

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112823\  
 Data File : VY016516.D  
 Acq On : 28 Nov 2023 13:26  
 Operator : SY/MD  
 Sample : 05521-12  
 Misc : 5.60g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 29 03:07:45 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

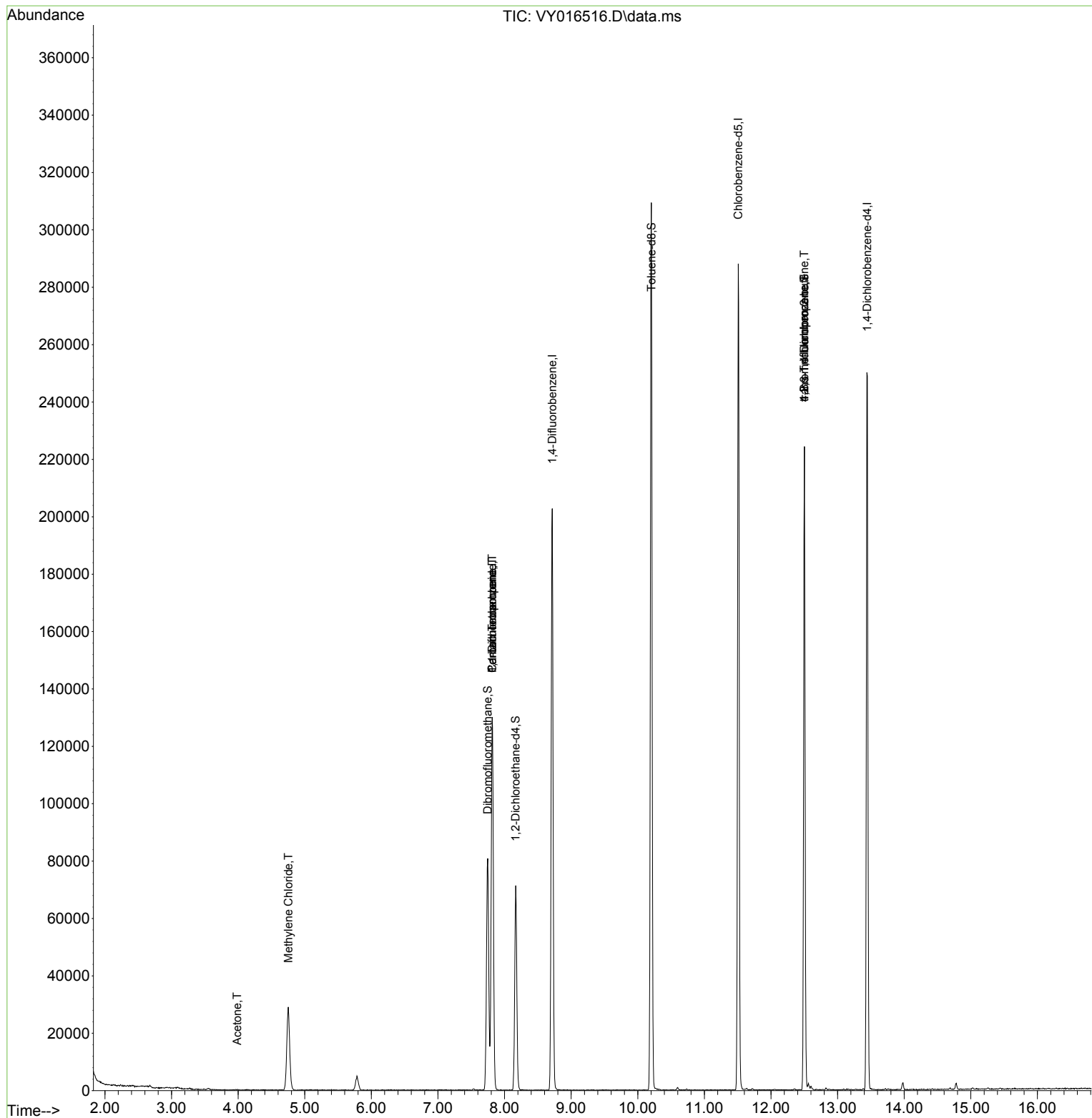
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.813     | 168   | 107406   | 50.000   | ug/l       | 0.01     |
| 34) 1,4-Difluorobenzene       | 8.716     | 114   | 186865   | 50.000   | ug/l       | 0.01     |
| 63) Chlorobenzene-d5          | 11.508    | 117   | 173698   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.447    | 152   | 71558    | 50.000   | ug/l       | 0.01     |
|                               |           |       |          |          |            |          |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.167     | 65    | 56673    | 57.732   | ug/l       | 0.01     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 115.460% |          |
| 35) Dibromofluoromethane      | 7.746     | 113   | 59053    | 55.631   | ug/l       | 0.01     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 111.260% |          |
| 50) Toluene-d8                | 10.203    | 98    | 215973   | 50.172   | ug/l       | 0.01     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 100.340% |          |
| 62) 4-Bromofluorobenzene      | 12.502    | 95    | 67902    | 48.568   | ug/l       | 0.01     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 97.140%  |          |
|                               |           |       |          |          |            |          |
| Target Compounds              |           |       |          |          |            | Qvalue   |
| 16) Acetone                   | 3.985     | 43    | 329      | 2.026    | ug/l #     | 46       |
| 20) Methylene Chloride        | 4.753     | 84    | 24229    | 18.961   | ug/l #     | 75       |
| 36) 1,1-Dichloropropene       | 7.813     | 75    | 7111     | 3.858    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.813     | 117   | 10537    | 5.508    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.502    | 75    | 34055    | 49.610   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.502    | 75    | 34055    | 107.684  | ug/l #     | 10       |
| -----                         |           |       |          |          |            |          |

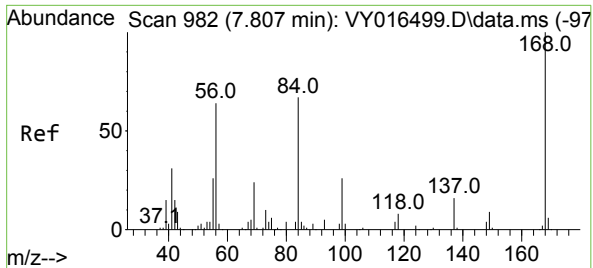
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 29 03:07:45 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
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QLast Update : Thu Nov 09 00:45:52 2023  
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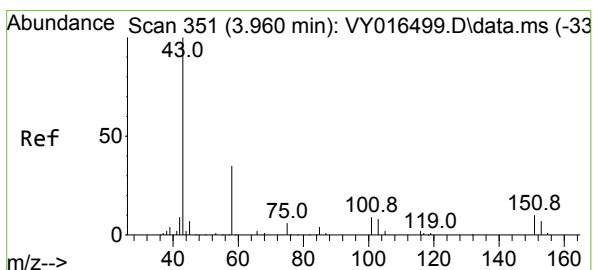
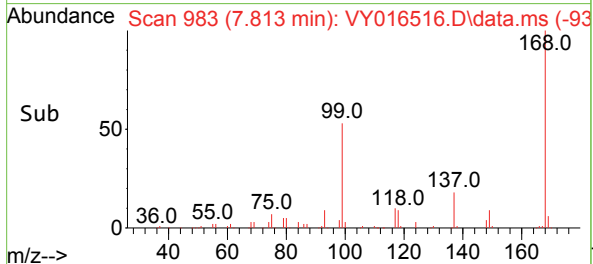
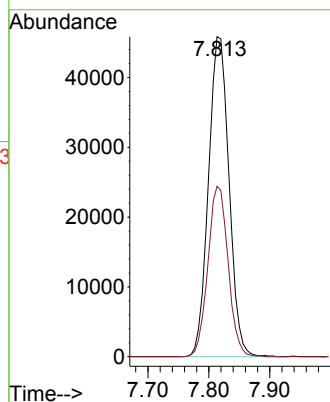
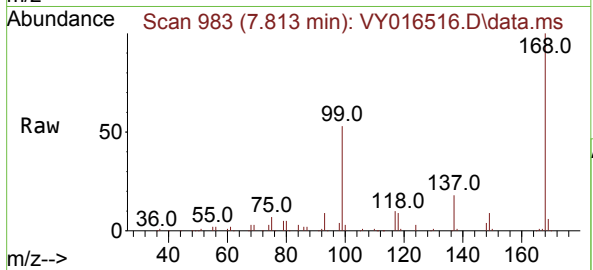




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.813 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY016516.D  
Acq: 28 Nov 2023 13:26

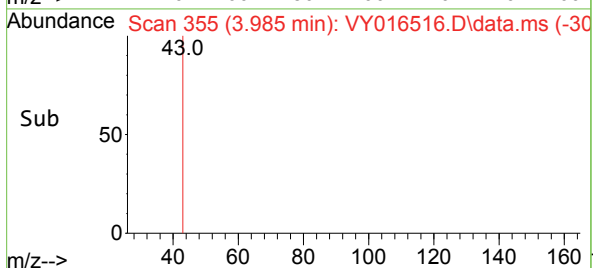
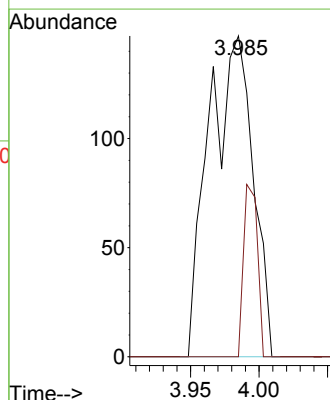
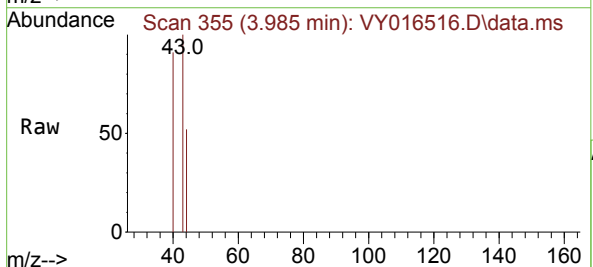
Instrument :  
MSVOA\_Y  
ClientSampleId :

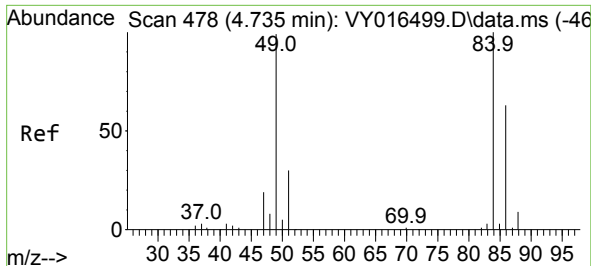
Tgt Ion:168 Resp: 107406  
Ion Ratio Lower Upper  
168 100  
99 53.2 43.4 65.0



#16  
Acetone  
Concen: 2.026 ug/l  
RT: 3.985 min Scan# 355  
Delta R.T. 0.024 min  
Lab File: VY016516.D  
Acq: 28 Nov 2023 13:26

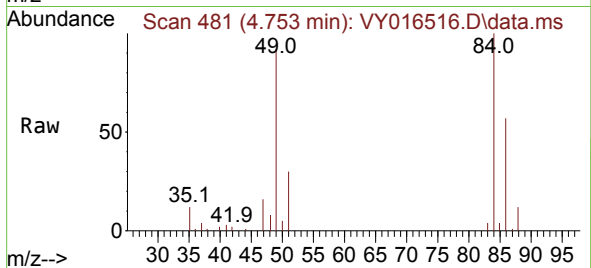
Tgt Ion: 43 Resp: 329  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.7 34.1#





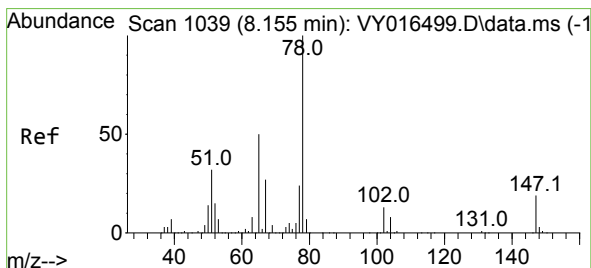
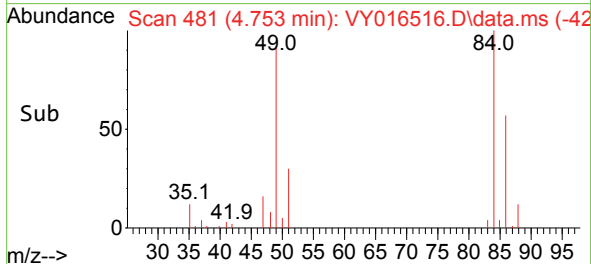
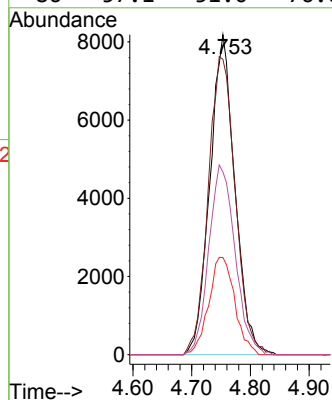
#20  
Methylene Chloride  
Concen: 18.961 ug/l  
RT: 4.753 min Scan# 41  
Delta R.T. 0.024 min  
Lab File: VY016516.D  
Acq: 28 Nov 2023 13:26

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 24229

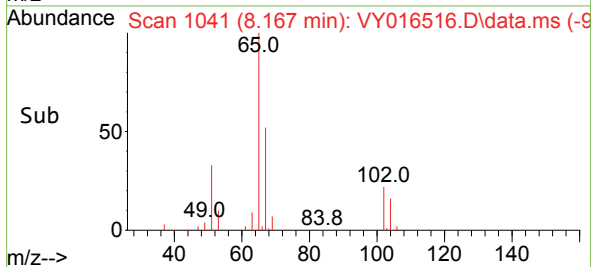
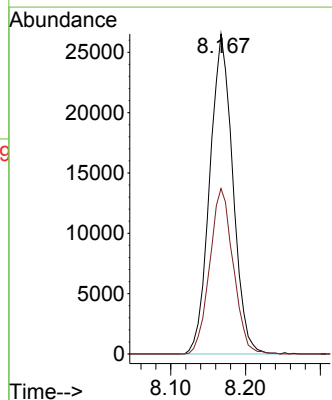
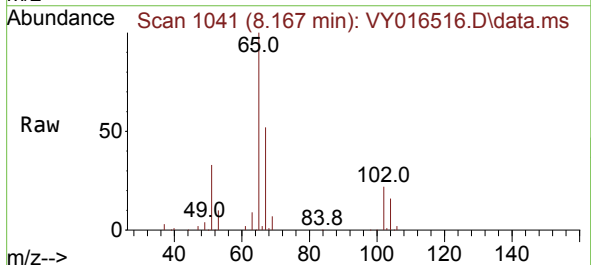
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 92.3  | 106.9 | 160.3# |
| 51  | 30.4  | 33.2  | 49.8#  |
| 86  | 57.1  | 51.0  | 76.6   |

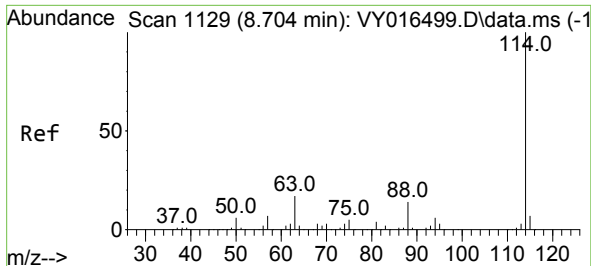


#33  
1,2-Dichloroethane-d4  
Concen: 57.732 ug/l  
RT: 8.167 min Scan# 1041  
Delta R.T. 0.012 min  
Lab File: VY016516.D  
Acq: 28 Nov 2023 13:26

Tgt Ion: 65 Resp: 56673

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

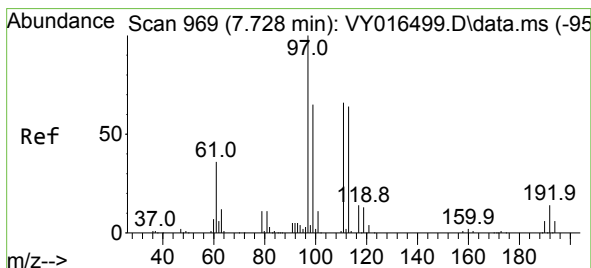
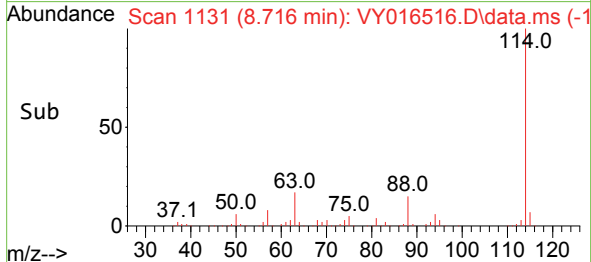
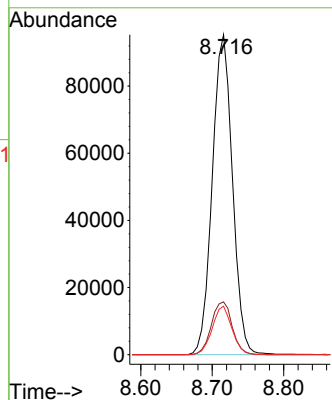
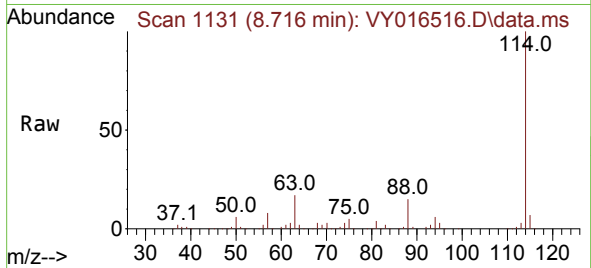




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.716 min Scan# 1129  
 Delta R.T. 0.012 min  
 Lab File: VY016516.D  
 Acq: 28 Nov 2023 13:26

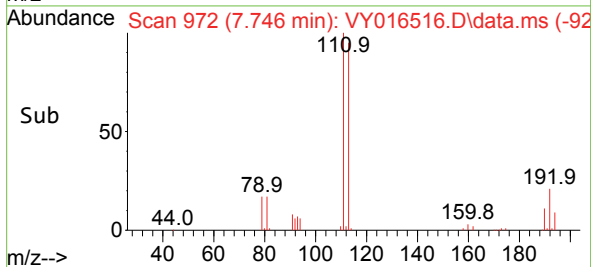
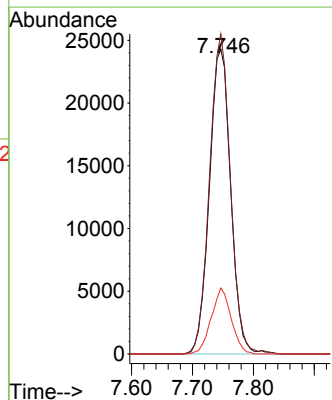
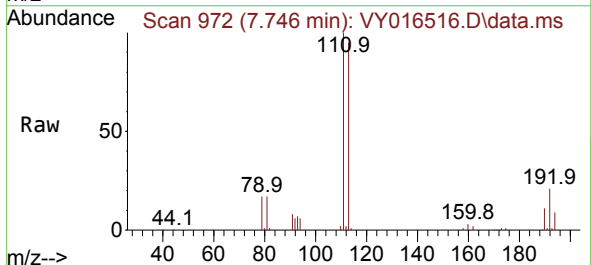
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

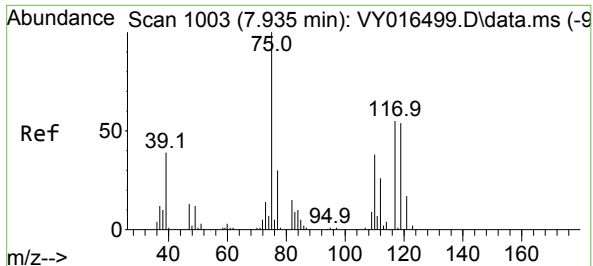
Tgt Ion:114 Resp: 186865  
 Ion Ratio Lower Upper  
 114 100  
 63 16.5 0.0 42.4  
 88 15.2 0.0 30.6



#35  
 Dibromofluoromethane  
 Concen: 55.631 ug/l  
 RT: 7.746 min Scan# 972  
 Delta R.T. 0.012 min  
 Lab File: VY016516.D  
 Acq: 28 Nov 2023 13:26

Tgt Ion:113 Resp: 59053  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 81.3 121.9  
 192 20.2 16.9 25.3

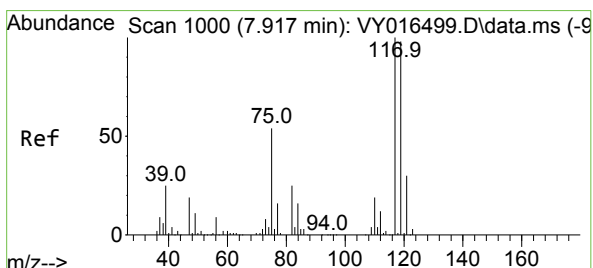
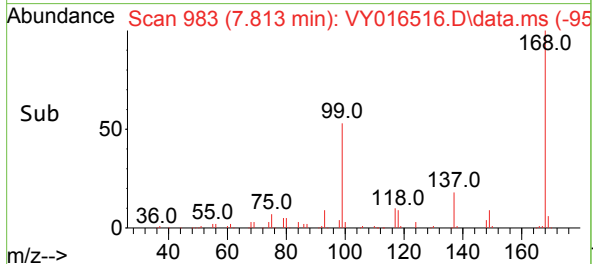
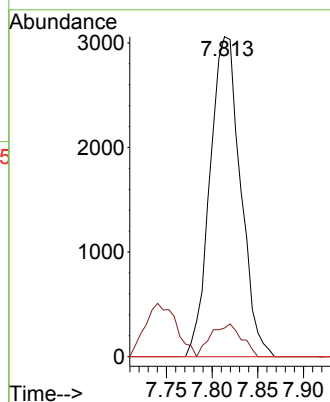
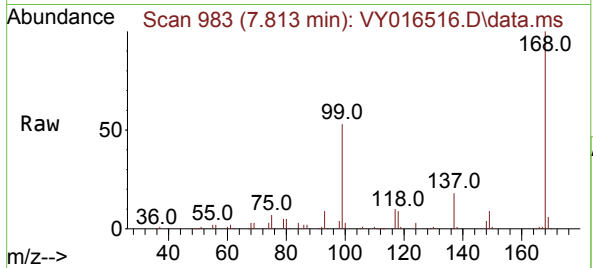




#36  
 1,1-Dichloropropene  
 Concen: 3.858 ug/l  
 RT: 7.813 min Scan# 983  
 Delta R.T. -0.116 min  
 Lab File: VY016516.D  
 Acq: 28 Nov 2023 13:26

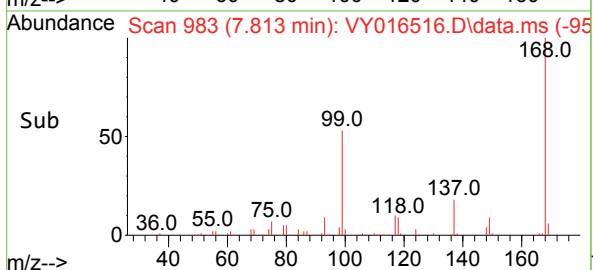
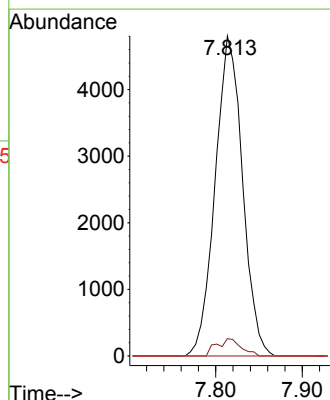
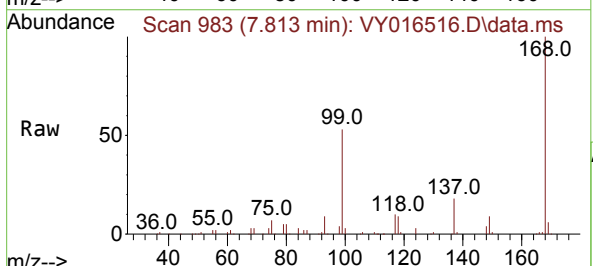
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

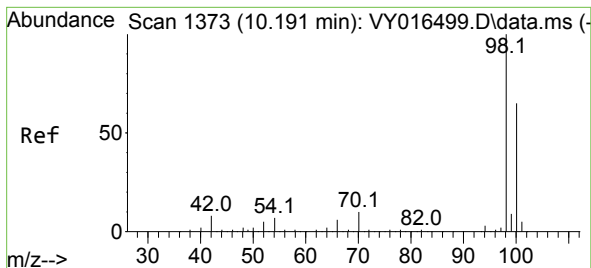
Tgt Ion: 75 Resp: 7111  
 Ion Ratio Lower Upper  
 75 100  
 110 10.3 17.8 53.5#  
 77 0.0 24.4 36.6#



#38  
 Carbon Tetrachloride  
 Concen: 5.508 ug/l  
 RT: 7.813 min Scan# 983  
 Delta R.T. -0.104 min  
 Lab File: VY016516.D  
 Acq: 28 Nov 2023 13:26

Tgt Ion: 117 Resp: 10537  
 Ion Ratio Lower Upper  
 117 100  
 119 5.4 76.4 114.6#  
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.172 ug/l

RT: 10.203 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016516.D

Acq: 28 Nov 2023 13:26

Instrument :

MSVOA\_Y

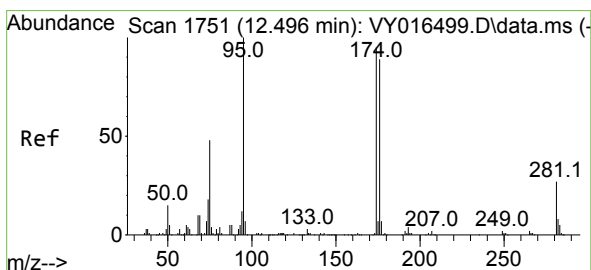
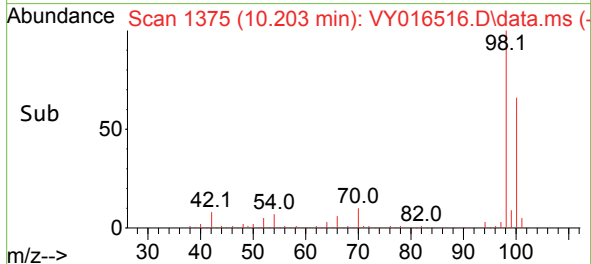
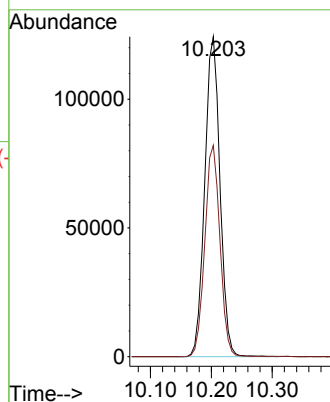
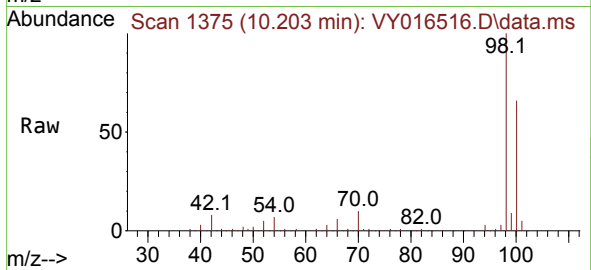
ClientSampleId :

Tgt Ion: 98 Resp: 215973

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.568 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016516.D

Acq: 28 Nov 2023 13:26

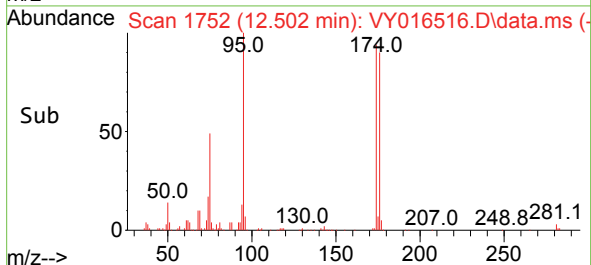
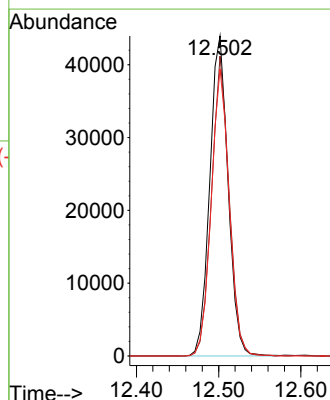
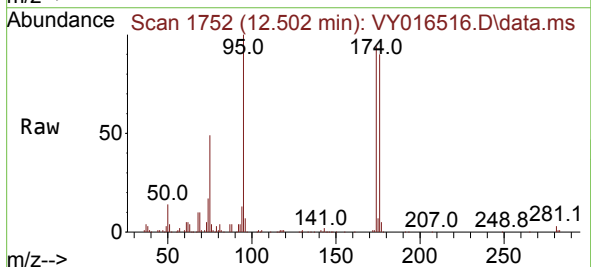
Tgt Ion: 95 Resp: 67902

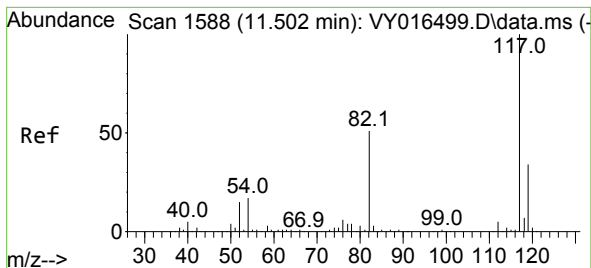
Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.2

176 88.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016516.D

Acq: 28 Nov 2023 13:26

Instrument :

MSVOA\_Y

ClientSampleId :

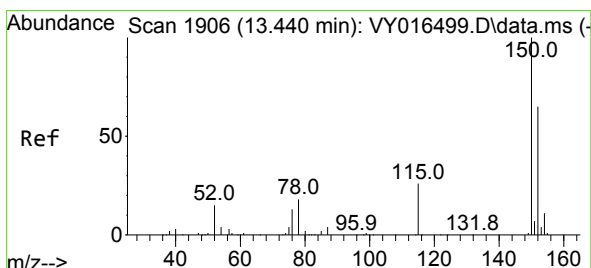
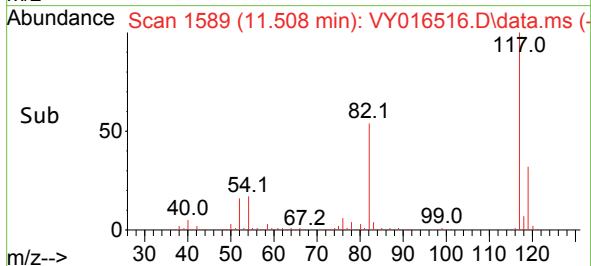
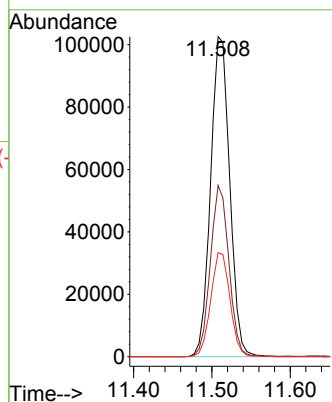
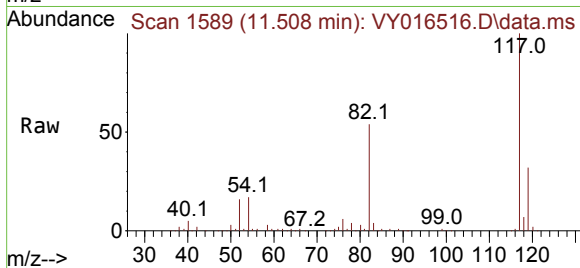
Tgt Ion:117 Resp: 173698

Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 32.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016516.D

Acq: 28 Nov 2023 13:26

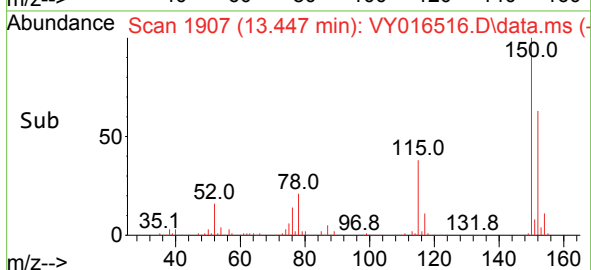
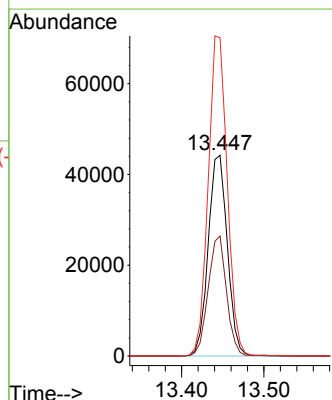
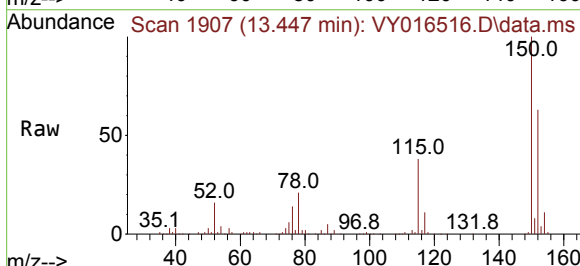
Tgt Ion:152 Resp: 71558

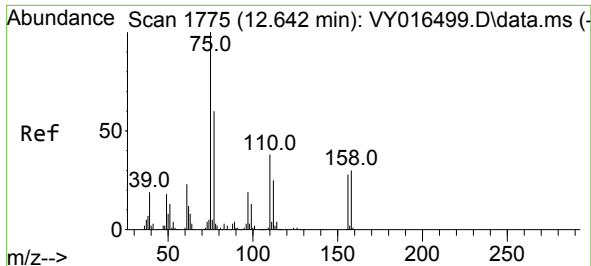
Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 158.6 0.0 348.8

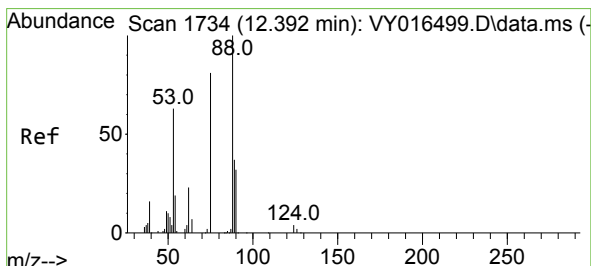
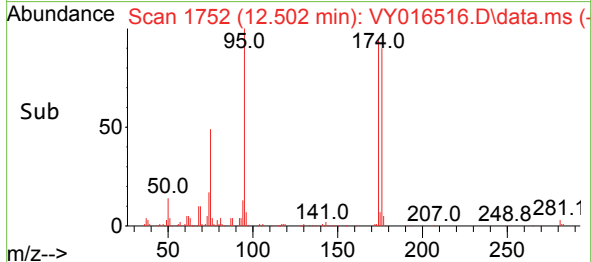
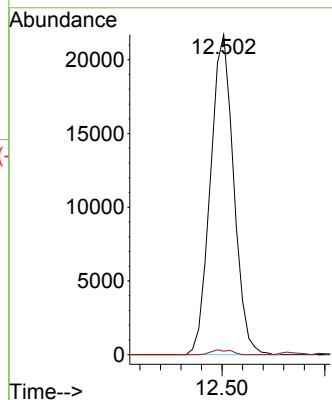
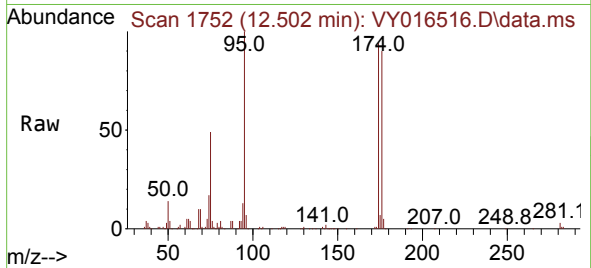




#76  
1,2,3-Trichloropropane  
Concen: 49.610 ug/l  
RT: 12.502 min Scan# 1752  
Delta R.T. -0.140 min  
Lab File: VY016516.D  
Acq: 28 Nov 2023 13:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 34055  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 107.684 ug/l  
RT: 12.502 min Scan# 1752  
Delta R.T. 0.116 min  
Lab File: VY016516.D  
Acq: 28 Nov 2023 13:26

Tgt Ion: 75 Resp: 34055  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.0 37.4 56.0#

