

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122623\  
 Data File : VX039478.D  
 Acq On : 26 Dec 2023 19:15  
 Operator : JC/MD  
 Sample : PB158014ZHE#04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB158014ZHE#04

Quant Time: Dec 27 04:43:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

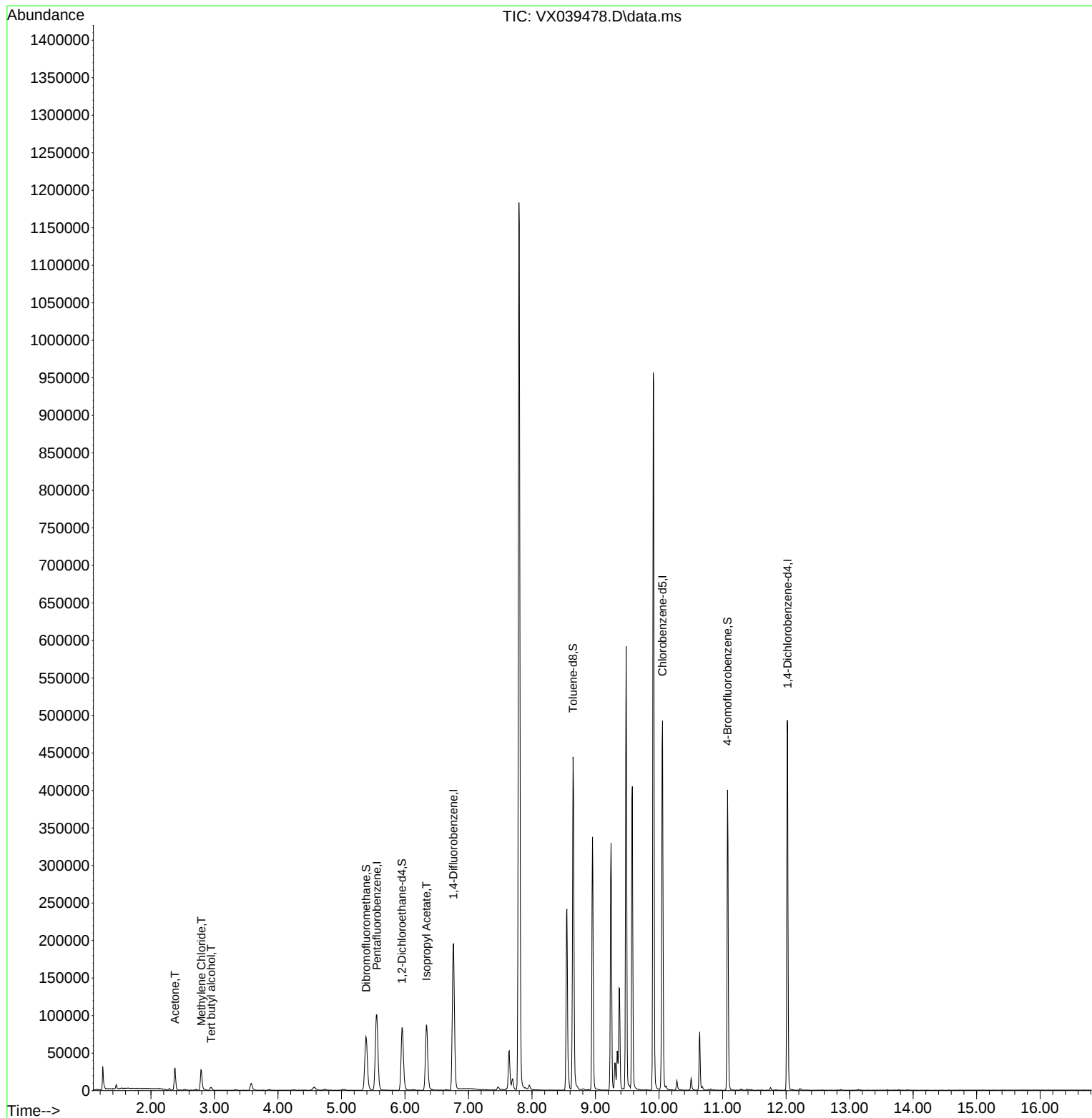
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 88167               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 191219              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 203258              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 95152               | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 80969               | 50.131 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = 100.260% |        |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 62510               | 47.319 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 94.640%  |        |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 252240              | 51.432 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = 102.860% |        |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 107776              | 53.261 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 106.520% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
| 11) Tert butyl alcohol      | 2.947          | 59   | 2914                | 7.185  | ug/l # | 86       |
| 16) Acetone                 | 2.380          | 43   | 31540               | 11.307 | ug/l   | 94       |
| 20) Methylene Chloride      | 2.794          | 84   | 12508               | 9.290  | ug/l   | 96       |
| 43) Isopropyl Acetate       | 6.336          | 43   | 123136              | 29.402 | ug/l   | 99       |
| -----                       |                |      |                     |        |        |          |

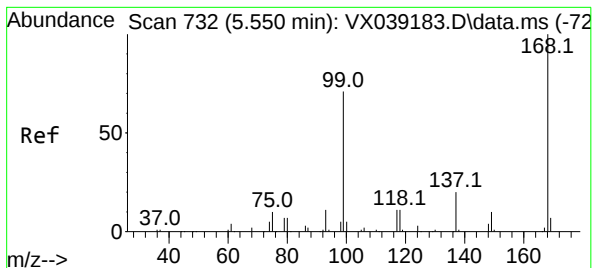
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX039478.D

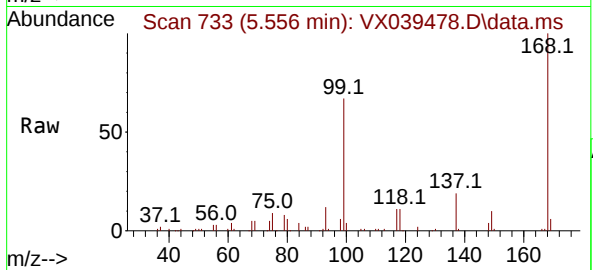
Acq: 26 Dec 2023 19:15

Instrument :

MSVOA\_X

ClientSampleId :

PB158014ZHE#04

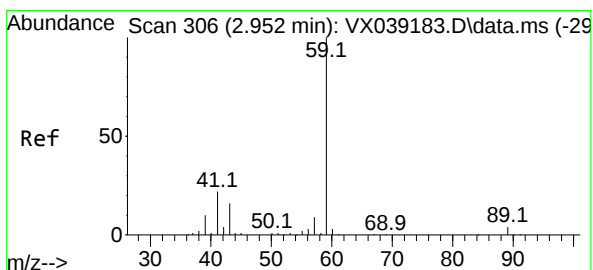
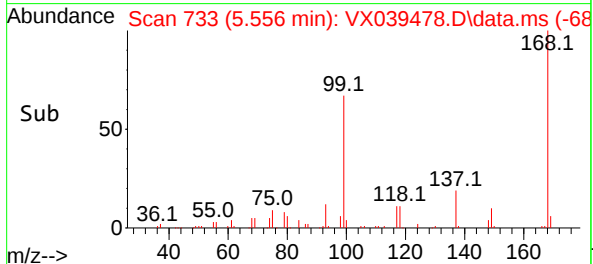
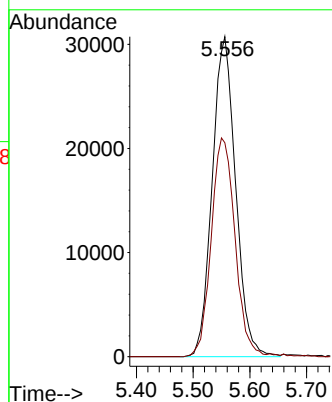


Tgt Ion:168 Resp: 88167

Ion Ratio Lower Upper

168 100

99 66.8 56.6 85.0



#11

Tert butyl alcohol

Concen: 7.185 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.006 min

Lab File: VX039478.D

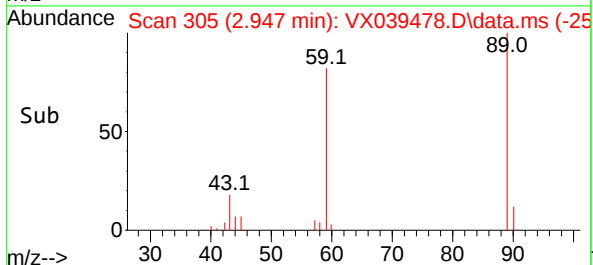
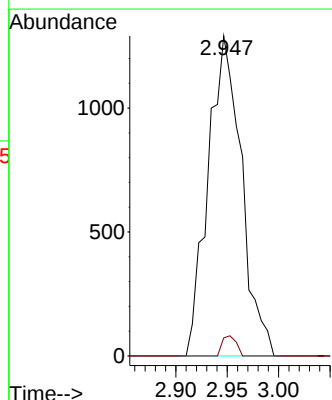
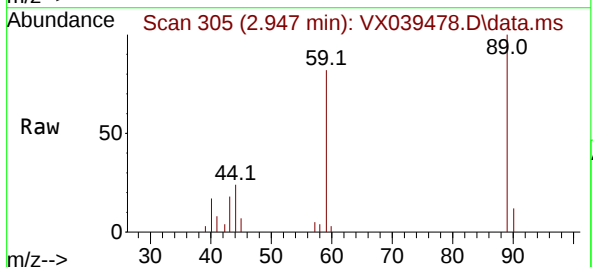
Acq: 26 Dec 2023 19:15

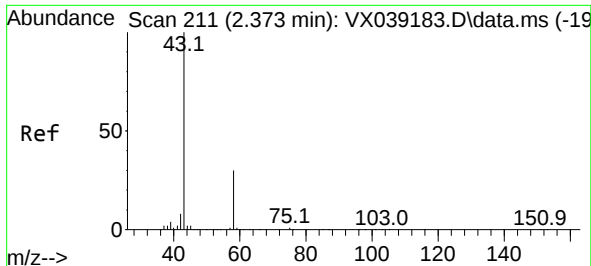
Tgt Ion: 59 Resp: 2914

Ion Ratio Lower Upper

59 100

57 2.6 6.0 9.0#

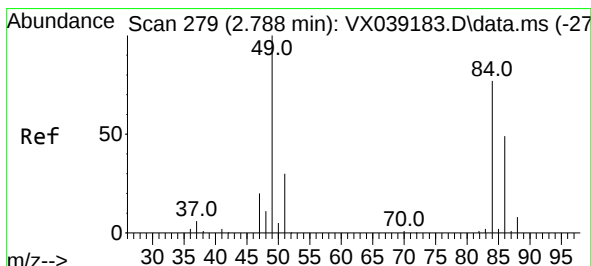
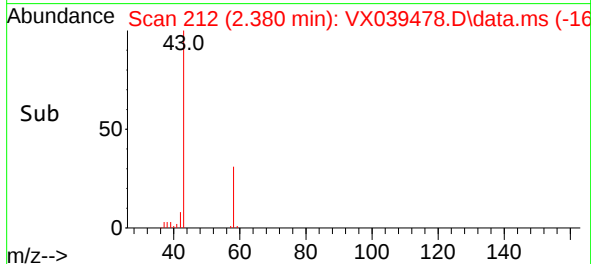
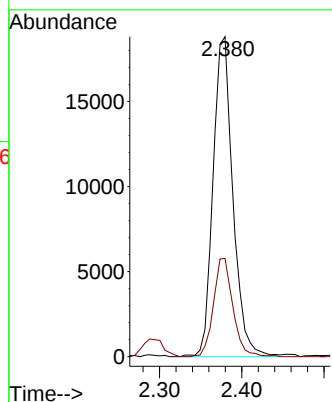
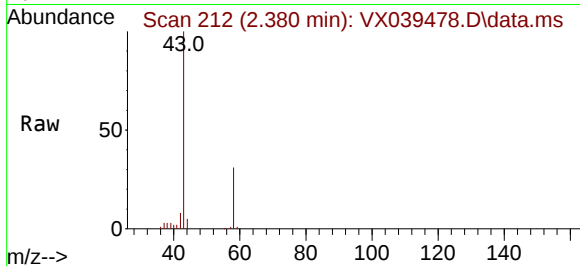




#16  
Acetone  
Concen: 11.307 ug/l  
RT: 2.380 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VX039478.D  
Acq: 26 Dec 2023 19:15

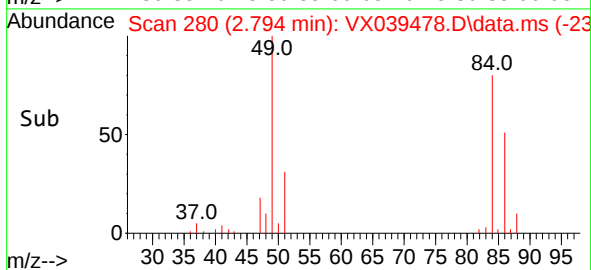
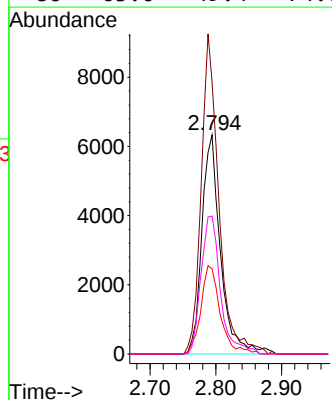
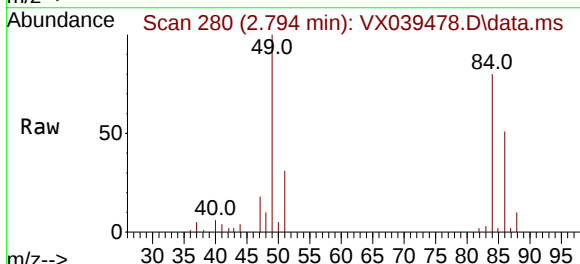
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB158014ZHE#04

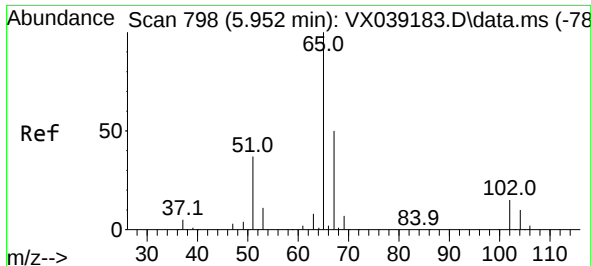
Tgt Ion: 43 Resp: 31540  
Ion Ratio Lower Upper  
43 100  
58 30.7 21.9 32.9



#20  
Methylene Chloride  
Concen: 9.290 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX039478.D  
Acq: 26 Dec 2023 19:15

Tgt Ion: 84 Resp: 12508  
Ion Ratio Lower Upper  
84 100  
49 124.5 103.6 155.4  
51 38.9 33.8 50.6  
86 63.0 49.4 74.0





#33

1,2-Dichloroethane-d4

Concen: 50.131 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

Instrument :

MSVOA\_X

ClientSampleId :

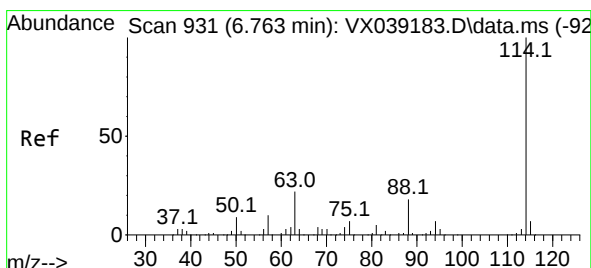
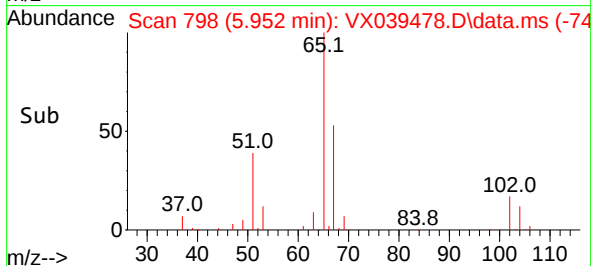
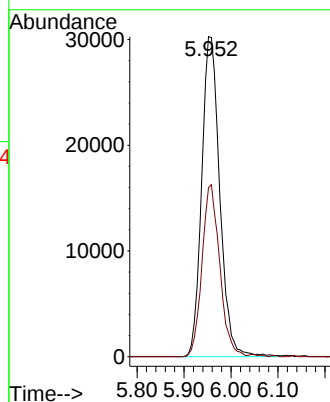
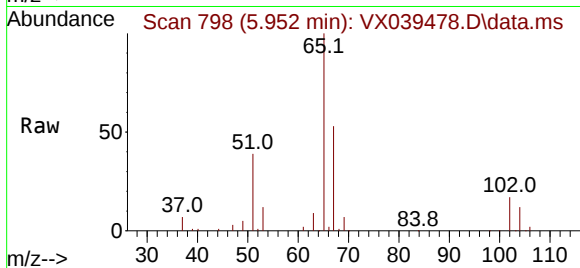
PB158014ZHE#04

Tgt Ion: 65 Resp: 80969

Ion Ratio Lower Upper

65 100

67 52.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

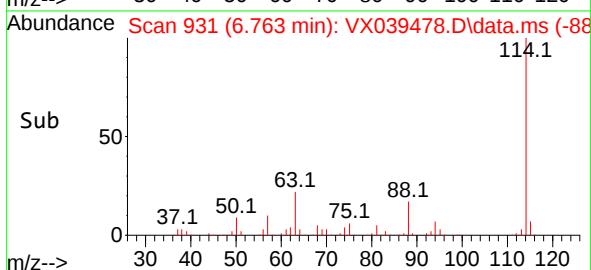
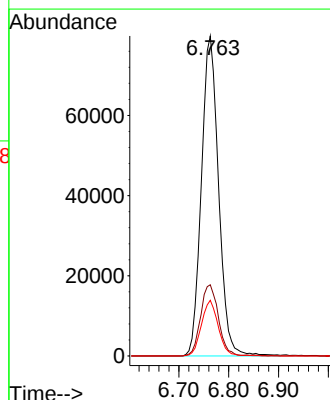
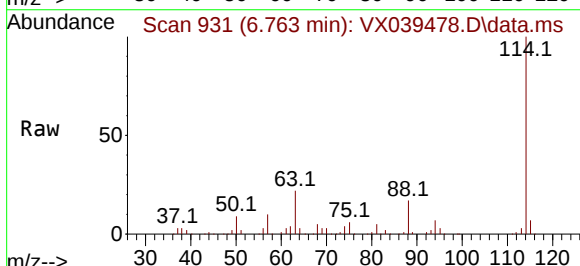
Tgt Ion: 114 Resp: 191219

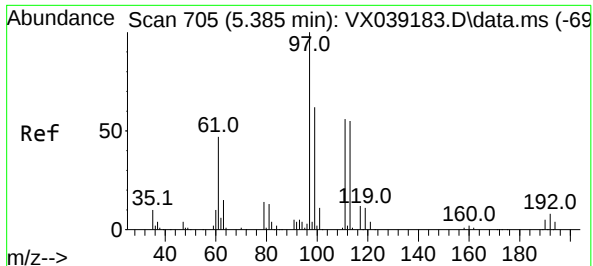
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

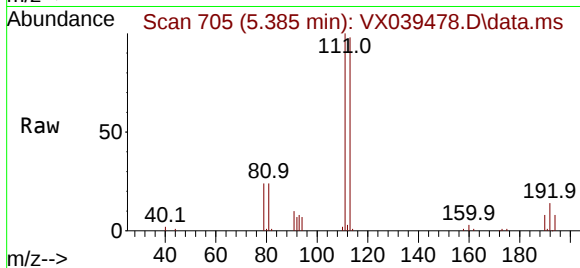
88 17.4 0.0 36.6



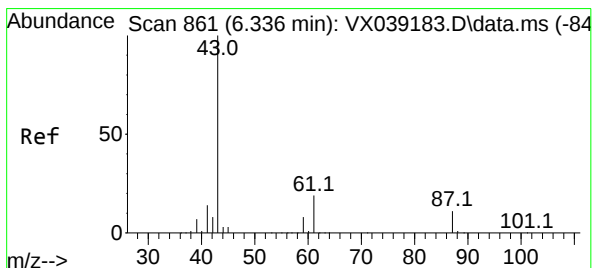
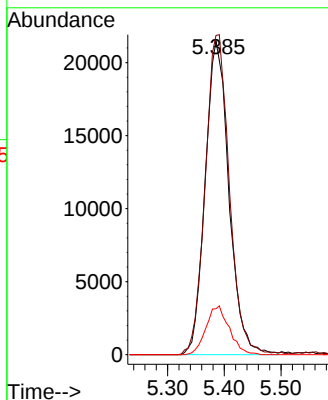
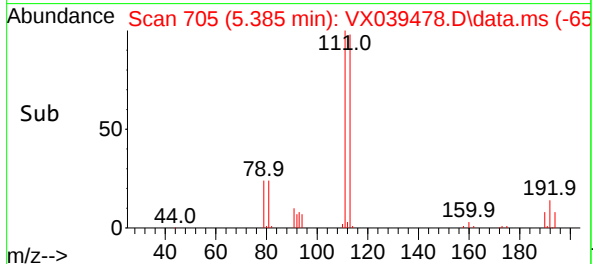


#35  
Dibromofluoromethane  
Concen: 47.319 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX039478.D  
Acq: 26 Dec 2023 19:15

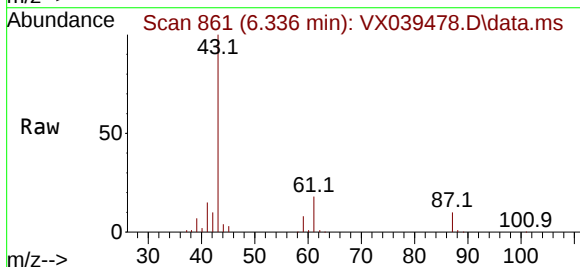
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB158014ZHE#04



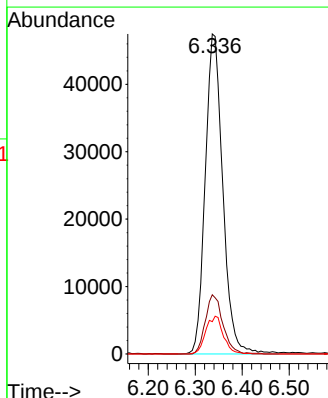
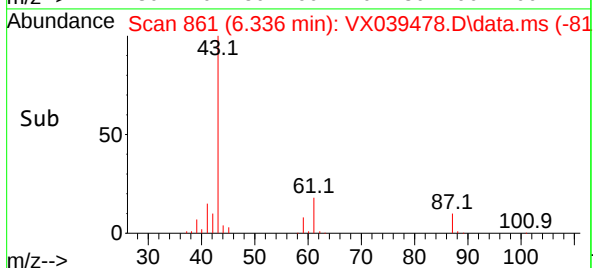
Tgt Ion:113 Resp: 62510  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.9 124.3  
192 15.2 13.3 19.9

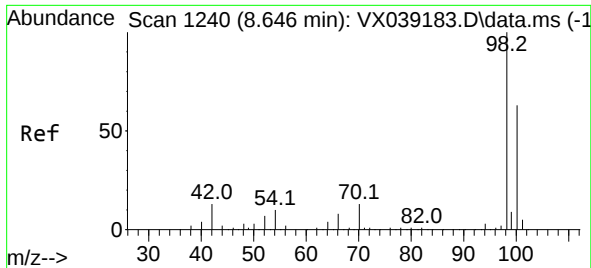


#43  
Isopropyl Acetate  
Concen: 29.402 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. 0.000 min  
Lab File: VX039478.D  
Acq: 26 Dec 2023 19:15



Tgt Ion: 43 Resp: 123136  
Ion Ratio Lower Upper  
43 100  
61 18.5 15.2 22.8  
87 11.8 9.8 14.6

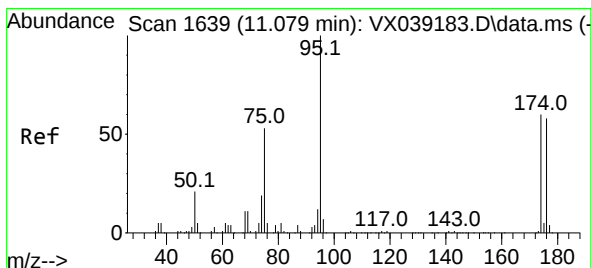
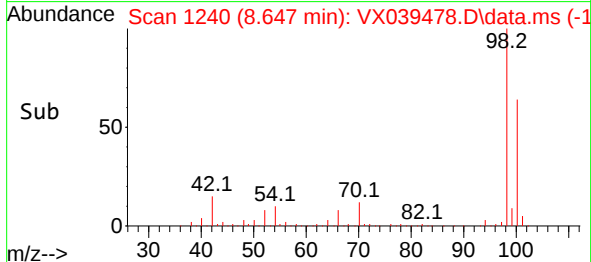
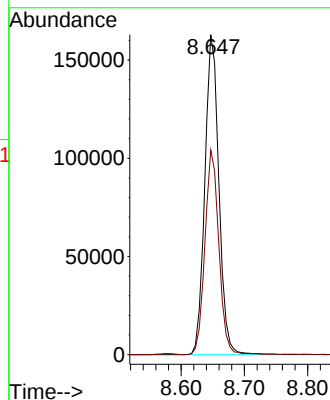
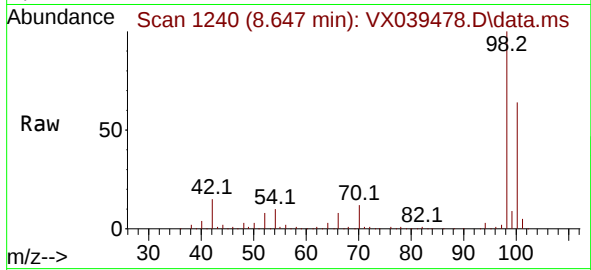




#50  
Toluene-d8  
Concen: 51.432 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX039478.D  
Acq: 26 Dec 2023 19:15

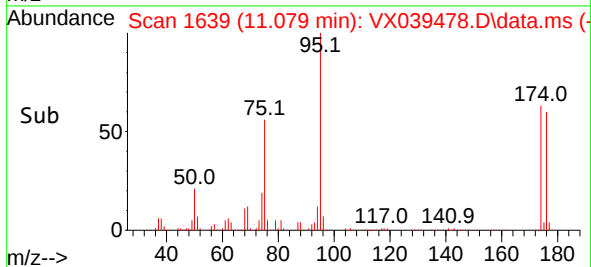
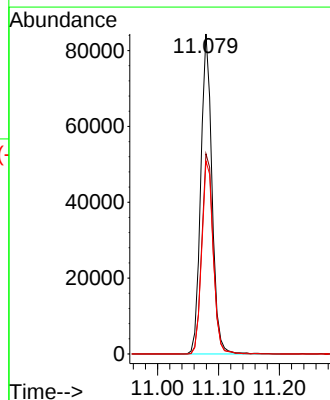
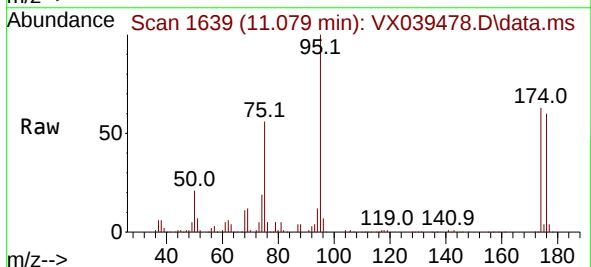
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB158014ZHE#04

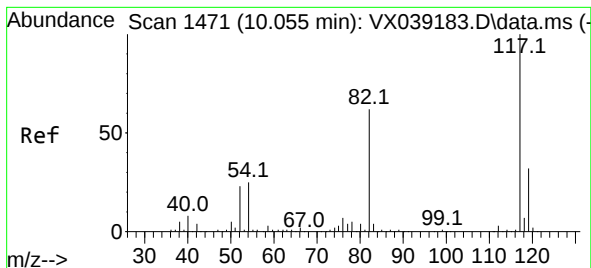
Tgt Ion: 98 Resp: 252240  
Ion Ratio Lower Upper  
98 100  
100 63.5 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 53.261 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX039478.D  
Acq: 26 Dec 2023 19:15

Tgt Ion: 95 Resp: 107776  
Ion Ratio Lower Upper  
95 100  
174 63.9 0.0 135.6  
176 61.7 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

Instrument :

MSVOA\_X

ClientSampleId :

PB158014ZHE#04

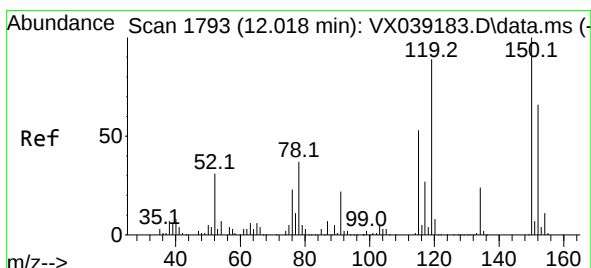
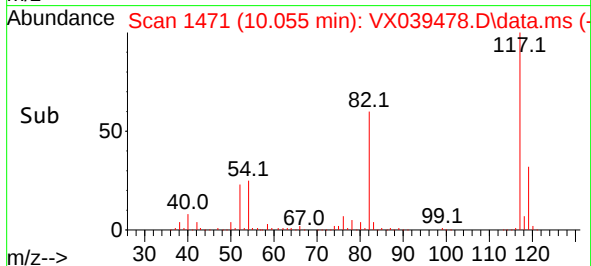
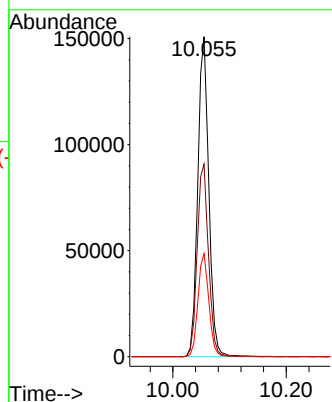
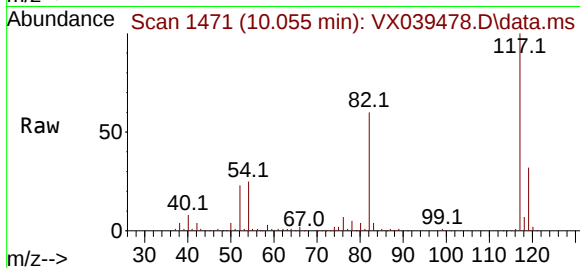
Tgt Ion:117 Resp: 203258

Ion Ratio Lower Upper

117 100

82 60.2 46.2 69.4

119 32.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

Tgt Ion:152 Resp: 95152

Ion Ratio Lower Upper

152 100

115 66.8 43.3 129.9

150 157.0 0.0 345.0

