

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031622\  
 Data File : VD072224.D  
 Acq On : 16 Mar 2022 17:59  
 Operator : VA/SY  
 Sample : N1890-01  
 Misc : 5.69G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-232

Quant Time: Mar 17 02:27:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

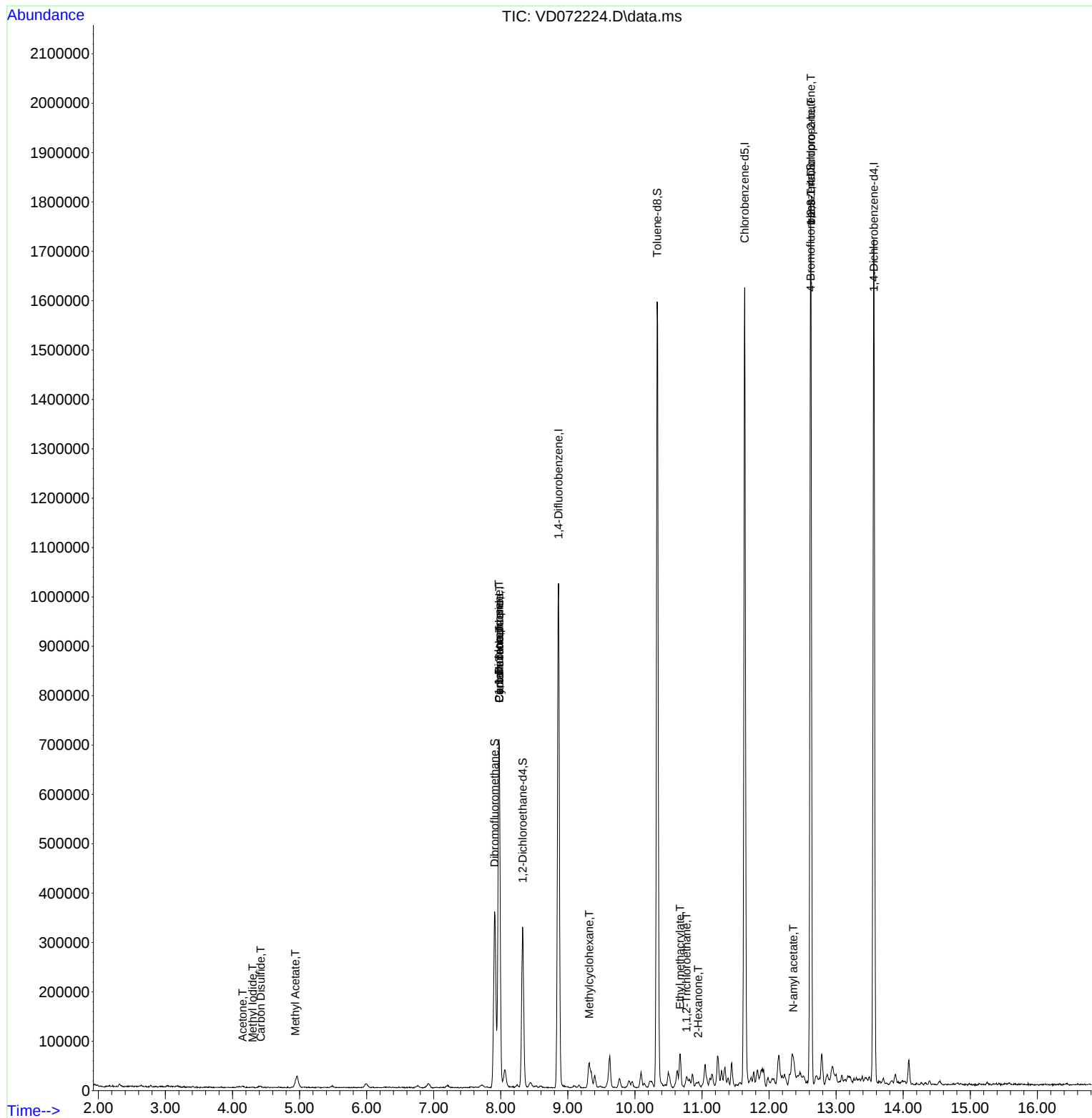
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 533311     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 861781     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 923413     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 456148     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 252455     | 42.476    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 84.960%   |        |          |
| 35) Dibromofluoromethane      | 7.908          | 113  | 260538     | 42.962    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 85.920%   |        |          |
| 50) Toluene-d8                | 10.332         | 98   | 1086907    | 49.016    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 98.040%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 468798     | 54.410    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 108.820%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 10) Methyl Iodide             | 4.303          | 142  | 1199       | 2.437     | ug/l # | 98       |
| 16) Acetone                   | 4.150          | 43   | 2439       | 1.890     | ug/l   | 94       |
| 17) Carbon Disulfide          | 4.420          | 76   | 5638       | 1.979     | ug/l   | 99       |
| 18) Methyl Acetate            | 4.938          | 43   | 3284       | 1.038     | ug/l # | 55       |
| 20) Methylene Chloride        | 4.956          | 84   | 13279      | Below Cal | #      | 76       |
| 31) Cyclohexane               | 7.979          | 56   | 13453      | 1.449     | ug/l # | 31       |
| 36) 1,1-Dichloropropene       | 7.973          | 75   | 41373      | 4.863     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.979          | 117  | 53773      | 5.560     | ug/l # | 17       |
| 39) Methylcyclohexane         | 9.320          | 83   | 11123      | 1.162     | ug/l # | 42       |
| 55) 1,1,2-Trichloroethane     | 10.767         | 97   | 6658       | 1.335     | ug/l # | 24       |
| 56) Ethyl methacrylate        | 10.673         | 69   | 6141       | 1.051     | ug/l # | 18       |
| 59) 2-Hexanone                | 10.943         | 43   | 5904       | 2.250     | ug/l # | 27       |
| 74) N-amyl acetate            | 12.361         | 43   | 15610      | 2.009     | ug/l # | 72       |
| 76) 1,2,3-Trichloropropane    | 12.626         | 75   | 241780     | 48.051    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626         | 75   | 241780     | 119.220   | ug/l # | 7        |
| -----                         |                |      |            |           |        |          |

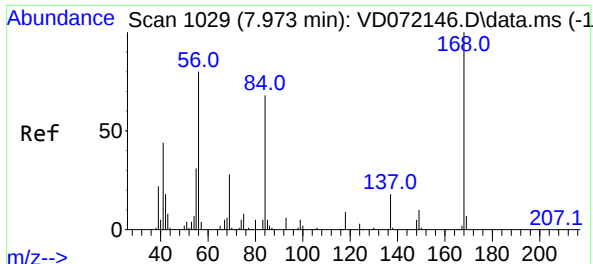
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031622\  
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Sample : N1890-01  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-232

Quant Time: Mar 17 02:27:58 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 14 05:18:06 2022  
Response via : Initial Calibration

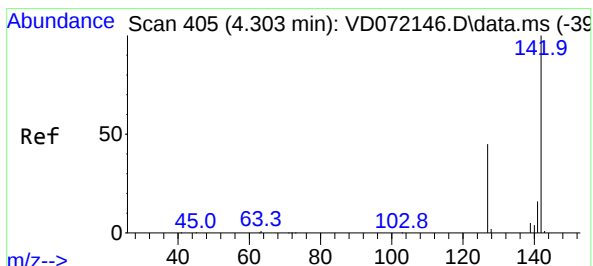
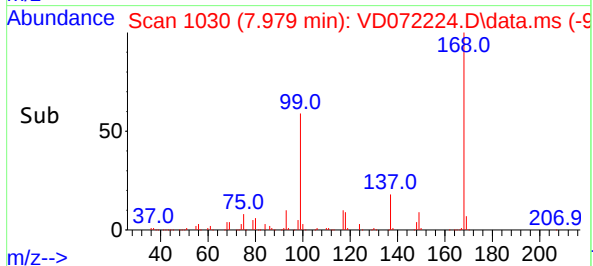
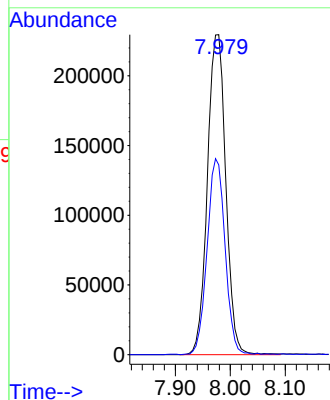
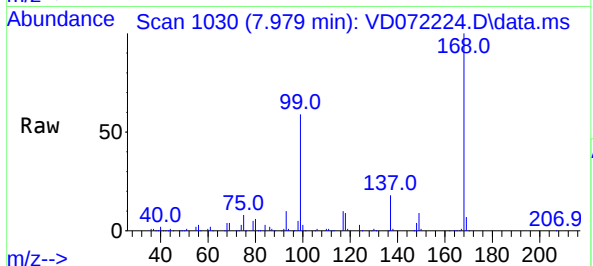




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1029  
Delta R.T. 0.006 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

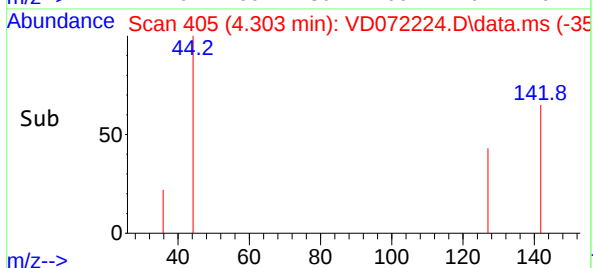
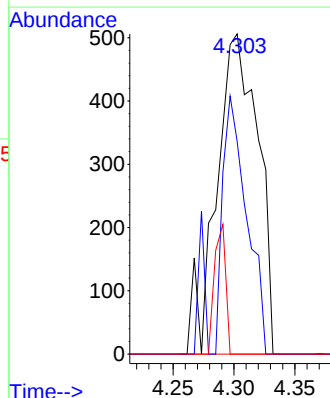
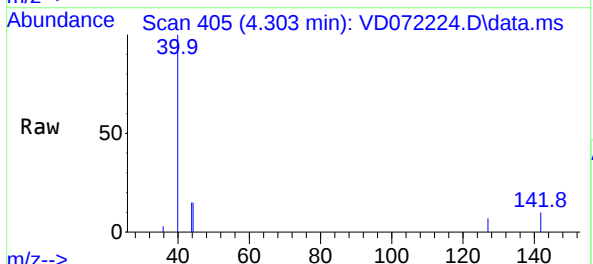
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-232

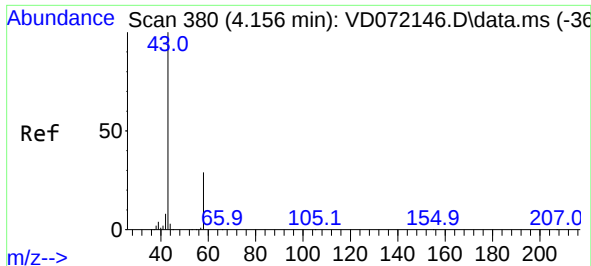
Tgt Ion:168 Resp: 533311  
Ion Ratio Lower Upper  
168 100  
99 59.3 49.8 74.6



#10  
Methyl Iodide  
Concen: 2.437 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

Tgt Ion:142 Resp: 1199  
Ion Ratio Lower Upper  
142 100  
127 46.8 37.3 55.9  
141 10.8 11.7 17.5#

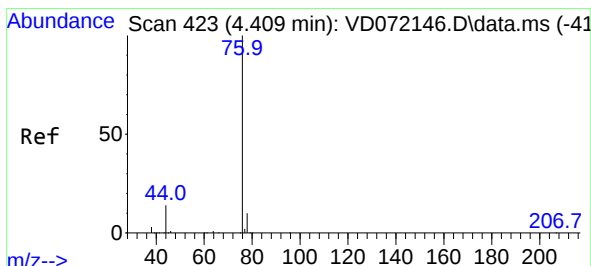
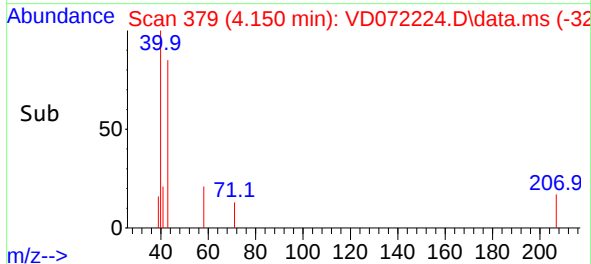
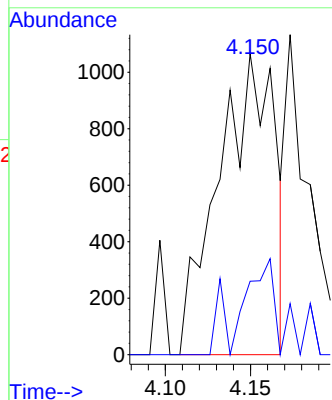
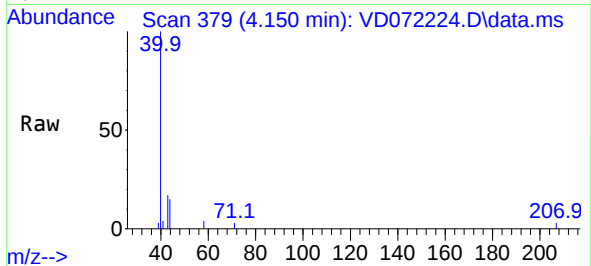




#16  
Acetone  
Concen: 1.890 ug/l  
RT: 4.150 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

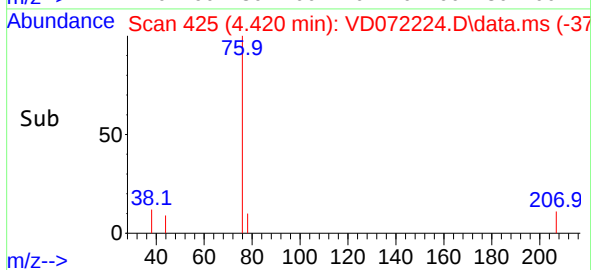
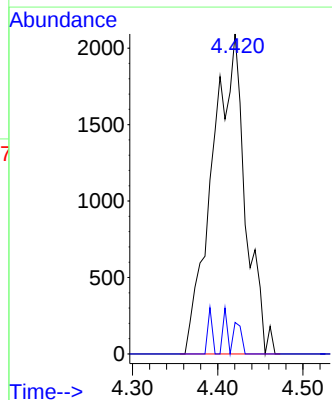
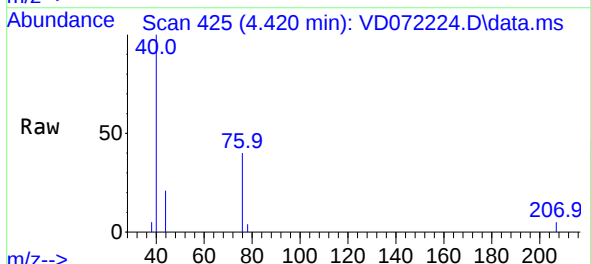
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-232

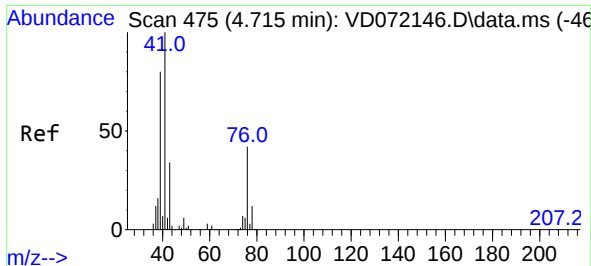
Tgt Ion: 43 Resp: 2439  
Ion Ratio Lower Upper  
43 100  
58 24.4 22.1 33.1



#17  
Carbon Disulfide  
Concen: 1.979 ug/l  
RT: 4.420 min Scan# 425  
Delta R.T. 0.011 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

Tgt Ion: 76 Resp: 5638  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.5 11.3

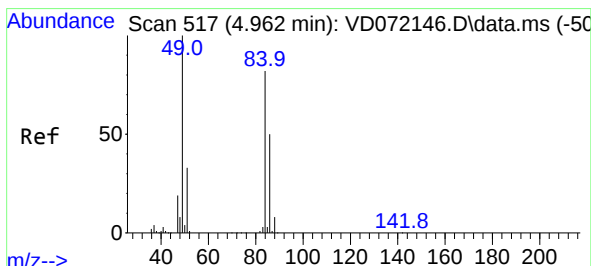
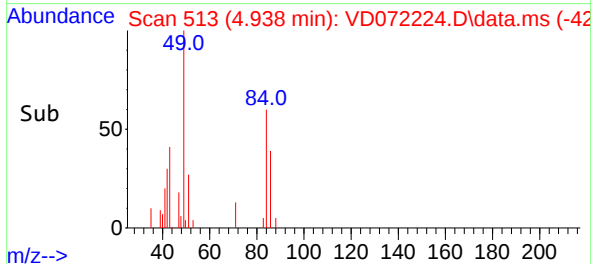
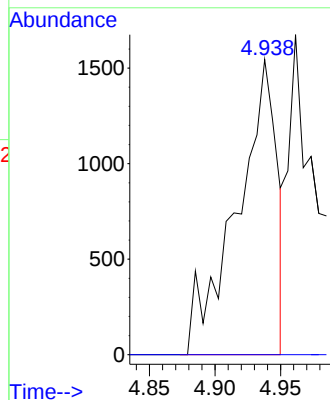
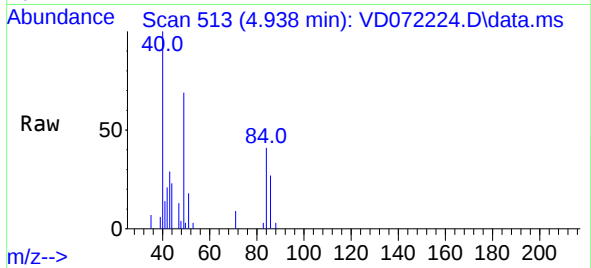




#18  
Methyl Acetate  
Concen: 1.038 ug/l  
RT: 4.938 min Scan# 516  
Delta R.T. 0.223 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

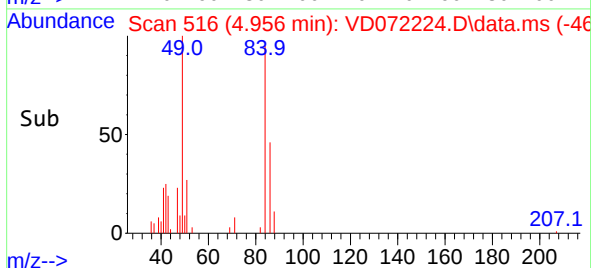
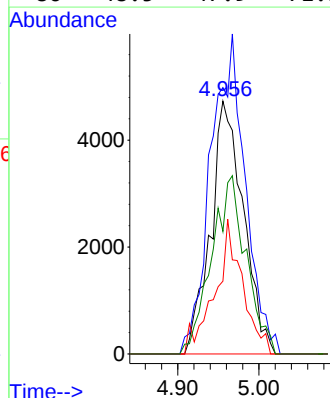
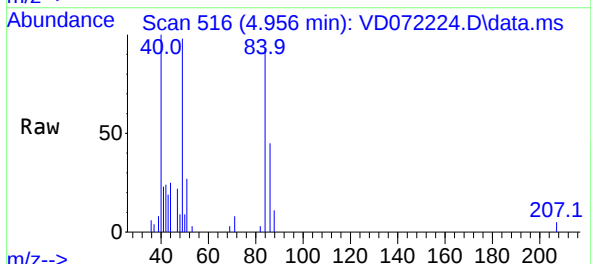
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-232

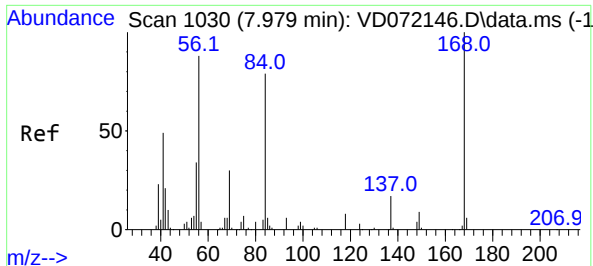
Tgt Ion: 43 Resp: 3284  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.7 25.1#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

Tgt Ion: 84 Resp: 13279  
Ion Ratio Lower Upper  
84 100  
49 105.4 112.8 169.2#  
51 28.8 32.6 48.8#  
86 48.5 47.9 71.9

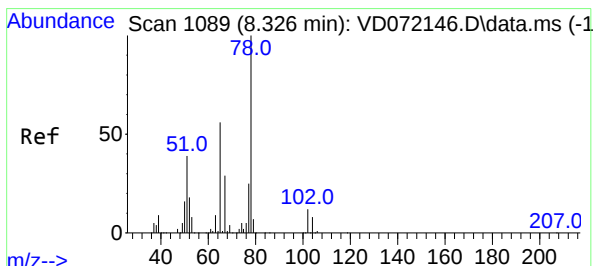
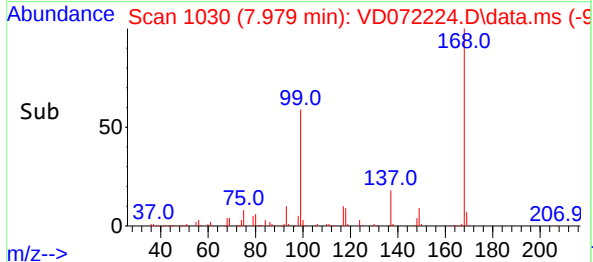
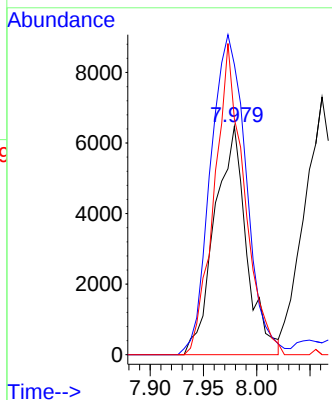
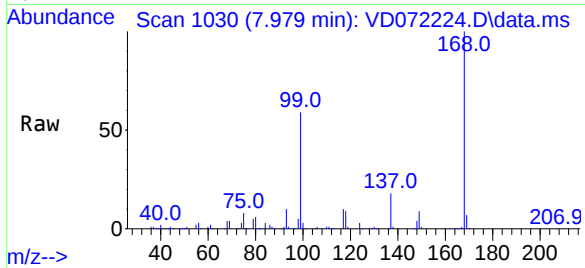




#31  
Cyclohexane  
Concen: 1.449 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

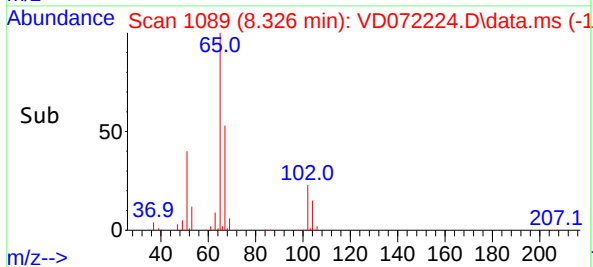
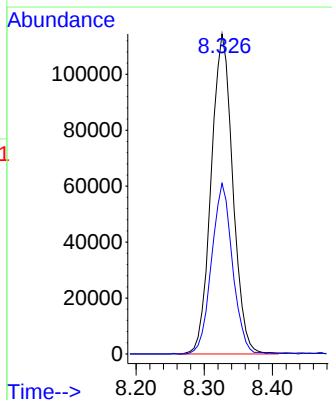
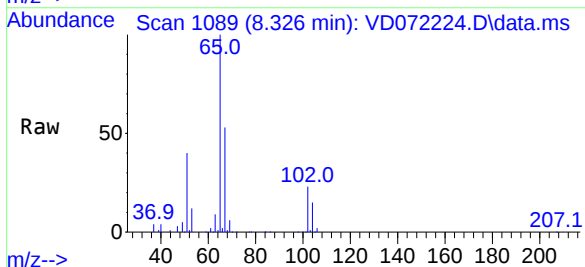
Instrument :  
MSVOA\_D  
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VNJ-232

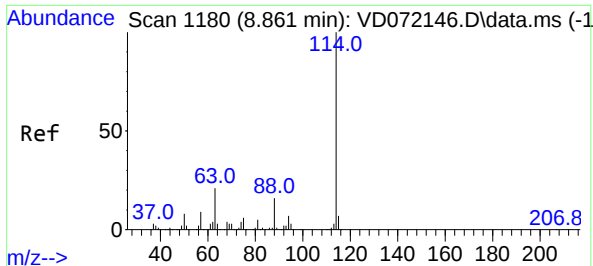
Tgt Ion: 56 Resp: 13453  
Ion Ratio Lower Upper  
56 100  
69 127.1 25.4 38.2#  
84 103.4 63.0 94.4#



#33  
1,2-Dichloroethane-d4  
Concen: 42.476 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

Tgt Ion: 65 Resp: 252455  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072224.D

Acq: 16 Mar 2022 17:59

Instrument :

MSVOA\_D

ClientSampleId :

VNJ-232

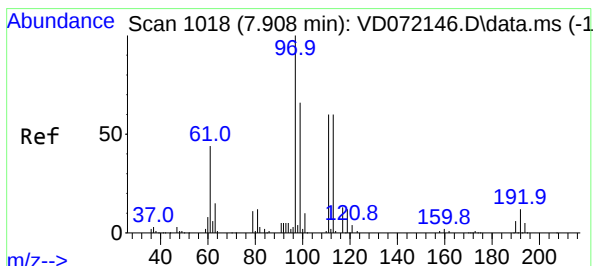
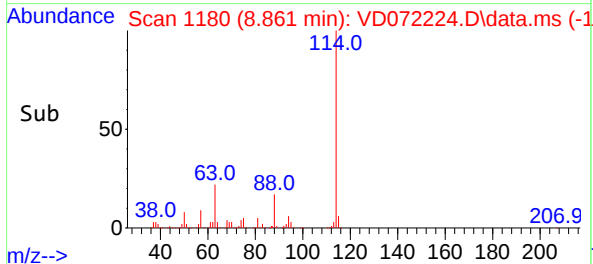
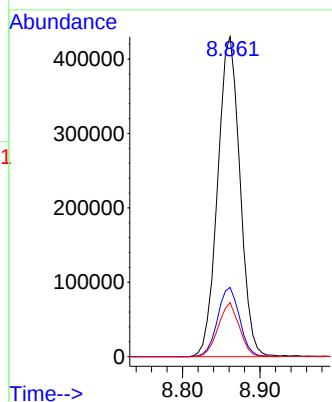
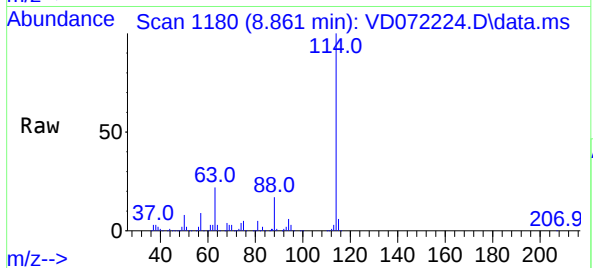
Tgt Ion:114 Resp: 861781

Ion Ratio Lower Upper

114 100

63 21.6 0.0 46.6

88 16.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 42.962 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072224.D

Acq: 16 Mar 2022 17:59

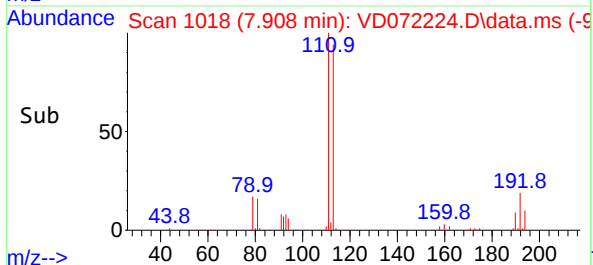
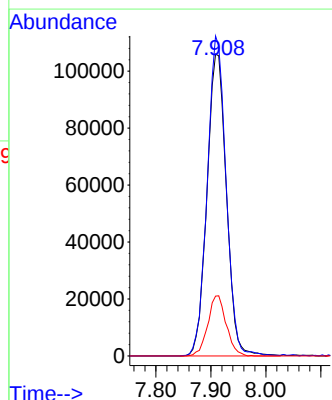
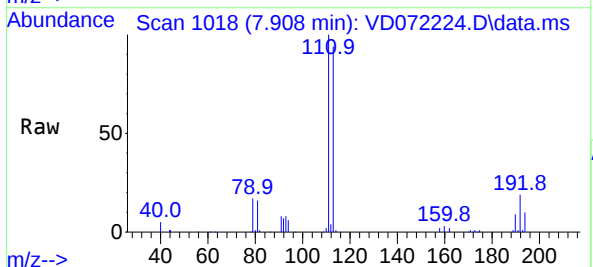
Tgt Ion:113 Resp: 260538

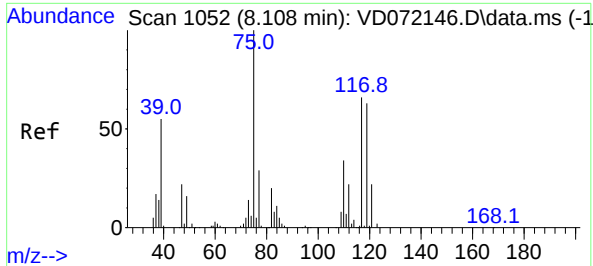
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 18.9 14.6 21.8



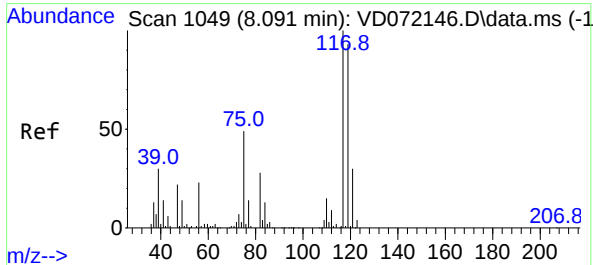
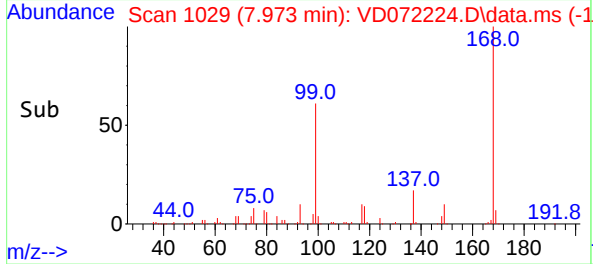
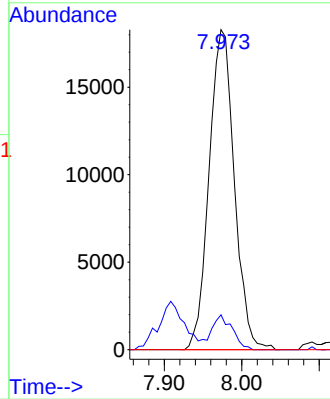
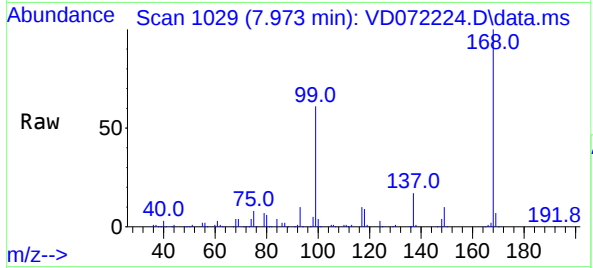


#36  
 1,1-Dichloropropene  
 Concen: 4.863 ug/l  
 RT: 7.973 min Scan# 1029  
 Delta R.T. -0.135 min  
 Lab File: VD072224.D  
 Acq: 16 Mar 2022 17:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-232

Tgt Ion: 75 Resp: 41373

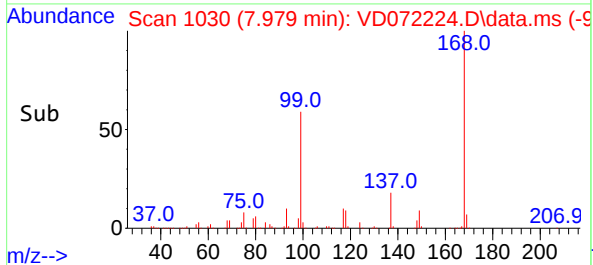
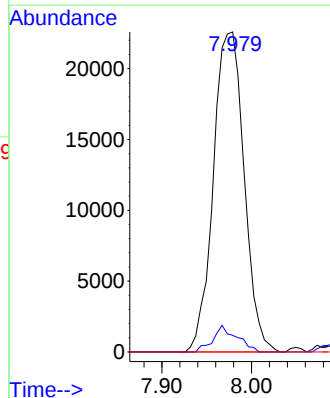
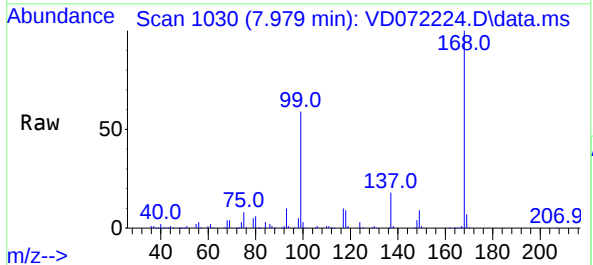
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 8.2   | 16.4  | 49.1# |
| 77  | 0.0   | 24.2  | 36.2# |

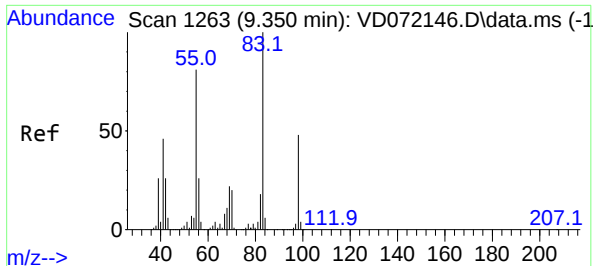


#38  
 Carbon Tetrachloride  
 Concen: 5.560 ug/l  
 RT: 7.979 min Scan# 1030  
 Delta R.T. -0.112 min  
 Lab File: VD072224.D  
 Acq: 16 Mar 2022 17:59

Tgt Ion: 117 Resp: 53773

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 117 | 100   |       |        |
| 119 | 5.2   | 75.8  | 113.6# |
| 121 | 0.0   | 24.5  | 36.7#  |





#39

Methylcyclohexane

Concen: 1.162 ug/l

RT: 9.320 min Scan# 11

Delta R.T. -0.030 min

Lab File: VD072224.D

Acq: 16 Mar 2022 17:59

Instrument :

MSVOA\_D

ClientSampleId :

VNJ-232

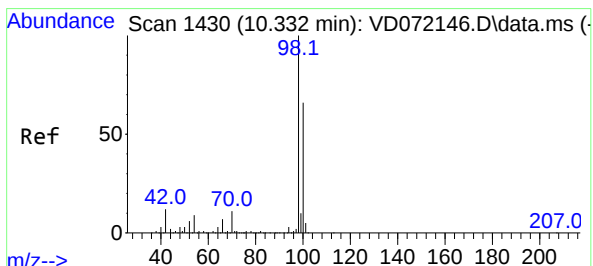
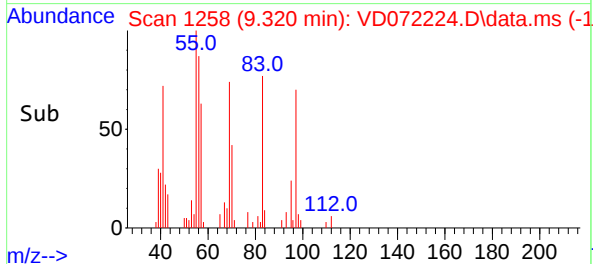
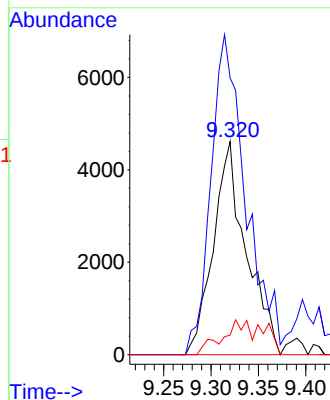
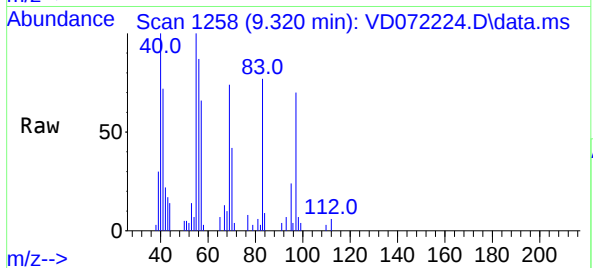
Tgt Ion: 83 Resp: 11123

Ion Ratio Lower Upper

83 100

55 129.8 63.2 94.8#

98 9.2 38.2 57.4#



#50

Toluene-d8

Concen: 49.016 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072224.D

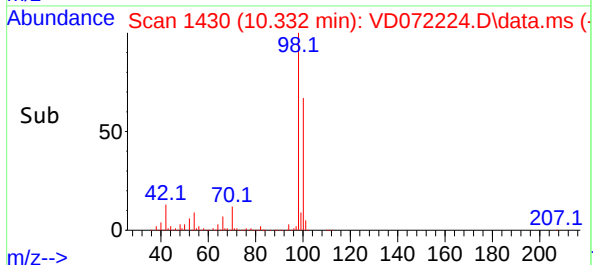
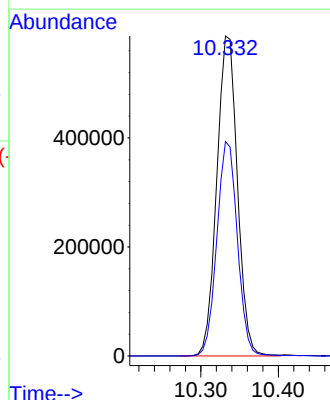
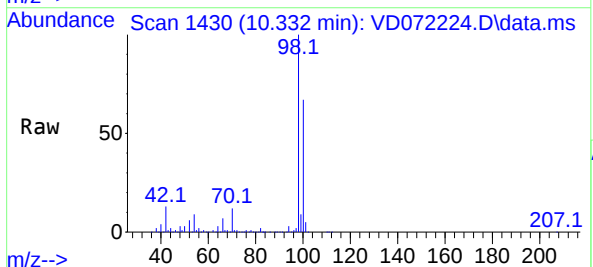
Acq: 16 Mar 2022 17:59

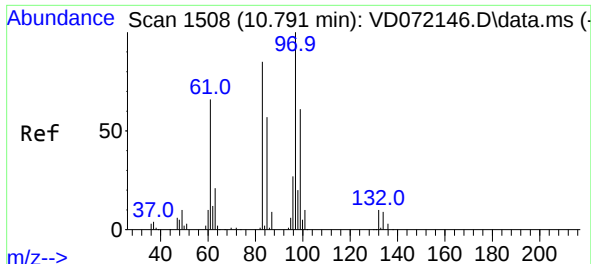
Tgt Ion: 98 Resp: 1086907

Ion Ratio Lower Upper

98 100

100 66.6 52.4 78.6

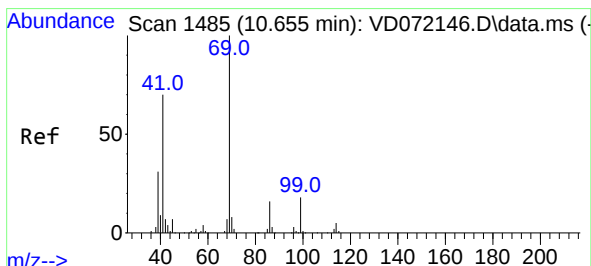
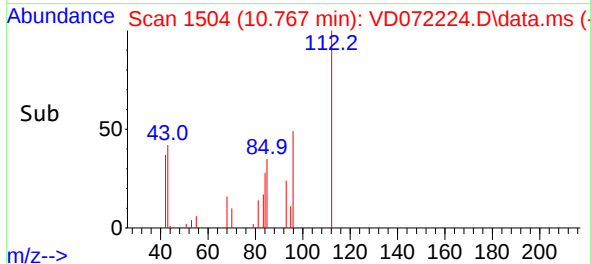
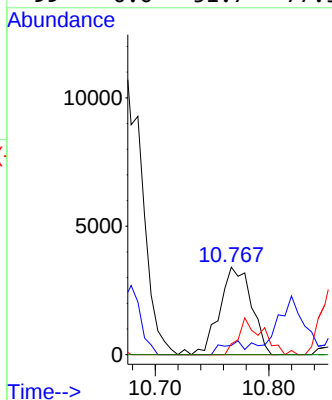
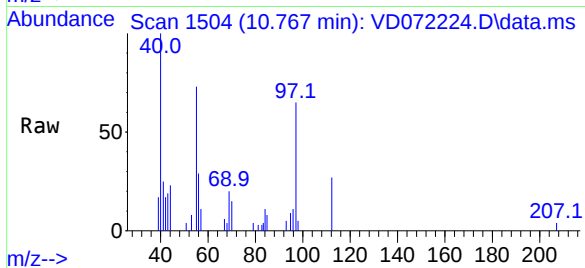




#55  
1,1,2-Trichloroethane  
Concen: 1.335 ug/l  
RT: 10.767 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

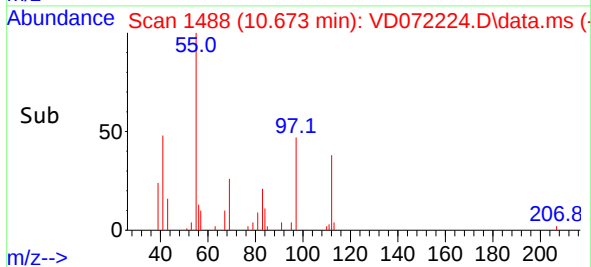
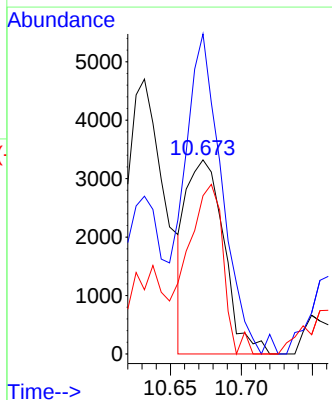
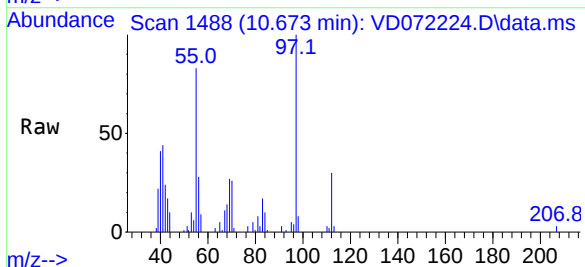
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-232

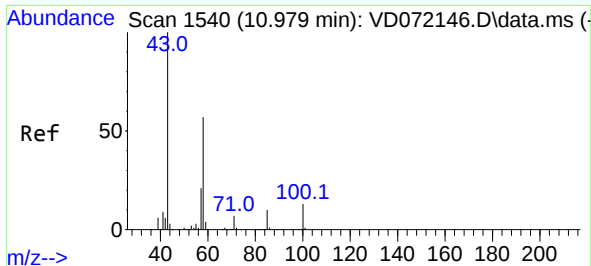
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 6658   |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 10.6  | 69.0  | 103.4# |
| 85       | 12.4  | 42.6  | 63.8#  |
| 99       | 0.0   | 51.7  | 77.5#  |



#56  
Ethyl methacrylate  
Concen: 1.051 ug/l  
RT: 10.673 min Scan# 1488  
Delta R.T. 0.018 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 6141  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 159.0 | 63.0  | 94.6# |
| 39       | 82.0  | 33.8  | 50.8# |

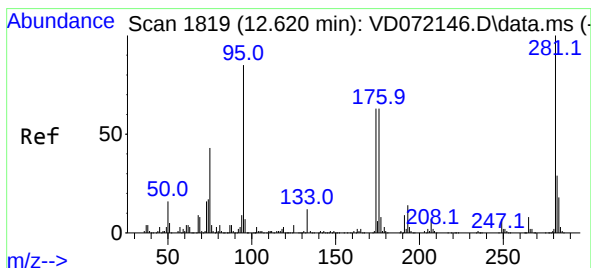
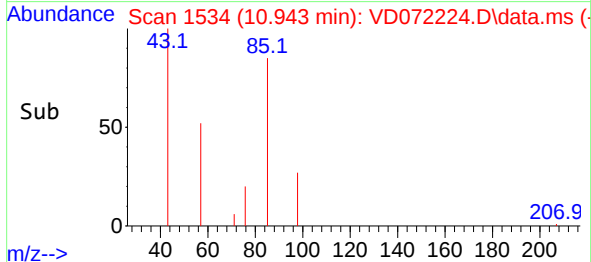
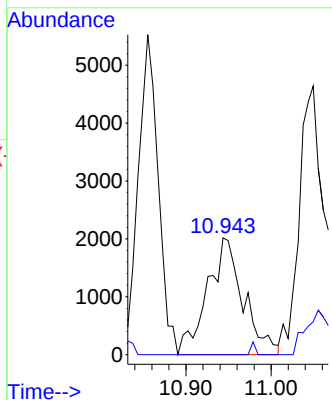
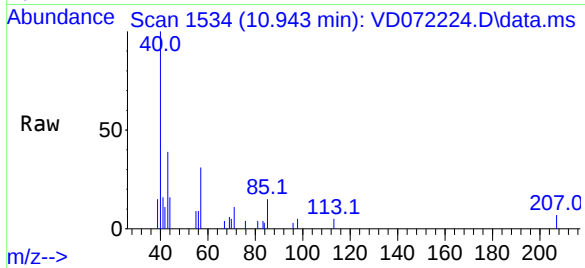




#59  
2-Hexanone  
Concen: 2.250 ug/l  
RT: 10.943 min Scan# 11  
Delta R.T. -0.035 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

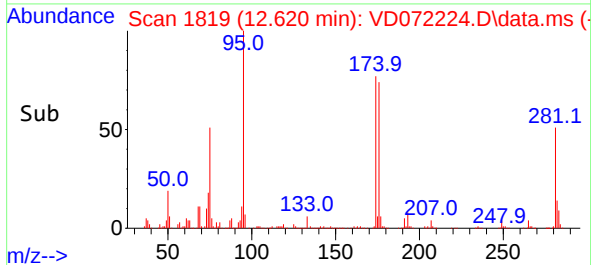
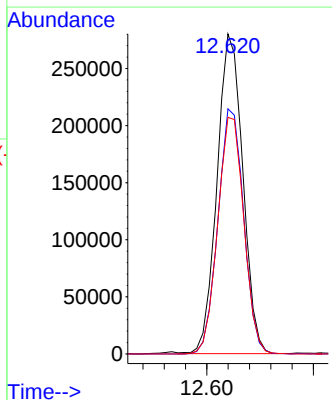
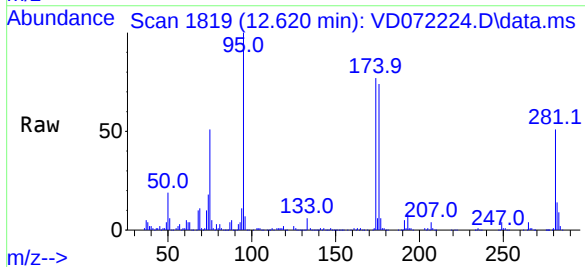
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-232

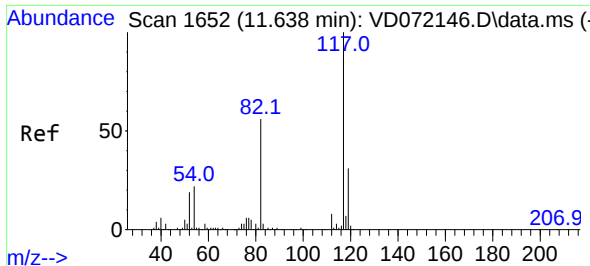
Tgt Ion: 43 Resp: 5904  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.3 75.9#



#62  
4-Bromofluorobenzene  
Concen: 54.410 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

Tgt Ion: 95 Resp: 468798  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 152.8  
176 75.2 0.0 145.4

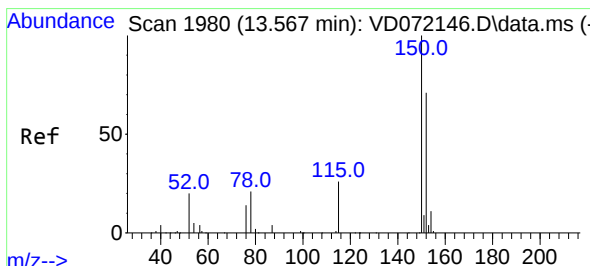
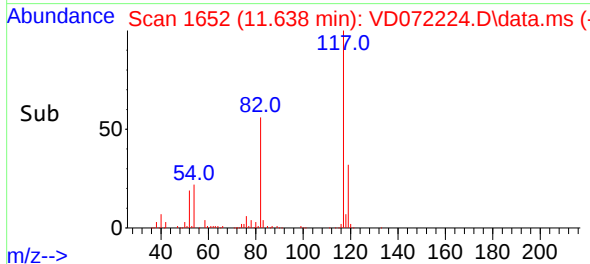
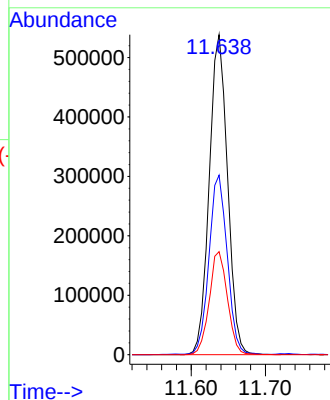
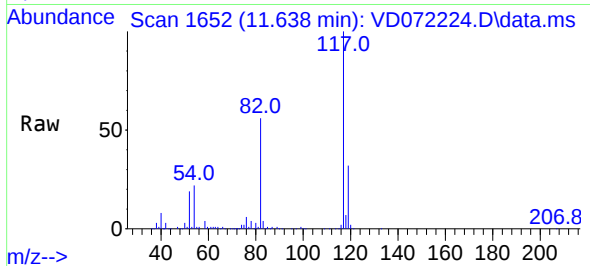




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

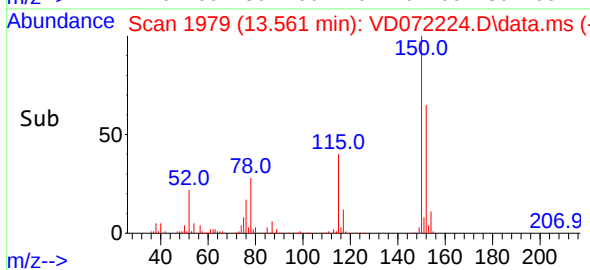
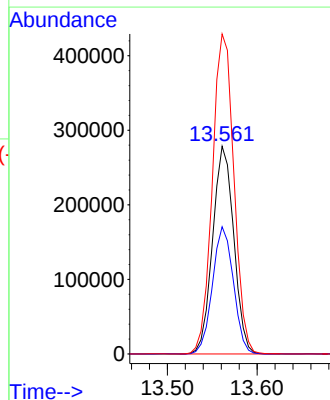
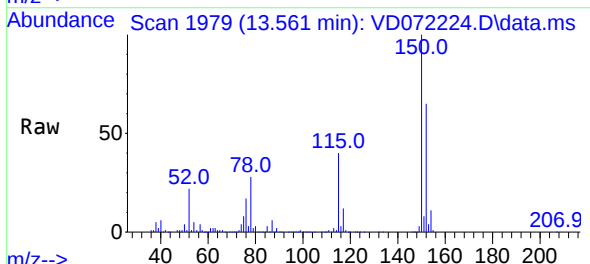
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-232

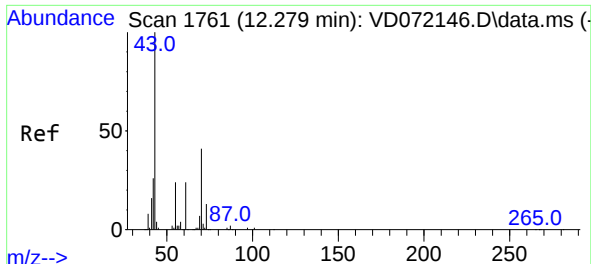
Tgt Ion:117 Resp: 923413  
Ion Ratio Lower Upper  
117 100  
82 56.0 45.3 67.9  
119 32.2 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

Tgt Ion:152 Resp: 456148  
Ion Ratio Lower Upper  
152 100  
115 60.6 31.3 93.8  
150 157.0 0.0 348.6

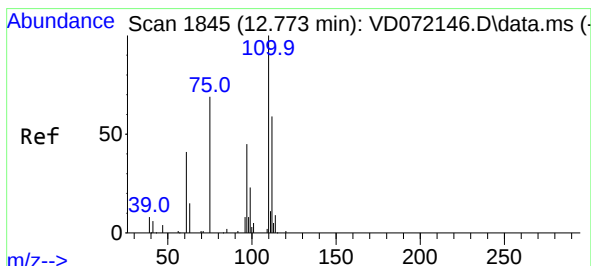
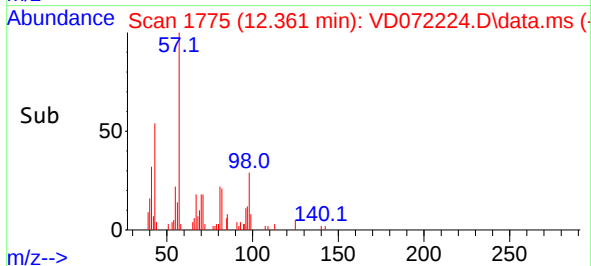
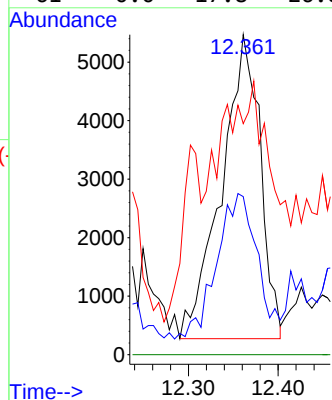
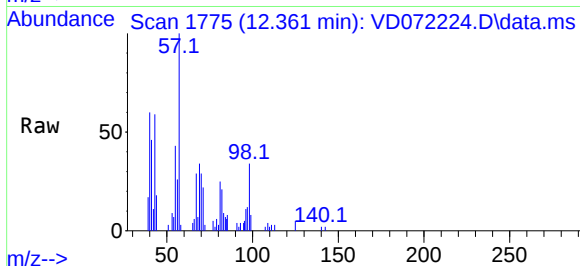




#74  
N-amy1 acetate  
Concen: 2.009 ug/l  
RT: 12.361 min Scan# 11  
Delta R.T. 0.082 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

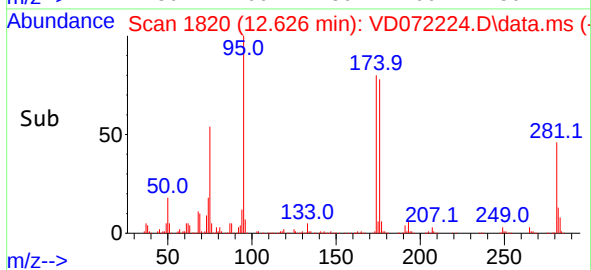
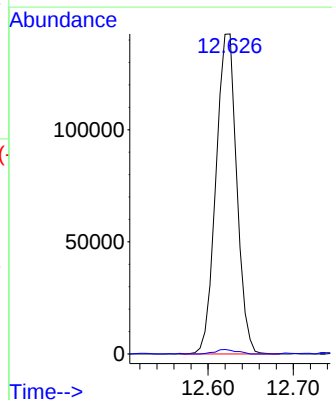
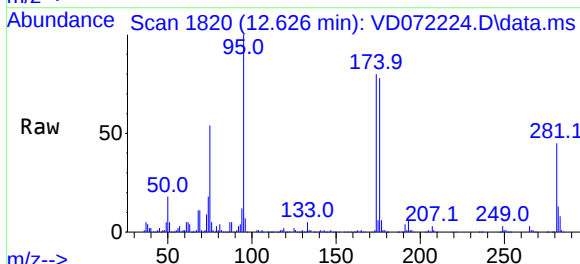
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-232

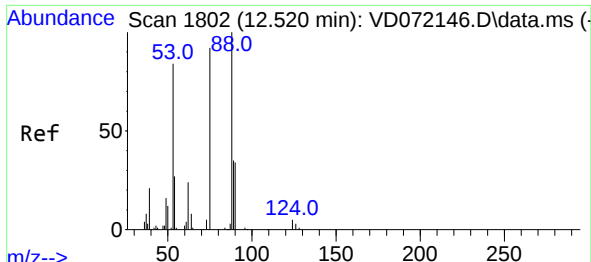
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 15610 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 50.0  | 31.3  | 46.9# |
| 55       | 10.4  | 20.0  | 30.0# |
| 61       | 0.0   | 17.8  | 26.8# |



#76  
1,2,3-Trichloropropane  
Concen: 48.051 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD072224.D  
Acq: 16 Mar 2022 17:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 241780 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 1.4   | 0.0   | 0.0#   |





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 119.220 ug/l  
 RT: 12.626 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD072224.D  
 Acq: 16 Mar 2022 17:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-232

Tgt Ion: 75 Resp: 241780  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 86.5 129.7#  
 89 0.0 33.9 50.9#

