

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\  
 Data File : VX009916.D  
 Acq On : 28 May 2019 15:46  
 Operator : JC/SP  
 Sample : K3032-04DL 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0652DL

Quant Time: May 29 04:42:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 29 04:00:56 2019  
 Response via : Initial Calibration

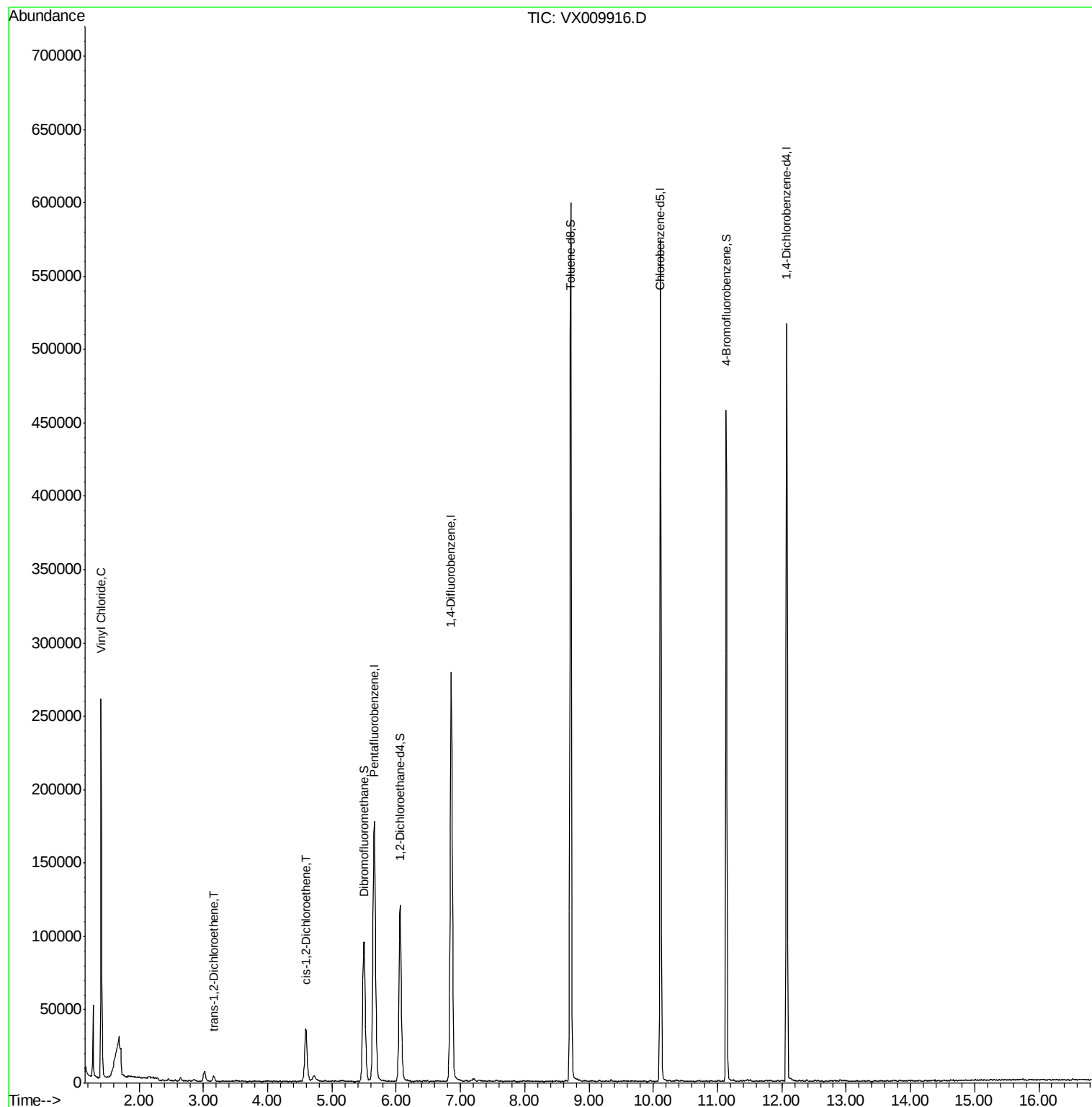
| Internal Standards           | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene        | 5.66  | 168  | 170128   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.85  | 114  | 269628   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 10.11 | 117  | 245571   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.08 | 152  | 106022   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds  |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4    | 6.06  | 65   | 113368   | 47.17  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 94.34%  |          |
| 35) Dibromofluoromethane     | 5.50  | 113  | 81526    | 48.09  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 96.18%  |          |
| 50) Toluene-d8               | 8.71  | 98   | 345276   | 50.16  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 100.32% |          |
| 62) 4-Bromofluorobenzene     | 11.13 | 95   | 115318   | 46.64  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 93.28%  |          |
| Target Compounds             |       |      |          |        |         |          |
| 4) Vinyl Chloride            | 1.41  | 62   | 179383   | 71.199 | ug/l    | 100      |
| 21) trans-1,2-Dichloroethene | 3.16  | 96   | 1223     | 0.638  | ug/l    | 87       |
| 27) cis-1,2-Dichloroethene   | 4.59  | 96   | 20911    | 9.450  | ug/l    | 93       |

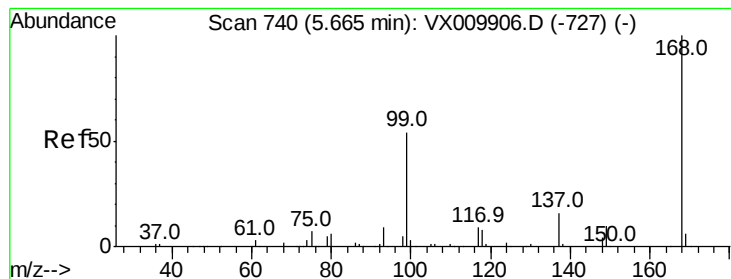
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampled :  
S32-0652DL

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QLast Update : Wed May 29 04:00:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009916.D

Acq: 28 May 2019 15:46

Instrument :

MSVOA\_X

ClientSampleId :

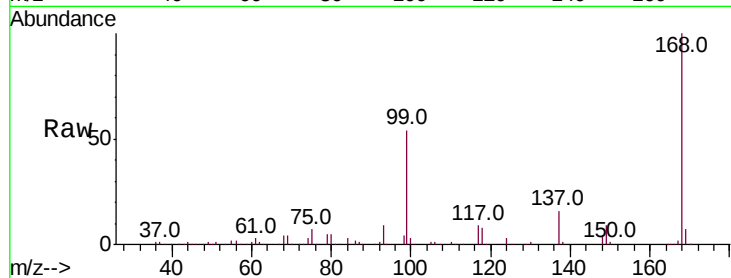
S32-0652DL

Tot Ion:168 Resp: 170128

Ion Ratio Lower Upper

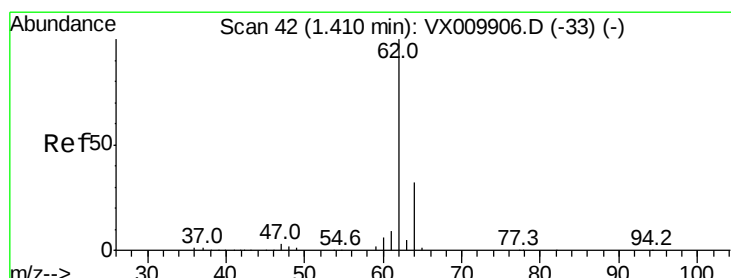
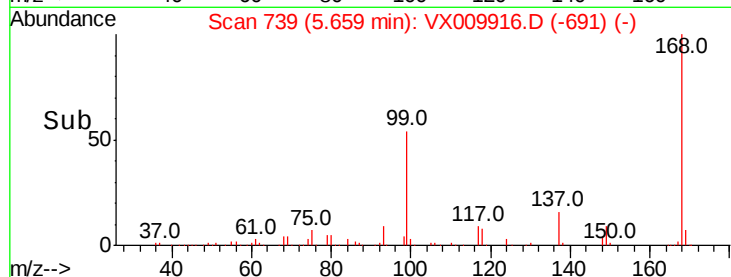
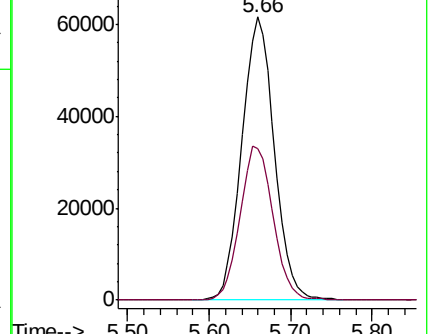
168 100

99 53.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 71.199 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009916.D

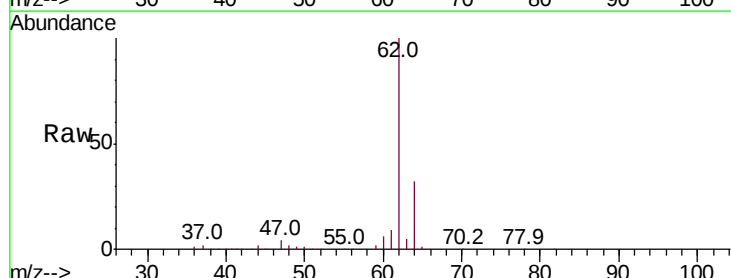
Acq: 28 May 2019 15:46

Tgt Ion: 62 Resp: 179383

Ion Ratio Lower Upper

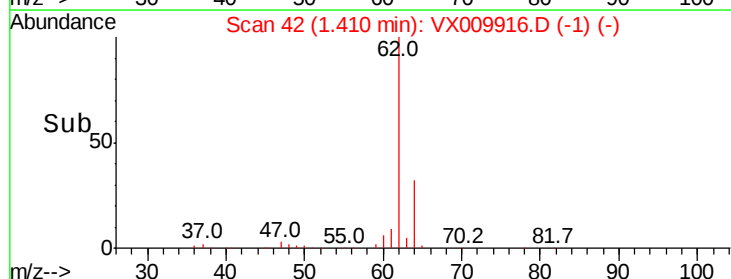
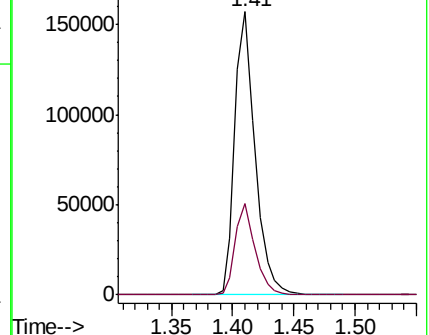
62 100

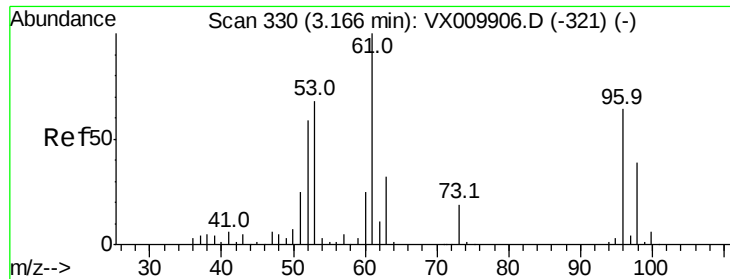
64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.638 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009916.D

Acq: 28 May 2019 15:46

Instrument :

MSVOA\_X

ClientSampled :

S32-0652DL

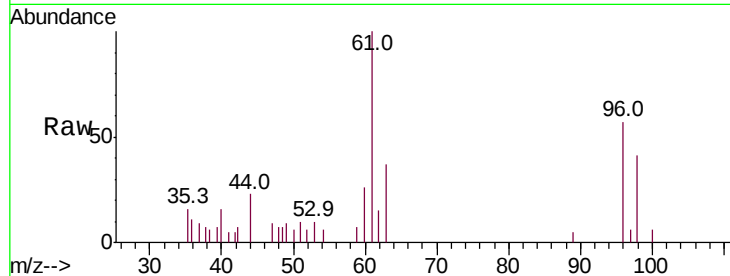
Tot Ion: 96 Resp: 1223

Ion Ratio Lower Upper

96 100

61 174.0 125.7 188.5

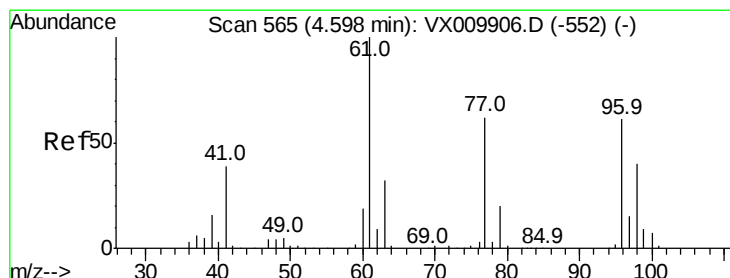
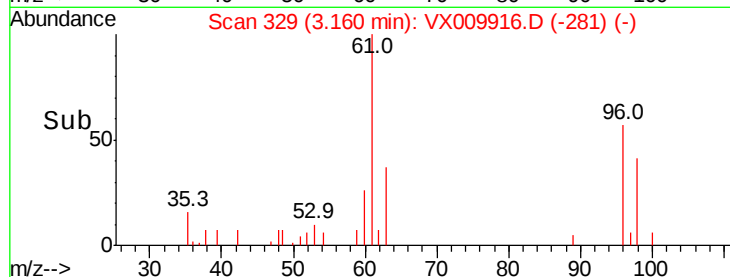
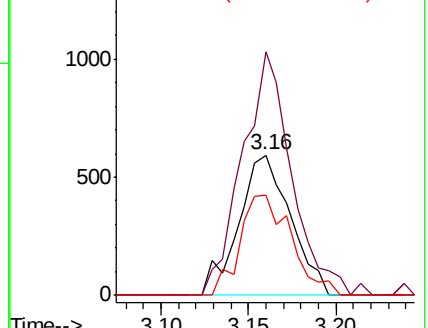
98 71.3 49.0 73.6



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: 9.450 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009916.D

Acq: 28 May 2019 15:46

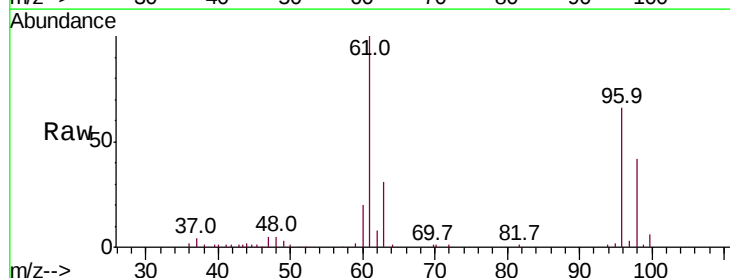
Tgt Ion: 96 Resp: 20911

Ion Ratio Lower Upper

96 100

61 154.9 0.0 334.0

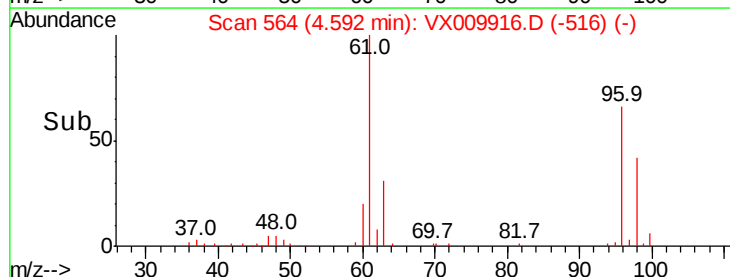
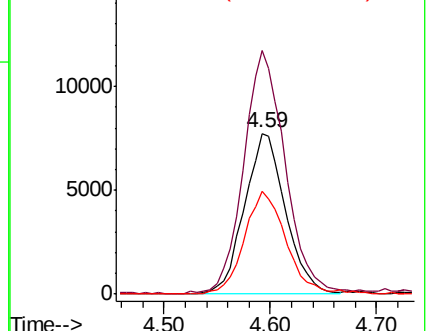
98 65.1 0.0 131.6

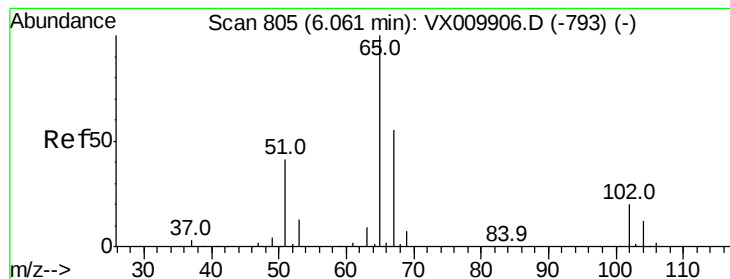


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.174 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009916.D

Acq: 28 May 2019 15:46

Instrument :

MSVOA\_X

ClientSampleId :

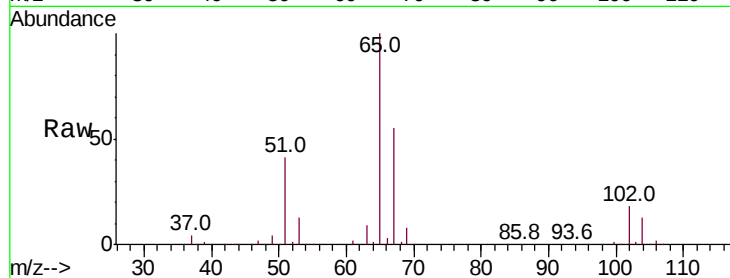
S32-0652DL

Tot Ion: 65 Resp: 113368

Ion Ratio Lower Upper

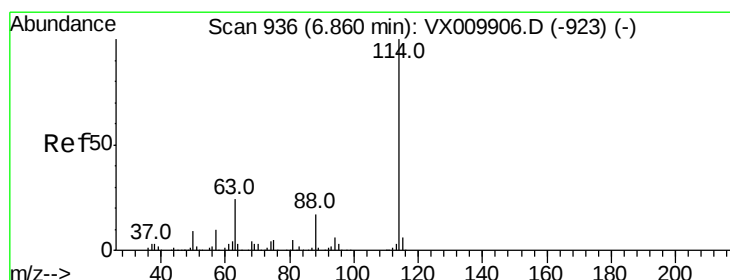
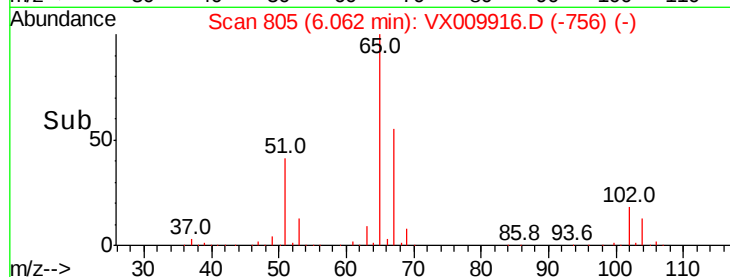
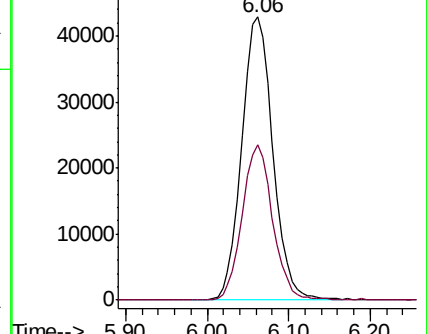
65 100

67 53.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009916.D

Acq: 28 May 2019 15:46

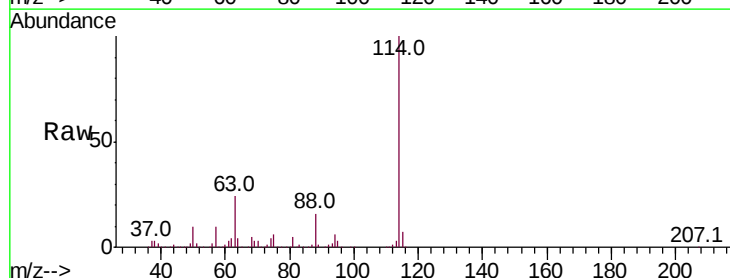
Tgt Ion: 114 Resp: 269628

Ion Ratio Lower Upper

114 100

63 24.0 0.0 47.4

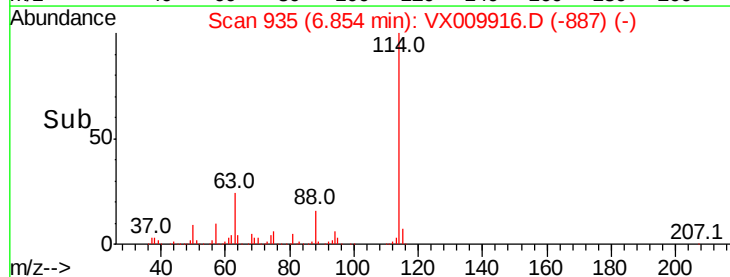
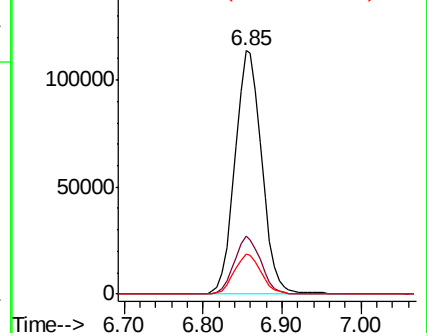
88 16.4 0.0 33.0

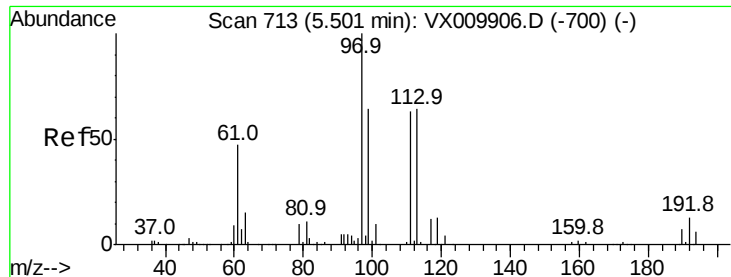


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

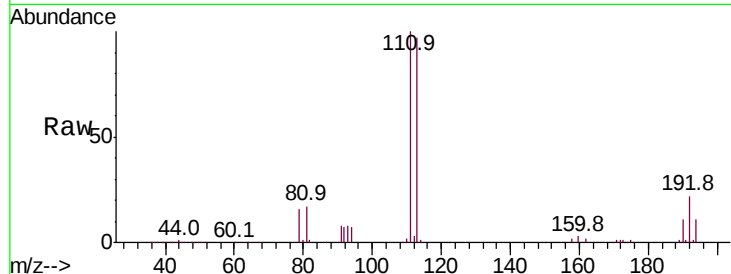




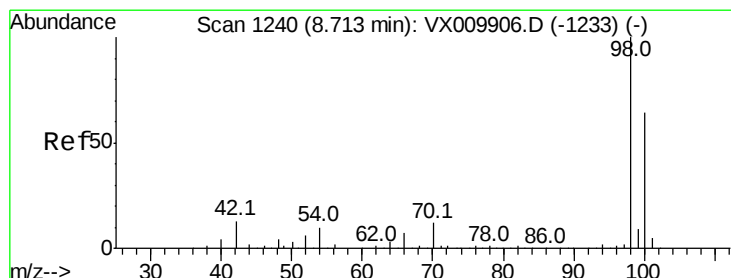
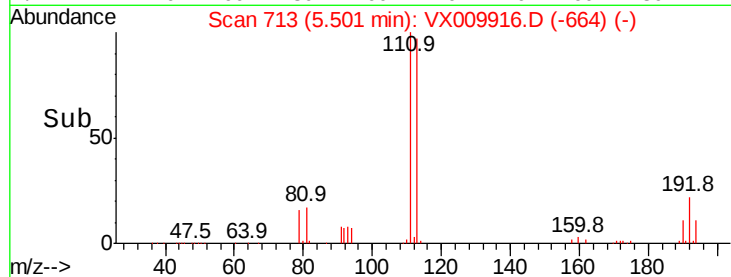
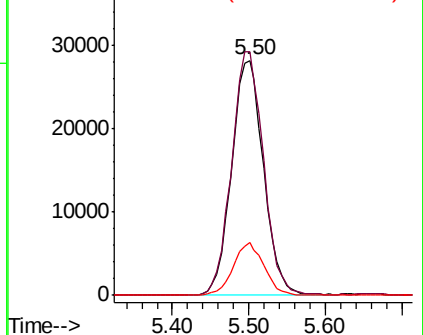
#35  
 Dibromofluoromethane  
 Concen: 48.093 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX009916.D  
 Acq: 28 May 2019 15:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0652DL

Tot Ion:113 Resp: 81526  
 Ion Ratio Lower Upper  
 113 100  
 111 103.3 82.2 123.2  
 192 21.6 17.1 25.7

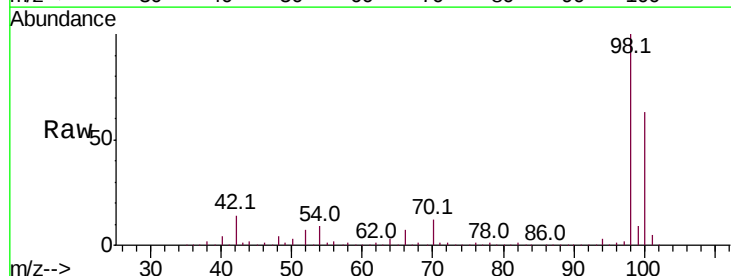


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

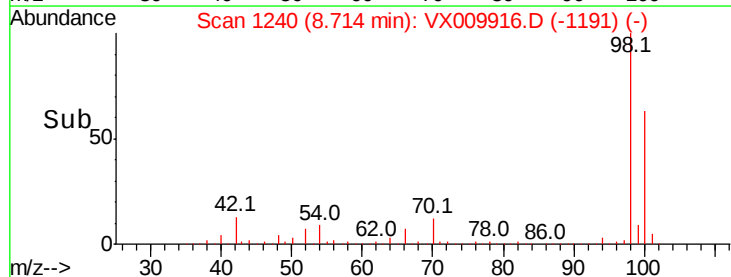
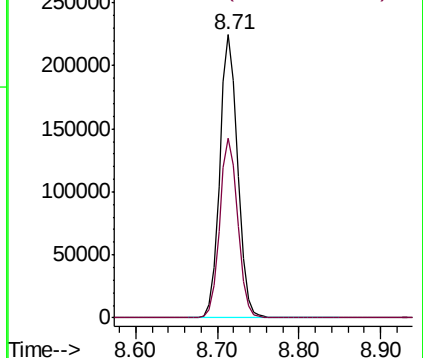


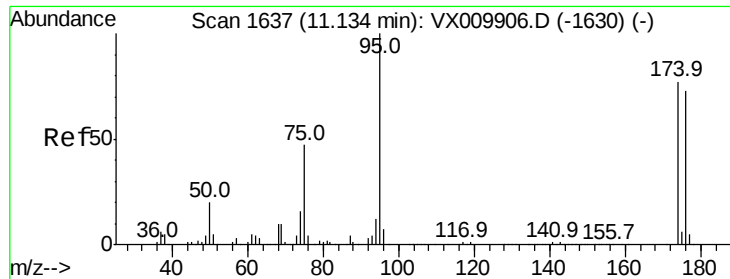
#50  
 Toluene-d8  
 Concen: 50.159 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX009916.D  
 Acq: 28 May 2019 15:46

Tgt Ion: 98 Resp: 345276  
 Ion Ratio Lower Upper  
 98 100  
 100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.640 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009916.D

Acq: 28 May 2019 15:46

Instrument :

MSVOA\_X

ClientSampleId :

S32-0652DL

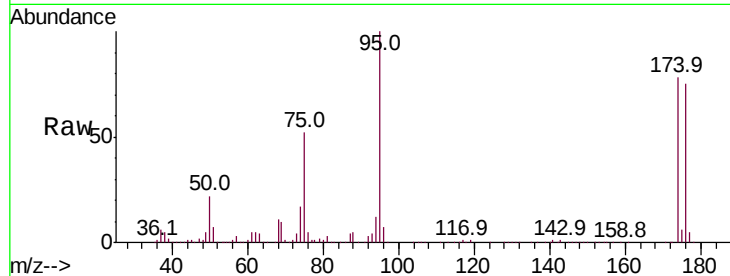
Tot Ion: 95 Resp: 115318

Ion Ratio Lower Upper

95 100

174 82.0 0.0 160.4

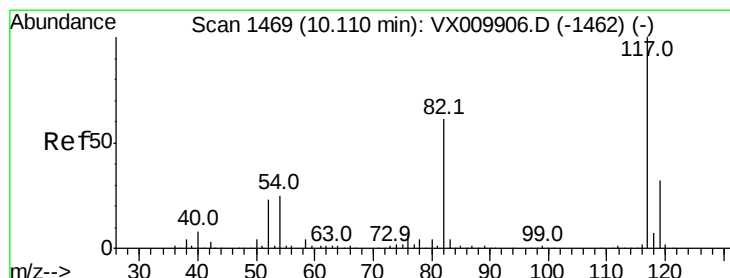
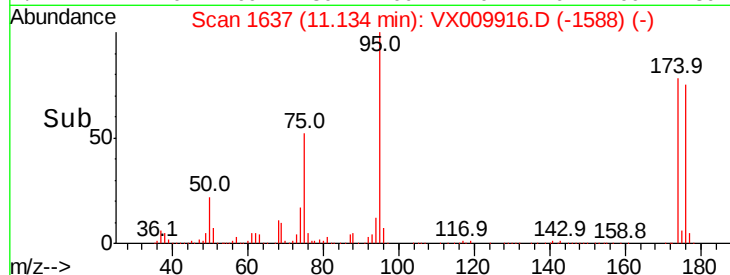
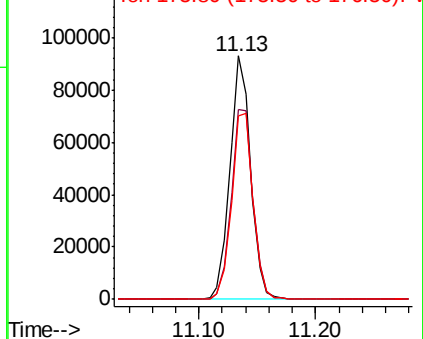
176 79.6 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009916.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009916.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009916.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009916.D

Acq: 28 May 2019 15:46

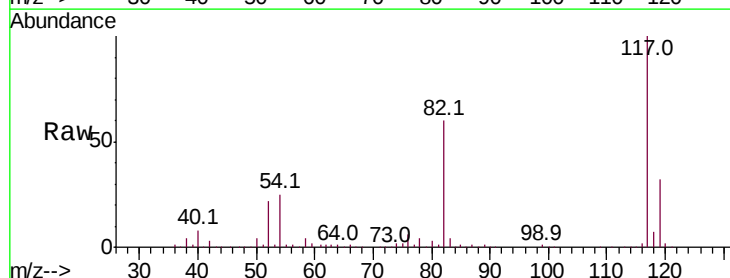
Tgt Ion: 117 Resp: 245571

Ion Ratio Lower Upper

117 100

82 59.8 49.2 73.8

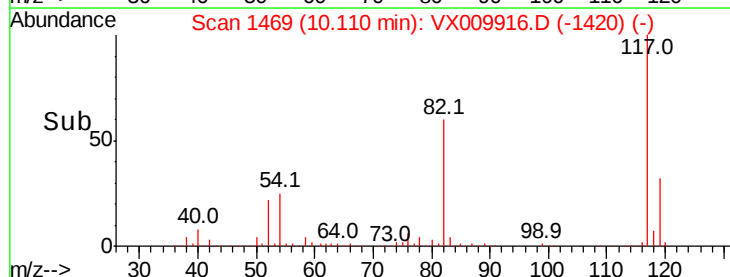
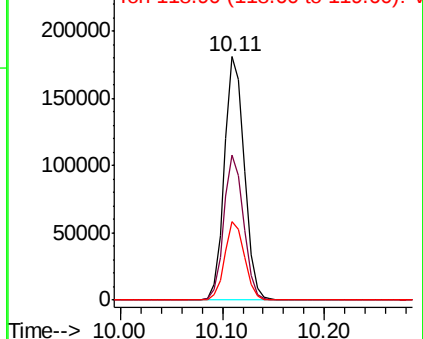
119 32.1 25.2 37.8

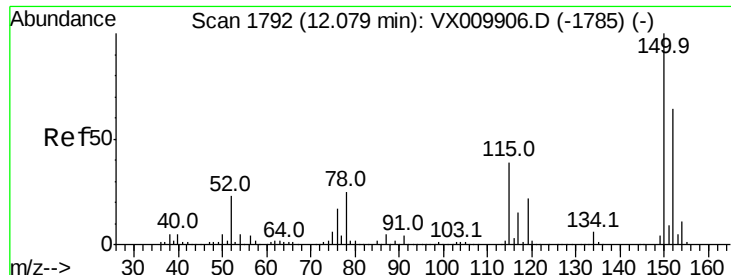


Abundance Ion 116.90 (116.60 to 117.60): VX009916.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009916.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009916.D (-1420) (-)

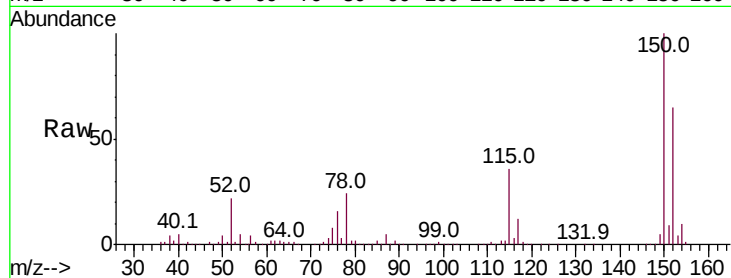




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX009916.D  
 Acq: 28 May 2019 15:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0652DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.0  | 41.4  | 124.2 |
| 150     | 154.6 | 0.0   | 345.2 |



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

