

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052122\  
 Data File : VD073240.D  
 Acq On : 21 May 2022 20:21  
 Operator : VA/SY  
 Sample : M2920-01  
 Misc : 4.74G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P015-SS006-0006-01

Quant Time: May 22 01:34:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

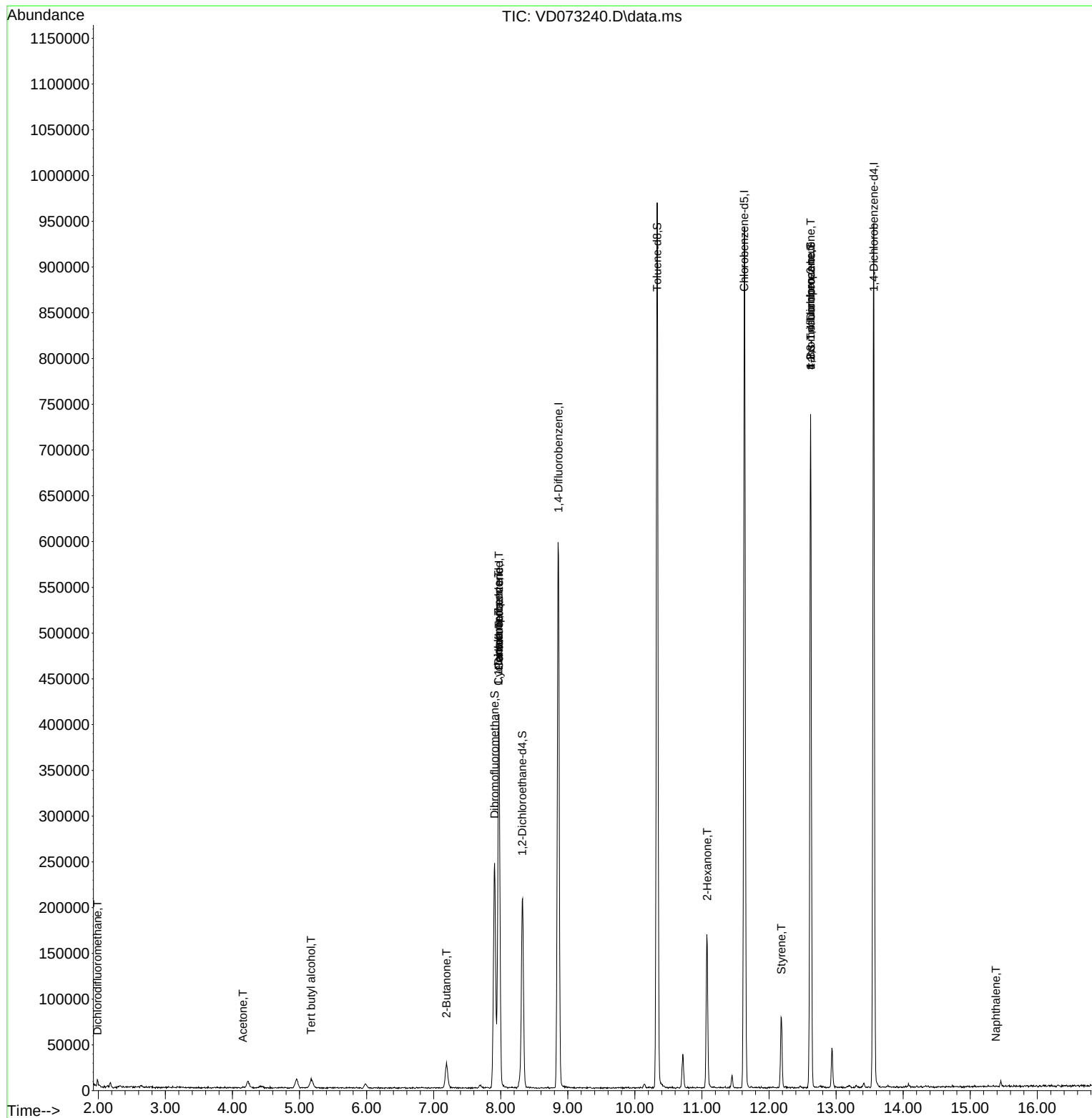
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 291182   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 512312   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.632 | 117   | 545814   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 237032   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.320  | 65    | 162842   | 50.604    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 101.200% |          |
| 35) Dibromofluoromethane      | 7.908  | 113   | 174922   | 51.743    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 103.480% |          |
| 50) Toluene-d8                | 10.332 | 98    | 645512   | 51.800    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 103.600% |          |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 234614   | 53.647    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 107.300% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.985  | 85    | 5644     | 1.940     | ug/l       | 99       |
| 5) Bromomethane               | 2.773  | 94    | 583      | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 5.173  | 59    | 8628     | 17.281    | ug/l #     | 74       |
| 16) Acetone                   | 4.156  | 43    | 1344     | 2.411     | ug/l #     | 47       |
| 20) Methylene Chloride        | 4.950  | 84    | 7408     | Below Cal | #          | 69       |
| 25) 2-Butanone                | 7.191  | 43    | 1391     | 1.706     | ug/l #     | 52       |
| 31) Cyclohexane               | 7.967  | 56    | 6530     | 1.161     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.967  | 75    | 23902    | 4.701     | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 7.973  | 117   | 31009    | 6.017     | ug/l #     | 18       |
| 59) 2-Hexanone                | 11.079 | 43    | 1382     | 1.087     | ug/l #     | 59       |
| 70) Styrene                   | 12.185 | 104   | 38315    | 3.174     | ug/l       | 90       |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 119580   | 51.417    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 119580   | 123.436   | ug/l #     | 7        |
| 95) Naphthalene               | 15.385 | 128   | 56       | 3.548     | ug/l #     | 70       |
| -----                         |        |       |          |           |            |          |

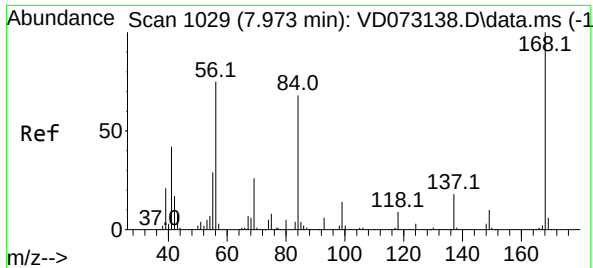
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052122\  
Data File : VD073240.D  
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Operator : VA/SY  
Sample : M2920-01  
Misc : 4.74G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P015-SS006-0006-01

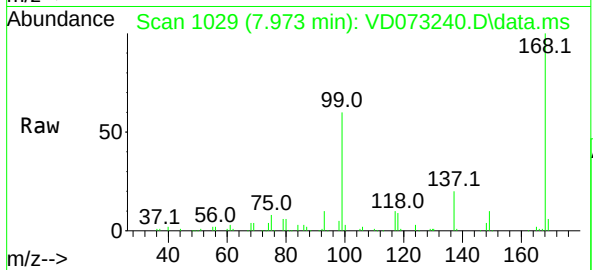
Quant Time: May 22 01:34:05 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration



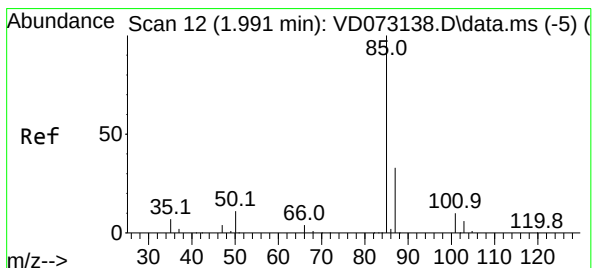
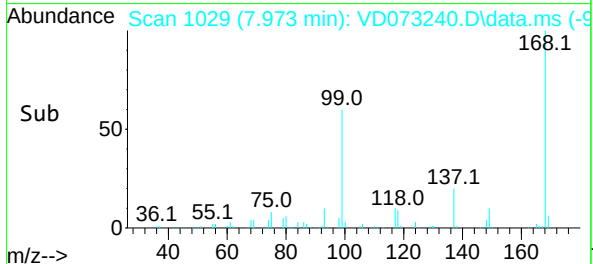
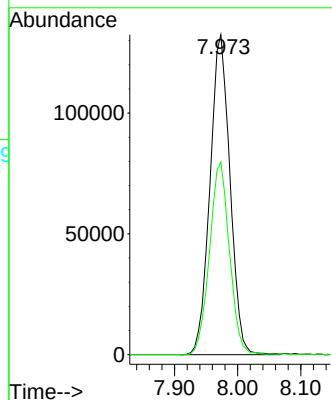


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
P015-SS006-0006-01

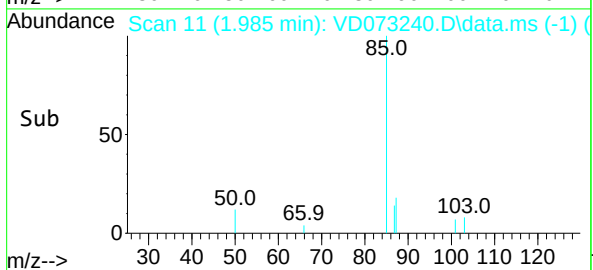
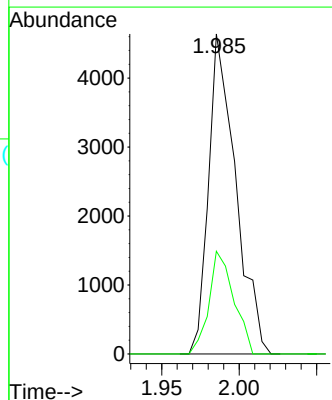
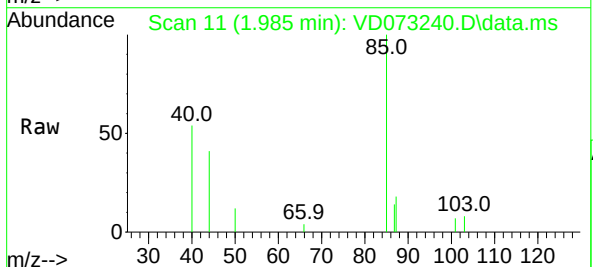


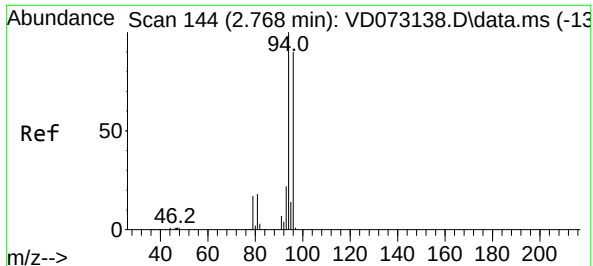
Tgt Ion:168 Resp: 291182  
Ion Ratio Lower Upper  
168 100  
99 60.2 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: 1.940 ug/l  
RT: 1.985 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

Tgt Ion: 85 Resp: 5644  
Ion Ratio Lower Upper  
85 100  
87 32.1 15.7 47.0

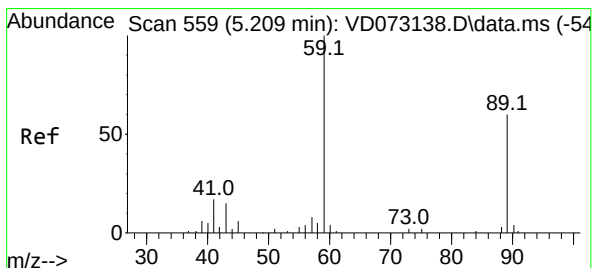
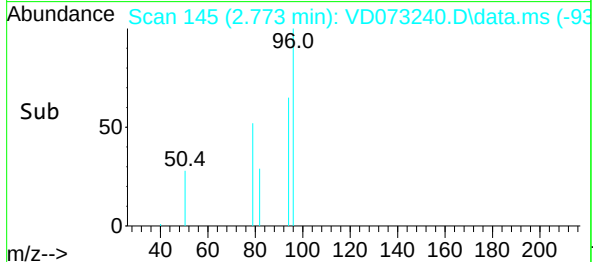
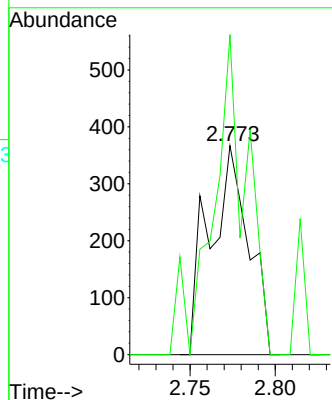
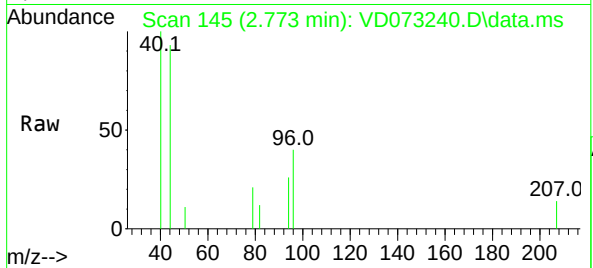




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.773 min Scan# 144  
Delta R.T. 0.005 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

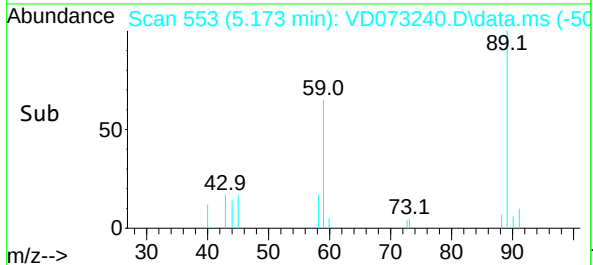
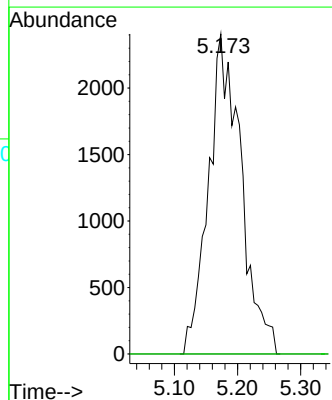
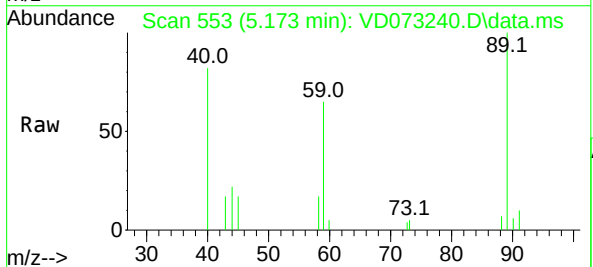
Instrument :  
MSVOA\_D  
ClientSampleId :  
P015-SS006-0006-01

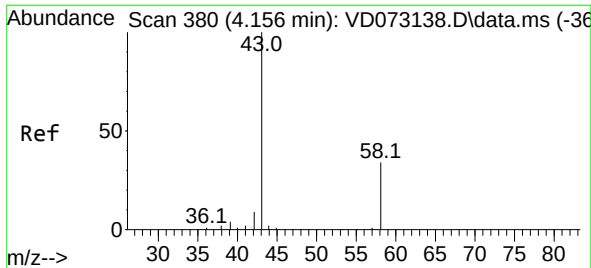
Tgt Ion: 94 Resp: 583  
Ion Ratio Lower Upper  
94 100  
96 153.1 77.6 116.4#



#11  
Tert butyl alcohol  
Concen: 17.281 ug/l  
RT: 5.173 min Scan# 553  
Delta R.T. -0.036 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

Tgt Ion: 59 Resp: 8628  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#

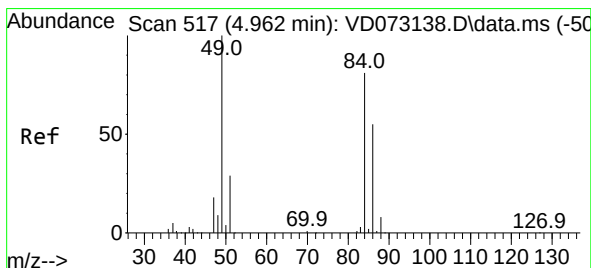
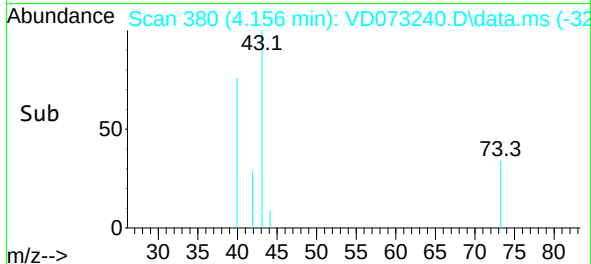
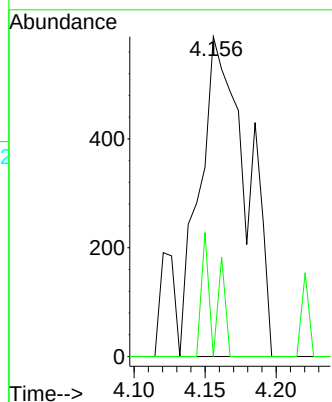
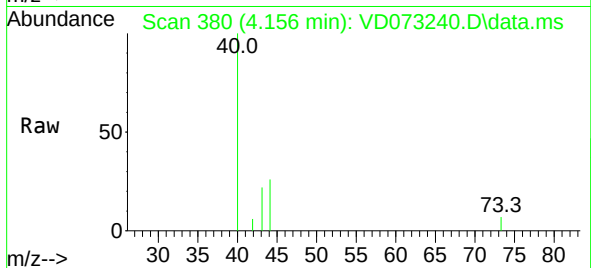




#16  
Acetone  
Concen: 2.411 ug/l  
RT: 4.156 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

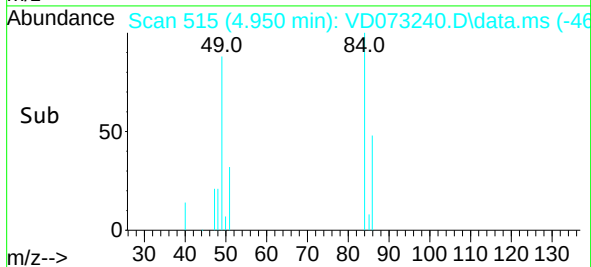
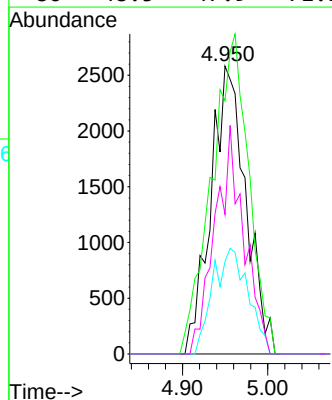
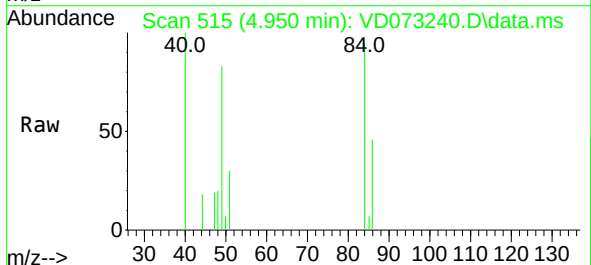
Instrument :  
MSVOA\_D  
ClientSampleId :  
P015-SS006-0006-01

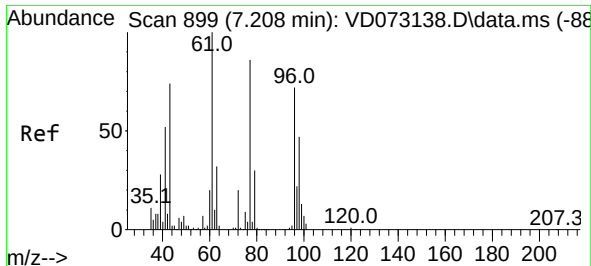
Tgt Ion: 43 Resp: 1344  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.1 33.1#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.950 min Scan# 515  
Delta R.T. -0.012 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

Tgt Ion: 84 Resp: 7408  
Ion Ratio Lower Upper  
84 100  
49 88.0 112.8 169.2#  
51 32.1 32.6 48.8#  
86 48.5 47.9 71.9

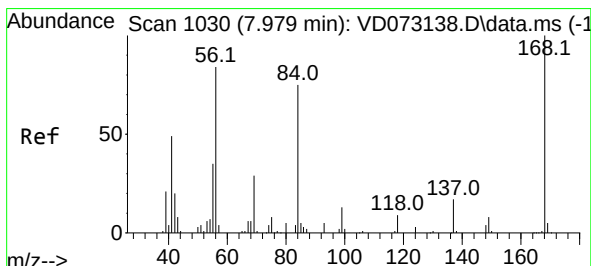
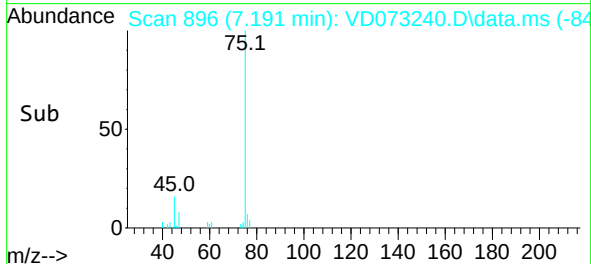
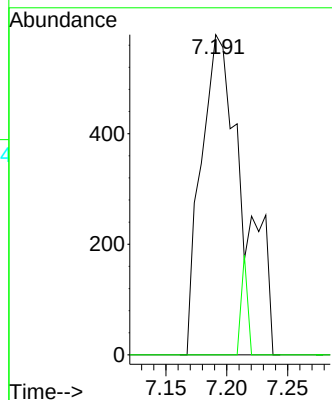
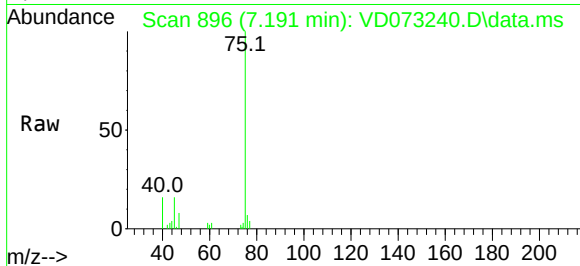




#25  
2-Butanone  
Concen: 1.706 ug/l  
RT: 7.191 min Scan# 899  
Delta R.T. -0.017 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

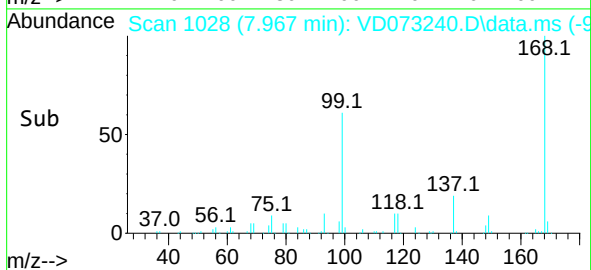
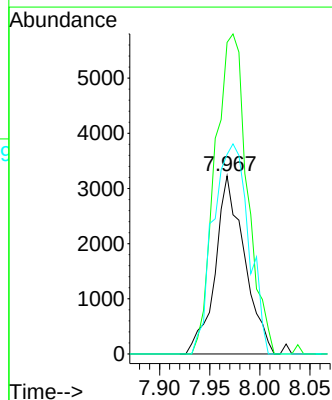
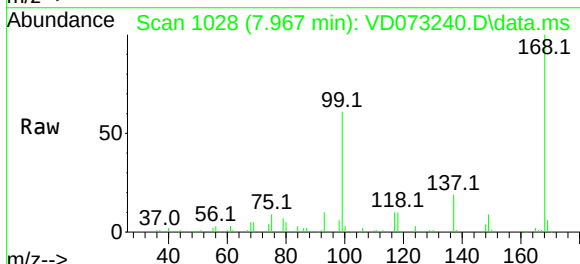
Instrument :  
MSVOA\_D  
ClientSampleId :  
P015-SS006-0006-01

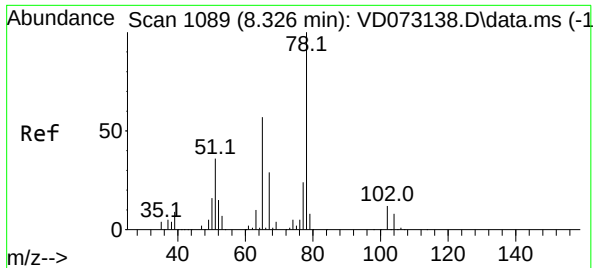
Tgt Ion: 43 Resp: 1391  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.6 27.8#



#31  
Cyclohexane  
Concen: 1.161 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.012 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

Tgt Ion: 56 Resp: 6530  
Ion Ratio Lower Upper  
56 100  
69 174.9 25.4 38.2#  
84 112.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.604 ug/l

RT: 8.320 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073240.D

Acq: 21 May 2022 20:21

Instrument :

MSVOA\_D

ClientSampleId :

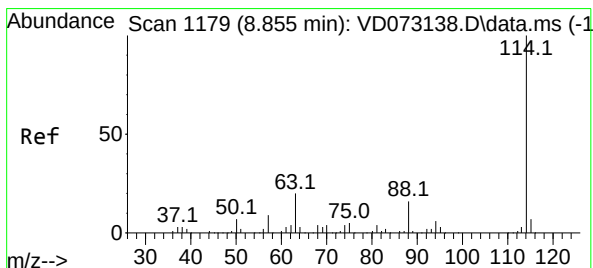
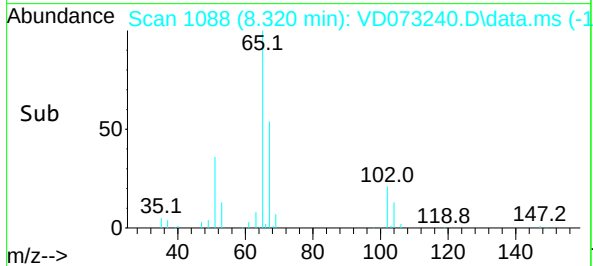
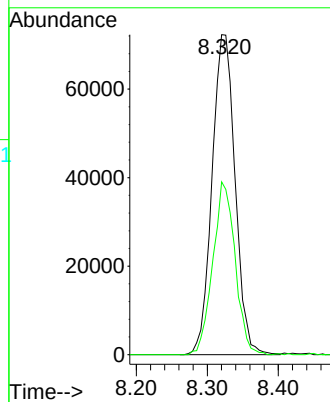
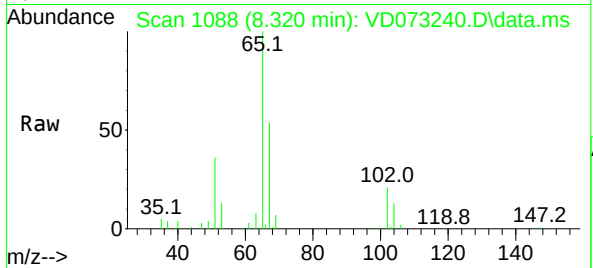
P015-SS006-0006-01

Tgt Ion: 65 Resp: 162842

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073240.D

Acq: 21 May 2022 20:21

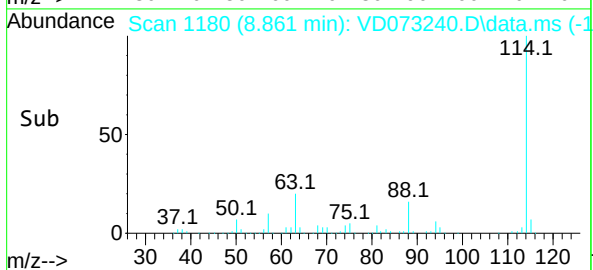
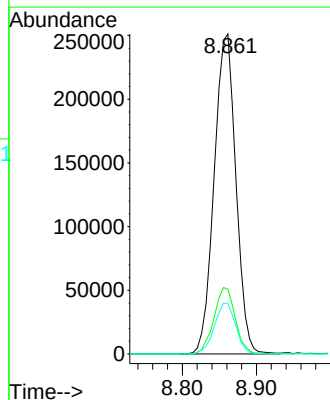
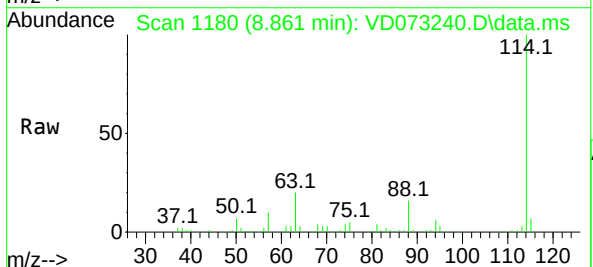
Tgt Ion: 114 Resp: 512312

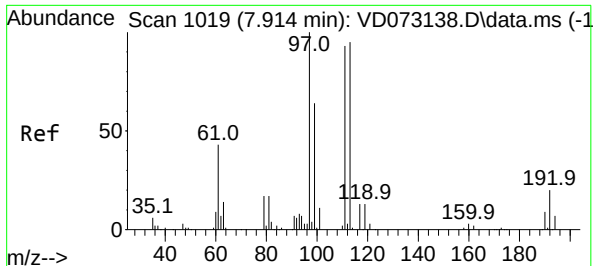
Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.743 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073240.D

Acq: 21 May 2022 20:21

Instrument :

MSVOA\_D

ClientSampleId :

P015-SS006-0006-01

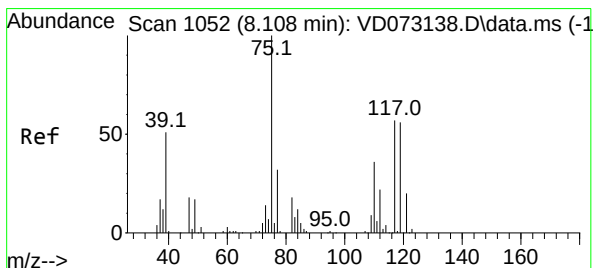
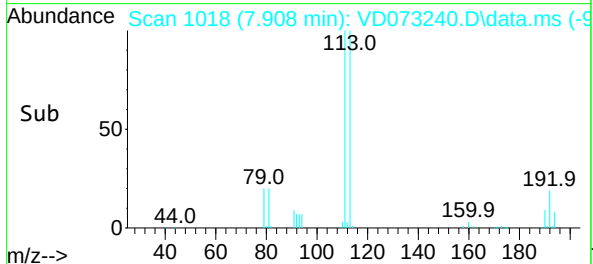
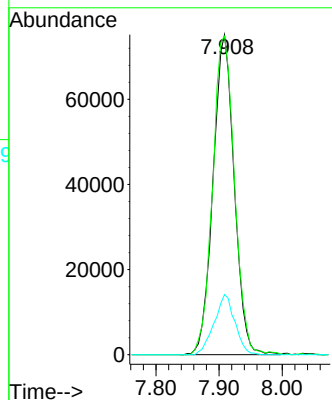
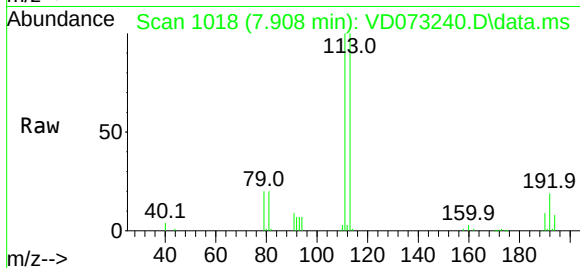
Tgt Ion:113 Resp: 174922

Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 18.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.701 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073240.D

Acq: 21 May 2022 20:21

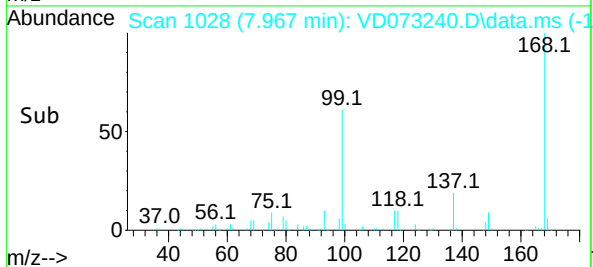
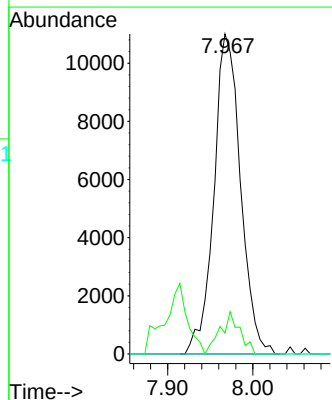
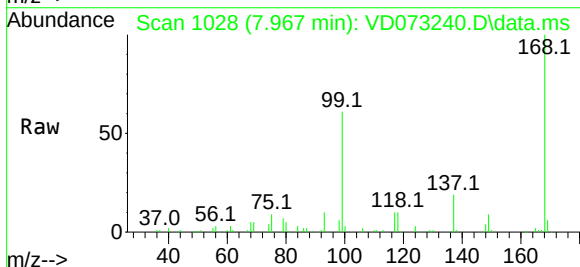
Tgt Ion: 75 Resp: 23902

Ion Ratio Lower Upper

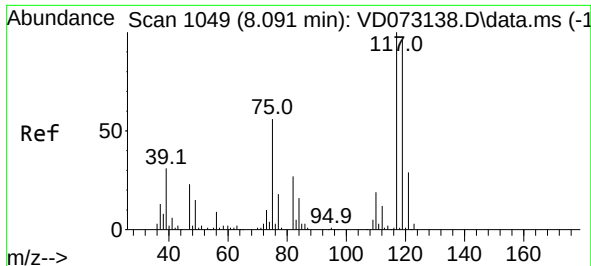
75 100

110 9.7 16.4 49.1#

77 0.0 24.2 36.2#



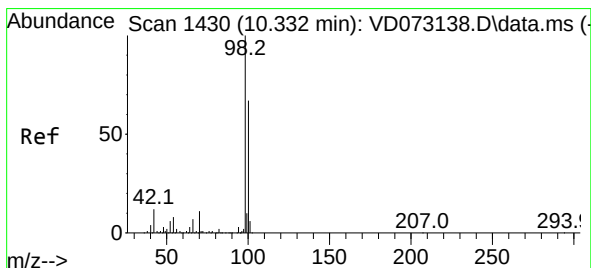
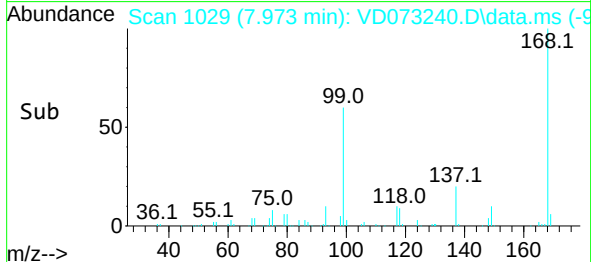
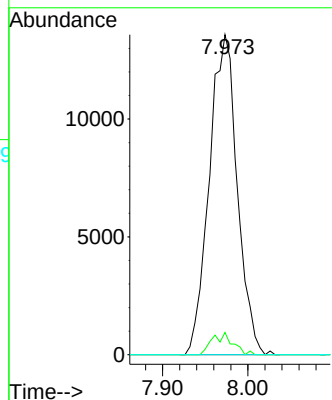
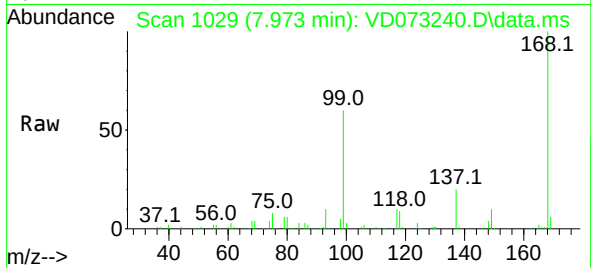




#38  
Carbon Tetrachloride  
Concen: 6.017 ug/l  
RT: 7.973 min Scan# 1049  
Delta R.T. -0.118 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

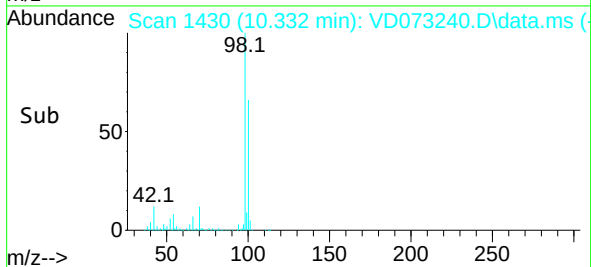
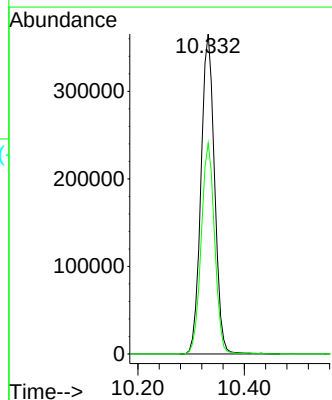
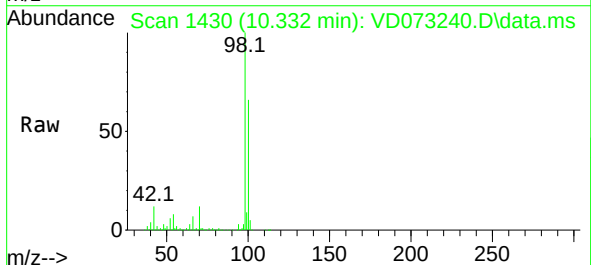
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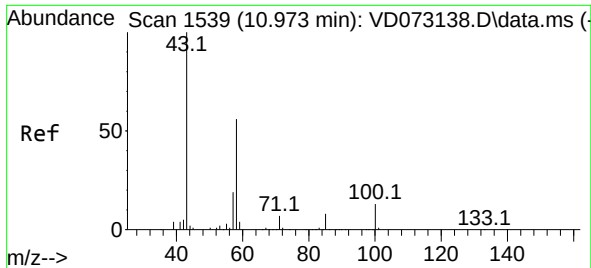
Tgt Ion:117 Resp: 31009  
Ion Ratio Lower Upper  
117 100  
119 6.9 75.8 113.6#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 51.800 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

Tgt Ion: 98 Resp: 645512  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.4 78.6

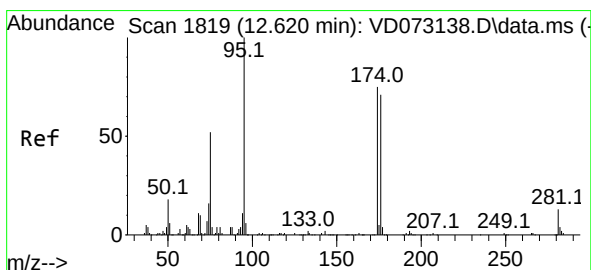
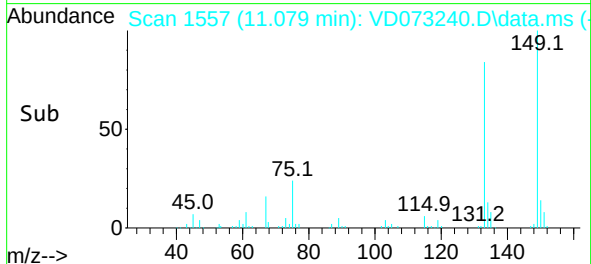
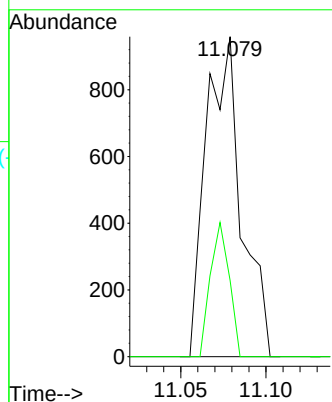
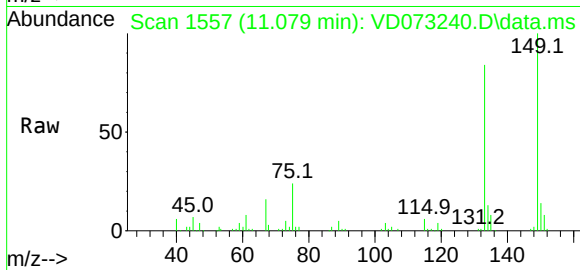




#59  
2-Hexanone  
Concen: 1.087 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. 0.106 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

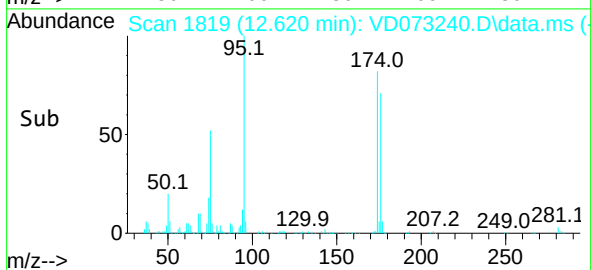
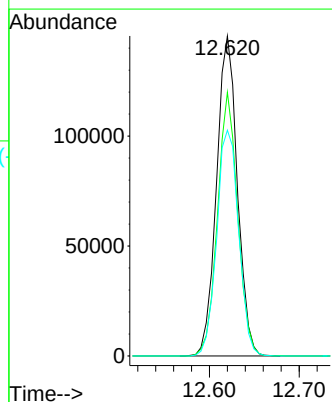
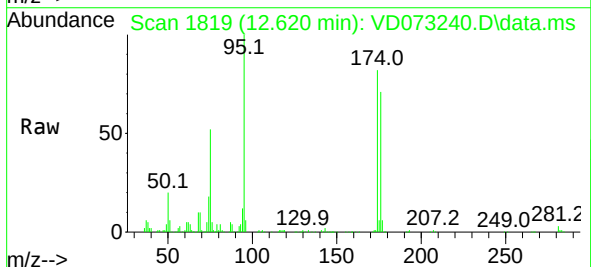
Instrument :  
MSVOA\_D  
ClientSampleId :  
P015-SS006-0006-01

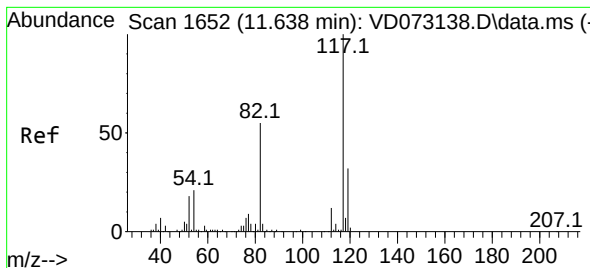
Tgt Ion: 43 Resp: 1382  
Ion Ratio Lower Upper  
43 100  
58 22.3 25.3 75.9#



#62  
4-Bromofluorobenzene  
Concen: 53.647 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

Tgt Ion: 95 Resp: 234614  
Ion Ratio Lower Upper  
95 100  
174 79.7 0.0 152.8  
176 73.9 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073240.D

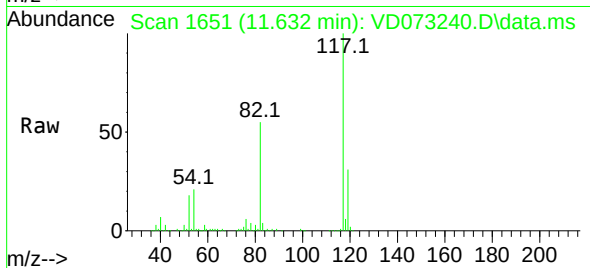
Acq: 21 May 2022 20:21

Instrument :

MSVOA\_D

ClientSampleId :

P015-SS006-0006-01



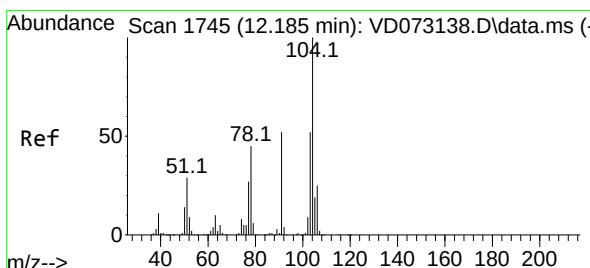
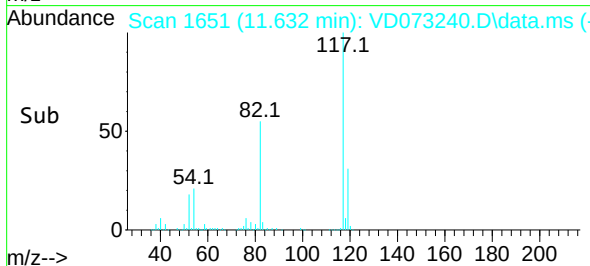
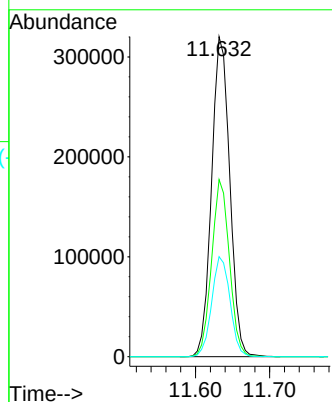
Tgt Ion:117 Resp: 545814

Ion Ratio Lower Upper

117 100

82 55.4 45.3 67.9

119 31.2 26.6 40.0



#70

Styrene

Concen: 3.174 ug/l

RT: 12.185 min Scan# 1745

Delta R.T. -0.000 min

Lab File: VD073240.D

Acq: 21 May 2022 20:21

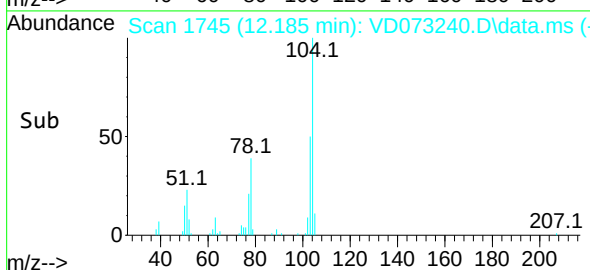
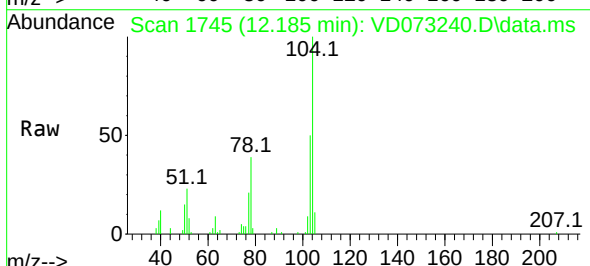
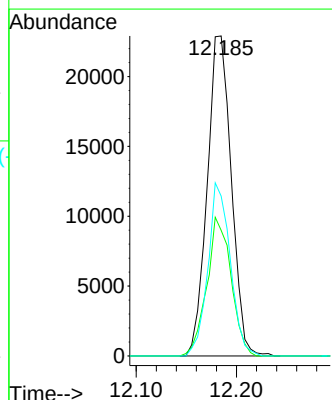
Tgt Ion:104 Resp: 38315

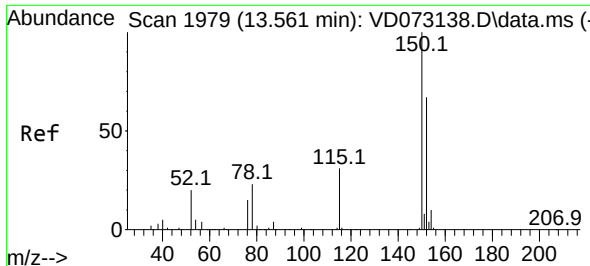
Ion Ratio Lower Upper

104 100

78 43.4 41.8 62.8

103 50.0 44.2 66.4

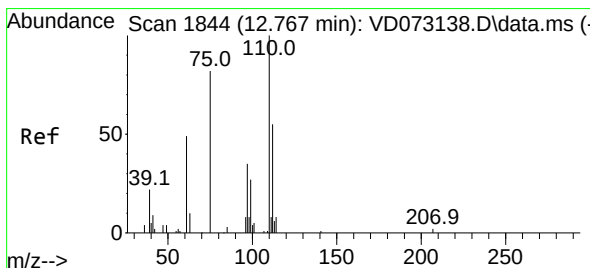
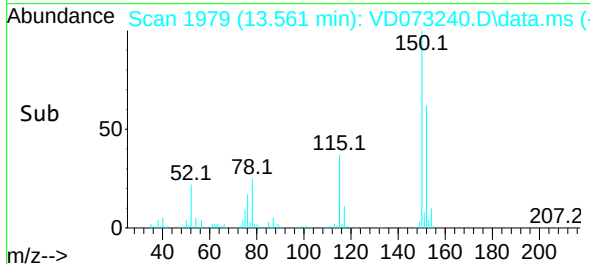
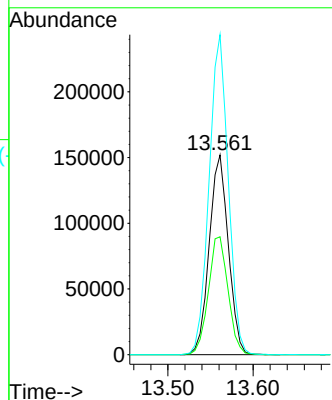
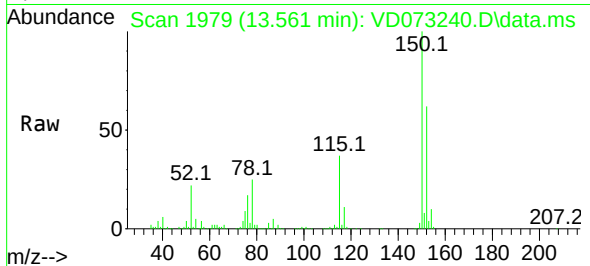




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD073240.D  
 Acq: 21 May 2022 20:21

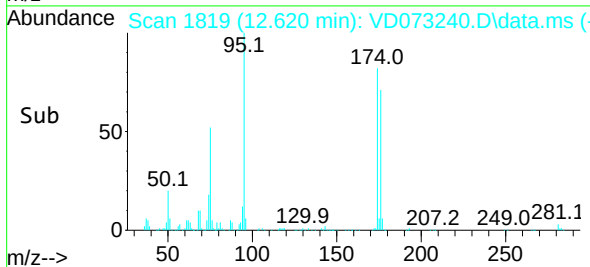
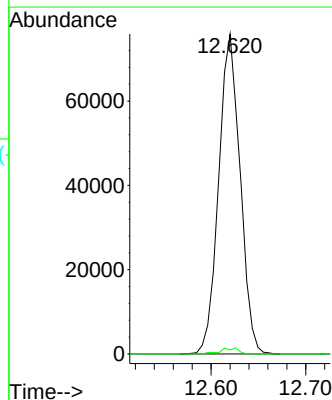
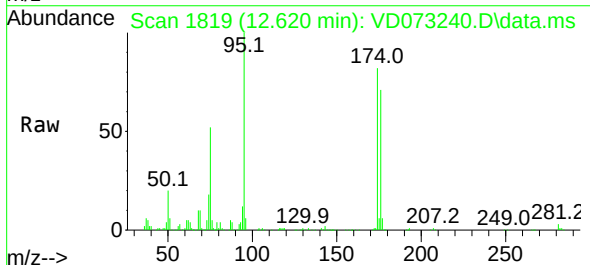
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P015-SS006-0006-01

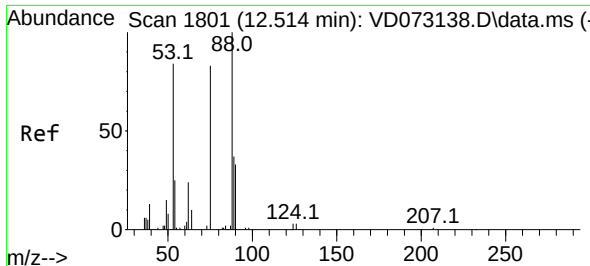
Tgt Ion:152 Resp: 237032  
 Ion Ratio Lower Upper  
 152 100  
 115 60.8 31.3 93.8  
 150 160.1 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 51.417 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. -0.147 min  
 Lab File: VD073240.D  
 Acq: 21 May 2022 20:21

Tgt Ion: 75 Resp: 119580  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 0.0 0.0#

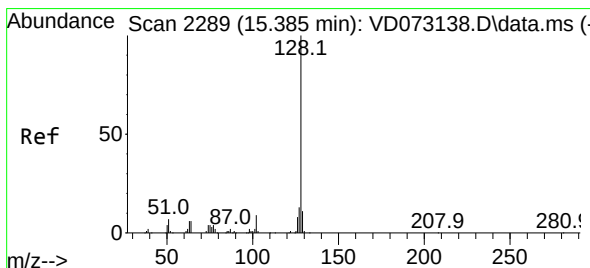
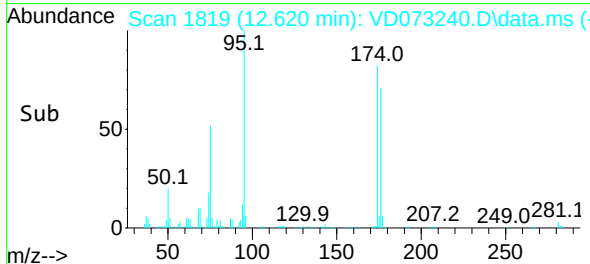
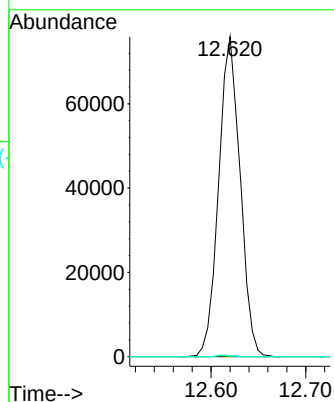
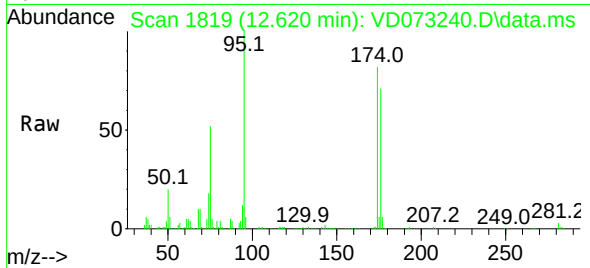




#81  
trans-1,4-Dichloro-2-butene  
Concen: 123.436 ug/l  
RT: 12.620 min Scan# 11  
Delta R.T. 0.106 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
P015-SS006-0006-01

Tgt Ion: 75 Resp: 119580  
Ion Ratio Lower Upper  
75 100  
53 0.2 86.5 129.7#  
89 0.3 33.9 50.9#



#95  
Naphthalene  
Concen: 3.548 ug/l  
RT: 15.385 min Scan# 2289  
Delta R.T. -0.000 min  
Lab File: VD073240.D  
Acq: 21 May 2022 20:21

Tgt Ion: 128 Resp: 56  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.4 12.6#

