

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052220\  
 Data File : VX016402.D  
 Acq On : 22 May 2020 11:27  
 Operator : JC/SP  
 Sample : L2730-01DL 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021RW244-200520DL

Quant Time: May 23 06:38:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 06 06:43:32 2020  
 Response via : Initial Calibration

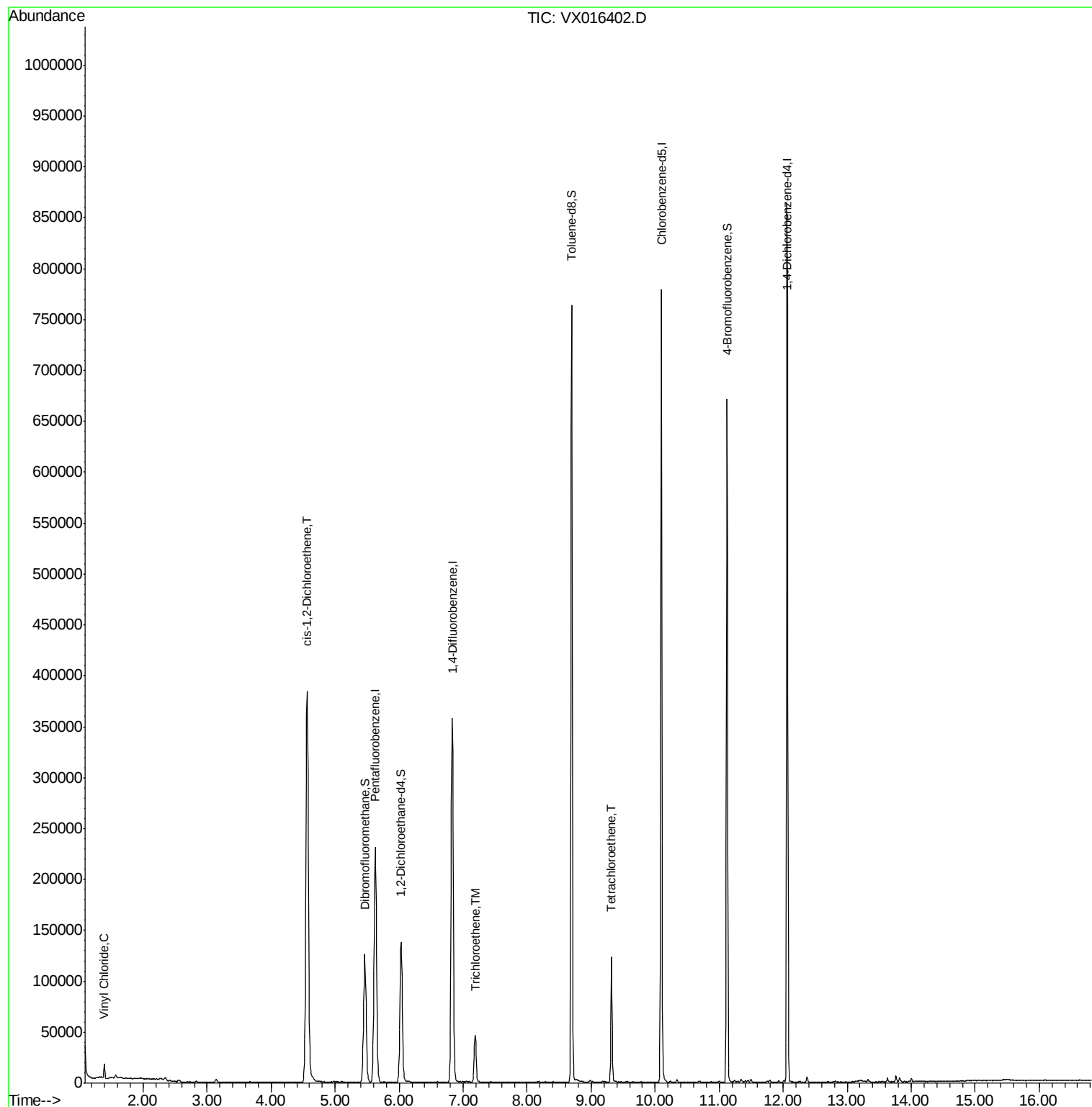
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 228664   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 377258   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 365524   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 179469   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 129461   | 43.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.04%  |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 109857   | 45.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.92%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 459020   | 49.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.68%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 181063   | 51.69  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.38% |          |
| Target Compounds            |       |      |          |        |         |          |
| 4) Vinyl Chloride           | 1.39  | 62   | 7872     | 2.625  | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene  | 4.56  | 96   | 257878   | 89.051 | ug/l    | 85       |
| 44) Trichloroethene         | 7.19  | 130  | 18639    | 4.829  | ug/l    | 97       |
| 64) Tetrachloroethene       | 9.32  | 164  | 23717    | 5.285  | ug/l    | 95       |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 06 06:43:32 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: VX016402.D

Acq: 22 May 2020 11:27

Instrument :

MSVOA\_X

ClientSampleId :

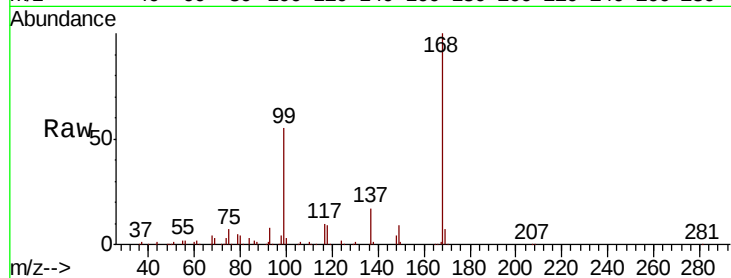
WP021RW244-200520DL

Tot Ion:168 Resp: 228664

Ion Ratio Lower Upper

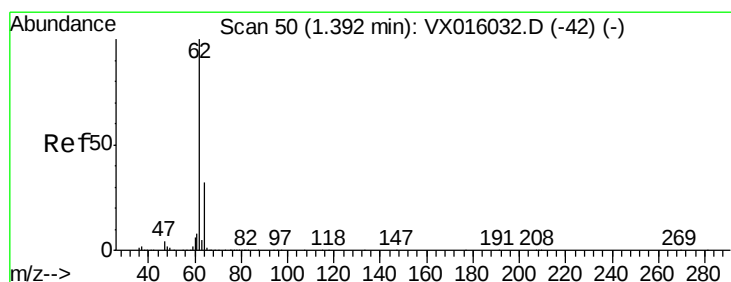
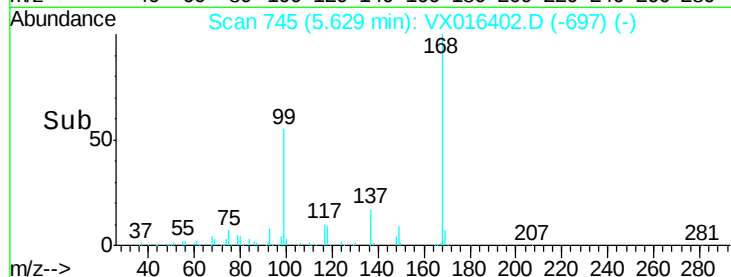
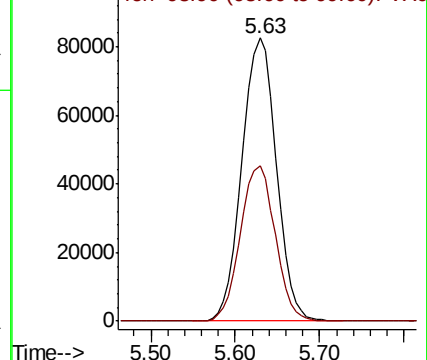
168 100

99 54.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 2.625 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016402.D

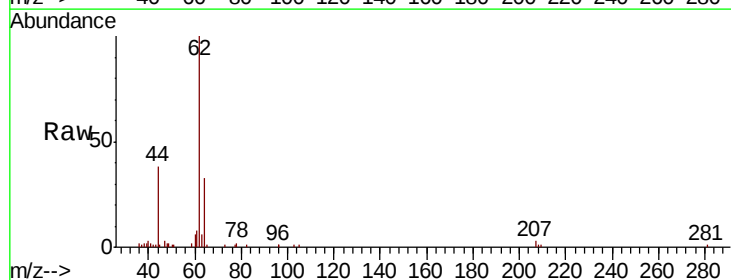
Acq: 22 May 2020 11:27

Tgt Ion: 62 Resp: 7872

Ion Ratio Lower Upper

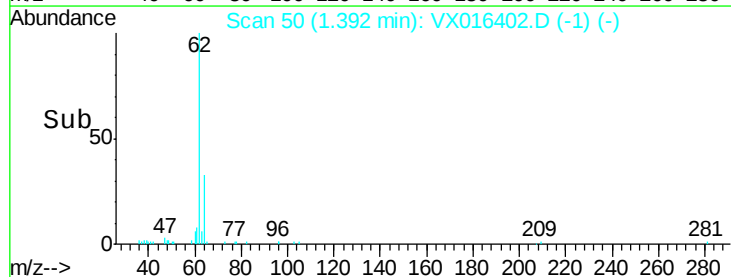
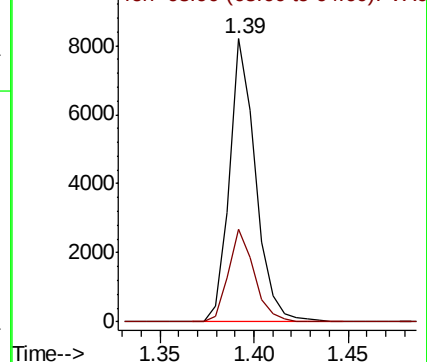
62 100

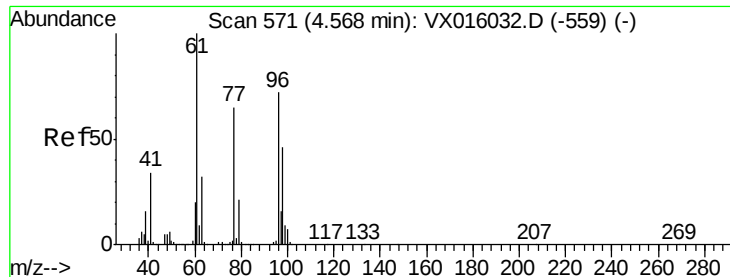
64 32.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



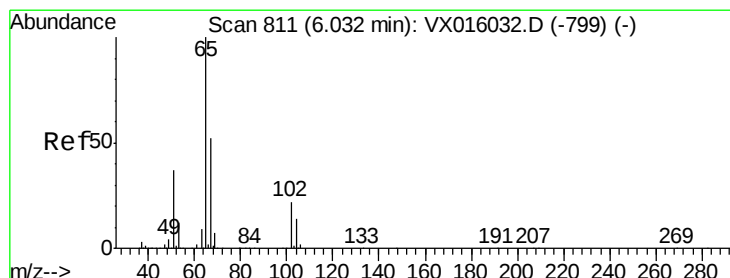
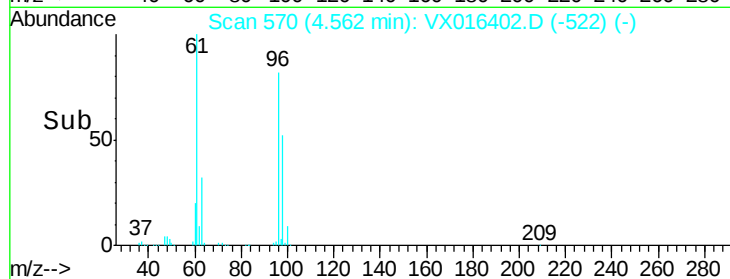
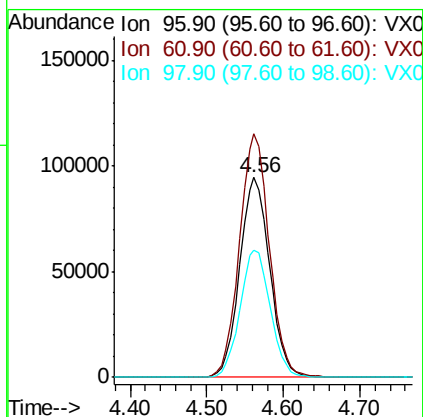
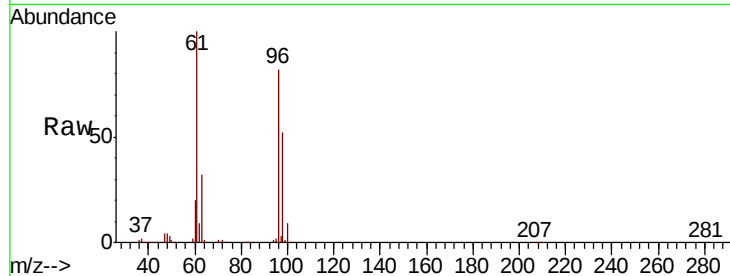


#27

cis-1,2-Dichloroethene  
 Concen: 89.051 ug/l  
 RT: 4.56 min Scan# 570  
 Delta R.T. -0.01 min  
 Lab File: VX016402.D  
 Acq: 22 May 2020 11:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021RW244-200520DL

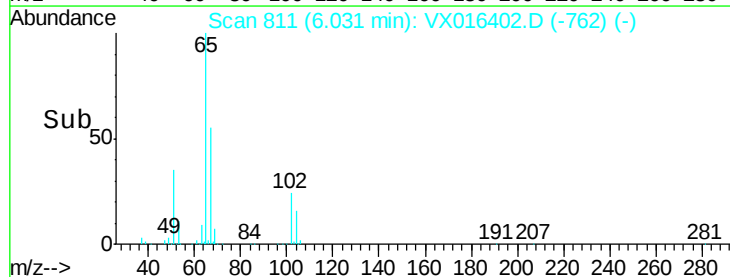
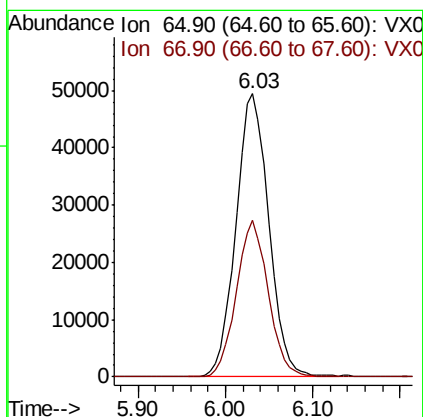
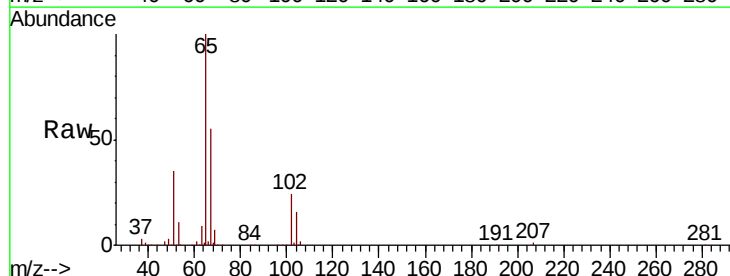
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 121.2 | 0.0   | 296.2 |
| 98      | 64.3  | 0.0   | 129.4 |

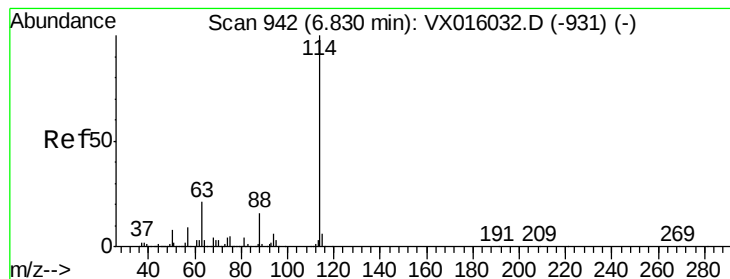


#33

1,2-Dichloroethane-d4  
 Concen: 43.025 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX016402.D  
 Acq: 22 May 2020 11:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.4  | 0.0   | 104.8 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016402.D

Acq: 22 May 2020 11:27

Instrument :

MSVOA\_X

ClientSampleId :

WP021RW244-200520DL

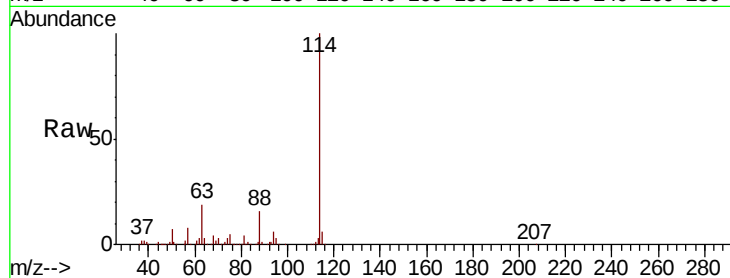
Tot Ion:114 Resp: 377258

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.8

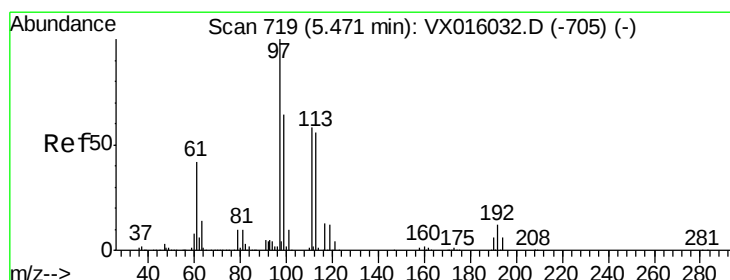
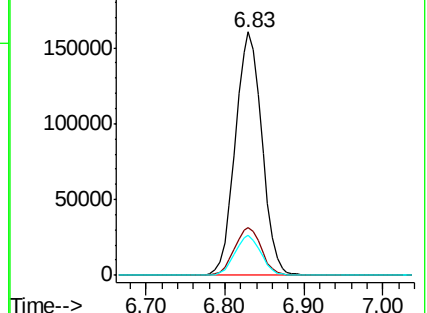
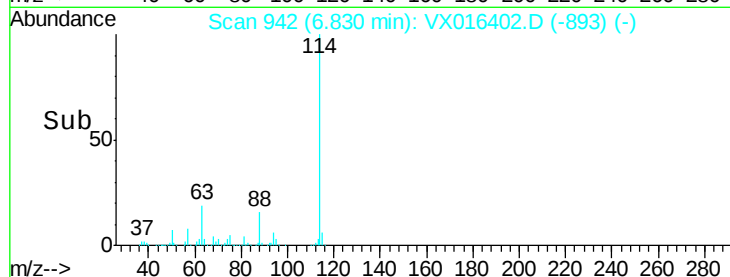
88 16.4 0.0 31.4



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: 45.964 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016402.D

Acq: 22 May 2020 11:27

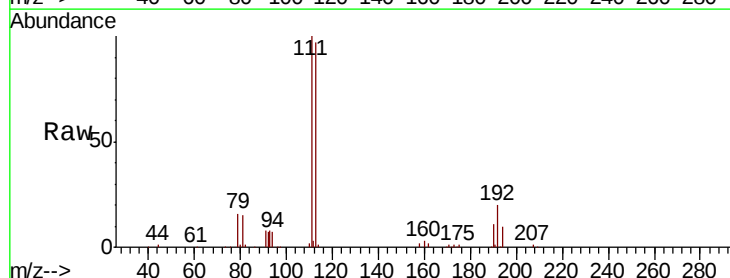
Tgt Ion:113 Resp: 109857

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

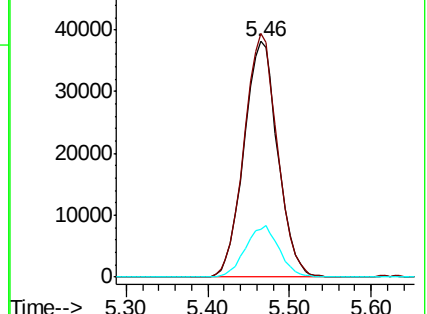
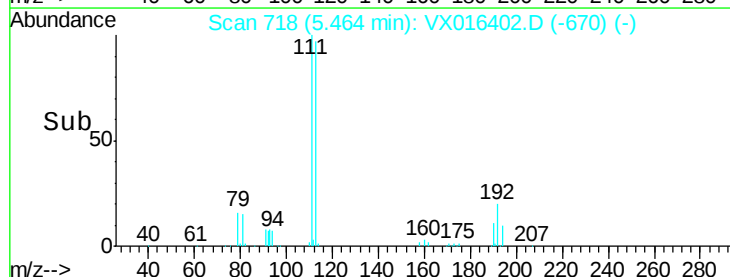
192 21.6 17.0 25.4

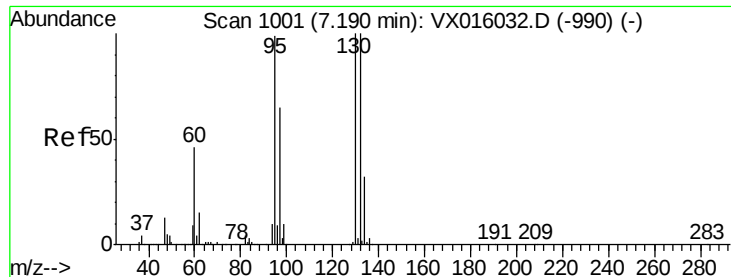


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 4.829 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016402.D

Acq: 22 May 2020 11:27

Instrument :

MSVOA\_X

ClientSampleId :

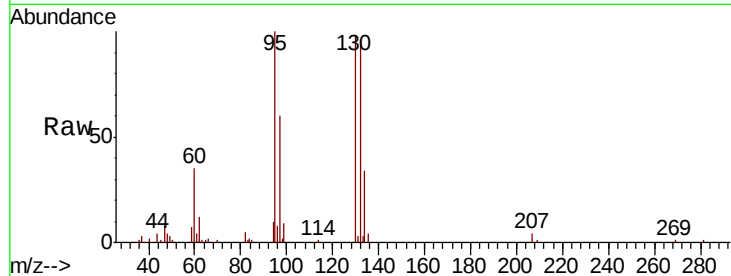
WP021RW244-200520DL

Tot Ion:130 Resp: 18639

Ion Ratio Lower Upper

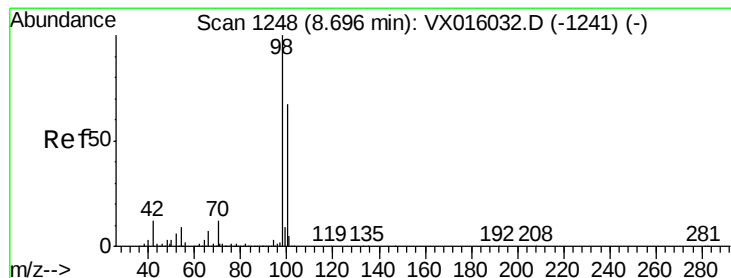
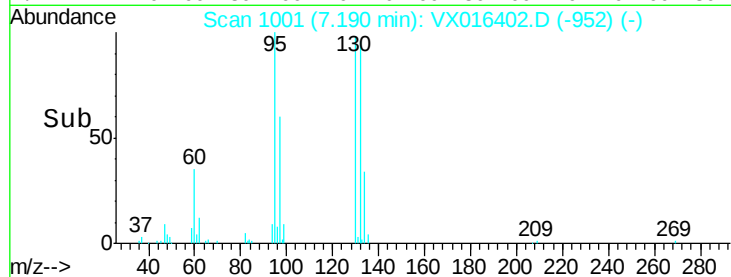
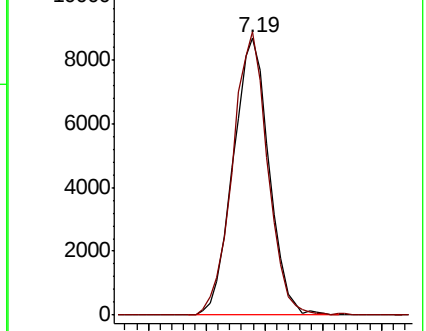
130 100

95 102.1 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.844 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016402.D

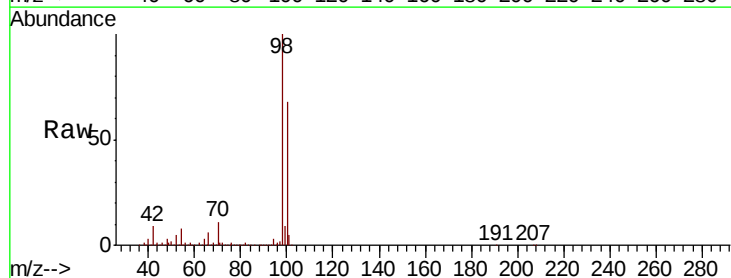
Acq: 22 May 2020 11:27

Tgt Ion: 98 Resp: 459020

Ion Ratio Lower Upper

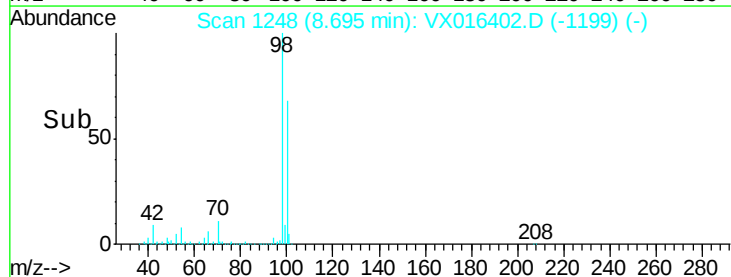
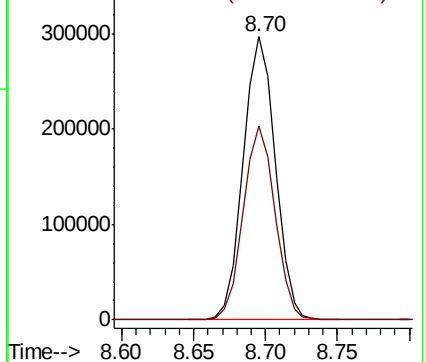
98 100

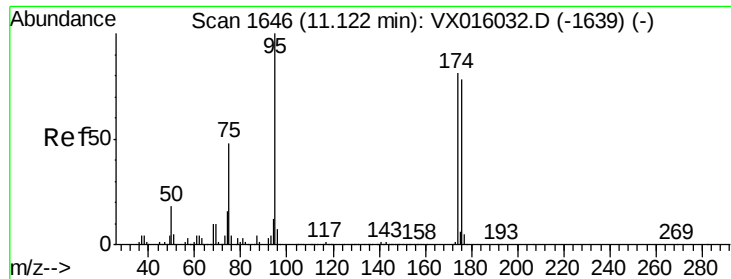
100 67.7 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

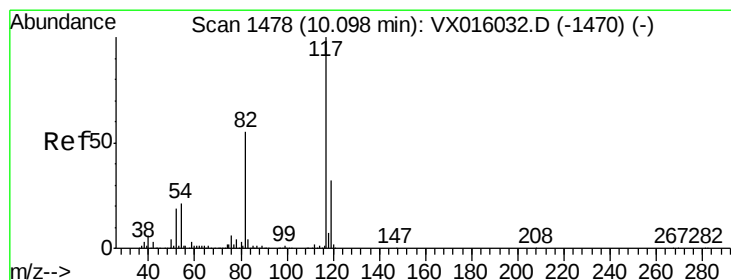
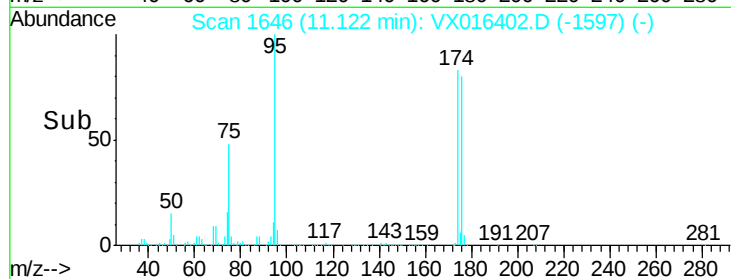
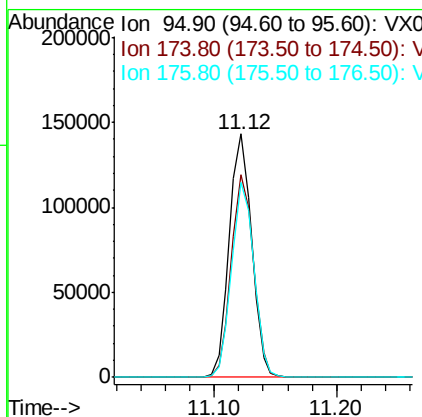
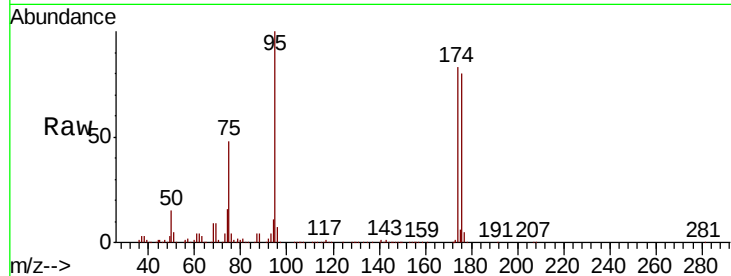




#62  
4-Bromofluorobenzene  
Concen: 51.692 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX016402.D  
Acq: 22 May 2020 11:27

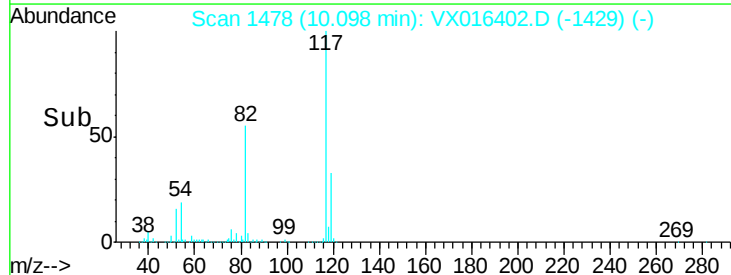
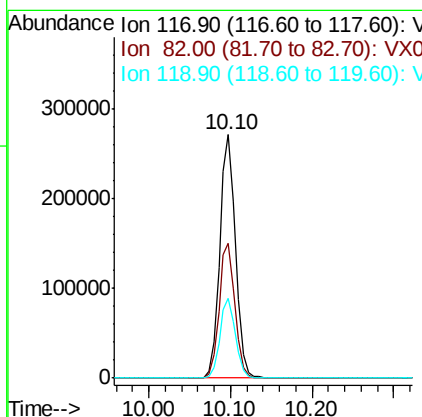
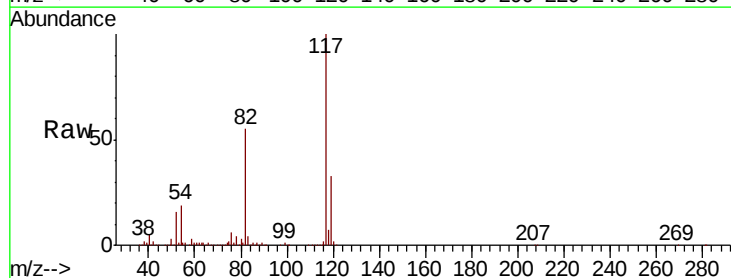
Instrument :  
MSVOA\_X  
ClientSampleId :  
WP021RW244-200520DL

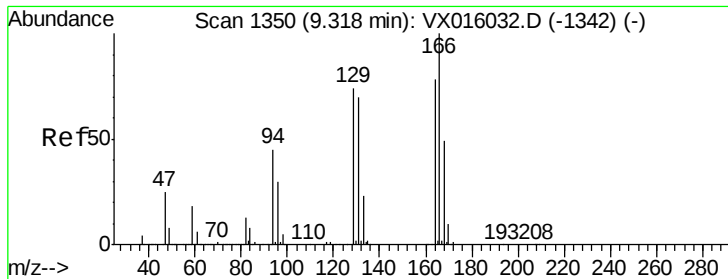
Tot Ion: 95 Resp: 181063  
Ion Ratio Lower Upper  
95 100  
174 82.7 0.0 159.4  
176 79.4 0.0 157.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX016402.D  
Acq: 22 May 2020 11:27

Tgt Ion: 117 Resp: 365524  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.4 66.6  
119 32.7 25.5 38.3





#64

Tetrachloroethene

Concen: 5.285 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016402.D

Acq: 22 May 2020 11:27

Instrument :

MSVOA\_X

ClientSampleId :

WP021RW244-200520DL

Tot Ion:164 Resp: 23717

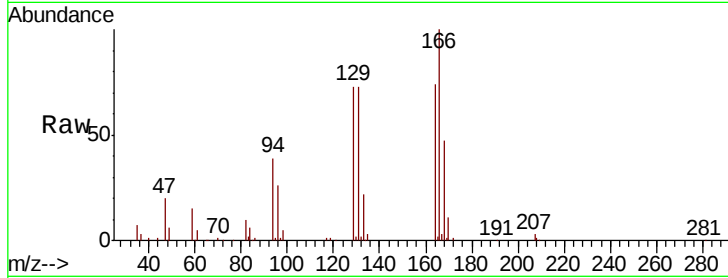
Ion Ratio Lower Upper

164 100

166 134.4 102.9 154.3

129 97.7 76.1 114.1

131 98.2 71.9 107.9

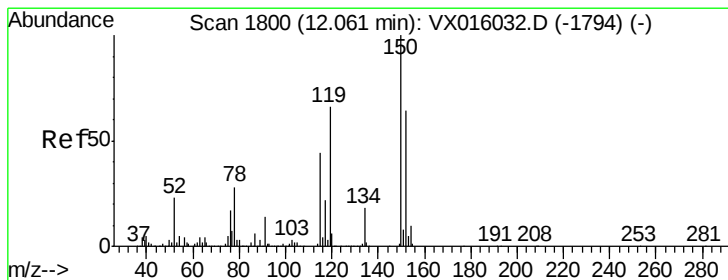
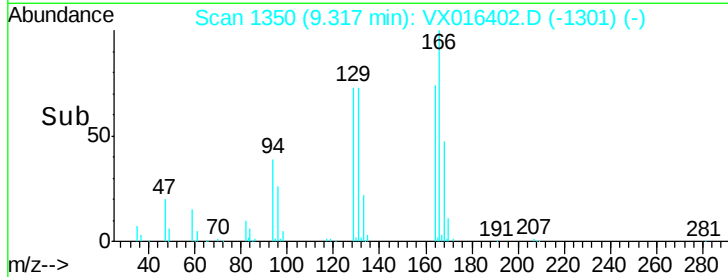
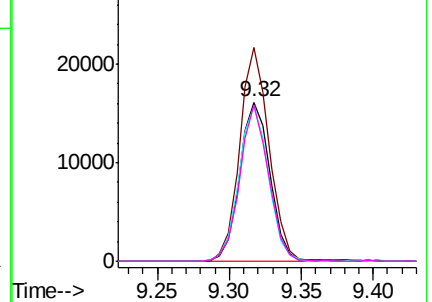


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX016402.D

Acq: 22 May 2020 11:27

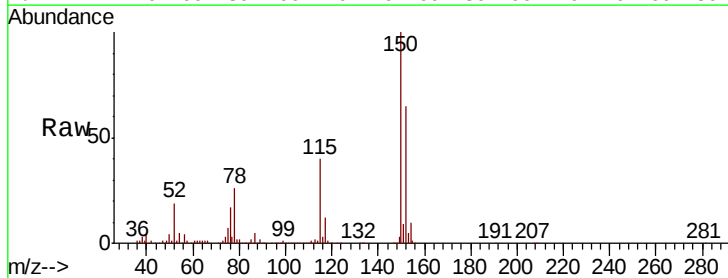
Tgt Ion:152 Resp: 179469

Ion Ratio Lower Upper

152 100

115 60.2 41.3 124.1

150 157.1 0.0 352.2



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

