

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120920\  
 Data File : VX019802.D  
 Acq On : 10 Dec 2020 01:52  
 Operator : JC/MD  
 Sample : L4993-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TU032-32-5266-120720

Quant Time: Dec 10 10:43:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 04 15:32:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 332160   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 540208   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 497640   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 220286   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |        |
|---------------------------|--------|-------|----------|----------|------|--------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65    | 204953   | 46.95    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 61 - 141 | Recovery | =    | 93.90% |
| 35) Dibromofluoromethane  | 5.46   | 113   | 165578   | 47.43    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 69 - 133 | Recovery | =    | 94.86% |
| 50) Toluene-d8            | 8.70   | 98    | 651959   | 48.91    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 65 - 126 | Recovery | =    | 97.82% |
| 62) 4-Bromofluorobenzene  | 11.12  | 95    | 231720   | 45.68    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 58 - 135 | Recovery | =    | 91.36% |

## Target Compounds

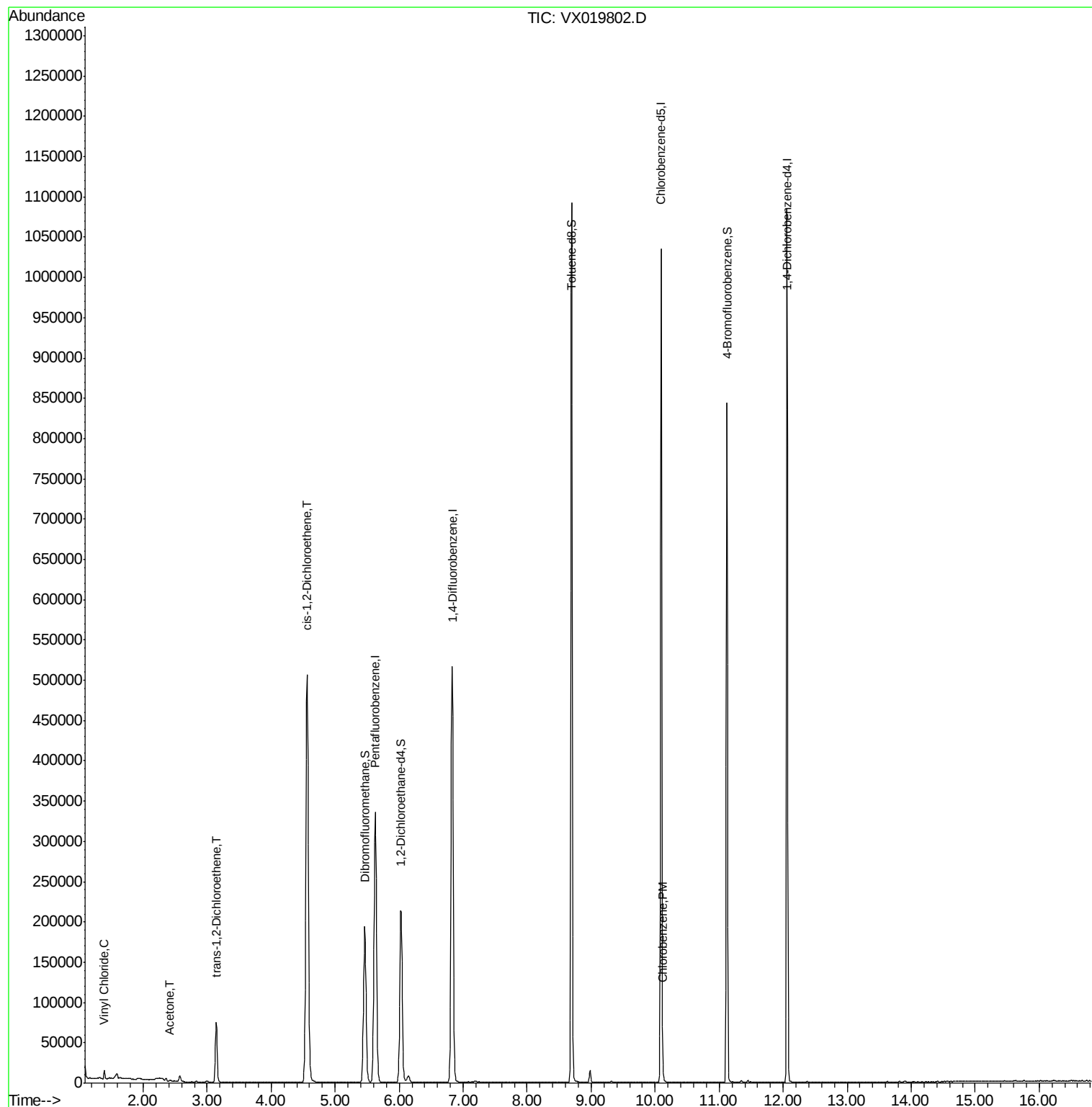
|                              |       |     |        |        | Qvalue    |
|------------------------------|-------|-----|--------|--------|-----------|
| 4) Vinyl Chloride            | 1.39  | 62  | 6143   | 1.629  | ug/l 99   |
| 16) Acetone                  | 2.42  | 43  | 1815   | 1.106  | ug/l # 83 |
| 21) trans-1,2-Dichloroethene | 3.14  | 96  | 31284  | 8.817  | ug/l 99   |
| 27) cis-1,2-Dichloroethene   | 4.56  | 96  | 335021 | 80.686 | ug/l 88   |
| 65) Chlorobenzene            | 10.12 | 112 | 4138   | 0.417  | ug/l 96   |

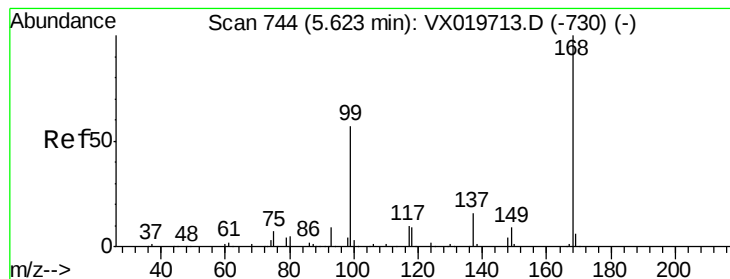
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120920\  
Data File : VX019802.D  
Acq On : 10 Dec 2020 01:52  
Operator : JC/MD  
Sample : L4993-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TU032-32-5266-120720

Quant Time: Dec 10 10:43:26 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 04 15:32:53 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019802.D

Acq: 10 Dec 2020 01:52

Instrument :

MSVOA\_X

ClientSampleId :

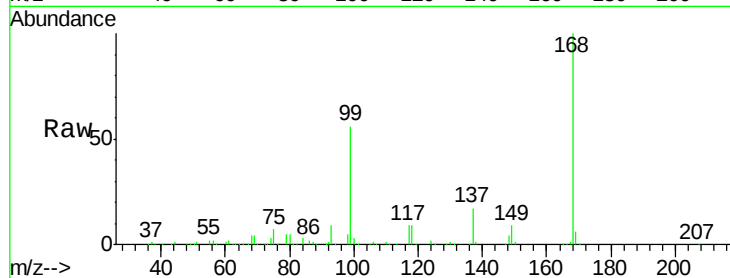
TU032-32-5266-120720

Tot Ion:168 Resp: 332160

Ion Ratio Lower Upper

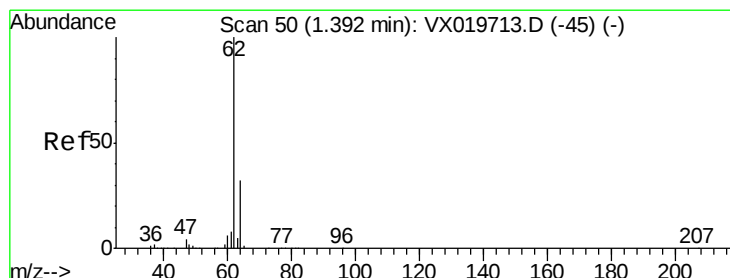
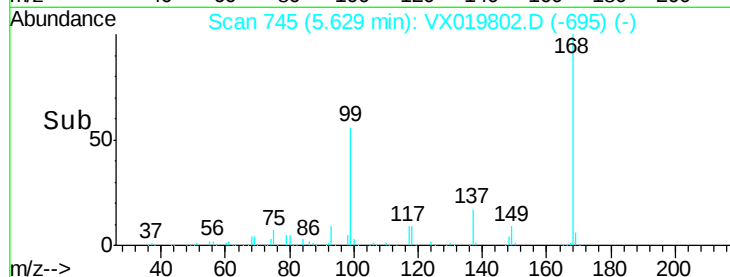
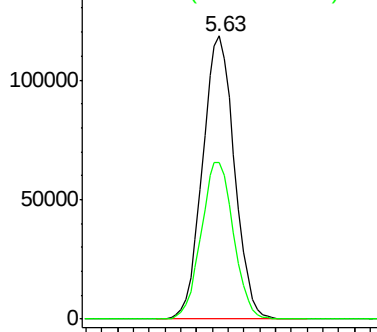
168 100

99 55.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.629 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019802.D

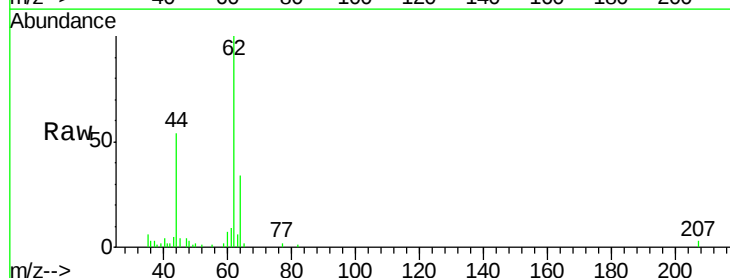
Acq: 10 Dec 2020 01:52

Tgt Ion: 62 Resp: 6143

Ion Ratio Lower Upper

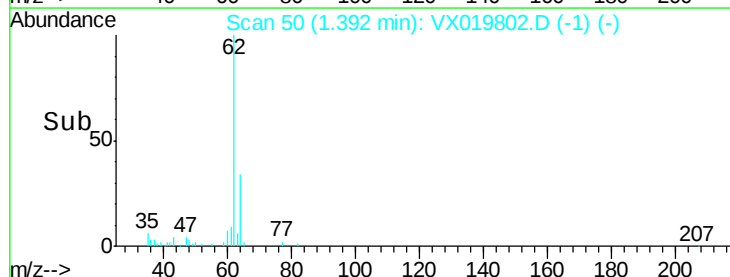
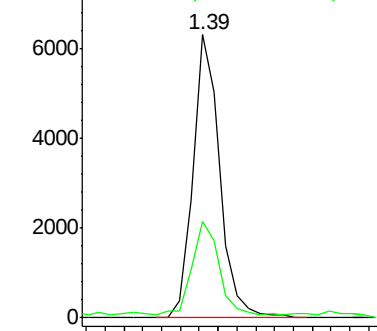
62 100

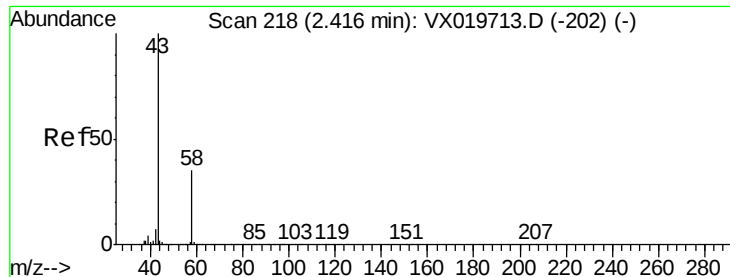
64 32.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 1.106 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019802.D

Acq: 10 Dec 2020 01:52

Instrument :

MSVOA\_X

ClientSampleId :

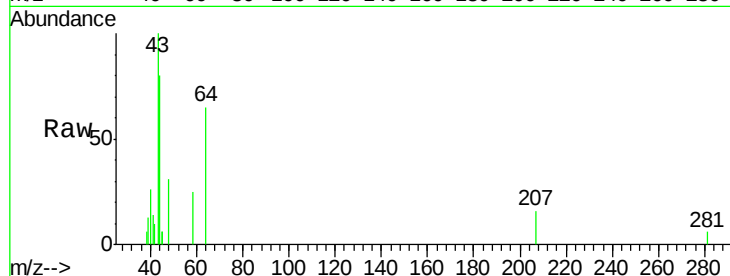
TU032-32-5266-120720

Tot Ion: 43 Resp: 1815

Ion Ratio Lower Upper

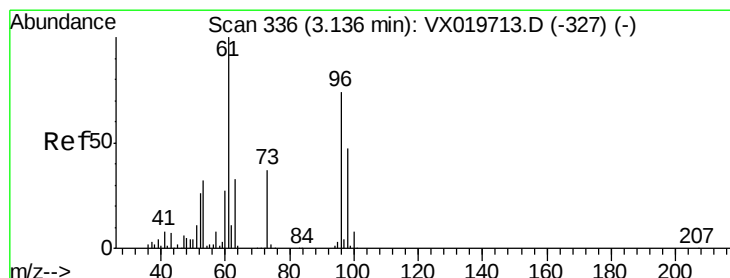
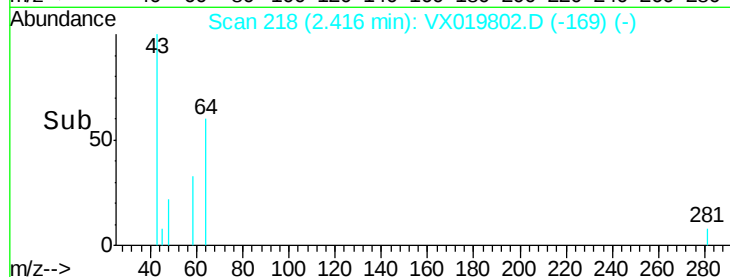
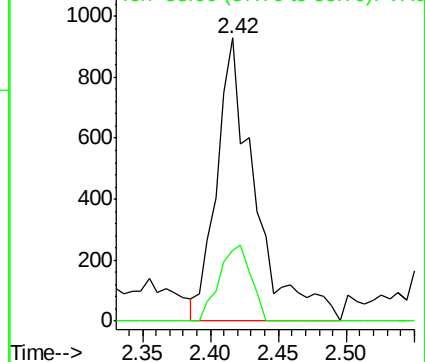
43 100

58 25.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 8.817 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019802.D

Acq: 10 Dec 2020 01:52

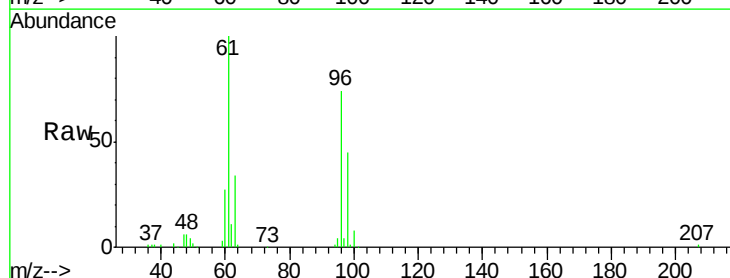
Tgt Ion: 96 Resp: 31284

Ion Ratio Lower Upper

96 100

61 134.9 107.7 161.5

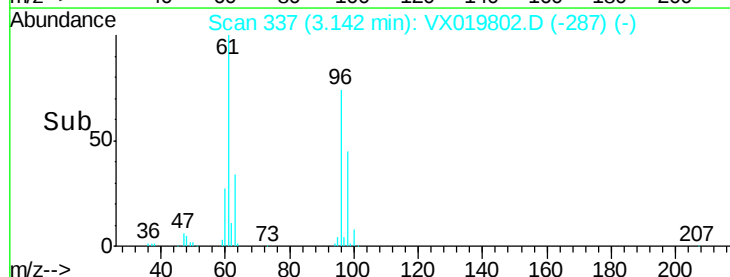
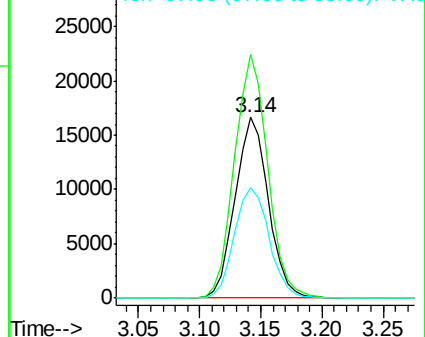
98 61.2 50.4 75.6

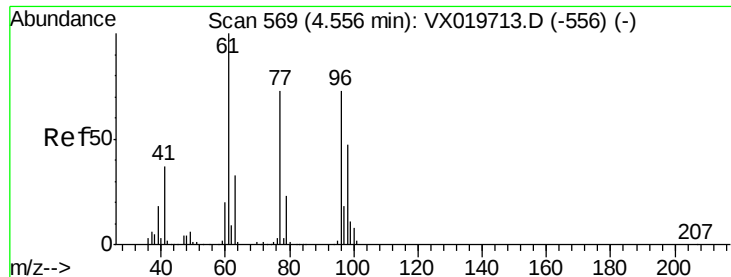


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



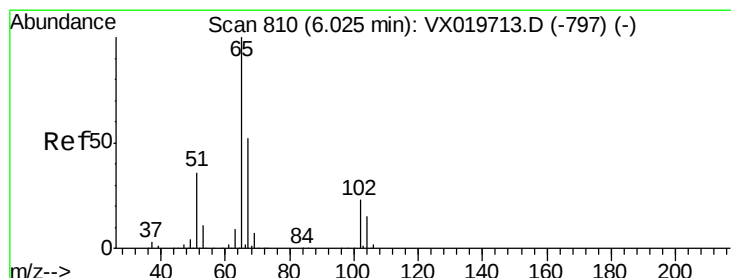
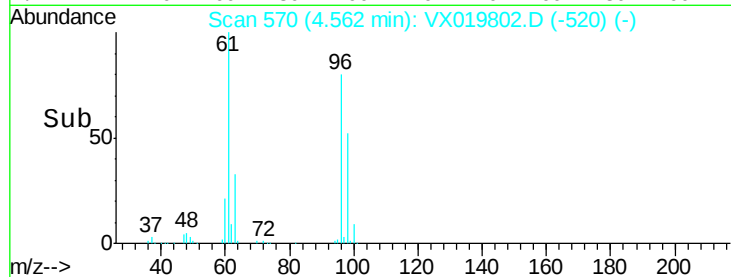
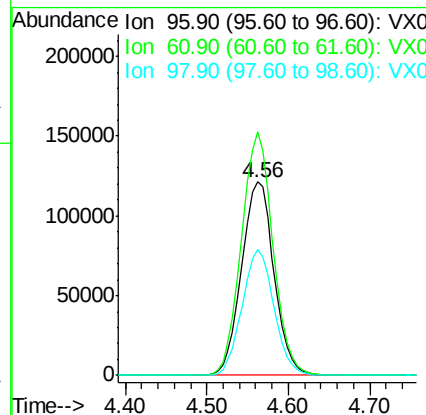
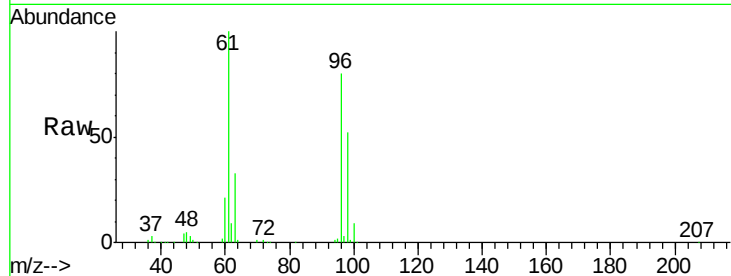


#27

cis-1,2-Dichloroethene  
Concen: 80.686 ug/l  
RT: 4.56 min Scan# 570  
Delta R.T. 0.01 min  
Lab File: VX019802.D  
Acq: 10 Dec 2020 01:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
TU032-32-5266-120720

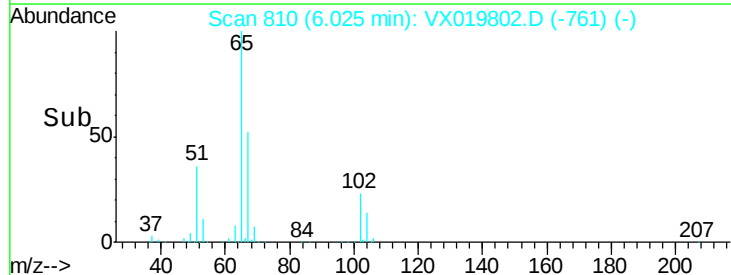
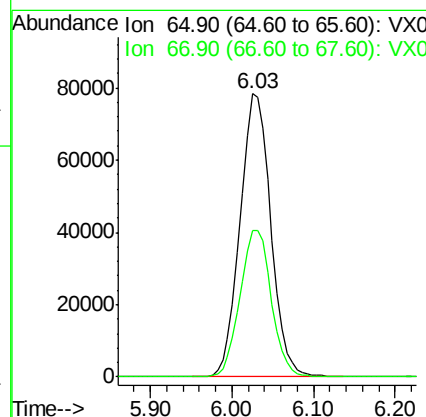
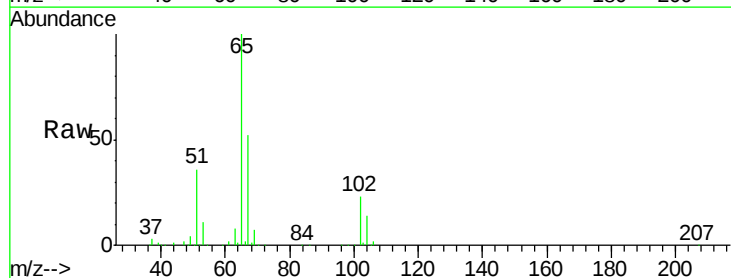
| Tot Ion | 96    | Resp  | 335021 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 96      | 100   |       |        |
| 61      | 122.7 | 0.0   | 285.6  |
| 98      | 64.0  | 0.0   | 129.6  |

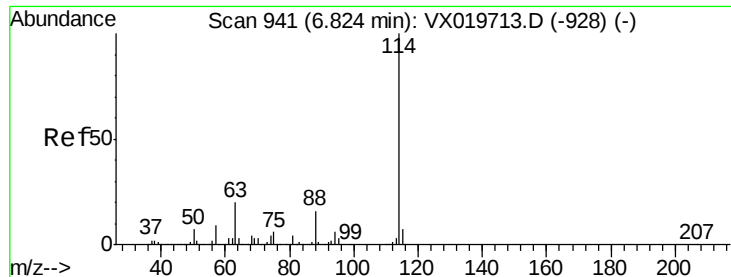


#33

1,2-Dichloroethane-d4  
Concen: 46.948 ug/l  
RT: 6.03 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: VX019802.D  
Acq: 10 Dec 2020 01:52

| Tgt Ion | 65    | Resp  | 204953 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 65      | 100   |       |        |
| 67      | 52.7  | 0.0   | 105.4  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019802.D

Acq: 10 Dec 2020 01:52

Instrument :

MSVOA\_X

ClientSampleId :

TU032-32-5266-120720

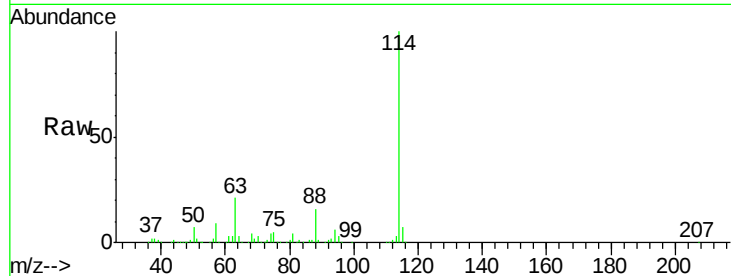
Tot Ion:114 Resp: 540208

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

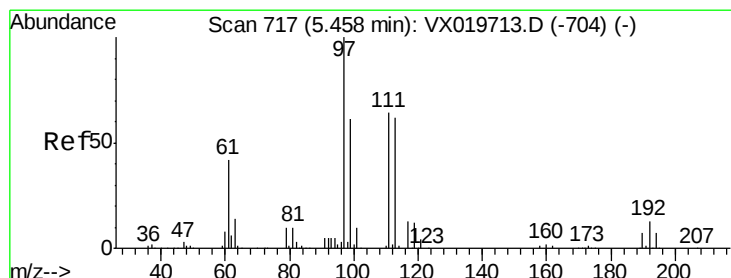
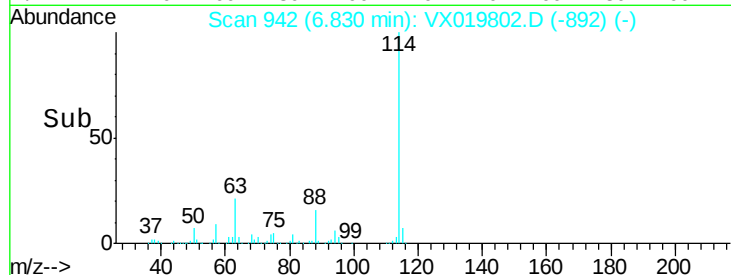
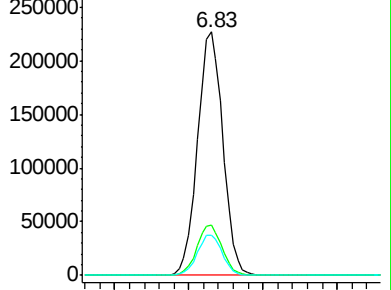
88 16.5 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.426 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019802.D

Acq: 10 Dec 2020 01:52

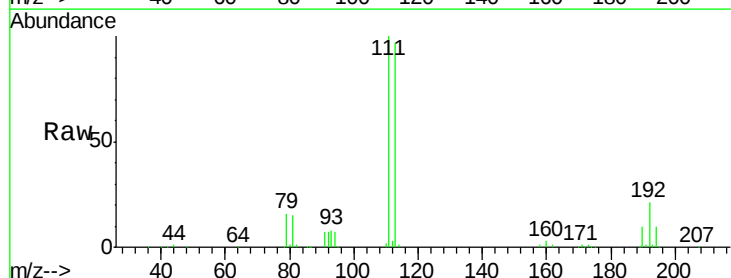
Tgt Ion:113 Resp: 165578

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

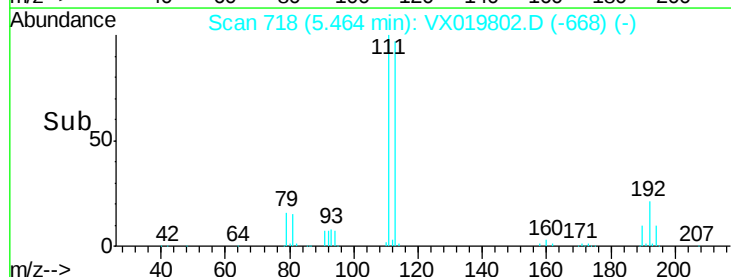
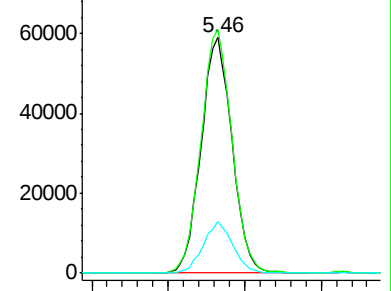
192 20.8 16.7 25.1

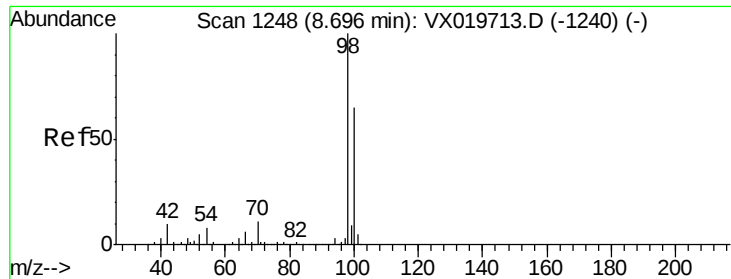


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.913 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019802.D

Acq: 10 Dec 2020 01:52

Instrument :

MSVOA\_X

ClientSampleId :

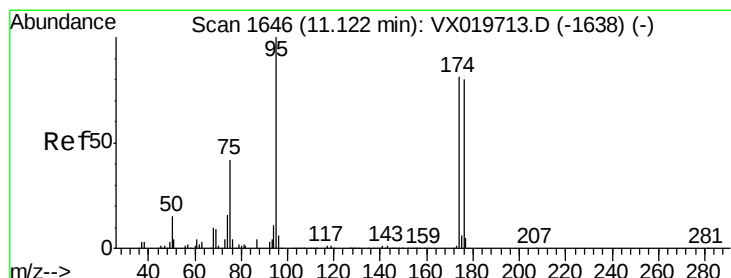
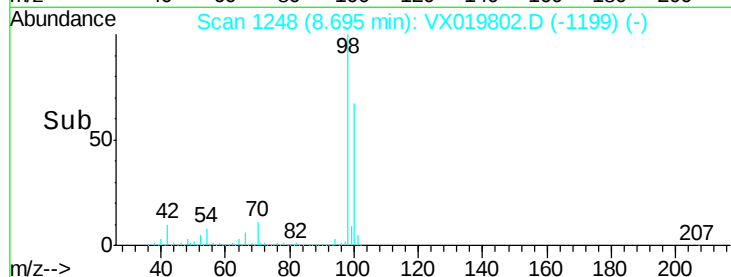
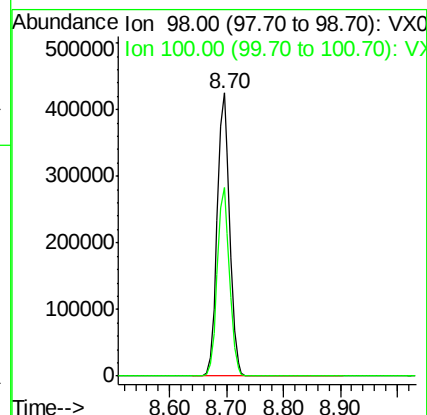
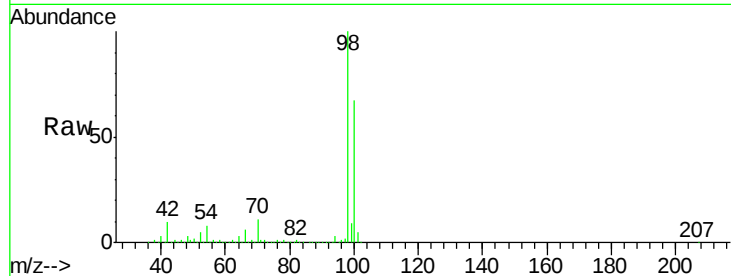
TU032-32-5266-120720

Tot Ion: 98 Resp: 651959

Ion Ratio Lower Upper

98 100

100 65.8 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.676 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019802.D

Acq: 10 Dec 2020 01:52

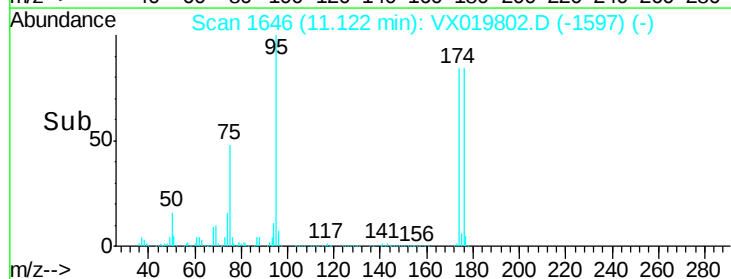
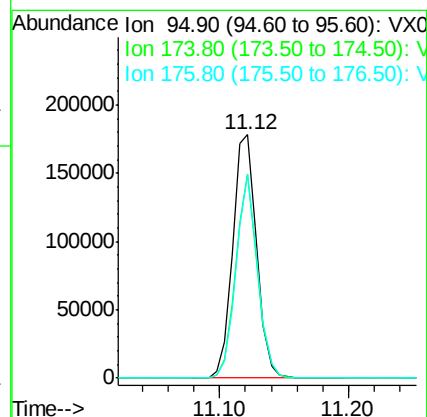
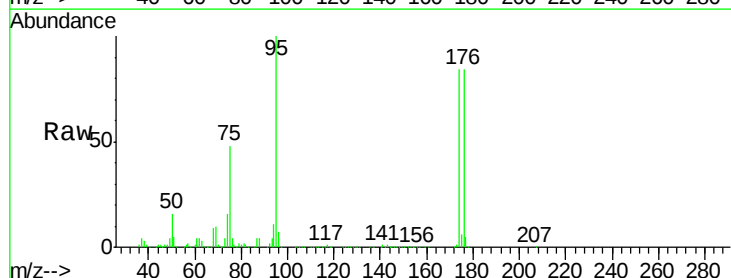
Tgt Ion: 95 Resp: 231720

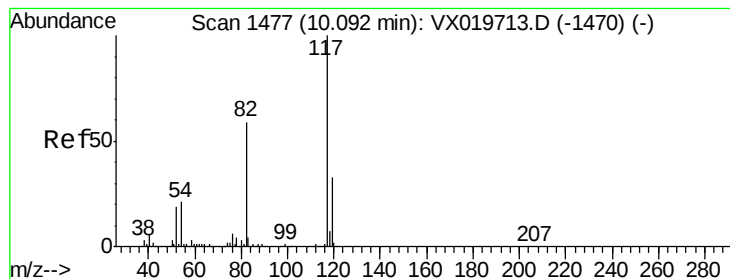
Ion Ratio Lower Upper

95 100

174 76.2 0.0 154.6

176 75.9 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019802.D

Acq: 10 Dec 2020 01:52

Instrument :

MSVOA\_X

ClientSampleId :

TU032-32-5266-120720

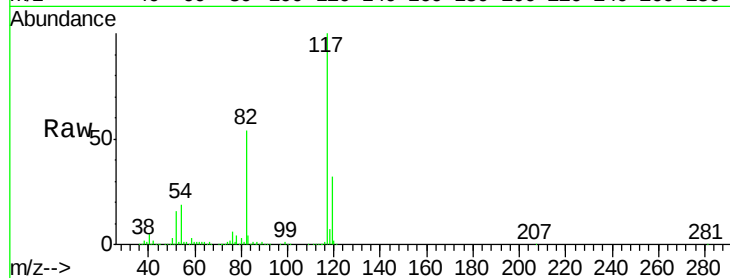
Tot Ion:117 Resp: 497640

Ion Ratio Lower Upper

117 100

82 53.6 47.4 71.2

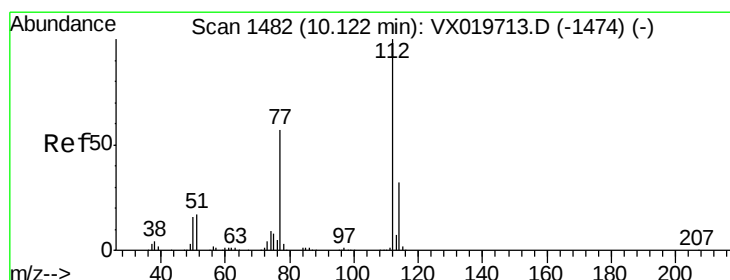
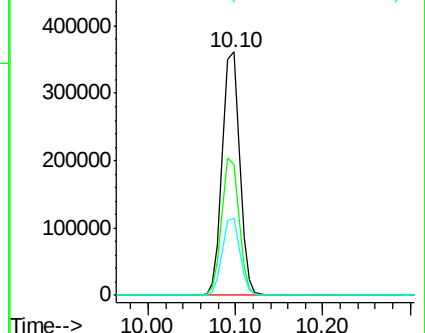
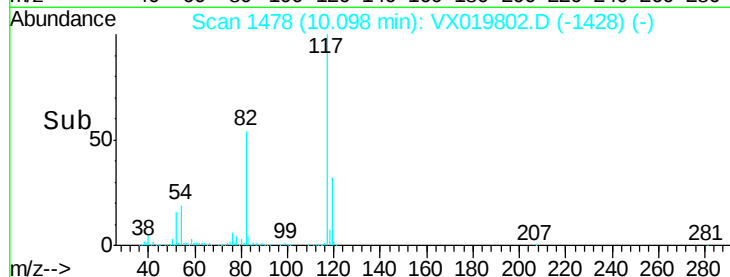
119 31.9 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.417 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX019802.D

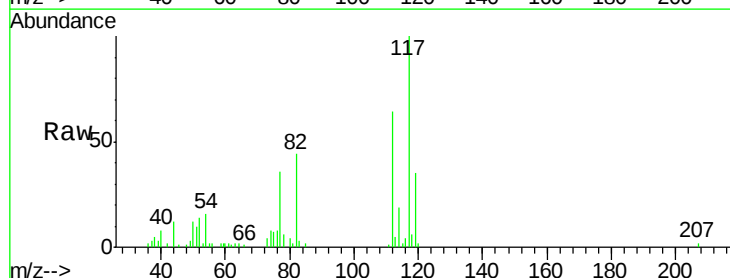
Acq: 10 Dec 2020 01:52

Tgt Ion:112 Resp: 4138

Ion Ratio Lower Upper

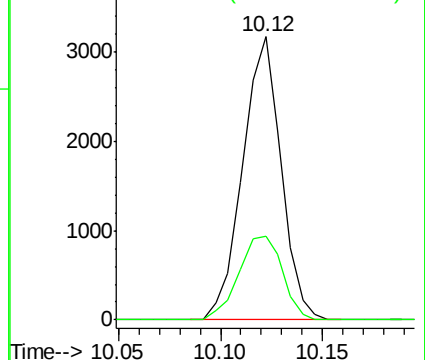
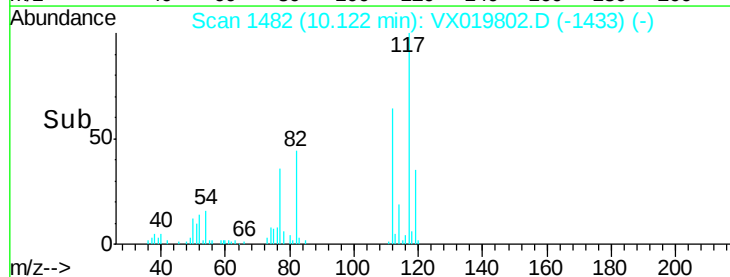
112 100

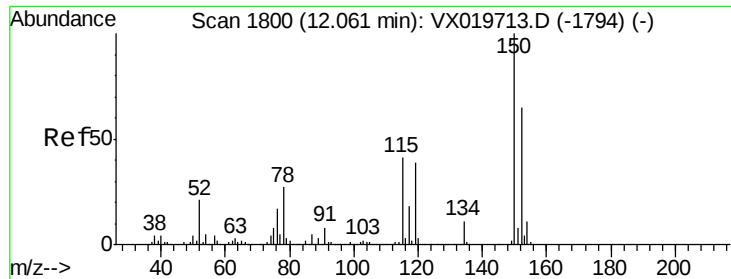
114 29.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019802.D

Acq: 10 Dec 2020 01:52

Instrument :

MSVOA\_X

ClientSampleId :

TU032-32-5266-120720

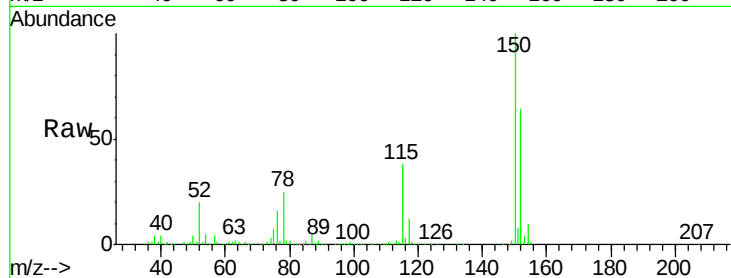
Tot Ion:152 Resp: 220286

Ion Ratio Lower Upper

152 100

115 59.8 41.1 123.3

150 157.6 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

