

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050924\  
 Data File : VY018216.D  
 Acq On : 09 May 2024 17:42  
 Operator : SY/MD  
 Sample : P2432-04  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: May 10 01:20:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 01:40:14 2024  
 Response via : Initial Calibration

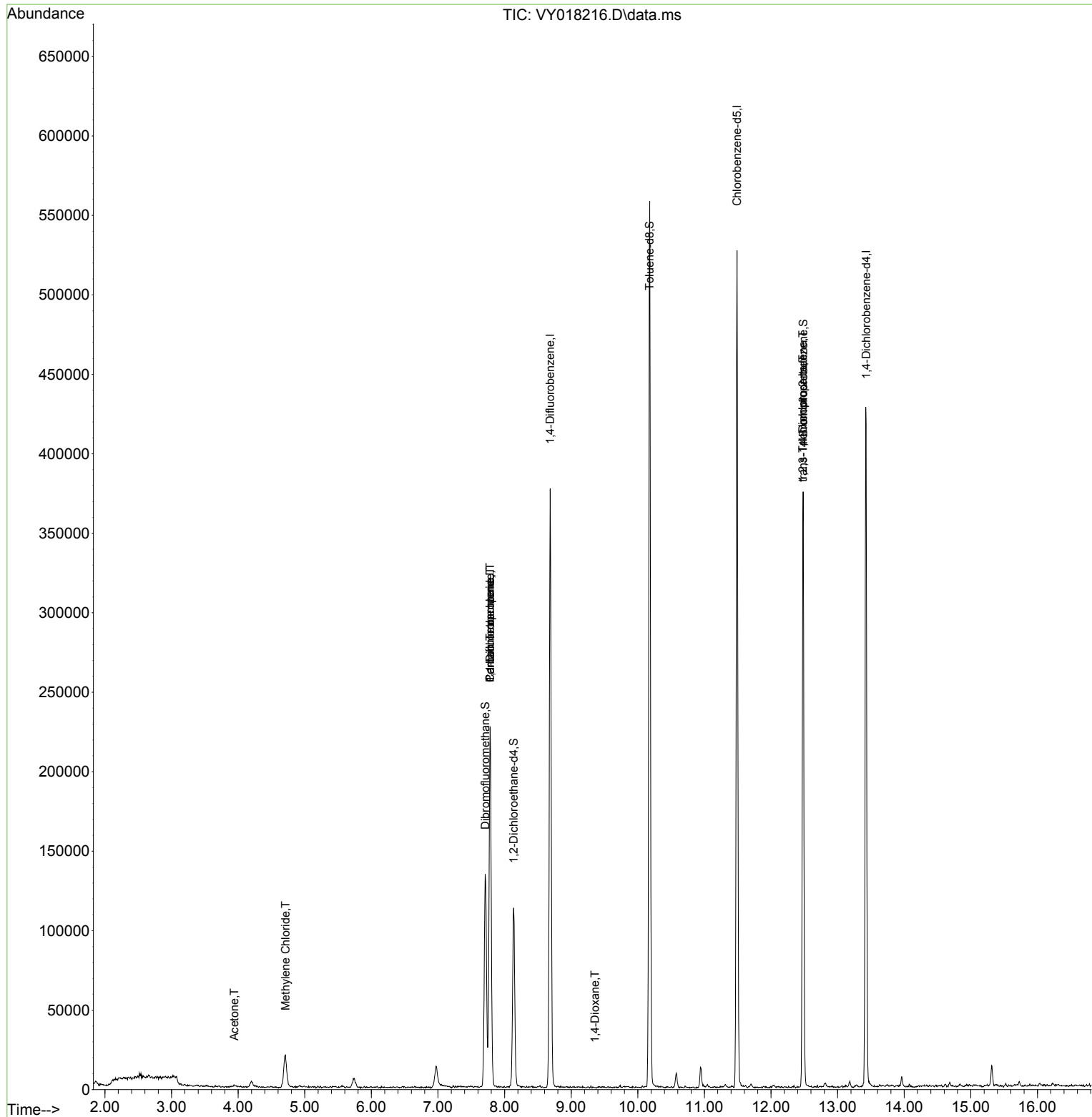
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.783          | 168  | 176678              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 336225              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 297171              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 114919              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136          | 65   | 83073               | 63.914    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 127.820% |           |        |          |
| 35) Dibromofluoromethane      | 7.710          | 113  | 96566               | 54.649    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 109.300% |           |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 376398              | 54.056    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 108.120% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 116328              | 51.731    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 103.460% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.930          | 59   | 729                 | Below Cal | #      | 91       |
| 13) Acrolein                  | 3.722          | 56   | 137                 | Below Cal | #      | 1        |
| 16) Acetone                   | 3.942          | 43   | 1611                | 6.211     | ug/l # | 73       |
| 20) Methylene Chloride        | 4.710          | 84   | 16354               | 8.920     | ug/l   | 93       |
| 31) Cyclohexane               | 7.777          | 56   | 3661                | Below Cal | #      | 1        |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 13803               | 5.449     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 16654               | 6.017     | ug/l # | 16       |
| 49) 1,4-Dioxane               | 9.356          | 88   | 23                  | 1.692     | ug/l # | 20       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 56970               | 61.934    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 56970               | 119.326   | ug/l # | 16       |
| -----                         |                |      |                     |           |        |          |

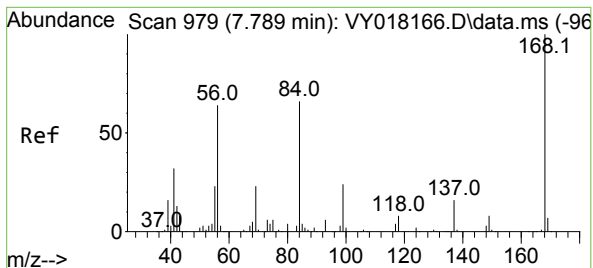
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 19 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :

Quant Time: May 10 01:20:55 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 08 01:40:14 2024  
Response via : Initial Calibration

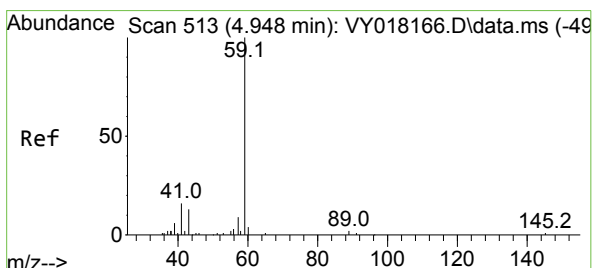
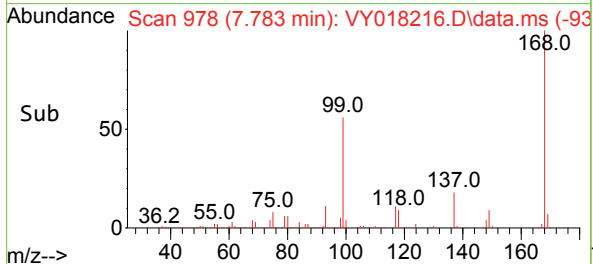
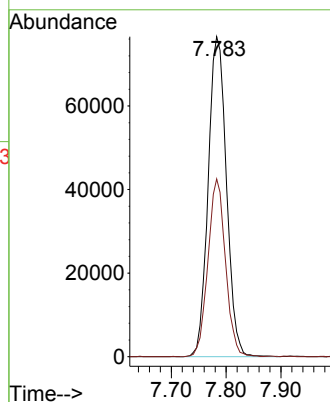
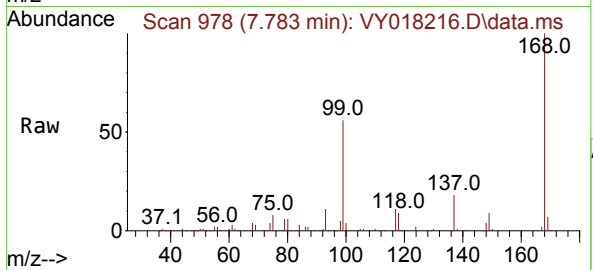




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

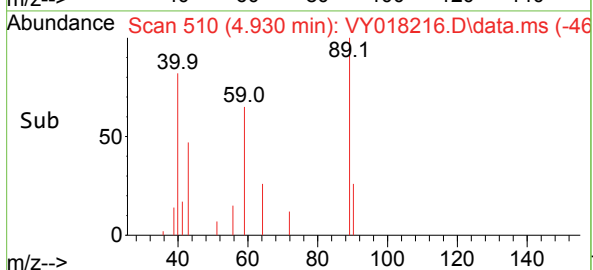
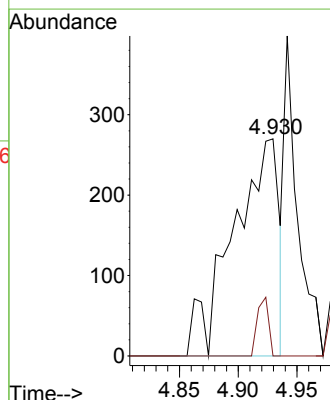
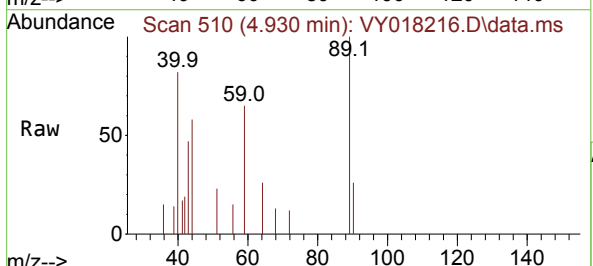
Instrument :  
MSVOA\_Y  
ClientSampleId :

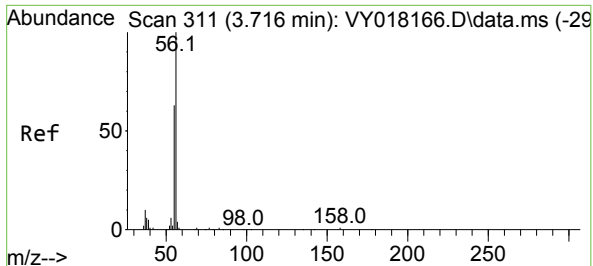
Tgt Ion:168 Resp: 176678  
Ion Ratio Lower Upper  
168 100  
99 55.5 39.1 58.7



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.930 min Scan# 510  
Delta R.T. -0.018 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

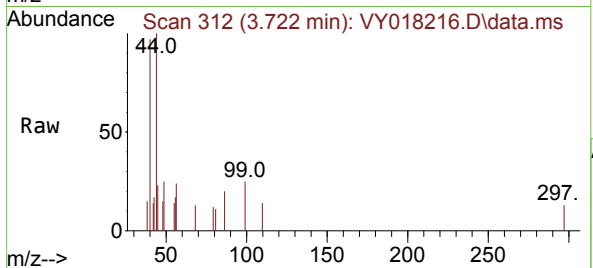
Tgt Ion: 59 Resp: 729  
Ion Ratio Lower Upper  
59 100  
57 6.7 3.0 4.6#



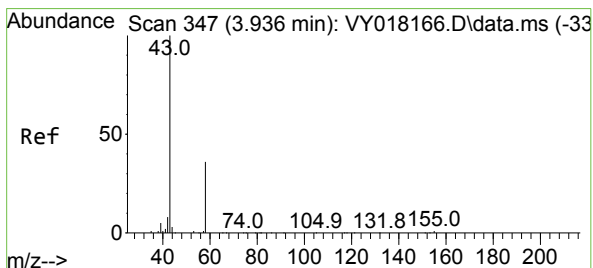
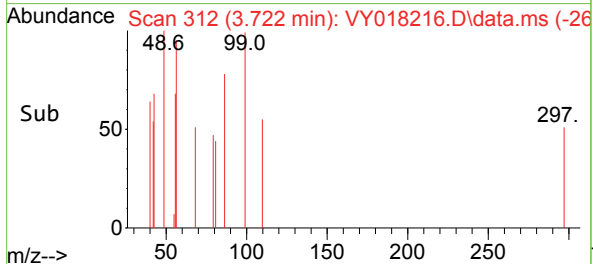
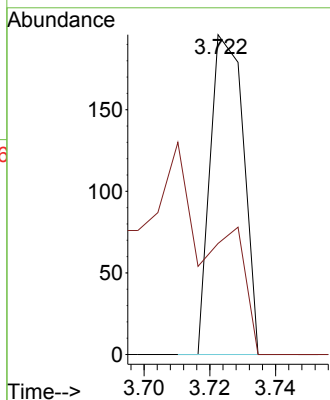


#13  
Acrolein  
Concen: Below Cal  
RT: 3.722 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

Instrument :  
MSVOA\_Y  
ClientSampleId :

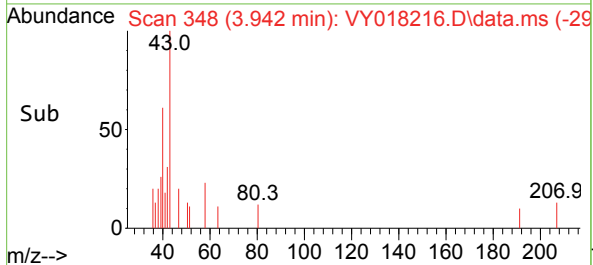
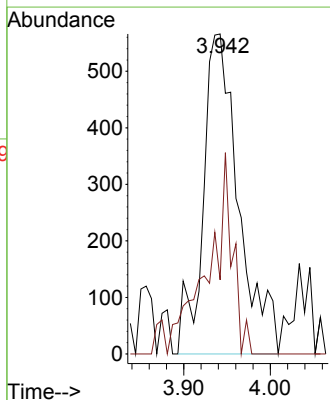
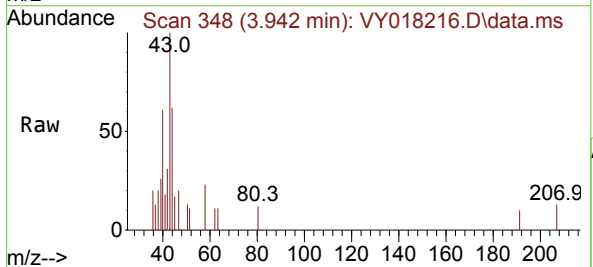


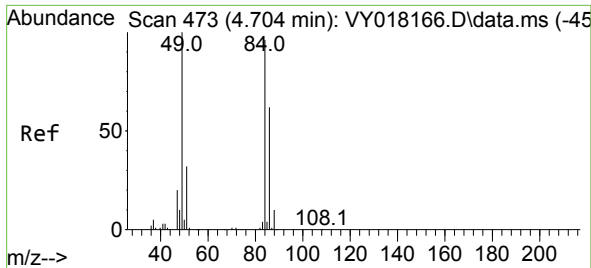
Tgt Ion: 56 Resp: 137  
Ion Ratio Lower Upper  
56 100  
55 152.6 55.7 83.5#



#16  
Acetone  
Concen: 6.211 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

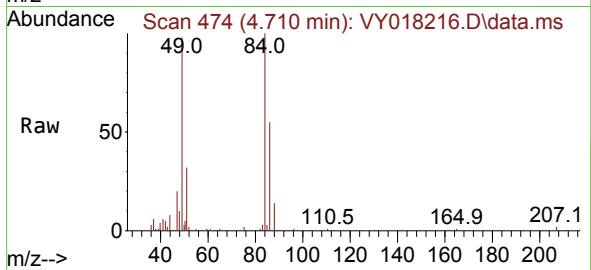
Tgt Ion: 43 Resp: 1611  
Ion Ratio Lower Upper  
43 100  
58 23.1 31.7 47.5#



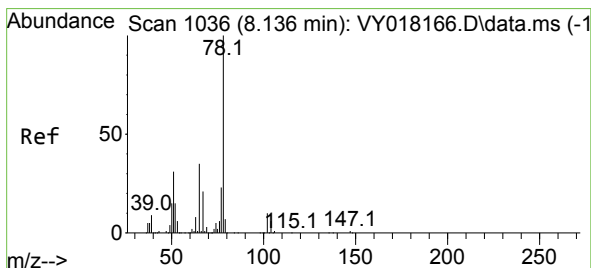
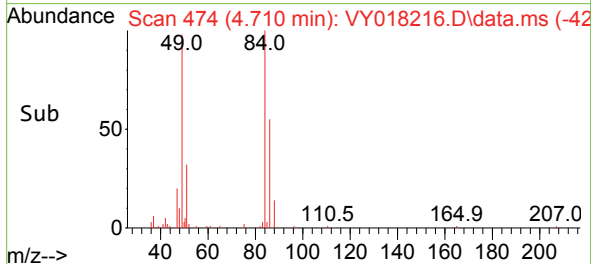
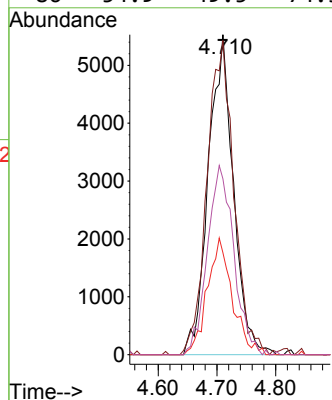


#20  
Methylene Chloride  
Concen: 8.920 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

Instrument :  
MSVOA\_Y  
ClientSampleId :

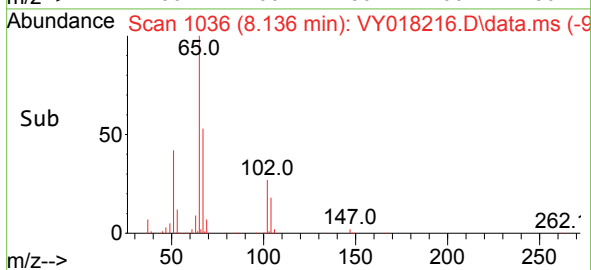
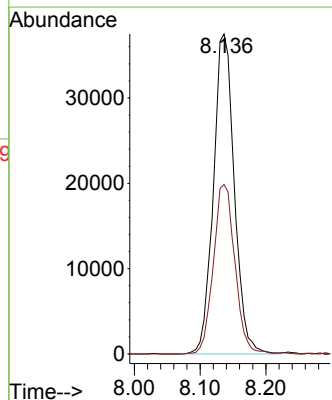
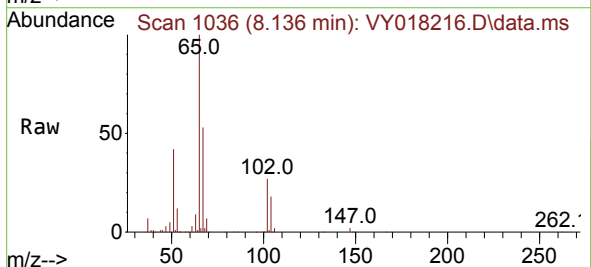


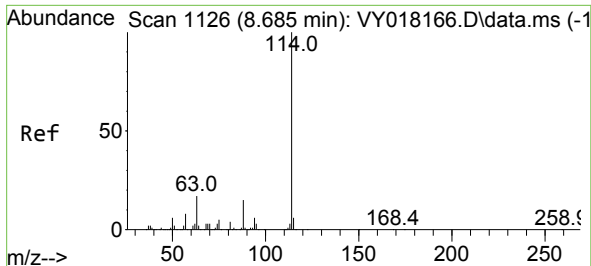
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 16354 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 98.2  | 84.4  | 126.6 |
| 51       | 31.9  | 26.0  | 39.0  |
| 86       | 54.9  | 49.5  | 74.3  |



#33  
1,2-Dichloroethane-d4  
Concen: 63.914 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 83073 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 54.6  | 0.0   | 109.6 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

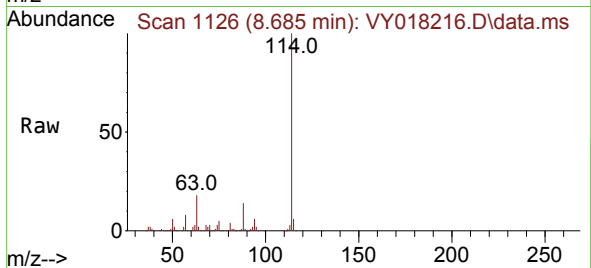
Lab File: VY018216.D

Acq: 09 May 2024 17:42

Instrument :

MSVOA\_Y

ClientSampleId :



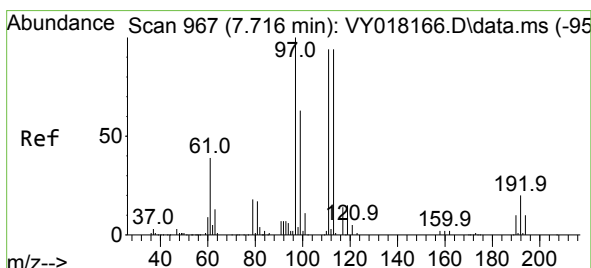
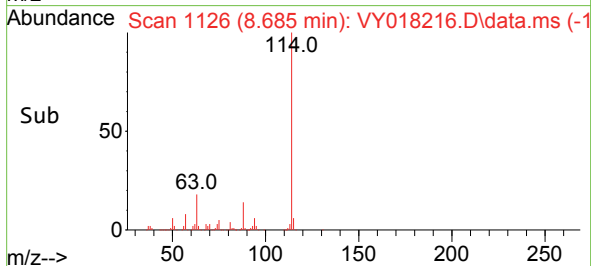
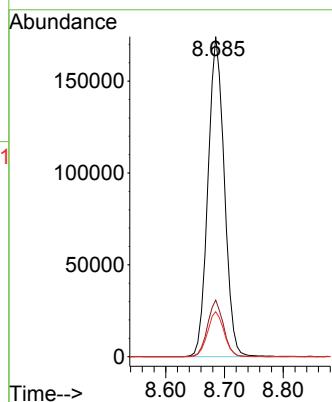
Tgt Ion:114 Resp: 336225

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 14.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.649 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY018216.D

Acq: 09 May 2024 17:42

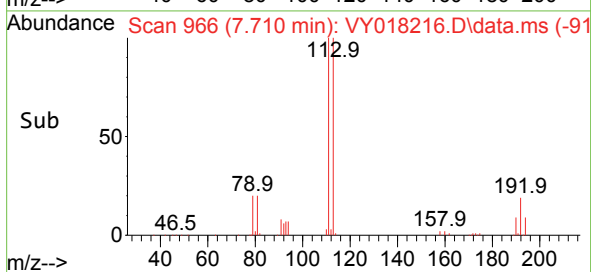
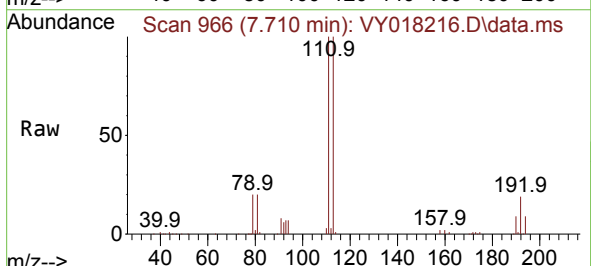
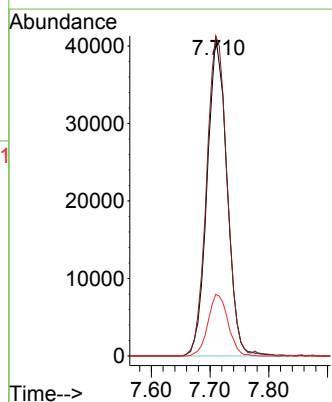
Tgt Ion:113 Resp: 96566

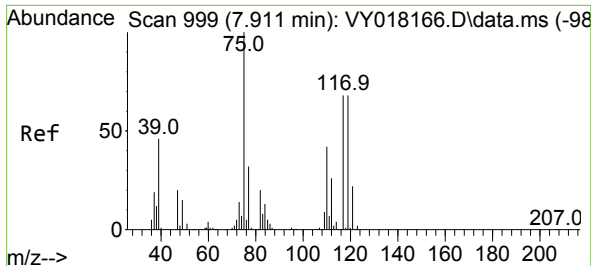
Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.4

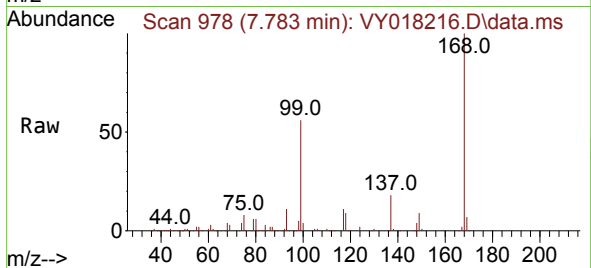
192 19.5 15.9 23.9



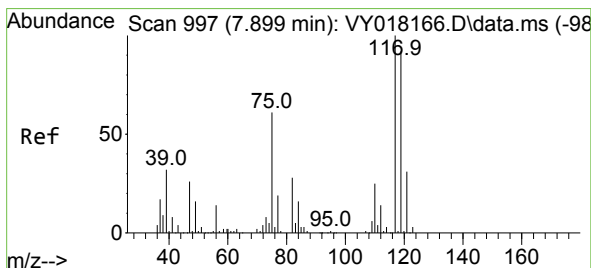
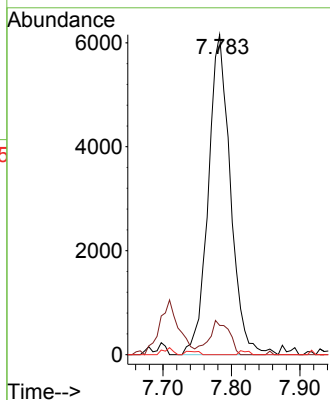
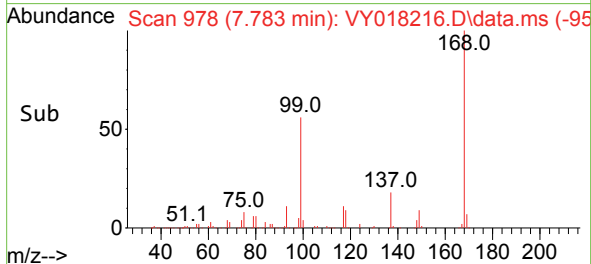


#36  
1,1-Dichloropropene  
Concen: 5.449 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

Instrument :  
MSVOA\_Y  
ClientSampleId :

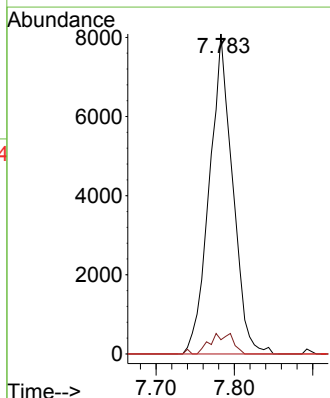
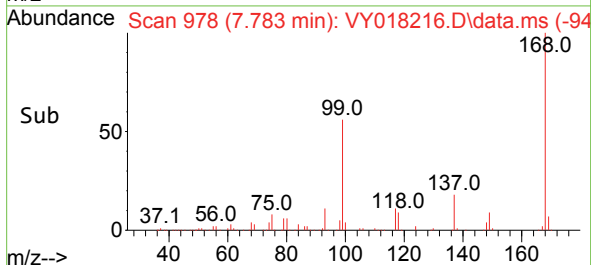
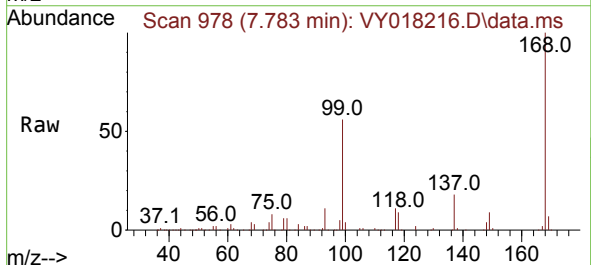


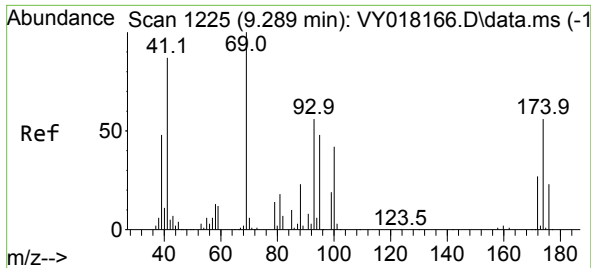
Tgt Ion: 75 Resp: 13803  
Ion Ratio Lower Upper  
75 100  
110 9.7 19.0 57.0#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.017 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.116 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

Tgt Ion: 117 Resp: 16654  
Ion Ratio Lower Upper  
117 100  
119 4.4 75.8 113.6#  
121 0.0 24.0 36.0#

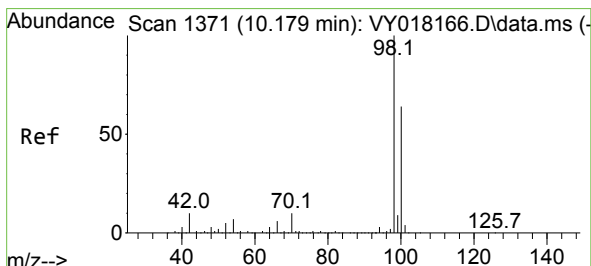
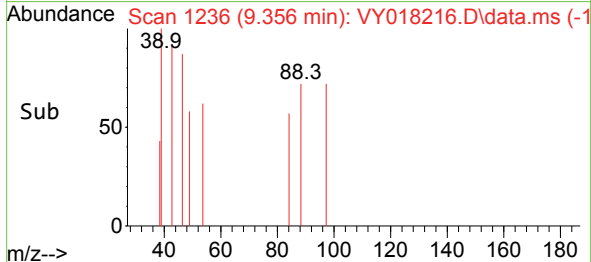
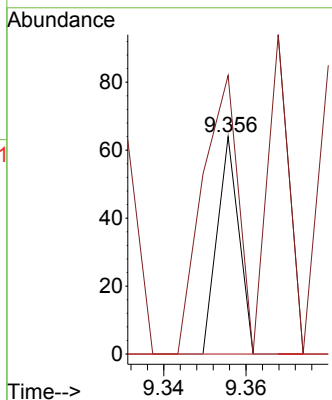
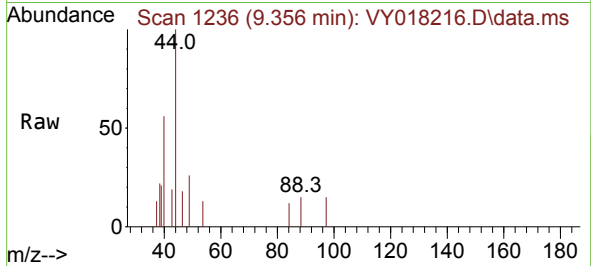




#49  
1,4-Dioxane  
Concen: 1.692 ug/l  
RT: 9.356 min Scan# 1236  
Delta R.T. 0.067 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

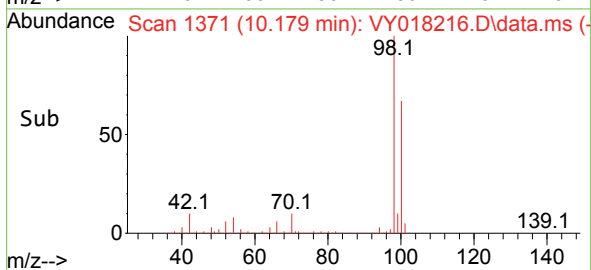
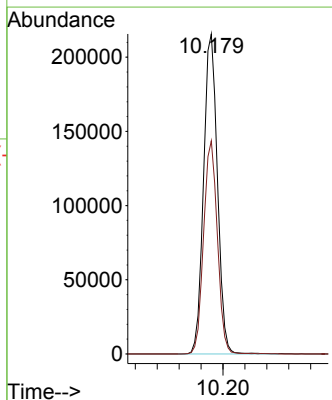
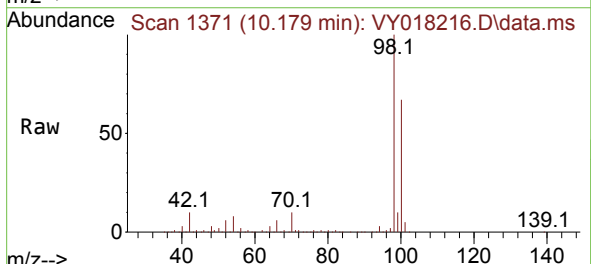
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 88 Resp: 23  
Ion Ratio Lower Upper  
88 100  
43 213.0 0.0 0.0#  
58 0.0 49.3 73.9#

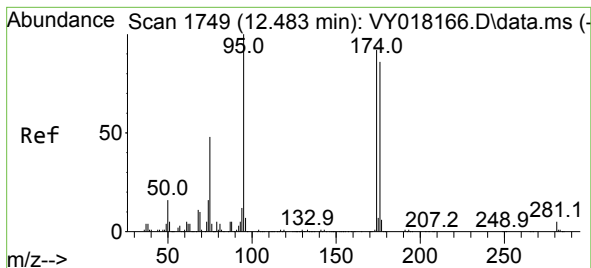


#50  
Toluene-d8  
Concen: 54.056 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

Tgt Ion: 98 Resp: 376398  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.0 78.0



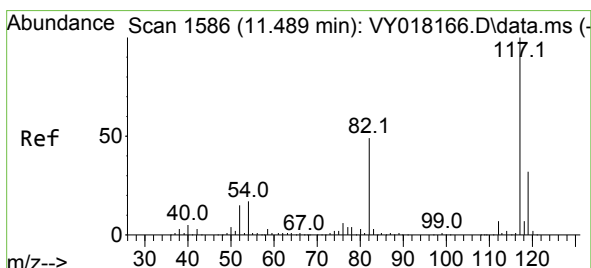
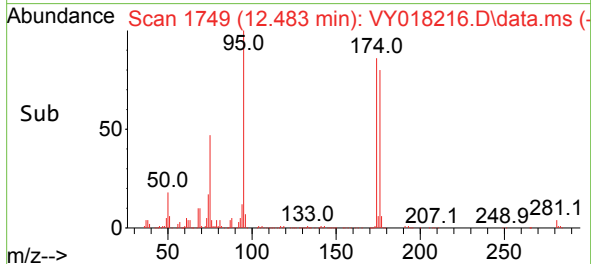
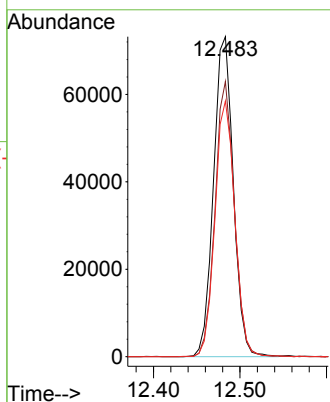
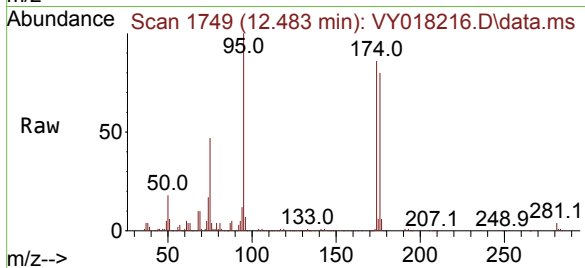




#62  
4-Bromofluorobenzene  
Concen: 51.731 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

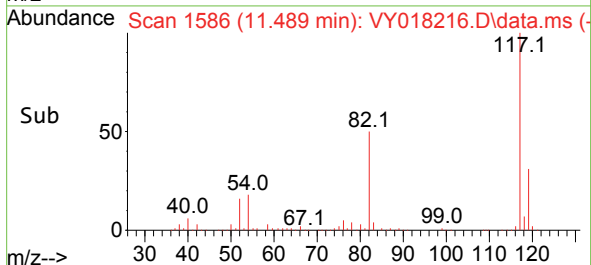
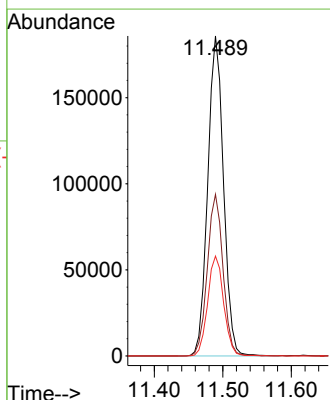
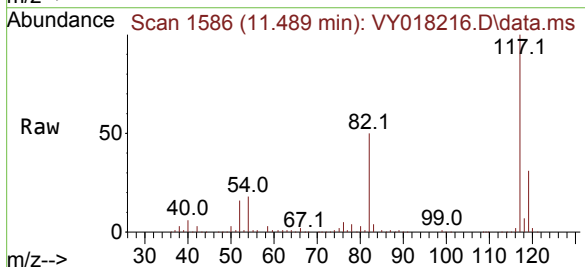
Instrument :  
MSVOA\_Y  
ClientSampleId :

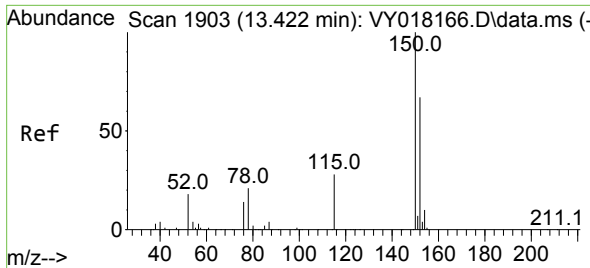
Tgt Ion: 95 Resp: 116328  
Ion Ratio Lower Upper  
95 100  
174 83.8 0.0 175.6  
176 80.4 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

Tgt Ion: 117 Resp: 297171  
Ion Ratio Lower Upper  
117 100  
82 50.5 42.4 63.6  
119 31.2 25.9 38.9

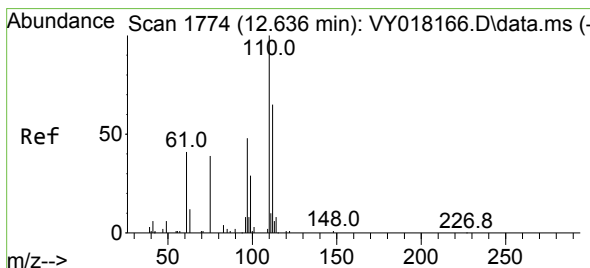
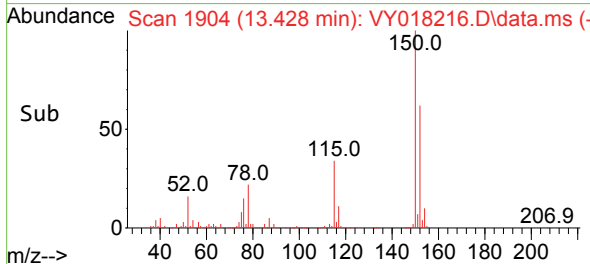
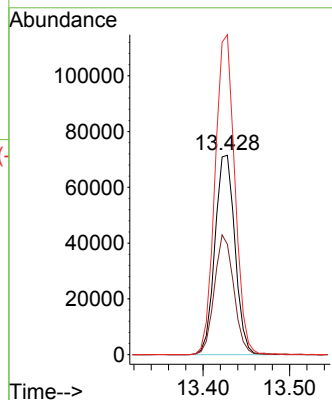
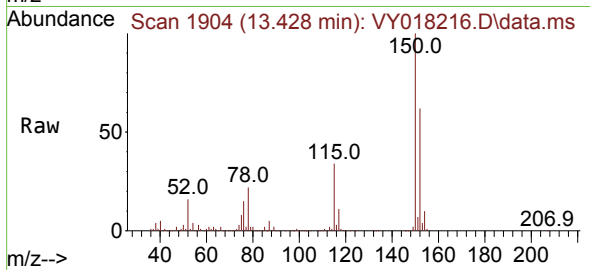




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1903  
 Delta R.T. 0.006 min  
 Lab File: VY018216.D  
 Acq: 09 May 2024 17:42

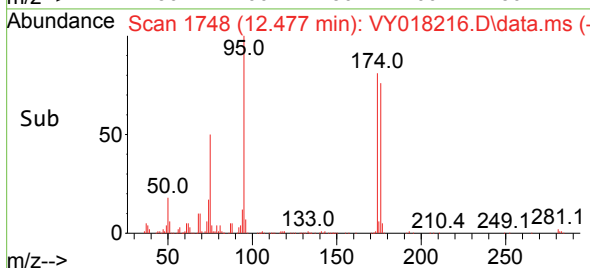
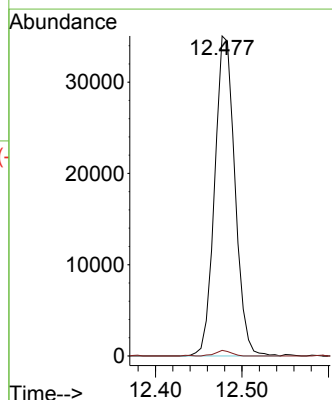
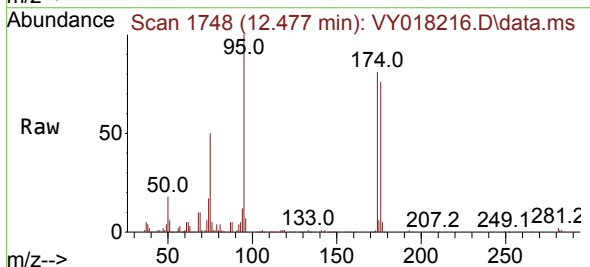
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

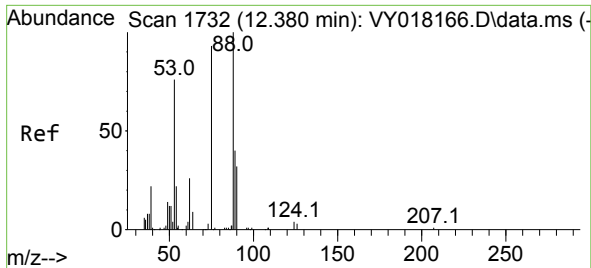
Tgt Ion:152 Resp: 114919  
 Ion Ratio Lower Upper  
 152 100  
 115 58.3 28.2 84.7  
 150 159.2 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 61.934 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.159 min  
 Lab File: VY018216.D  
 Acq: 09 May 2024 17:42

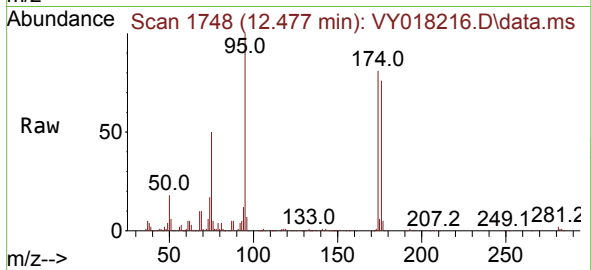
Tgt Ion: 75 Resp: 56970  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 119.326 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY018216.D  
Acq: 09 May 2024 17:42

Instrument :  
MSVOA\_Y  
ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.1   | 66.8  | 100.2# |
| 89      | 0.1   | 35.8  | 53.6#  |

