

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062922\  
 Data File : VY009387.D  
 Acq On : 29 Jun 2022 20:57  
 Operator : KP/MD  
 Sample : N3488-07  
 Misc : 4.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-11-9.5-11.5-20220623

Quant Time: Jun 30 05:14:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 17:35:34 2022  
 Response via : Initial Calibration

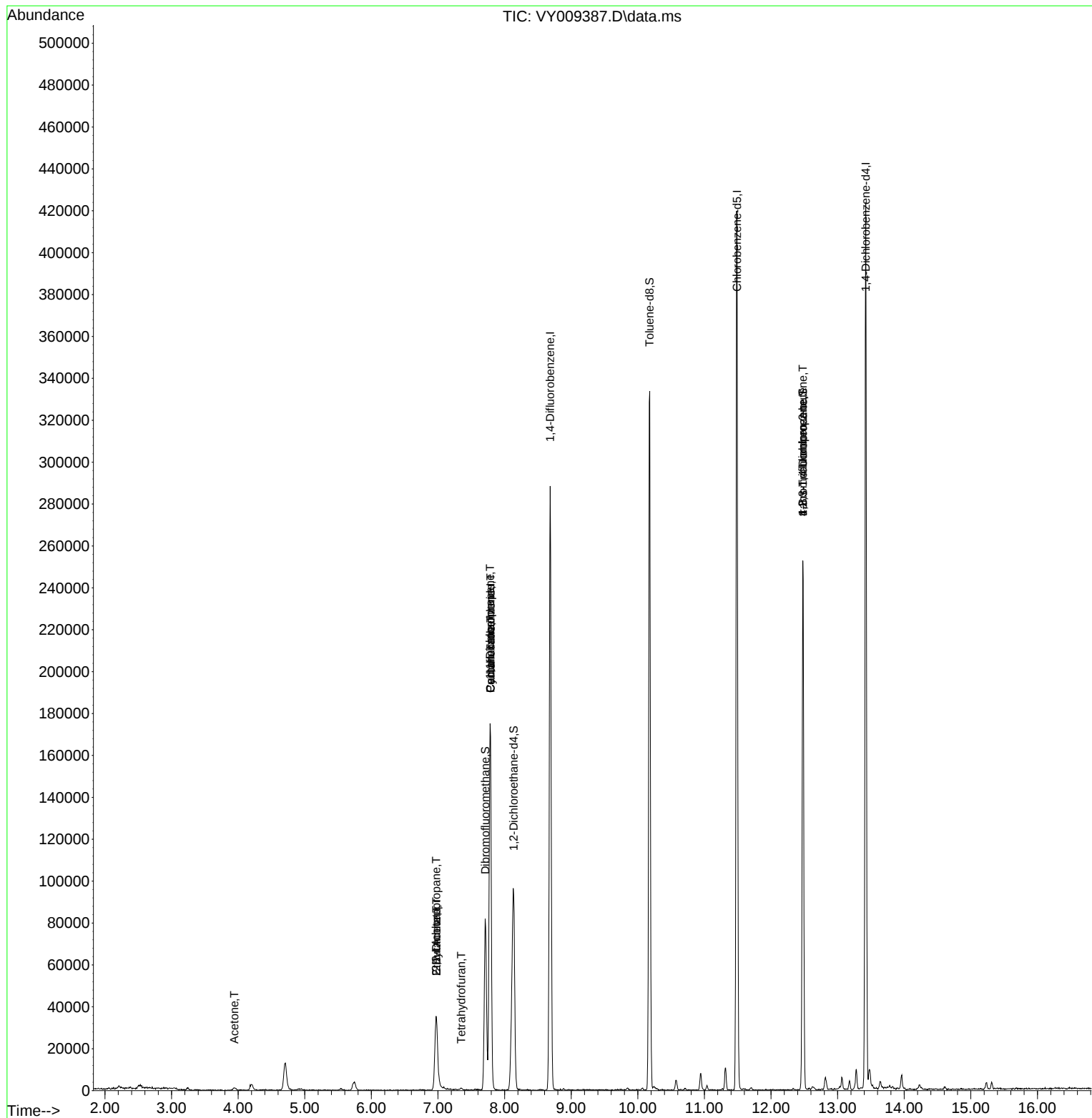
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 139180   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 241080   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 225960   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 105443   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 61608    | 55.265    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 110.520% |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 55336    | 41.705    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 83.400%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 212784   | 52.305    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 104.620% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 69494    | 36.019    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 72.040%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.936  | 59    | 208      | Below Cal | #          | 77       |
| 16) Acetone                   | 3.942  | 43    | 1978     | 5.403     | ug/l       | 94       |
| 18) Methyl Acetate            | 4.472  | 43    | 100      | Below Cal | #          | 16       |
| 20) Methylene Chloride        | 4.704  | 84    | 9573     | Below Cal |            | 86       |
| 25) 2-Butanone                | 6.978  | 43    | 2417     | 4.164     | ug/l       | # 74     |
| 26) 2,2-Dichloropropane       | 6.972  | 77    | 2893     | 1.124     | ug/l       | # 55     |
| 29) Tetrahydrofuran           | 7.350  | 42    | 489      | 1.314     | ug/l       | # 88     |
| 31) Cyclohexane               | 7.789  | 56    | 2881     | 1.149     | ug/l       | # 32     |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 11395    | 4.912     | ug/l       | # 51     |
| 37) Ethyl Acetate             | 6.978  | 43    | 2417     | 1.757     | ug/l       | # 1      |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 13159    | 5.427     | ug/l       | # 15     |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 36316    | 29.410    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 36316    | 65.480    | ug/l       | # 7      |
| -----                         |        |       |          |           |            |          |

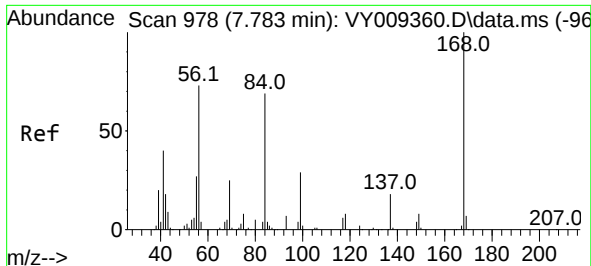
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jun 29 17:35:34 2022  
Response via : Initial Calibration

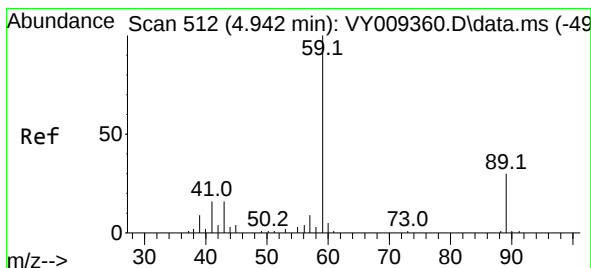
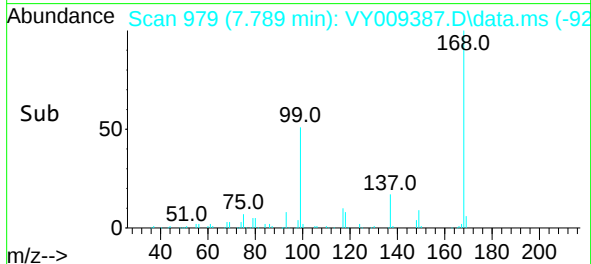
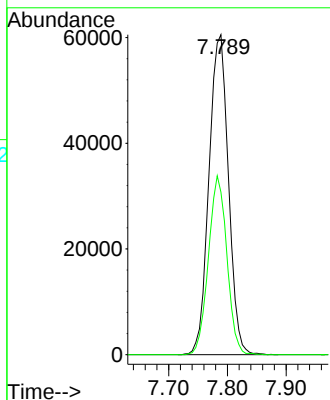
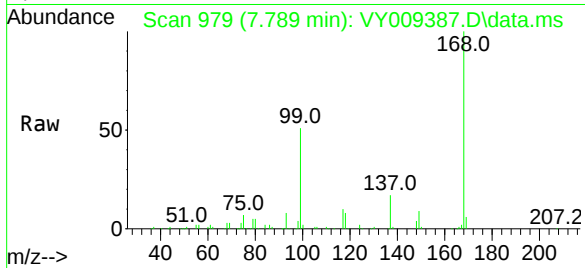




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

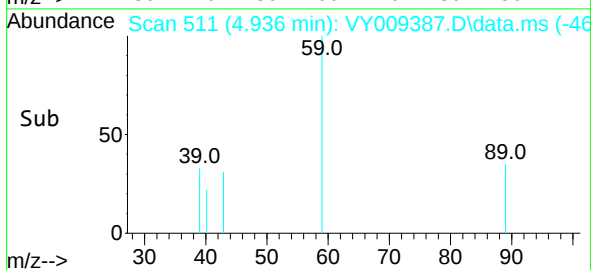
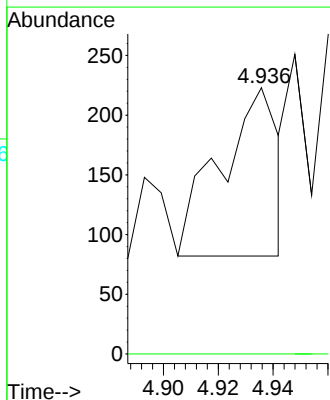
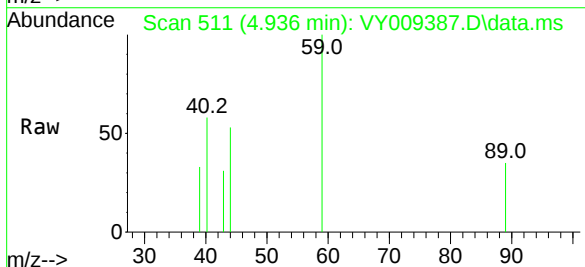
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11-9.5-11.5-20220623

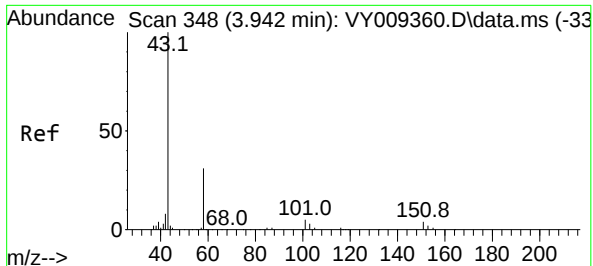
Tgt Ion:168 Resp: 139180  
Ion Ratio Lower Upper  
168 100  
99 50.8 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

Tgt Ion: 59 Resp: 208  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#





#16

Acetone

Concen: 5.403 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY009387.D

Acq: 29 Jun 2022 20:57

Instrument :

MSVOA\_Y

ClientSampleId :

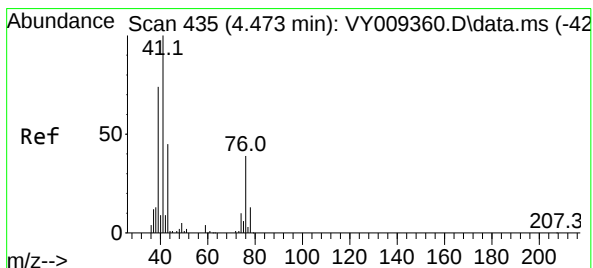
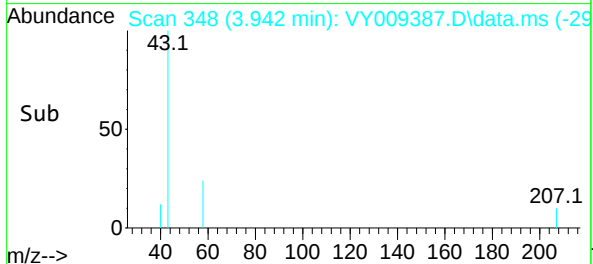
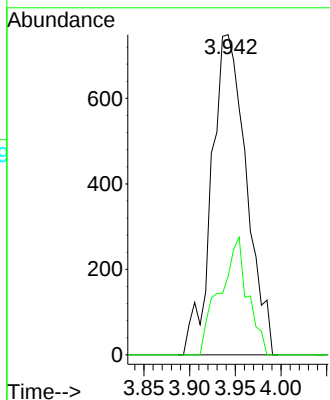
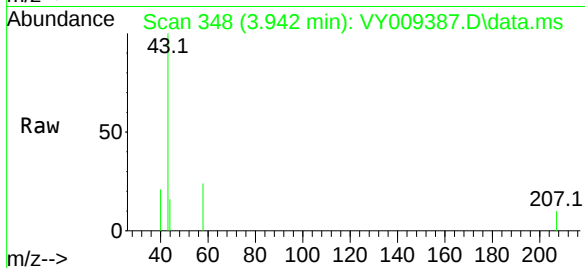
SB-11-9.5-11.5-20220623

Tgt Ion: 43 Resp: 1978

Ion Ratio Lower Upper

43 100

58 24.4 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 435

Delta R.T. -0.001 min

Lab File: VY009387.D

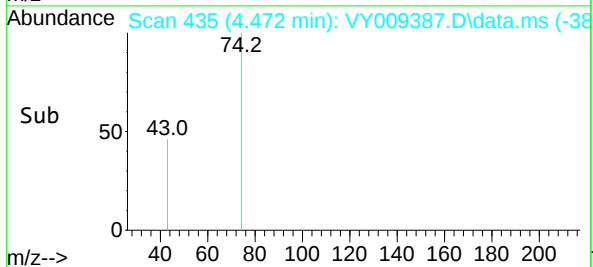
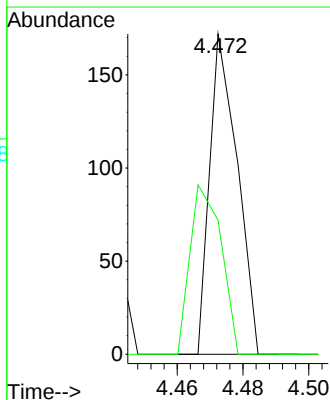
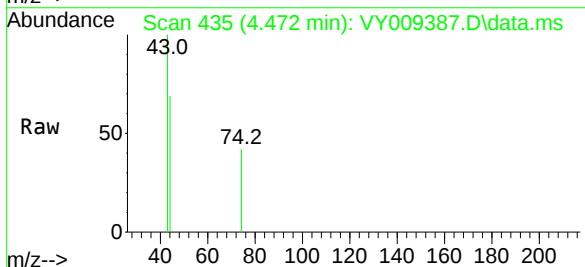
Acq: 29 Jun 2022 20:57

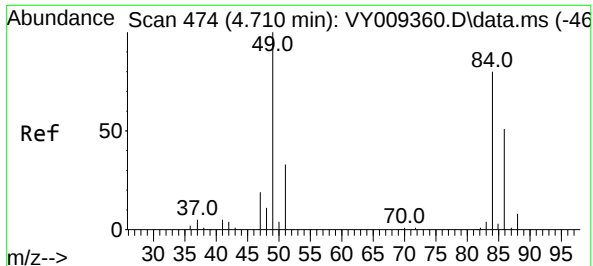
Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

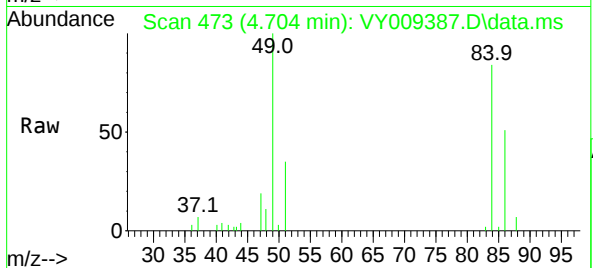
74 60.0 16.6 24.8#



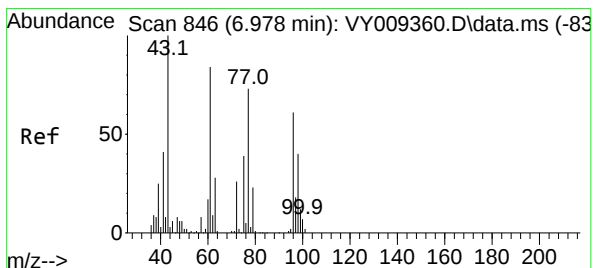
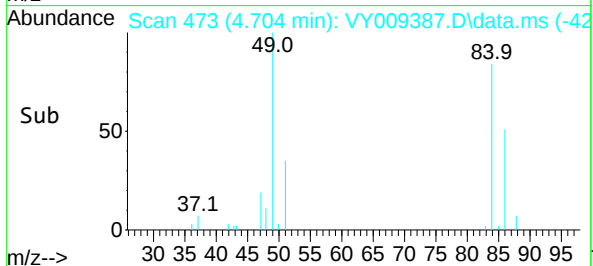
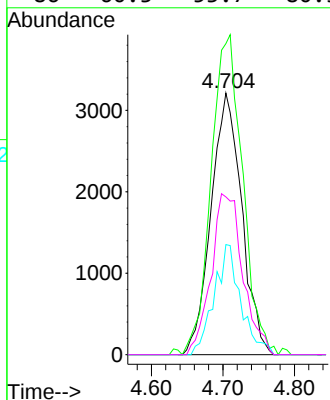


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11-9.5-11.5-20220623

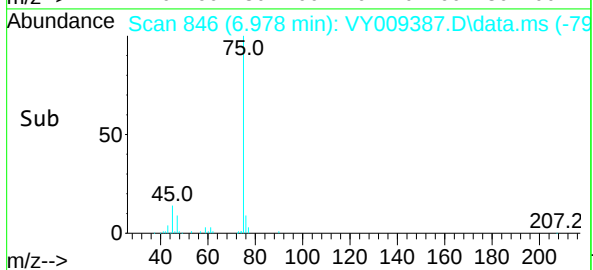
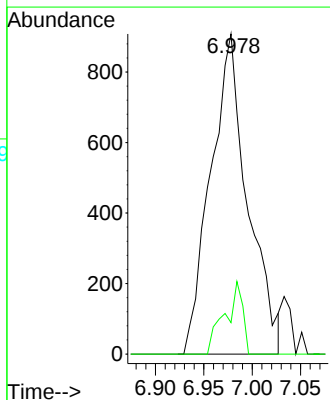
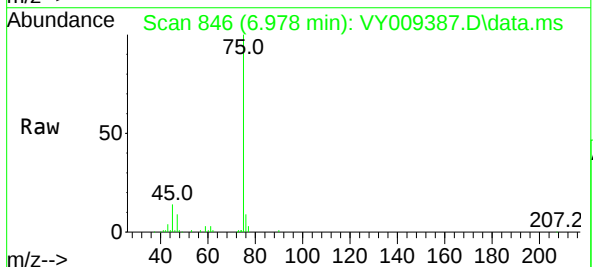


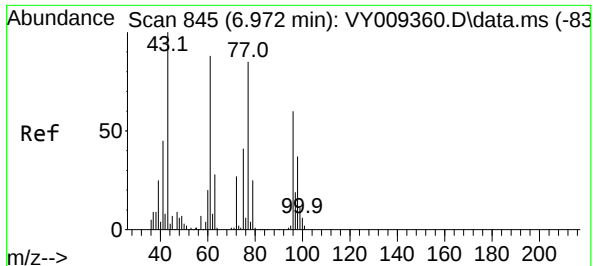
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 9573  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 118.9    | 114.4 171.6 |
| 51 42.1     | 35.3 52.9   |
| 86 60.3     | 53.7 80.5   |



#25  
2-Butanone  
Concen: 4.164 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2417  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 72 9.8      | 17.7 26.5#  |





#26

2,2-Dichloropropane

Concen: 1.124 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY009387.D

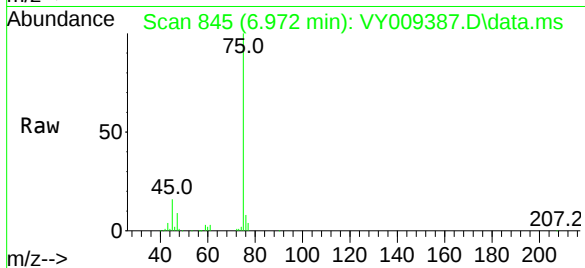
Acq: 29 Jun 2022 20:57

Instrument :

MSVOA\_Y

ClientSampleId :

SB-11-9.5-11.5-20220623

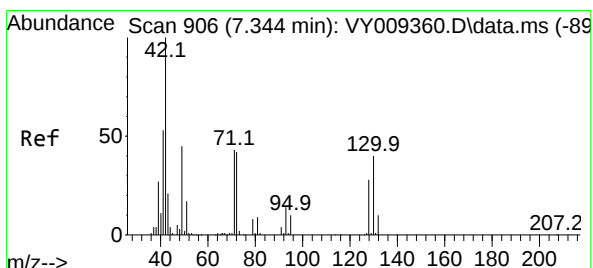
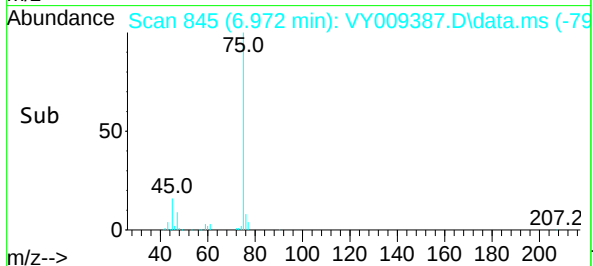
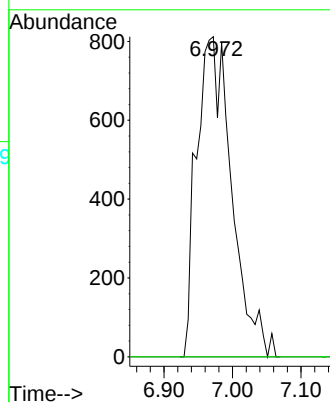


Tgt Ion: 77 Resp: 2893

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#29

Tetrahydrofuran

Concen: 1.314 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY009387.D

Acq: 29 Jun 2022 20:57

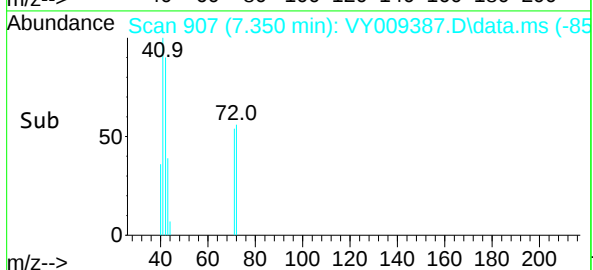
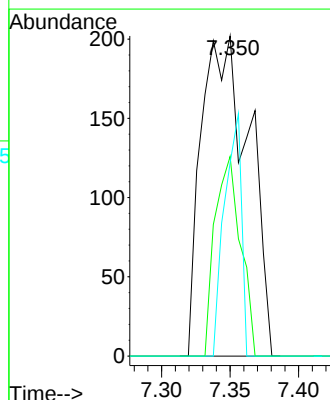
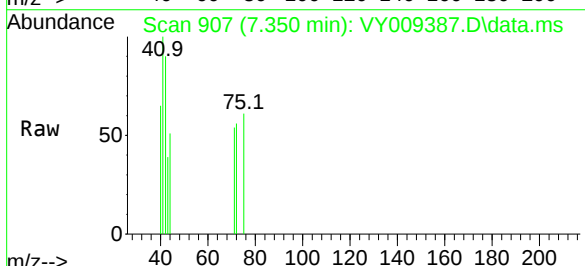
Tgt Ion: 42 Resp: 489

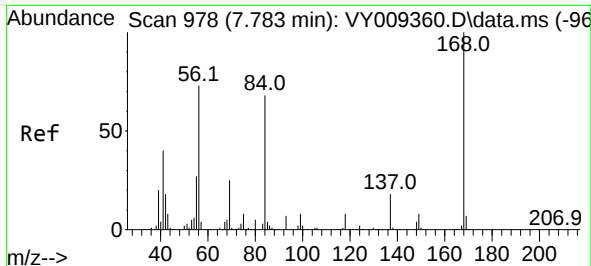
Ion Ratio Lower Upper

42 100

72 33.3 30.3 45.5

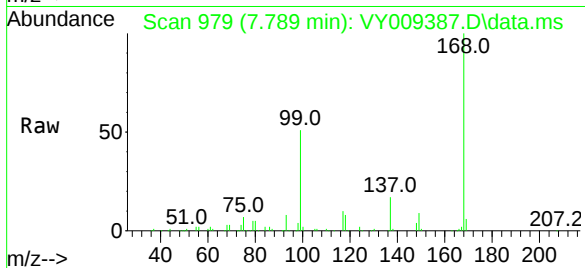
71 26.8 29.0 43.4#



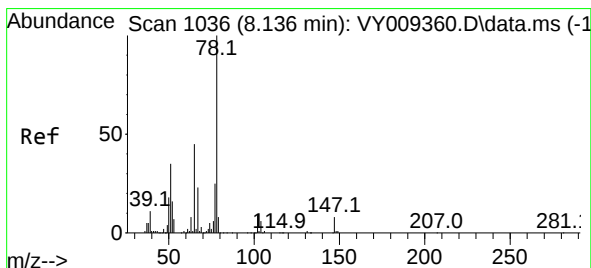
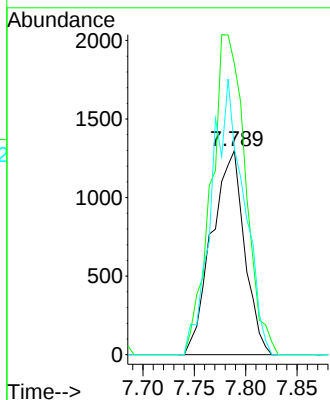
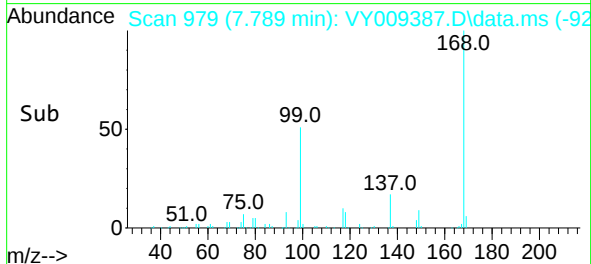


#31  
Cyclohexane  
Concen: 1.149 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

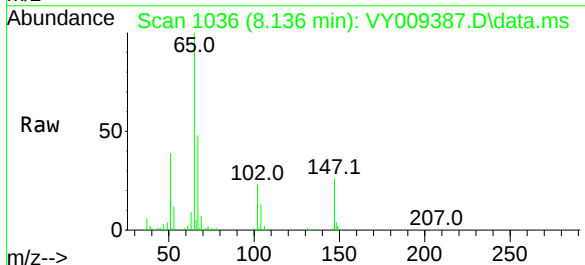
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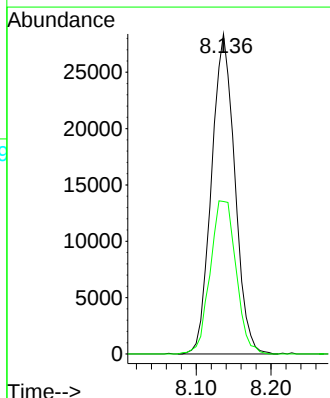
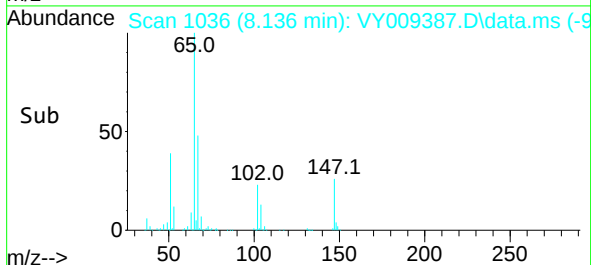
Tgt Ion: 56 Resp: 2881  
Ion Ratio Lower Upper  
56 100  
69 142.5 26.7 40.1#  
84 100.8 67.2 100.8

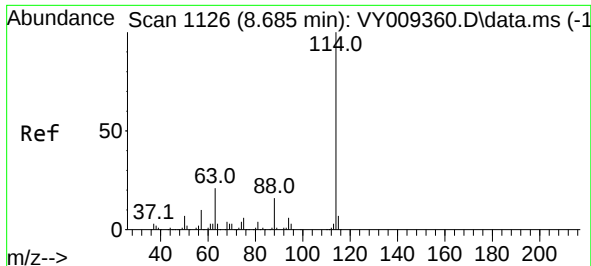


#33  
1,2-Dichloroethane-d4  
Concen: 55.265 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57



Tgt Ion: 65 Resp: 61608  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 99.4

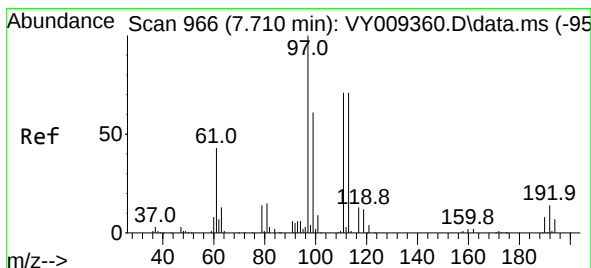
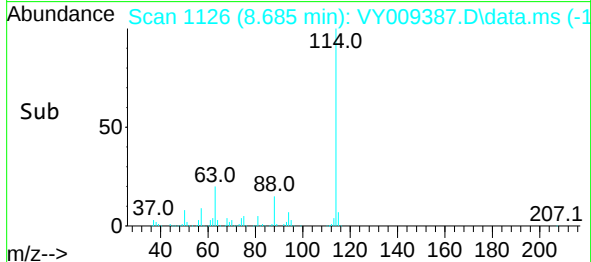
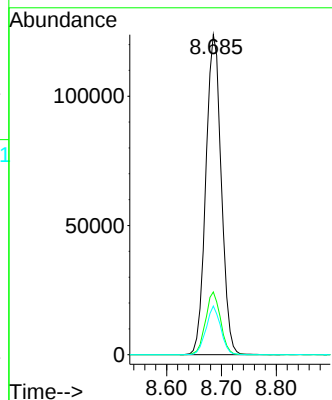
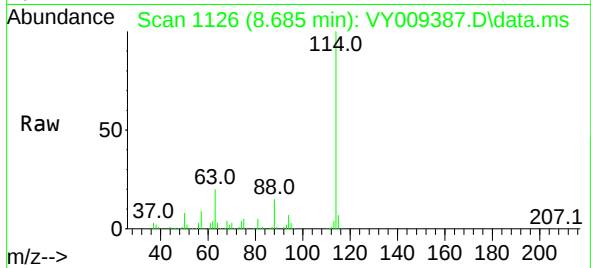




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

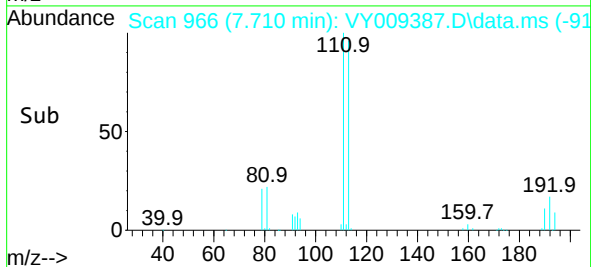
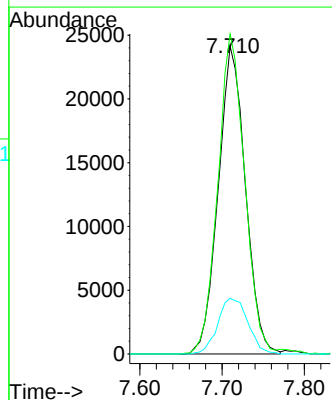
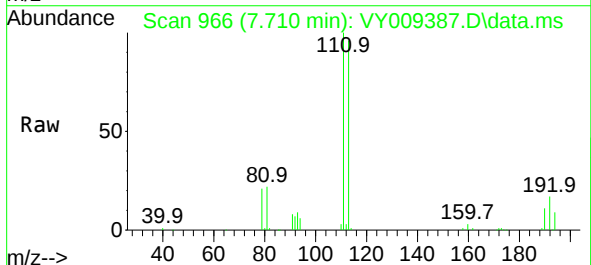
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11-9.5-11.5-20220623

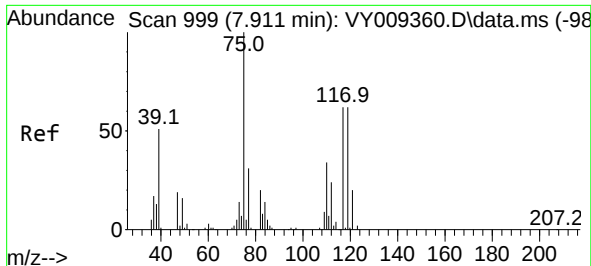
Tgt Ion:114 Resp: 241080  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 43.2  
88 15.2 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 41.705 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

Tgt Ion:113 Resp: 55336  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.6 124.0  
192 20.0 17.6 26.4

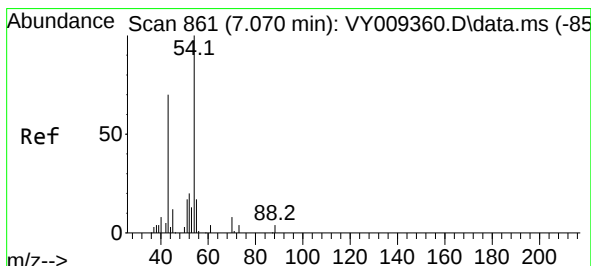
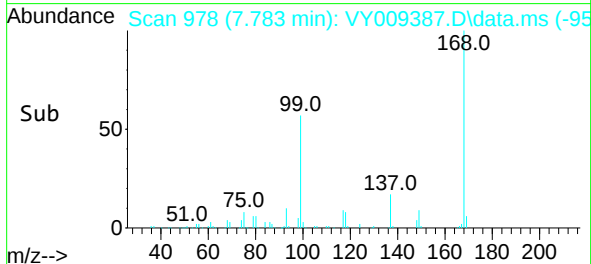
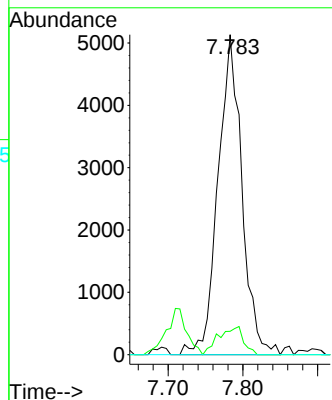
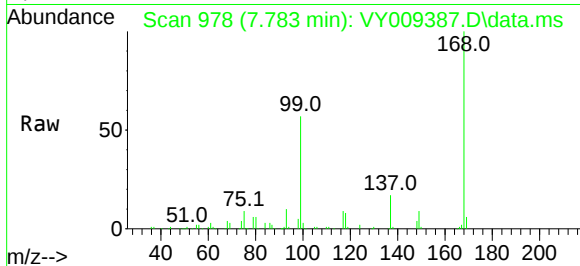




#36  
1,1-Dichloropropene  
Concen: 4.912 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

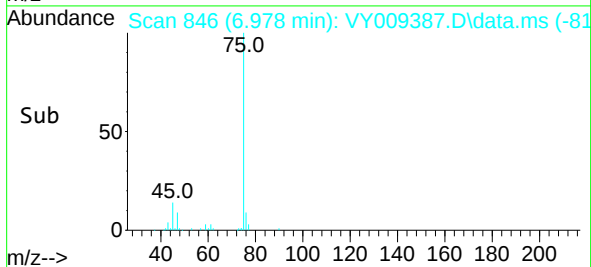
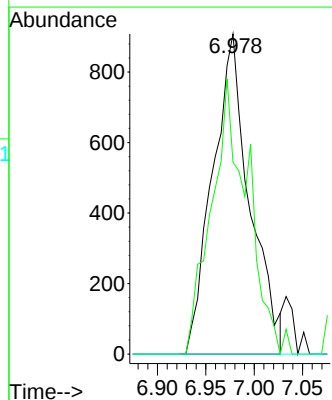
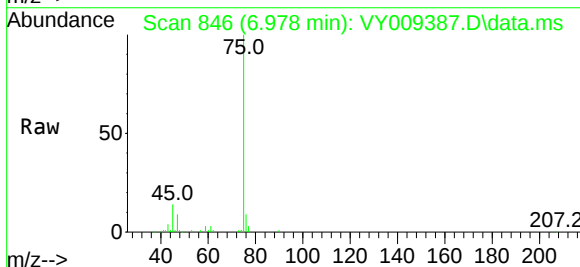
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11-9.5-11.5-20220623

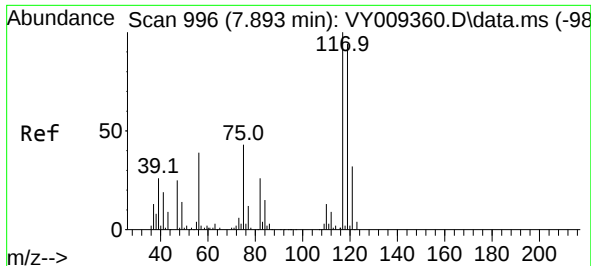
Tgt Ion: 75 Resp: 11395  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.1 51.2#  
77 0.0 24.4 36.6#



#37  
Ethyl Acetate  
Concen: 1.757 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.092 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

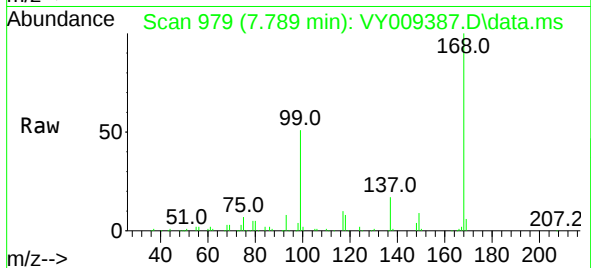
Tgt Ion: 43 Resp: 2417  
Ion Ratio Lower Upper  
43 100  
61 84.9 9.7 14.5#  
70 0.0 7.1 10.7#



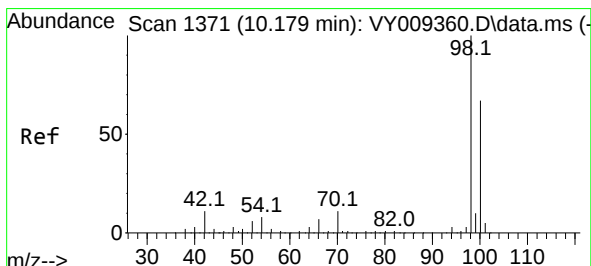
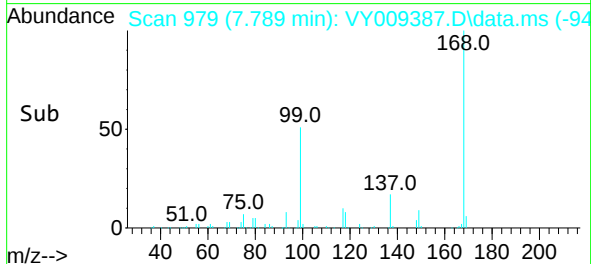
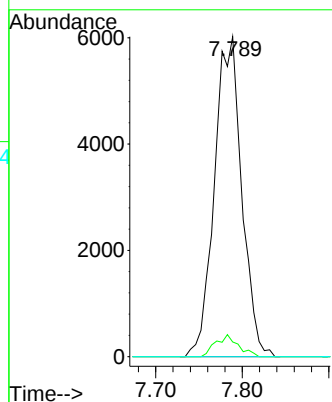


#38  
Carbon Tetrachloride  
Concen: 5.427 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11-9.5-11.5-20220623

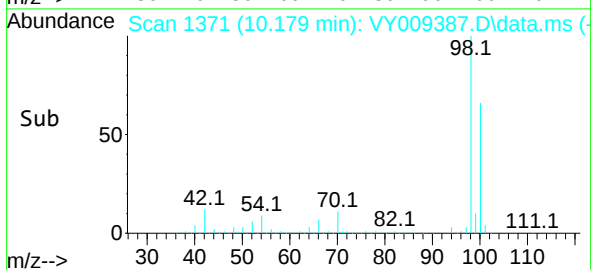
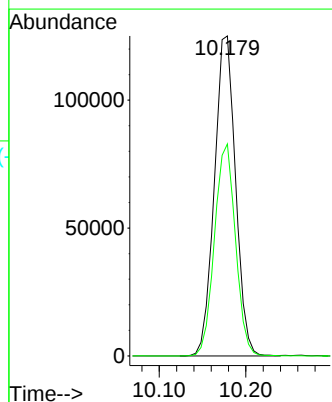
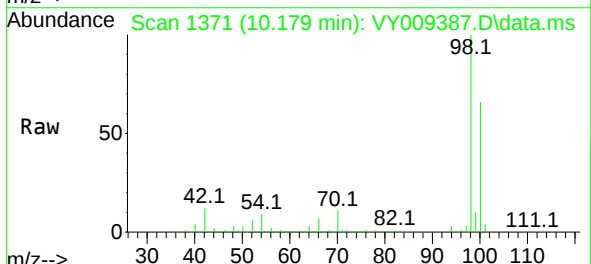


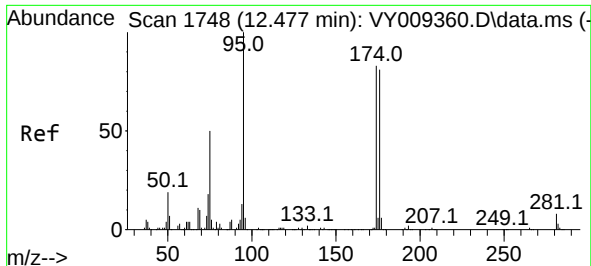
Tgt Ion:117 Resp: 13159  
Ion Ratio Lower Upper  
117 100  
119 4.6 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 52.305 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

Tgt Ion: 98 Resp: 212784  
Ion Ratio Lower Upper  
98 100  
100 65.7 50.2 75.2

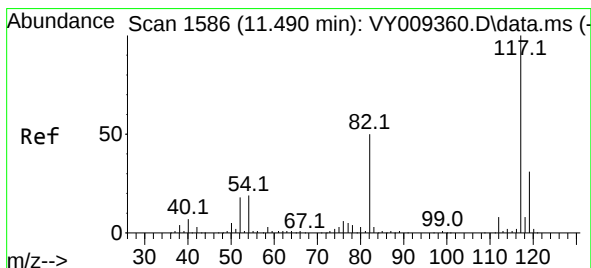
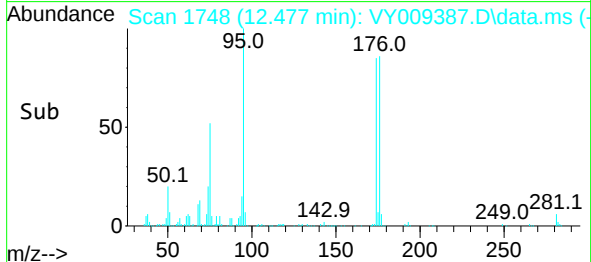
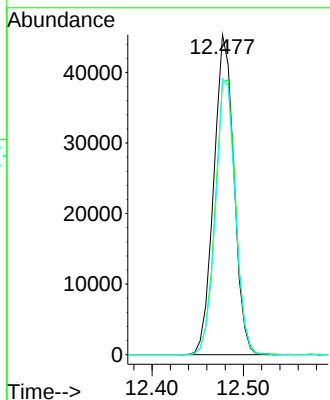
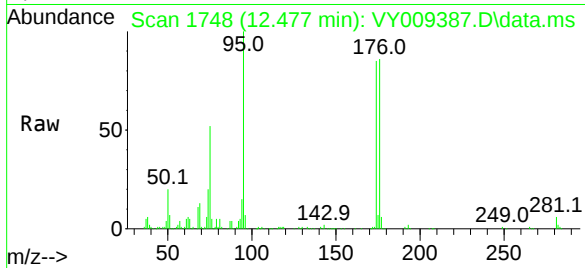




#62  
4-Bromofluorobenzene  
Concen: 36.019 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

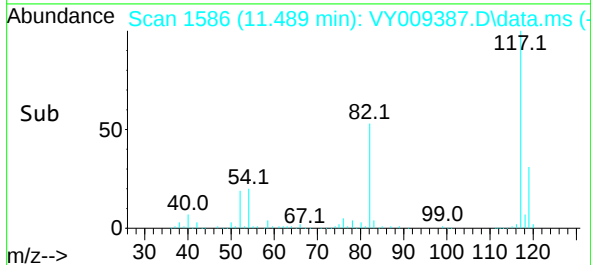
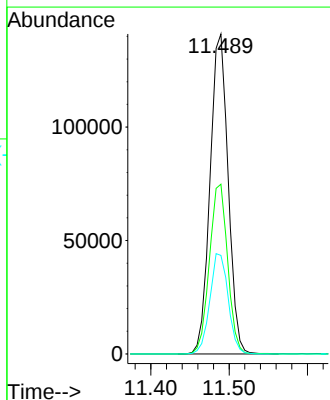
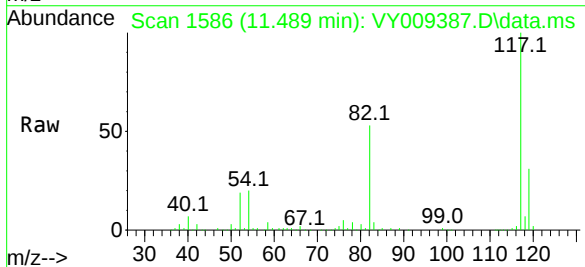
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11-9.5-11.5-20220623

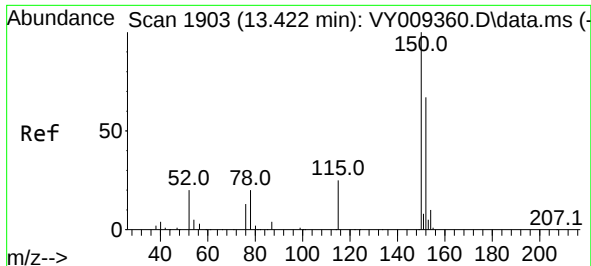
Tgt Ion: 95 Resp: 69494  
Ion Ratio Lower Upper  
95 100  
174 87.7 0.0 177.0  
176 84.7 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

Tgt Ion: 117 Resp: 225960  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.0 64.4  
119 30.8 25.4 38.0

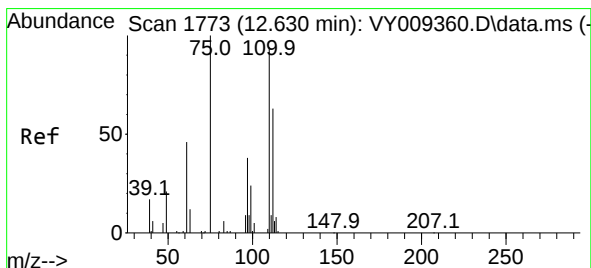
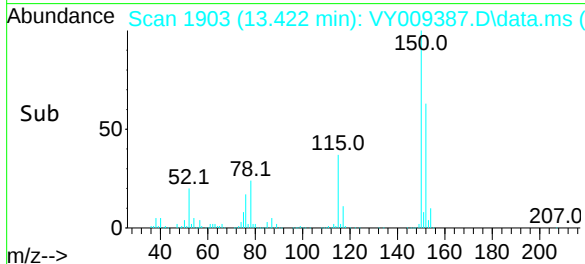
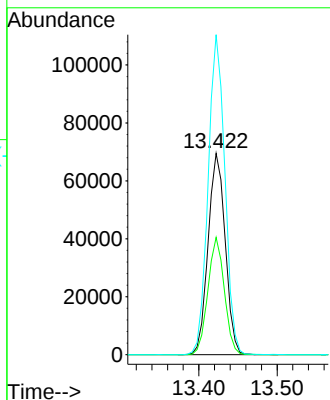
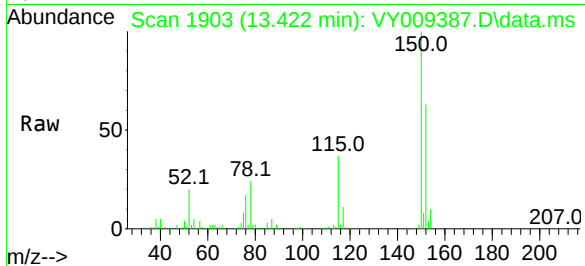




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

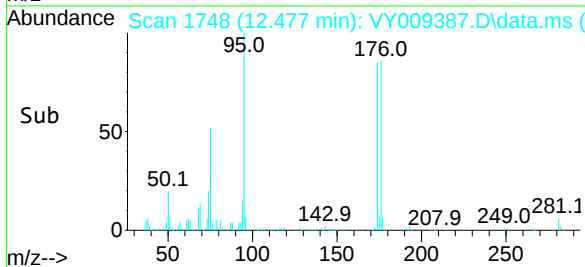
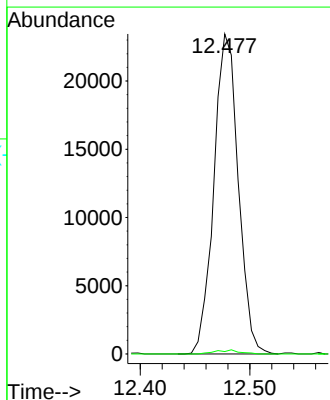
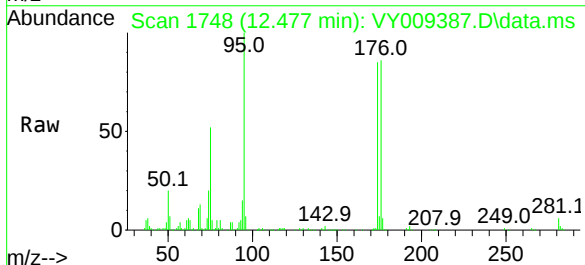
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11-9.5-11.5-20220623

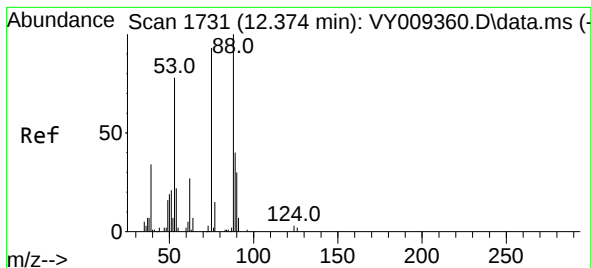
Tgt Ion:152 Resp: 105443  
Ion Ratio Lower Upper  
152 100  
115 55.8 28.2 84.7  
150 155.5 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 29.410 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY009387.D  
Acq: 29 Jun 2022 20:57

Tgt Ion: 75 Resp: 36316  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.480 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.103 min

Lab File: VY009387.D

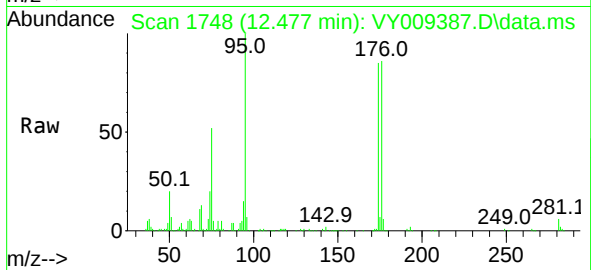
Acq: 29 Jun 2022 20:57

Instrument :

MSVOA\_Y

ClientSampleId :

SB-11-9.5-11.5-20220623



Tgt Ion: 75 Resp: 36316

Ion Ratio Lower Upper

75 100

53 0.2 85.3 127.9#

89 0.3 37.0 55.4#

