

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112723\  
 Data File : VY016505.D  
 Acq On : 27 Nov 2023 13:28  
 Operator : SY/MD  
 Sample : 05521-09  
 Misc : 6.56g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 28 00:16:02 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

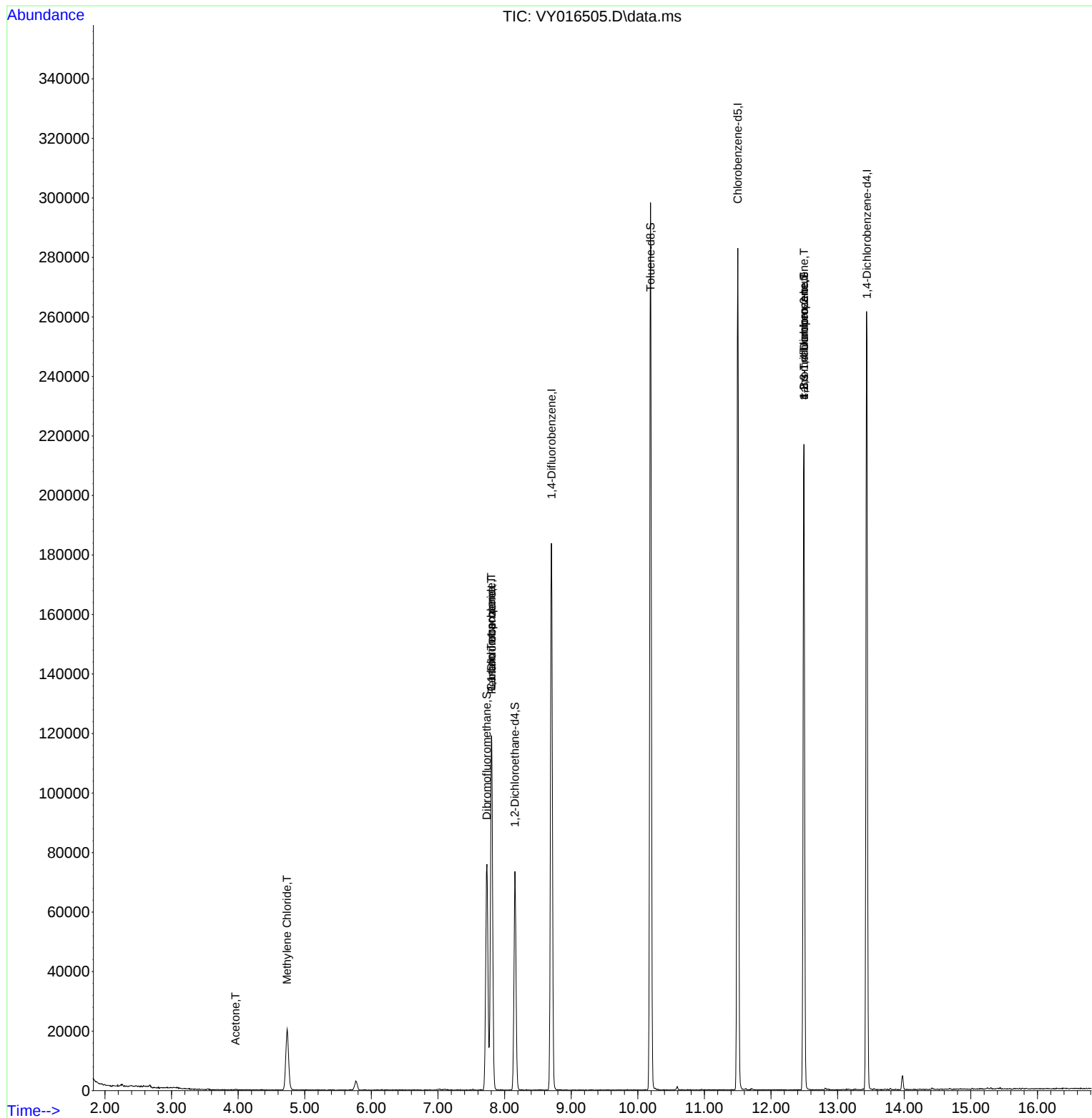
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.807  | 168   | 98115    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.703  | 114   | 171536   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.502 | 117   | 167115   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.440 | 152   | 73723    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65    | 56728    | 63.261   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 126.520% |          |
| 35) Dibromofluoromethane      | 7.734  | 113   | 54941    | 56.383   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 112.760% |          |
| 50) Toluene-d8                | 10.191 | 98    | 201609   | 51.021   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 102.040% |          |
| 62) 4-Bromofluorobenzene      | 12.495 | 95    | 68360    | 53.265   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 106.520% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.960  | 43    | 349      | 2.353    | ug/l #     | 46       |
| 20) Methylene Chloride        | 4.735  | 84    | 17205    | 13.906   | ug/l #     | 79       |
| 36) 1,1-Dichloropropene       | 7.801  | 75    | 6502     | 3.843    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 9552     | 5.439    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.495 | 75    | 33006    | 46.670   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.495 | 75    | 33006    | 101.302  | ug/l #     | 11       |
| -----                         |        |       |          |          |            |          |

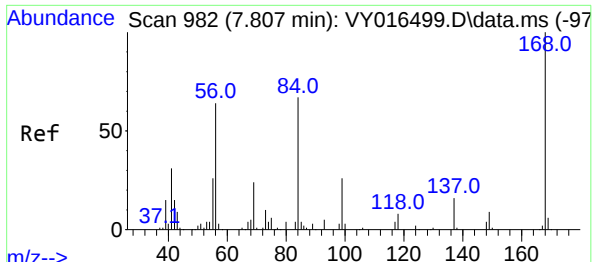
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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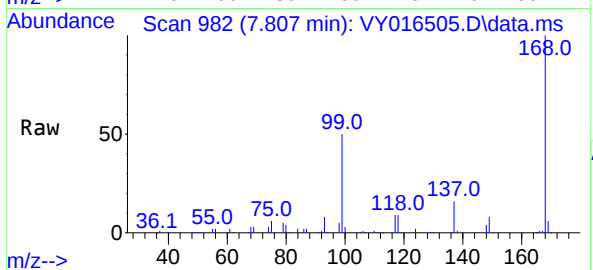
Quant Time: Nov 28 00:16:02 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
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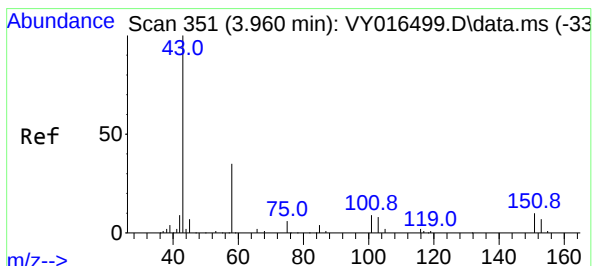
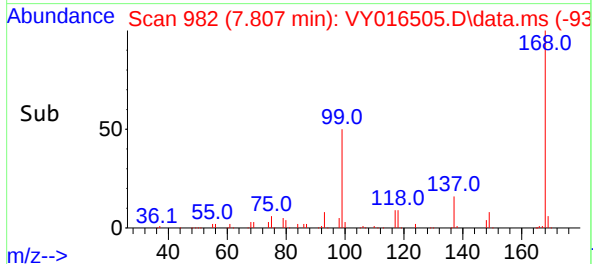
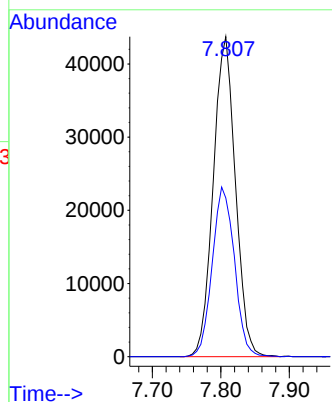


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Instrument :  
MSVOA\_Y  
ClientSampleId :

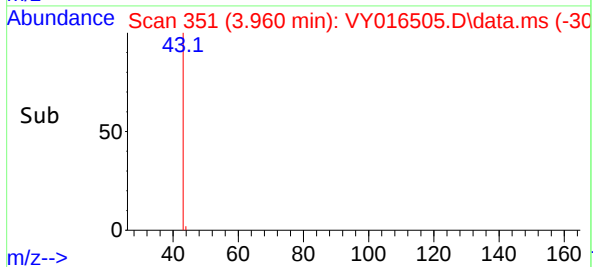
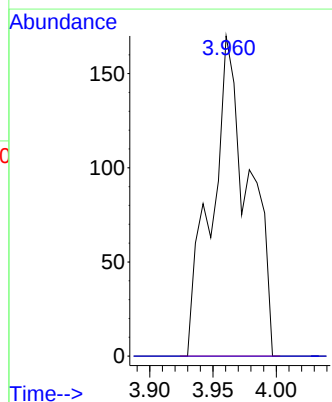
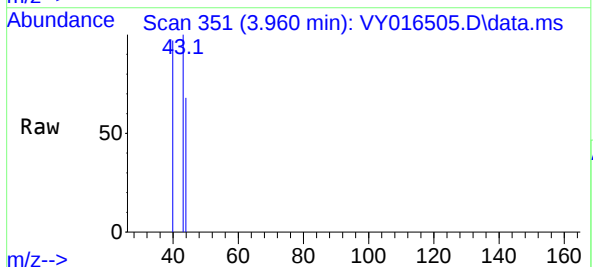


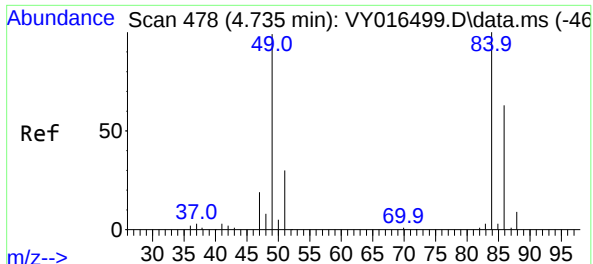
Tgt Ion:168 Resp: 98115  
Ion Ratio Lower Upper  
168 100  
99 49.6 43.4 65.0



#16  
Acetone  
Concen: 2.353 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

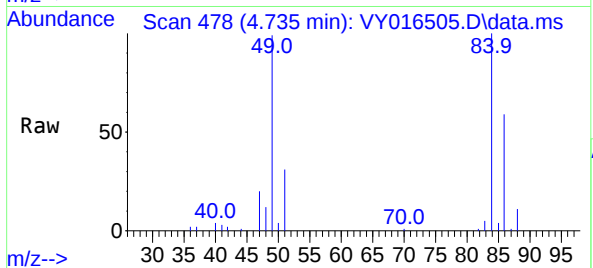
Tgt Ion: 43 Resp: 349  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.7 34.1#





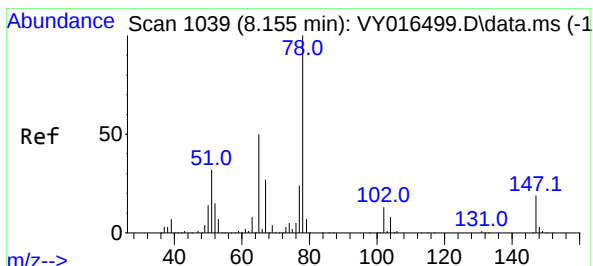
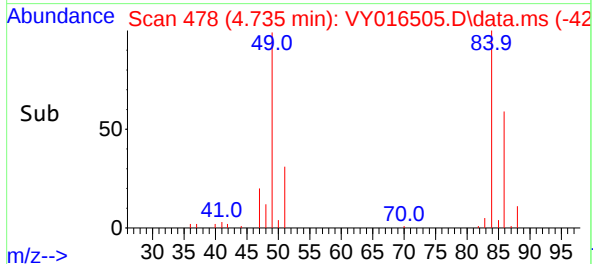
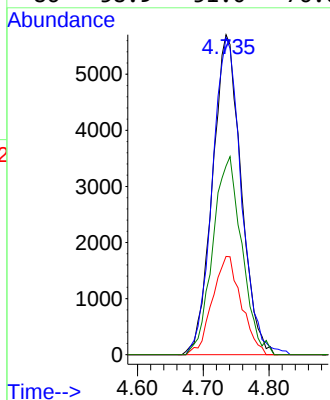
#20  
Methylene Chloride  
Concen: 13.906 ug/l  
RT: 4.735 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 17205

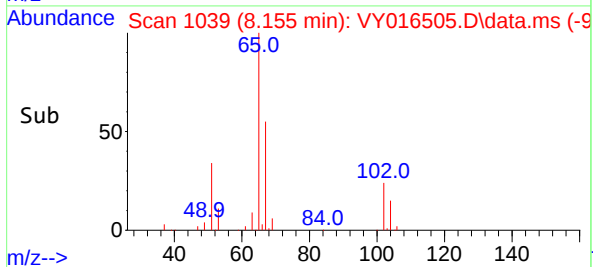
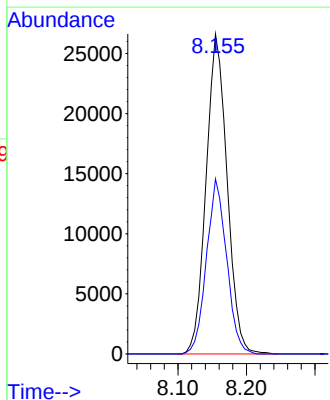
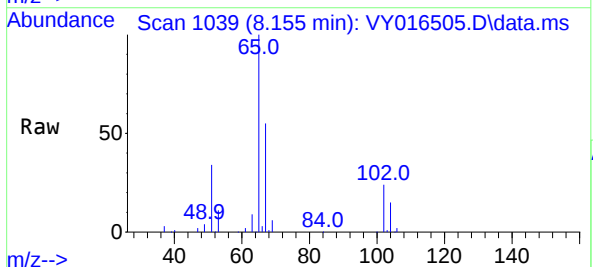
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 99.1  | 106.9 | 160.3# |
| 51  | 30.7  | 33.2  | 49.8#  |
| 86  | 58.9  | 51.0  | 76.6   |

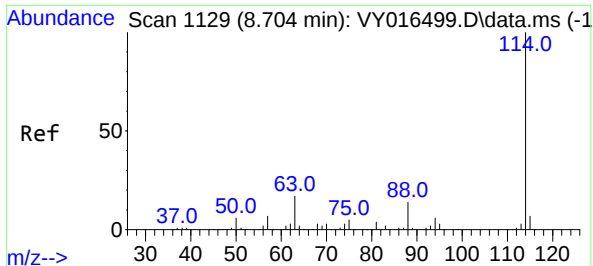


#33  
1,2-Dichloroethane-d4  
Concen: 63.261 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Tgt Ion: 65 Resp: 56728

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.5  | 0.0   | 101.8 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016505.D

Acq: 27 Nov 2023 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

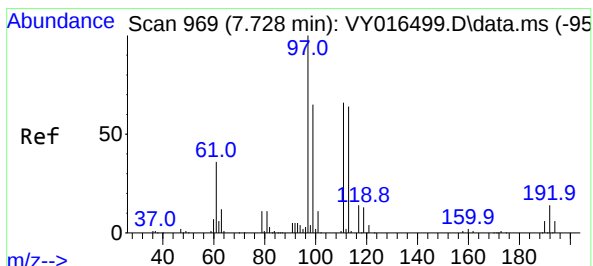
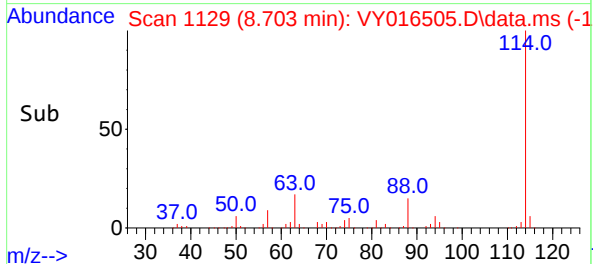
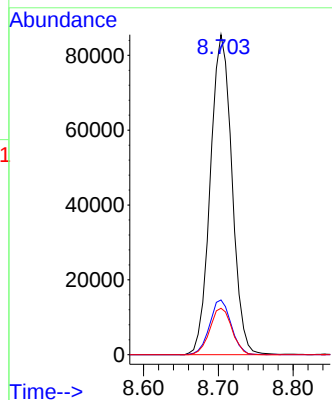
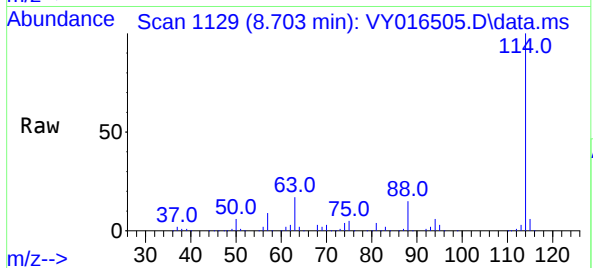
Tgt Ion:114 Resp: 171536

Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.383 ug/l

RT: 7.734 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY016505.D

Acq: 27 Nov 2023 13:28

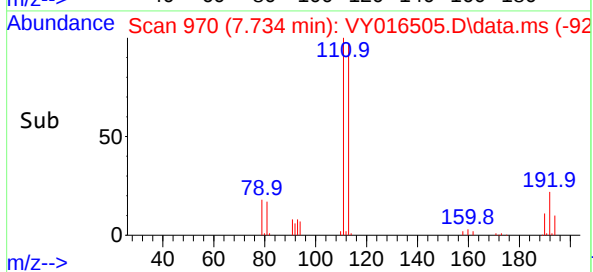
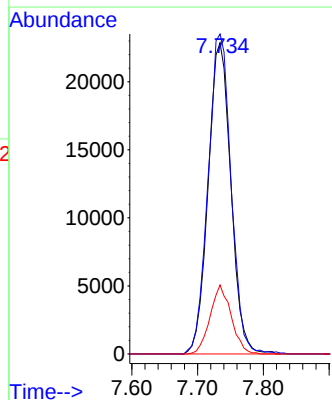
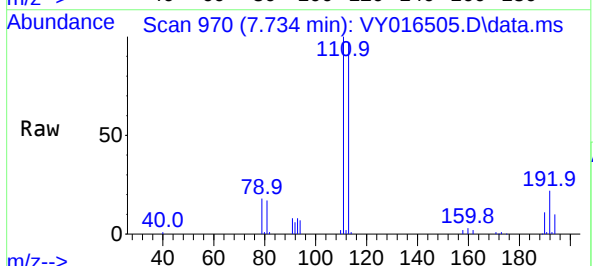
Tgt Ion:113 Resp: 54941

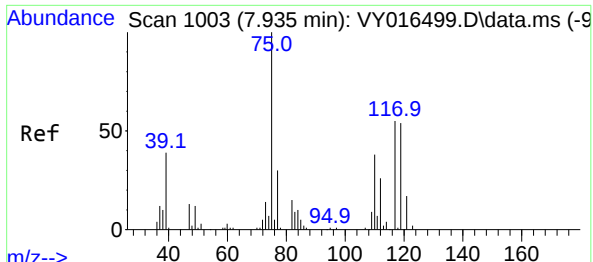
Ion Ratio Lower Upper

113 100

111 104.0 81.3 121.9

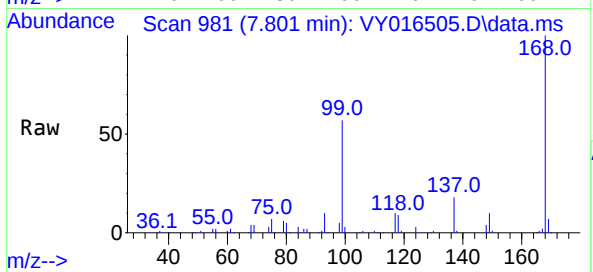
192 20.6 16.9 25.3



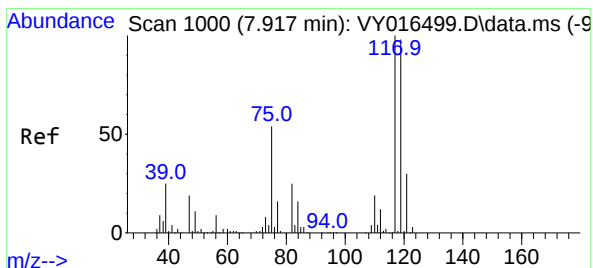
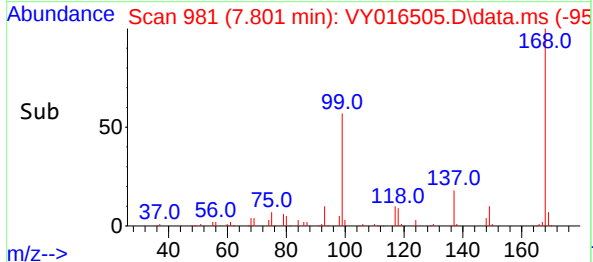
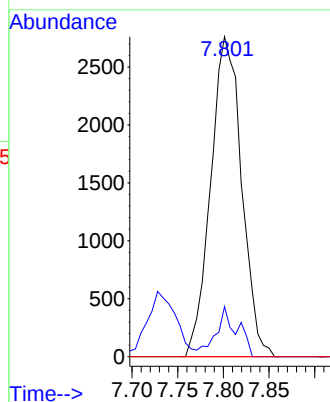


#36  
1,1-Dichloropropene  
Concen: 3.843 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.128 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Instrument :  
MSVOA\_Y  
ClientSampleId :

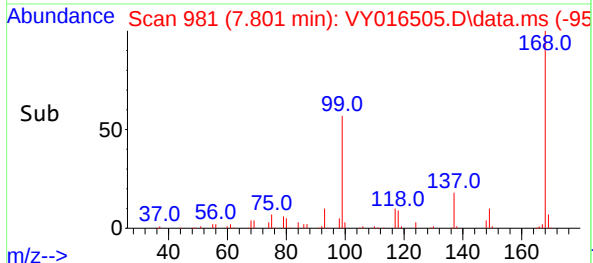
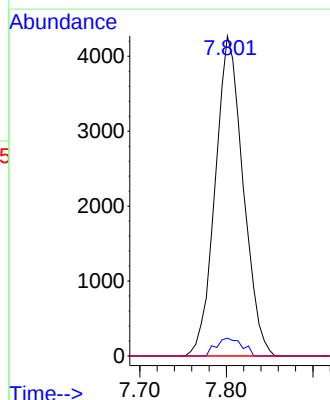
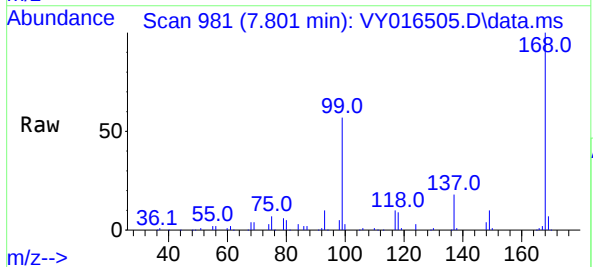


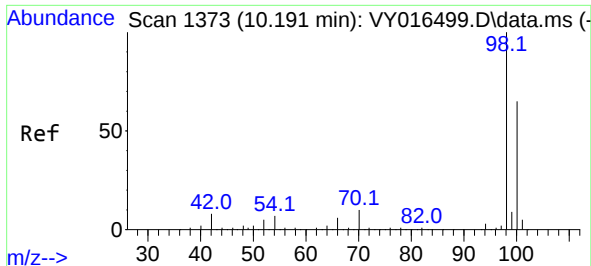
Tgt Ion: 75 Resp: 6502  
Ion Ratio Lower Upper  
75 100  
110 10.7 17.8 53.5#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.439 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.116 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Tgt Ion: 117 Resp: 9552  
Ion Ratio Lower Upper  
117 100  
119 5.5 76.4 114.6#  
121 0.0 25.8 38.6#

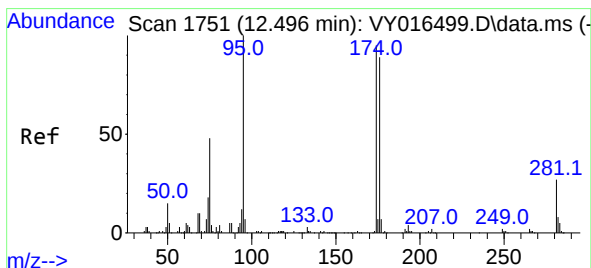
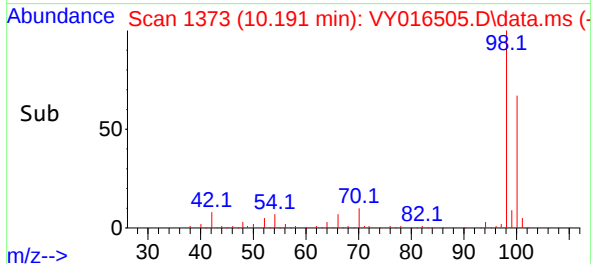
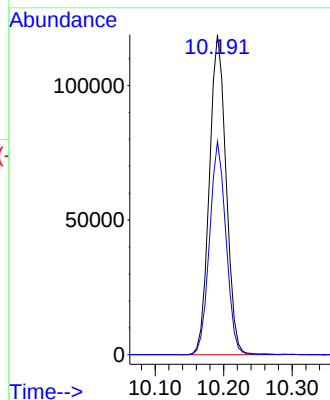
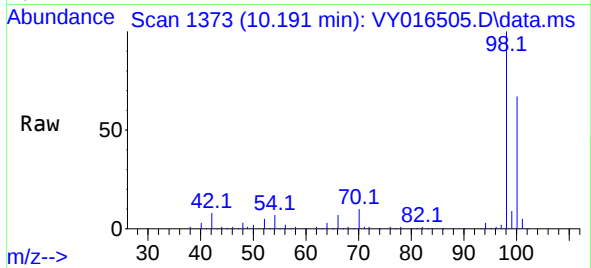




#50  
Toluene-d8  
Concen: 51.021 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

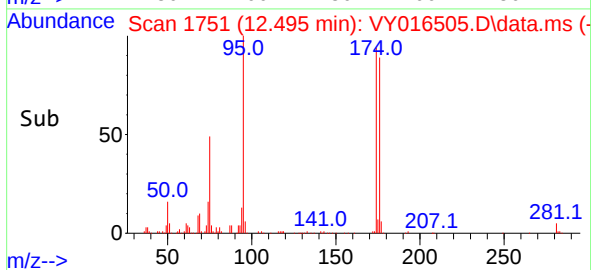
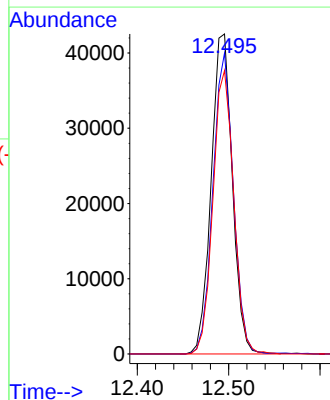
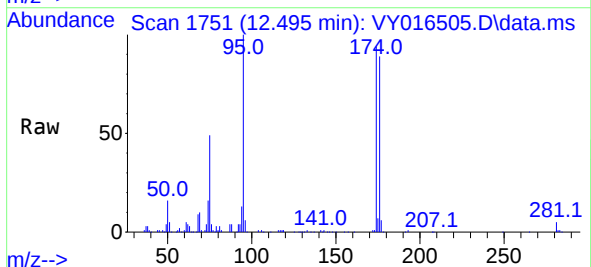
Instrument :  
MSVOA\_Y  
ClientSampleId :

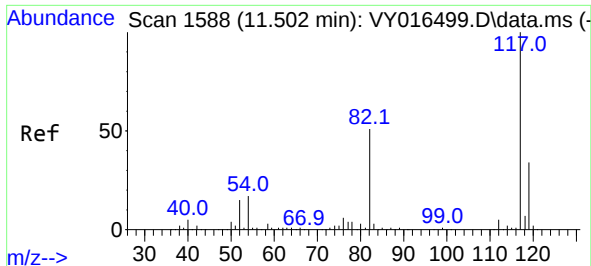
Tgt Ion: 98 Resp: 201609  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 53.265 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

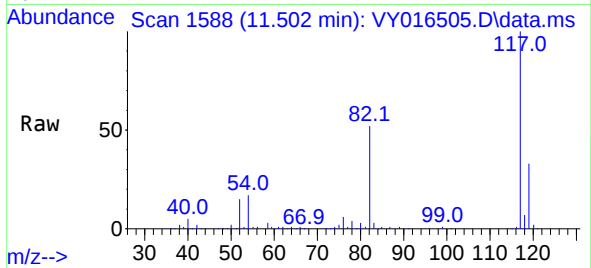
Tgt Ion: 95 Resp: 68360  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 178.2  
176 87.0 0.0 173.8



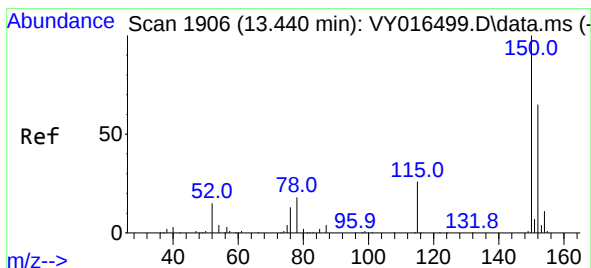
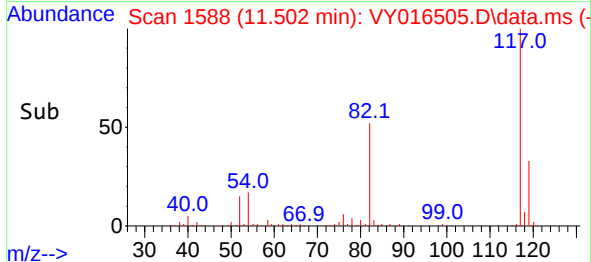
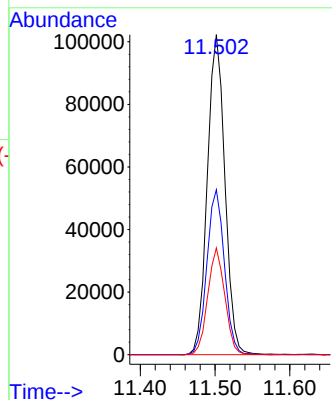


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Instrument :  
MSVOA\_Y  
ClientSampleId :

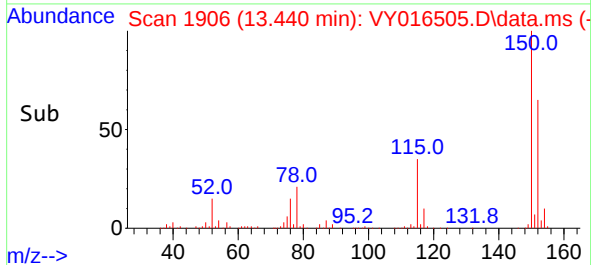
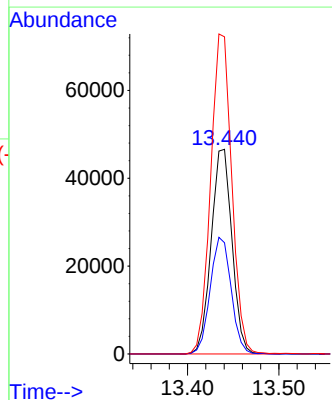
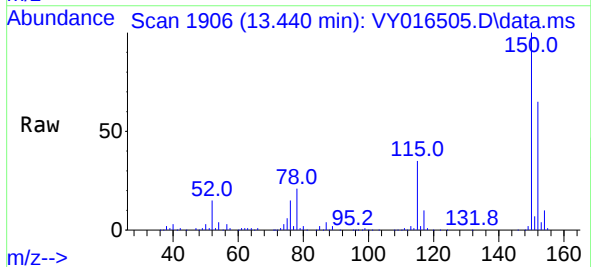


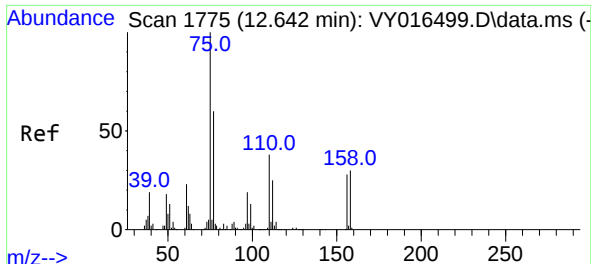
Tgt Ion:117 Resp: 167115  
Ion Ratio Lower Upper  
117 100  
82 51.5 43.4 65.0  
119 33.4 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. 0.006 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Tgt Ion:152 Resp: 73723  
Ion Ratio Lower Upper  
152 100  
115 57.3 28.8 86.5  
150 158.5 0.0 348.8

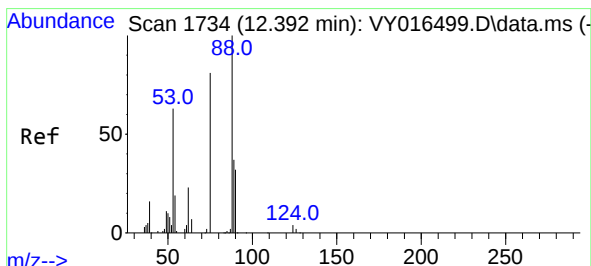
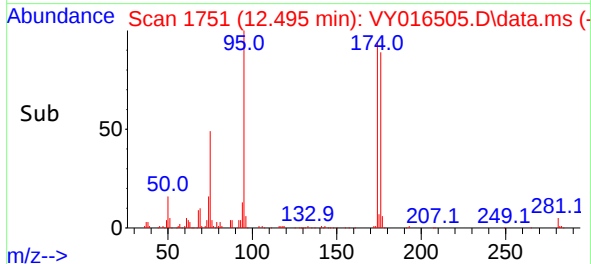
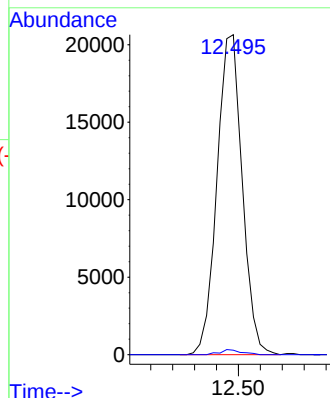
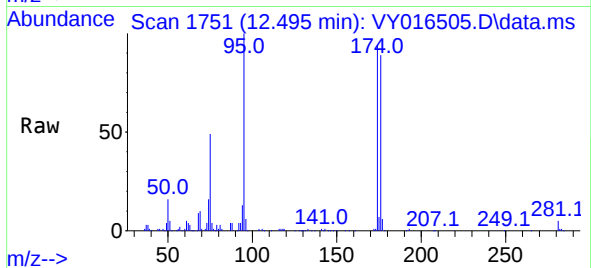




#76  
1,2,3-Trichloropropane  
Concen: 46.670 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. -0.146 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 33006  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 101.302 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.110 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Tgt Ion: 75 Resp: 33006  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.1 37.4 56.0#

