

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011023\  
 Data File : VY012131.D  
 Acq On : 10 Jan 2023 10:40  
 Operator : KP/MD  
 Sample : VY0110SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 11 03:07:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:46:48 2023  
 Response via : Initial Calibration

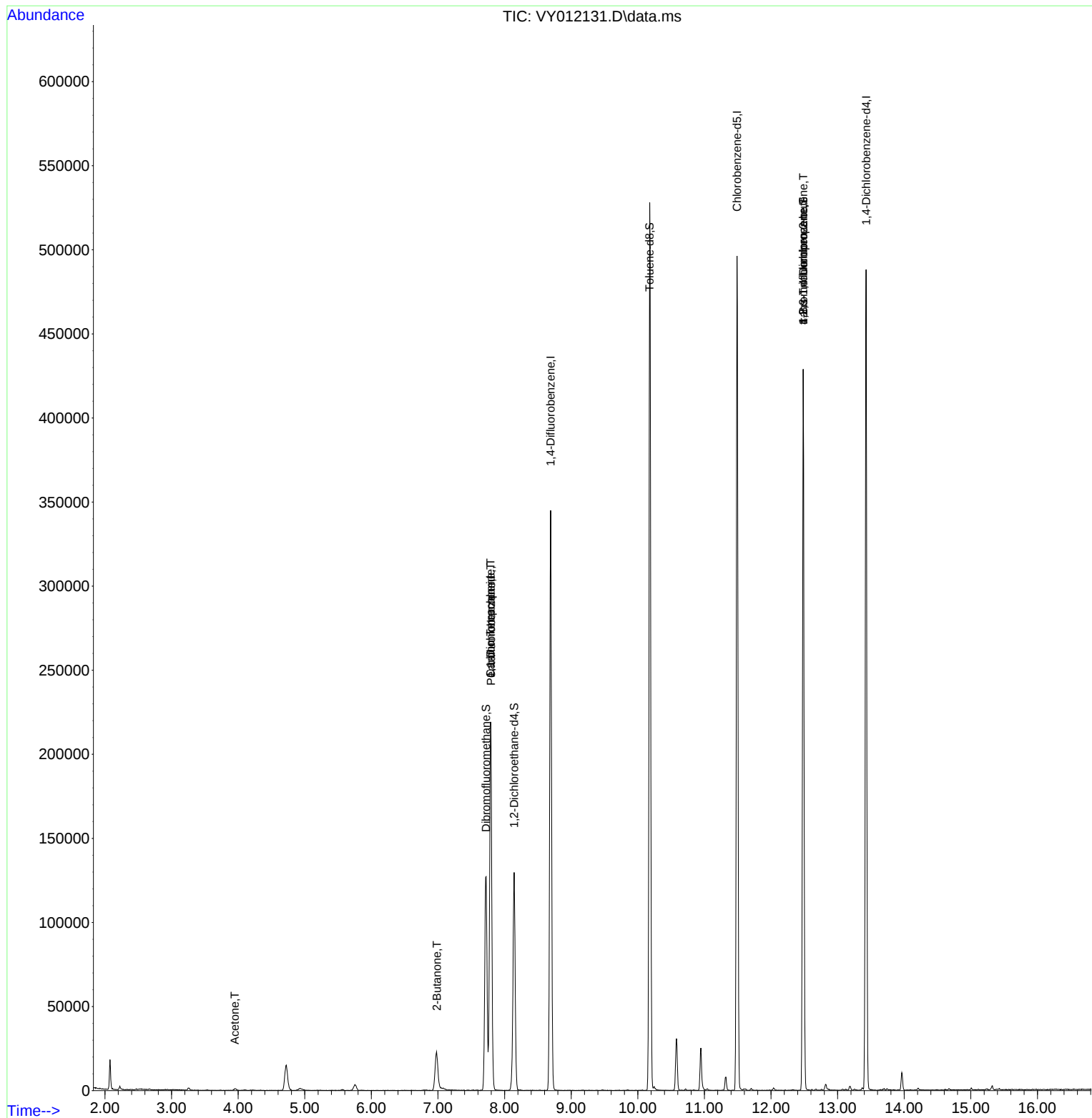
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 174060   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 295083   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 281211   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 128690   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 104883   | 53.625    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 107.260% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 89562    | 46.177    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 92.360%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 353240   | 46.143    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 92.280%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 115689   | 43.234    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 86.460%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.906  | 85    | 177      | Below Cal | #          | 41       |
| 3) Chloromethane              | 2.113  | 50    | 195      | Below Cal | #          | 41       |
| 5) Bromomethane               | 2.662  | 94    | 192      | Below Cal |            | 93       |
| 11) Tert butyl alcohol        | 4.936  | 59    | 1802     | Below Cal | #          | 74       |
| 16) Acetone                   | 3.948  | 43    | 1805     | 3.923     | ug/l #     | 86       |
| 25) 2-Butanone                | 6.984  | 43    | 1884     | 3.104     | ug/l #     | 87       |
| 31) Cyclohexane               | 7.795  | 56    | 3304     | Below Cal | #          | 33       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 11934    | 4.056     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 17137    | 4.588     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 61141    | 41.610    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 61141    | 92.409    | ug/l #     | 13       |
| -----                         |        |       |          |           |            |          |

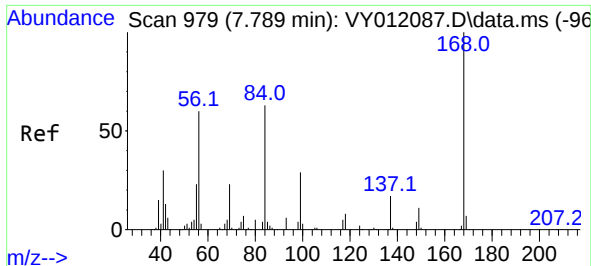
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VY0110SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

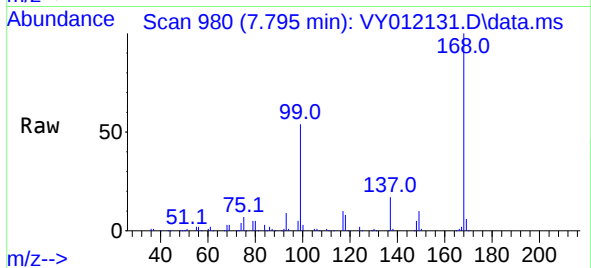
Quant Time: Jan 11 03:07:09 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jan 07 01:46:48 2023  
Response via : Initial Calibration



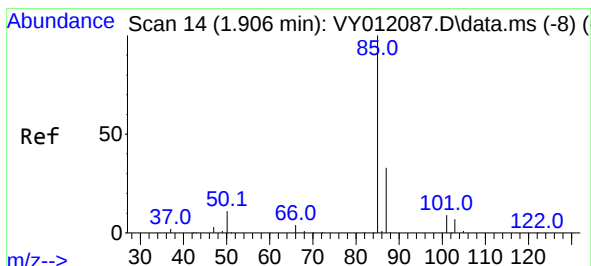
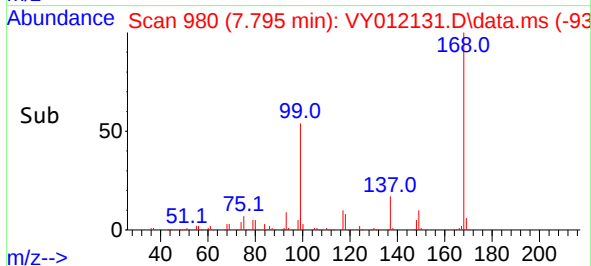
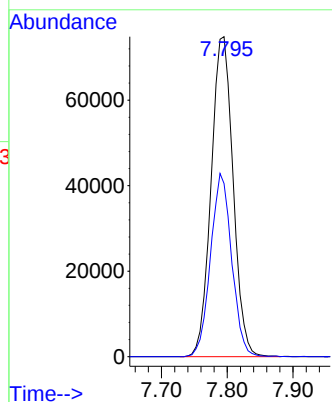


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

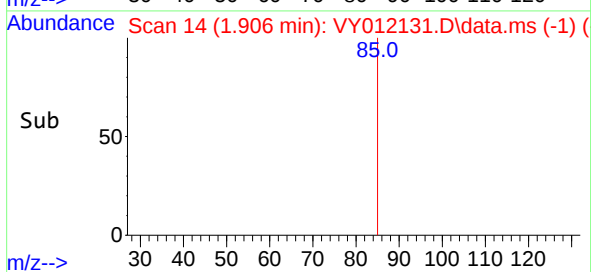
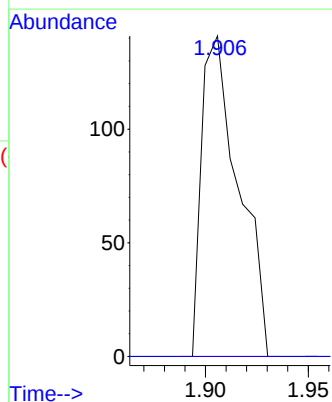
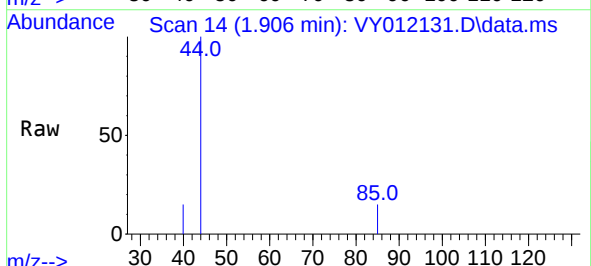


Tgt Ion:168 Resp: 174060  
Ion Ratio Lower Upper  
168 100  
99 54.1 44.0 66.0

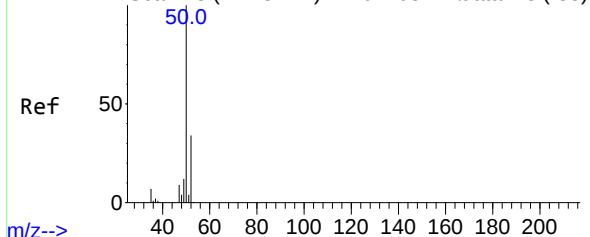


#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

Tgt Ion: 85 Resp: 177  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012131.D

Acq: 10 Jan 2023 10:40

Instrument :

MSVOA\_Y

ClientSampleId :

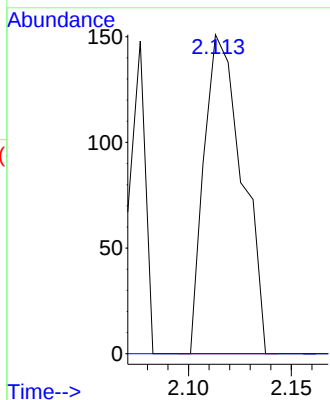
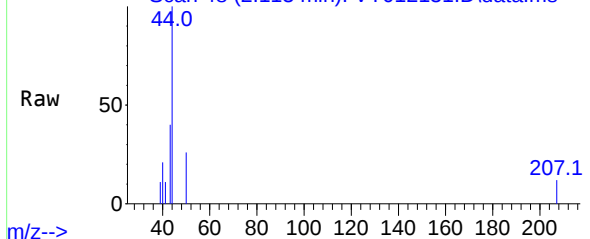
Tgt Ion: 50 Resp: 195

Ion Ratio Lower Upper

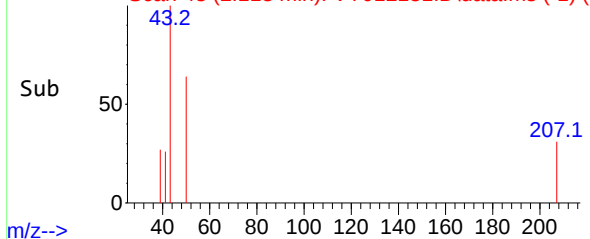
50 100

52 0.0 26.8 40.2#

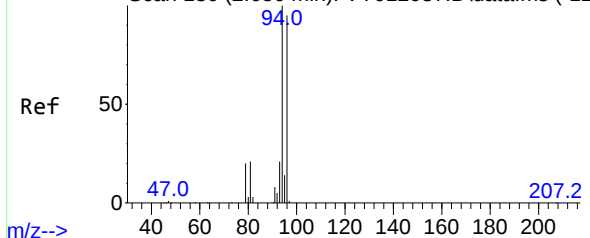
Abundance Scan 48 (2.113 min): VY012131.D\data.ms



Abundance Scan 48 (2.113 min): VY012131.D\data.ms (-1)



Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY012131.D

Acq: 10 Jan 2023 10:40

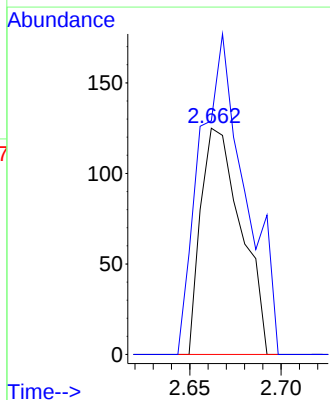
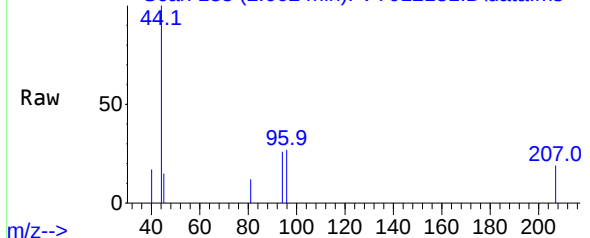
Tgt Ion: 94 Resp: 192

Ion Ratio Lower Upper

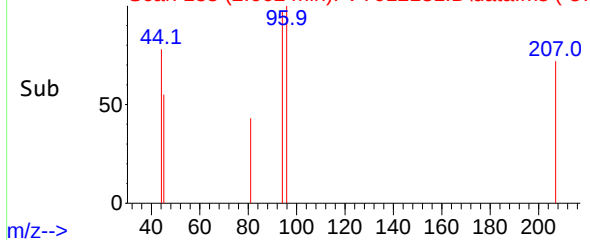
94 100

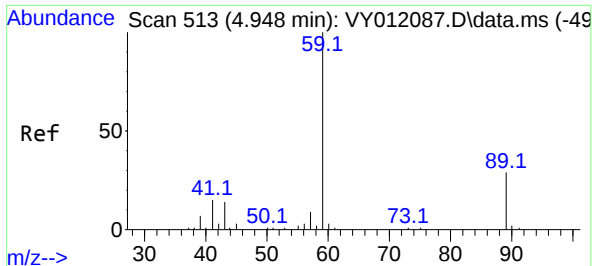
96 103.2 77.4 116.2

Abundance Scan 138 (2.662 min): VY012131.D\data.ms



Abundance Scan 138 (2.662 min): VY012131.D\data.ms (-87)

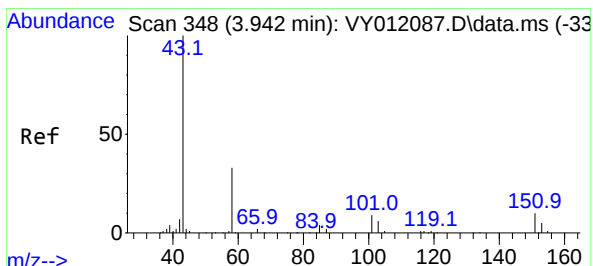
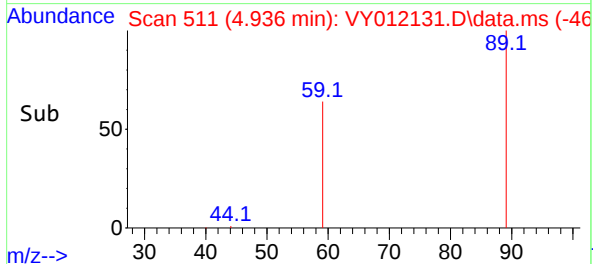
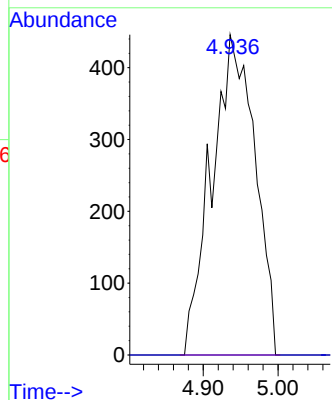
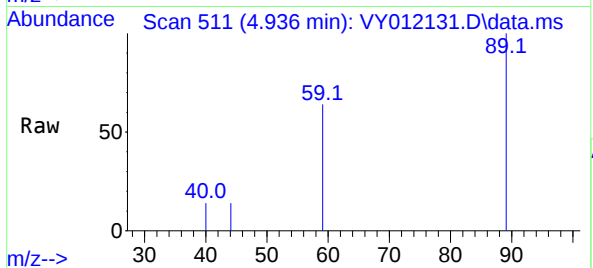




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

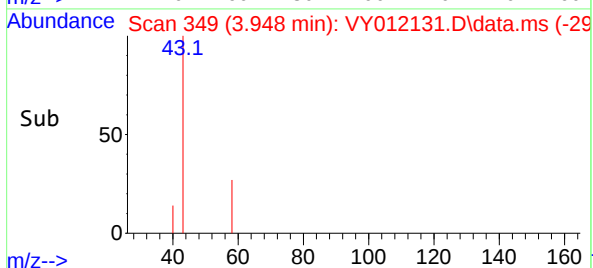
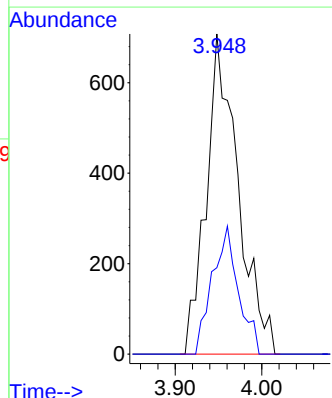
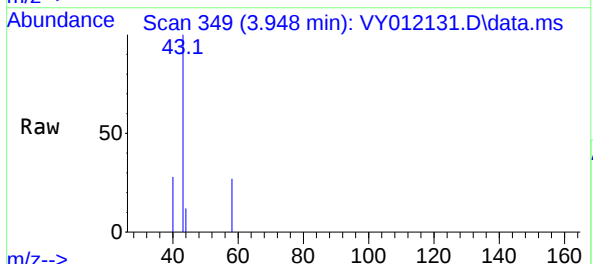
Instrument :  
MSVOA\_Y  
ClientSampleId :

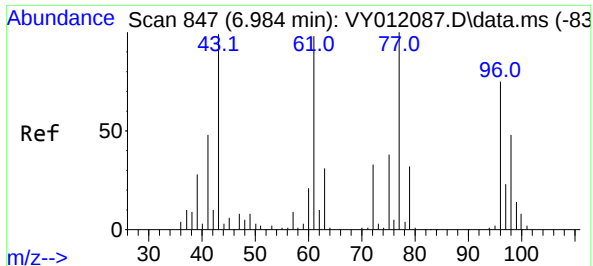
Tgt Ion: 59 Resp: 1802  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



#16  
Acetone  
Concen: 3.923 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

Tgt Ion: 43 Resp: 1805  
Ion Ratio Lower Upper  
43 100  
58 27.0 27.9 41.9#





#25

2-Butanone

Concen: 3.104 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY012131.D

Acq: 10 Jan 2023 10:40

Instrument :

MSVOA\_Y

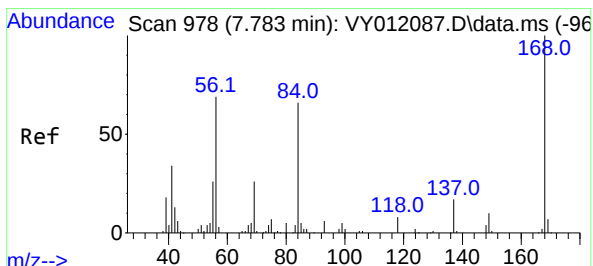
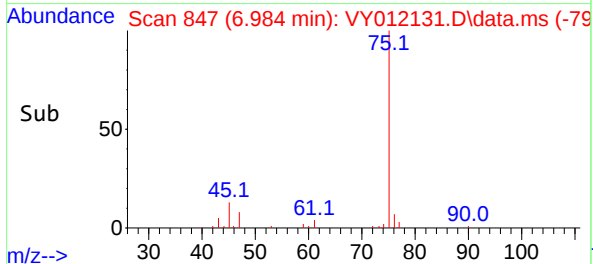
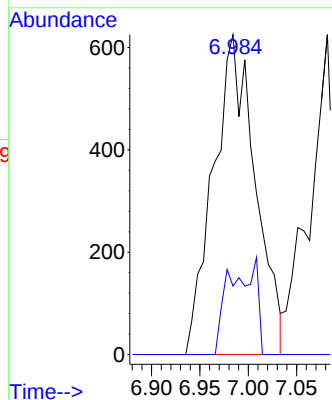
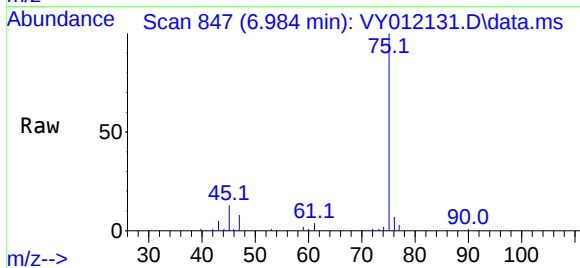
ClientSampleId :

Tgt Ion: 43 Resp: 1884

Ion Ratio Lower Upper

43 100

72 21.4 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY012131.D

Acq: 10 Jan 2023 10:40

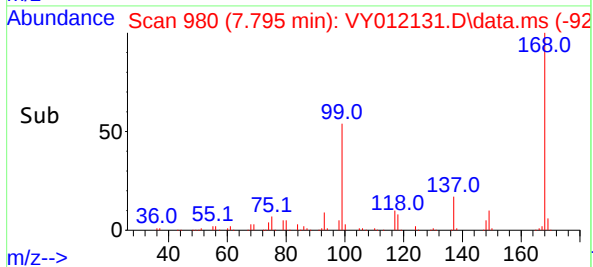
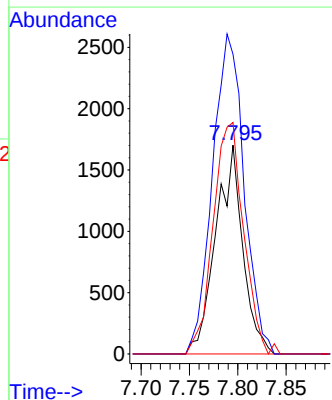
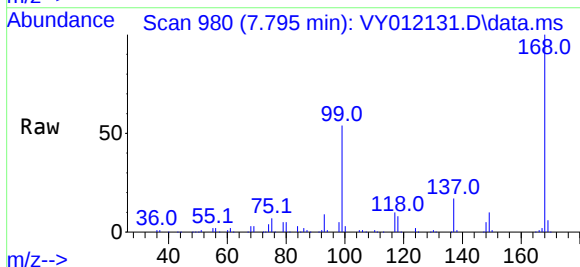
Tgt Ion: 56 Resp: 3304

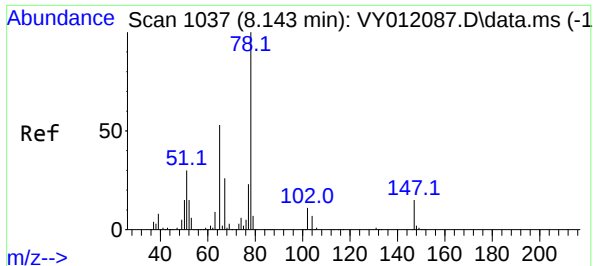
Ion Ratio Lower Upper

56 100

69 143.5 29.2 43.8#

84 110.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 53.625 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012131.D

Acq: 10 Jan 2023 10:40

Instrument :

MSVOA\_Y

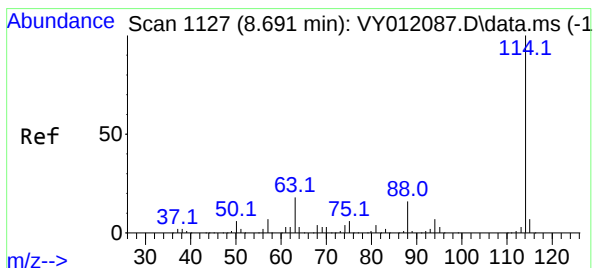
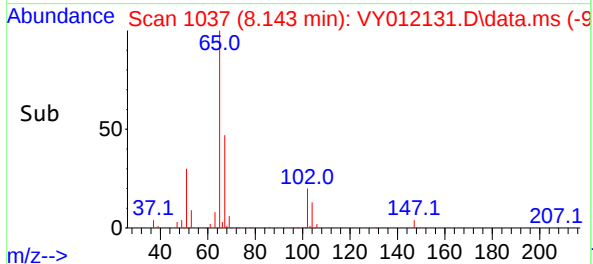
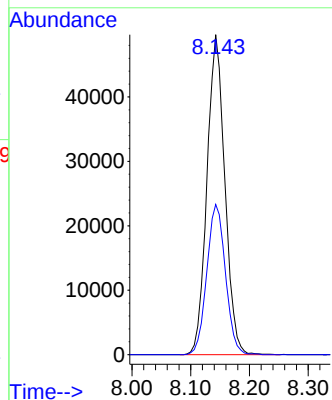
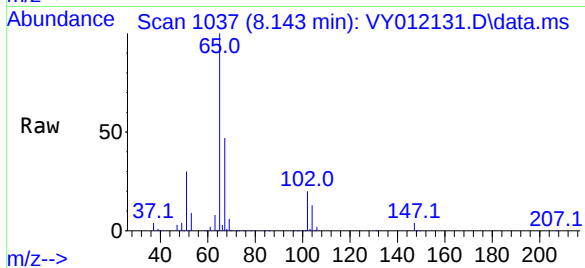
ClientSampleId :

Tgt Ion: 65 Resp: 104883

Ion Ratio Lower Upper

65 100

67 49.0 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012131.D

Acq: 10 Jan 2023 10:40

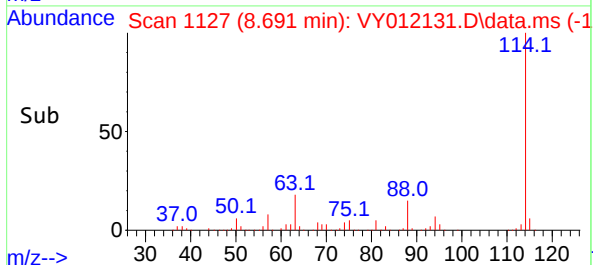
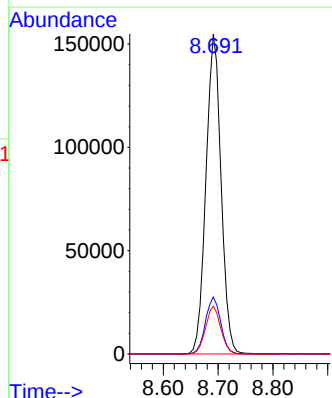
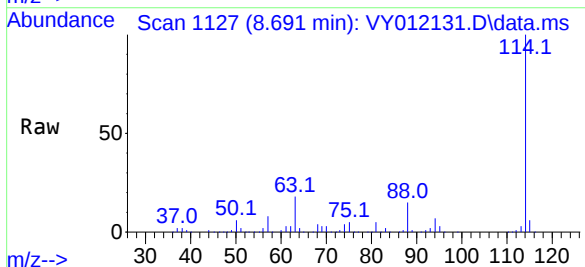
Tgt Ion: 114 Resp: 295083

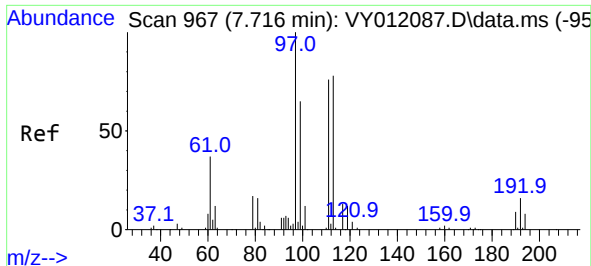
Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 15.0 0.0 32.2

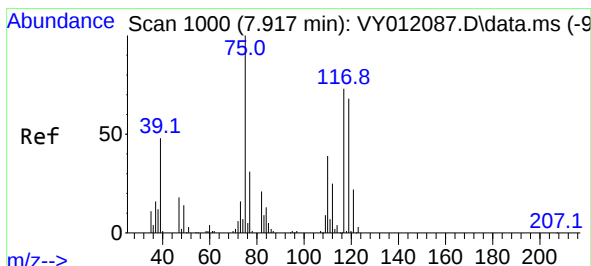
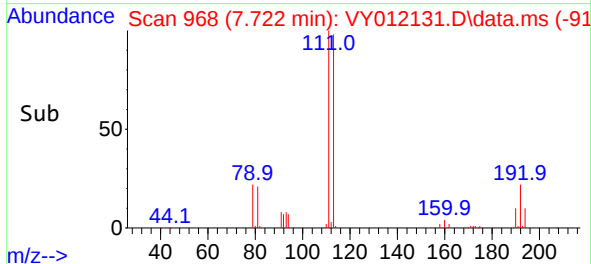
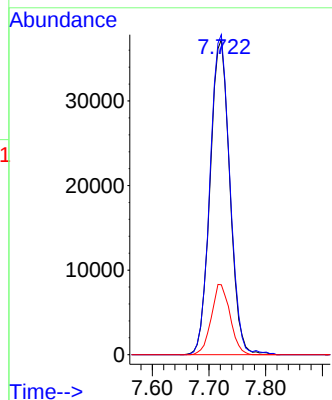
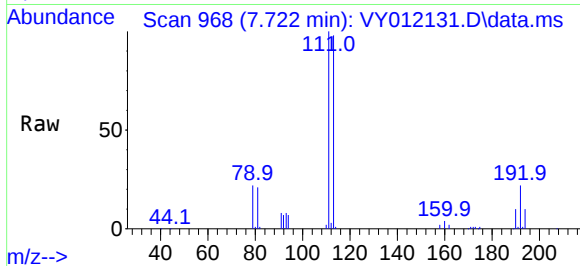




#35  
Dibromofluoromethane  
Concen: 46.177 ug/l  
RT: 7.722 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

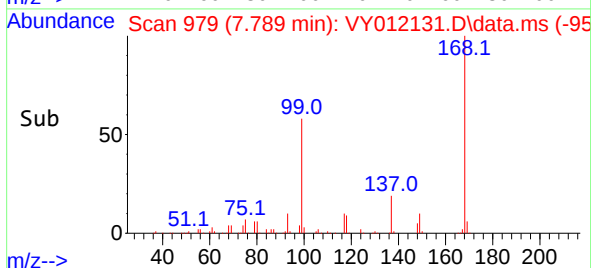
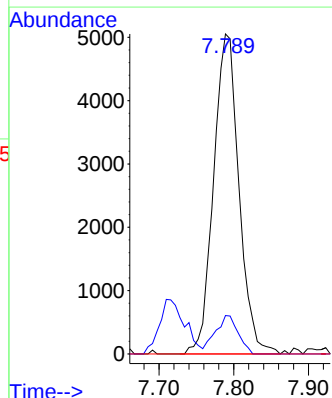
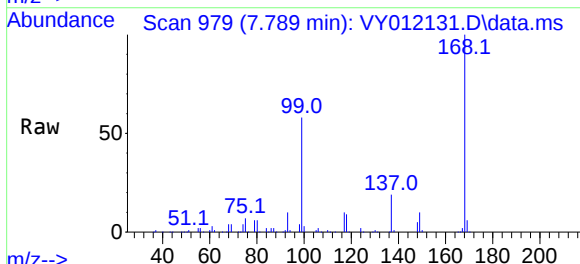
Instrument :  
MSVOA\_Y  
ClientSampleId :

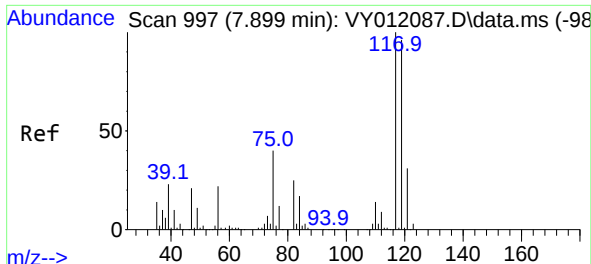
Tgt Ion:113 Resp: 89562  
Ion Ratio Lower Upper  
113 100  
111 102.2 83.0 124.4  
192 21.3 16.0 24.0



#36  
1,1-Dichloropropene  
Concen: 4.056 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

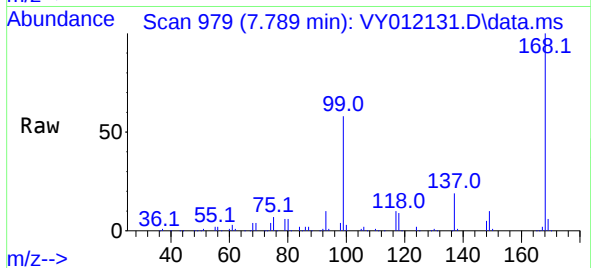
Tgt Ion: 75 Resp: 11934  
Ion Ratio Lower Upper  
75 100  
110 10.7 18.1 54.1#  
77 0.0 25.1 37.7#



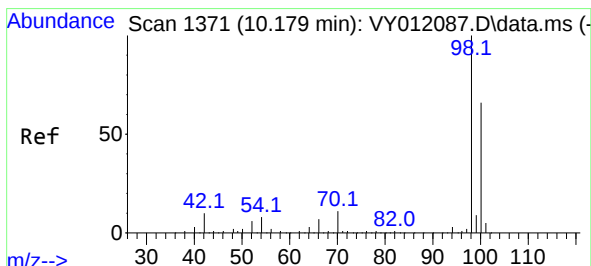
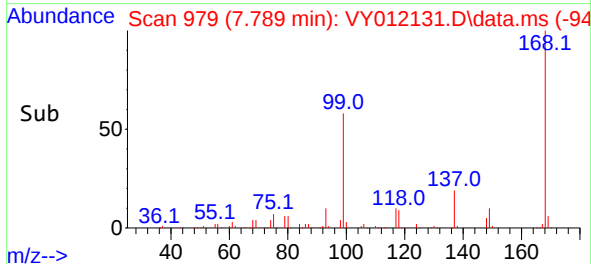
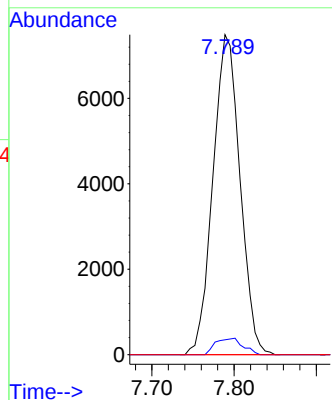


#38  
Carbon Tetrachloride  
Concen: 4.588 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

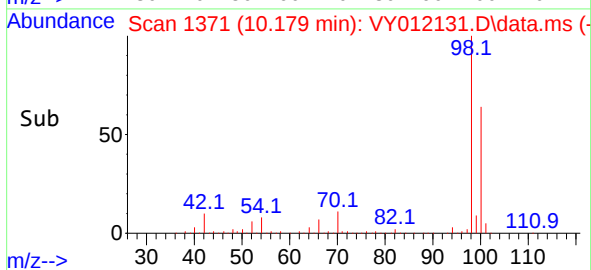
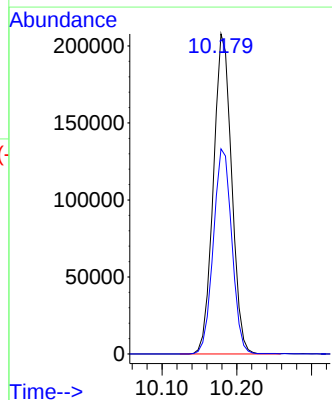
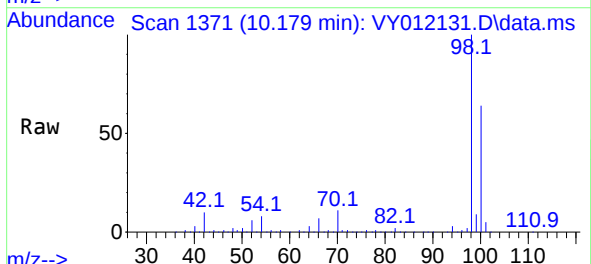


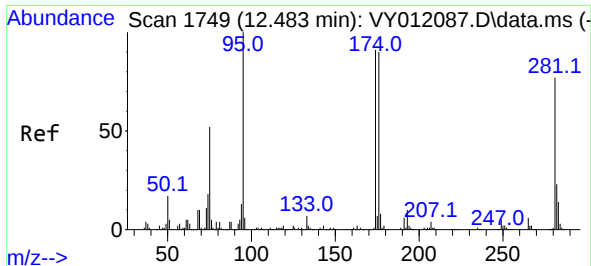
Tgt Ion:117 Resp: 17137  
Ion Ratio Lower Upper  
117 100  
119 4.6 73.8 110.8#  
121 0.0 25.2 37.8#



#50  
Toluene-d8  
Concen: 46.143 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

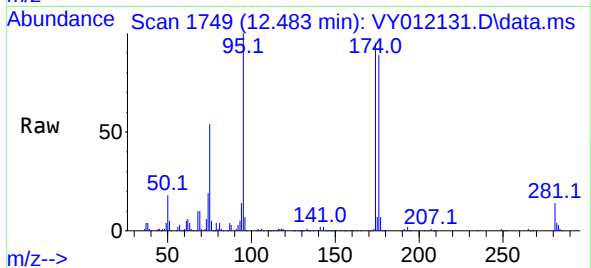
Tgt Ion: 98 Resp: 353240  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9



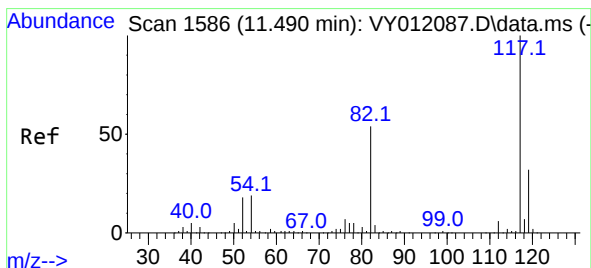
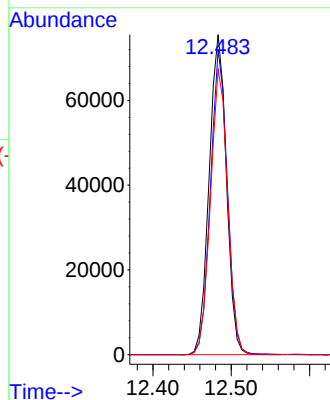
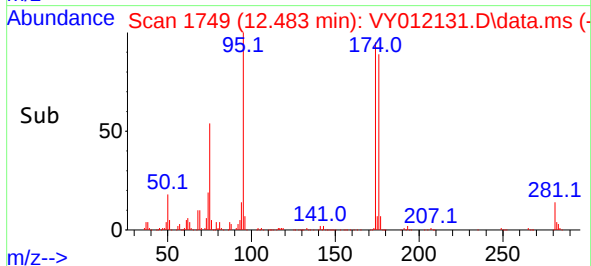


#62  
4-Bromofluorobenzene  
Concen: 43.234 ug/l  
RT: 12.483 min Scan# 115689  
Delta R.T. 0.000 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

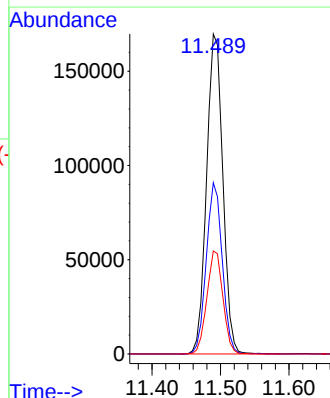
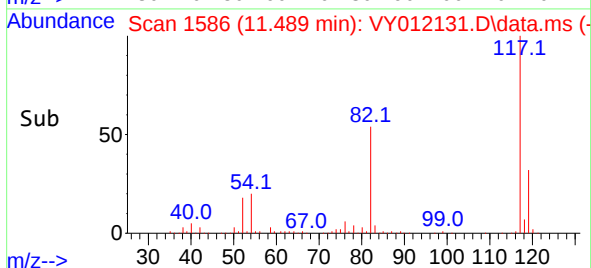
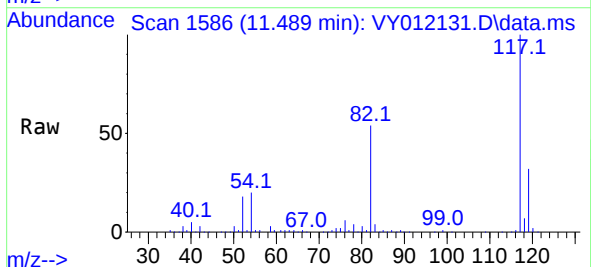


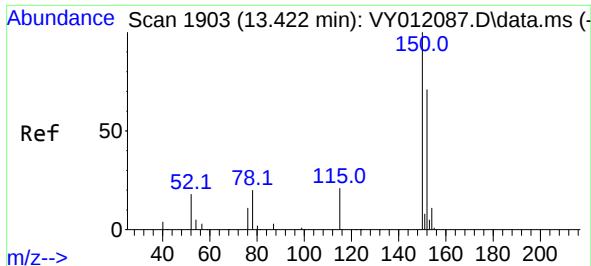
Tgt Ion: 95 Resp: 115689  
Ion Ratio Lower Upper  
95 100  
174 93.2 0.0 172.0  
176 88.7 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

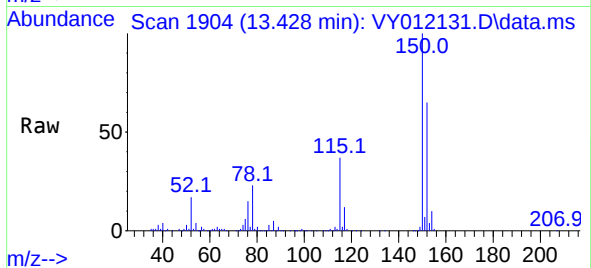
Tgt Ion: 117 Resp: 281211  
Ion Ratio Lower Upper  
117 100  
82 53.5 44.8 67.2  
119 32.2 25.4 38.2



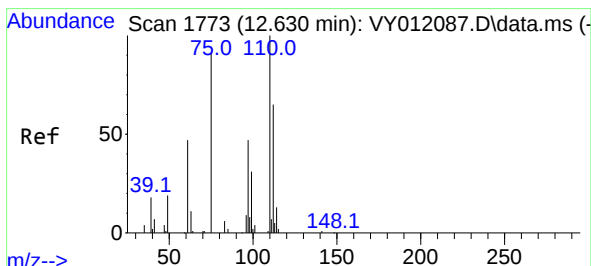
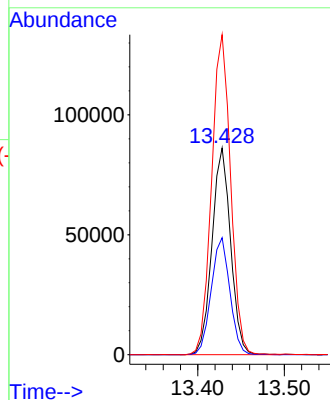
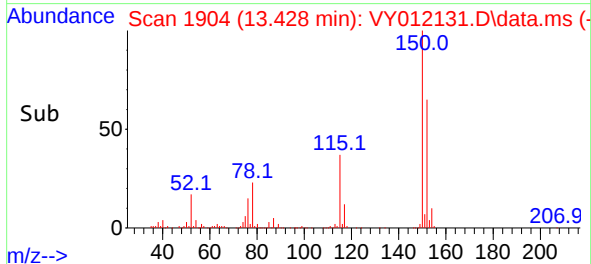


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

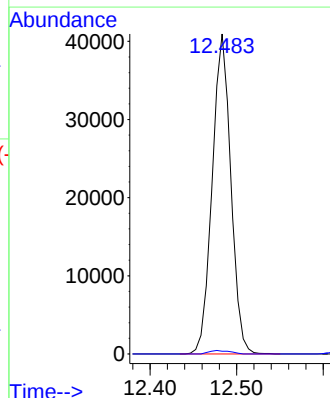
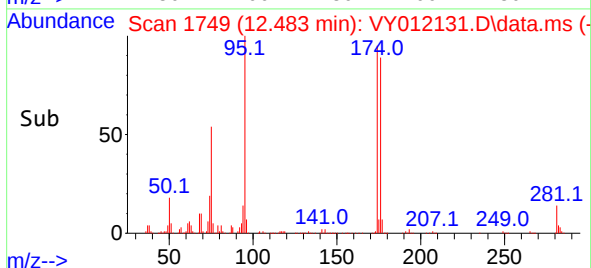
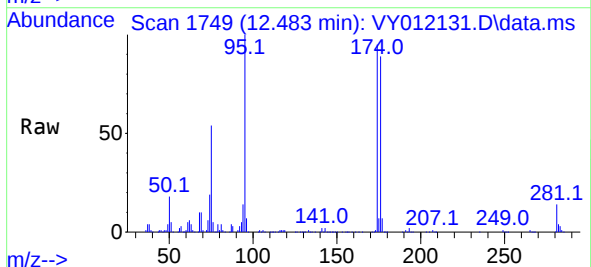


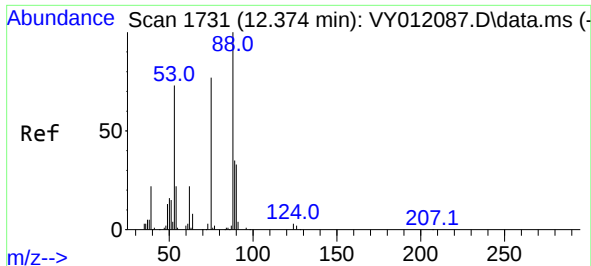
Tgt Ion:152 Resp: 128690  
Ion Ratio Lower Upper  
152 100  
115 56.7 29.1 87.3  
150 157.8 0.0 342.6



#76  
1,2,3-Trichloropropane  
Concen: 41.610 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY012131.D  
Acq: 10 Jan 2023 10:40

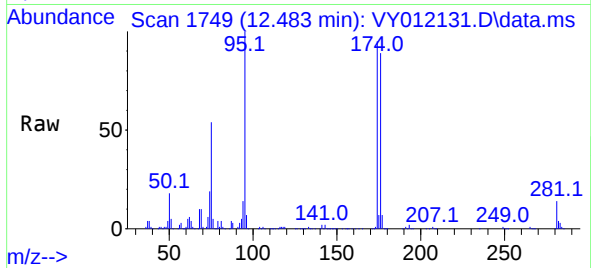
Tgt Ion: 75 Resp: 61141  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 92.409 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.109 min  
 Lab File: VY012131.D  
 Acq: 10 Jan 2023 10:40

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 61141  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.5 108.7#  
 89 0.1 37.0 55.4#

