

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122023\  
 Data File : VY016740.D  
 Acq On : 21 Dec 2023 05:10  
 Operator : SY/MD  
 Sample : 05876-09  
 Misc : 4.72g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COLX3

Quant Time: Dec 21 05:40:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122023S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 21 01:49:45 2023  
 Response via : Initial Calibration

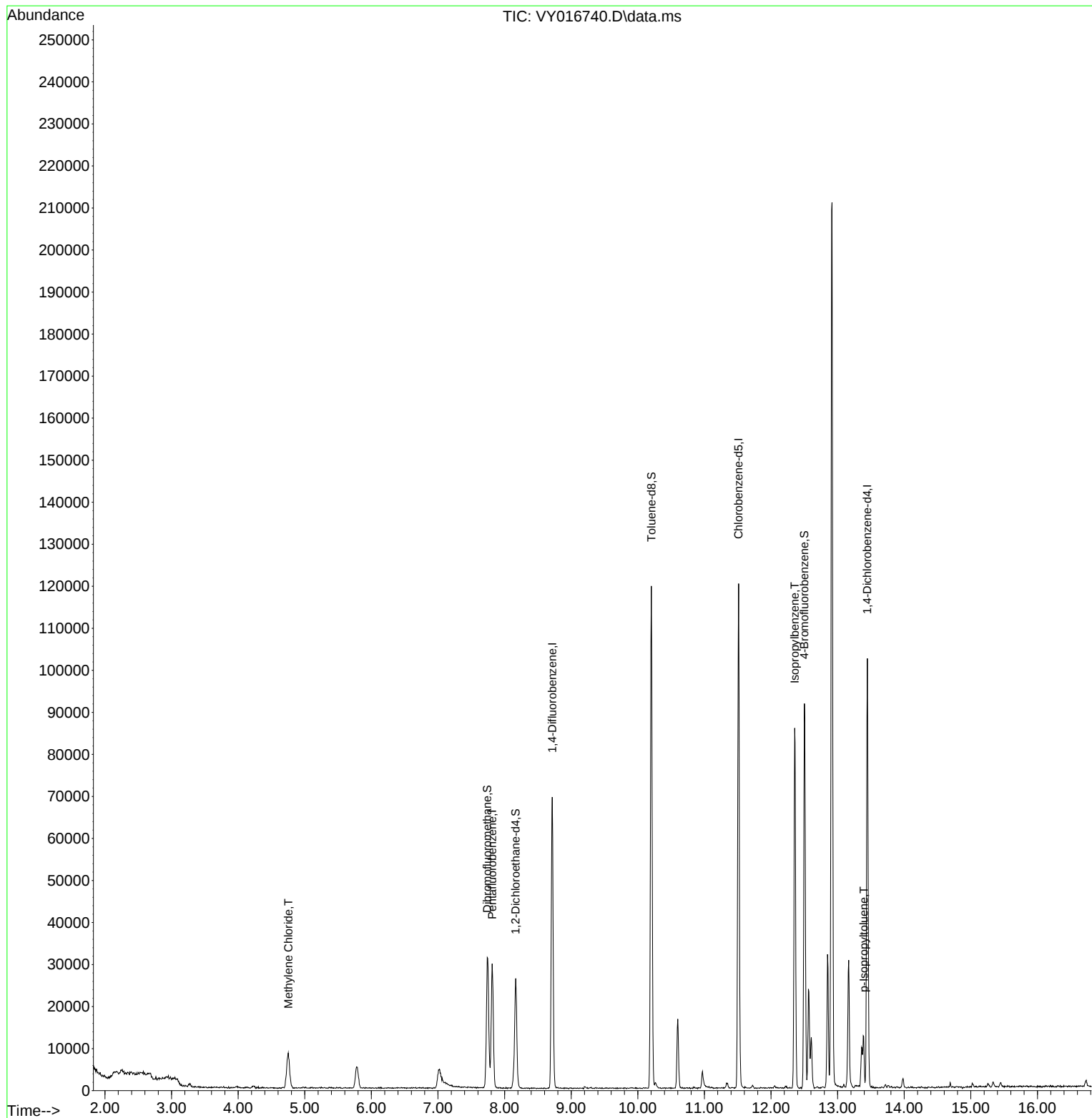
| Compound                    | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                       |           |       |          |          |             |          |
| Internal Standards          |           |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.813     | 168   | 22431    | 50.000   | ug/l        | 0.01     |
| 34) 1,4-Difluorobenzene     | 8.716     | 114   | 58790    | 50.000   | ug/l        | 0.01     |
| 63) Chlorobenzene-d5        | 11.514    | 117   | 66345    | 50.000   | ug/l        | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 13.446    | 152   | 24754    | 50.000   | ug/l        | 0.01     |
| System Monitoring Compounds |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.167     | 65    | 19385    | 94.667   | ug/l        | 0.01     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 189.340%# |          |
| 35) Dibromofluoromethane    | 7.740     | 113   | 23465    | 69.678   | ug/l        | 0.01     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 139.360%  |          |
| 50) Toluene-d8              | 10.203    | 98    | 78720    | 64.844   | ug/l        | 0.01     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 129.680%  |          |
| 62) 4-Bromofluorobenzene    | 12.502    | 95    | 27086    | 68.771   | ug/l        | 0.01     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 137.540%  |          |
| Target Compounds            |           |       |          |          |             |          |
|                             |           |       |          |          | Qvalue      |          |
| 20) Methylene Chloride      | 4.753     | 84    | 6335     | 20.249   | ug/l        | 87       |
| 73) Isopropylbenzene        | 12.355    | 105   | 3950     | 2.049    | ug/l #      | 74       |
| 86) p-Isopropyltoluene      | 13.392    | 119   | 6276     | 3.833    | ug/l #      | 84       |
| -----                       |           |       |          |          |             |          |

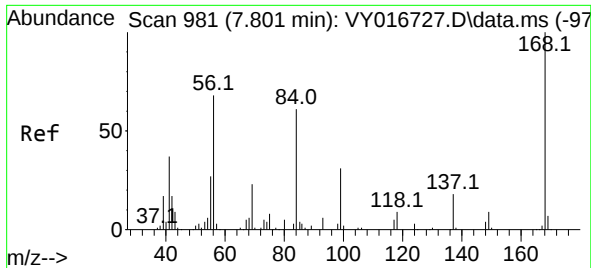
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Dec 21 01:49:45 2023  
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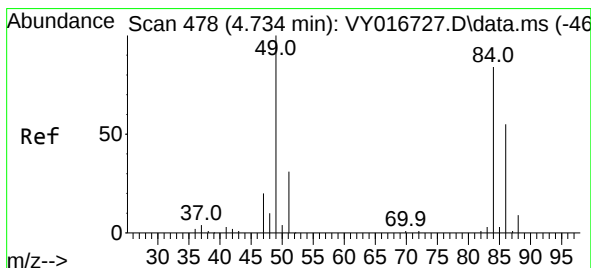
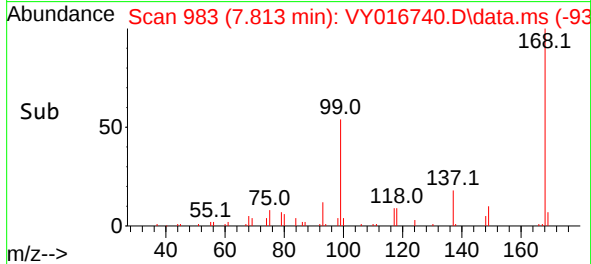
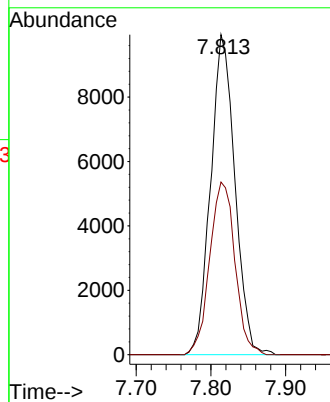
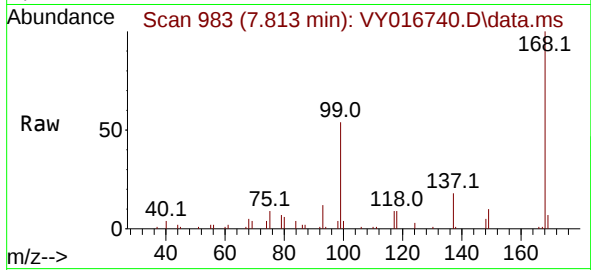




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.813 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY016740.D  
Acq: 21 Dec 2023 05:10

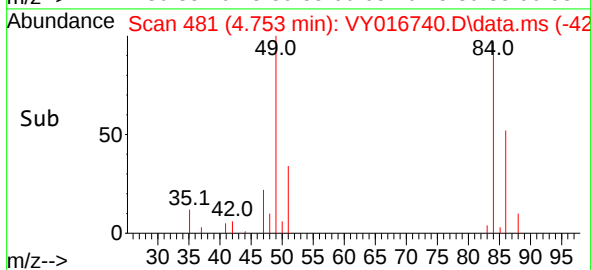
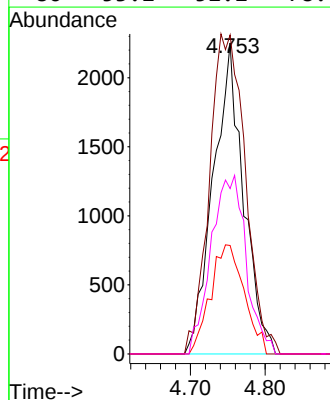
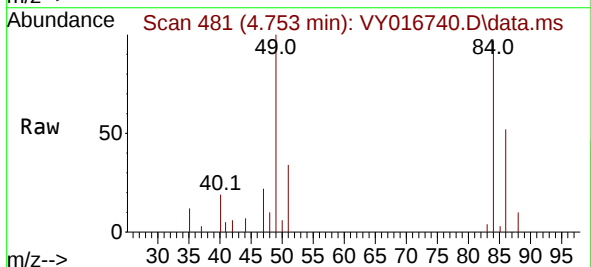
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COLX3

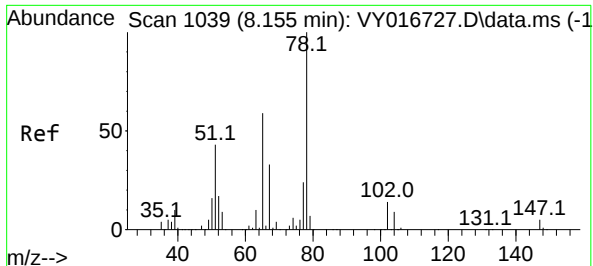
Tgt Ion:168 Resp: 22431  
Ion Ratio Lower Upper  
168 100  
99 53.9 44.2 66.4



#20  
Methylene Chloride  
Concen: 20.249 ug/l  
RT: 4.753 min Scan# 481  
Delta R.T. 0.019 min  
Lab File: VY016740.D  
Acq: 21 Dec 2023 05:10

Tgt Ion: 84 Resp: 6335  
Ion Ratio Lower Upper  
84 100  
49 102.6 95.2 142.8  
51 34.9 29.9 44.9  
86 53.2 52.2 78.4





#33

1,2-Dichloroethane-d4

Concen: 94.667 ug/l

RT: 8.167 min Scan# 1103

Delta R.T. 0.012 min

Lab File: VY016740.D

Acq: 21 Dec 2023 05:10

Instrument :

MSVOA\_Y

ClientSampleId :

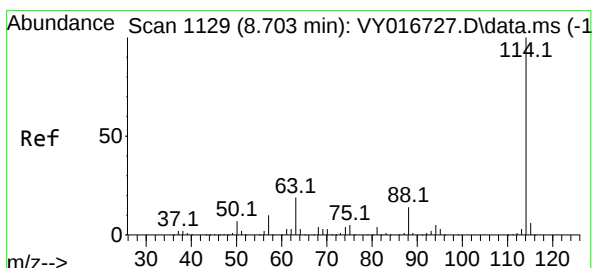
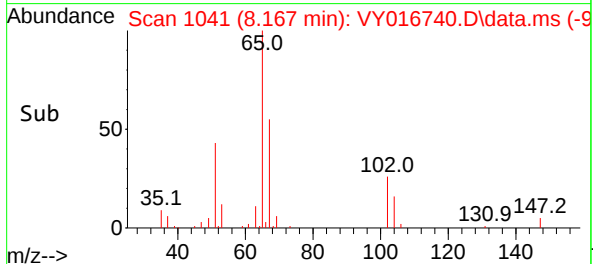
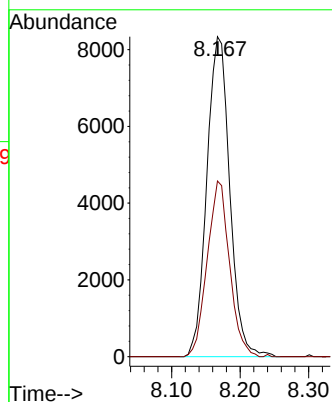
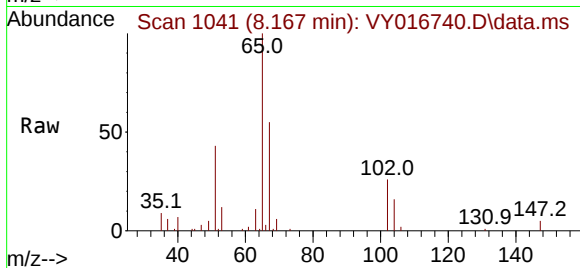
COLX3

Tgt Ion: 65 Resp: 19385

Ion Ratio Lower Upper

65 100

67 53.5 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VY016740.D

Acq: 21 Dec 2023 05:10

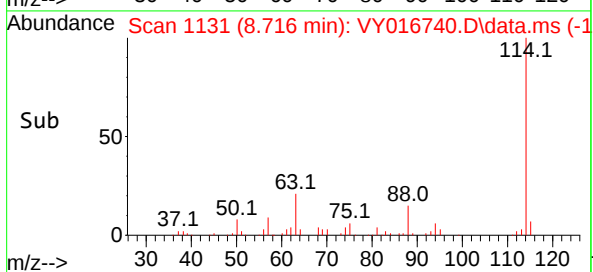
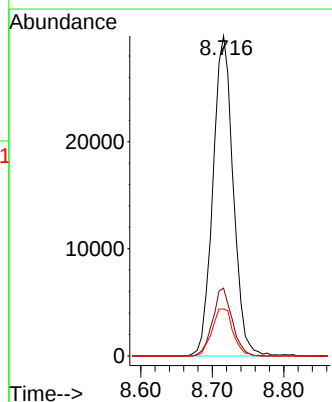
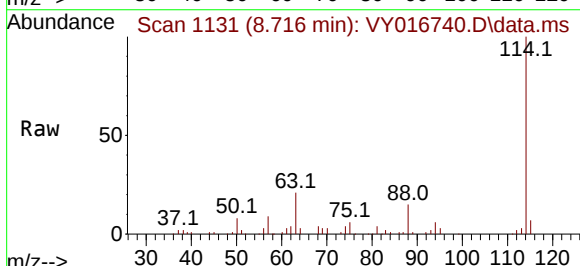
Tgt Ion: 114 Resp: 58790

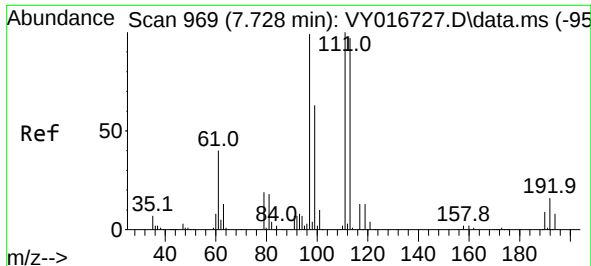
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 14.7 0.0 29.0

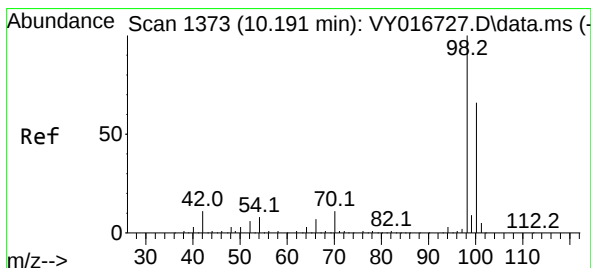
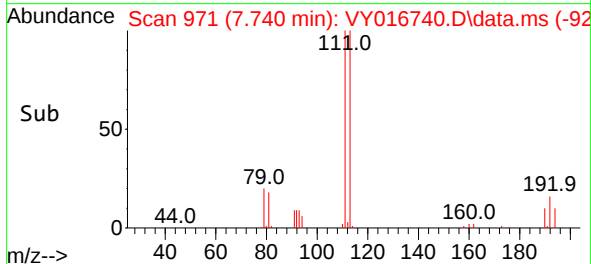
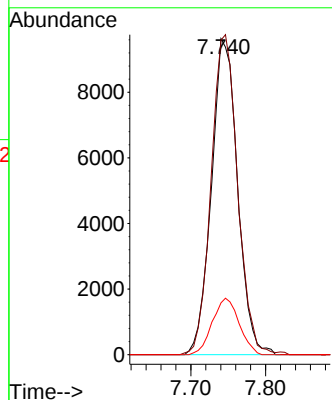
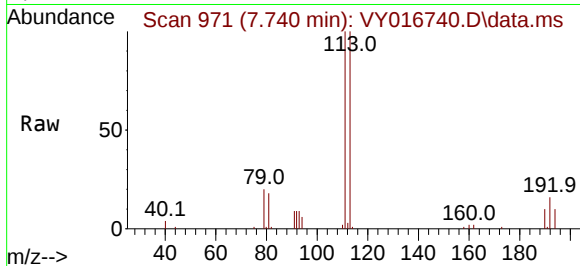




#35  
Dibromofluoromethane  
Concen: 69.678 ug/l  
RT: 7.740 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY016740.D  
Acq: 21 Dec 2023 05:10

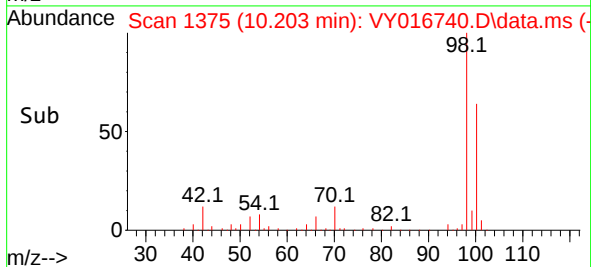
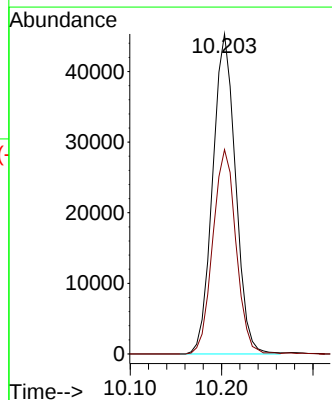
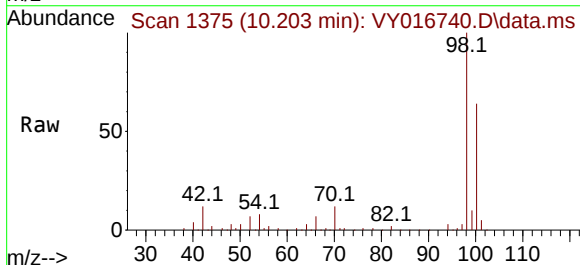
Instrument :  
MSVOA\_Y  
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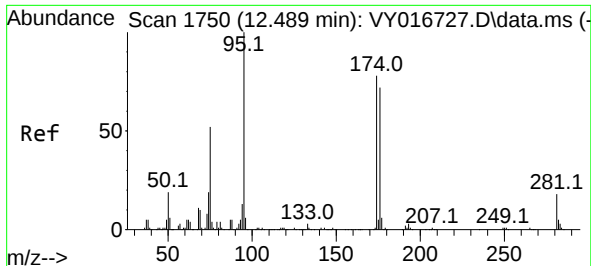
Tgt Ion:113 Resp: 23465  
Ion Ratio Lower Upper  
113 100  
111 102.4 83.8 125.6  
192 18.3 14.5 21.7



#50  
Toluene-d8  
Concen: 64.844 ug/l  
RT: 10.203 min Scan# 1375  
Delta R.T. 0.012 min  
Lab File: VY016740.D  
Acq: 21 Dec 2023 05:10

Tgt Ion: 98 Resp: 78720  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.3 78.5

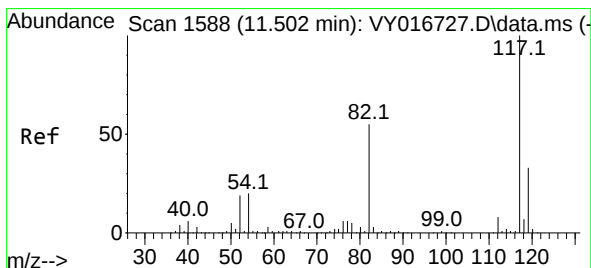
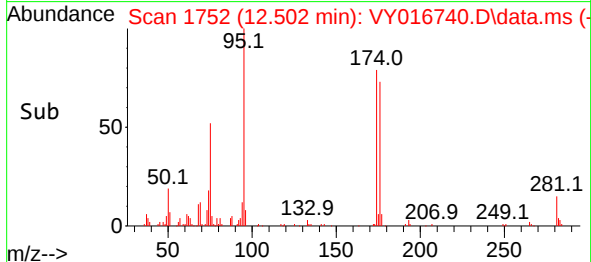
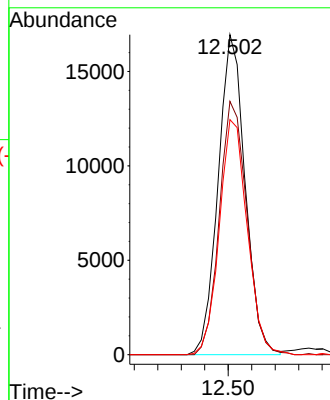
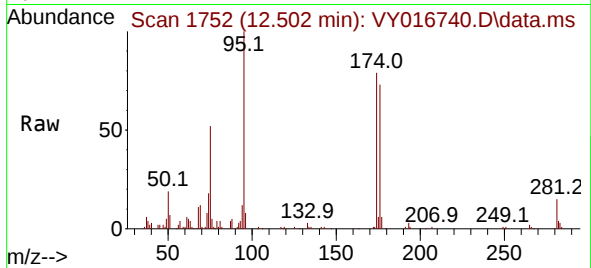




#62  
4-Bromofluorobenzene  
Concen: 68.771 ug/l  
RT: 12.502 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY016740.D  
Acq: 21 Dec 2023 05:10

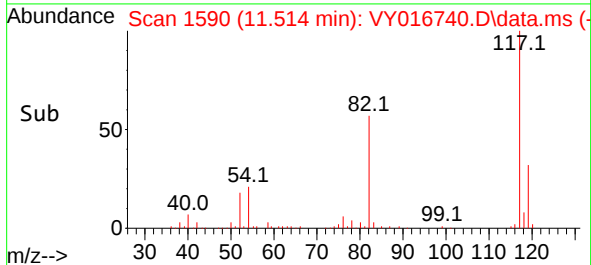
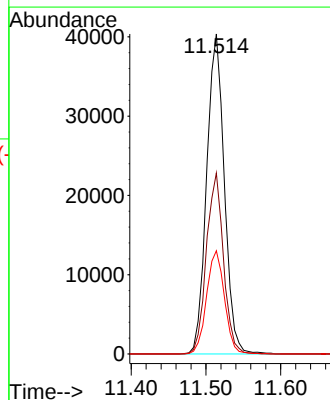
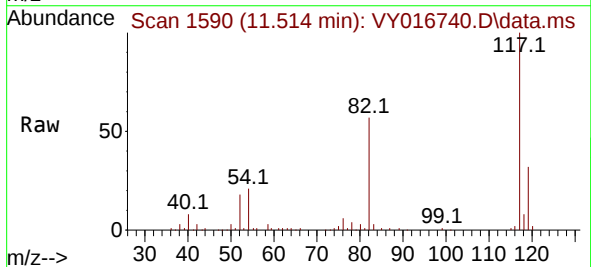
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COLX3

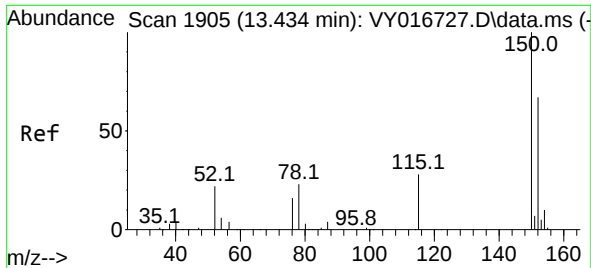
Tgt Ion: 95 Resp: 27086  
Ion Ratio Lower Upper  
95 100  
174 80.7 0.0 160.0  
176 75.9 0.0 151.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.514 min Scan# 1590  
Delta R.T. 0.012 min  
Lab File: VY016740.D  
Acq: 21 Dec 2023 05:10

Tgt Ion: 117 Resp: 66345  
Ion Ratio Lower Upper  
117 100  
82 56.6 43.8 65.8  
119 32.3 26.5 39.7

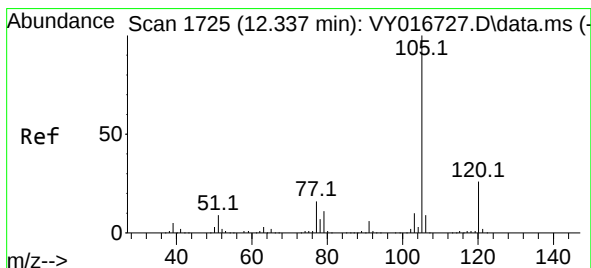
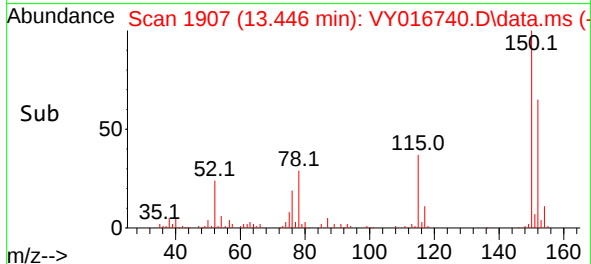
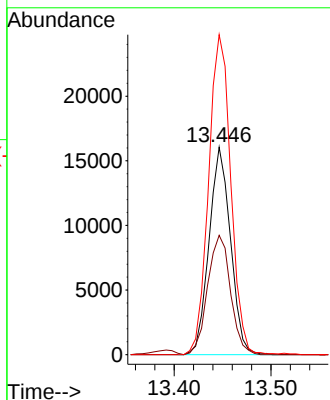
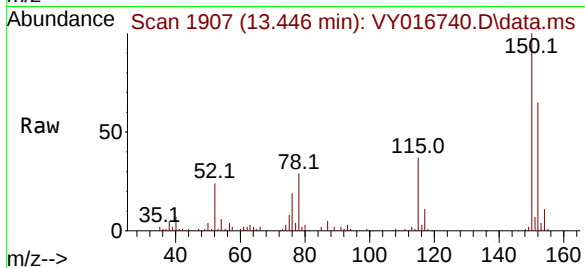




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.446 min Scan# 1905  
Delta R.T. 0.012 min  
Lab File: VY016740.D  
Acq: 21 Dec 2023 05:10

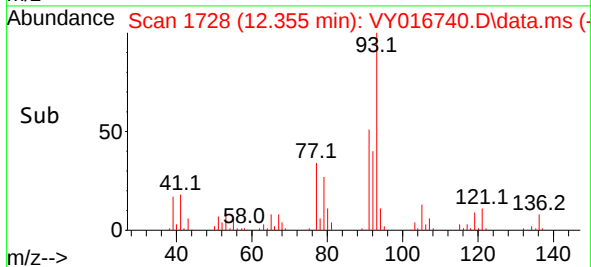
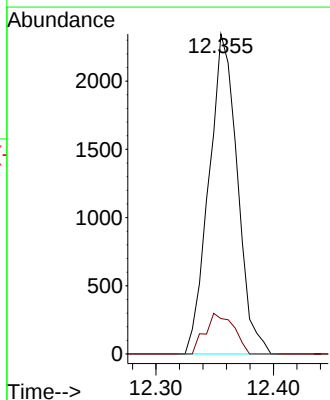
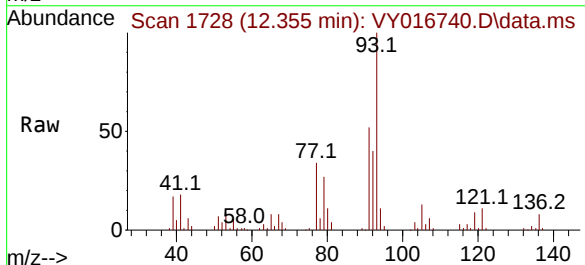
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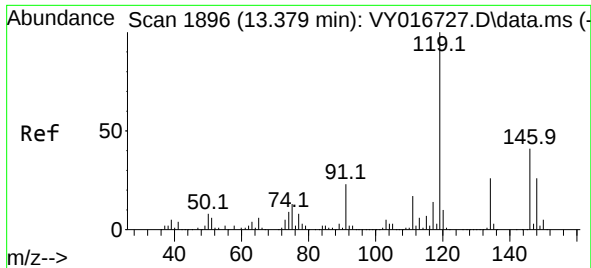
Tgt Ion:152 Resp: 24754  
Ion Ratio Lower Upper  
152 100  
115 61.2 30.0 90.0  
150 159.3 0.0 344.6



#73  
Isopropylbenzene  
Concen: 2.049 ug/l  
RT: 12.355 min Scan# 1728  
Delta R.T. 0.019 min  
Lab File: VY016740.D  
Acq: 21 Dec 2023 05:10

Tgt Ion:105 Resp: 3950  
Ion Ratio Lower Upper  
105 100  
120 12.7 13.0 39.0#





#86  
 p-Isopropyltoluene  
 Concen: 3.833 ug/l  
 RT: 13.392 min Scan# 11  
 Delta R.T. 0.012 min  
 Lab File: VY016740.D  
 Acq: 21 Dec 2023 05:10

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COLX3

Tgt Ion:119 Resp: 6276  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 13.1 39.1  
 91 39.1 11.7 35.0#

