

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111723\  
 Data File : VY016416.D  
 Acq On : 17 Nov 2023 17:39  
 Operator : SY/MD  
 Sample : 05451-02  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 18 05:22:55 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

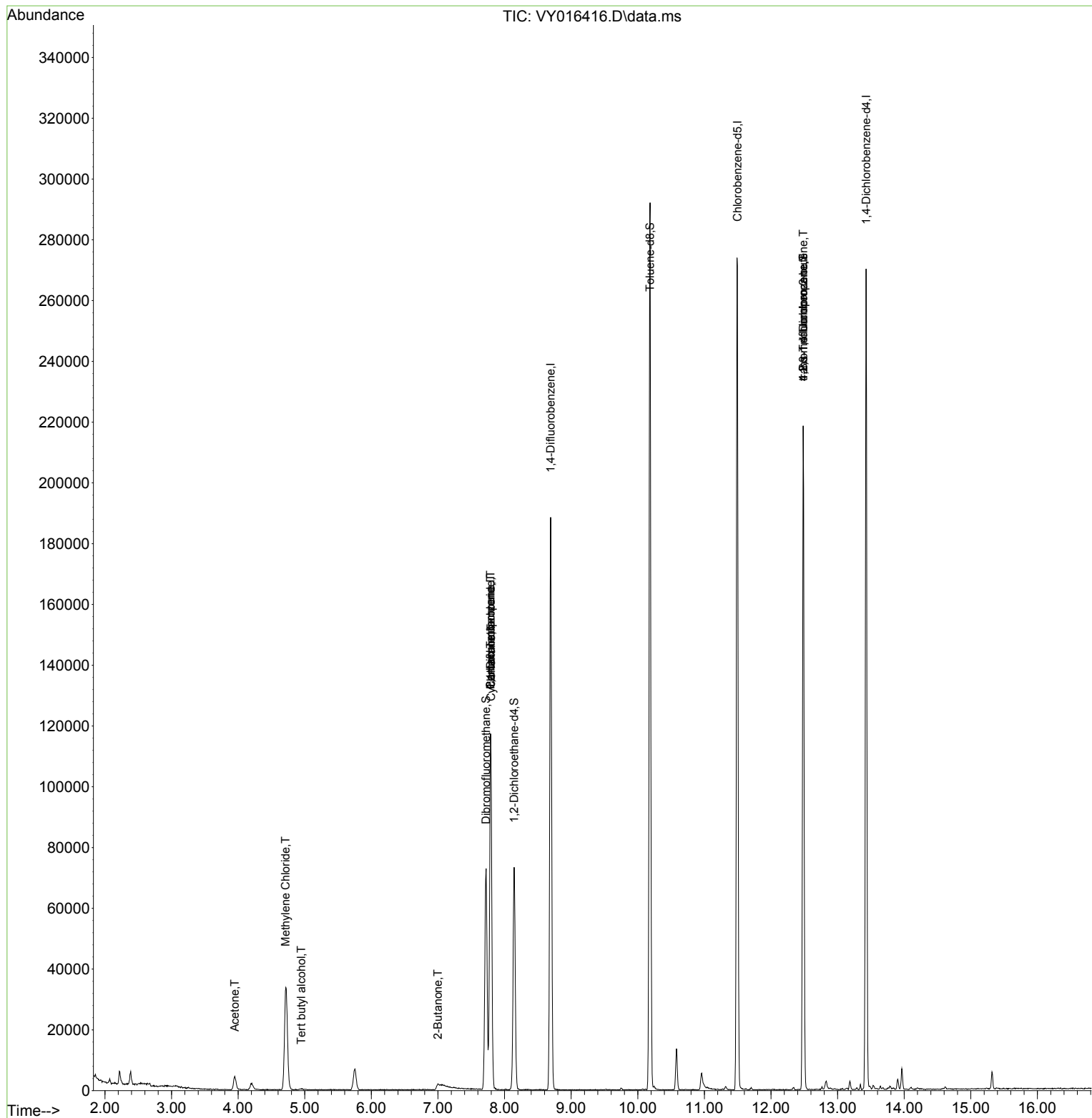
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 93497    | 50.000   | ug/l       | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 164950   | 50.000   | ug/l       | -0.01    |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 158390   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 70509    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 57713    | 67.538   | ug/l       | -0.01    |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 135.080% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 52188    | 55.696   | ug/l       | -0.01    |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 111.400% |          |
| 50) Toluene-d8                | 10.185 | 98    | 194070   | 51.074   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 102.140% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 65006    | 52.674   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 105.340% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.948  | 59    | 740      | 11.059   | ug/l #     | 89       |
| 16) Acetone                   | 3.948  | 43    | 7720     | 54.617   | ug/l #     | 89       |
| 20) Methylene Chloride        | 4.710  | 84    | 27480    | 25.838   | ug/l #     | 83       |
| 25) 2-Butanone                | 6.997  | 43    | 1823     | 7.363    | ug/l       | 99       |
| 31) Cyclohexane               | 7.795  | 56    | 1757     | 1.044    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 6793     | 4.175    | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 9055     | 5.362    | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 32917    | 48.666   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 32917    | 105.634  | ug/l #     | 10       |
| -----                         |        |       |          |          |            |          |

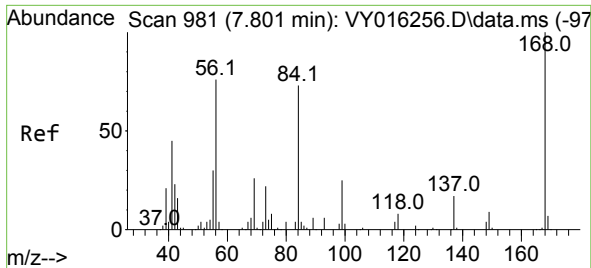
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 05451-02  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

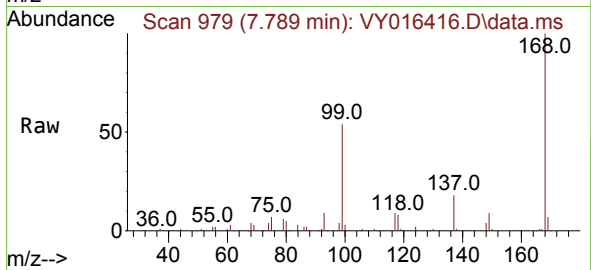
Quant Time: Nov 18 05:22:55 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration



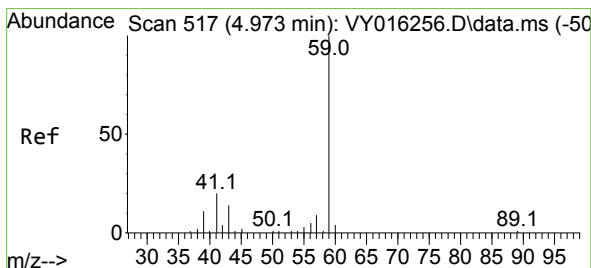
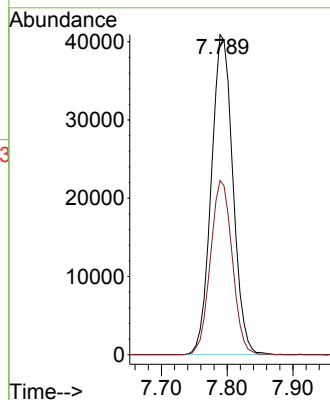
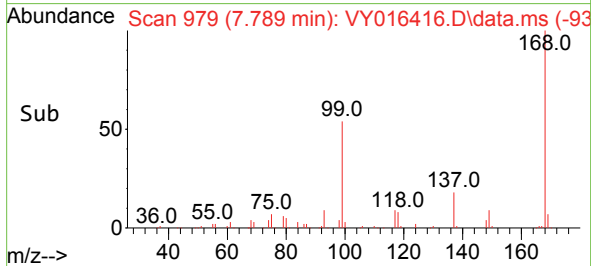


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY016416.D  
Acq: 17 Nov 2023 17:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

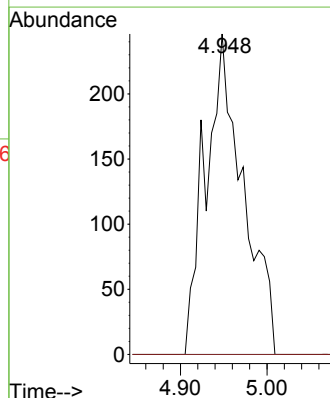
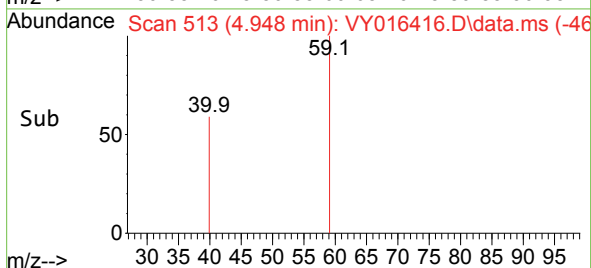
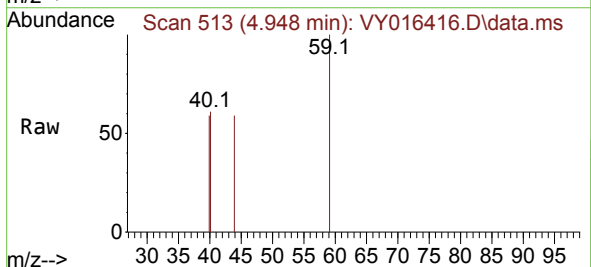


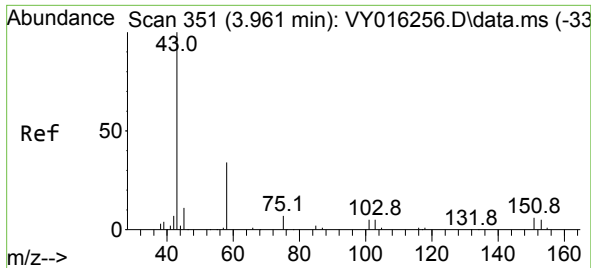
Tgt Ion:168 Resp: 93497  
Ion Ratio Lower Upper  
168 100  
99 54.4 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 11.059 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.024 min  
Lab File: VY016416.D  
Acq: 17 Nov 2023 17:39

Tgt Ion: 59 Resp: 740  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#





#16

Acetone

Concen: 54.617 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.012 min

Lab File: VY016416.D

Acq: 17 Nov 2023 17:39

Instrument :

MSVOA\_Y

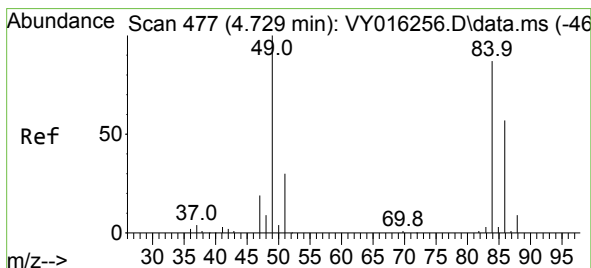
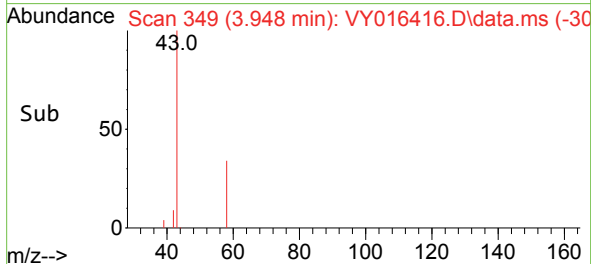
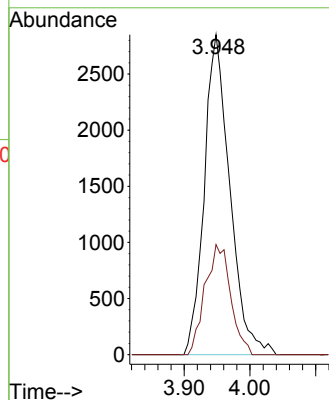
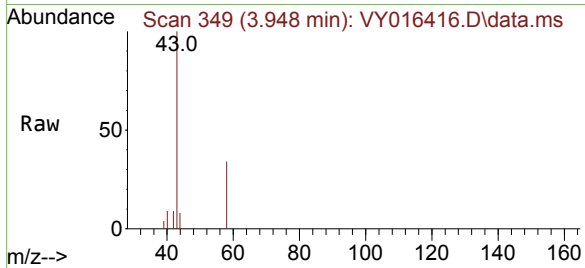
ClientSampleId :

Tgt Ion: 43 Resp: 7720

Ion Ratio Lower Upper

43 100

58 34.4 22.7 34.1#



#20

Methylene Chloride

Concen: 25.838 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.019 min

Lab File: VY016416.D

Acq: 17 Nov 2023 17:39

Tgt Ion: 84 Resp: 27480

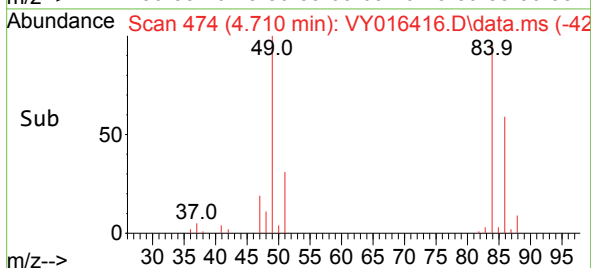
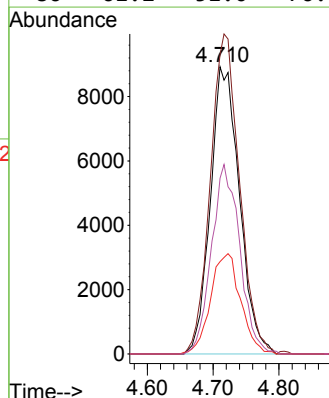
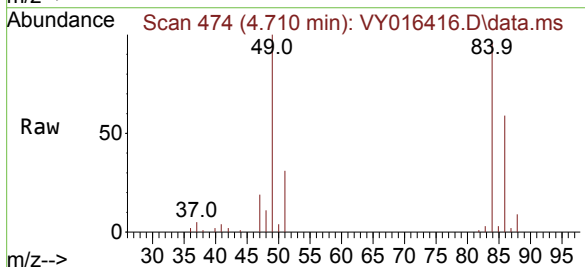
Ion Ratio Lower Upper

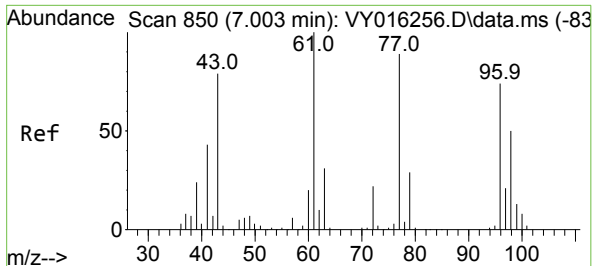
84 100

49 104.2 106.9 160.3#

51 32.2 33.2 49.8#

86 61.2 51.0 76.6





#25

2-Butanone

Concen: 7.363 ug/l

RT: 6.997 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY016416.D

Acq: 17 Nov 2023 17:39

Instrument :

MSVOA\_Y

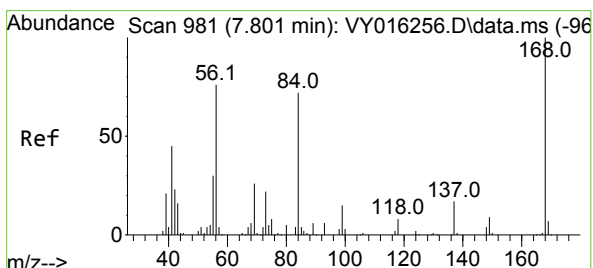
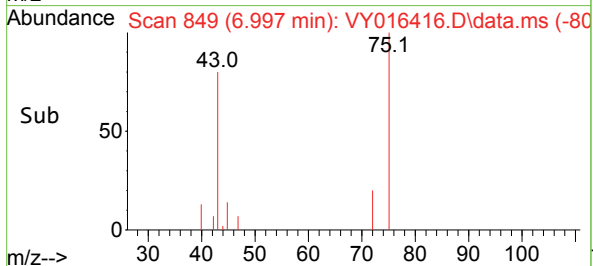
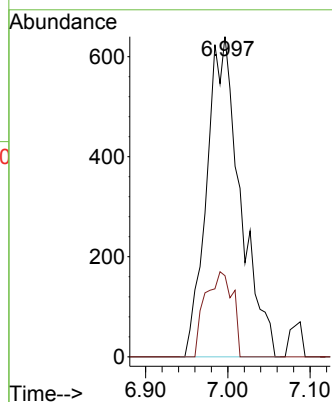
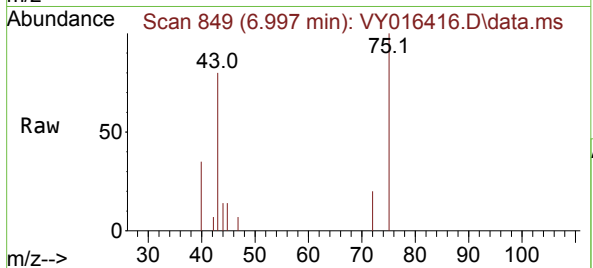
ClientSampleId :

Tgt Ion: 43 Resp: 1823

Ion Ratio Lower Upper

43 100

72 25.3 20.5 30.7



#31

Cyclohexane

Concen: 1.044 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY016416.D

Acq: 17 Nov 2023 17:39

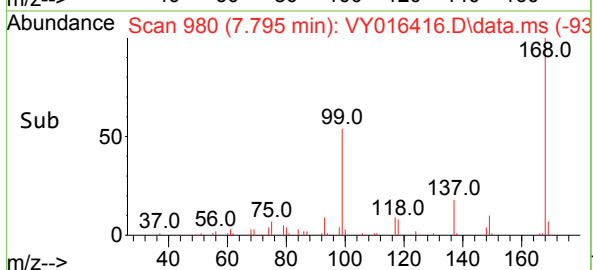
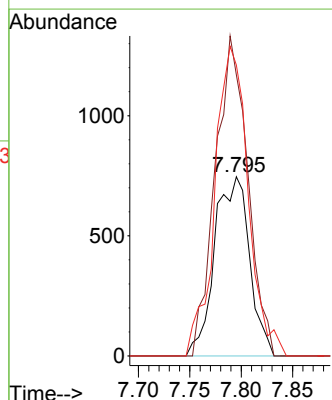
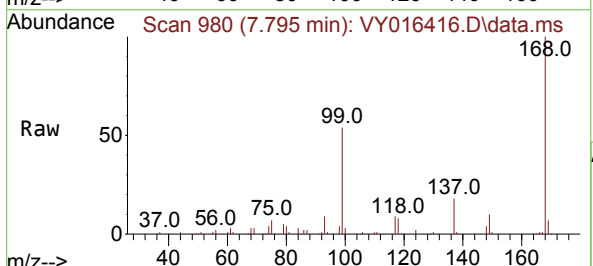
Tgt Ion: 56 Resp: 1757

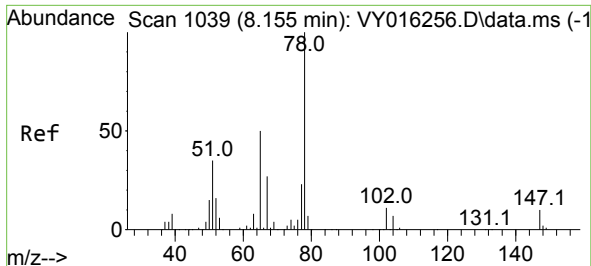
Ion Ratio Lower Upper

56 100

69 156.8 27.8 41.6#

84 162.3 66.4 99.6#

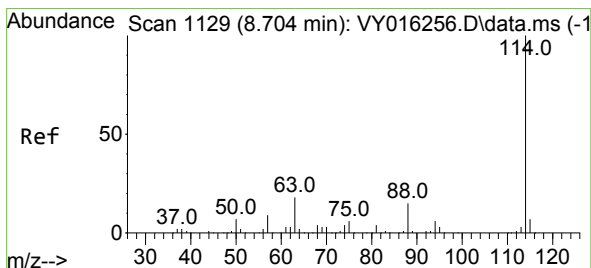
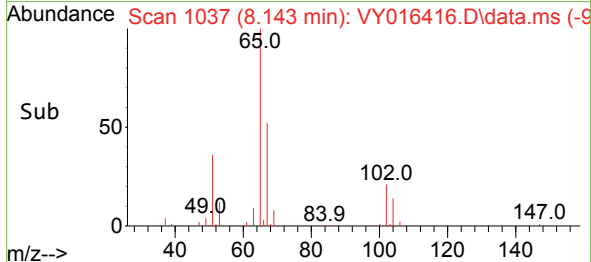
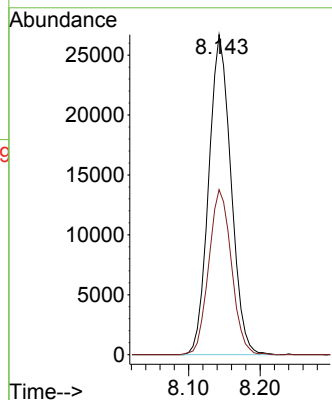
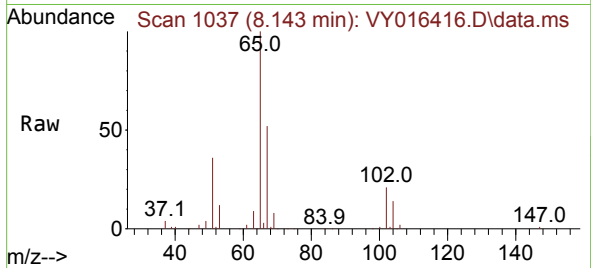




#33  
 1,2-Dichloroethane-d4  
 Concen: 67.538 ug/l  
 RT: 8.143 min Scan# 110  
 Delta R.T. -0.012 min  
 Lab File: VY016416.D  
 Acq: 17 Nov 2023 17:39

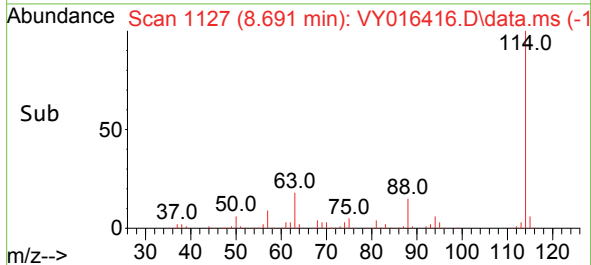
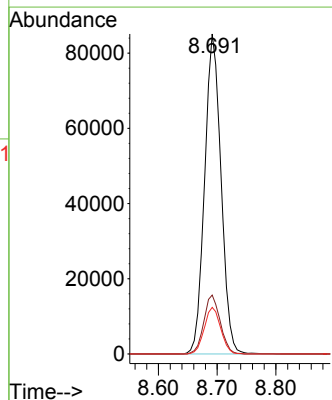
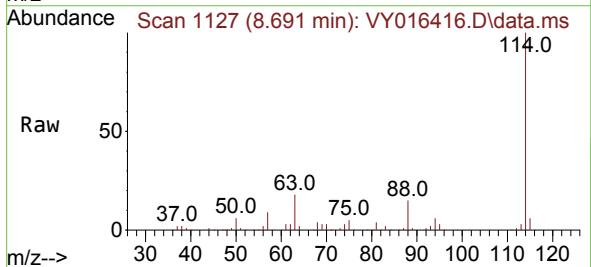
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

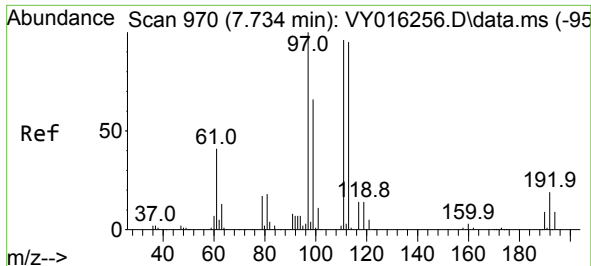
Tgt Ion: 65 Resp: 57713  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. -0.012 min  
 Lab File: VY016416.D  
 Acq: 17 Nov 2023 17:39

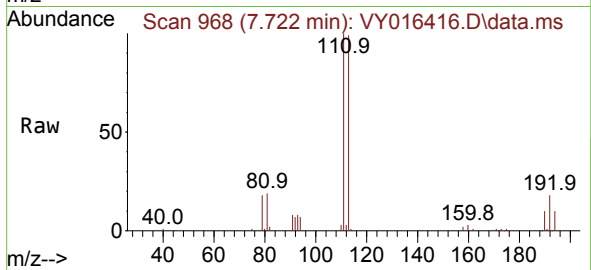
Tgt Ion:114 Resp: 164950  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 42.4  
 88 14.6 0.0 30.6



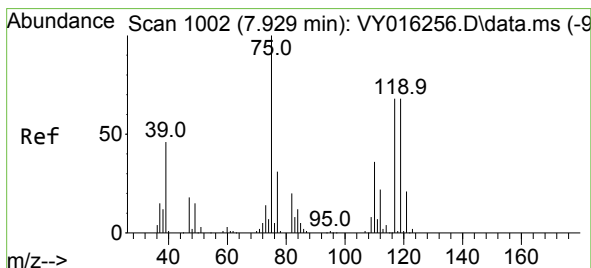
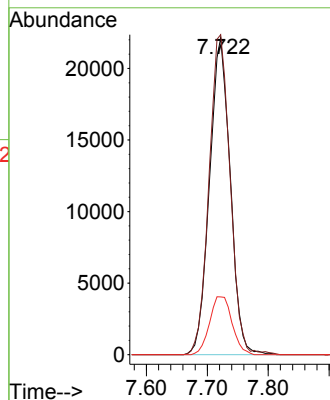
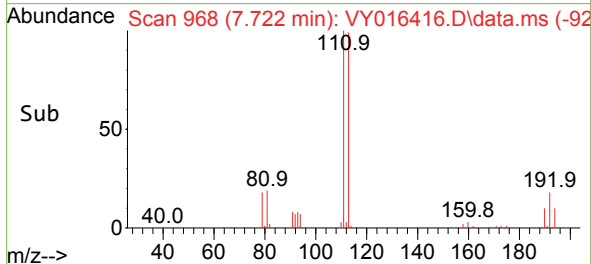


#35  
Dibromofluoromethane  
Concen: 55.696 ug/l  
RT: 7.722 min Scan# 910  
Delta R.T. -0.012 min  
Lab File: VY016416.D  
Acq: 17 Nov 2023 17:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

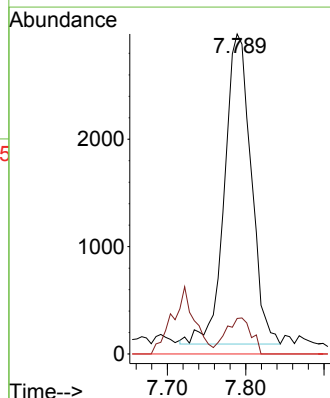
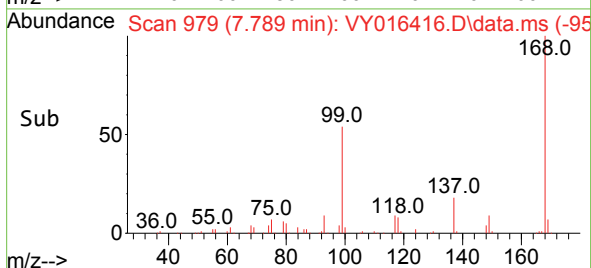
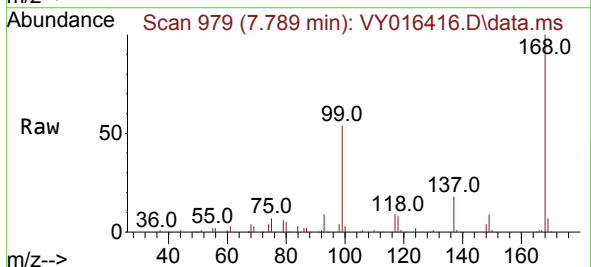


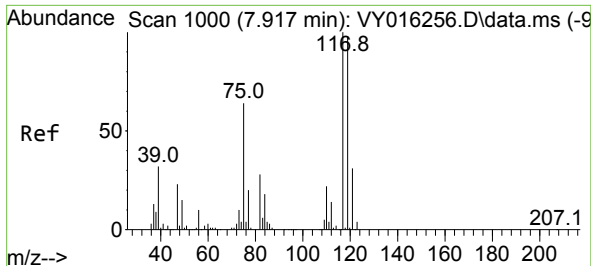
Tgt Ion:113 Resp: 52188  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.3 121.9  
192 19.9 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.175 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.140 min  
Lab File: VY016416.D  
Acq: 17 Nov 2023 17:39

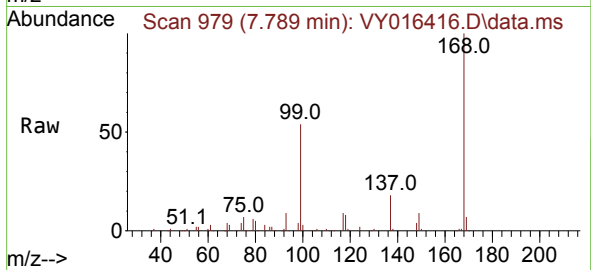
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Ion Ratio Lower Upper  
75 100  
110 11.2 17.8 53.5#  
77 0.0 24.4 36.6#



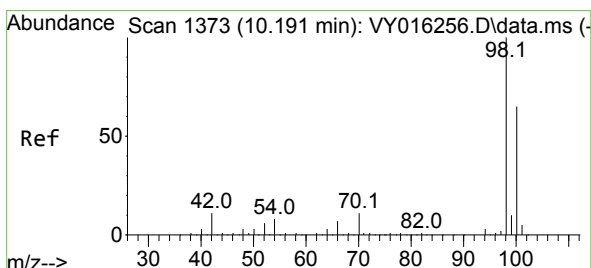
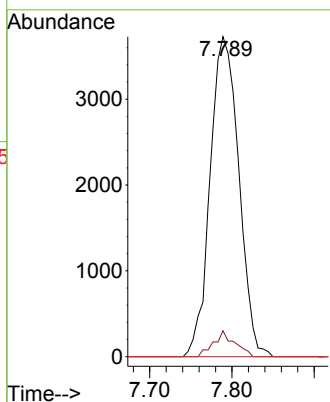
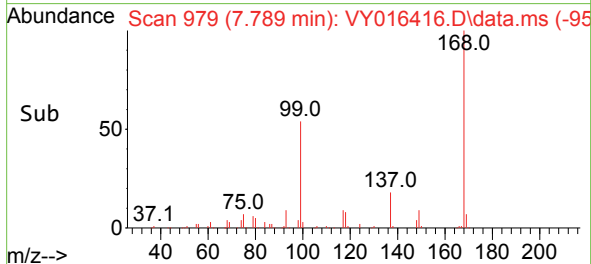


#38  
Carbon Tetrachloride  
Concen: 5.362 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY016416.D  
Acq: 17 Nov 2023 17:39

Instrument :  
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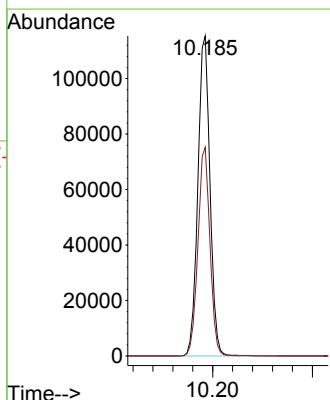
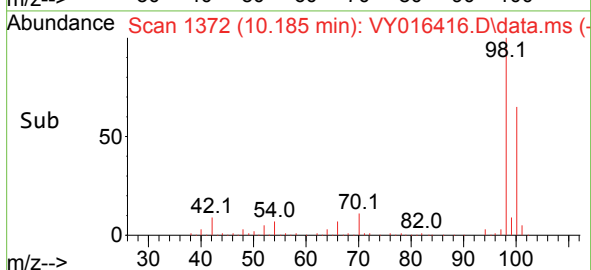
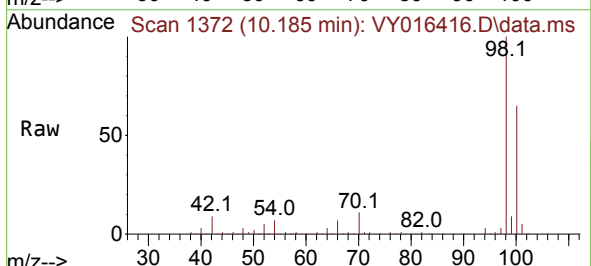


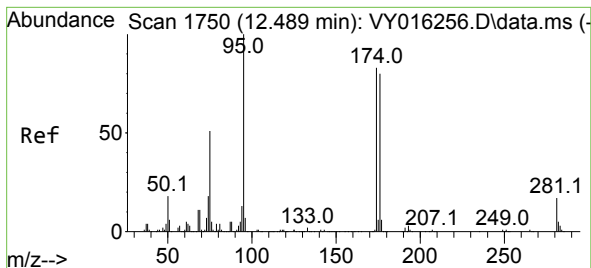
Tgt Ion:117 Resp: 9055  
Ion Ratio Lower Upper  
117 100  
119 8.1 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 51.074 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.006 min  
Lab File: VY016416.D  
Acq: 17 Nov 2023 17:39

Tgt Ion: 98 Resp: 194070  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.1 75.1

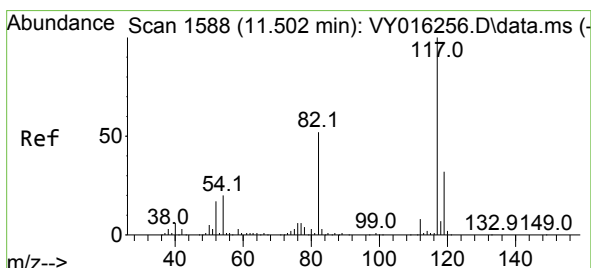
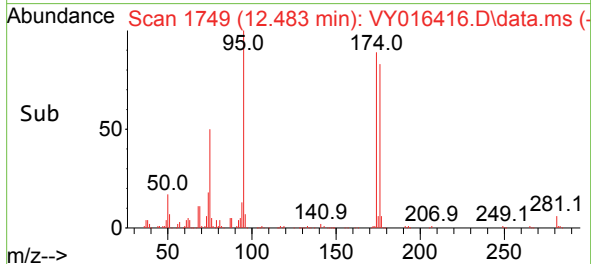
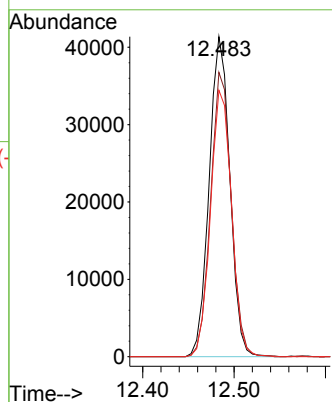
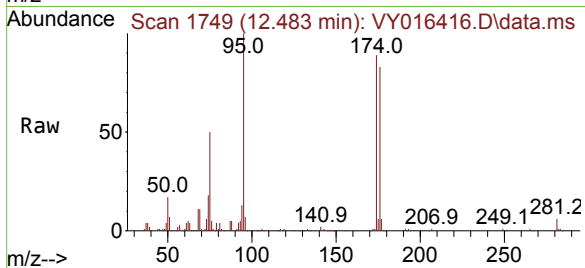




#62  
4-Bromofluorobenzene  
Concen: 52.674 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY016416.D  
Acq: 17 Nov 2023 17:39

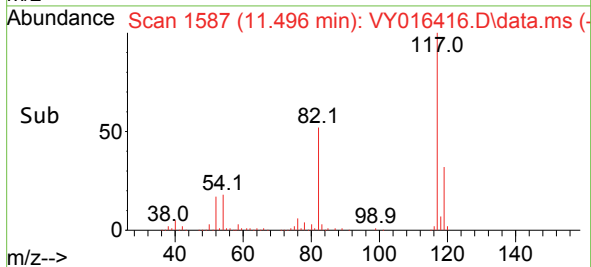
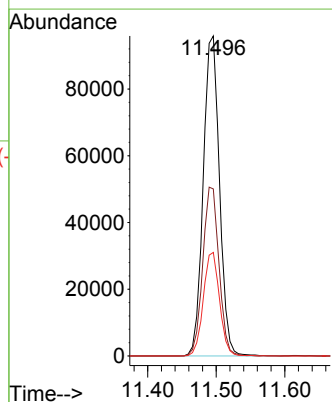
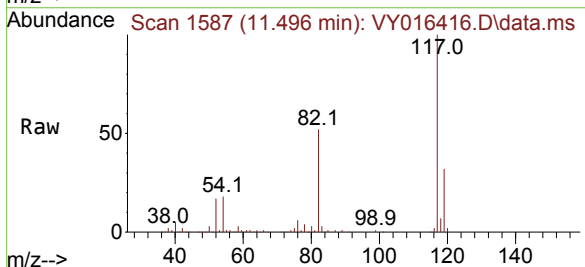
Instrument :  
MSVOA\_Y  
ClientSampleId :

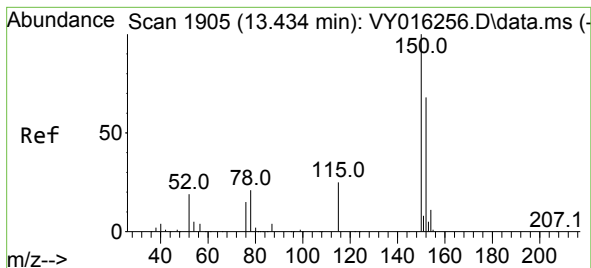
Tgt Ion: 95 Resp: 65006  
Ion Ratio Lower Upper  
95 100  
174 88.7 0.0 178.2  
176 84.6 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY016416.D  
Acq: 17 Nov 2023 17:39

Tgt Ion: 117 Resp: 158390  
Ion Ratio Lower Upper  
117 100  
82 52.2 43.4 65.0  
119 32.4 26.3 39.5

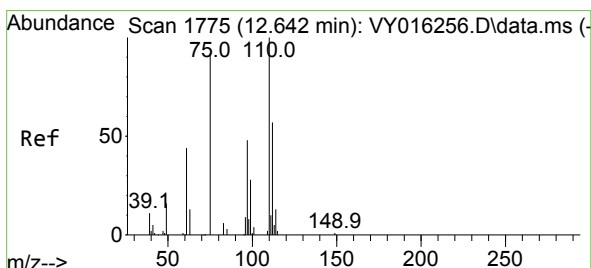
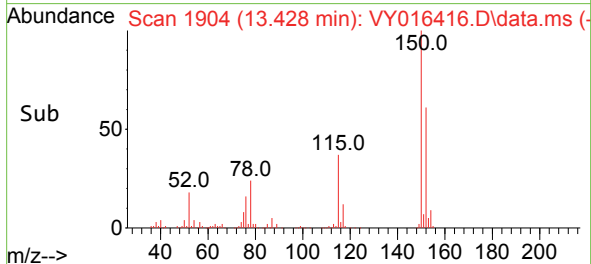
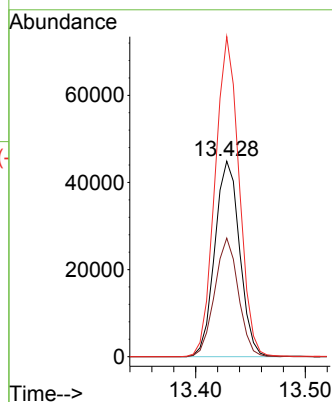
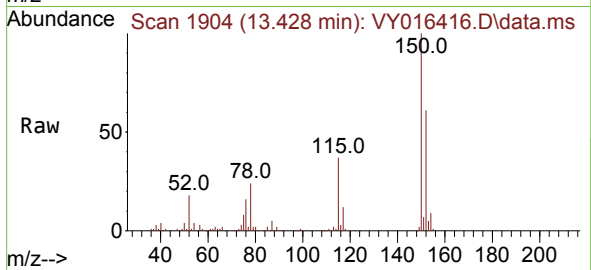




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.006 min  
 Lab File: VY016416.D  
 Acq: 17 Nov 2023 17:39

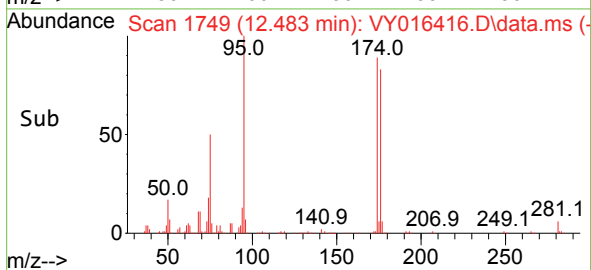
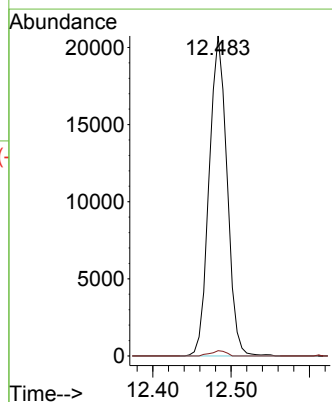
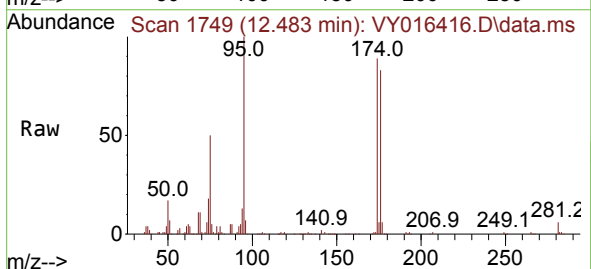
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

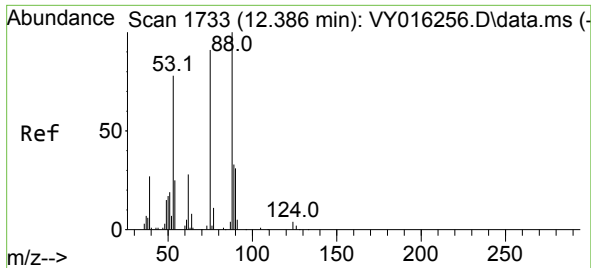
Tgt Ion:152 Resp: 70509  
 Ion Ratio Lower Upper  
 152 100  
 115 58.1 28.8 86.5  
 150 159.1 0.0 348.8



#76  
 1,2,3-Trichloropropane  
 Concen: 48.666 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.159 min  
 Lab File: VY016416.D  
 Acq: 17 Nov 2023 17:39

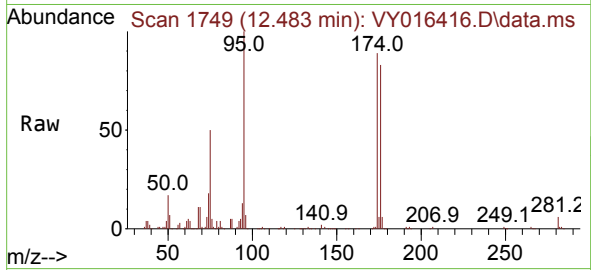
Tgt Ion: 75 Resp: 32917  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 105.634 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY016416.D  
 Acq: 17 Nov 2023 17:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 32917  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.0 37.4 56.0#

