

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112123\  
 Data File : VY016442.D  
 Acq On : 21 Nov 2023 16:58  
 Operator : SY/MD  
 Sample : 05449-11RE  
 Misc : 4.32g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 22 01:19:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

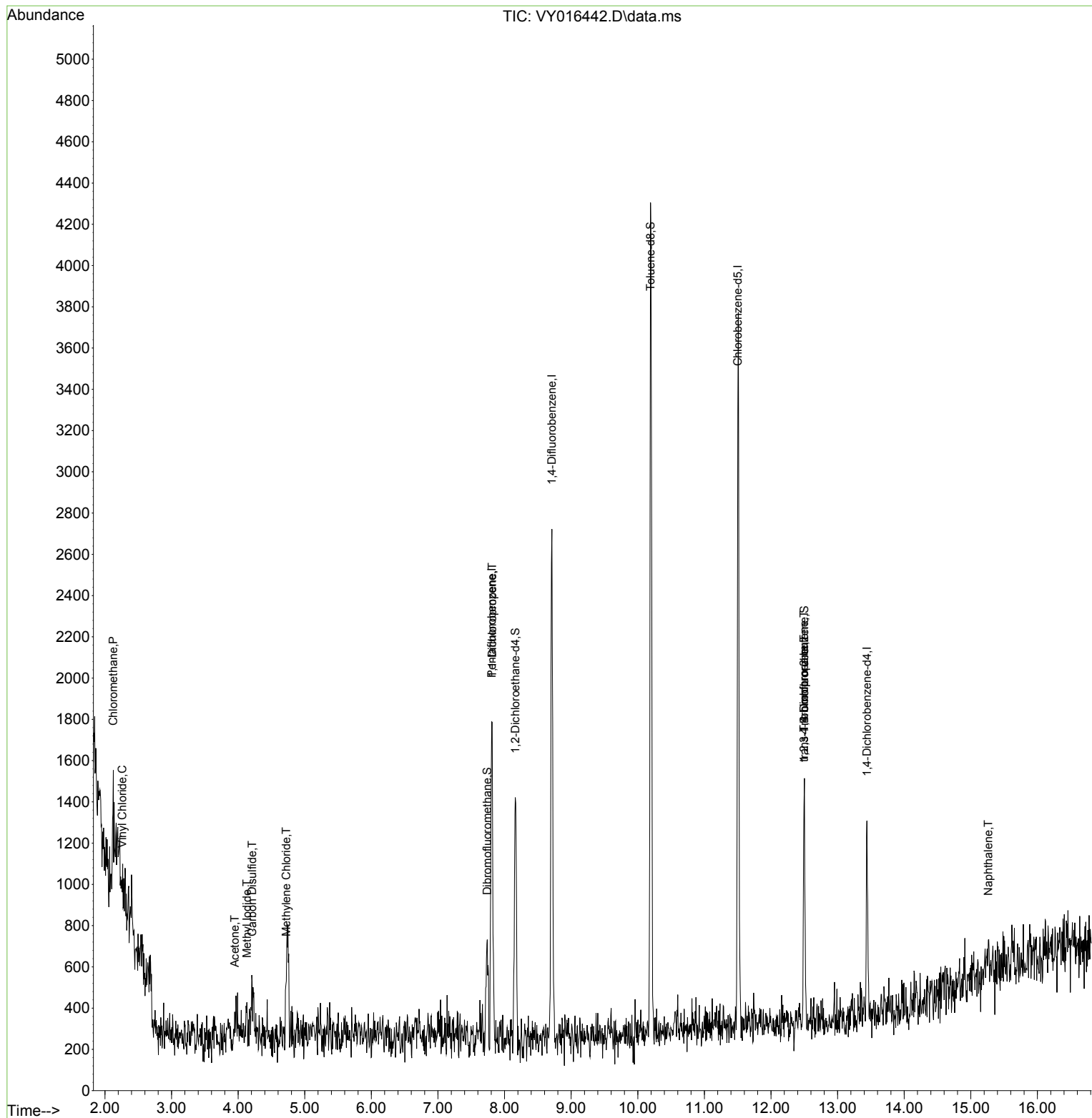
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.807  | 168   | 1609     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.710  | 114   | 2817     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.502 | 117   | 2370     | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.441 | 152   | 380      | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.161  | 65    | 1150     | 78.201   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 156.400% |          |
| 35) Dibromofluoromethane      | 7.740  | 113   | 427      | 26.684   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 53.360%# |          |
| 50) Toluene-d8                | 10.191 | 98    | 3089     | 47.602   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 95.200%  |          |
| 62) 4-Bromofluorobenzene      | 12.502 | 95    | 537      | 25.479   | ug/l       | 0.01     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 50.960%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 2.125  | 50    | 84       | 4.553    | ug/l #     | 43       |
| 4) Vinyl Chloride             | 2.260  | 62    | 49       | 2.470    | ug/l #     | 44       |
| 10) Methyl Iodide             | 4.131  | 142   | 128      | 6.817    | ug/l #     | 38       |
| 16) Acetone                   | 3.948  | 43    | 136      | 55.910   | ug/l #     | 46       |
| 17) Carbon Disulfide          | 4.210  | 76    | 469      | 9.560    | ug/l #     | 76       |
| 20) Methylene Chloride        | 4.723  | 84    | 185      | 7.830    | ug/l #     | 47       |
| 36) 1,1-Dichloropropene       | 7.813  | 75    | 40       | 1.440    | ug/l #     | 41       |
| 76) 1,2,3-Trichloropropane    | 12.496 | 75    | 247      | 67.759   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.496 | 75    | 247      | 147.075  | ug/l #     | 10       |
| 95) Naphthalene               | 15.263 | 128   | 142      | 11.863   | ug/l #     | 69       |
| -----                         |        |       |          |          |            |          |

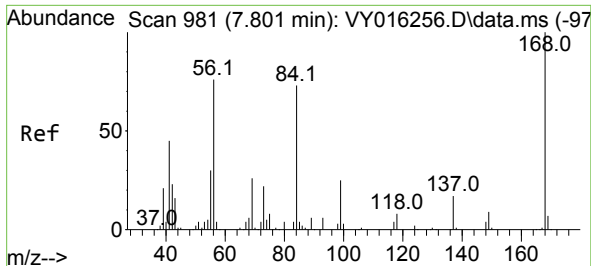
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

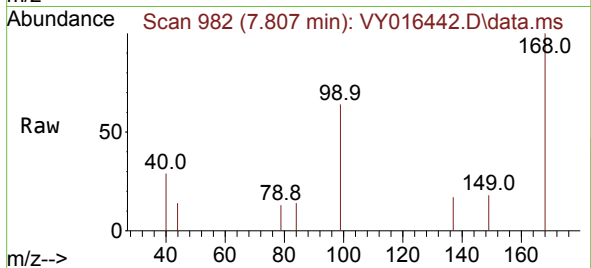
Quant Time: Nov 22 01:19:43 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration



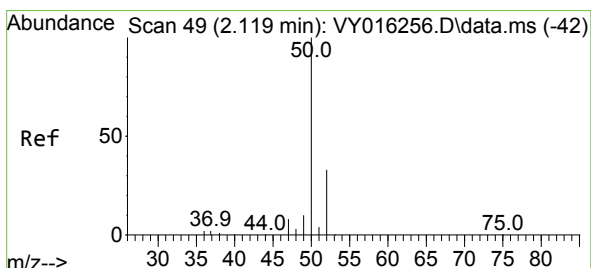
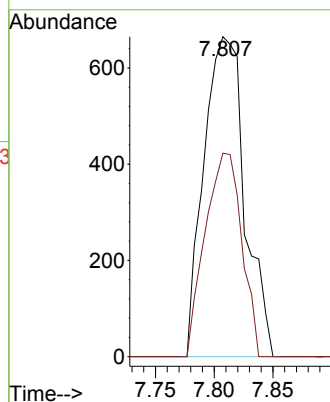
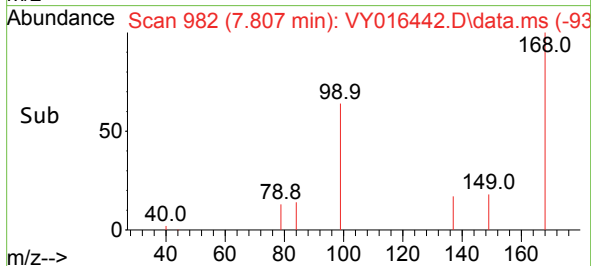


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016442.D  
Acq: 21 Nov 2023 16:58

Instrument :  
MSVOA\_Y  
ClientSampleId :

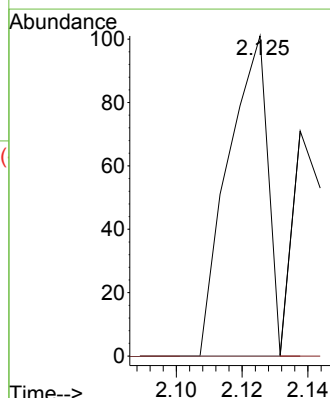
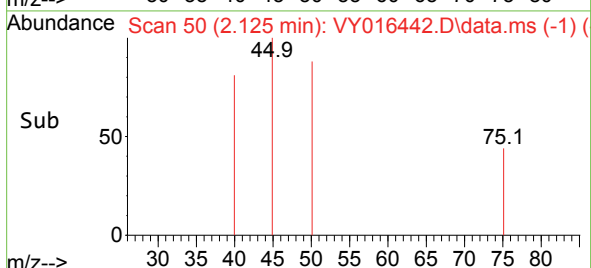
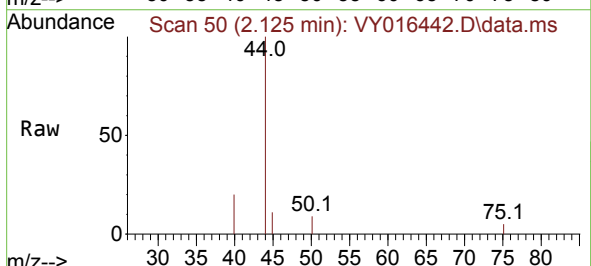


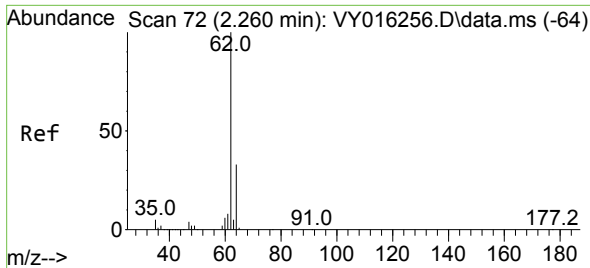
Tgt Ion:168 Resp: 1609  
Ion Ratio Lower Upper  
168 100  
99 63.6 43.4 65.0



#3  
Chloromethane  
Concen: 4.553 ug/l  
RT: 2.125 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VY016442.D  
Acq: 21 Nov 2023 16:58

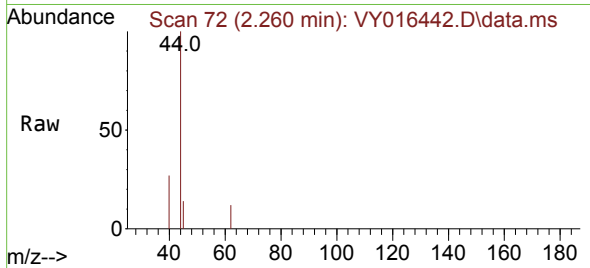
Tgt Ion: 50 Resp: 84  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.4 38.2#



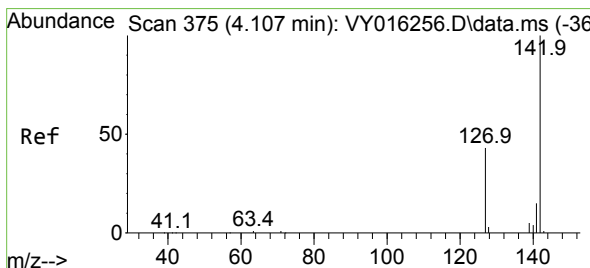
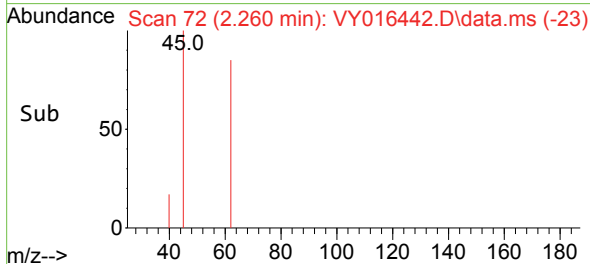
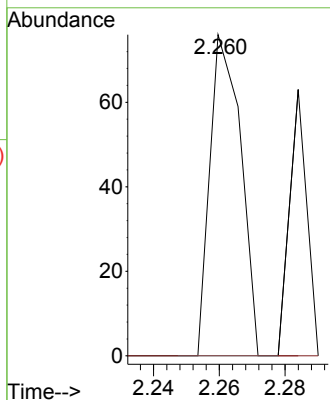


#4  
 Vinyl Chloride  
 Concen: 2.470 ug/l  
 RT: 2.260 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VY016442.D  
 Acq: 21 Nov 2023 16:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

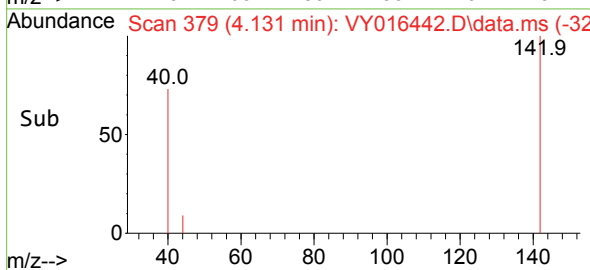
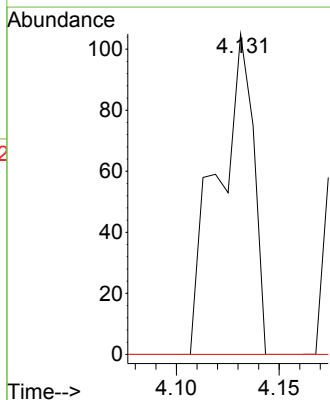
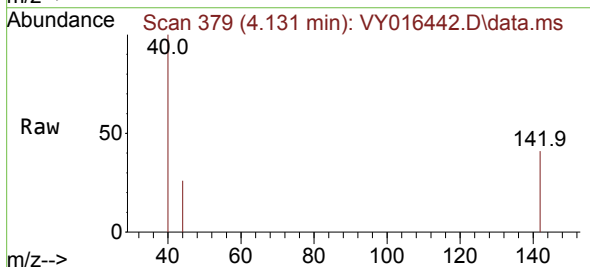


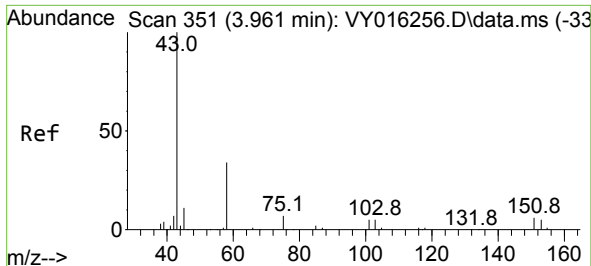
Tgt Ion: 62 Resp: 49  
 Ion Ratio Lower Upper  
 62 100  
 64 0.0 24.3 36.5#



#10  
 Methyl Iodide  
 Concen: 6.817 ug/l  
 RT: 4.131 min Scan# 379  
 Delta R.T. 0.024 min  
 Lab File: VY016442.D  
 Acq: 21 Nov 2023 16:58

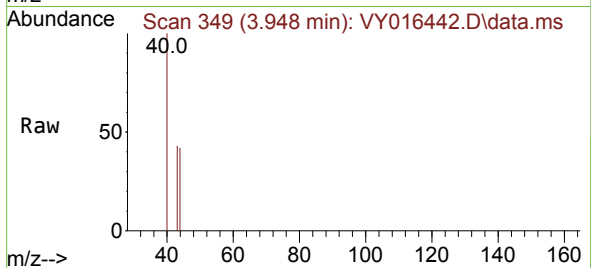
Tgt Ion: 142 Resp: 128  
 Ion Ratio Lower Upper  
 142 100  
 127 0.0 37.6 56.4#  
 141 0.0 11.8 17.8#



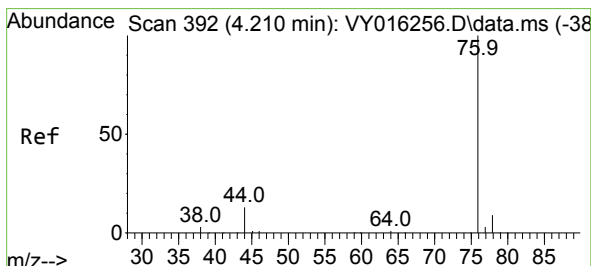
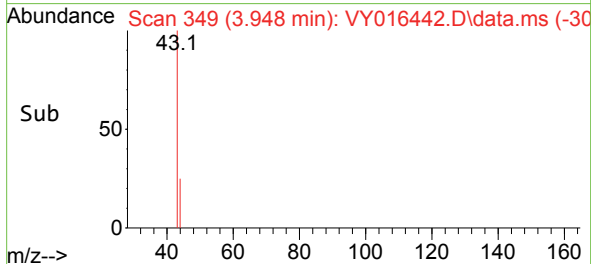
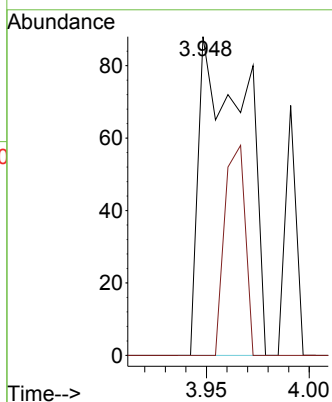


#16  
Acetone  
Concen: 55.910 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.012 min  
Lab File: VY016442.D  
Acq: 21 Nov 2023 16:58

Instrument :  
MSVOA\_Y  
ClientSampleId :

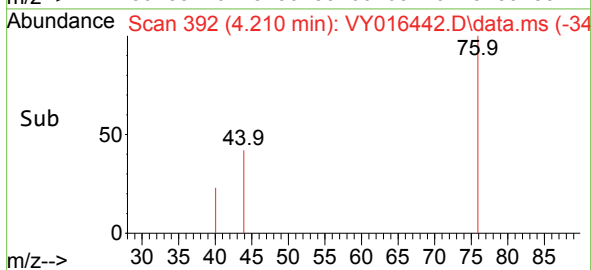
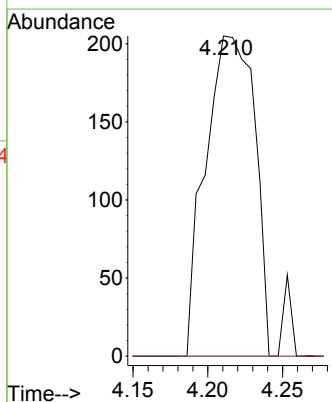
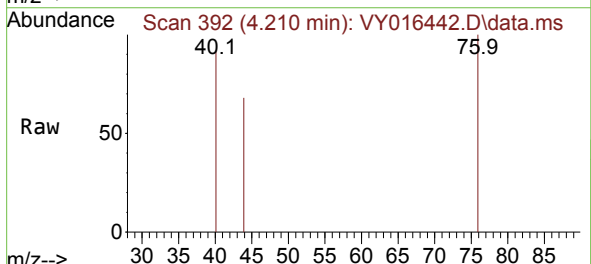


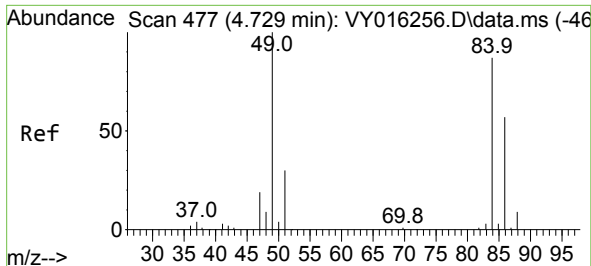
Tgt Ion: 43 Resp: 136  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.7 34.1#



#17  
Carbon Disulfide  
Concen: 9.560 ug/l  
RT: 4.210 min Scan# 392  
Delta R.T. -0.000 min  
Lab File: VY016442.D  
Acq: 21 Nov 2023 16:58

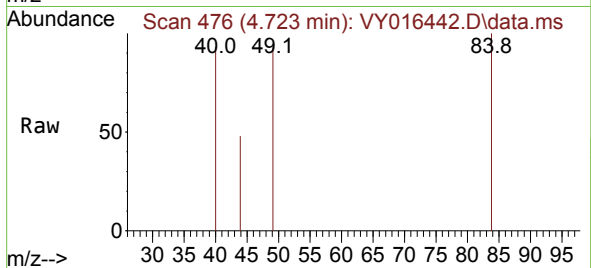
Tgt Ion: 76 Resp: 469  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.4#





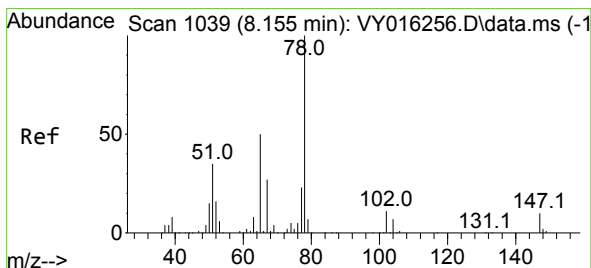
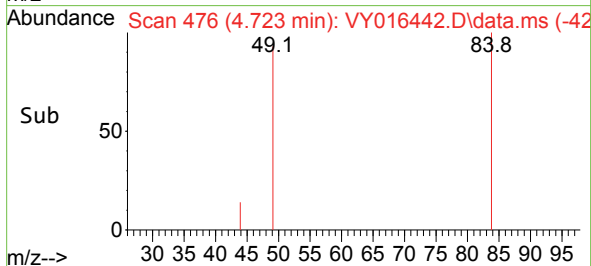
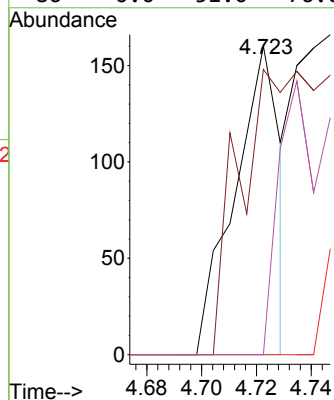
#20  
Methylene Chloride  
Concen: 7.830 ug/l  
RT: 4.723 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY016442.D  
Acq: 21 Nov 2023 16:58

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 185

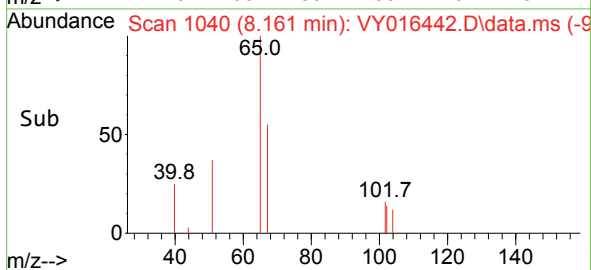
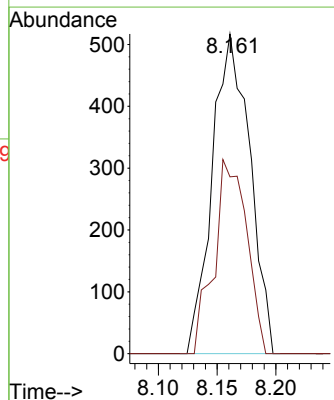
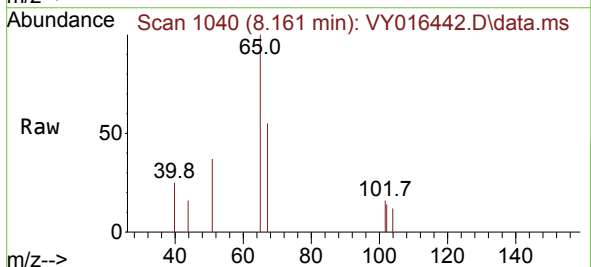
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 92.5  | 106.9 | 160.3# |
| 51  | 0.0   | 33.2  | 49.8#  |
| 86  | 0.0   | 51.0  | 76.6#  |

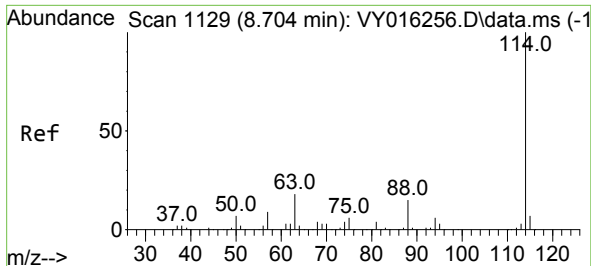


#33  
1,2-Dichloroethane-d4  
Concen: 78.201 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY016442.D  
Acq: 21 Nov 2023 16:58

Tgt Ion: 65 Resp: 1150

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.8  | 0.0   | 101.8 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016442.D

Acq: 21 Nov 2023 16:58

Instrument :

MSVOA\_Y

ClientSampleId :

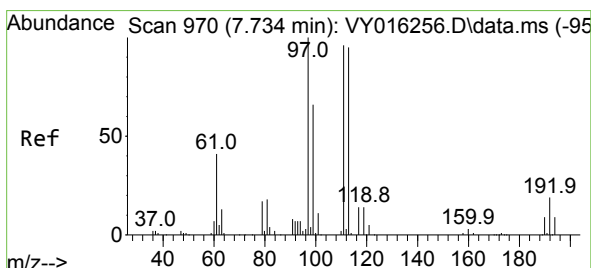
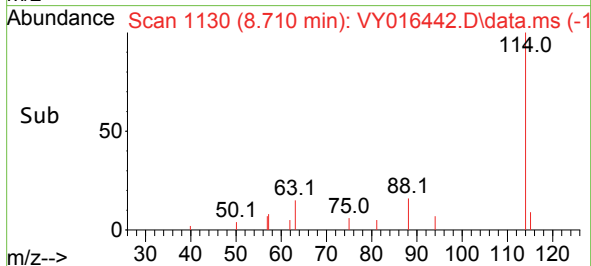
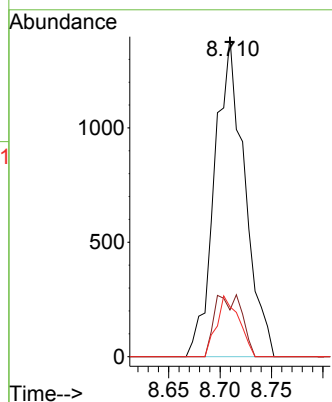
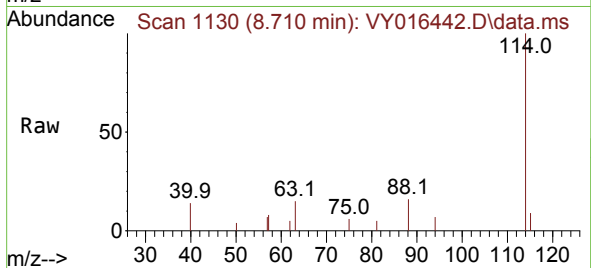
Tgt Ion:114 Resp: 2817

Ion Ratio Lower Upper

114 100

63 14.6 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 26.684 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY016442.D

Acq: 21 Nov 2023 16:58

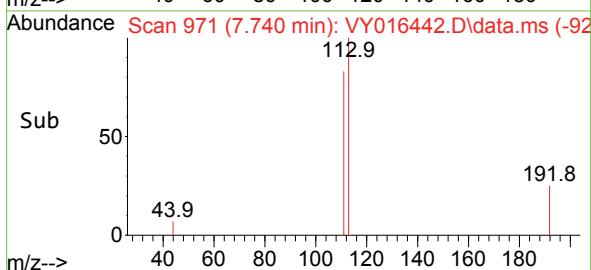
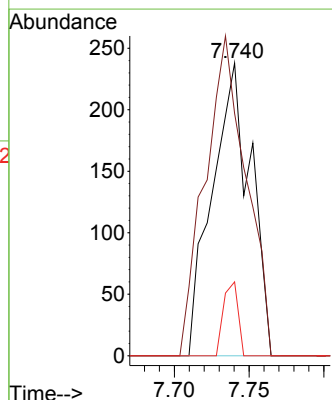
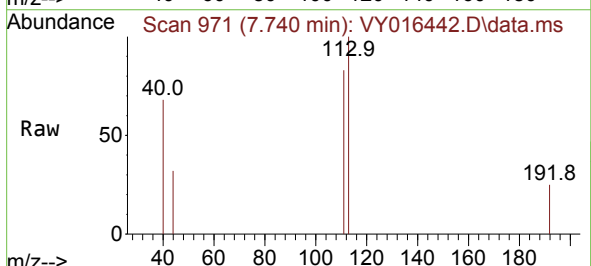
Tgt Ion:113 Resp: 427

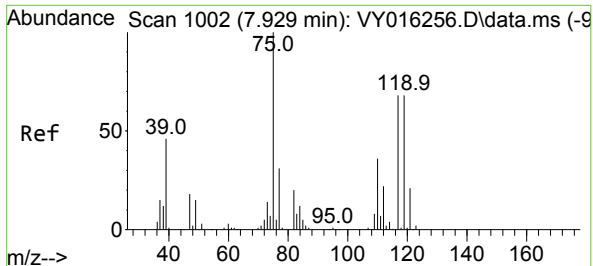
Ion Ratio Lower Upper

113 100

111 115.9 81.3 121.9

192 9.6 16.9 25.3#





#36

1,1-Dichloropropene

Concen: 1.440 ug/l

RT: 7.813 min Scan# 9

Delta R.T. -0.116 min

Lab File: VY016442.D

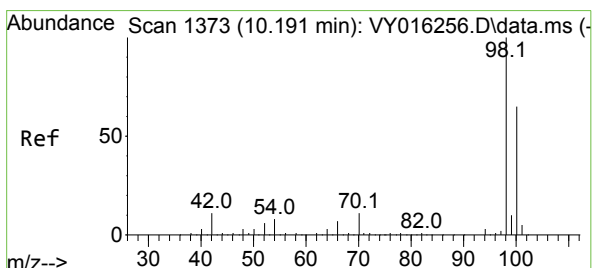
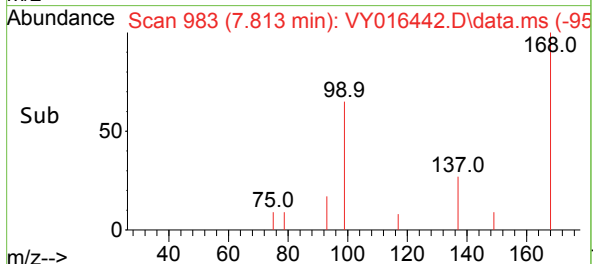
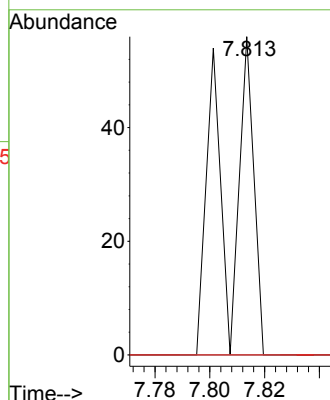
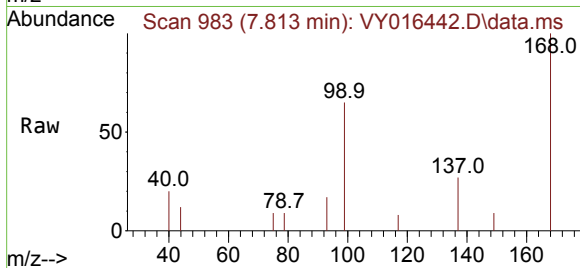
Acq: 21 Nov 2023 16:58

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 75 Resp: 40  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 17.8 53.5#  
 77 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 47.602 ug/l

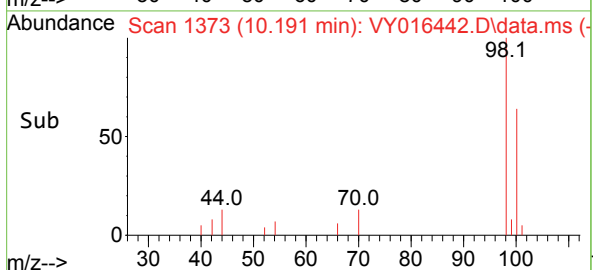
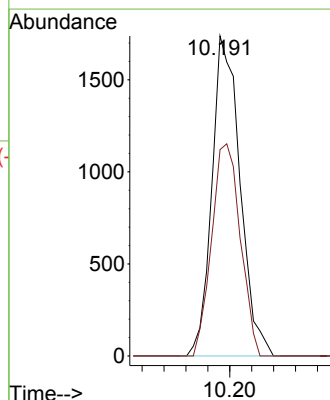
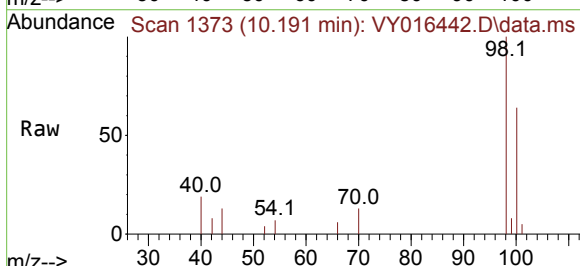
RT: 10.191 min Scan# 1373

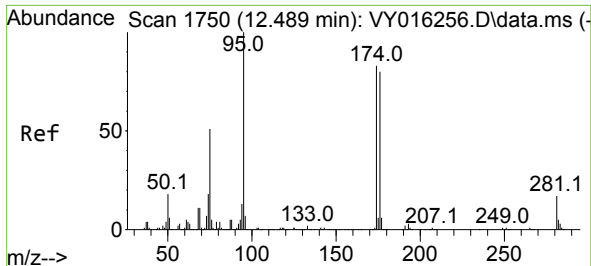
Delta R.T. -0.000 min

Lab File: VY016442.D

Acq: 21 Nov 2023 16:58

Tgt Ion: 98 Resp: 3089  
 Ion Ratio Lower Upper  
 98 100  
 100 67.6 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 25.479 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016442.D

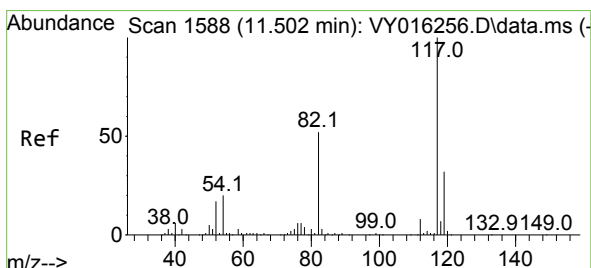
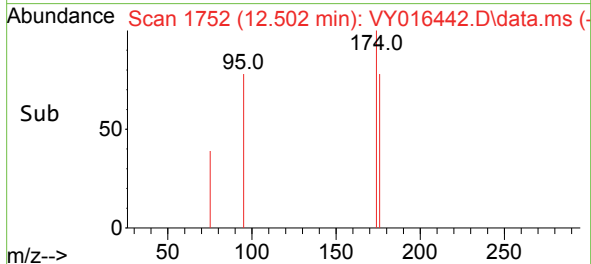
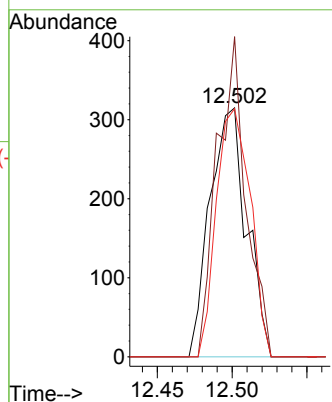
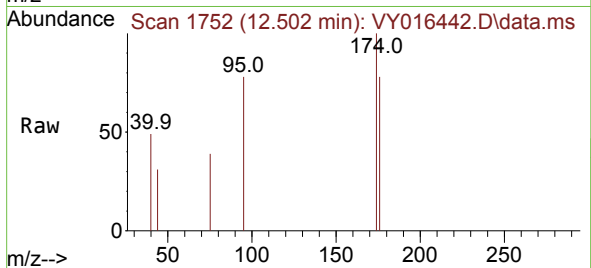
Acq: 21 Nov 2023 16:58

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 537   |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 100.9 | 0.0   | 178.2 |
| 176      | 92.7  | 0.0   | 173.8 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

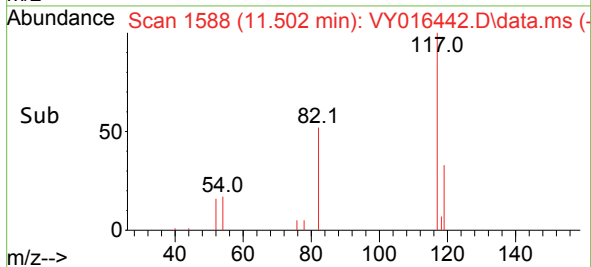
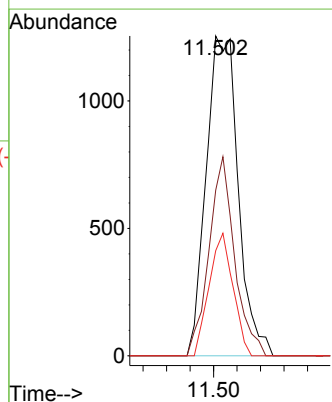
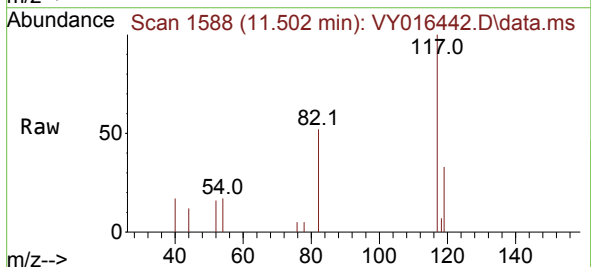
RT: 11.502 min Scan# 1588

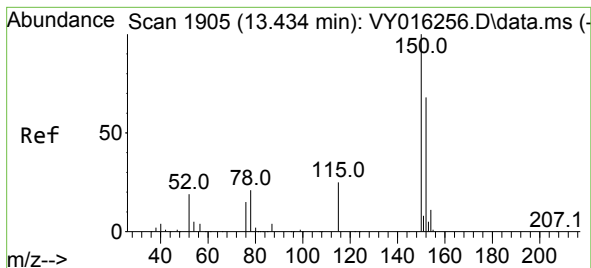
Delta R.T. -0.000 min

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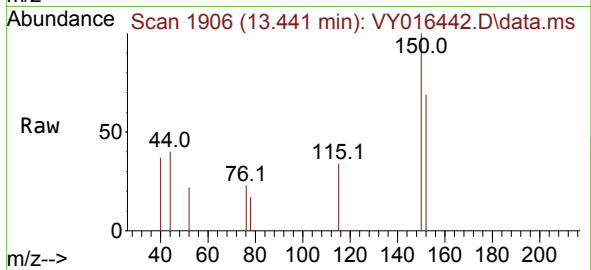
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 2370  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 51.8  | 43.4  | 65.0  |
| 119      | 32.9  | 26.3  | 39.5  |



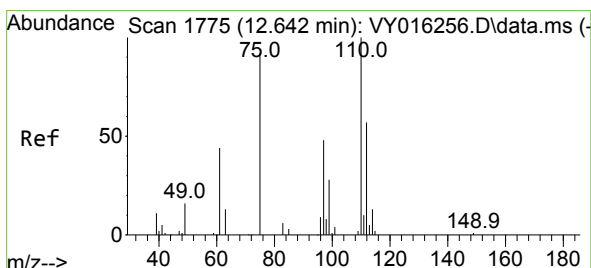
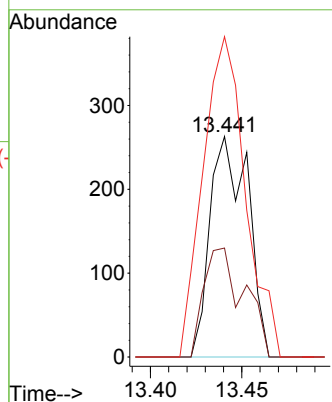
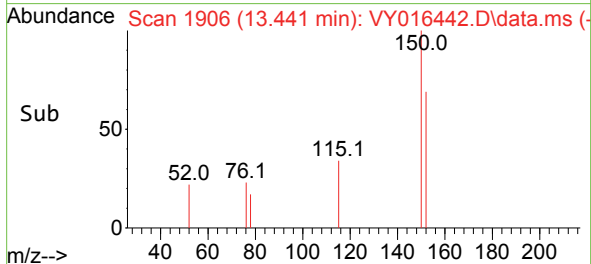


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.441 min Scan# 1905  
 Delta R.T. 0.006 min  
 Lab File: VY016442.D  
 Acq: 21 Nov 2023 16:58

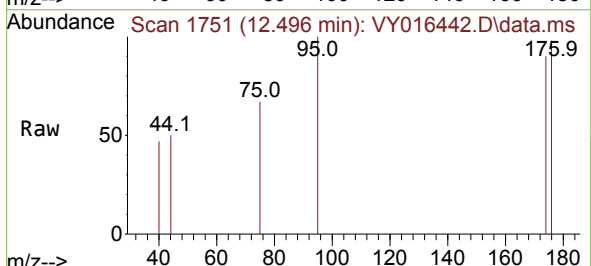
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



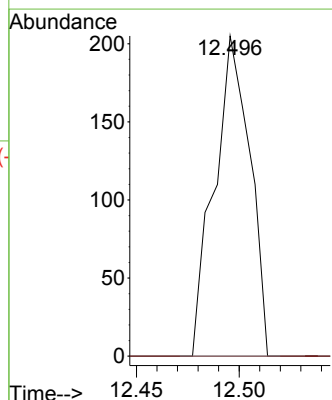
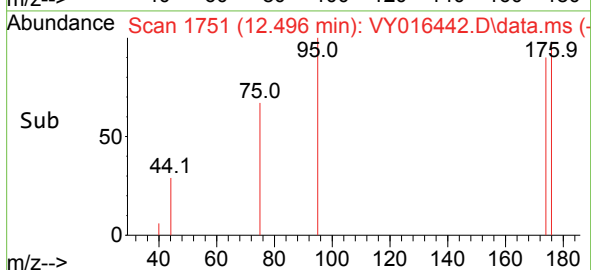
Tgt Ion:152 Resp: 380  
 Ion Ratio Lower Upper  
 152 100  
 115 52.4 28.8 86.5  
 150 162.6 0.0 348.8

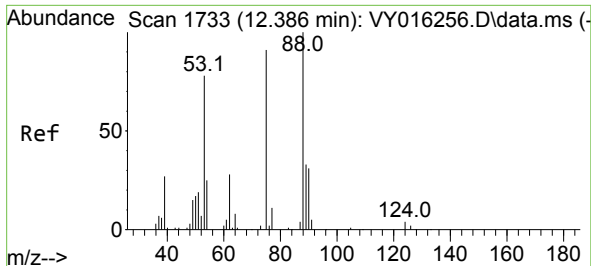


#76  
 1,2,3-Trichloropropane  
 Concen: 67.759 ug/l  
 RT: 12.496 min Scan# 1751  
 Delta R.T. -0.146 min  
 Lab File: VY016442.D  
 Acq: 21 Nov 2023 16:58



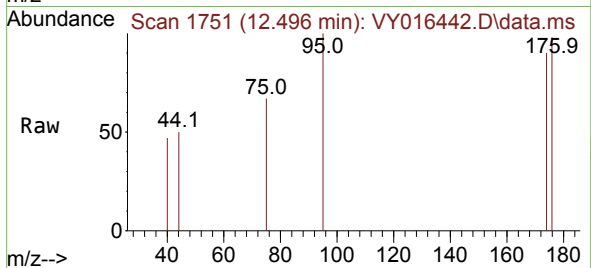
Tgt Ion: 75 Resp: 247  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0



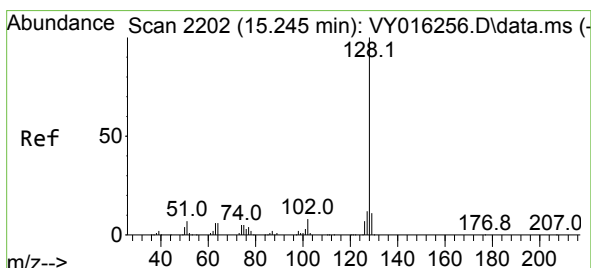
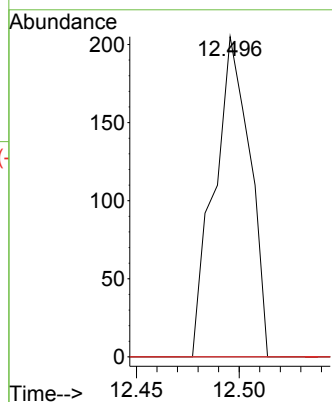
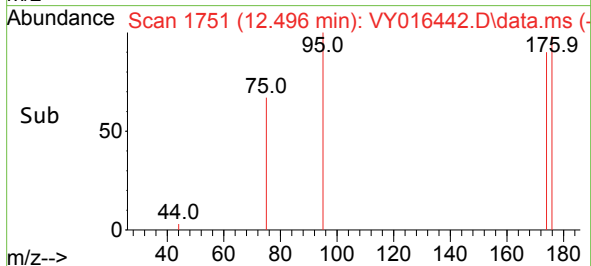


#81  
trans-1,4-Dichloro-2-butene  
Concen: 147.075 ug/l  
RT: 12.496 min Scan# 1751  
Delta R.T. 0.110 min  
Lab File: VY016442.D  
Acq: 21 Nov 2023 16:58

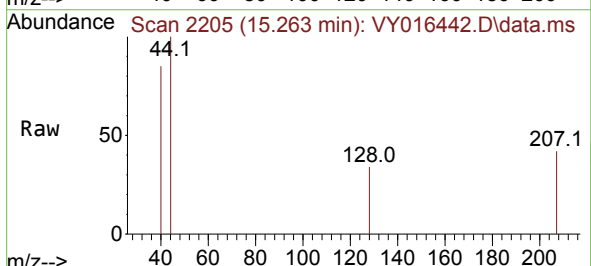
Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 247  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.0 37.4 56.0#



#95  
Naphthalene  
Concen: 11.863 ug/l  
RT: 15.263 min Scan# 2205  
Delta R.T. 0.018 min  
Lab File: VY016442.D  
Acq: 21 Nov 2023 16:58



Tgt Ion: 128 Resp: 142  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.8 16.2#  
129 0.0 8.6 13.0#

