

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071224\  
 Data File : VY018802.D  
 Acq On : 12 Jul 2024 17:05  
 Operator : SY/MD  
 Sample : P3207-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CHRT-26899

Quant Time: Jul 12 23:42:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 14:28:51 2024  
 Response via : Initial Calibration

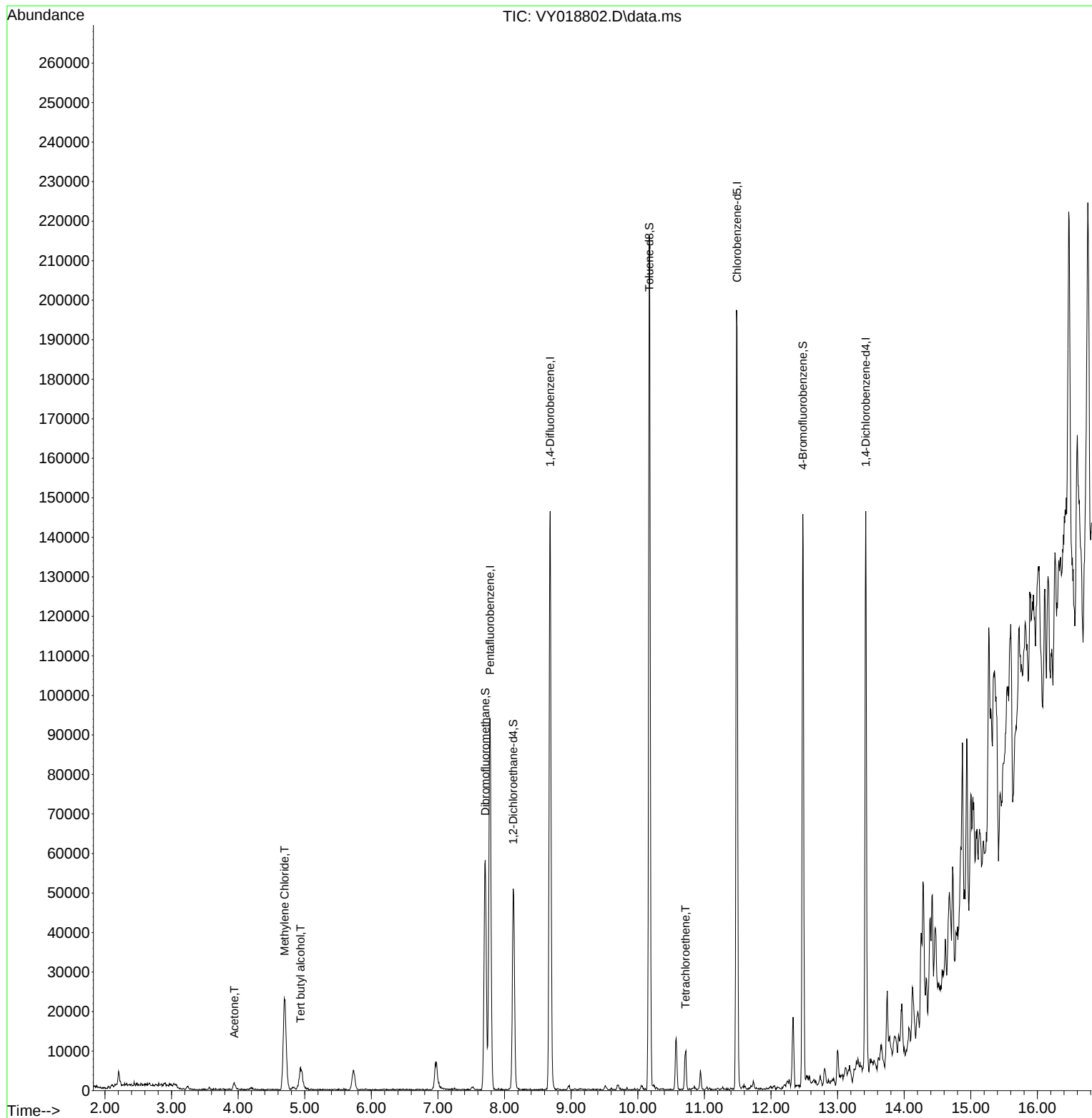
| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 7.783          | 168  | 74701               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685          | 114  | 129764              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490         | 117  | 109484              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422         | 152  | 36067               | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.130          | 65   | 40127               | 54.589  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 109.180% |         |        |          |
| 35) Dibromofluoromethane    | 7.710          | 113  | 40576               | 49.925  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 99.860%  |         |        |          |
| 50) Toluene-d8              | 10.173         | 98   | 141631              | 45.997  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 134 |      | Recovery = 92.000%  |         |        |          |
| 62) 4-Bromofluorobenzene    | 12.477         | 95   | 41755               | 39.709  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 30 - 143 |      | Recovery = 79.420%  |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         |        |          |
| 11) Tert butyl alcohol      | 4.936          | 59   | 9857                | 132.374 | ug/l # | 77       |
| 16) Acetone                 | 3.942          | 43   | 2815                | 20.772  | ug/l # | 62       |
| 20) Methylene Chloride      | 4.698          | 84   | 17998               | 20.524  | ug/l # | 86       |
| 64) Tetrachloroethene       | 10.715         | 164  | 2287                | 2.581   | ug/l # | 90       |
| -----                       |                |      |                     |         |        |          |

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

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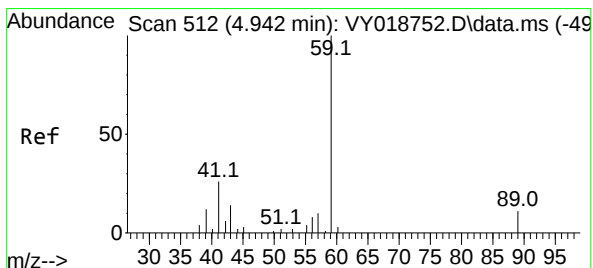
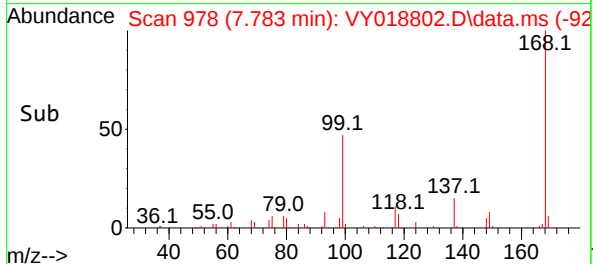
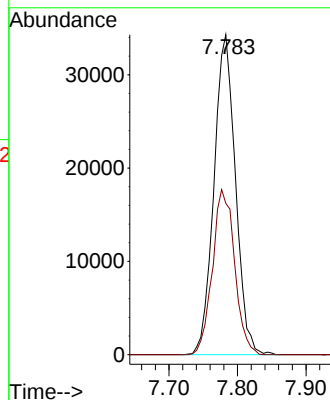
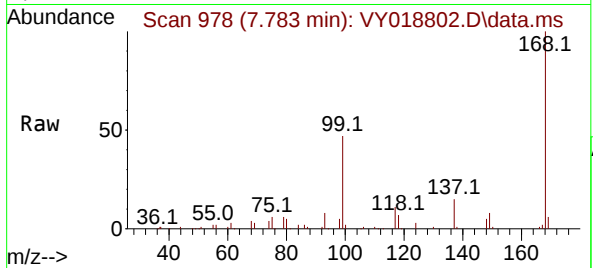




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY018802.D  
Acq: 12 Jul 2024 17:05

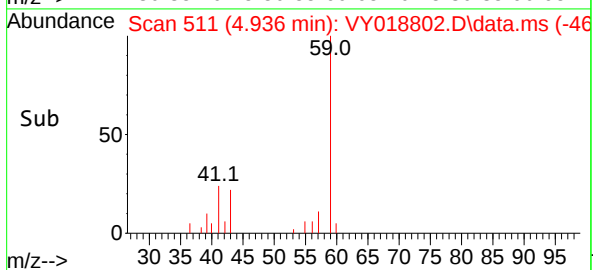
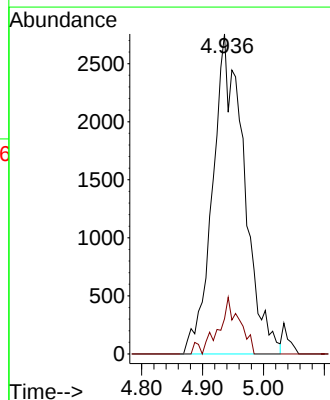
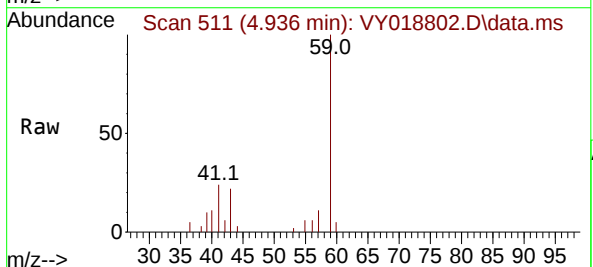
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-26899

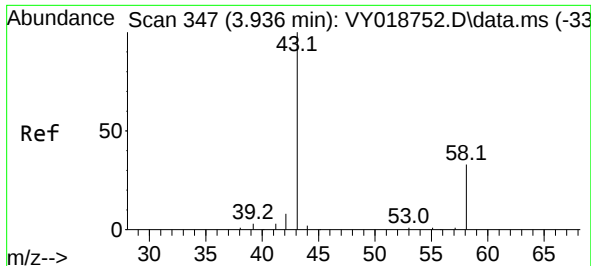
Tgt Ion:168 Resp: 74701  
Ion Ratio Lower Upper  
168 100  
99 47.3 39.1 58.7



#11  
Tert butyl alcohol  
Concen: 132.374 ug/l  
RT: 4.936 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VY018802.D  
Acq: 12 Jul 2024 17:05

Tgt Ion: 59 Resp: 9857  
Ion Ratio Lower Upper  
59 100  
57 11.4 3.0 4.6#





#16

Acetone

Concen: 20.772 ug/l

RT: 3.942 min Scan# 347

Delta R.T. 0.006 min

Lab File: VY018802.D

Acq: 12 Jul 2024 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

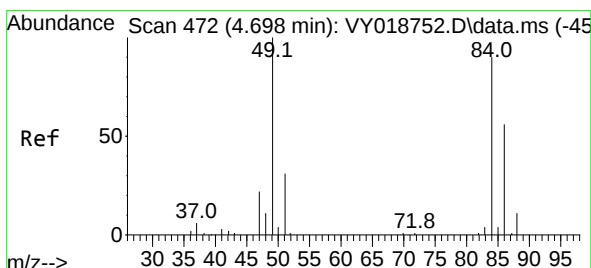
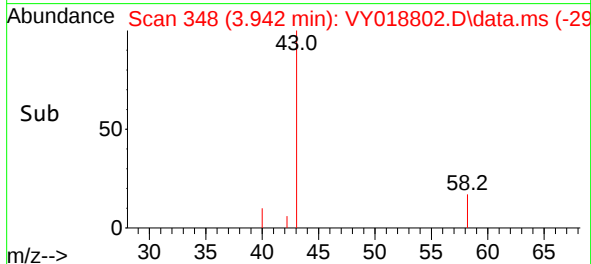
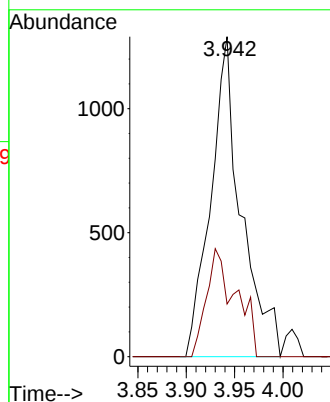
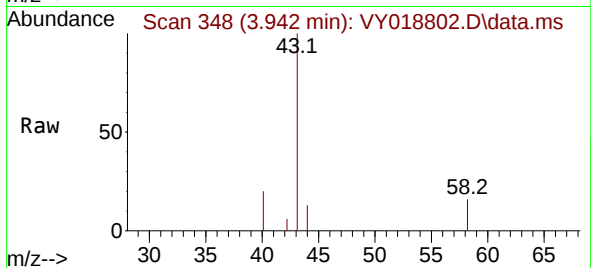
CHRT-26899

Tgt Ion: 43 Resp: 2815

Ion Ratio Lower Upper

43 100

58 16.4 31.7 47.5#



#20

Methylene Chloride

Concen: 20.524 ug/l

RT: 4.698 min Scan# 472

Delta R.T. 0.000 min

Lab File: VY018802.D

Acq: 12 Jul 2024 17:05

Tgt Ion: 84 Resp: 17998

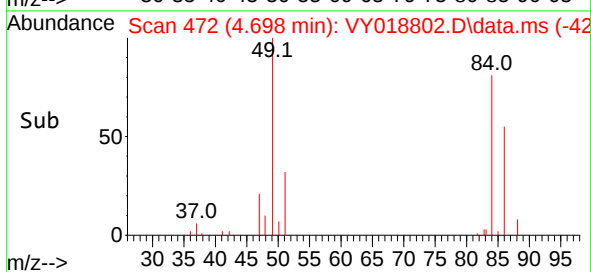
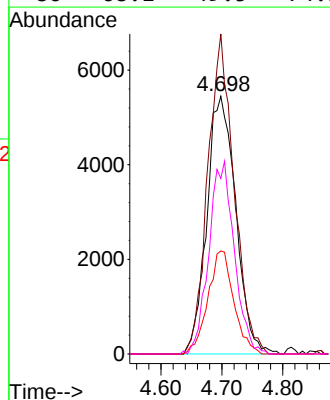
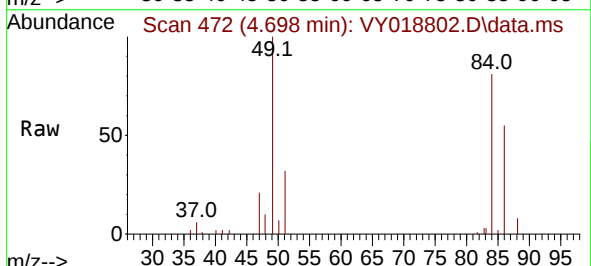
Ion Ratio Lower Upper

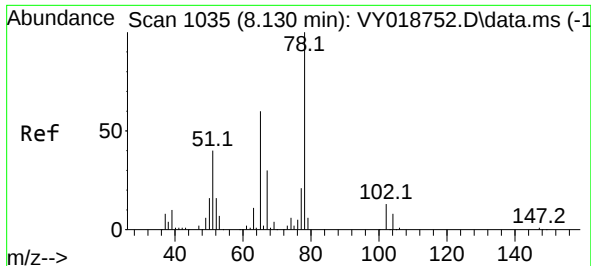
84 100

49 124.2 84.4 126.6

51 40.0 26.0 39.0#

86 68.1 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 54.589 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY018802.D

Acq: 12 Jul 2024 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

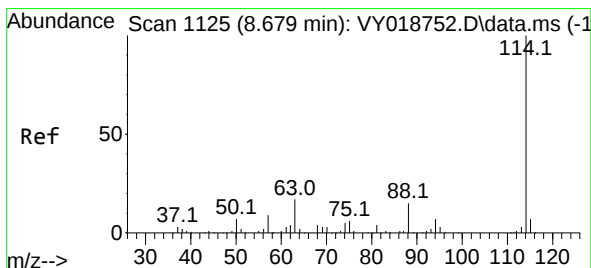
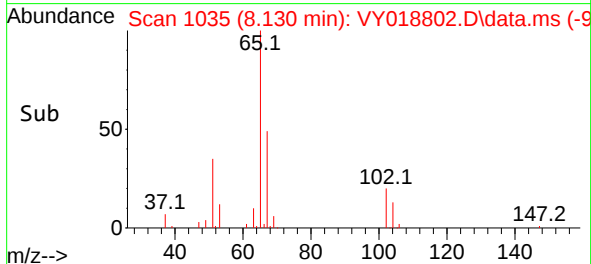
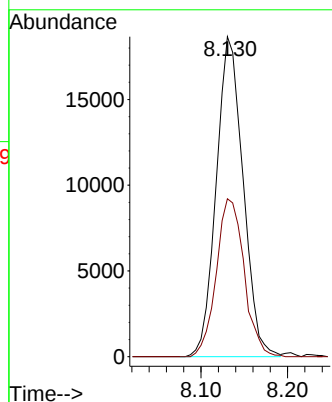
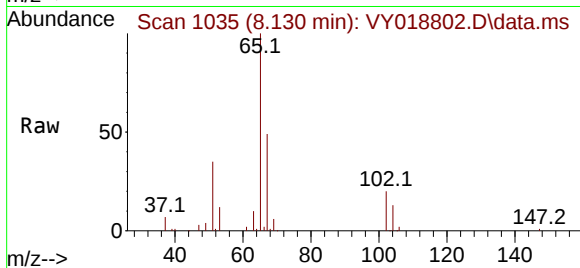
CHRT-26899

Tgt Ion: 65 Resp: 40127

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY018802.D

Acq: 12 Jul 2024 17:05

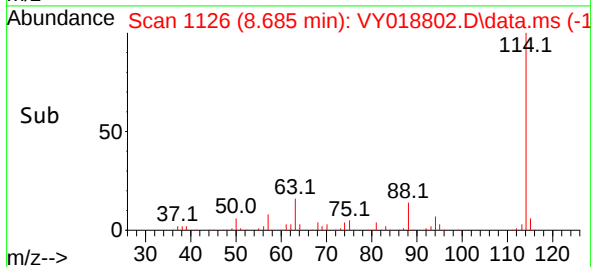
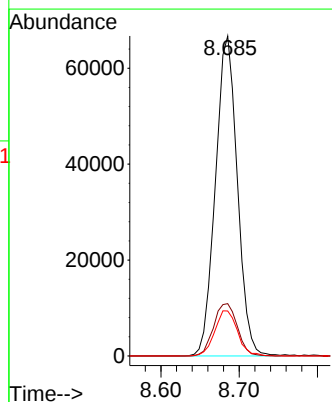
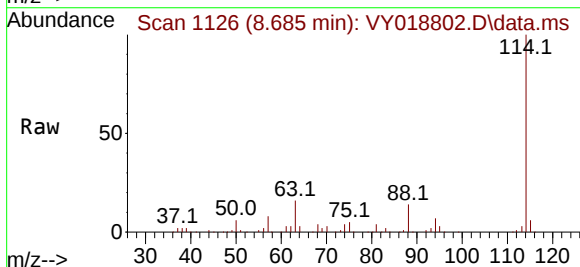
Tgt Ion: 114 Resp: 129764

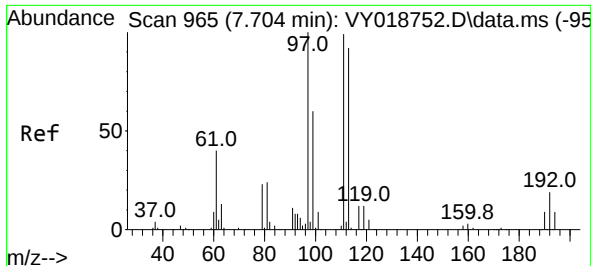
Ion Ratio Lower Upper

114 100

63 16.4 0.0 35.0

88 14.0 0.0 27.2

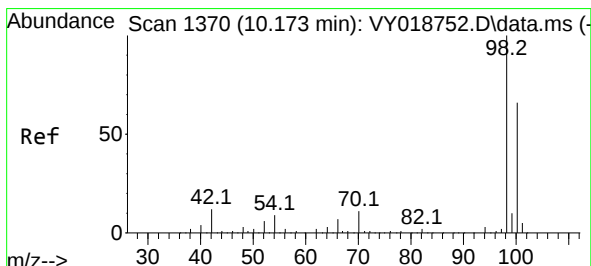
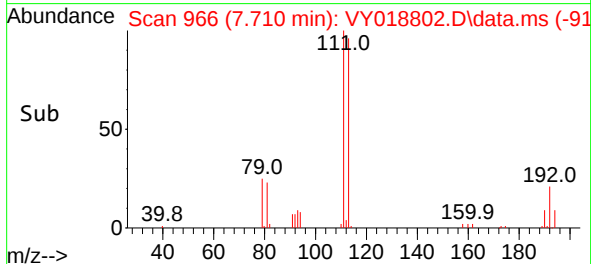
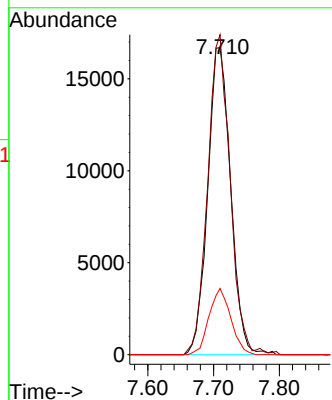
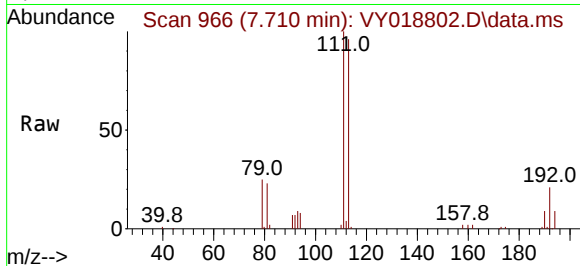




#35  
Dibromofluoromethane  
Concen: 49.925 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY018802.D  
Acq: 12 Jul 2024 17:05

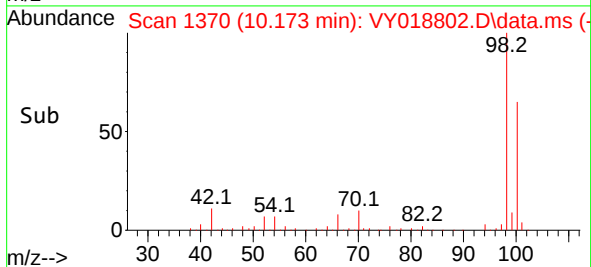
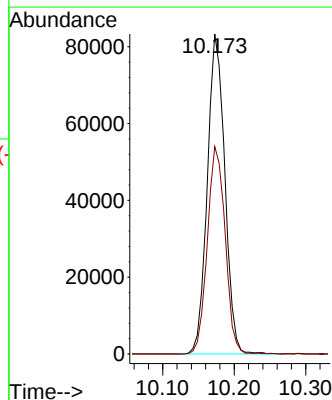
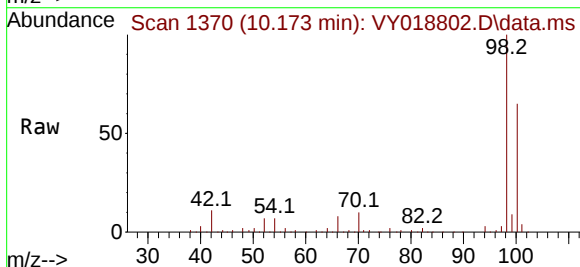
Instrument :  
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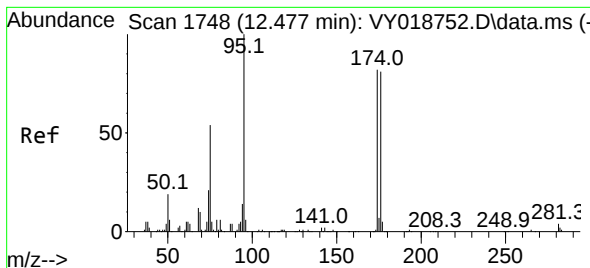
Tgt Ion:113 Resp: 40576  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.2 123.4  
192 20.5 15.9 23.9



#50  
Toluene-d8  
Concen: 45.997 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. 0.000 min  
Lab File: VY018802.D  
Acq: 12 Jul 2024 17:05

Tgt Ion: 98 Resp: 141631  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.0 78.0

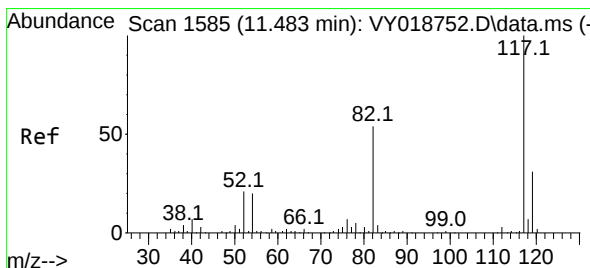
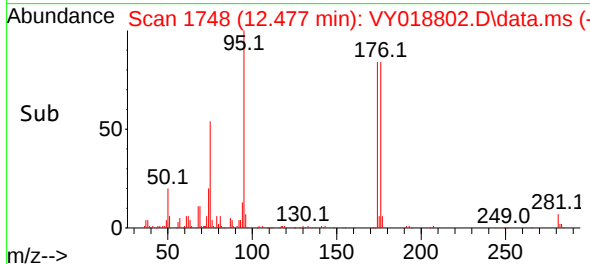
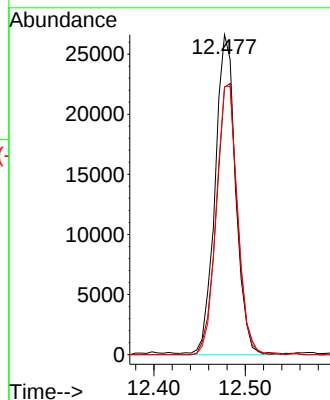
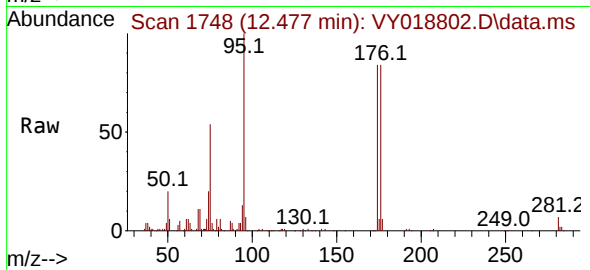




#62  
4-Bromofluorobenzene  
Concen: 39.709 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018802.D  
Acq: 12 Jul 2024 17:05

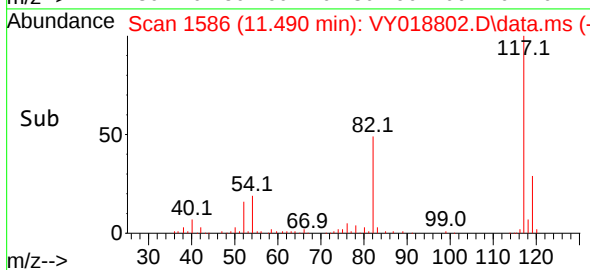
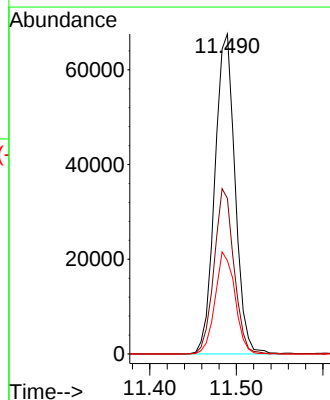
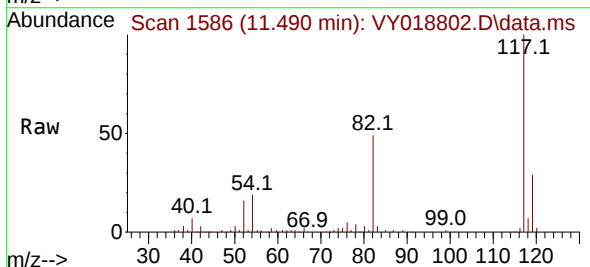
Instrument :  
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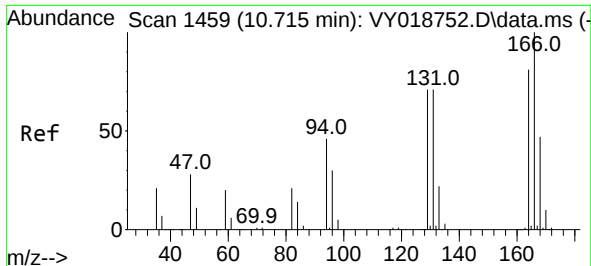
Tgt Ion: 95 Resp: 41755  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 175.6  
176 86.2 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.006 min  
Lab File: VY018802.D  
Acq: 12 Jul 2024 17:05

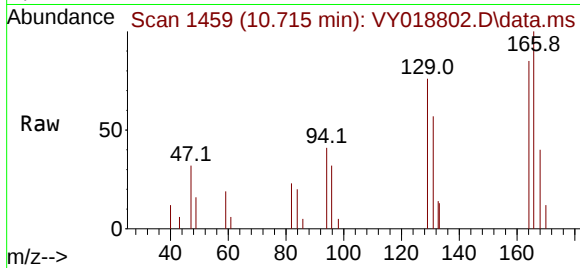
Tgt Ion: 117 Resp: 109484  
Ion Ratio Lower Upper  
117 100  
82 48.6 42.4 63.6  
119 29.1 25.9 38.9



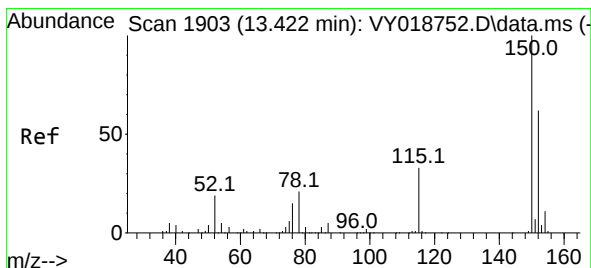
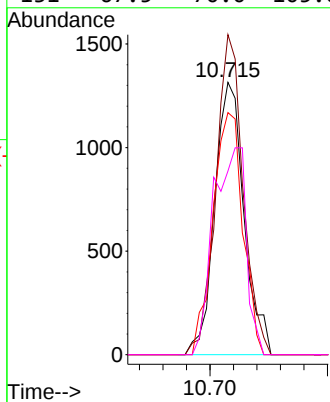
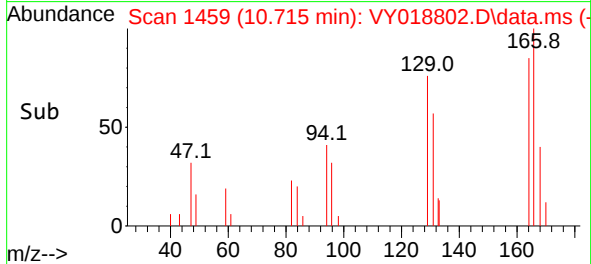


#64  
Tetrachloroethene  
Concen: 2.581 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VY018802.D  
Acq: 12 Jul 2024 17:05

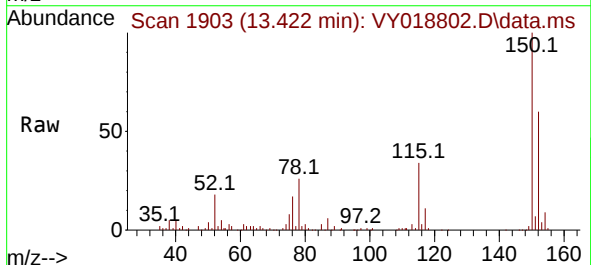
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MSVOA\_Y  
ClientSampleId :  
CHRT-26899



Tgt Ion:164 Resp: 2287  
Ion Ratio Lower Upper  
164 100  
166 117.5 102.6 154.0  
129 88.9 72.0 108.0  
131 67.5 70.0 105.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY018802.D  
Acq: 12 Jul 2024 17:05



Tgt Ion:152 Resp: 36067  
Ion Ratio Lower Upper  
152 100  
115 57.4 28.2 84.7  
150 159.8 0.0 345.6

