

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052422\  
 Data File : VY009074.D  
 Acq On : 24 May 2022 20:00  
 Operator : KP/MD  
 Sample : N2981-07  
 Misc : 2.95g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-12(0.5-1)

Quant Time: May 25 02:57:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

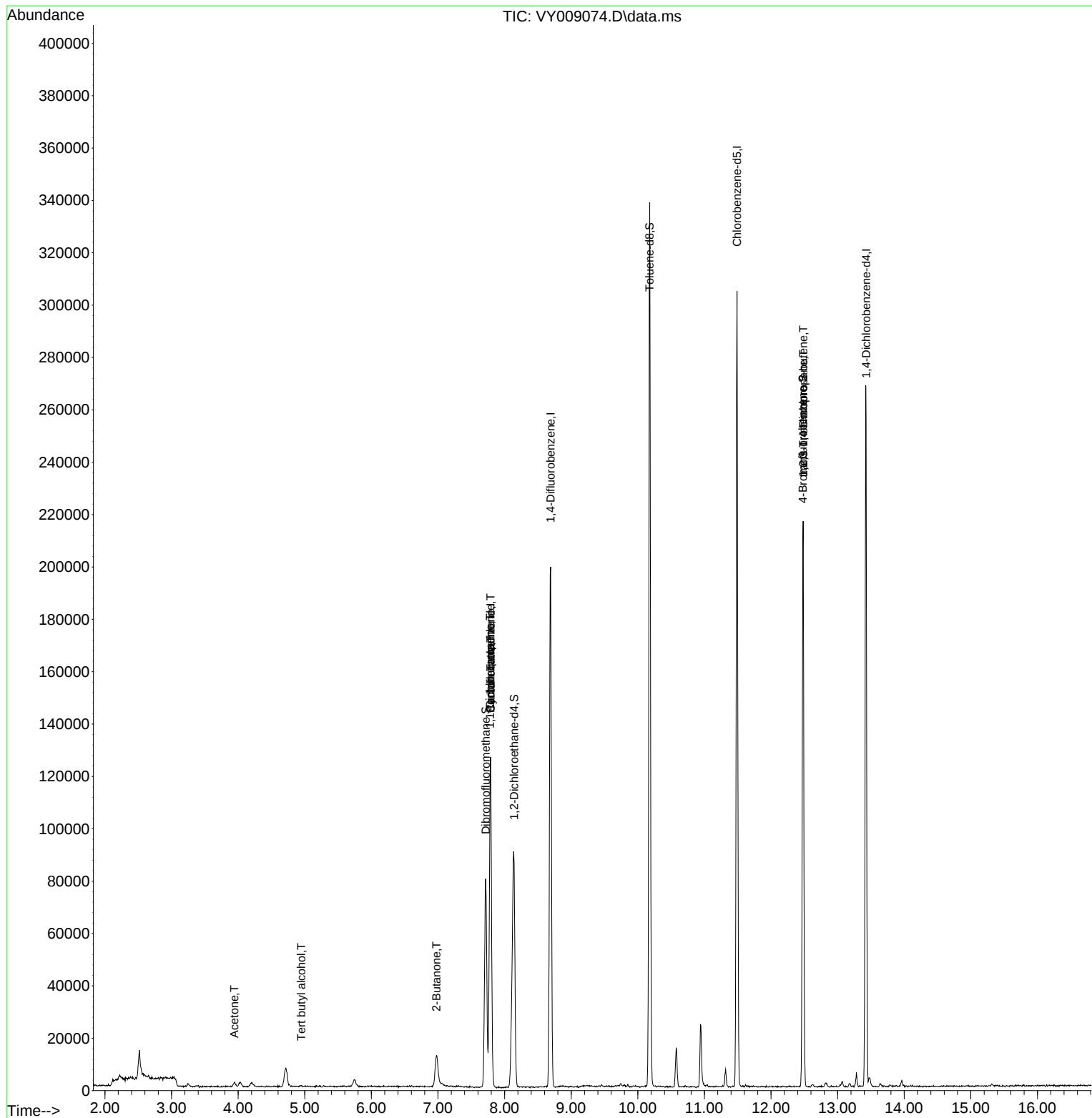
| Compound                      | R.T. QIon |                | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-----------|------------|----------|
| -----                         |           |                |          |           |            |          |
| Internal Standards            |           |                |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168            | 95238    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114            | 169445   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117            | 154722   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152            | 63787    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |                |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65             | 55990    | 57.123    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range 50 - 163 |          | Recovery  | = 114.240% |          |
| 35) Dibromofluoromethane      | 7.716     | 113            | 53640    | 50.907    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range 54 - 147 |          | Recovery  | = 101.820% |          |
| 50) Toluene-d8                | 10.179    | 98             | 208488   | 53.635    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range 49 - 140 |          | Recovery  | = 107.260% |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95             | 55063    | 35.116    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range 25 - 144 |          | Recovery  | = 70.240%  |          |
| Target Compounds              |           |                |          |           |            |          |
|                               |           |                |          |           |            | Qvalue   |
| 11) Tert butyl alcohol        | 4.948     | 59             | 102      | 1.026     | ug/l #     | 77       |
| 16) Acetone                   | 3.942     | 43             | 2545     | 12.474    | ug/l       | 90       |
| 20) Methylene Chloride        | 4.704     | 84             | 5172     | Below Cal | #          | 75       |
| 25) 2-Butanone                | 6.978     | 43             | 663      | 1.819     | ug/l #     | 54       |
| 31) Cyclohexane               | 7.789     | 56             | 2596     | 1.354     | ug/l #     | 30       |
| 36) 1,1-Dichloropropene       | 7.783     | 75             | 7843     | 4.374     | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 7.789     | 117            | 9964     | 5.312     | ug/l #     | 13       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75             | 33056    | 48.257    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75             | 33056    | 99.048    | ug/l #     | 7        |
| -----                         |           |                |          |           |            |          |

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

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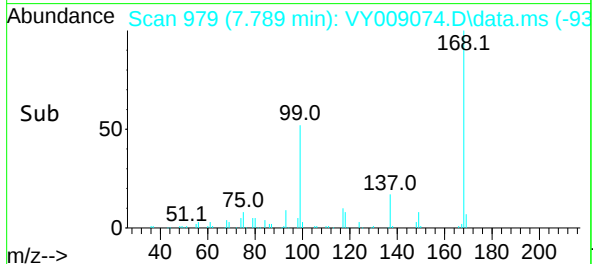
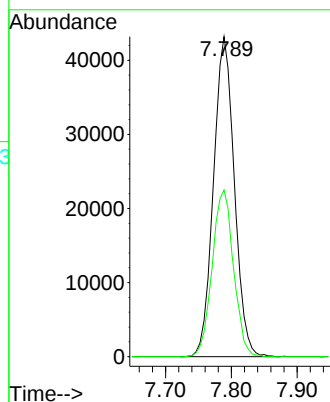
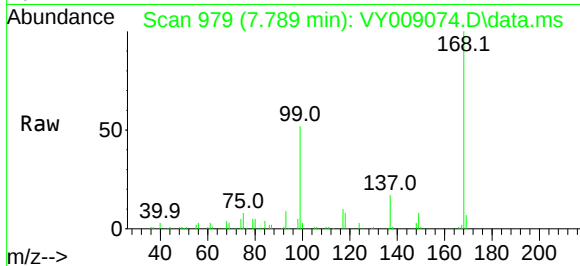




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

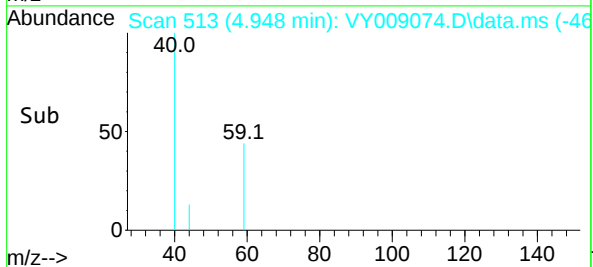
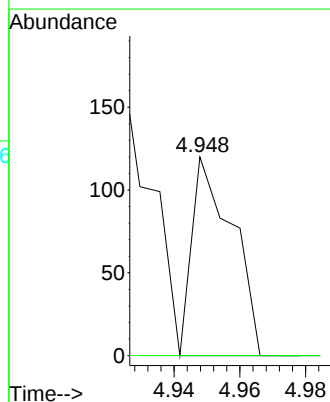
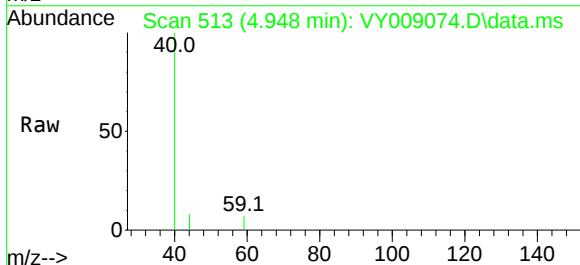
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(0.5-1)

Tgt Ion:168 Resp: 95238  
Ion Ratio Lower Upper  
168 100  
99 52.0 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 1.026 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

Tgt Ion: 59 Resp: 102  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

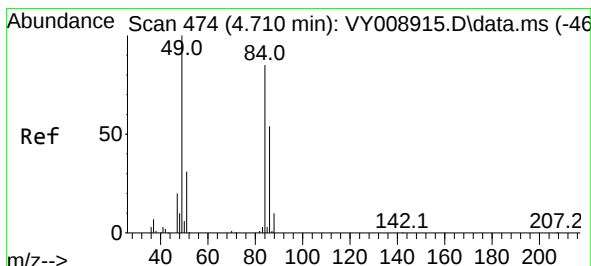
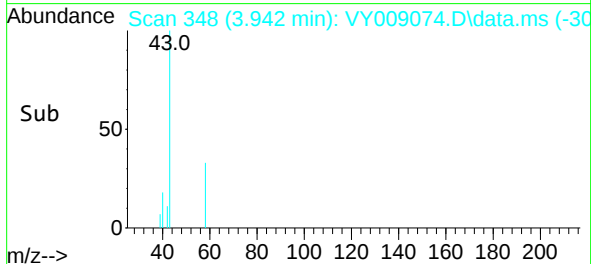
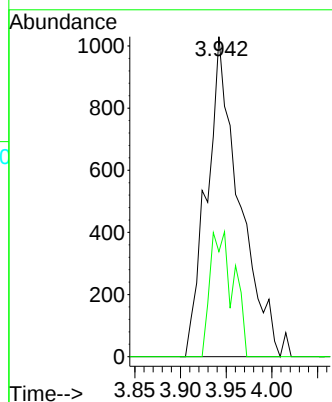
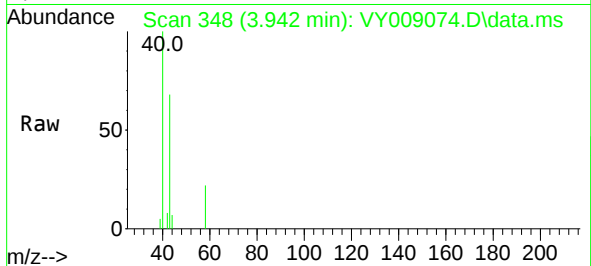




#16  
Acetone  
Concen: 12.474 ug/l  
RT: 3.942 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

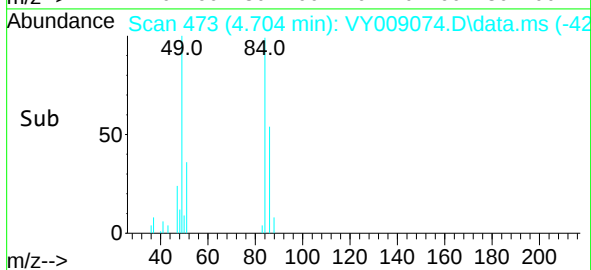
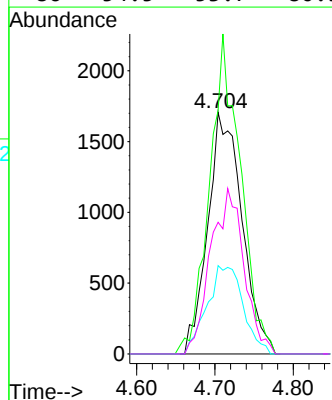
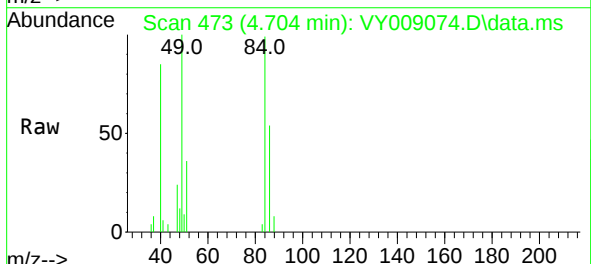
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(0.5-1)

Tgt Ion: 43 Resp: 2545  
Ion Ratio Lower Upper  
43 100  
58 32.8 22.0 33.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 473  
Delta R.T. -0.006 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

Tgt Ion: 84 Resp: 5172  
Ion Ratio Lower Upper  
84 100  
49 100.8 114.4 171.6#  
51 36.6 35.3 52.9  
86 54.5 53.7 80.5





#25

2-Butanone

Concen: 1.819 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY009074.D

Acq: 24 May 2022 20:00

Instrument :

MSVOA\_Y

ClientSampleId :

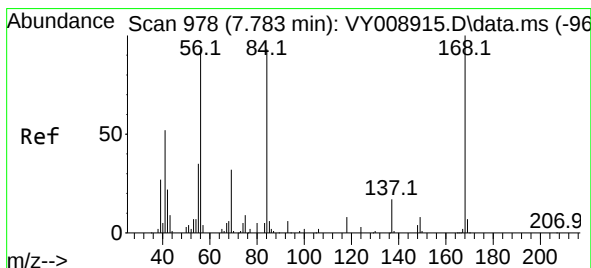
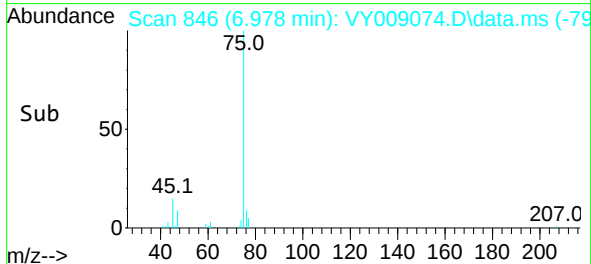
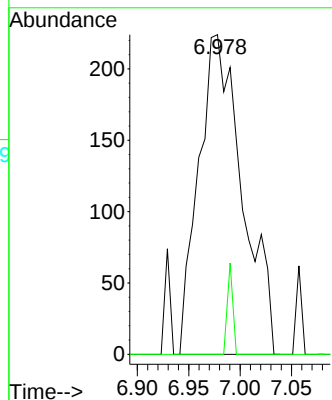
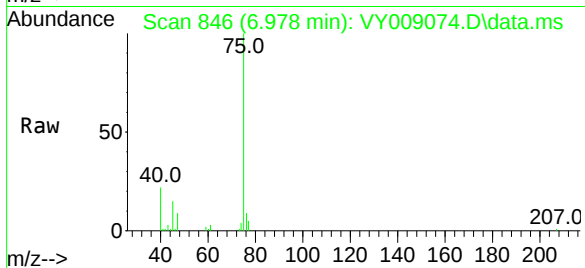
SB-12(0.5-1)

Tgt Ion: 43 Resp: 663

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.354 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY009074.D

Acq: 24 May 2022 20:00

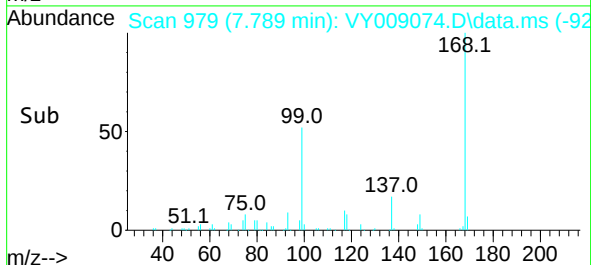
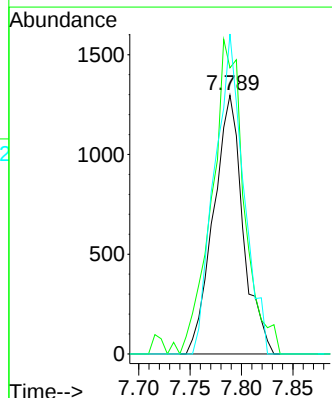
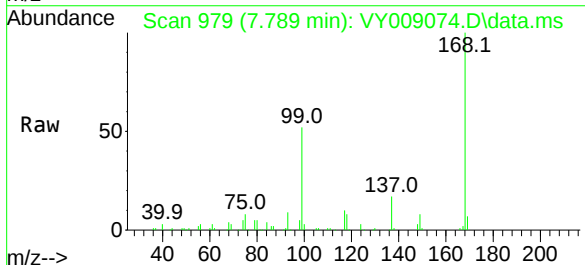
Tgt Ion: 56 Resp: 2596

Ion Ratio Lower Upper

56 100

69 110.6 26.7 40.1#

84 123.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.123 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY009074.D

Acq: 24 May 2022 20:00

Instrument :

MSVOA\_Y

ClientSampleId :

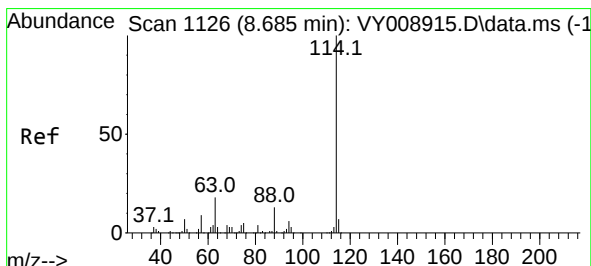
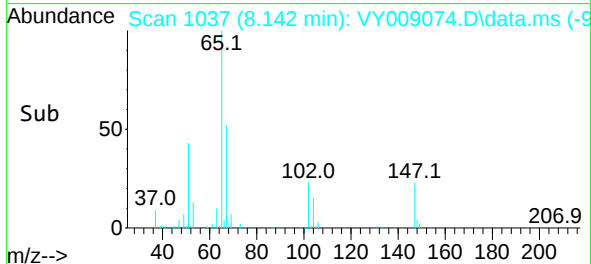
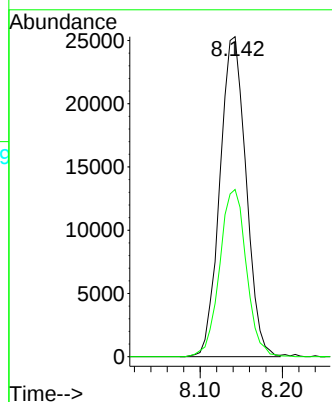
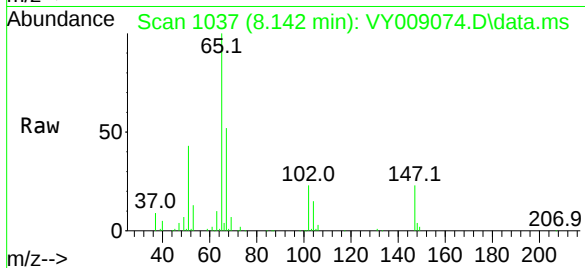
SB-12(0.5-1)

Tgt Ion: 65 Resp: 55990

Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009074.D

Acq: 24 May 2022 20:00

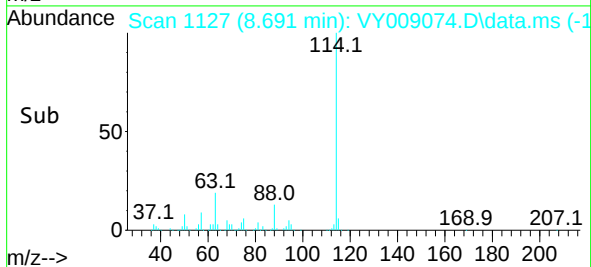
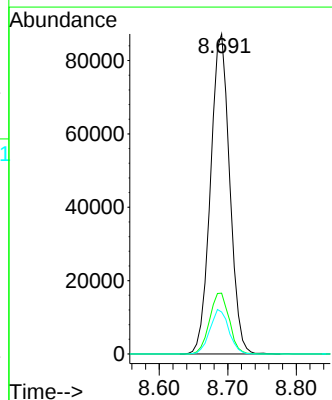
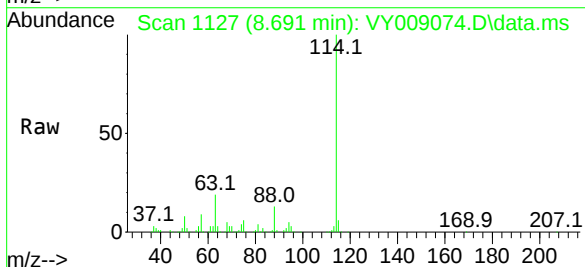
Tgt Ion: 114 Resp: 169445

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 13.1 0.0 31.8

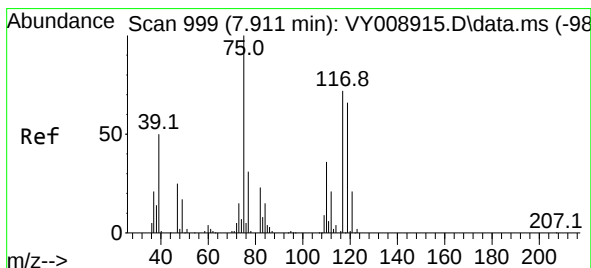
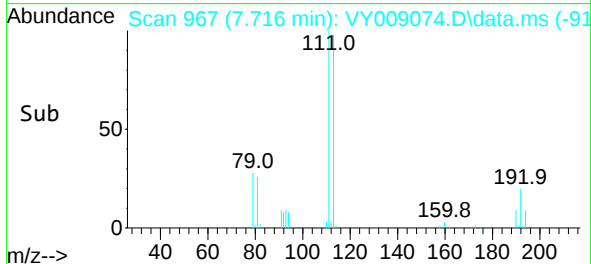
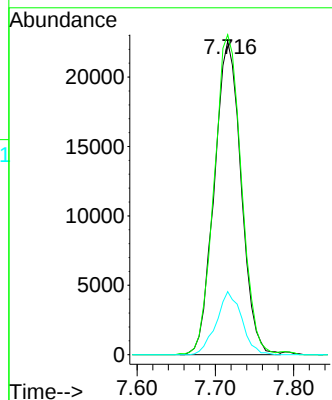
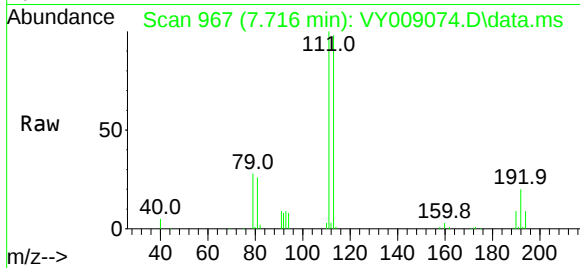




#35  
Dibromofluoromethane  
Concen: 50.907 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

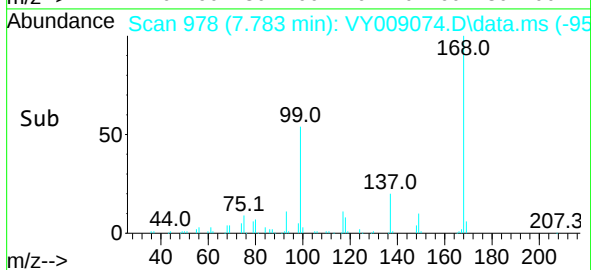
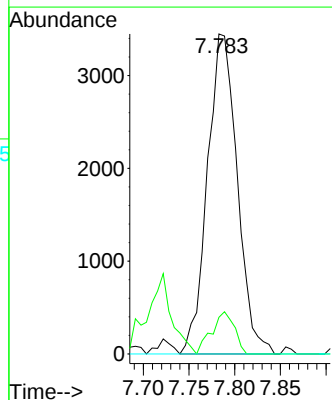
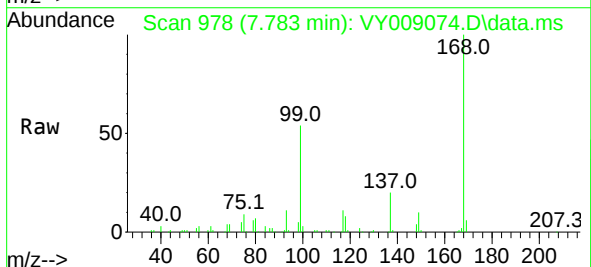
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(0.5-1)

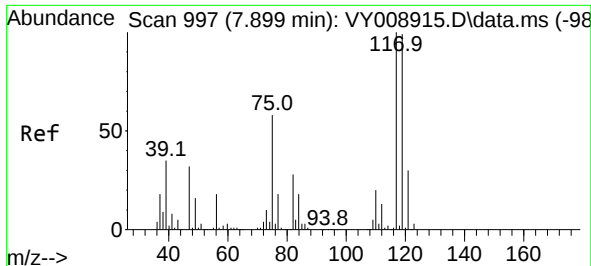
Tgt Ion:113 Resp: 53640  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.6 124.0  
192 19.1 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.374 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

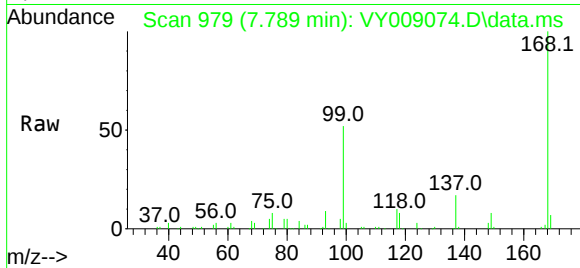
Tgt Ion: 75 Resp: 7843  
Ion Ratio Lower Upper  
75 100  
110 10.1 17.1 51.2#  
77 0.0 24.4 36.6#



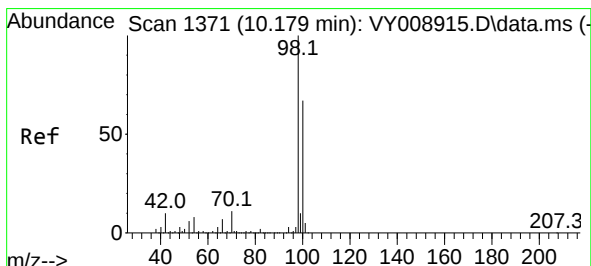
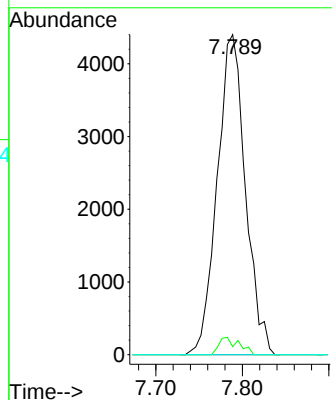
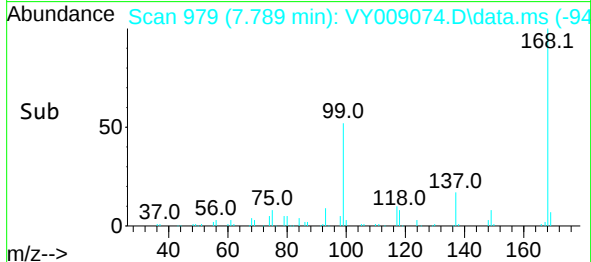


#38  
Carbon Tetrachloride  
Concen: 5.312 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(0.5-1)

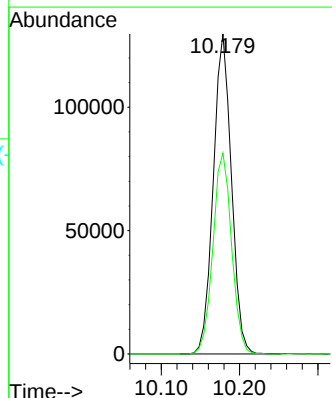
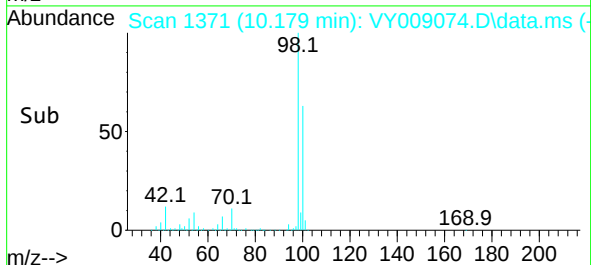
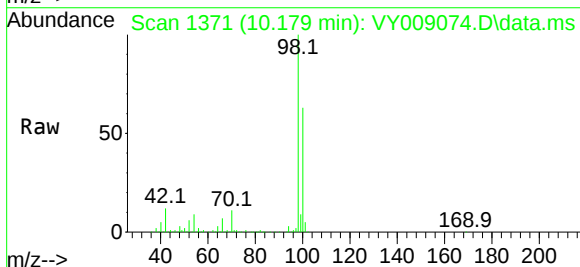


Tgt Ion:117 Resp: 9964  
Ion Ratio Lower Upper  
117 100  
119 2.5 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 53.635 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

Tgt Ion: 98 Resp: 208488  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.2 75.2

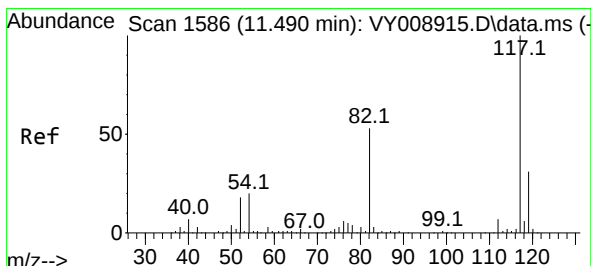
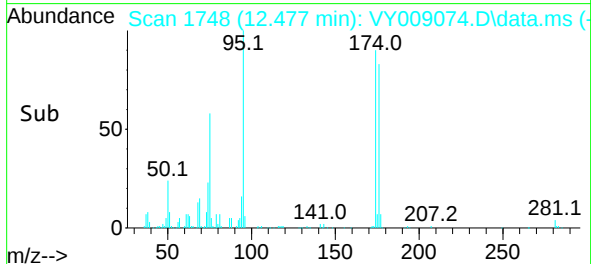
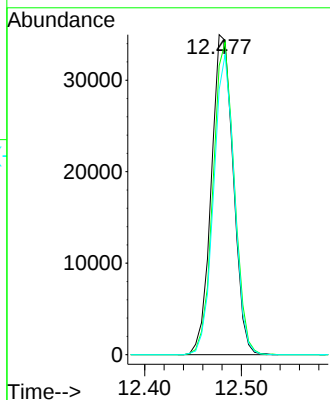
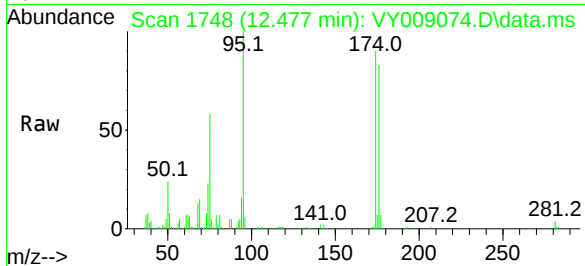




#62  
4-Bromofluorobenzene  
Concen: 35.116 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

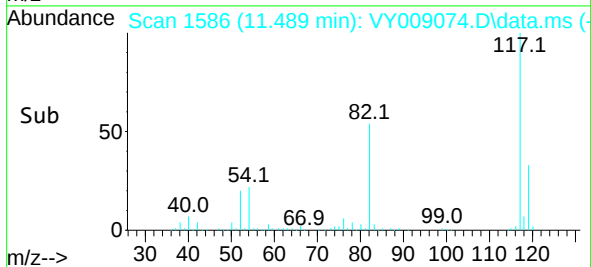
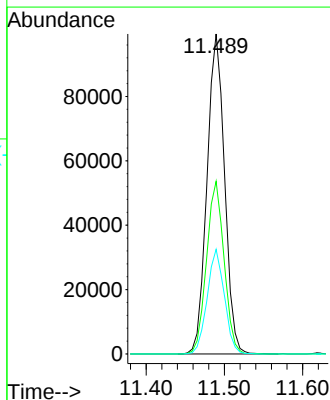
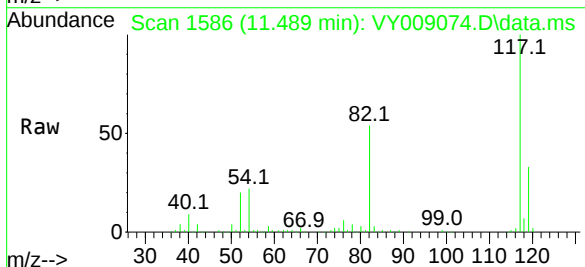
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(0.5-1)

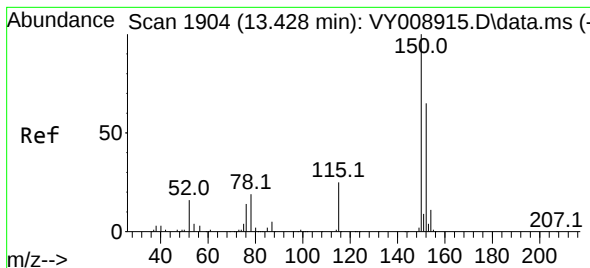
Tgt Ion: 95 Resp: 55063  
Ion Ratio Lower Upper  
95 100  
174 94.5 0.0 177.0  
176 88.4 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

Tgt Ion: 117 Resp: 154722  
Ion Ratio Lower Upper  
117 100  
82 54.0 43.0 64.4  
119 32.7 25.4 38.0

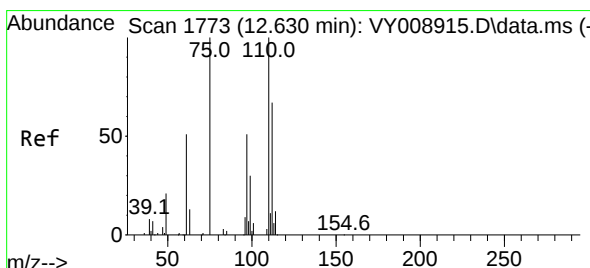
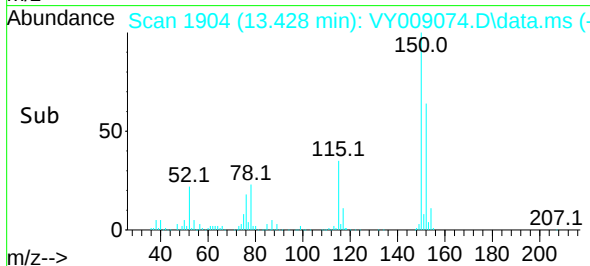
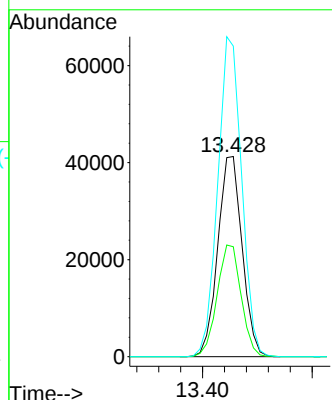
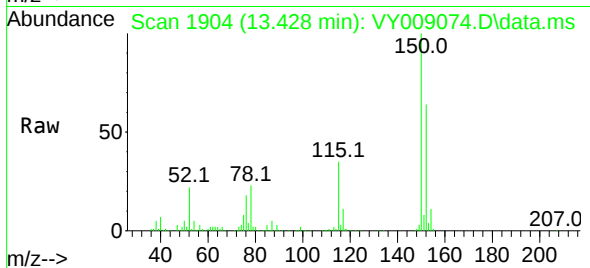




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY009074.D  
 Acq: 24 May 2022 20:00

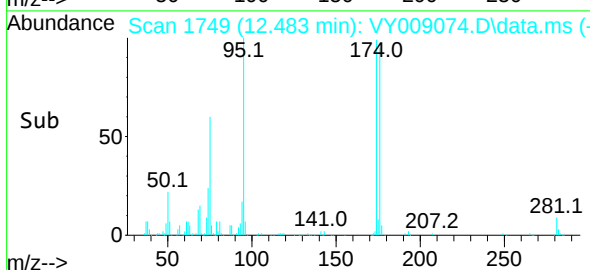
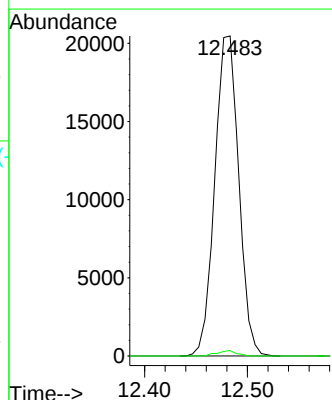
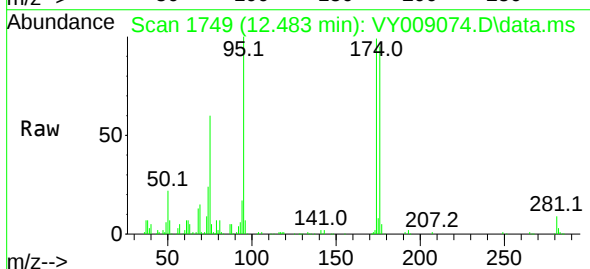
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-12(0.5-1)

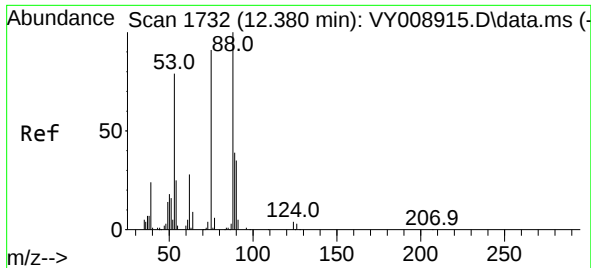
Tgt Ion:152 Resp: 63787  
 Ion Ratio Lower Upper  
 152 100  
 115 55.0 28.2 84.7  
 150 156.6 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 48.257 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.147 min  
 Lab File: VY009074.D  
 Acq: 24 May 2022 20:00

Tgt Ion: 75 Resp: 33056  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 99.048 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.103 min  
 Lab File: VY009074.D  
 Acq: 24 May 2022 20:00

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-12(0.5-1)

Tgt Ion: 75 Resp: 33056  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 85.3 127.9#  
 89 0.4 37.0 55.4#

