

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052925\  
 Data File : VY022466.D  
 Acq On : 29 May 2025 14:46  
 Operator : SY/MD  
 Sample : Q2150-07  
 Misc : 7.53g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-51

Quant Time: May 30 05:35:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 28 10:34:06 2025  
 Response via : Initial Calibration

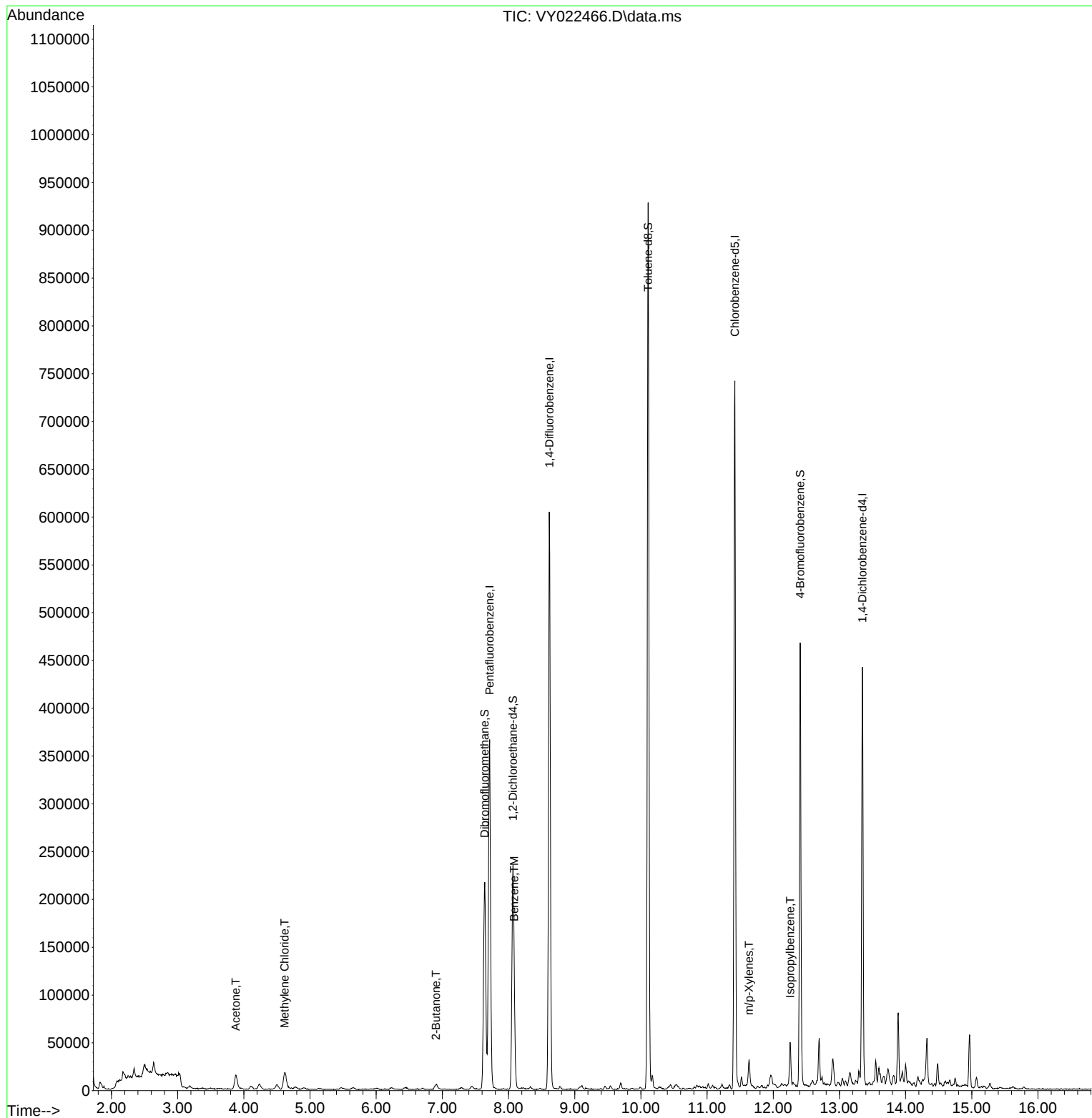
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 266889   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 485834   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 362765   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 99703    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 155794   | 55.420   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 110.840% |          |
| 35) Dibromofluoromethane    | 7.640  | 113   | 149024   | 52.377   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 104.760% |          |
| 50) Toluene-d8              | 10.109 | 98    | 575624   | 49.629   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 99.260%  |          |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 122932   | 35.039   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 70.080%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 3.879  | 43    | 27941    | 60.486   | ug/l       | 92       |
| 20) Methylene Chloride      | 4.616  | 84    | 12702    | 3.894    | ug/l       | 95       |
| 25) 2-Butanone              | 6.902  | 43    | 8812     | 11.454   | ug/l #     | 85       |
| 40) Benzene                 | 8.085  | 78    | 47372    | 3.526    | ug/l       | 93       |
| 68) m/p-Xylenes             | 11.633 | 106   | 8212     | 1.508    | ug/l       | 98       |
| 73) Isopropylbenzene        | 12.255 | 105   | 28214    | 3.596    | ug/l       | 99       |
| -----                       |        |       |          |          |            |          |

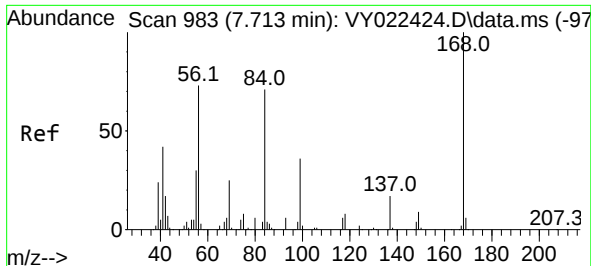
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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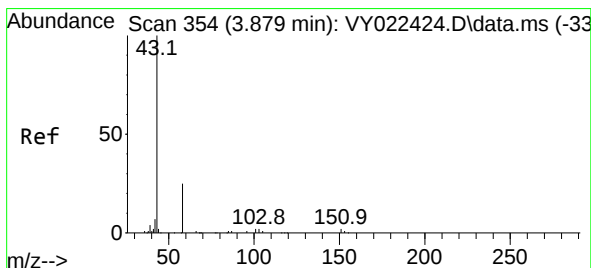
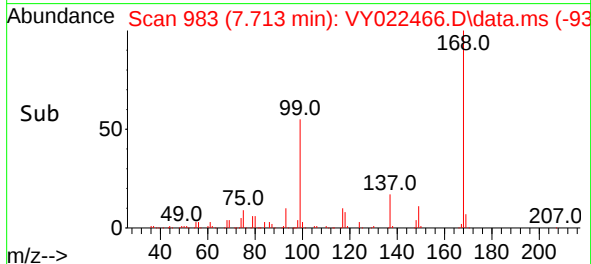
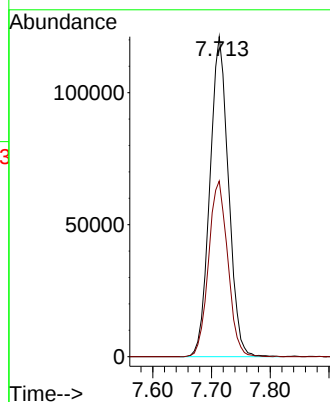
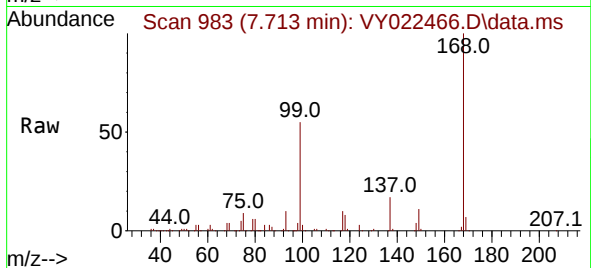




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022466.D  
Acq: 29 May 2025 14:46

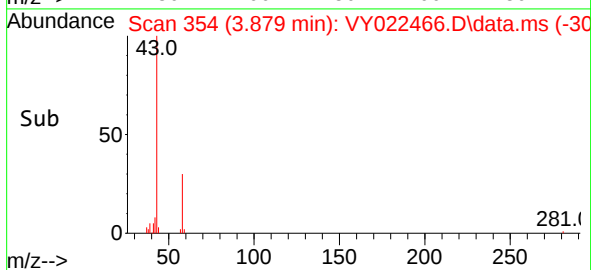
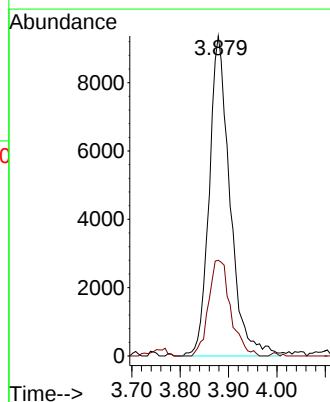
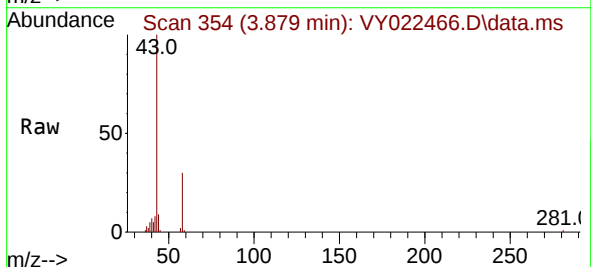
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-51

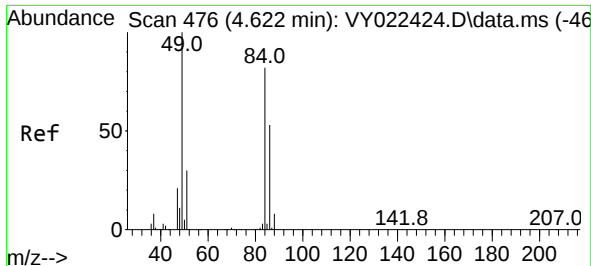
Tgt Ion:168 Resp: 266889  
Ion Ratio Lower Upper  
168 100  
99 54.9 44.7 67.1



#16  
Acetone  
Concen: 60.486 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. 0.000 min  
Lab File: VY022466.D  
Acq: 29 May 2025 14:46

Tgt Ion: 43 Resp: 27941  
Ion Ratio Lower Upper  
43 100  
58 29.9 20.6 30.8





#20

Methylene Chloride

Concen: 3.894 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA\_Y

ClientSampleId :

TP-51

Tgt Ion: 84 Resp: 12702

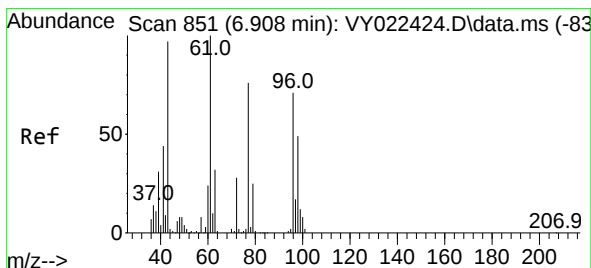
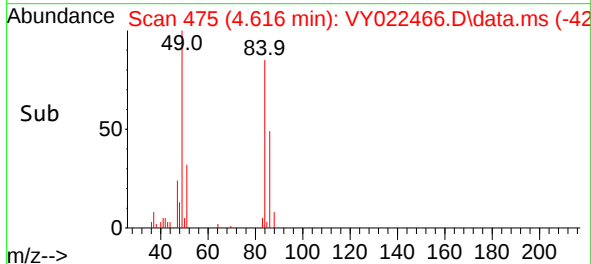
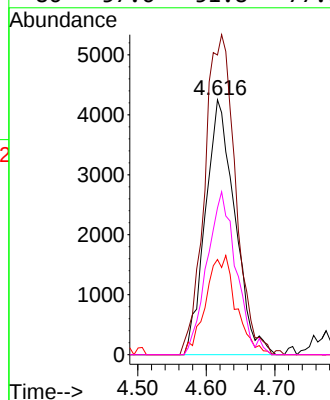
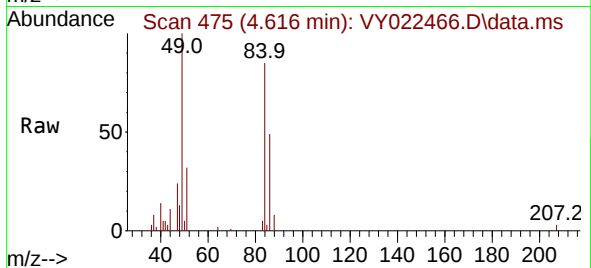
Ion Ratio Lower Upper

84 100

49 117.6 97.8 146.8

51 37.4 29.5 44.3

86 57.6 51.8 77.6



#25

2-Butanone

Concen: 11.454 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.006 min

Lab File: VY022466.D

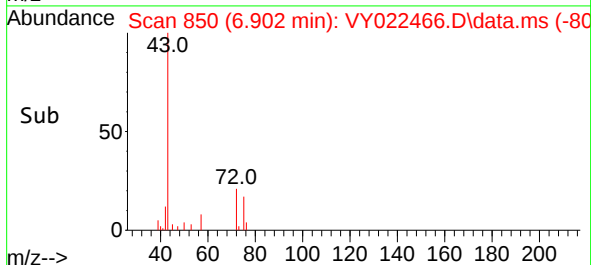
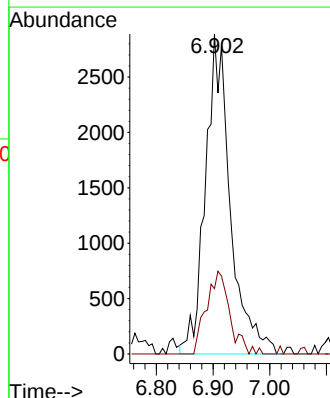
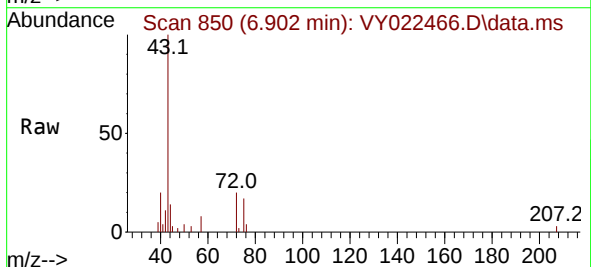
Acq: 29 May 2025 14:46

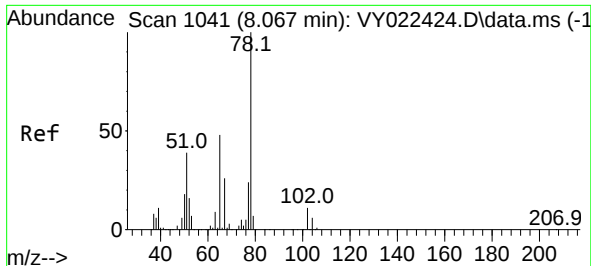
Tgt Ion: 43 Resp: 8812

Ion Ratio Lower Upper

43 100

72 20.4 22.8 34.2#





#33

1,2-Dichloroethane-d4

Concen: 55.420 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA\_Y

ClientSampleId :

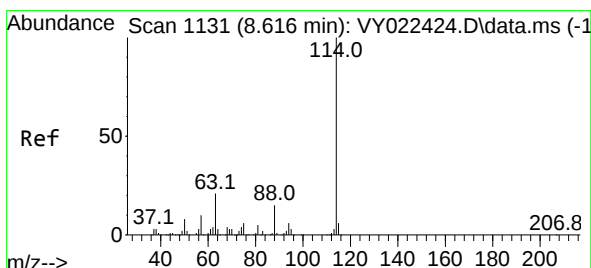
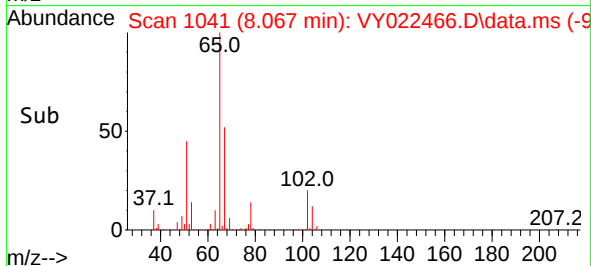
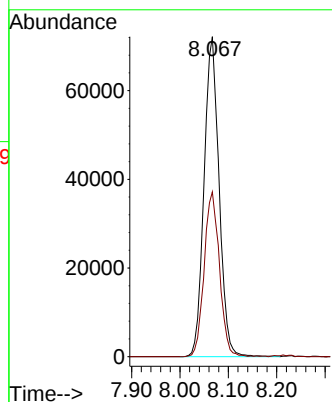
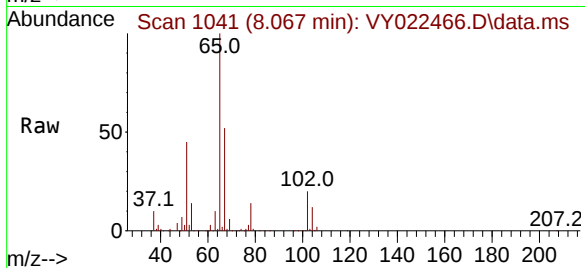
TP-51

Tgt Ion: 65 Resp: 155794

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

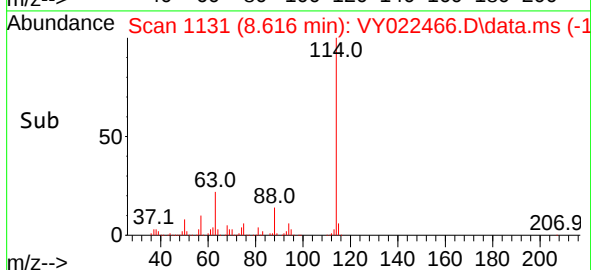
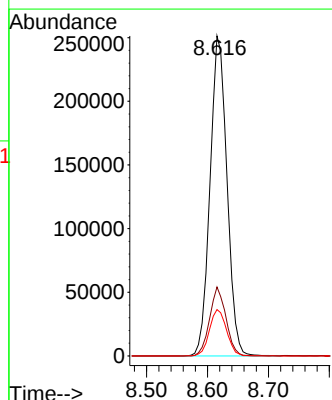
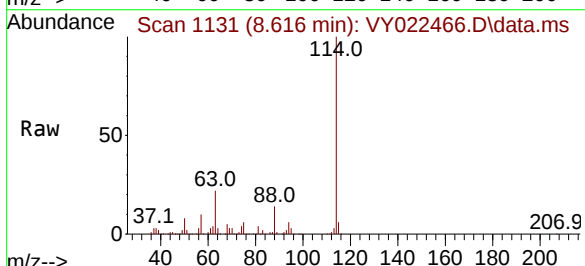
Tgt Ion: 114 Resp: 485834

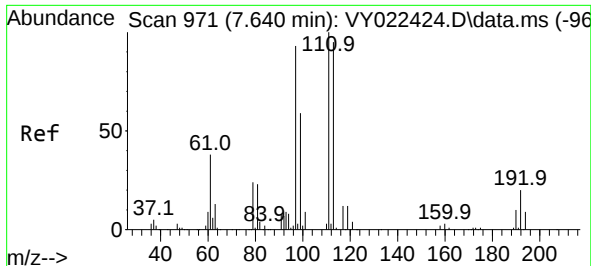
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 14.5 0.0 29.4

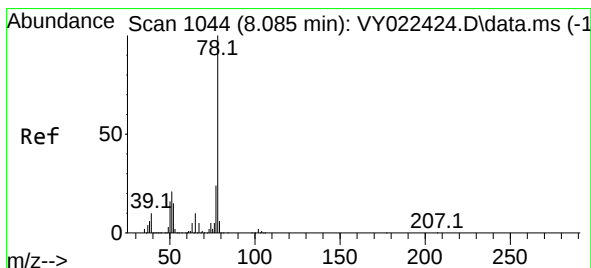
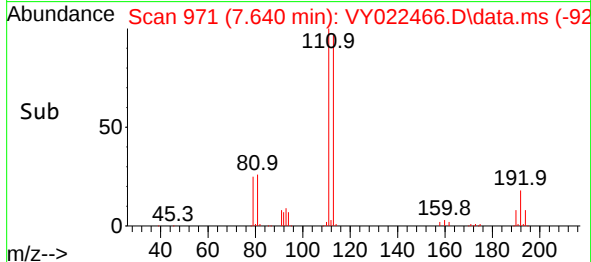
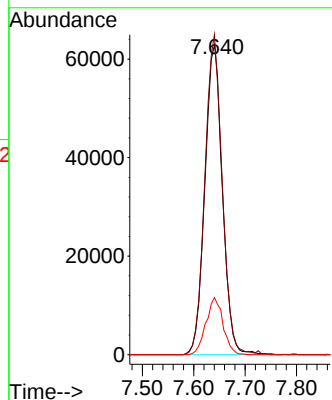
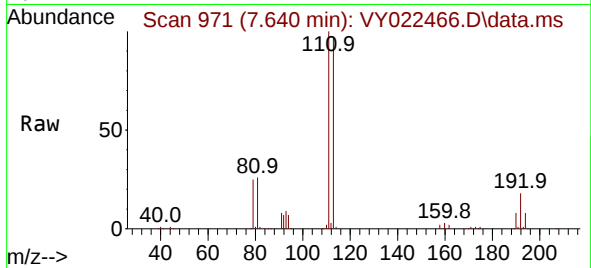




#35  
Dibromofluoromethane  
Concen: 52.377 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022466.D  
Acq: 29 May 2025 14:46

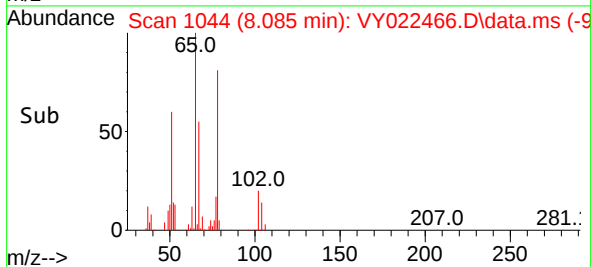
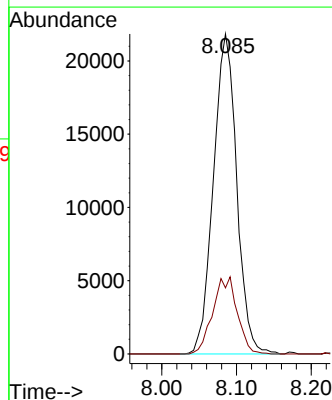
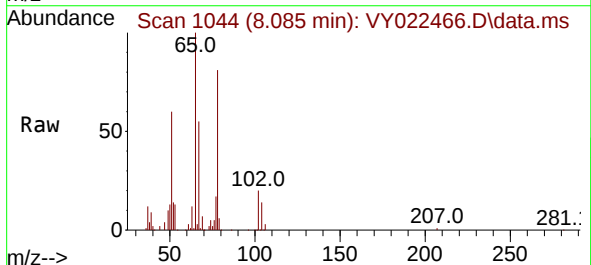
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-51

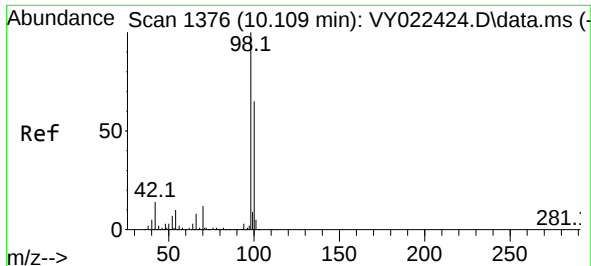
Tgt Ion:113 Resp: 149024  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.4 123.6  
192 18.0 15.2 22.8



#40  
Benzene  
Concen: 3.526 ug/l  
RT: 8.085 min Scan# 1044  
Delta R.T. 0.000 min  
Lab File: VY022466.D  
Acq: 29 May 2025 14:46

Tgt Ion: 78 Resp: 47372  
Ion Ratio Lower Upper  
78 100  
77 20.7 19.4 29.2

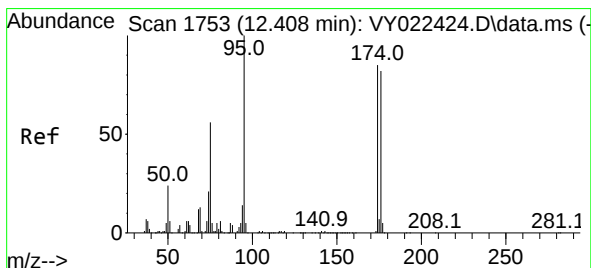
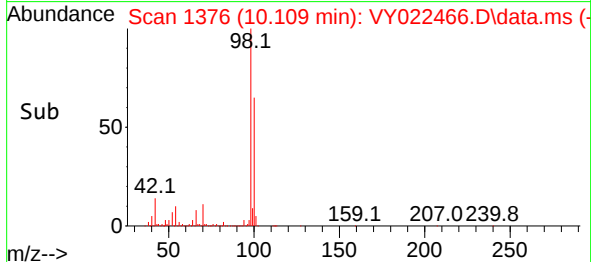
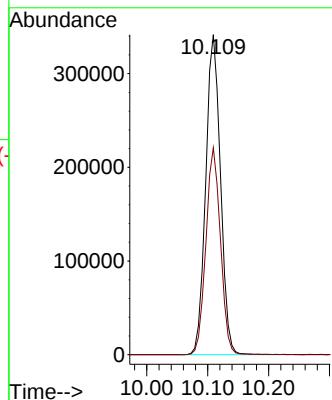
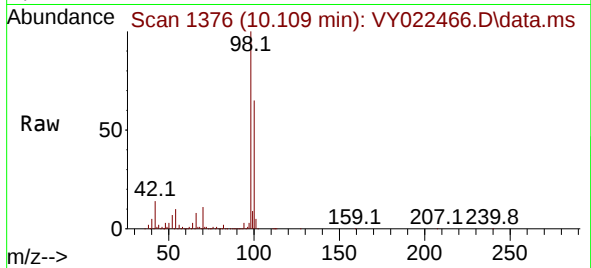




#50  
Toluene-d8  
Concen: 49.629 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY022466.D  
Acq: 29 May 2025 14:46

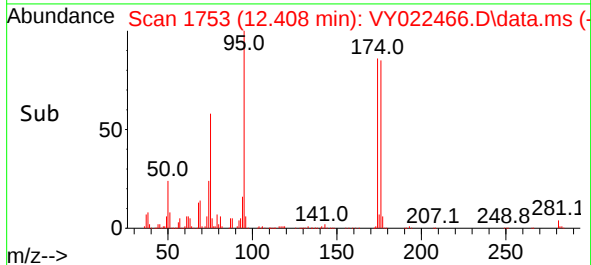
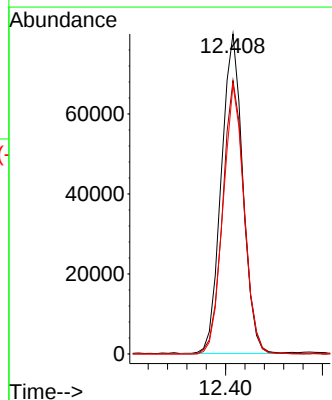
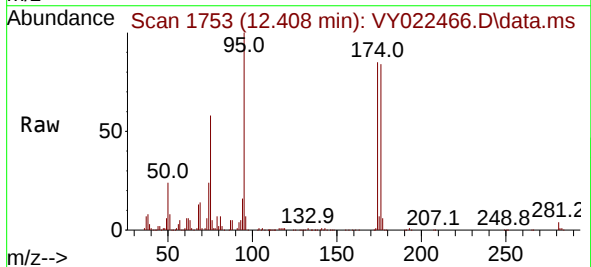
Instrument :  
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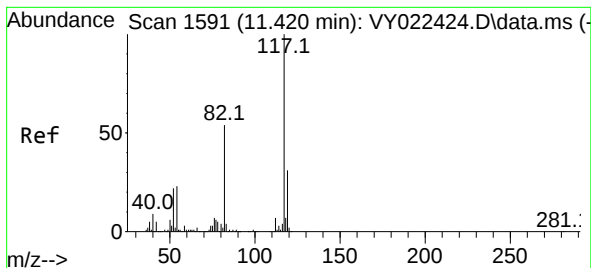
Tgt Ion: 98 Resp: 575624  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 35.039 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY022466.D  
Acq: 29 May 2025 14:46

Tgt Ion: 95 Resp: 122932  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 171.6  
176 82.6 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA\_Y

ClientSampleId :

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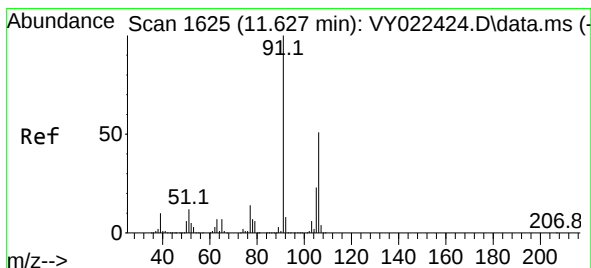
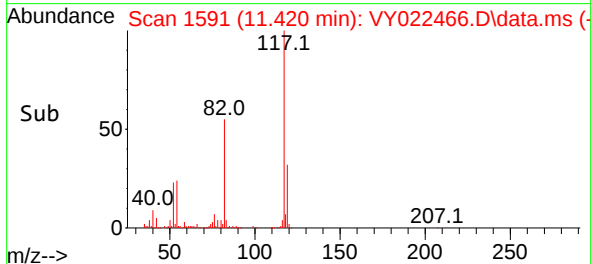
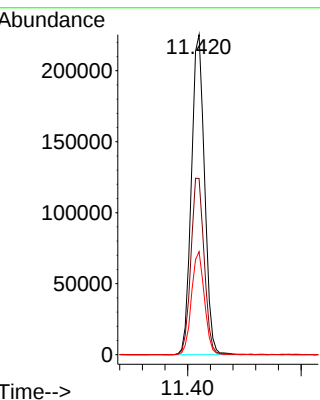
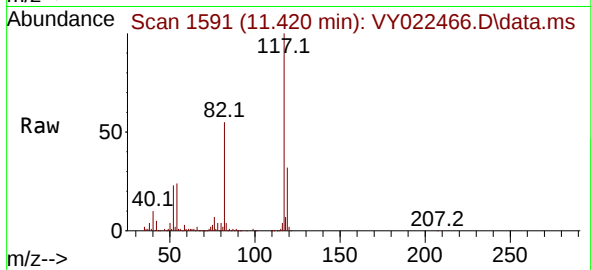
Tgt Ion:117 Resp: 362765

Ion Ratio Lower Upper

117 100

82 55.0 43.3 64.9

119 32.2 24.5 36.7



#68

m/p-Xylenes

Concen: 1.508 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY022466.D

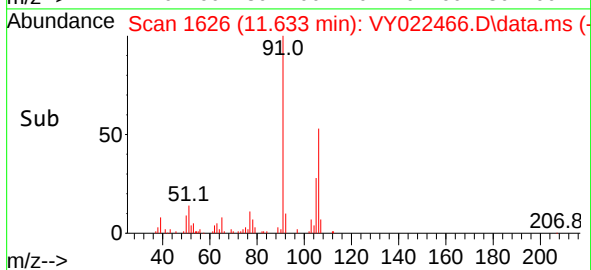
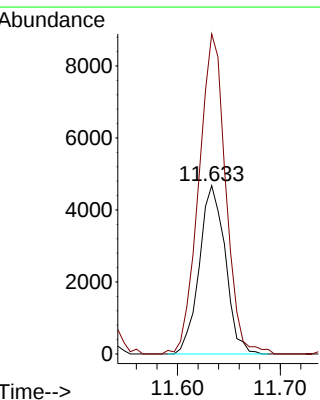
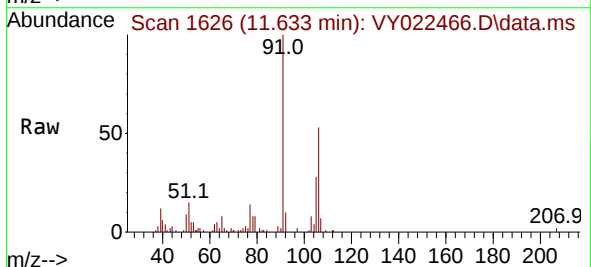
Acq: 29 May 2025 14:46

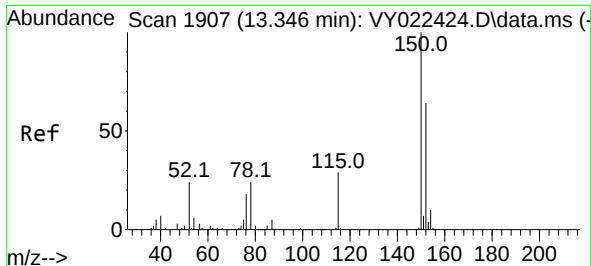
Tgt Ion:106 Resp: 8212

Ion Ratio Lower Upper

106 100

91 196.8 159.8 239.8

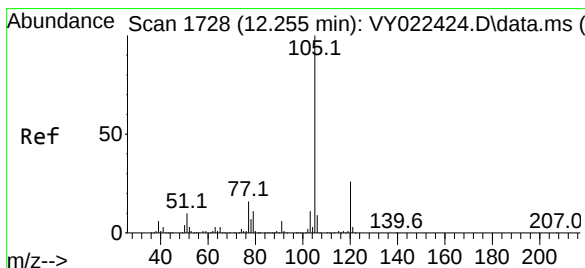
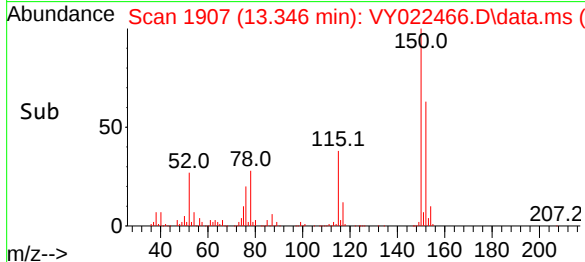
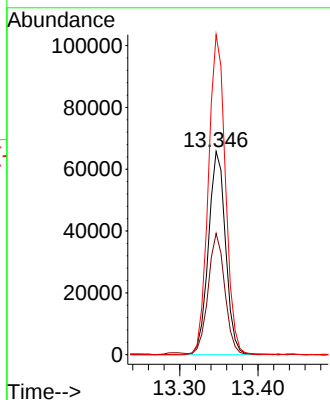
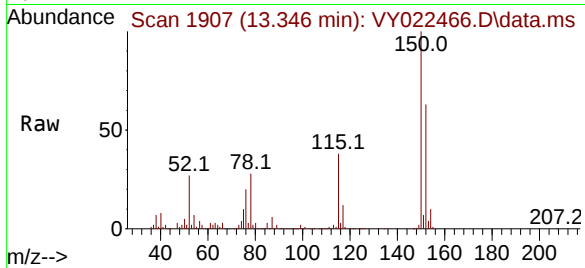




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY022466.D  
Acq: 29 May 2025 14:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion:152 Resp: 99703  
Ion Ratio Lower Upper  
152 100  
115 58.4 28.4 85.3  
150 156.5 0.0 345.8



#73  
Isopropylbenzene  
Concen: 3.596 ug/l  
RT: 12.255 min Scan# 1728  
Delta R.T. 0.000 min  
Lab File: VY022466.D  
Acq: 29 May 2025 14:46

Tgt Ion:105 Resp: 28214  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.2 39.5

