

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110223\  
 Data File : VY016190.D  
 Acq On : 02 Nov 2023 15:11  
 Operator : SY/MD  
 Sample : 05214-05  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NL-OILY-DEBRIS

Quant Time: Nov 03 01:41:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:33:29 2023  
 Response via : Initial Calibration

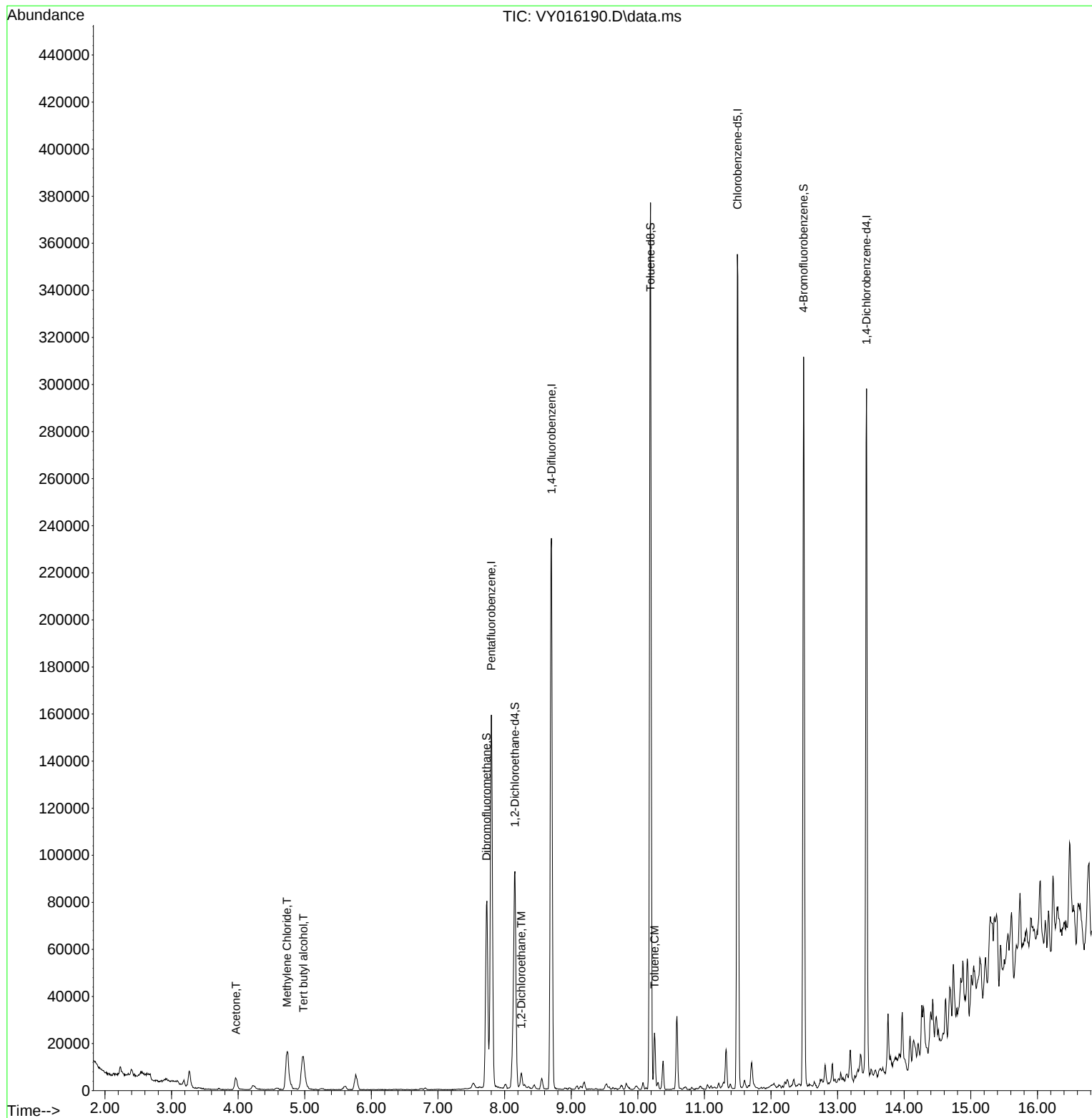
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 123719   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.703  | 114   | 206828   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 196381   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 75825    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 67160    | 58.013   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 116.020% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 56271    | 45.636   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 91.280%  |
| 50) Toluene-d8              | 10.191 | 98    | 249829   | 51.102   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 102.200% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 83375    | 49.874   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 99.740%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 4.978  | 59    | 31516    | 364.364  | ug/l # | 82       |
| 16) Acetone                 | 3.966  | 43    | 9331     | 34.007   | ug/l   | 100      |
| 20) Methylene Chloride      | 4.734  | 84    | 13308    | 8.792    | ug/l # | 88       |
| 42) 1,2-Dichloroethane      | 8.252  | 62    | 2970     | 2.082    | ug/l   | 98       |
| 52) Toluene                 | 10.252 | 92    | 9881     | 2.983    | ug/l   | 94       |
| -----                       |        |       |          |          |        |          |

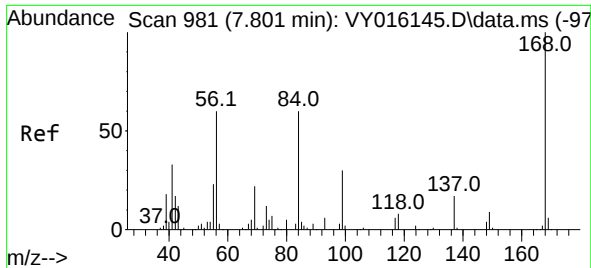
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Nov 01 03:33:29 2023  
Response via : Initial Calibration

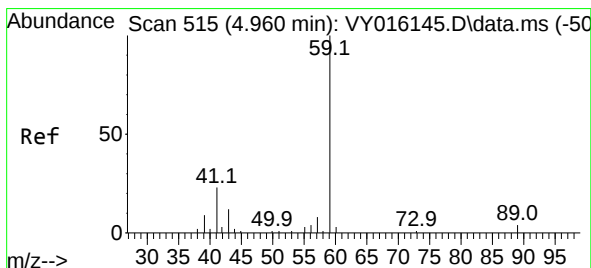
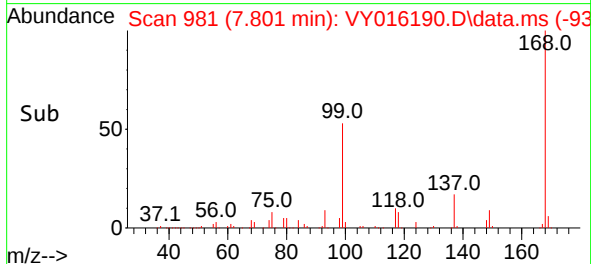
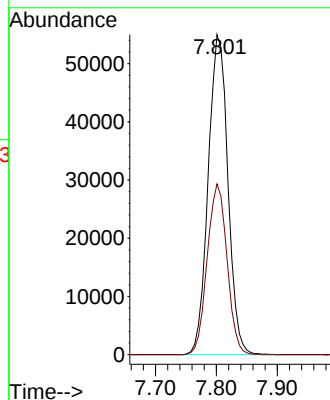
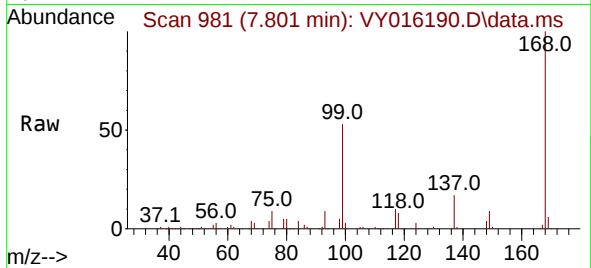




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY016190.D  
Acq: 02 Nov 2023 15:11

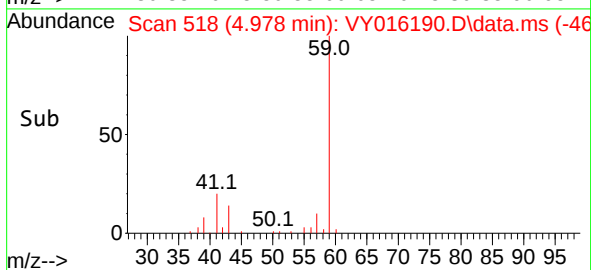
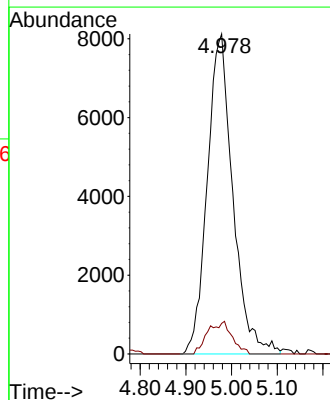
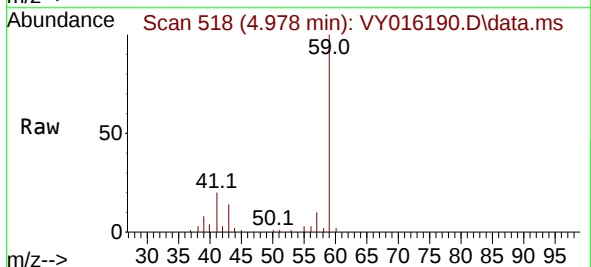
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NL-OILY-DEBRIS

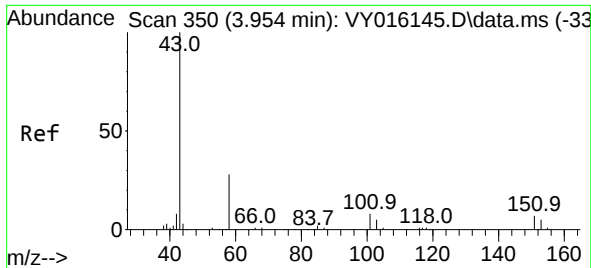
Tgt Ion:168 Resp: 123719  
Ion Ratio Lower Upper  
168 100  
99 53.4 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 364.364 ug/l  
RT: 4.978 min Scan# 518  
Delta R.T. 0.018 min  
Lab File: VY016190.D  
Acq: 02 Nov 2023 15:11

Tgt Ion: 59 Resp: 31516  
Ion Ratio Lower Upper  
59 100  
57 9.7 3.0 4.4#

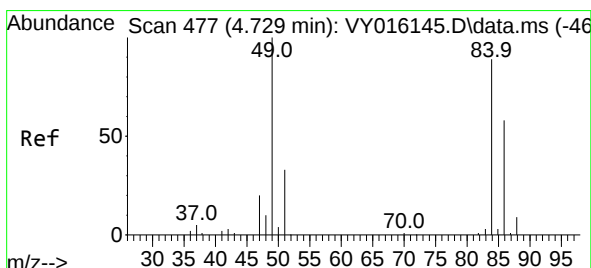
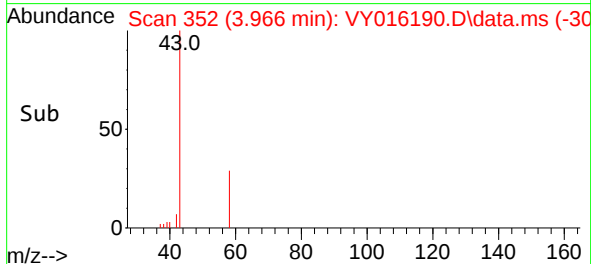
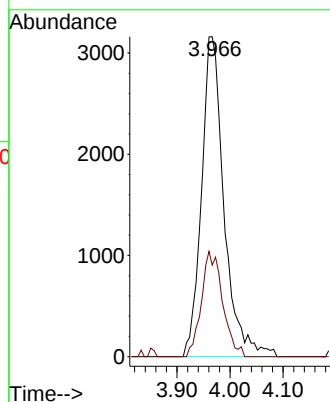
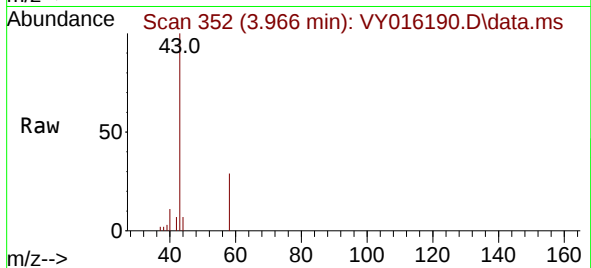




#16  
Acetone  
Concen: 34.007 ug/l  
RT: 3.966 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY016190.D  
Acq: 02 Nov 2023 15:11

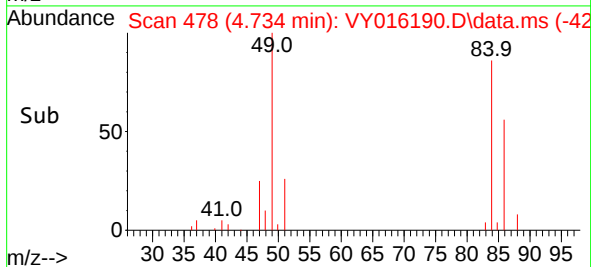
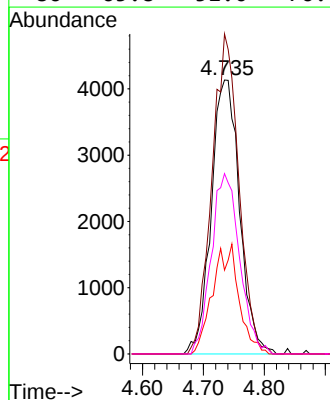
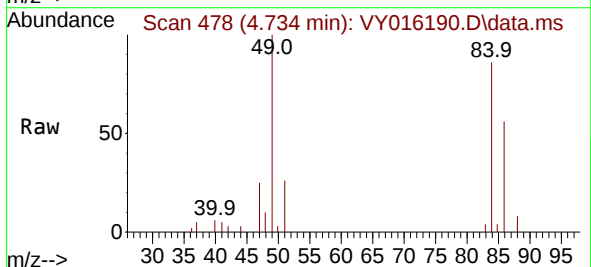
Instrument :  
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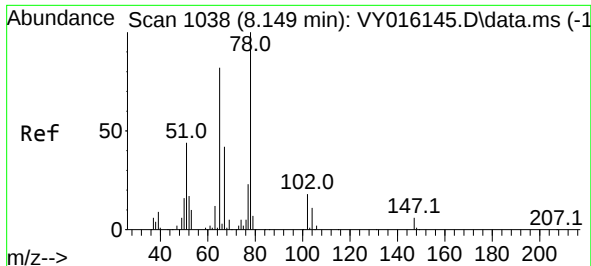
Tgt Ion: 43 Resp: 9331  
Ion Ratio Lower Upper  
43 100  
58 28.6 22.7 34.1



#20  
Methylene Chloride  
Concen: 8.792 ug/l  
RT: 4.734 min Scan# 478  
Delta R.T. 0.005 min  
Lab File: VY016190.D  
Acq: 02 Nov 2023 15:11

Tgt Ion: 84 Resp: 13308  
Ion Ratio Lower Upper  
84 100  
49 116.8 106.9 160.3  
51 30.6 33.2 49.8#  
86 65.8 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 58.013 ug/l

RT: 8.155 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016190.D

Acq: 02 Nov 2023 15:11

Instrument :

MSVOA\_Y

ClientSampleId :

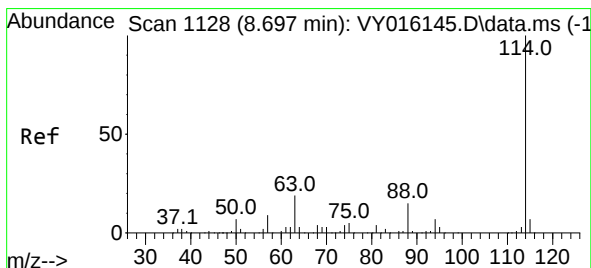
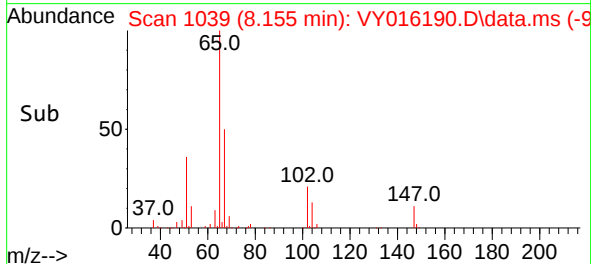
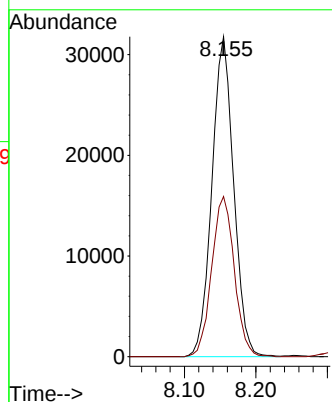
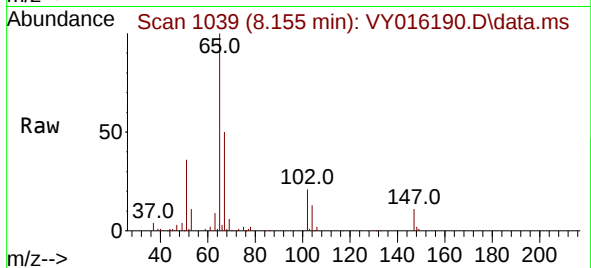
NL-OILY-DEBRIS

Tgt Ion: 65 Resp: 67160

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016190.D

Acq: 02 Nov 2023 15:11

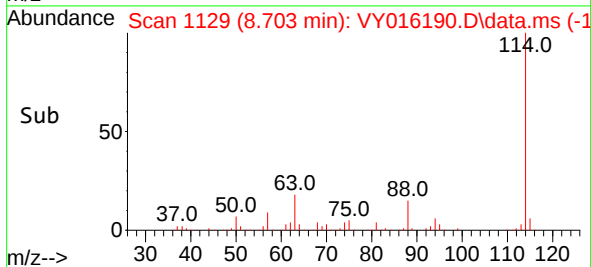
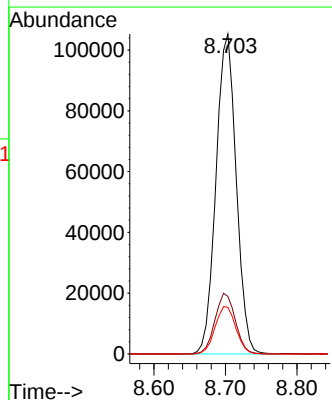
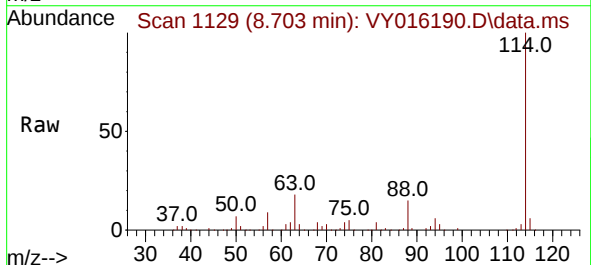
Tgt Ion: 114 Resp: 206828

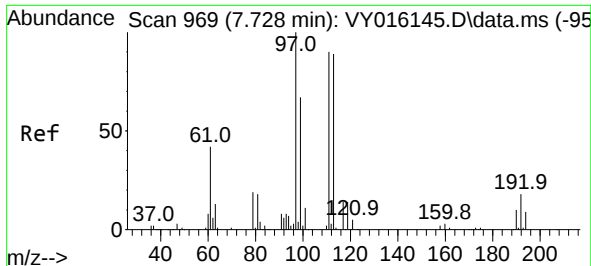
Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 14.6 0.0 30.6

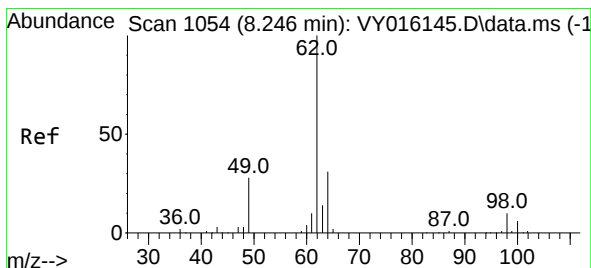
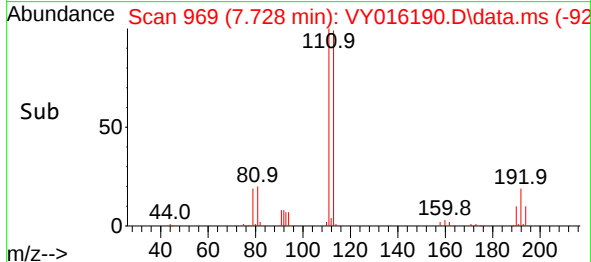
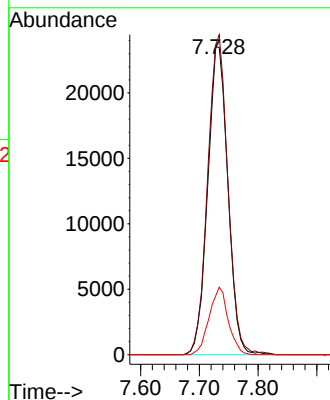
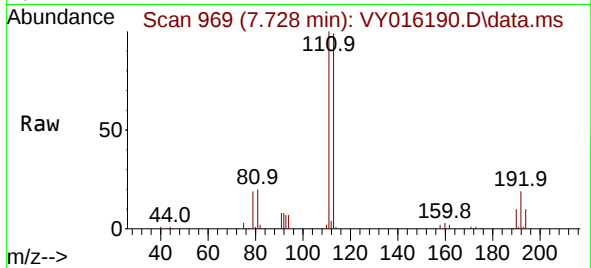




#35  
Dibromofluoromethane  
Concen: 45.636 ug/l  
RT: 7.728 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY016190.D  
Acq: 02 Nov 2023 15:11

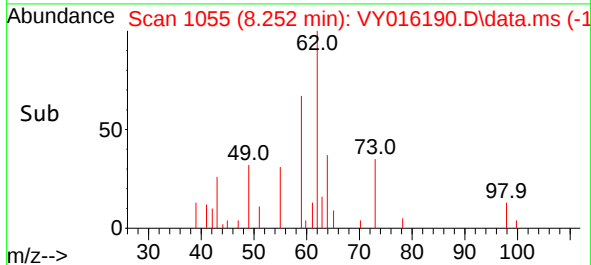
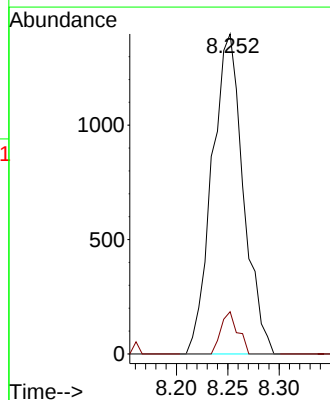
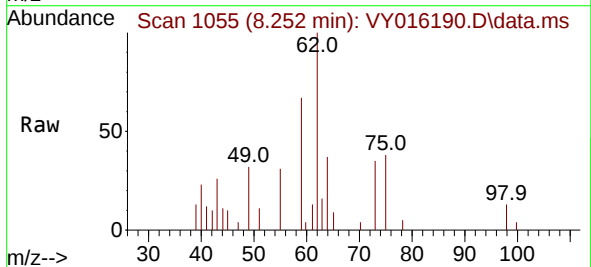
Instrument :  
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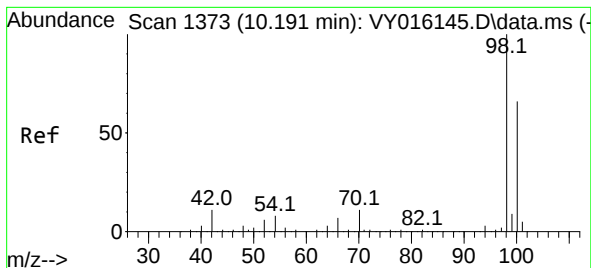
Tgt Ion:113 Resp: 56271  
Ion Ratio Lower Upper  
113 100  
111 103.9 81.3 121.9  
192 20.6 16.9 25.3



#42  
1,2-Dichloroethane  
Concen: 2.082 ug/l  
RT: 8.252 min Scan# 1055  
Delta R.T. 0.006 min  
Lab File: VY016190.D  
Acq: 02 Nov 2023 15:11

Tgt Ion: 62 Resp: 2970  
Ion Ratio Lower Upper  
62 100  
98 7.1 0.0 15.8





#50

Toluene-d8

Concen: 51.102 ug/l

RT: 10.191 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016190.D

Acq: 02 Nov 2023 15:11

Instrument :

MSVOA\_Y

ClientSampleId :

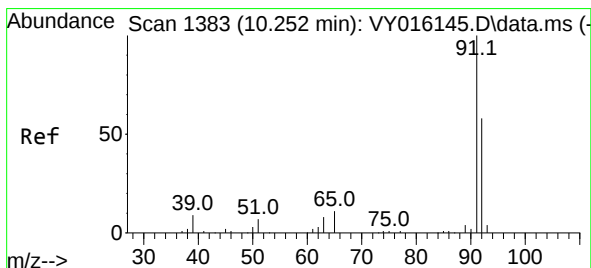
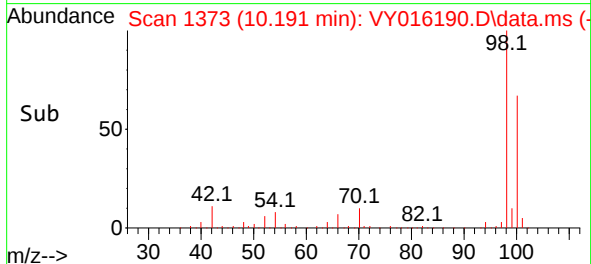
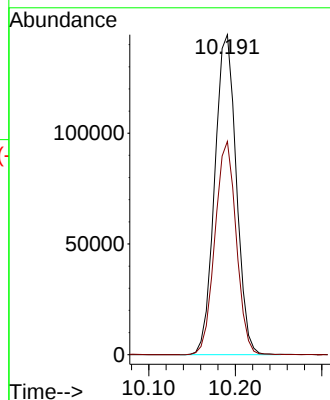
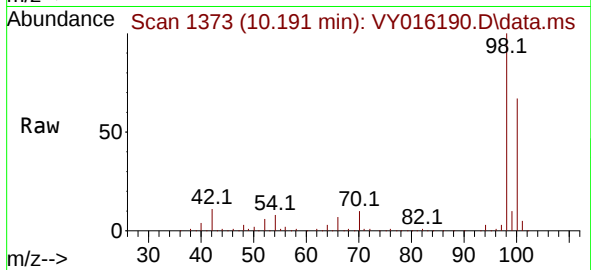
NL-OILY-DEBRIS

Tgt Ion: 98 Resp: 249829

Ion Ratio Lower Upper

98 100

100 65.8 50.1 75.1



#52

Toluene

Concen: 2.983 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VY016190.D

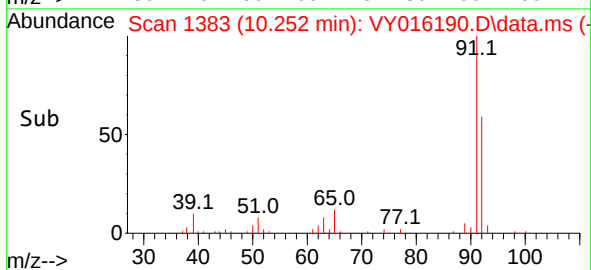
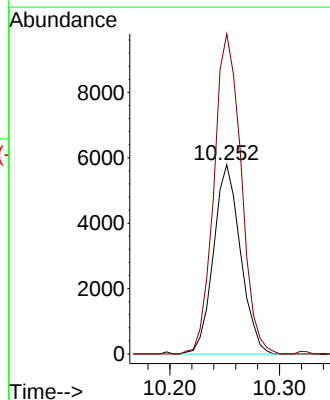
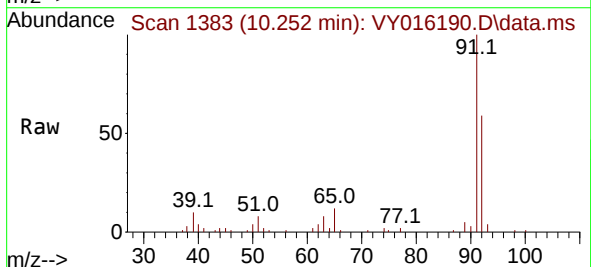
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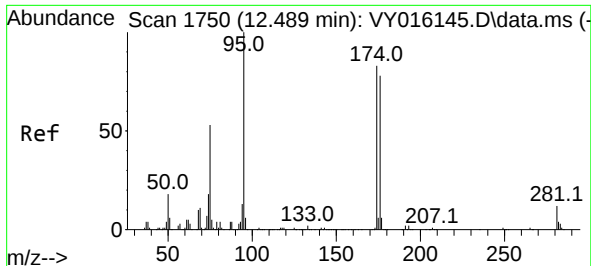
Tgt Ion: 92 Resp: 9881

Ion Ratio Lower Upper

92 100

91 171.3 143.8 215.6

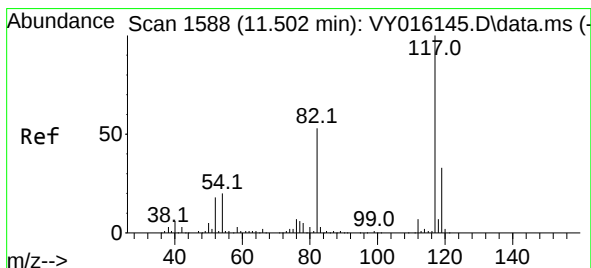
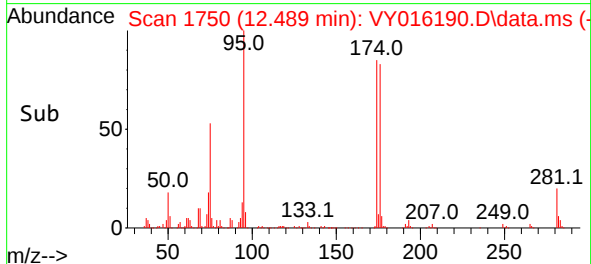
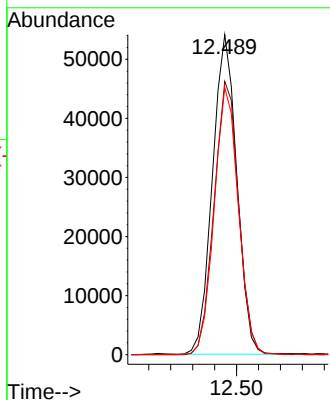
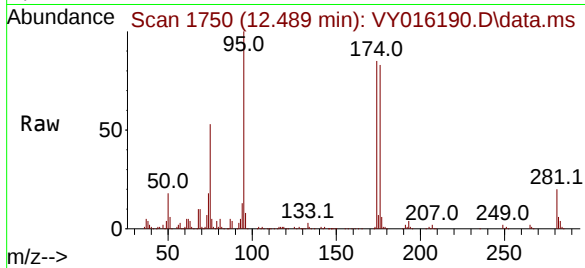




#62  
4-Bromofluorobenzene  
Concen: 49.874 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016190.D  
Acq: 02 Nov 2023 15:11

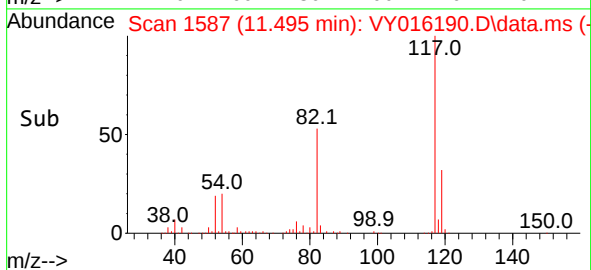
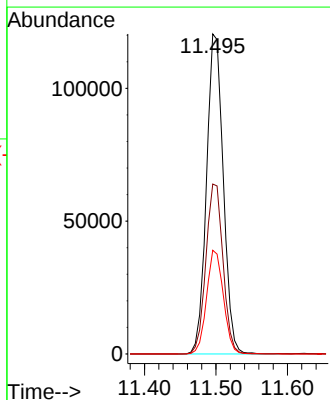
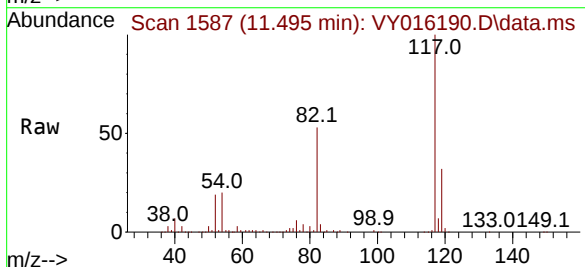
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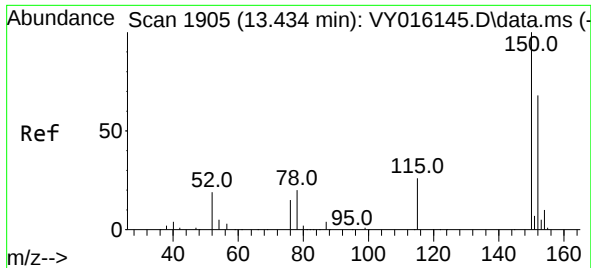
Tgt Ion: 95 Resp: 83375  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 178.2  
176 83.1 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY016190.D  
Acq: 02 Nov 2023 15:11

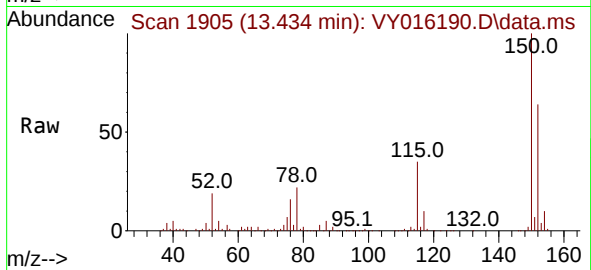
Tgt Ion: 117 Resp: 196381  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.4 65.0  
119 32.4 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.434 min Scan# 1905  
 Delta R.T. -0.000 min  
 Lab File: VY016190.D  
 Acq: 02 Nov 2023 15:11

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NL-OILY-DEBRIS



Tgt Ion:152 Resp: 75825  
 Ion Ratio Lower Upper  
 152 100  
 115 56.9 28.8 86.5  
 150 156.6 0.0 348.8

