

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\  
 Data File : VX013406.D  
 Acq On : 13 Nov 2019 14:44  
 Operator : JC/SP  
 Sample : K5802-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0677

Quant Time: Nov 14 09:43:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

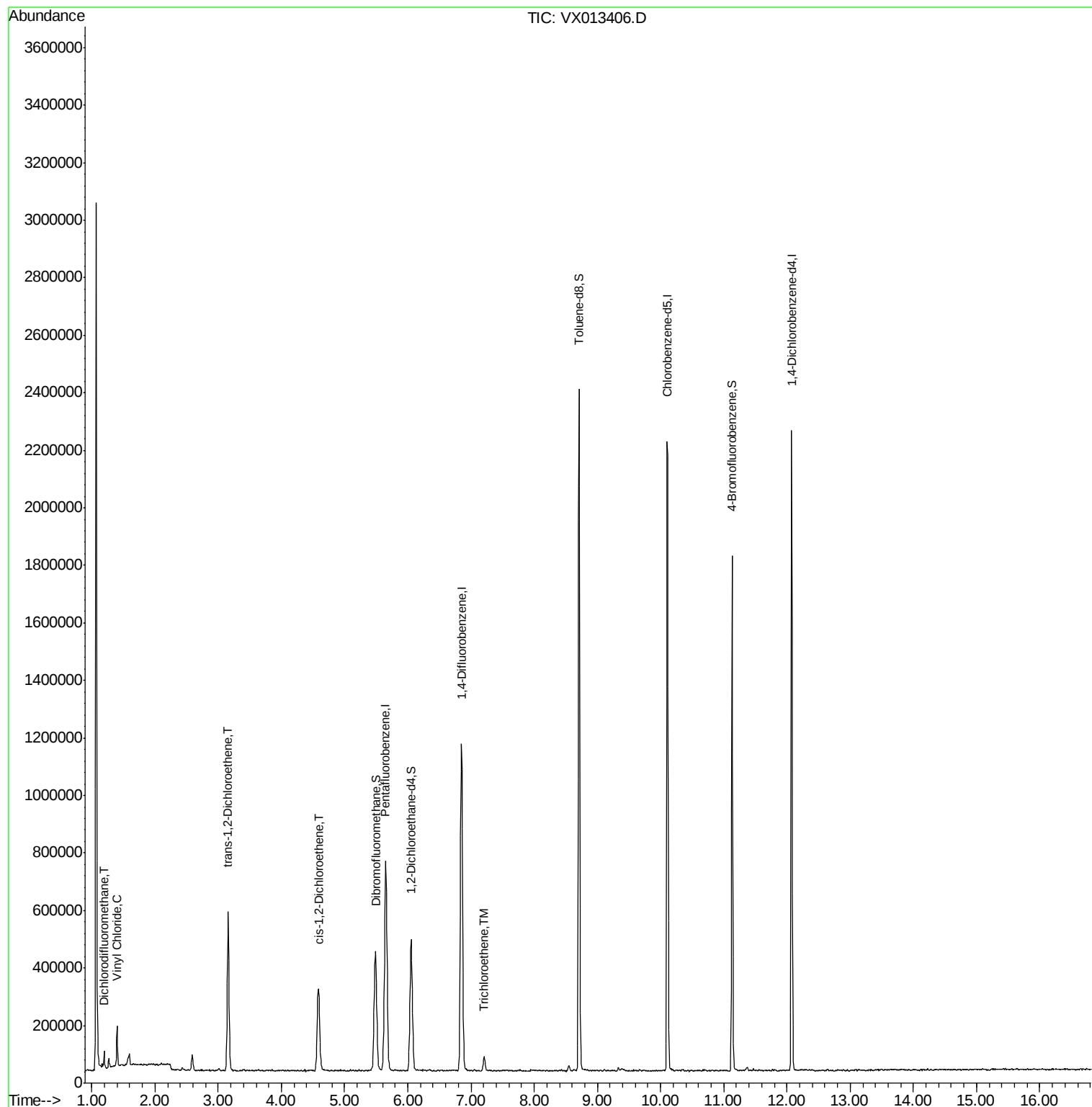
| Internal Standards           | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene        | 5.65  | 168  | 755736   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.85  | 114  | 1183949  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 10.11 | 117  | 1046982  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.07 | 152  | 466159   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds  |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4    | 6.05  | 65   | 432165   | 48.27  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 96.54%  |          |
| 35) Dibromofluoromethane     | 5.49  | 113  | 360879   | 48.60  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 97.20%  |          |
| 50) Toluene-d8               | 8.71  | 98   | 1408712  | 50.32  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 100.64% |          |
| 62) 4-Bromofluorobenzene     | 11.14 | 95   | 469849   | 46.50  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 93.00%  |          |
| Target Compounds             |       |      |          |        |         |          |
|                              |       |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.19  | 85   | 31395    | 3.605  | ug/l    | 98       |
| 4) Vinyl Chloride            | 1.40  | 62   | 85211    | 7.926  | ug/l    | 99       |
| 21) trans-1,2-Dichloroethene | 3.16  | 96   | 234567   | 31.077 | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene   | 4.59  | 96   | 190180   | 22.492 | ug/l    | 90       |
| 44) Trichloroethene          | 7.21  | 130  | 21143    | 2.428  | ug/l    | 99       |

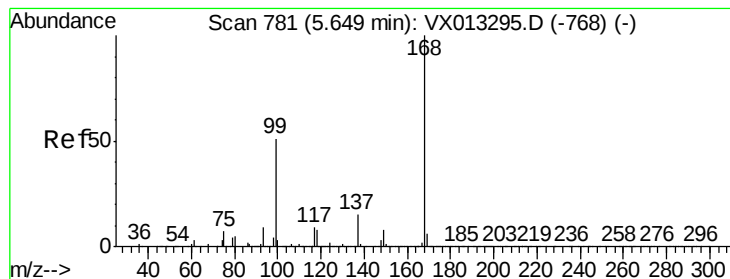
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111319\  
Data File : VX013406.D  
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MSVOA\_X  
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S32-0677

Quant Time: Nov 14 09:43:15 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 02 07:06:38 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA\_X

ClientSampleId :

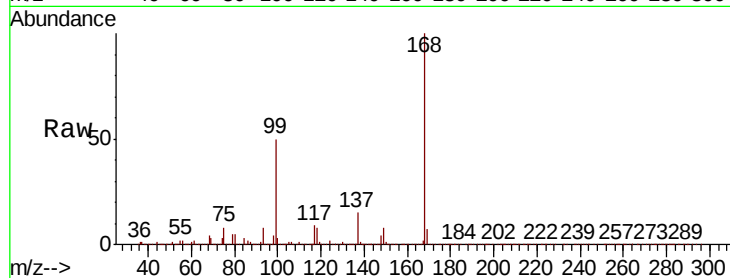
S32-0677

Tot Ion:168 Resp: 755736

Ion Ratio Lower Upper

168 100

99 49.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

300000

250000

200000

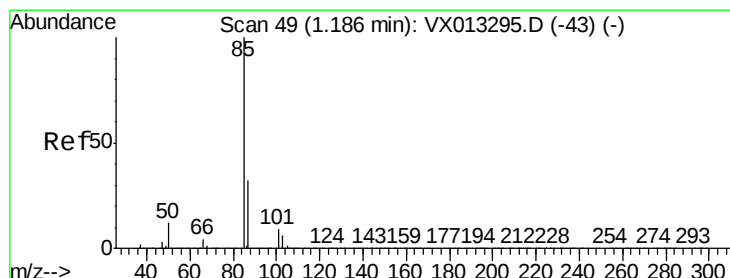
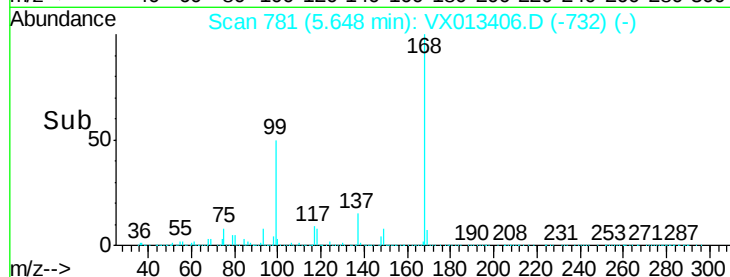
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.605 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013406.D

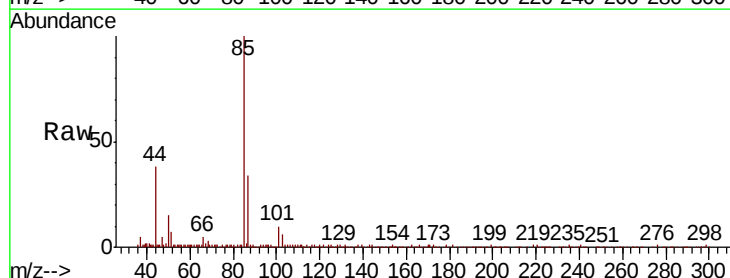
Acq: 13 Nov 2019 14:44

Tgt Ion: 85 Resp: 31395

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

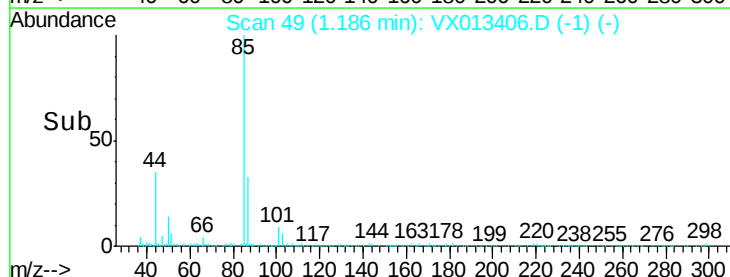
30000

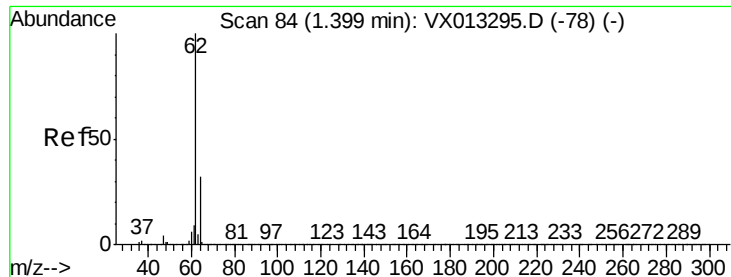
20000

10000

0

Time-->





#4

Vinyl Chloride

Concen: 7.926 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA\_X

ClientSampleId :

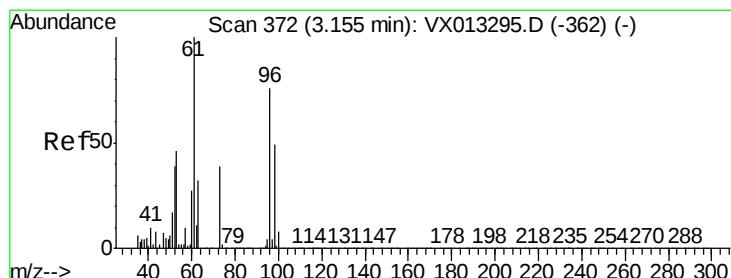
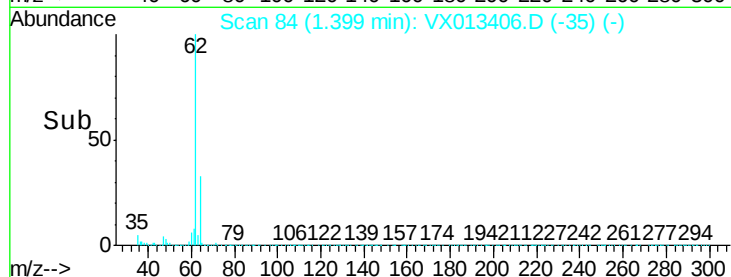
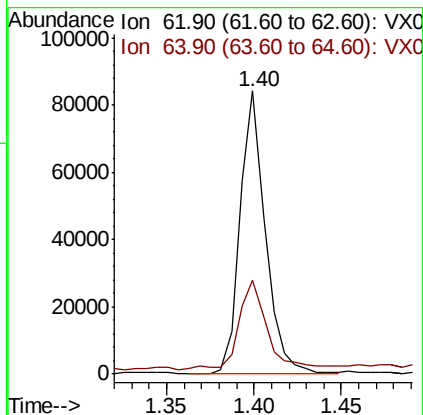
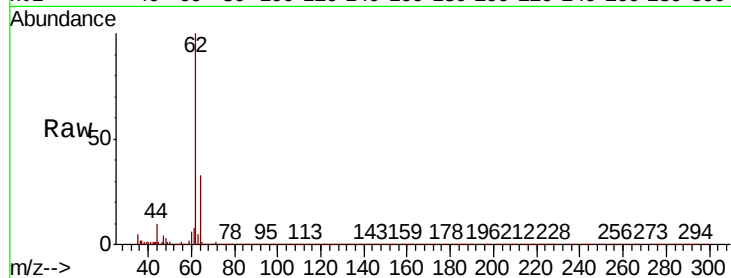
S32-0677

Tot Ion: 62 Resp: 85211

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4



#21

trans-1,2-Dichloroethene

Concen: 31.077 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

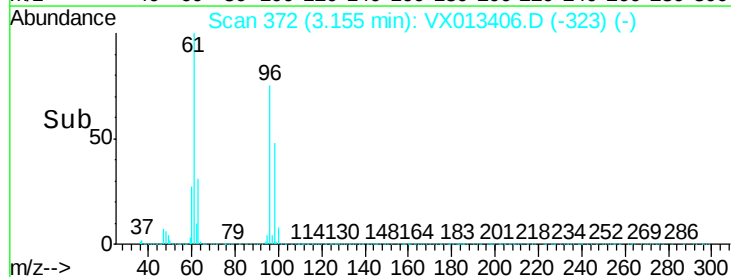
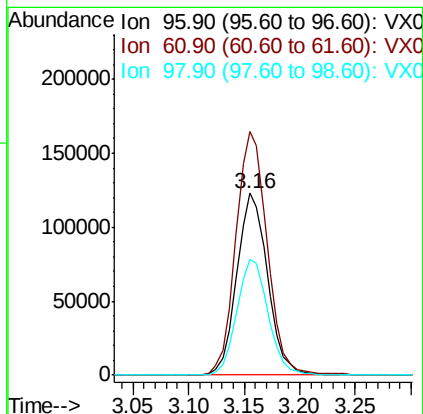
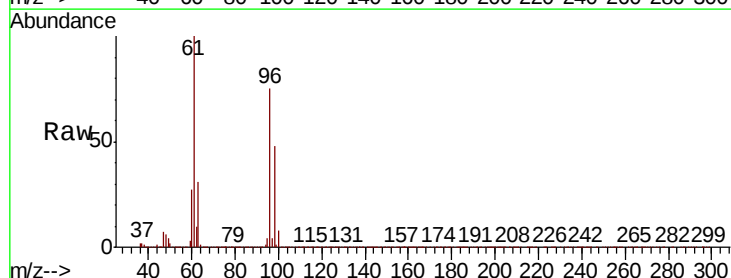
Tgt Ion: 96 Resp: 234567

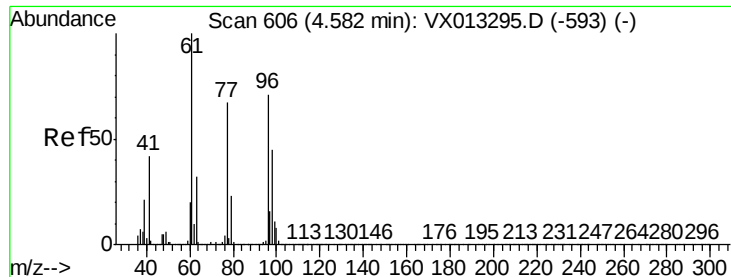
Ion Ratio Lower Upper

96 100

61 133.9 105.8 158.6

98 63.7 51.8 77.6



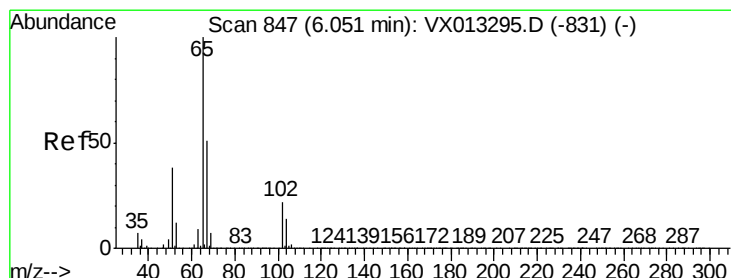
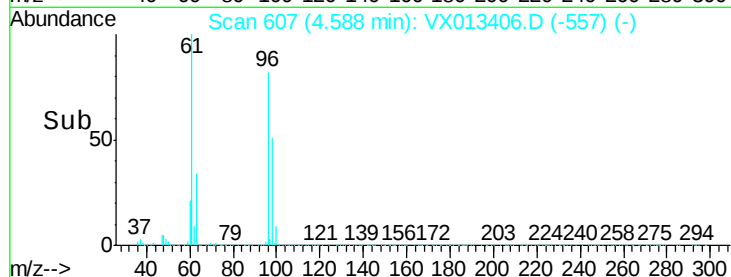
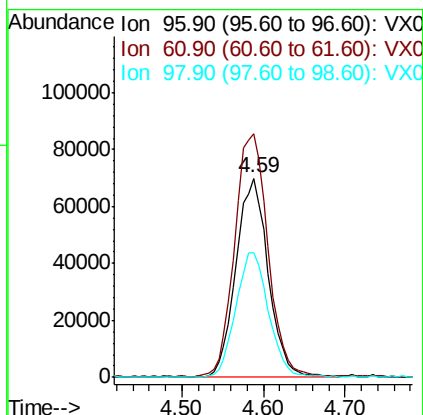
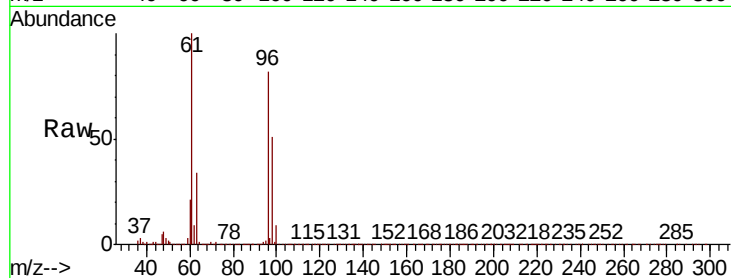


#27

cis-1,2-Dichloroethene  
Concen: 22.492 ug/l  
RT: 4.59 min Scan# 607  
Delta R.T. 0.01 min  
Lab File: VX013406.D  
Acq: 13 Nov 2019 14:44

Instrument :  
MSVOA\_X  
ClientSampled :  
S32-0677

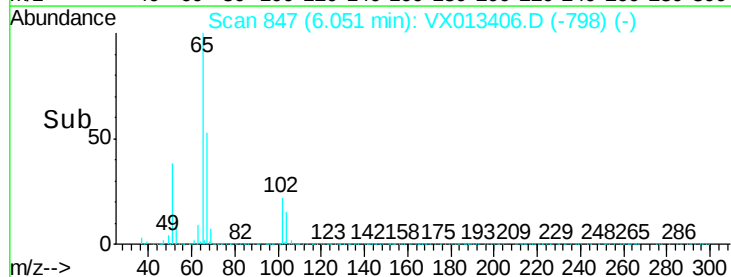
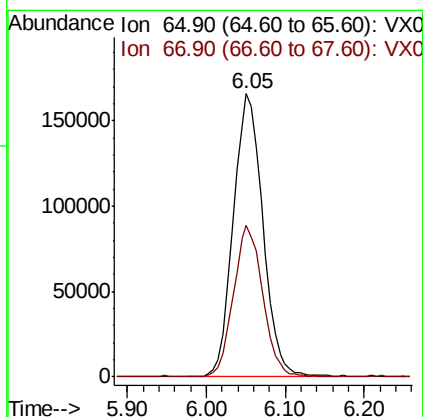
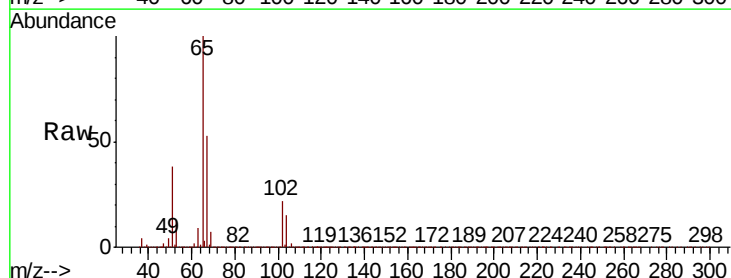
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 126.9 | 0.0   | 288.0 |
| 98      | 63.9  | 0.0   | 129.6 |

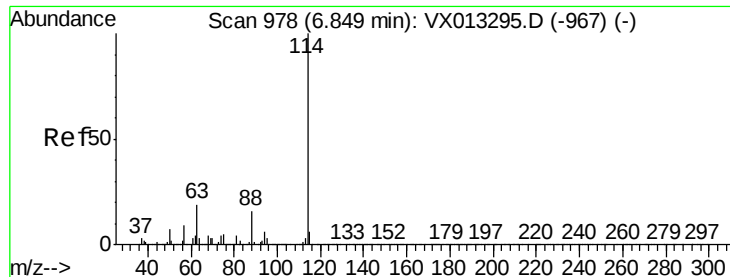


#33

1,2-Dichloroethane-d4  
Concen: 48.269 ug/l  
RT: 6.05 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: VX013406.D  
Acq: 13 Nov 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.5  | 0.0   | 104.2 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA\_X

ClientSampleId :

S32-0677

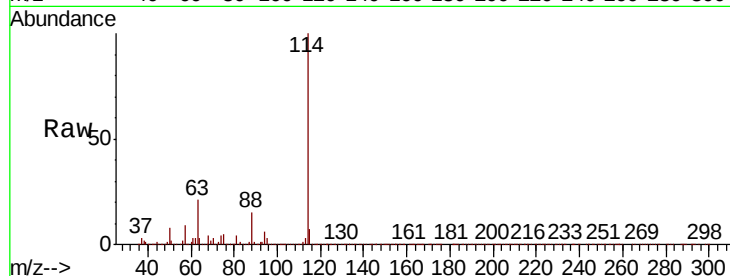
Tot Ion:114 Resp: 1183949

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.4

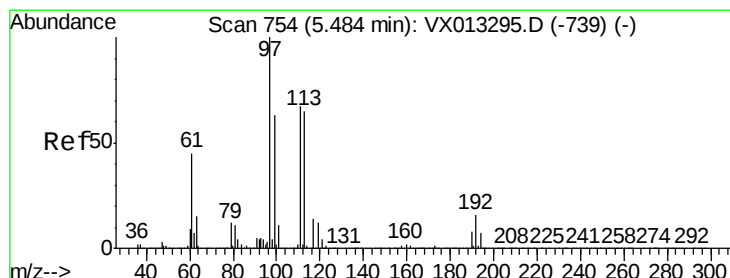
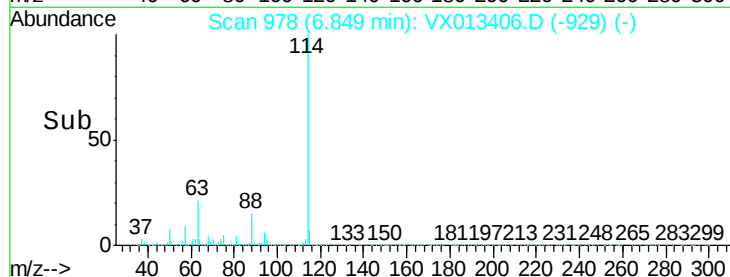
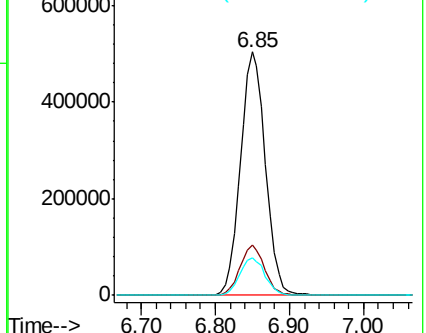
88 15.4 0.0 32.2



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: 48.597 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

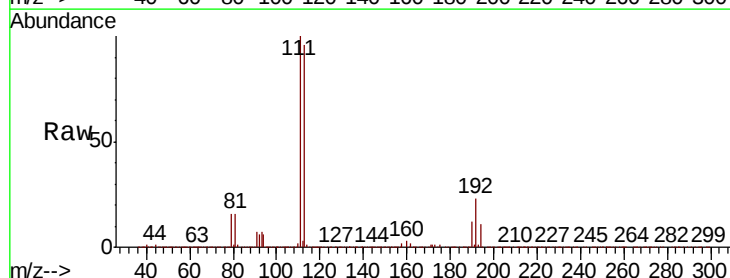
Tgt Ion:113 Resp: 360879

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

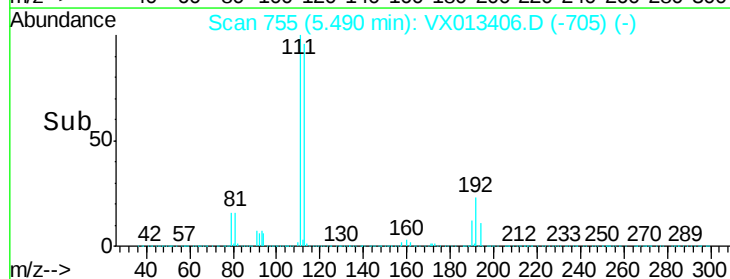
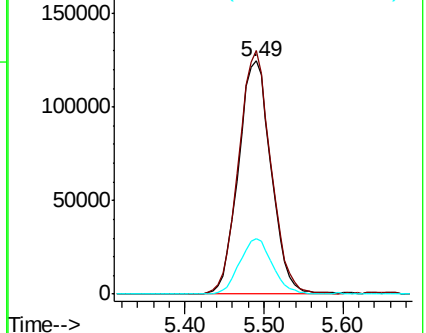
192 23.5 19.1 28.7

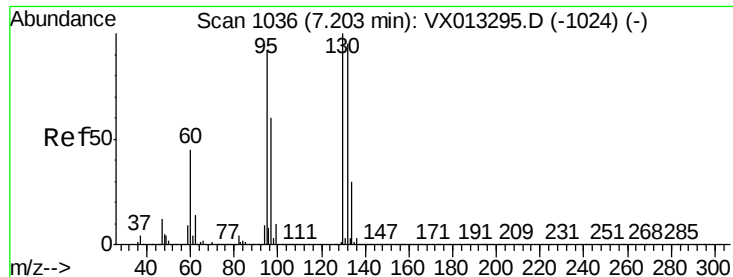


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 2.428 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA\_X

ClientSampled :

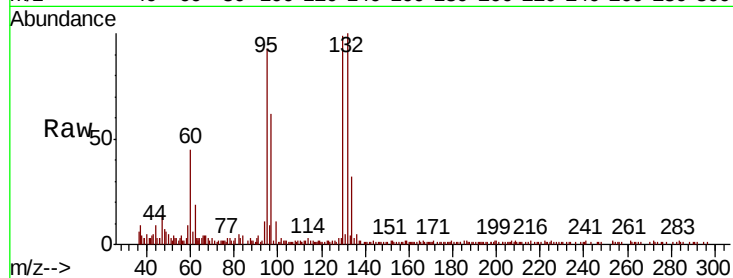
S32-0677

Tot Ion:130 Resp: 21143

Ion Ratio Lower Upper

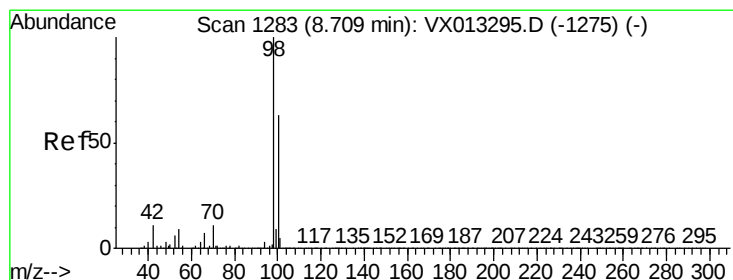
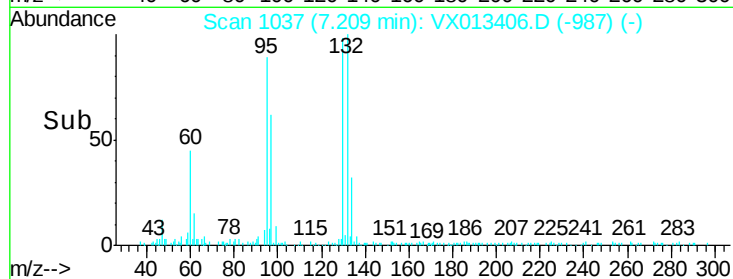
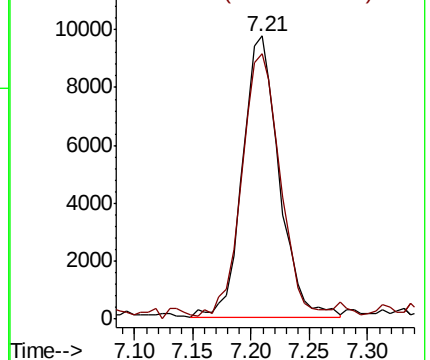
130 100

95 93.3 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.321 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013406.D

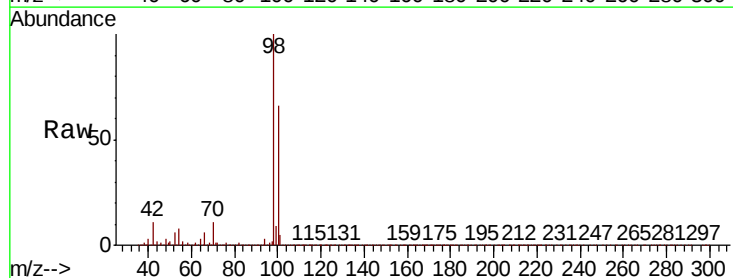
Acq: 13 Nov 2019 14:44

Tgt Ion: 98 Resp: 1408712

Ion Ratio Lower Upper

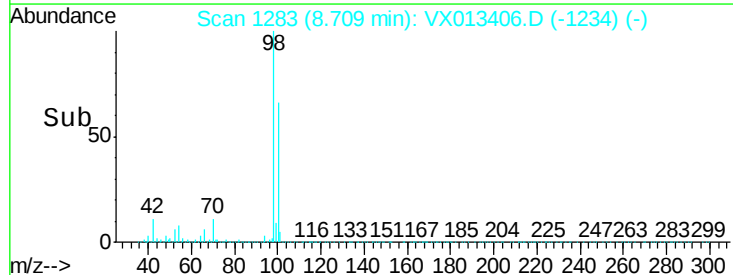
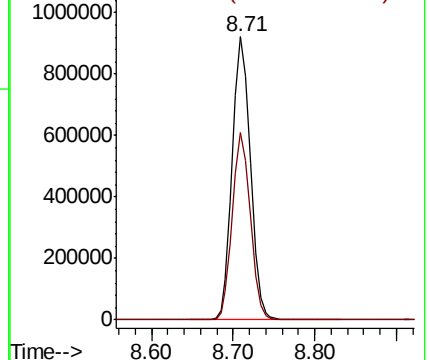
98 100

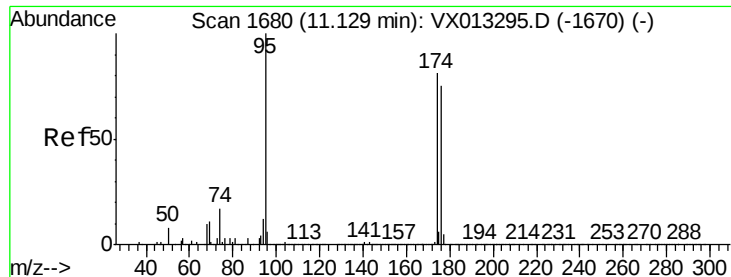
100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

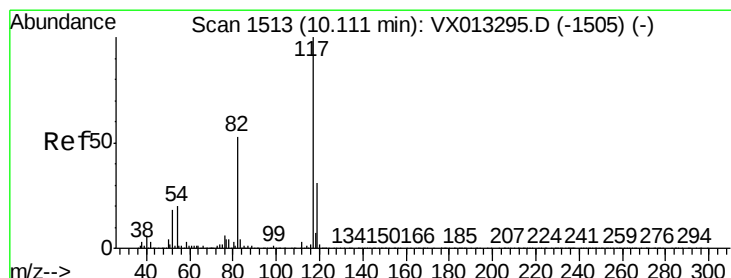
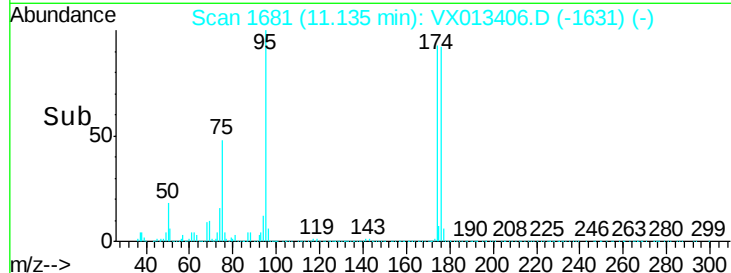
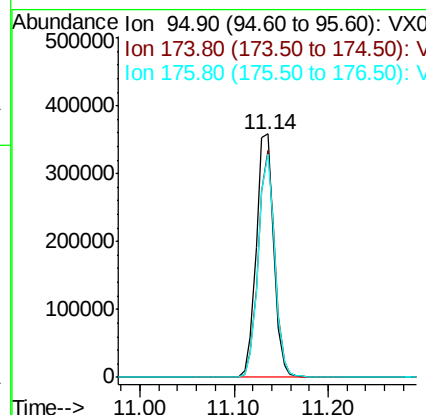
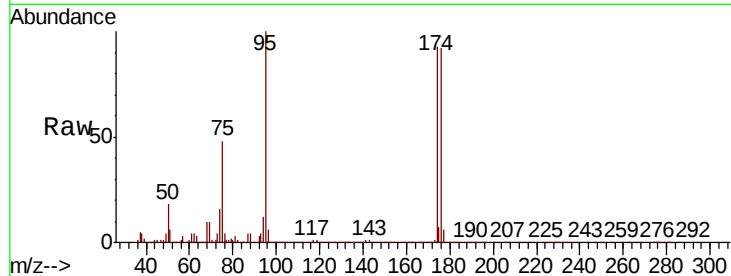




#62  
4-Bromofluorobenzene  
Concen: 46.504 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VX013406.D  
Acq: 13 Nov 2019 14:44

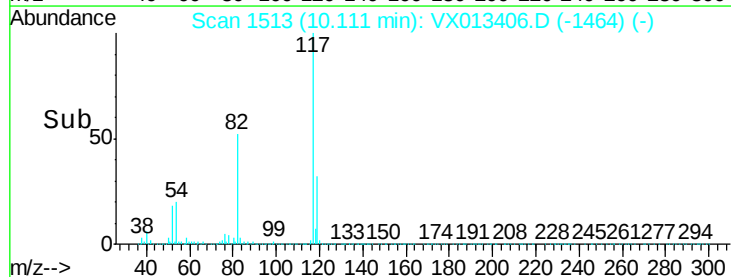
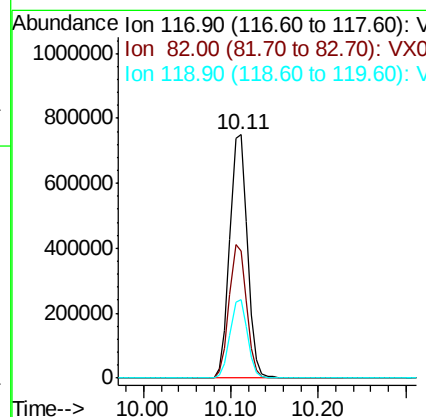
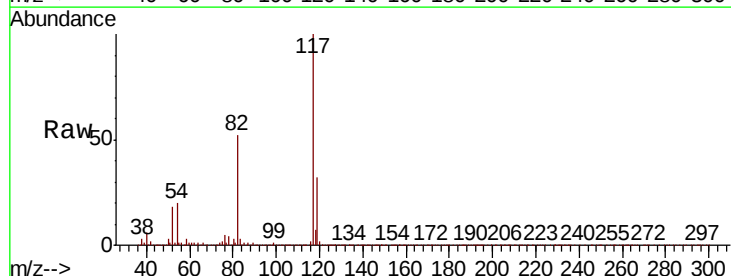
Instrument :  
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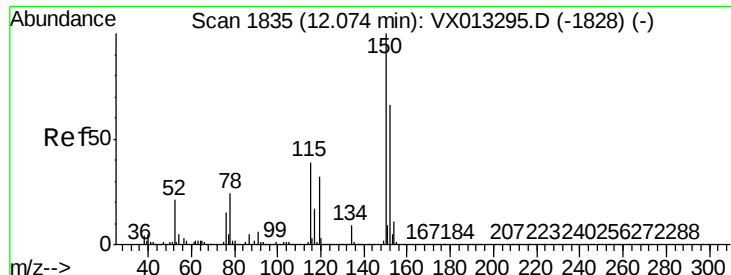
Tot Ion: 95 Resp: 469849  
Ion Ratio Lower Upper  
95 100  
174 88.6 0.0 179.8  
176 87.4 0.0 173.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013406.D  
Acq: 13 Nov 2019 14:44

Tgt Ion: 117 Resp: 1046982  
Ion Ratio Lower Upper  
117 100  
82 52.0 42.6 64.0  
119 32.2 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA\_X

ClientSampleId :

S32-0677

Tot Ion:152 Resp: 466159

Ion Ratio Lower Upper

152 100

115 57.2 39.5 118.3

150 156.9 0.0 344.4

