

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012323\  
 Data File : VY012326.D  
 Acq On : 23 Jan 2023 20:05  
 Operator : KP/MD  
 Sample : 01243-03  
 Misc : 5.81g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

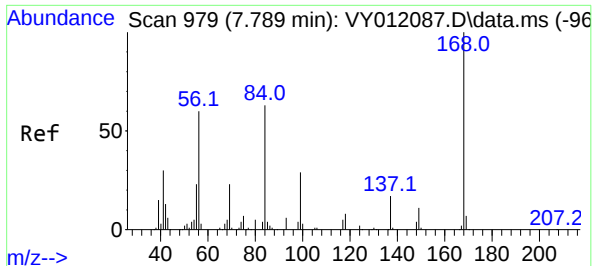
Quant Time: Jan 24 01:30:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 155761   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 263354   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 258398   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 123470   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65    | 100661   | 80.353    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 160.700% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 79048    | 56.687    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 113.380% |          |
| 50) Toluene-d8                | 10.179    | 98    | 317988   | 67.315    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 134.640% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 105339   | 53.587    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 107.180% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.948     | 59    | 157      | Below Cal | #          | 74       |
| 16) Acetone                   | 3.942     | 43    | 1183     | 2.728     | ug/l #     | 80       |
| 20) Methylene Chloride        | 4.716     | 84    | 9749     | Below Cal |            | 88       |
| 31) Cyclohexane               | 7.789     | 56    | 2836     | 1.249     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 10730    | 4.528     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 15762    | 5.150     | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.179    | 43    | 1146     | 1.106     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 58207    | 51.268    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 58207    | 105.634   | ug/l #     | 13       |
| -----                         |           |       |          |           |            |          |

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

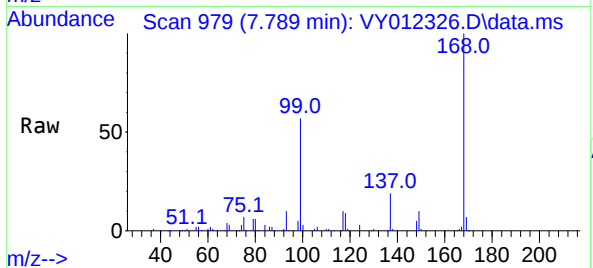
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration



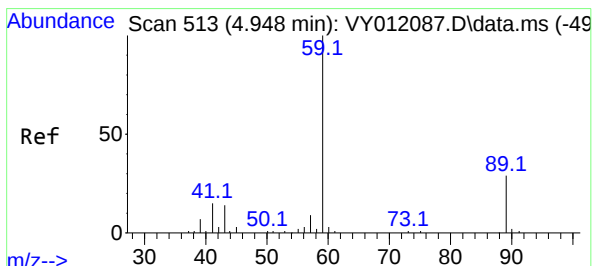
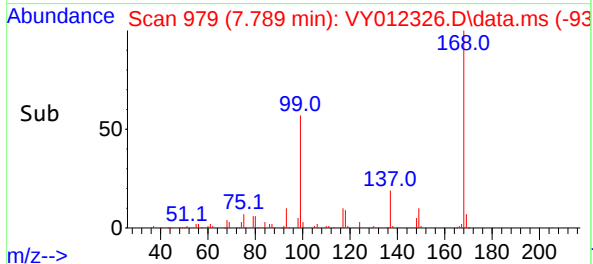
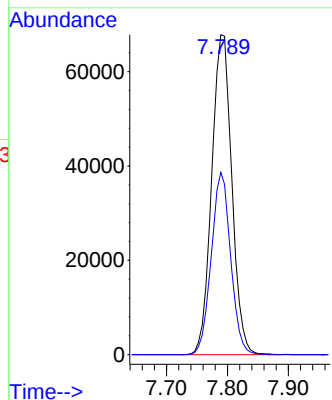


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

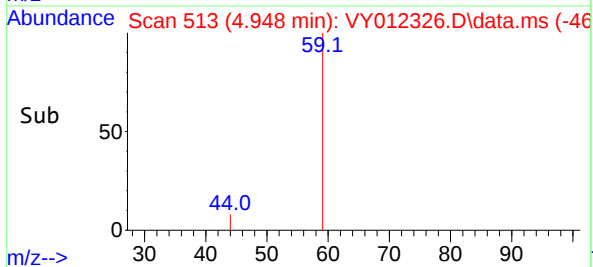
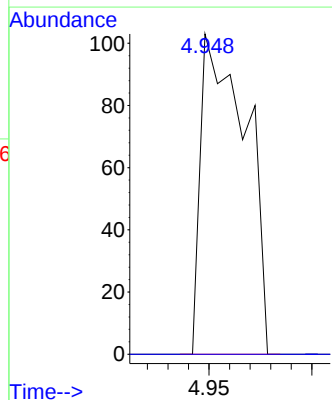
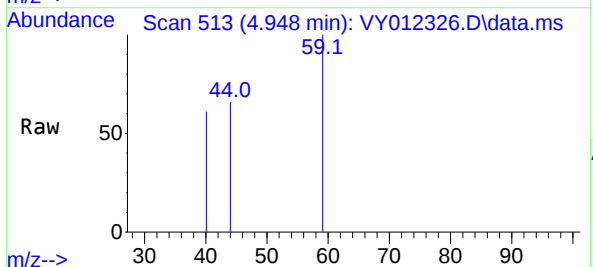


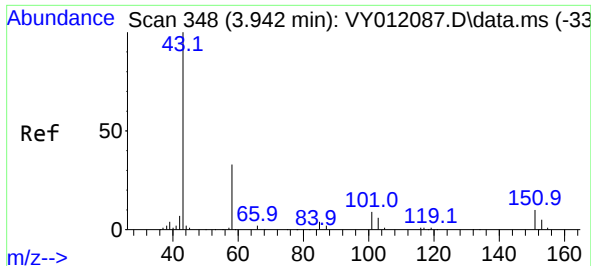
Tgt Ion:168 Resp: 155761  
Ion Ratio Lower Upper  
168 100  
99 56.9 44.0 66.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.948 min Scan# 513  
Delta R.T. 0.000 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

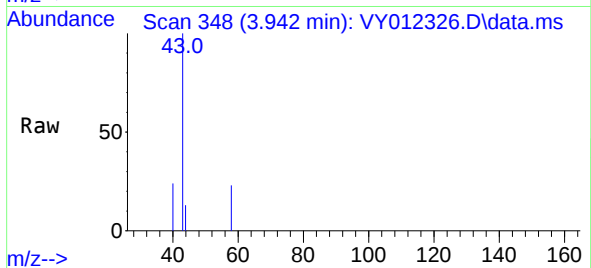
Tgt Ion: 59 Resp: 157  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



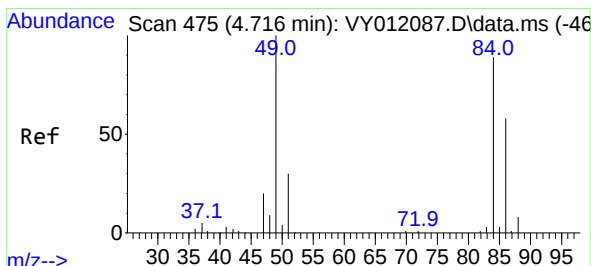
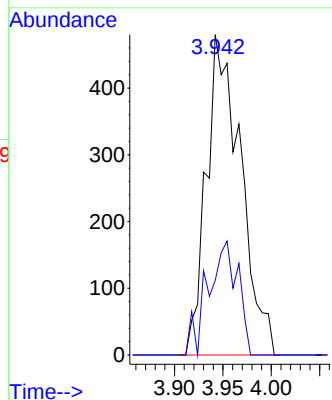
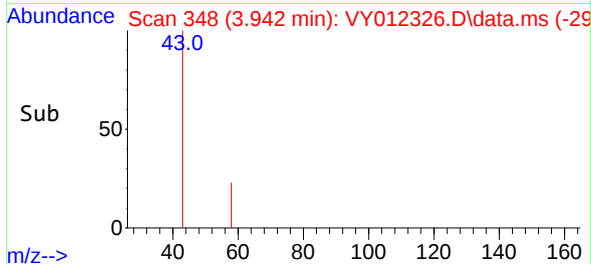


#16  
Acetone  
Concen: 2.728 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

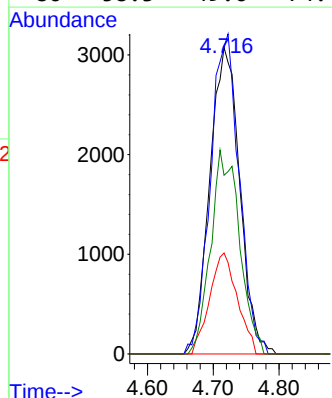
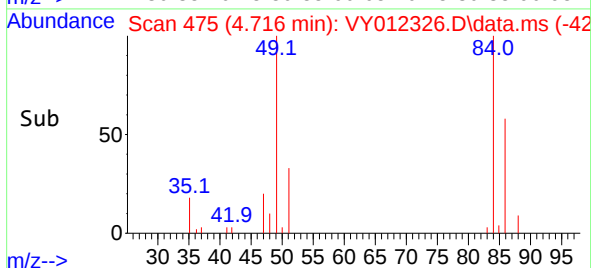
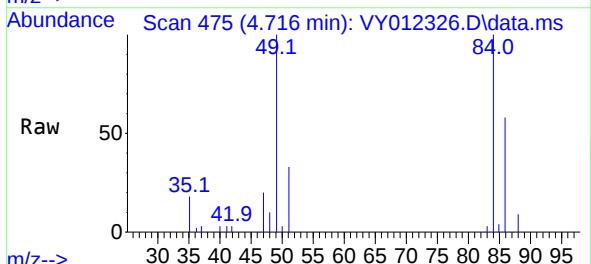


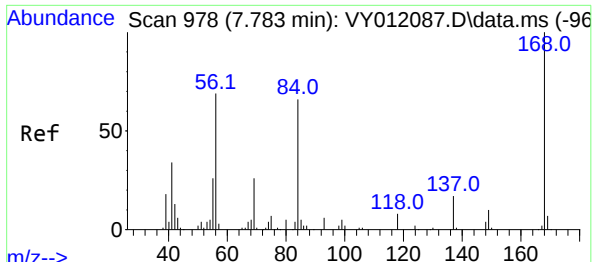
Tgt Ion: 43 Resp: 1183  
Ion Ratio Lower Upper  
43 100  
58 23.3 27.9 41.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

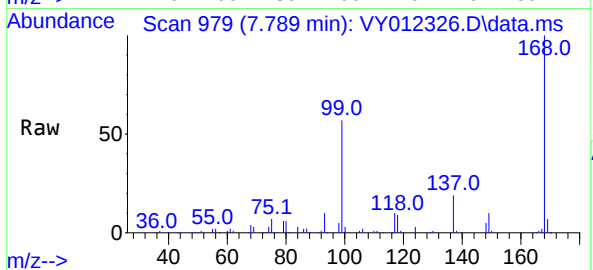
Tgt Ion: 84 Resp: 9749  
Ion Ratio Lower Upper  
84 100  
49 100.1 95.4 143.2  
51 32.9 29.9 44.9  
86 58.3 49.6 74.4



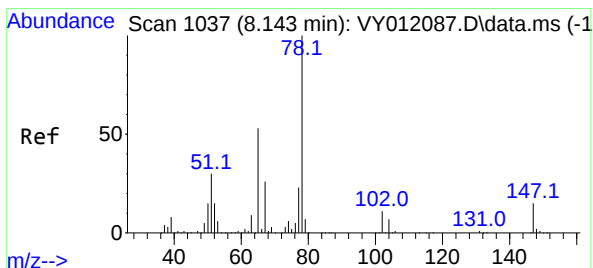
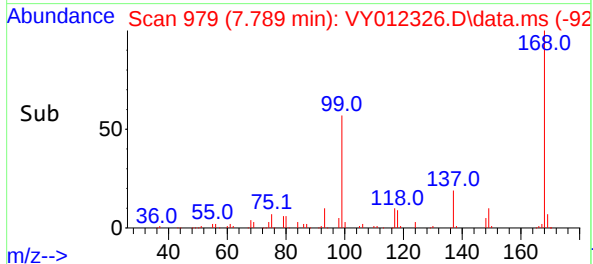
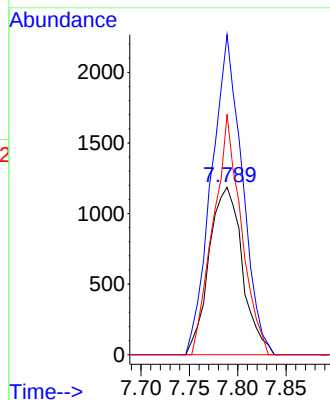


#31  
Cyclohexane  
Concen: 1.249 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

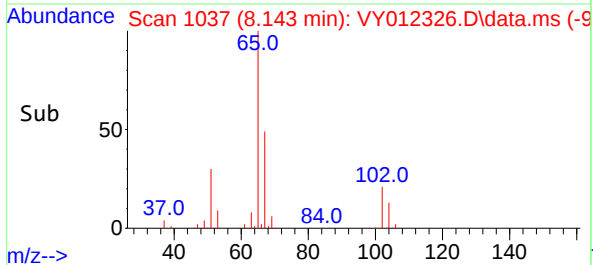
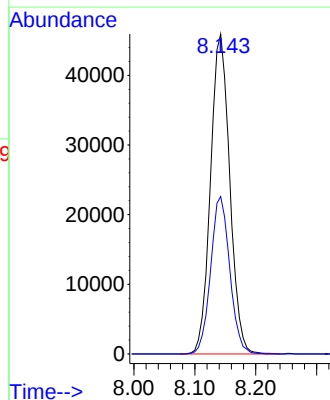
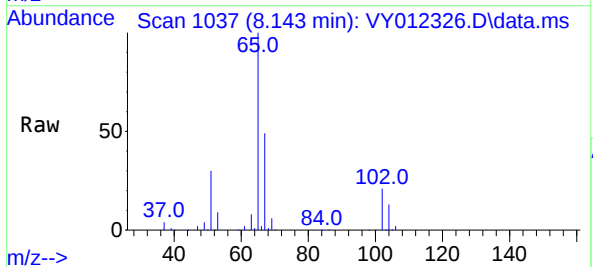


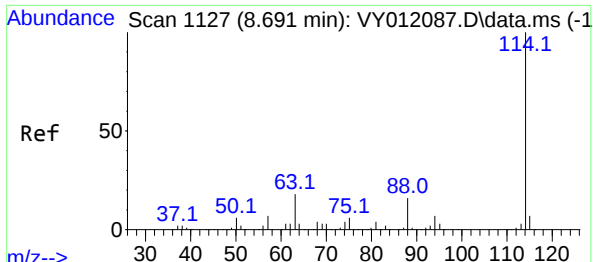
Tgt Ion: 56 Resp: 2836  
Ion Ratio Lower Upper  
56 100  
69 191.1 29.2 43.8#  
84 143.6 72.6 108.8#



#33  
1,2-Dichloroethane-d4  
Concen: 80.353 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

Tgt Ion: 65 Resp: 100661  
Ion Ratio Lower Upper  
65 100  
67 48.8 0.0 103.2

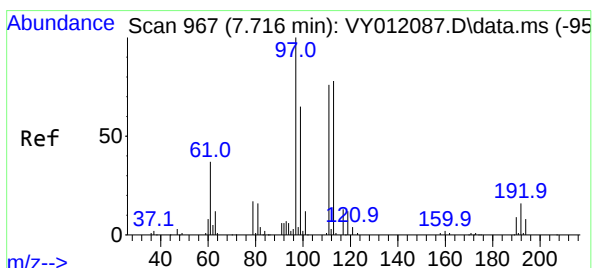
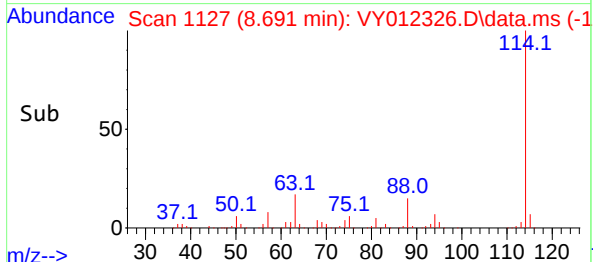
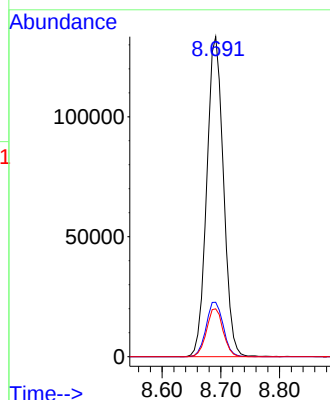
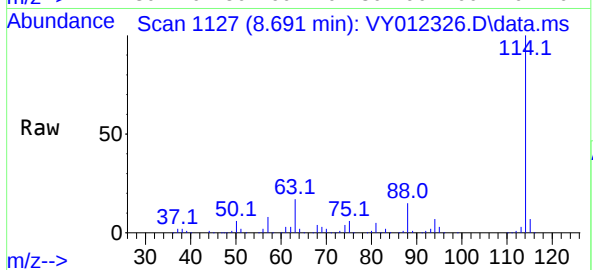




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

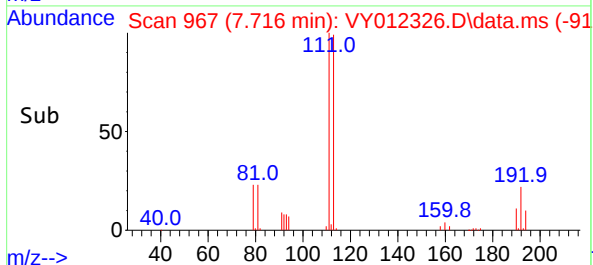
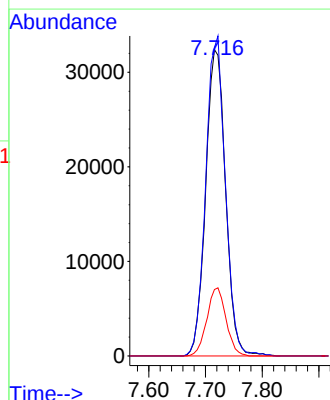
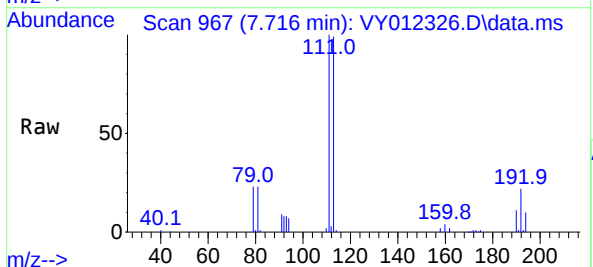
Instrument :  
MSVOA\_Y  
ClientSampleId :

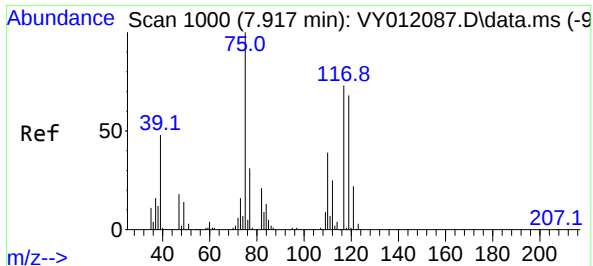
Tgt Ion:114 Resp: 263354  
Ion Ratio Lower Upper  
114 100  
63 17.0 0.0 39.6  
88 14.9 0.0 32.2



#35  
Dibromofluoromethane  
Concen: 56.687 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

Tgt Ion:113 Resp: 79048  
Ion Ratio Lower Upper  
113 100  
111 102.7 83.0 124.4  
192 21.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.528 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012326.D

Acq: 23 Jan 2023 20:05

Instrument :

MSVOA\_Y

ClientSampleId :

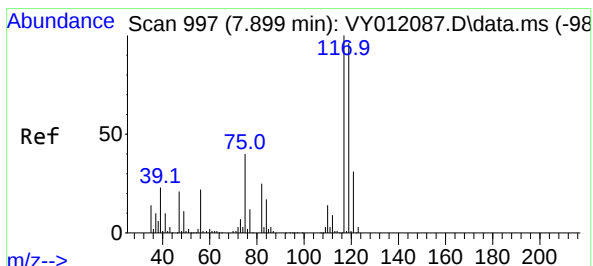
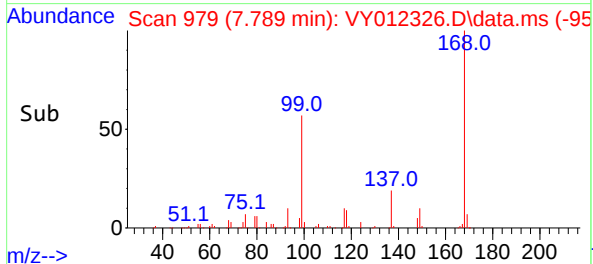
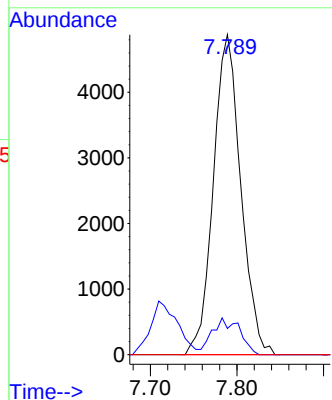
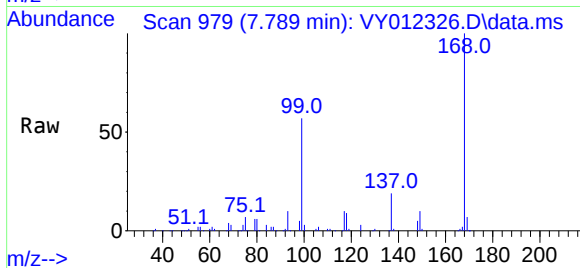
Tgt Ion: 75 Resp: 10730

Ion Ratio Lower Upper

75 100

110 11.6 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.150 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY012326.D

Acq: 23 Jan 2023 20:05

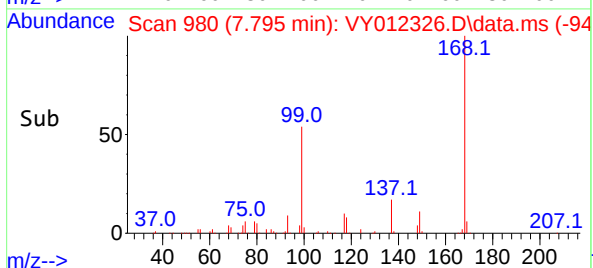
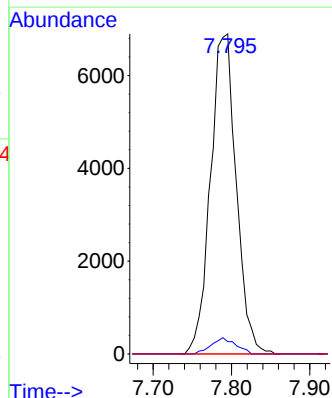
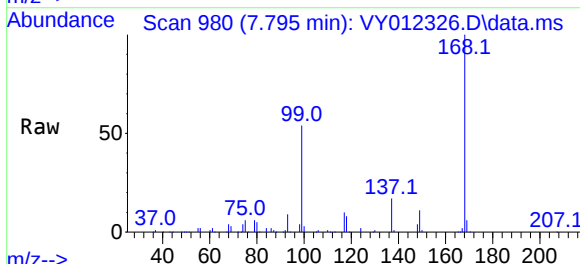
Tgt Ion: 117 Resp: 15762

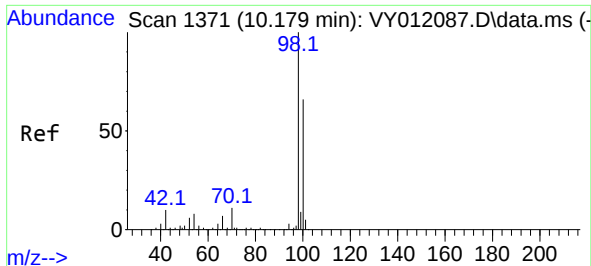
Ion Ratio Lower Upper

117 100

119 3.9 73.8 110.8#

121 0.0 25.2 37.8#

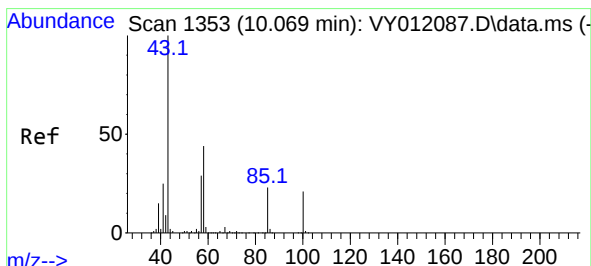
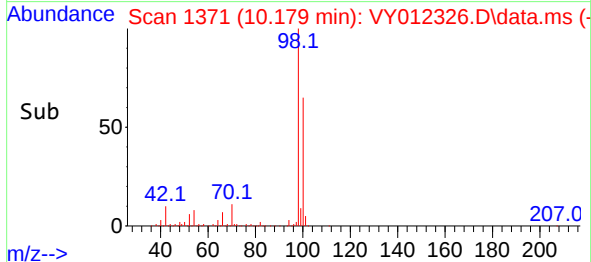
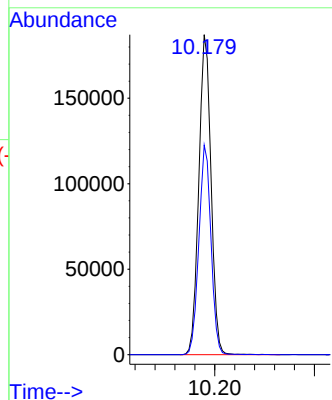
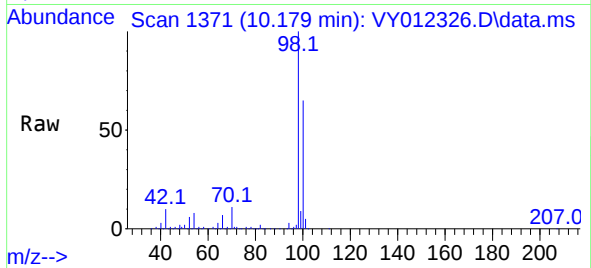




#50  
Toluene-d8  
Concen: 67.315 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

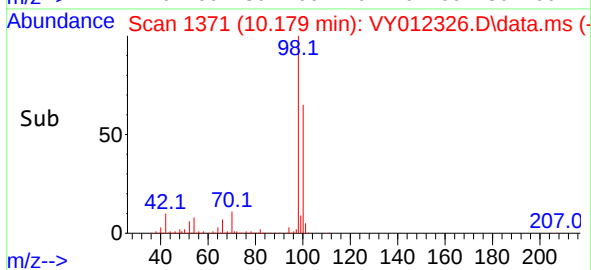
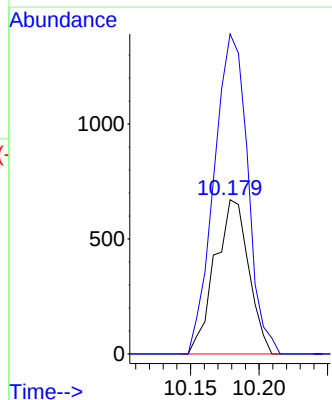
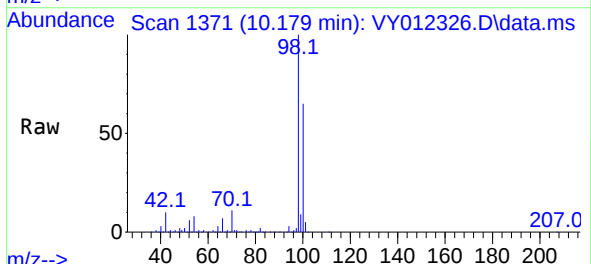
Instrument :  
MSVOA\_Y  
ClientSampleId :

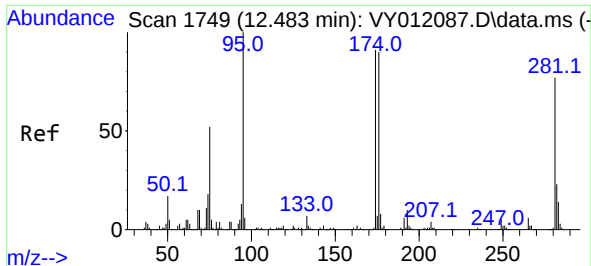
Tgt Ion: 98 Resp: 317988  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 1.106 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.110 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

Tgt Ion: 43 Resp: 1146  
Ion Ratio Lower Upper  
43 100  
58 207.8 32.9 49.3#

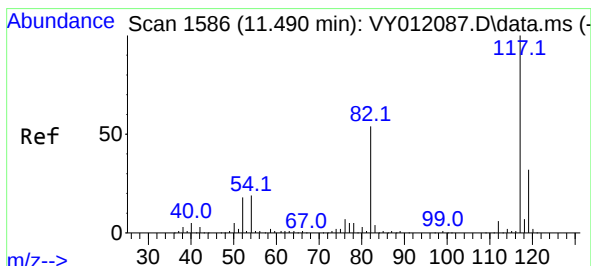
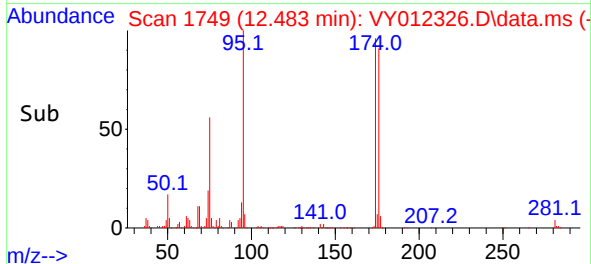
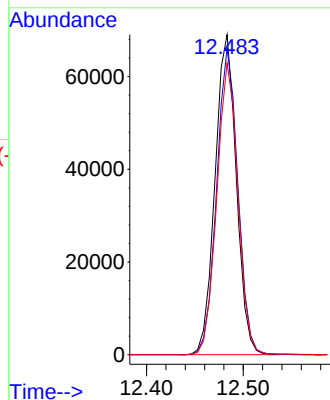
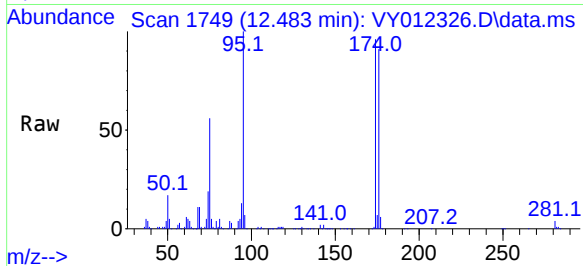




#62  
4-Bromofluorobenzene  
Concen: 53.587 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

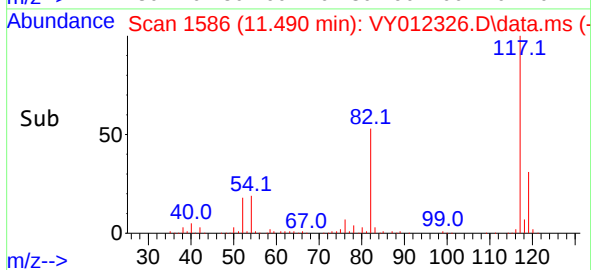
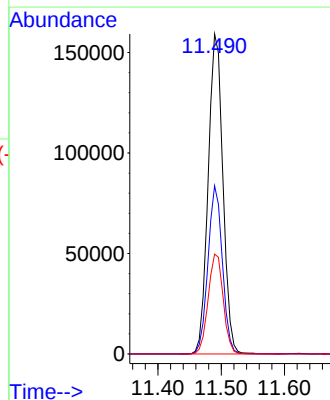
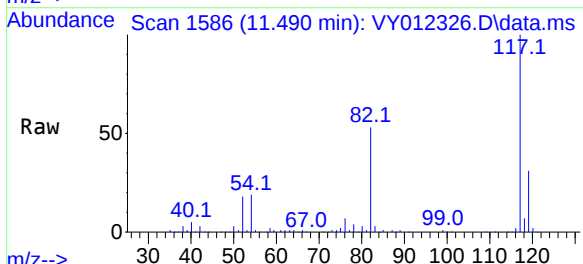
Instrument :  
MSVOA\_Y  
ClientSampleId :

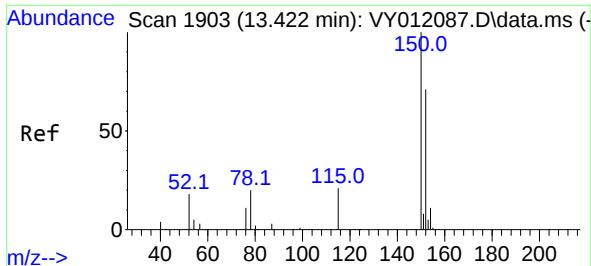
Tgt Ion: 95 Resp: 105339  
Ion Ratio Lower Upper  
95 100  
174 95.4 0.0 172.0  
176 90.6 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

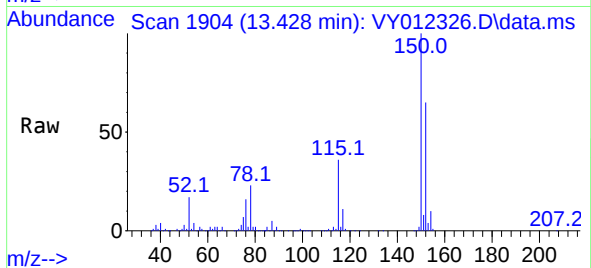
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Ion Ratio Lower Upper  
117 100  
82 52.6 44.8 67.2  
119 31.2 25.4 38.2



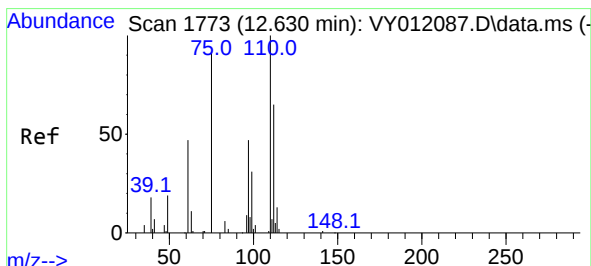
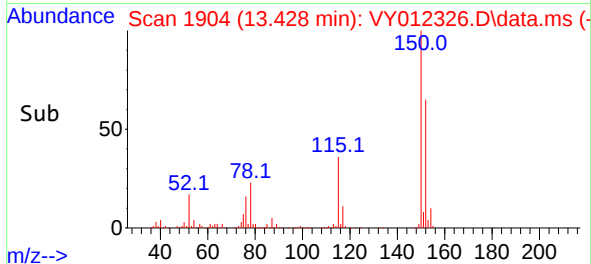
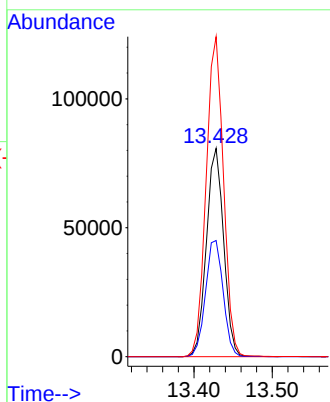


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

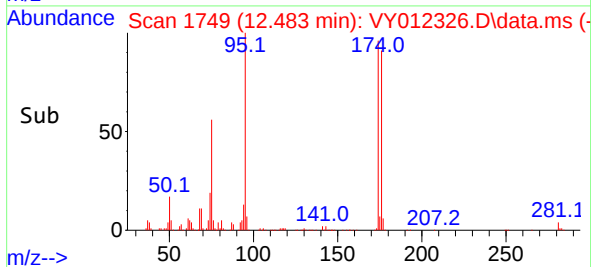
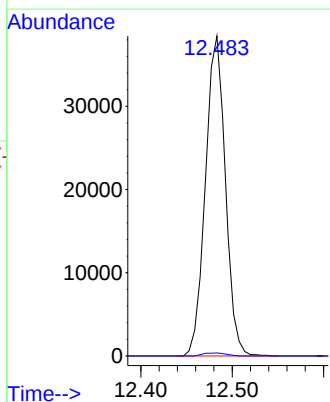
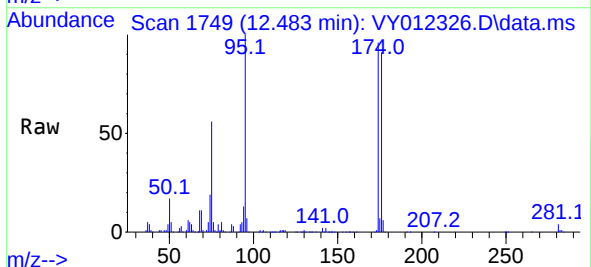


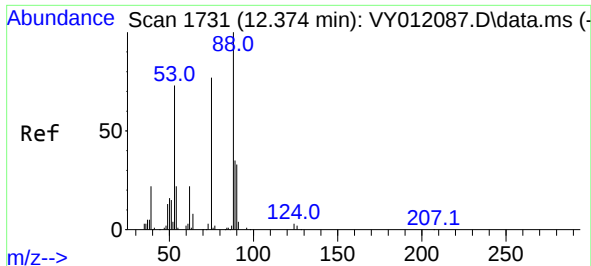
Tgt Ion:152 Resp: 123470  
Ion Ratio Lower Upper  
152 100  
115 57.2 29.1 87.3  
150 154.6 0.0 342.6



#76  
1,2,3-Trichloropropane  
Concen: 51.268 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY012326.D  
Acq: 23 Jan 2023 20:05

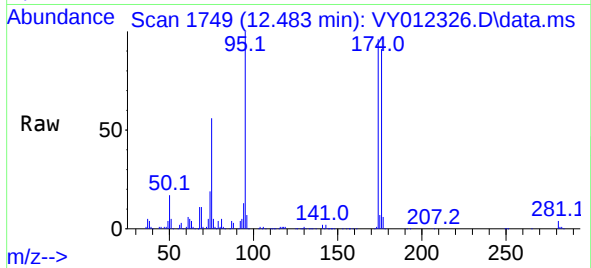
Tgt Ion: 75 Resp: 58207  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 105.634 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.109 min  
 Lab File: VY012326.D  
 Acq: 23 Jan 2023 20:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 58207  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.5 108.7#  
 89 0.0 37.0 55.4#

