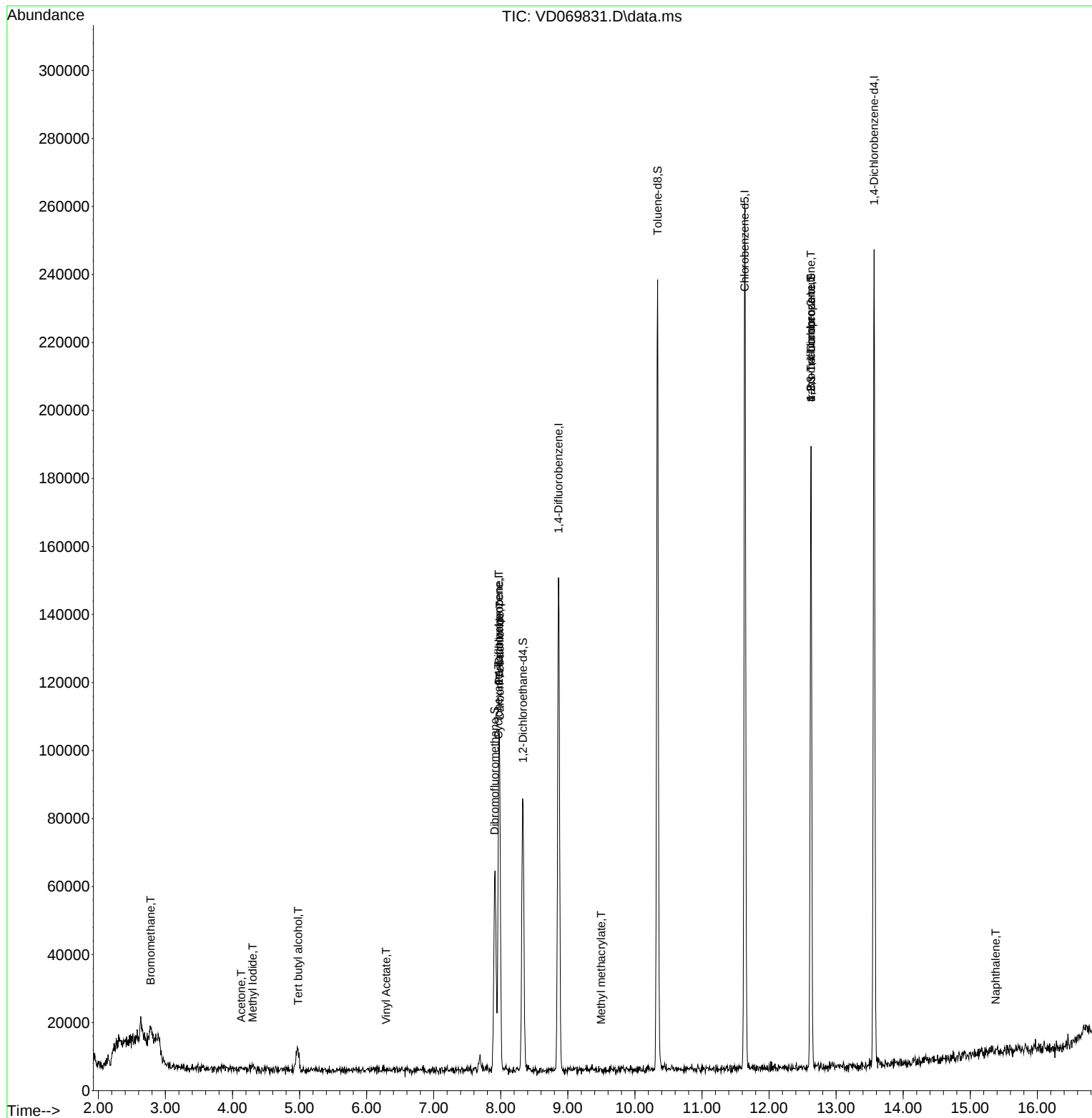
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.973  | 168            | 73272    | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114            | 126281   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.637 | 117            | 146443   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152            | 65586    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332  | 65             | 61954    | 73.519     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 50 - 163 | Recovery | = 147.040% |        |          |
| 35) Dibromofluoromethane      | 7.908  | 113            | 43461    | 54.594     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 54 - 147 | Recovery | = 109.180% |        |          |
| 50) Toluene-d8                | 10.337 | 98             | 159015   | 51.803     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 49 - 140 | Recovery | = 103.600% |        |          |
| 62) 4-Bromofluorobenzene      | 12.626 | 95             | 61014    | 59.475     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 25 - 144 | Recovery | = 118.960% |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 5) Bromomethane               | 2.779  | 94             | 2838     | 2.262      | ug/l   | 84       |
| 10) Methyl Iodide             | 4.302  | 142            | 1086     | 4.572      | ug/l # | 40       |
| 11) Tert butyl alcohol        | 4.979  | 59             | 65       | 1.491      | ug/l # | 73       |
| 16) Acetone                   | 4.132  | 43             | 737      | 4.841      | ug/l # | 38       |
| 20) Methylene Chloride        | 4.967  | 84             | 5091     | Below Cal  |        | 92       |
| 23) Vinyl Acetate             | 6.291  | 43             | 57       | 20.385     | ug/l # | 71       |
| 31) Cyclohexane               | 7.967  | 56             | 1937     | 1.176      | ug/l # | 21       |
| 36) 1,1-Dichloropropene       | 7.973  | 75             | 6526     | 4.789      | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.985  | 117            | 7557     | 6.071      | ug/l # | 19       |
| 48) Methyl methacrylate       | 9.496  | 41             | 63       | 2.872      | ug/l # | 13       |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75             | 30580    | 43.865     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75             | 30580    | 133.076    | ug/l # | 16       |
| 95) Naphthalene               | 15.378 | 128            | 56       | 5.022      | ug/l # | 69       |
| -----                         |        |                |          |            |        |          |

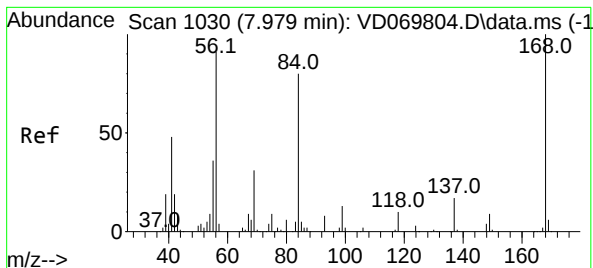
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072321\  
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Sample : M3117-03RE  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-3RE

Quant Time: Jul 24 01:35:16 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 04:51:13 2021  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD069831.D

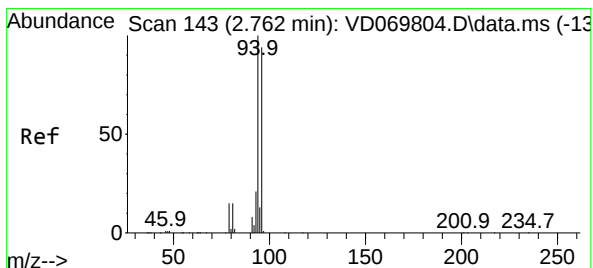
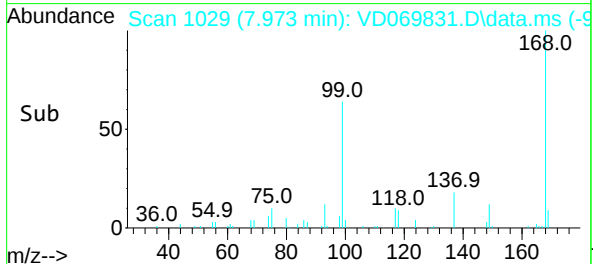
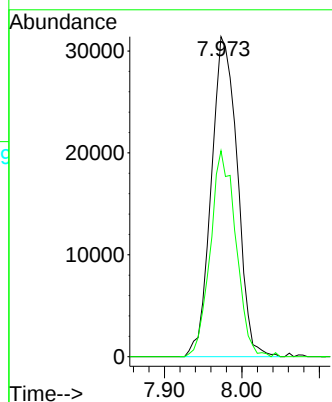
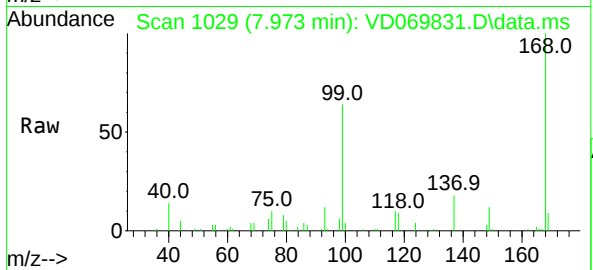
Acq: 23 Jul 2021 16:19

Tgt Ion:168 Resp: 73272

Ion Ratio Lower Upper

168 100

99 64.4 51.1 76.7



#5

Bromomethane

Concen: 2.262 ug/l

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD069831.D

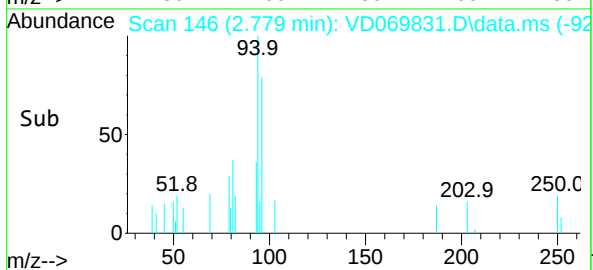
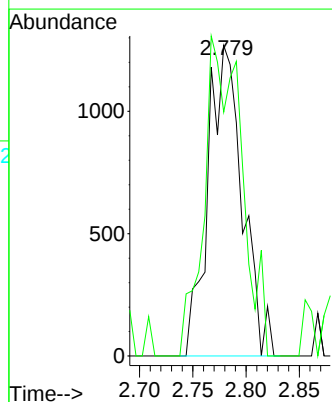
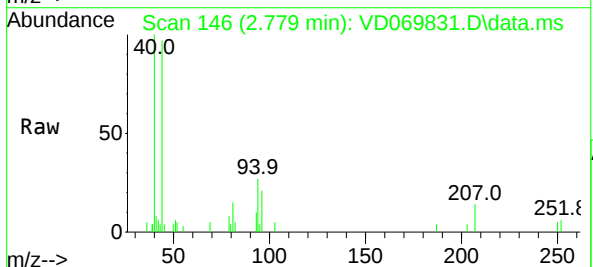
Acq: 23 Jul 2021 16:19

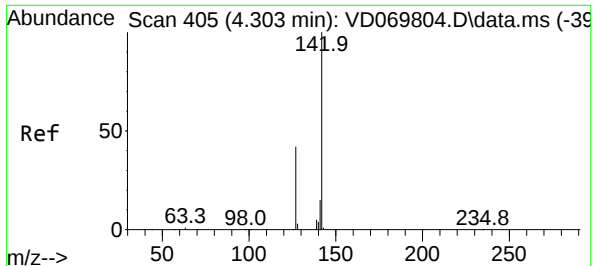
Tgt Ion: 94 Resp: 2838

Ion Ratio Lower Upper

94 100

96 78.6 74.8 112.2





#10

Methyl Iodide

Concen: 4.572 ug/l

RT: 4.302 min Scan# 405

Delta R.T. -0.001 min

Lab File: VD069831.D

Acq: 23 Jul 2021 16:19

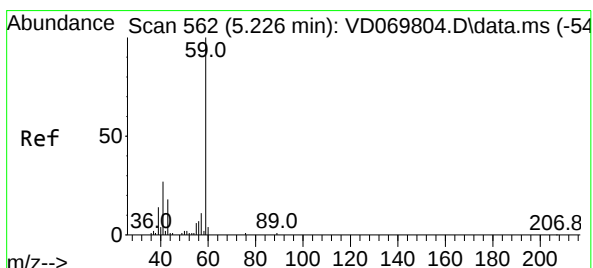
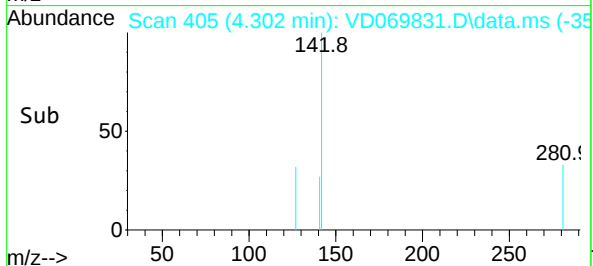
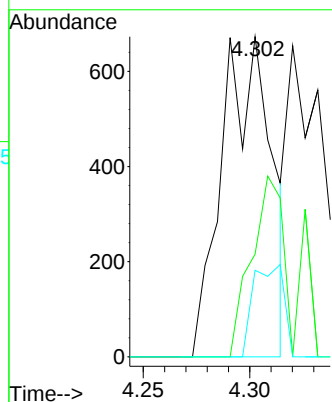
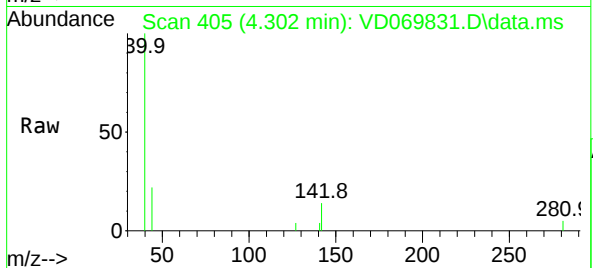
Tgt Ion:142 Resp: 1086

Ion Ratio Lower Upper

142 100

127 0.0 35.7 53.5#

141 0.0 12.0 18.0#



#11

Tert butyl alcohol

Concen: 1.491 ug/l

RT: 4.979 min Scan# 520

Delta R.T. -0.247 min

Lab File: VD069831.D

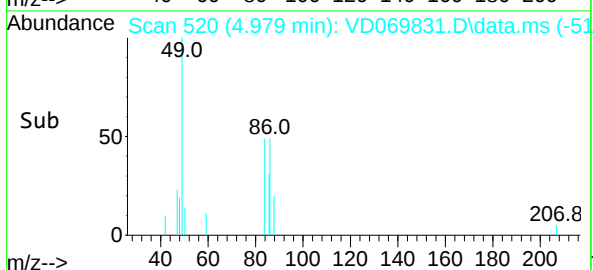
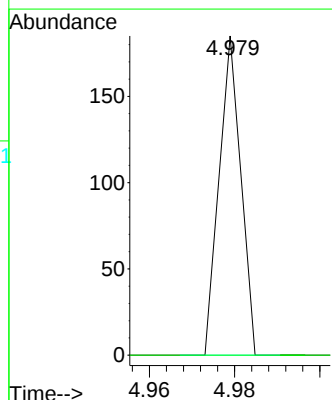
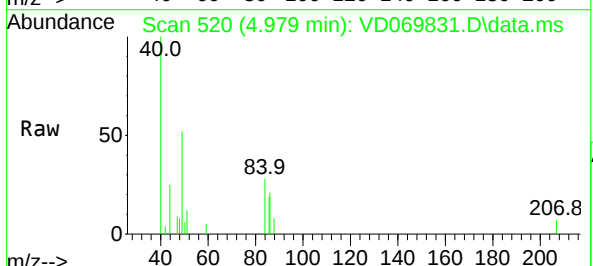
Acq: 23 Jul 2021 16:19

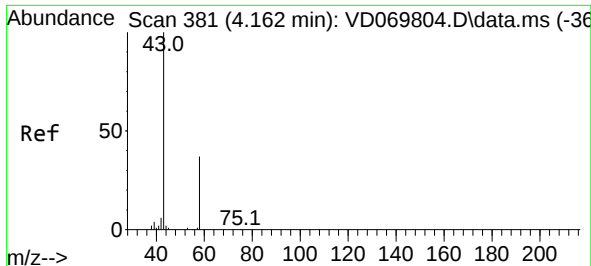
Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

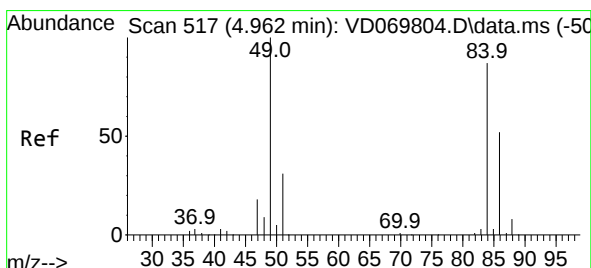
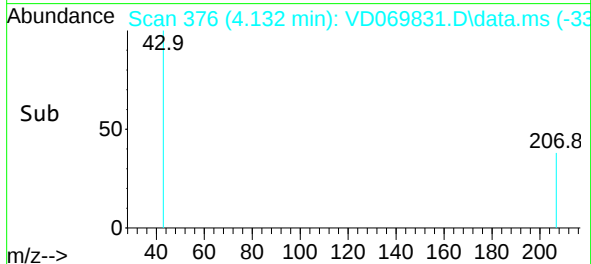
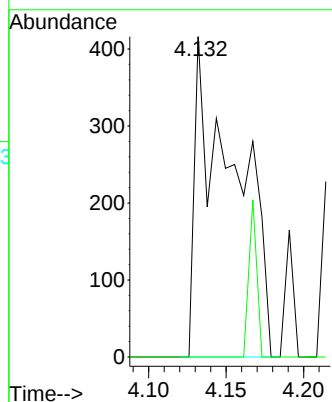
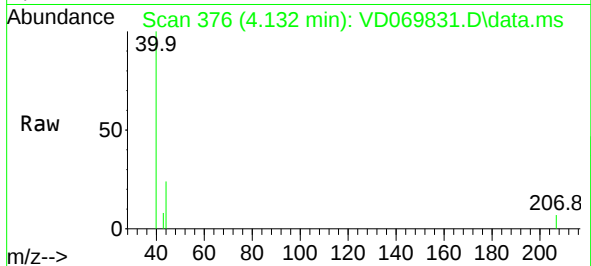




#16  
Acetone  
Concen: 4.841 ug/l  
RT: 4.132 min Scan# 376  
Delta R.T. -0.030 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

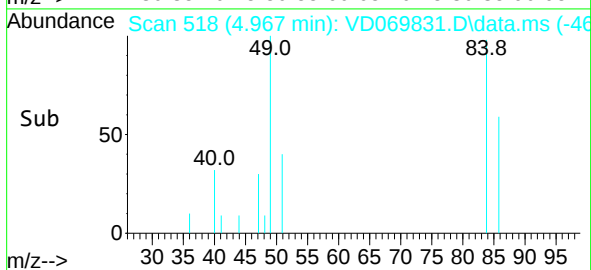
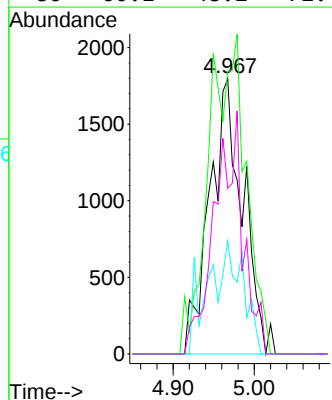
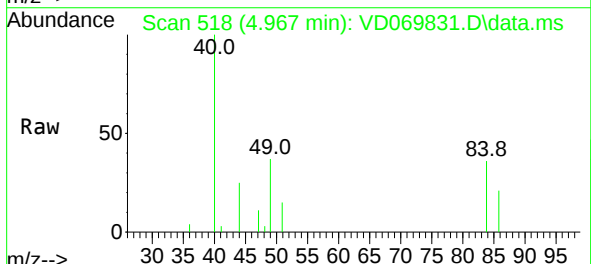
Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-3RE

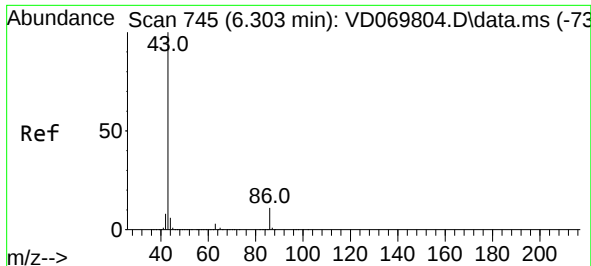
Tgt Ion: 43 Resp: 737  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.4 44.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.967 min Scan# 518  
Delta R.T. 0.005 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

Tgt Ion: 84 Resp: 5091  
Ion Ratio Lower Upper  
84 100  
49 102.5 92.4 138.6  
51 40.9 28.5 42.7  
86 60.1 48.2 72.4

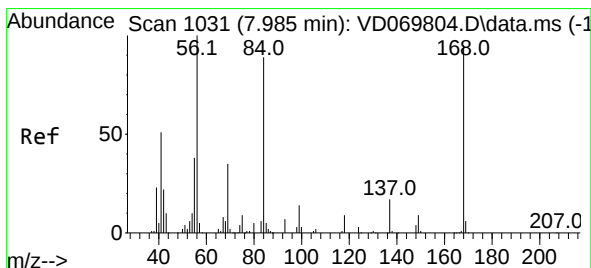
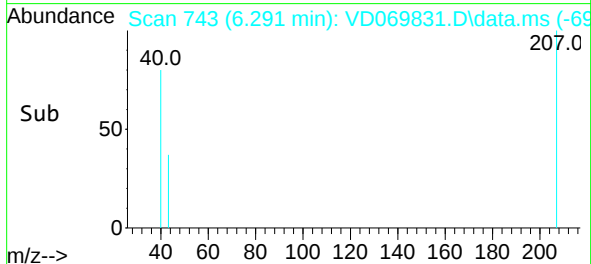
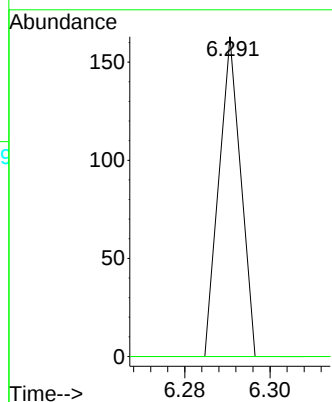
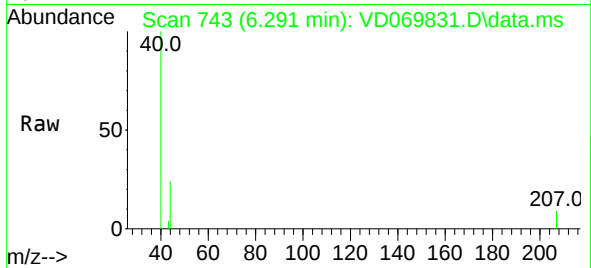




#23  
 Vinyl Acetate  
 Concen: 20.385 ug/l  
 RT: 6.291 min Scan# 743  
 Delta R.T. -0.012 min  
 Lab File: VD069831.D  
 Acq: 23 Jul 2021 16:19

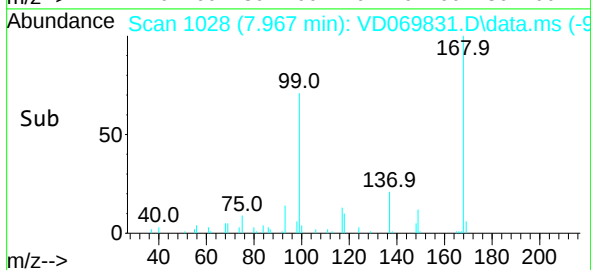
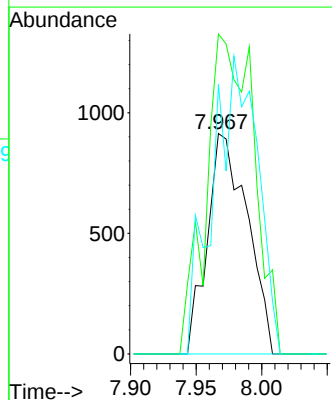
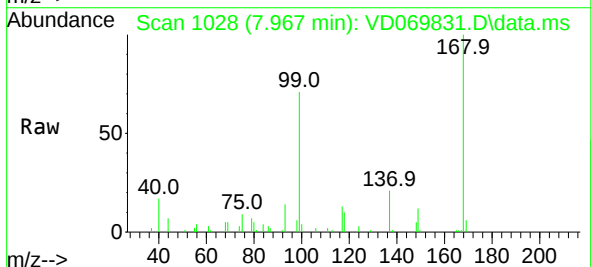
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 NJ-CLEAN-3RE

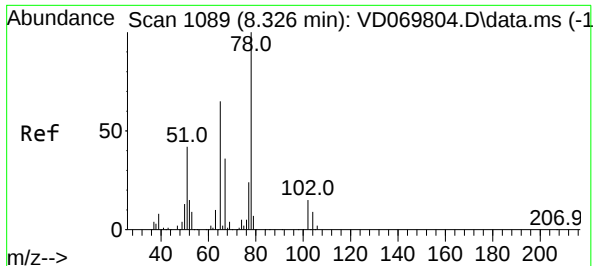
Tgt Ion: 43 Resp: 57  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 8.6 13.0#



#31  
 Cyclohexane  
 Concen: 1.176 ug/l  
 RT: 7.967 min Scan# 1028  
 Delta R.T. -0.018 min  
 Lab File: VD069831.D  
 Acq: 23 Jul 2021 16:19

Tgt Ion: 56 Resp: 1937  
 Ion Ratio Lower Upper  
 56 100  
 69 145.2 27.9 41.9#  
 84 122.2 71.4 107.2#



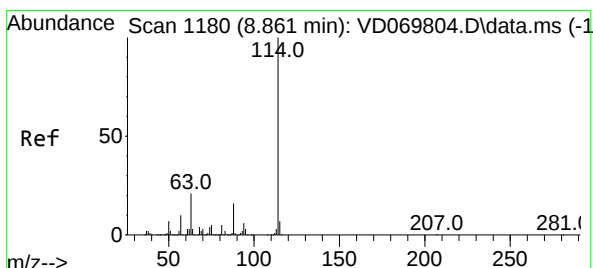
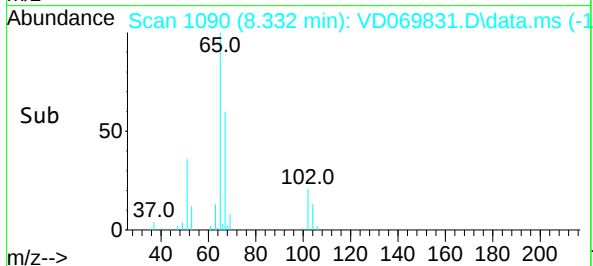
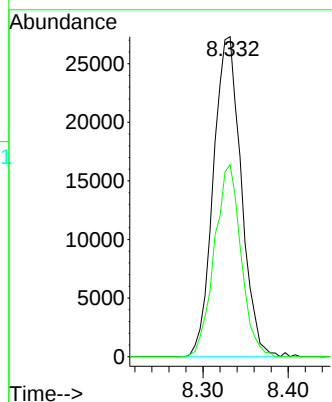
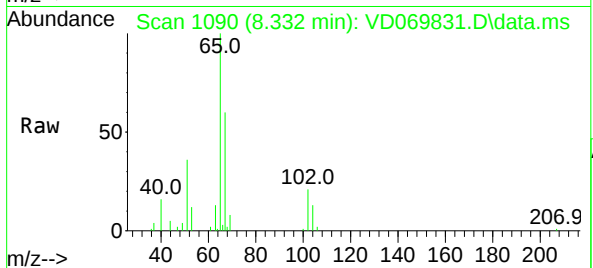


#33

1,2-Dichloroethane-d4  
Concen: 73.519 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-3RE

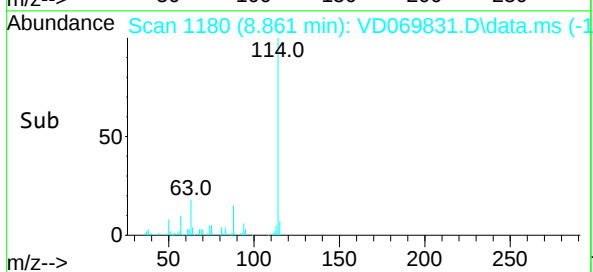
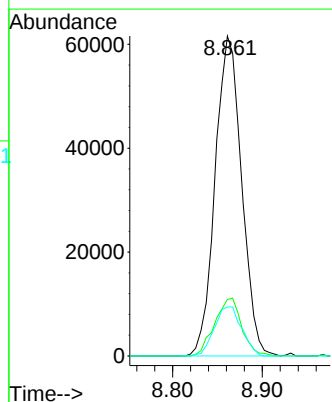
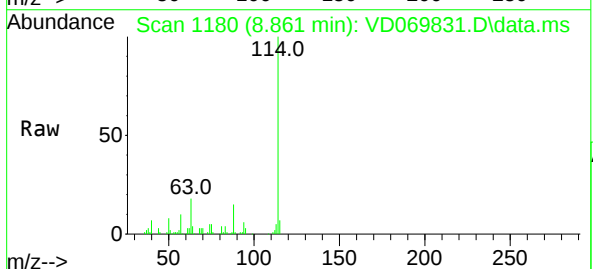
Tgt Ion: 65 Resp: 61954  
Ion Ratio Lower Upper  
65 100  
67 57.4 0.0 111.2

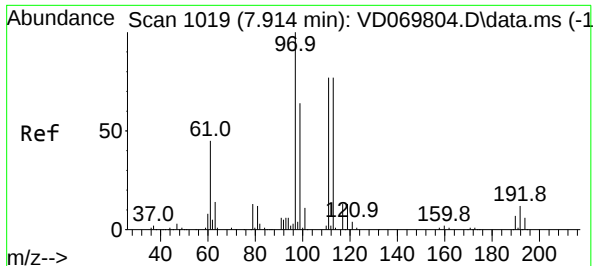


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

Tgt Ion: 114 Resp: 126281  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 41.6  
88 15.3 0.0 31.4



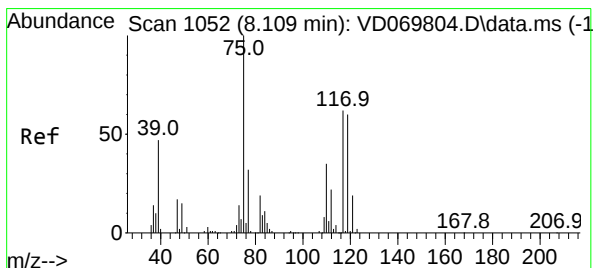
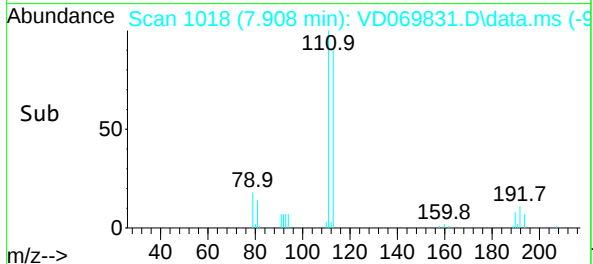
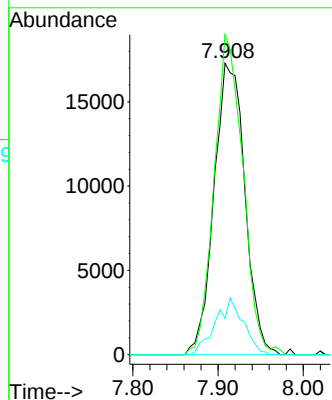
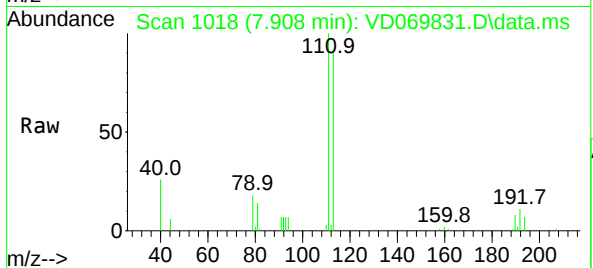


#35

Dibromofluoromethane  
Concen: 54.594 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

Instrument :  
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ClientSampleId :  
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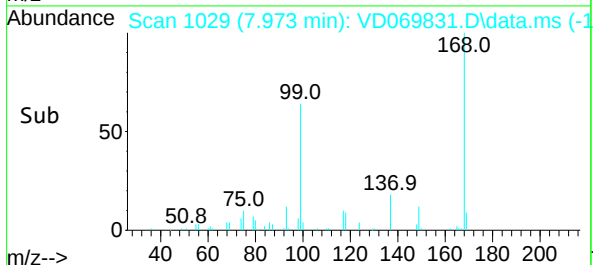
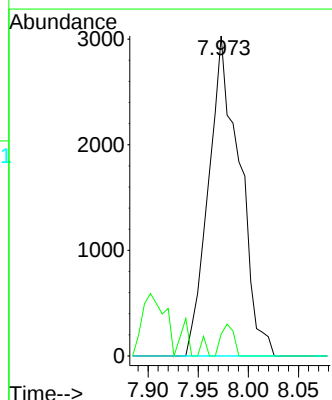
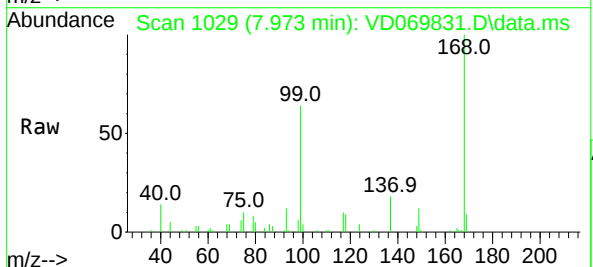
Tgt Ion:113 Resp: 43461  
Ion Ratio Lower Upper  
113 100  
111 102.2 80.5 120.7  
192 17.6 12.6 19.0

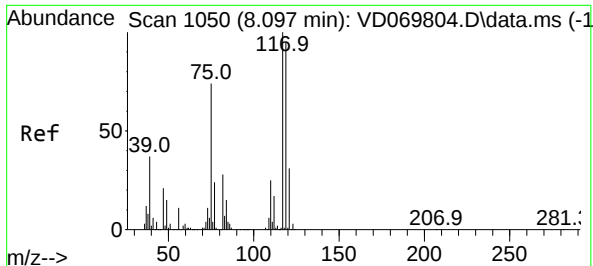


#36

1,1-Dichloropropene  
Concen: 4.789 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.136 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

Tgt Ion: 75 Resp: 6526  
Ion Ratio Lower Upper  
75 100  
110 4.0 16.9 50.7#  
77 0.0 24.9 37.3#

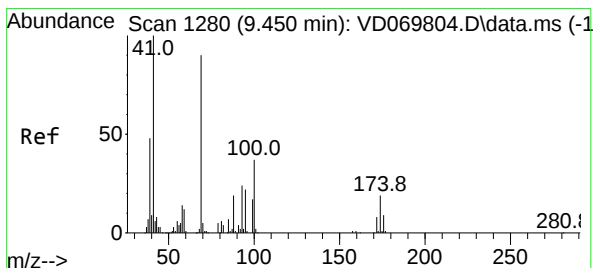
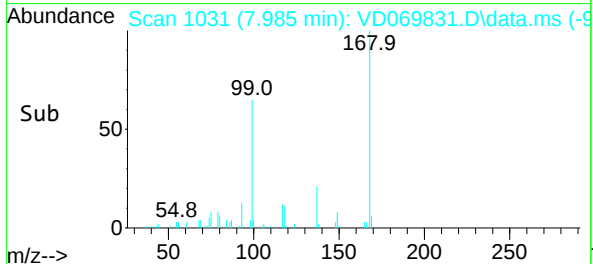
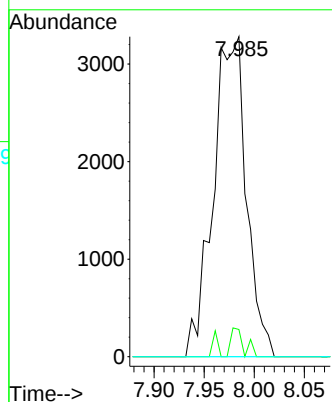
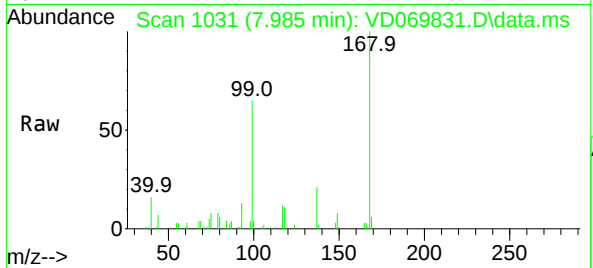




#38  
Carbon Tetrachloride  
Concen: 6.071 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.112 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

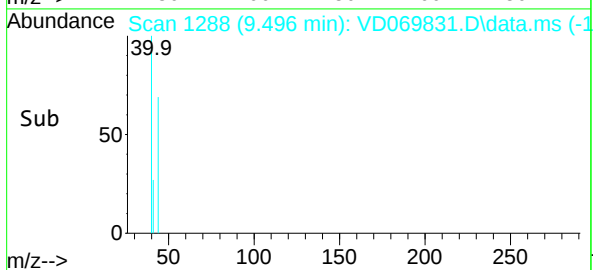
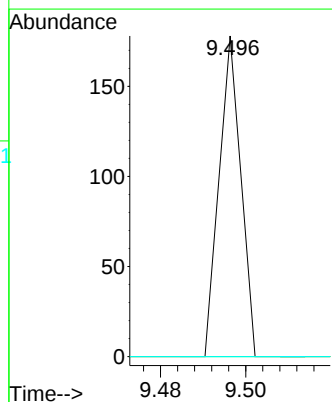
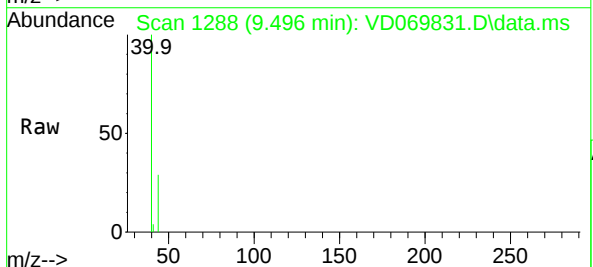
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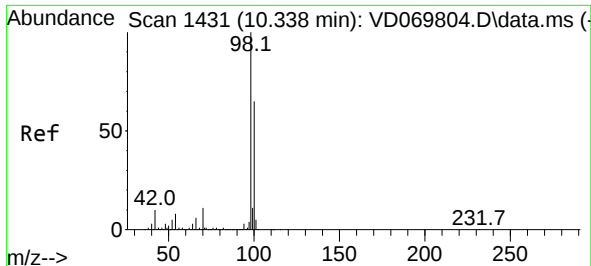
Tgt Ion: 117 Resp: 7557  
Ion Ratio Lower Upper  
117 100  
119 8.5 76.2 114.2#  
121 0.0 24.5 36.7#



#48  
Methyl methacrylate  
Concen: 2.872 ug/l  
RT: 9.496 min Scan# 1288  
Delta R.T. 0.046 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

Tgt Ion: 41 Resp: 63  
Ion Ratio Lower Upper  
41 100  
69 0.0 73.4 110.2#  
39 0.0 36.6 55.0#

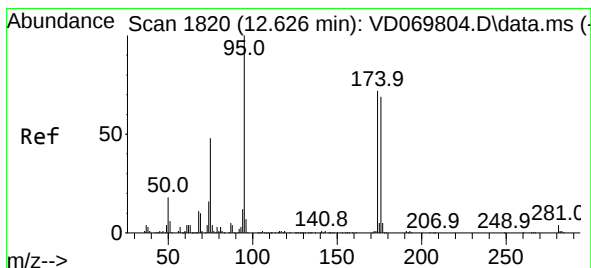
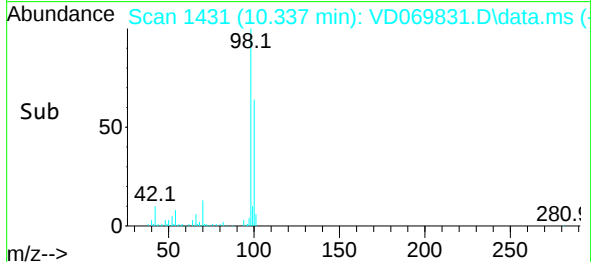
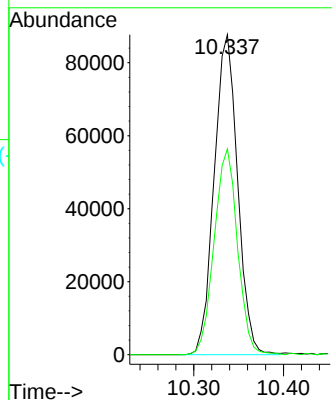
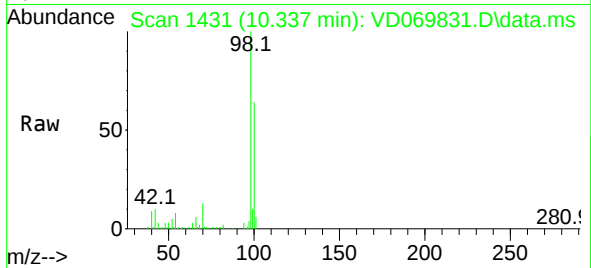




#50  
Toluene-d8  
Concen: 51.803 ug/l  
RT: 10.337 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

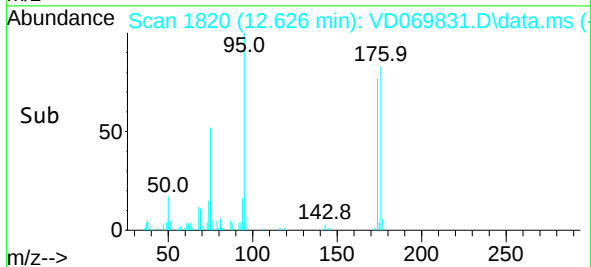
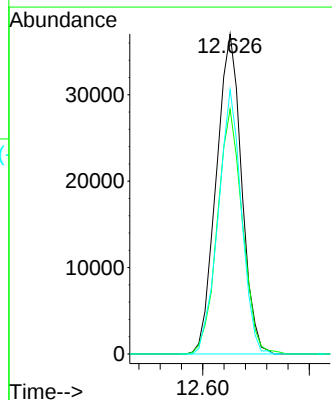
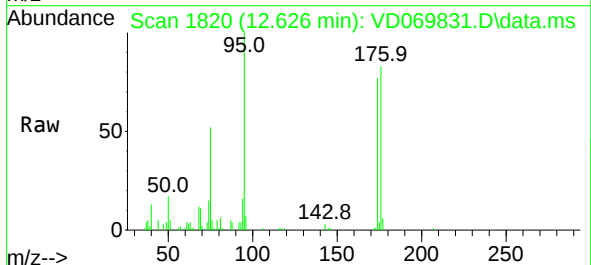
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MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-3RE

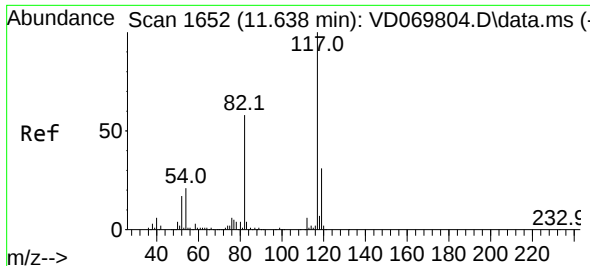
Tgt Ion: 98 Resp: 159015  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 59.475 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

Tgt Ion: 95 Resp: 61014  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 142.6  
176 75.7 0.0 134.2

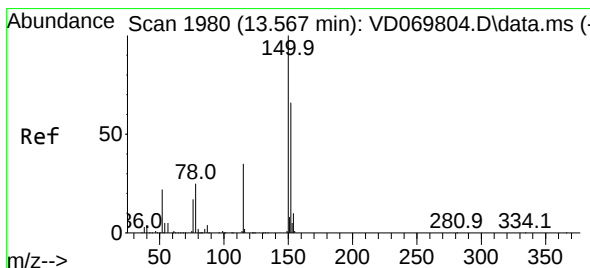
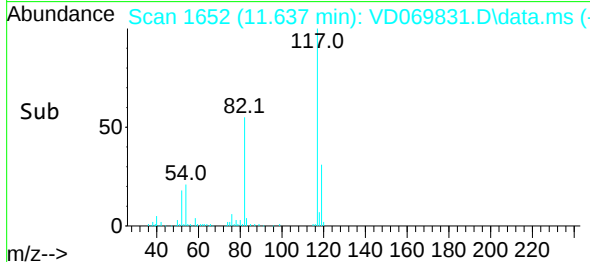
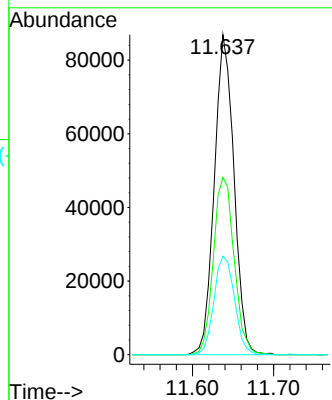
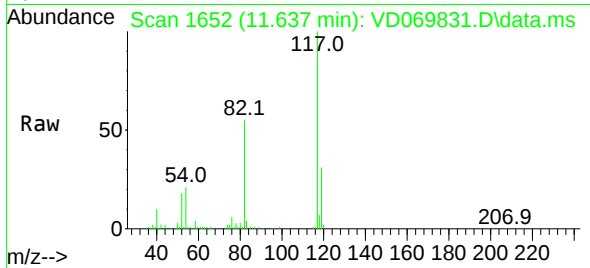




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

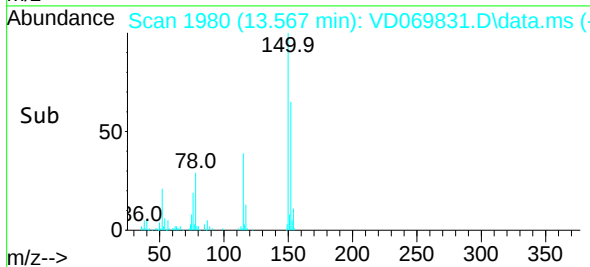
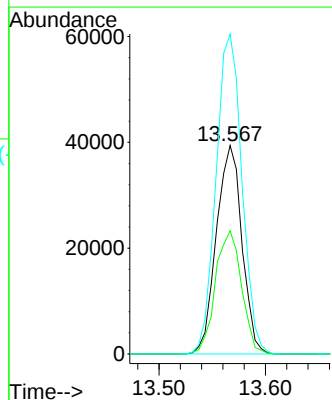
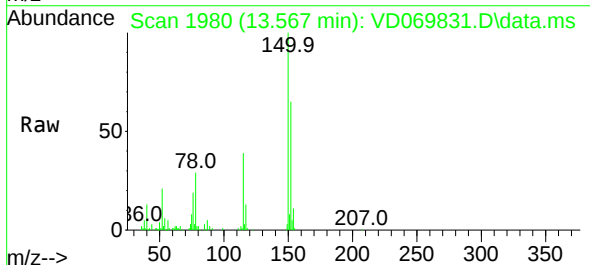
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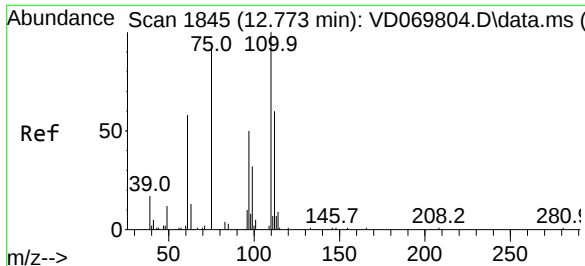
Tgt Ion:117 Resp: 146443  
Ion Ratio Lower Upper  
117 100  
82 55.4 46.3 69.5  
119 30.8 24.7 37.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

Tgt Ion:152 Resp: 65586  
Ion Ratio Lower Upper  
152 100  
115 60.3 31.1 93.3  
150 155.4 0.0 343.0

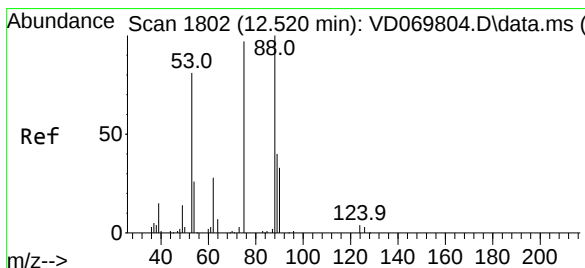
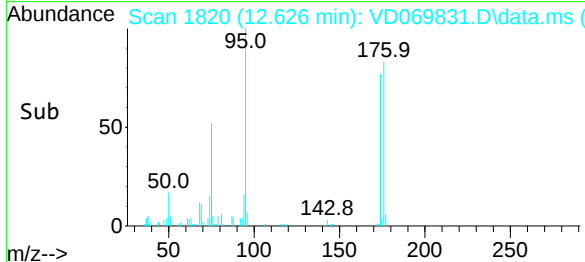
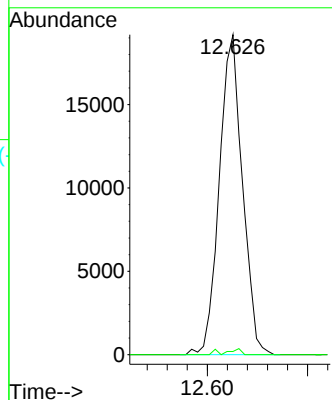
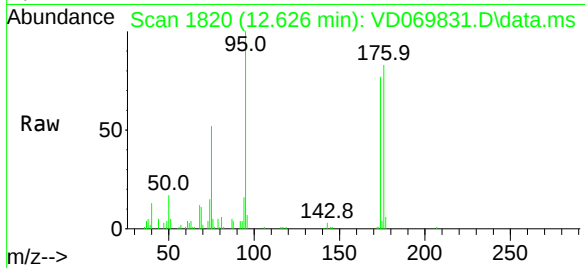




#76  
1,2,3-Trichloropropane  
Concen: 43.865 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

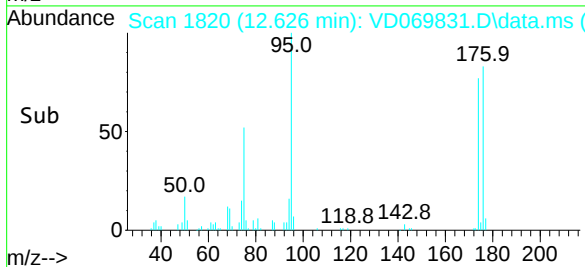
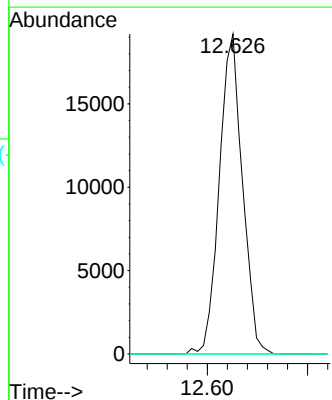
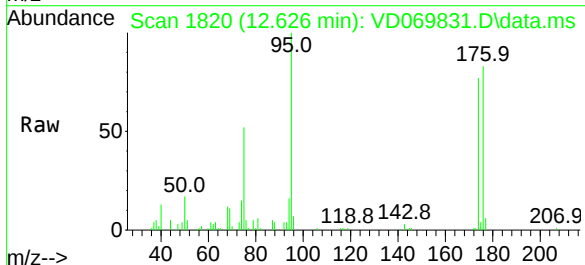
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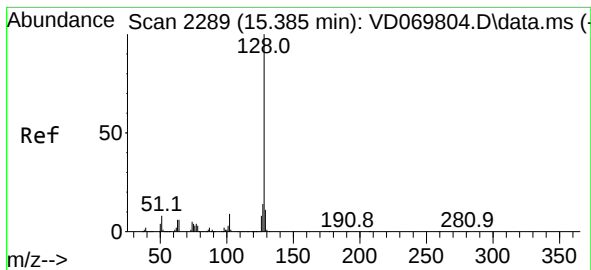
Tgt Ion: 75 Resp: 30580  
Ion Ratio Lower Upper  
75 100  
77 0.9 181.5 544.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 133.076 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.105 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

Tgt Ion: 75 Resp: 30580  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.2 100.8#  
89 0.0 35.8 53.6#





#95  
Naphthalene  
Concen: 5.022 ug/l  
RT: 15.378 min Scan# 2288  
Delta R.T. -0.007 min  
Lab File: VD069831.D  
Acq: 23 Jul 2021 16:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-3RE

Tgt Ion:128 Resp: 56  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 16.0#  
129 0.0 8.6 12.8#

