

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071422\  
 Data File : VX030059.D  
 Acq On : 14 Jul 2022 14:22  
 Operator : JC/MD  
 Sample : N3672-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT-TB-20220711

Quant Time: Jul 14 14:49:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X070822W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jul 09 02:10:54 2022  
 Response via : Initial Calibration

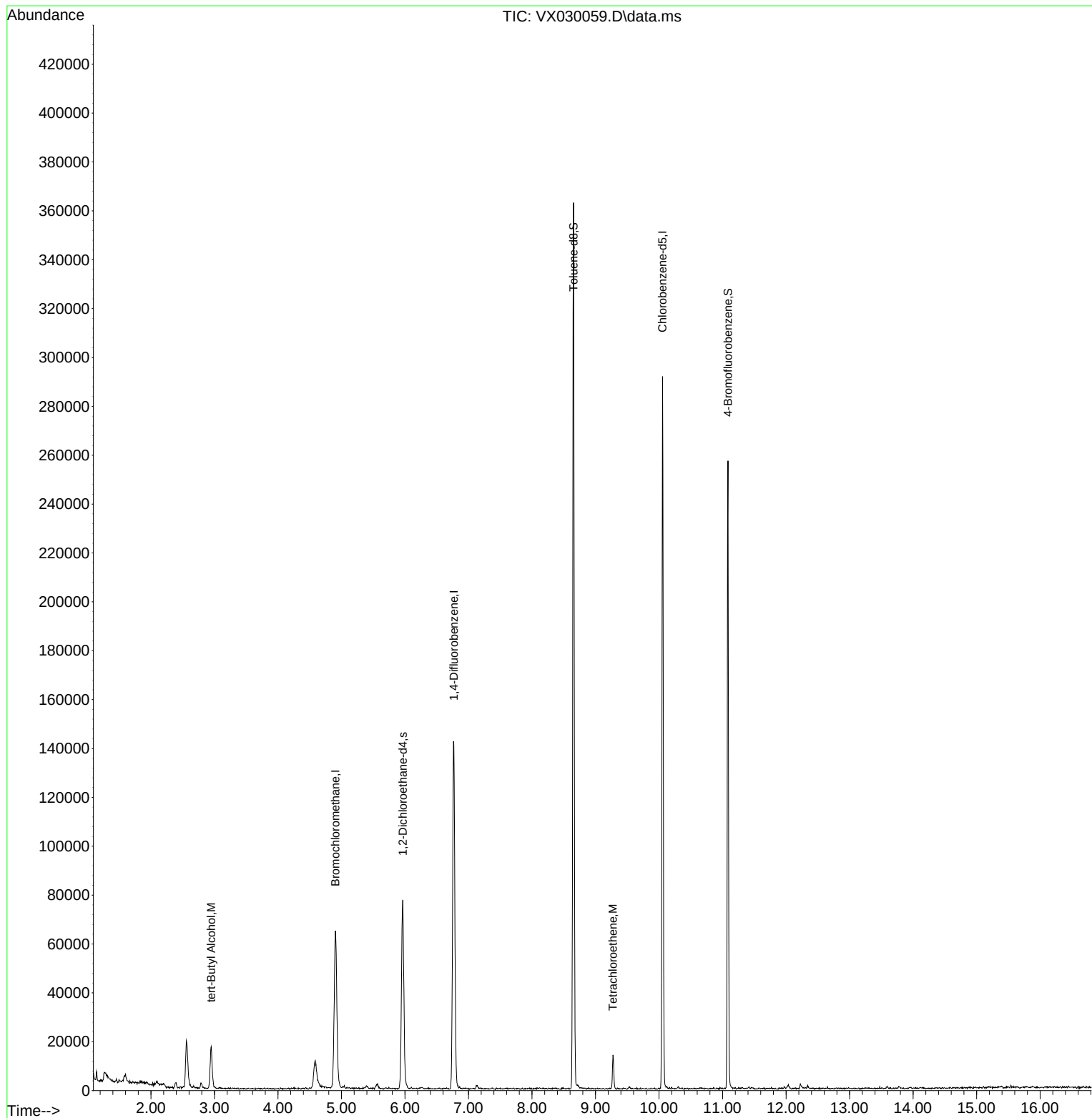
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.904  | 128   | 27912    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.769  | 114   | 154207   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 133788   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.964  | 65    | 67482    | 29.649   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 98.833%  |
| 60) 4-Bromofluorobenzene    | 11.085 | 95    | 70227    | 27.853   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 92.833%  |
| 63) Toluene-d8              | 8.653  | 98    | 213261   | 29.397   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 98.000%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 23) tert-Butyl Alcohol      | 2.947  | 59    | 9749     | 15.446   | ug/l   | # 100    |
| 61) Tetrachloroethene       | 9.275  | 164   | 2347     | 1.168    | ug/l   | 96       |
| -----                       |        |       |          |          |        |          |

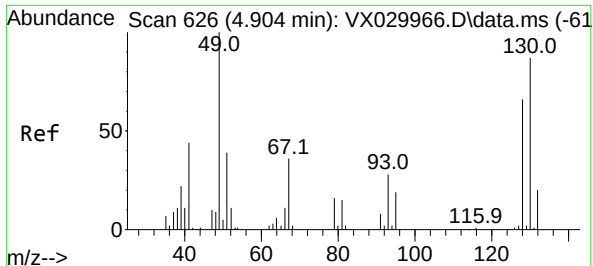
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X070822W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Jul 09 02:10:54 2022  
Response via : Initial Calibration

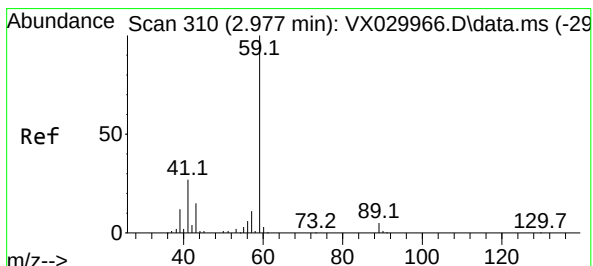
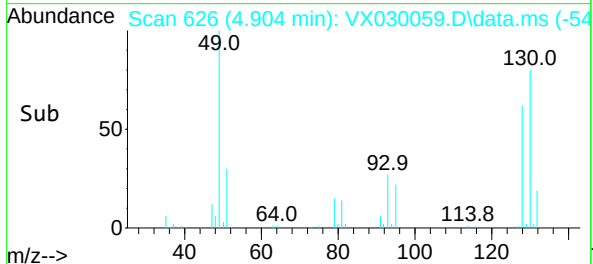
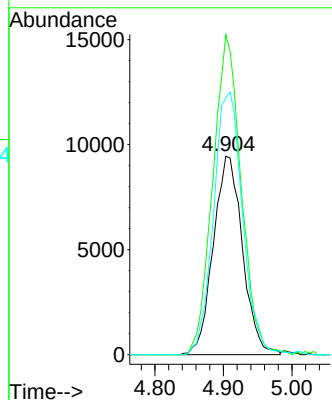
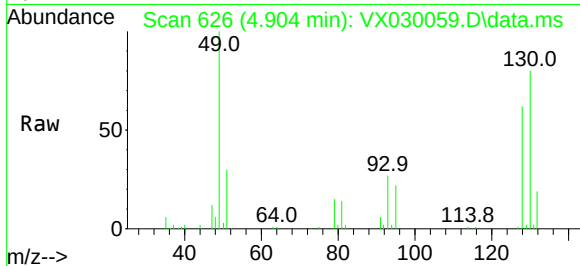




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.904 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX030059.D  
Acq: 14 Jul 2022 14:22

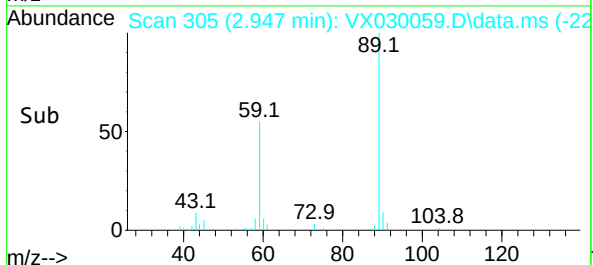
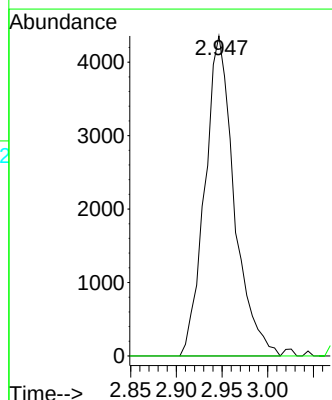
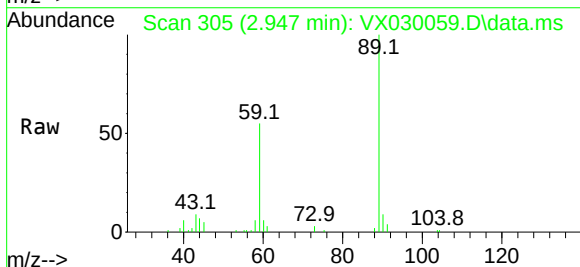
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20220711

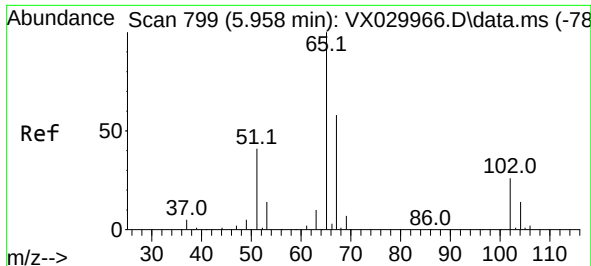
Tgt Ion:128 Resp: 27912  
Ion Ratio Lower Upper  
128 100  
49 156.4 0.0 358.3  
130 131.7 0.0 319.3



#23  
tert-Butyl Alcohol  
Concen: 15.446 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.031 min  
Lab File: VX030059.D  
Acq: 14 Jul 2022 14:22

Tgt Ion: 59 Resp: 9749  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 29.649 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030059.D

Acq: 14 Jul 2022 14:22

Instrument :

MSVOA\_X

ClientSampleId :

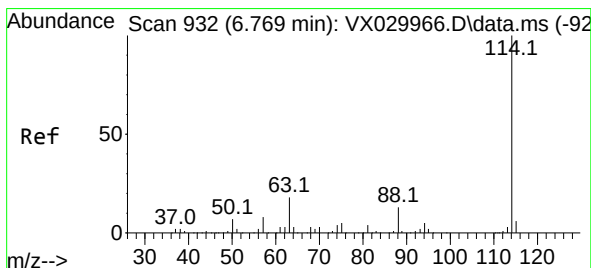
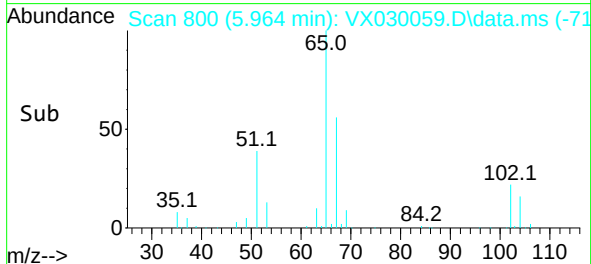
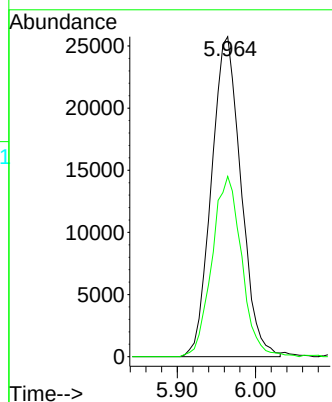
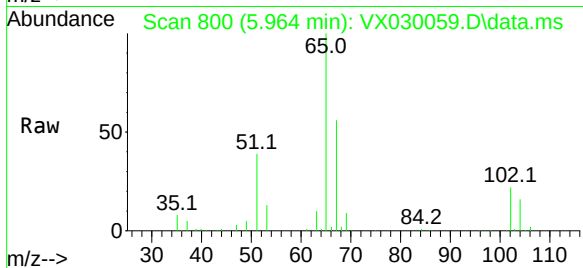
TT-TB-20220711

Tgt Ion: 65 Resp: 67482

Ion Ratio Lower Upper

65 100

67 56.5 42.3 63.5



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030059.D

Acq: 14 Jul 2022 14:22

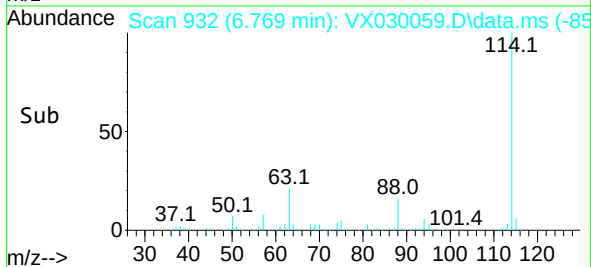
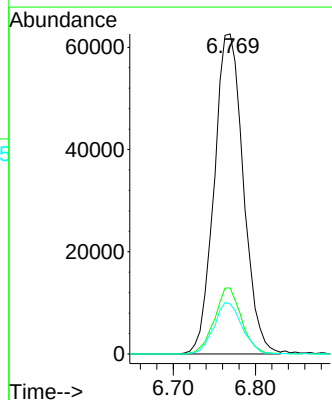
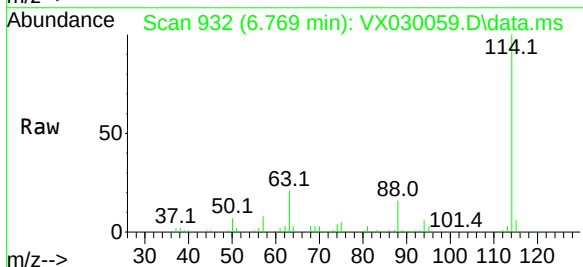
Tgt Ion: 114 Resp: 154207

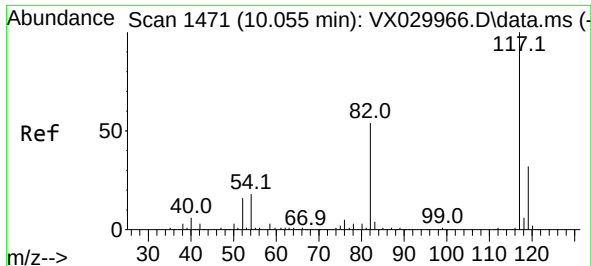
Ion Ratio Lower Upper

114 100

63 19.2 15.3 22.9

88 15.4 12.2 18.4

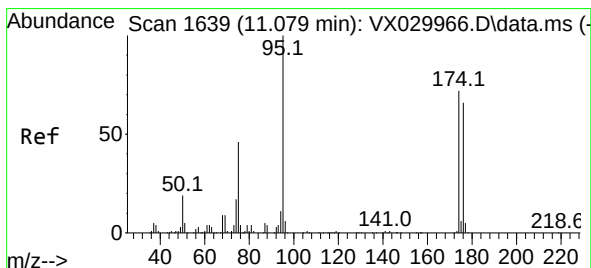
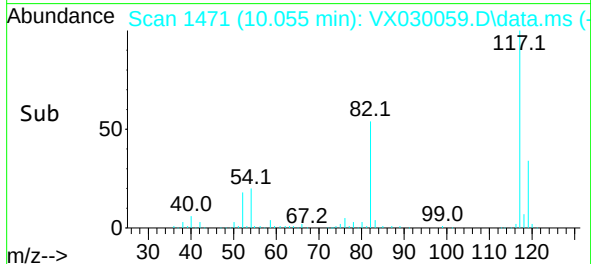
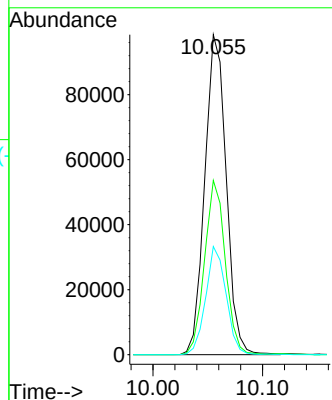
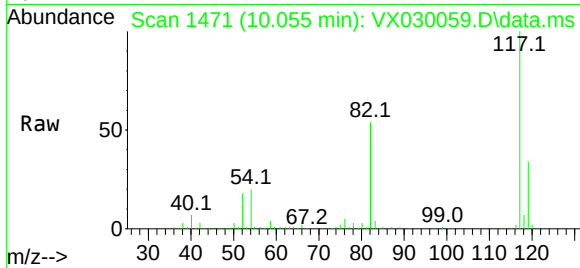




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX030059.D  
Acq: 14 Jul 2022 14:22

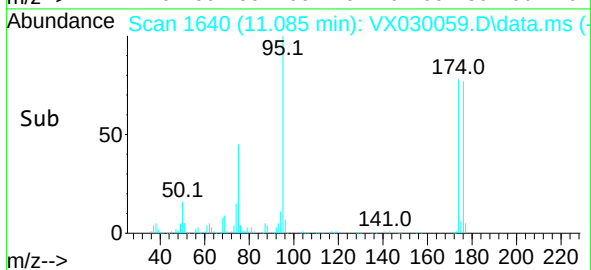
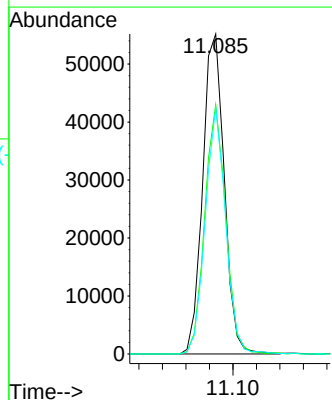
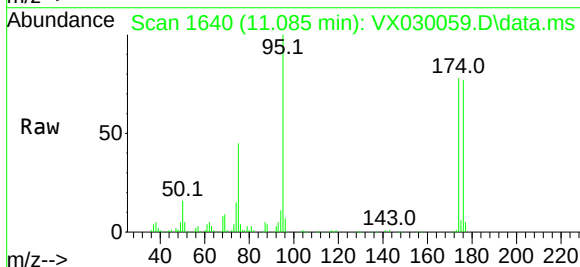
Instrument :  
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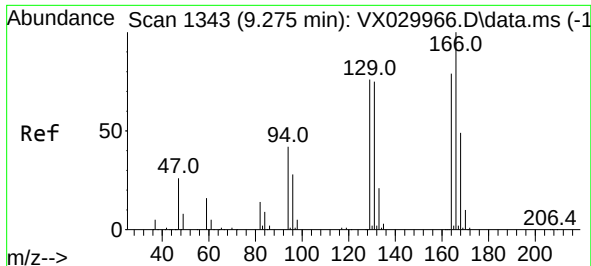
Tgt Ion:117 Resp: 133788  
Ion Ratio Lower Upper  
117 100  
82 52.7 42.3 63.5  
119 32.2 26.2 39.2



#60  
4-Bromofluorobenzene  
Concen: 27.853 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX030059.D  
Acq: 14 Jul 2022 14:22

Tgt Ion: 95 Resp: 70227  
Ion Ratio Lower Upper  
95 100  
174 75.6 65.4 98.2  
176 72.4 63.4 95.0

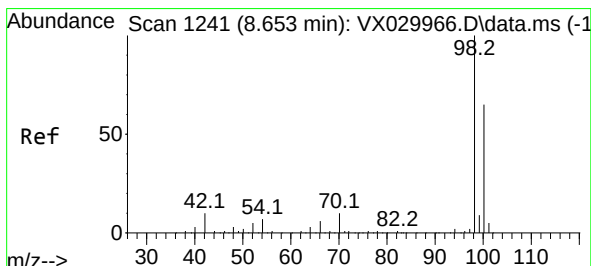
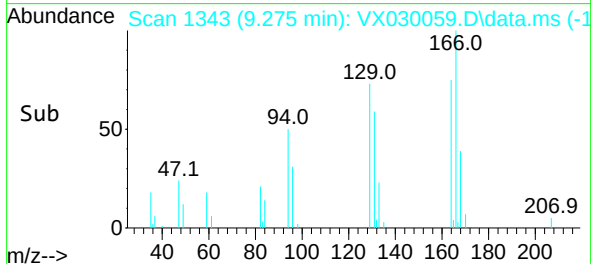
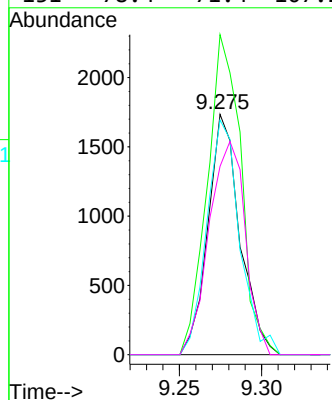
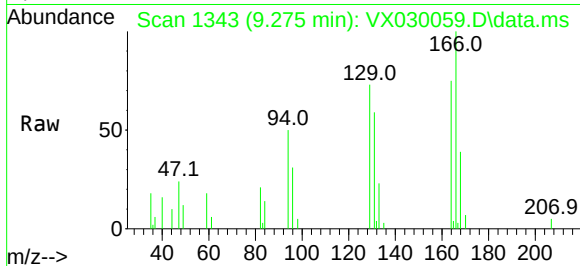




#61  
Tetrachloroethene  
Concen: 1.168 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX030059.D  
Acq: 14 Jul 2022 14:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20220711

Tgt Ion:164 Resp: 2347  
Ion Ratio Lower Upper  
164 100  
166 133.1 105.0 157.6  
129 97.6 78.5 117.7  
131 78.4 71.4 107.2



#63  
Toluene-d8  
Concen: 29.397 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX030059.D  
Acq: 14 Jul 2022 14:22

Tgt Ion: 98 Resp: 213261  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.4 77.2

