

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\  
 Data File : VX016530.D  
 Acq On : 01 Jun 2020 15:44  
 Operator : JC/SP  
 Sample : L2801-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW608-200528

Quant Time: Jun 02 01:48:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 16:31:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 262644   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 426029   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 424861   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 224954   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 155340   | 47.63 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.26%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 123881   | 47.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.44%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 531962   | 52.10 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.20% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 220122   | 55.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.58% |          |

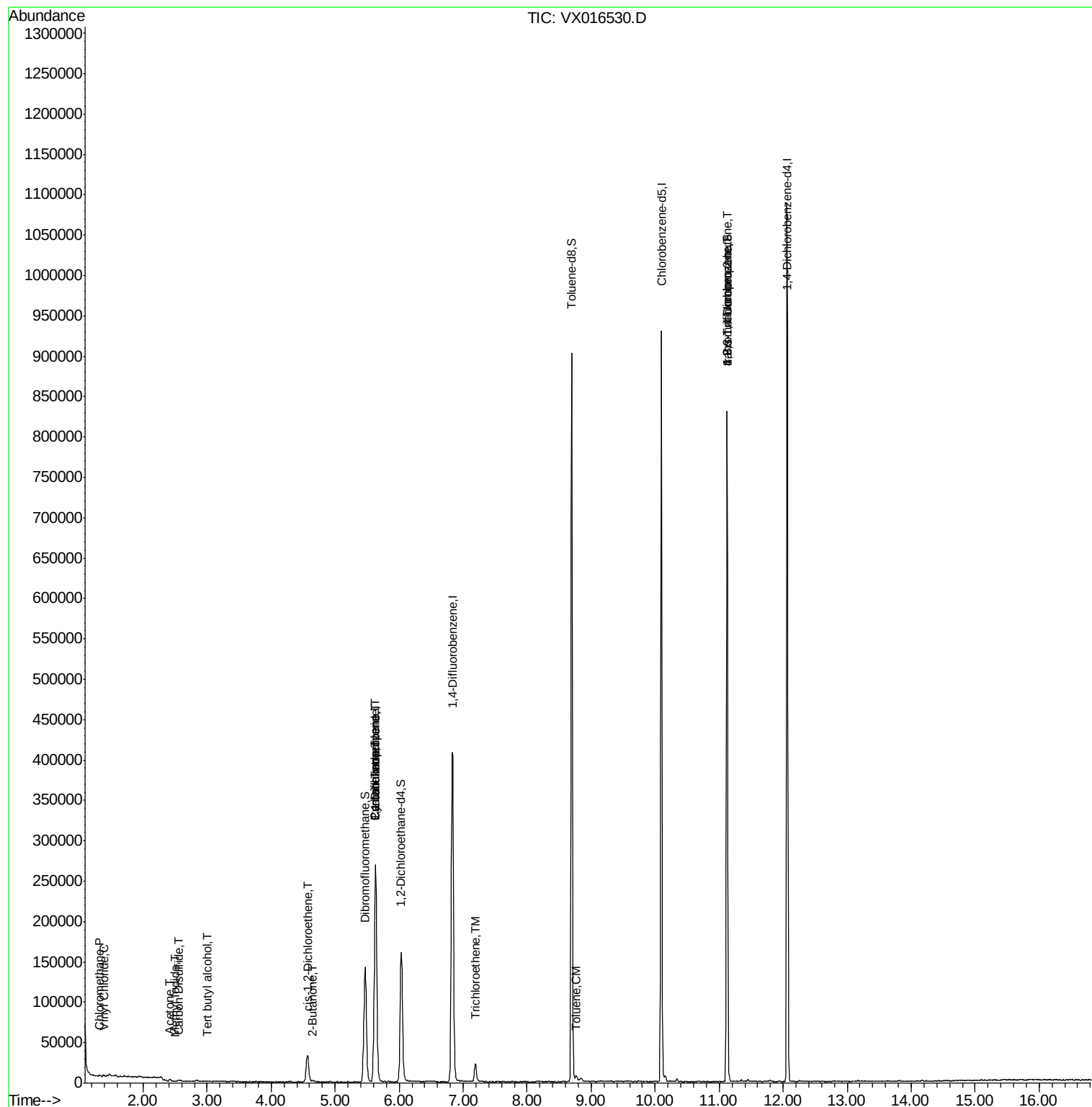
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane               | 1.31  | 50   | 1028     | 0.329  | ug/l # | 86     |
| 4) Vinyl Chloride              | 1.39  | 62   | 691      | 0.209  | ug/l   | 91     |
| 10) Methyl Iodide              | 2.50  | 142  | 23       | 3.063  | ug/l # | 40     |
| 11) Tert butyl alcohol         | 3.00  | 59   | 174      | 0.208  | ug/l # | 72     |
| 16) Acetone                    | 2.42  | 43   | 2292     | 1.604  | ug/l   | 96     |
| 17) Carbon Disulfide           | 2.55  | 76   | 1648     | 0.220  | ug/l # | 93     |
| 25) 2-Butanone                 | 4.65  | 43   | 802      | 0.331  | ug/l   | 94     |
| 27) cis-1,2-Dichloroethene     | 4.57  | 96   | 21516    | 6.653  | ug/l   | 92     |
| 31) Cyclohexane                | 5.63  | 56   | 4653     | 1.026  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.63  | 75   | 18652    | 4.624  | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 5.63  | 117  | 25023    | 5.903  | ug/l # | 17     |
| 44) Trichloroethene            | 7.19  | 130  | 7942     | 2.084  | ug/l   | 98     |
| 52) Toluene                    | 8.77  | 92   | 1897     | 0.250  | ug/l   | 92     |
| 76) 1,2,3-Trichloropropane     | 11.12 | 75   | 106549   | 21.549 | ug/l # | 35     |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75   | 106549   | 53.006 | ug/l # | 14     |

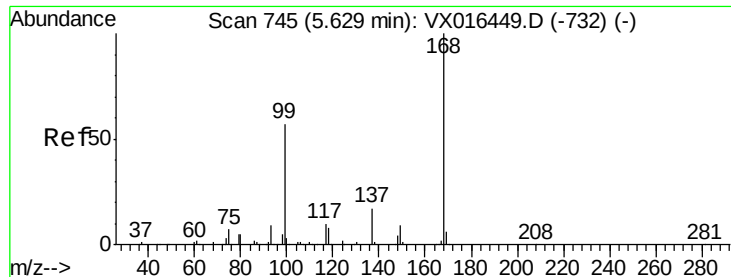
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060120\  
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Sample : L2801-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW608-200528

Quant Time: Jun 02 01:48:35 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 27 16:31:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016530.D

Acq: 01 Jun 2020 15:44

Instrument :

MSVOA\_X

ClientSampleId :

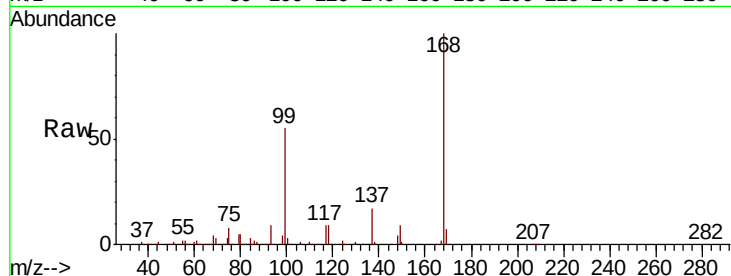
SS050MW608-200528

Tot Ion:168 Resp: 262644

Ion Ratio Lower Upper

168 100

99 55.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

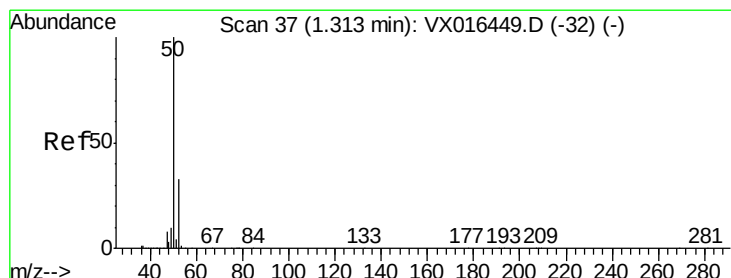
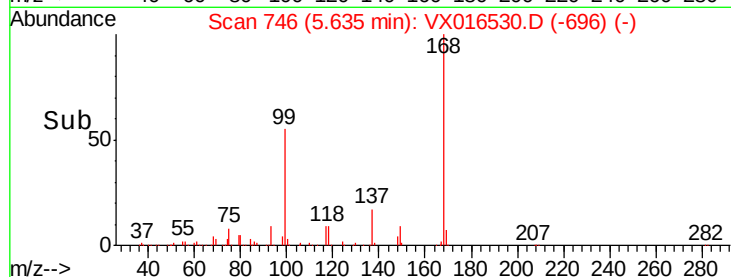
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.329 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016530.D

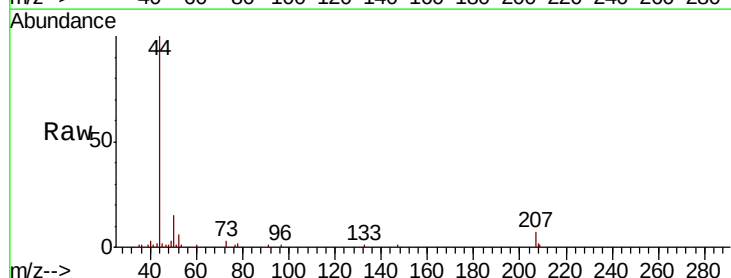
Acq: 01 Jun 2020 15:44

Tgt Ion: 50 Resp: 1028

Ion Ratio Lower Upper

50 100

52 40.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

800

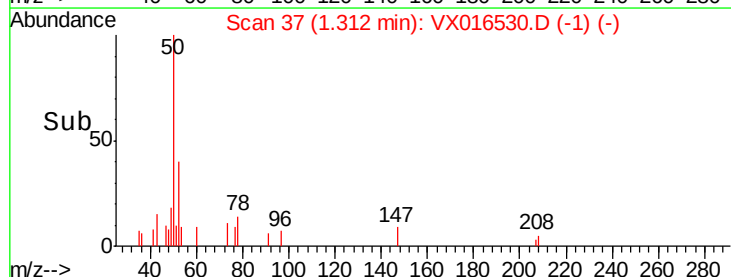
600

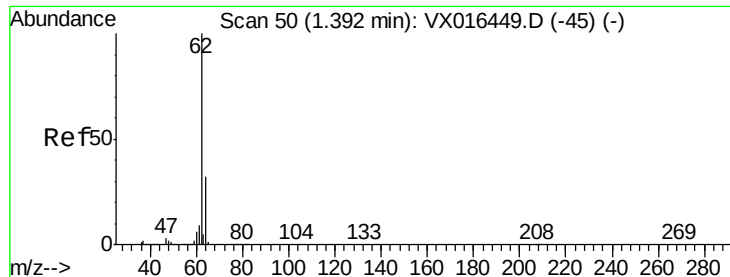
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.209 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016530.D

Acq: 01 Jun 2020 15:44

Instrument :

MSVOA\_X

ClientSampleId :

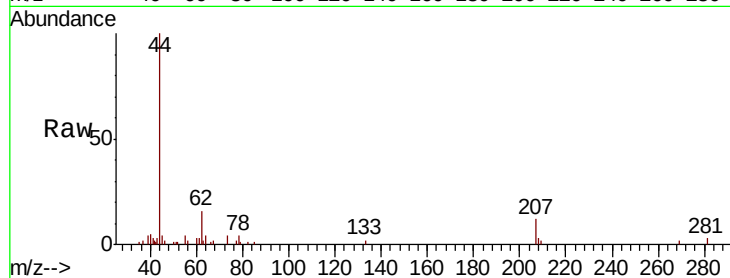
SS050MW608-200528

Tot Ion: 62 Resp: 691

Ion Ratio Lower Upper

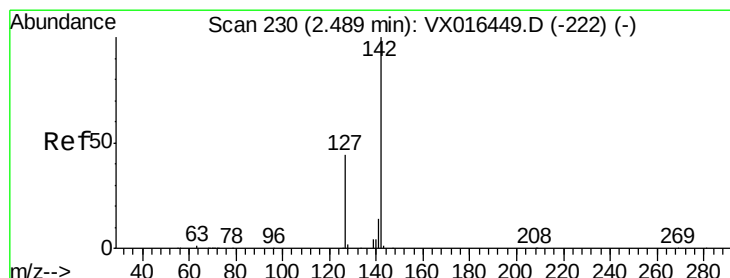
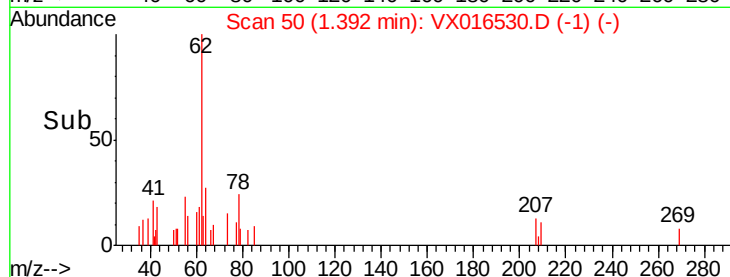
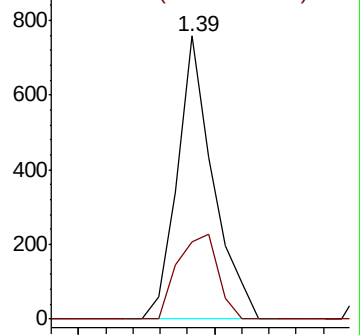
62 100

64 27.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#10

Methyl Iodide

Concen: 3.063 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016530.D

Acq: 01 Jun 2020 15:44

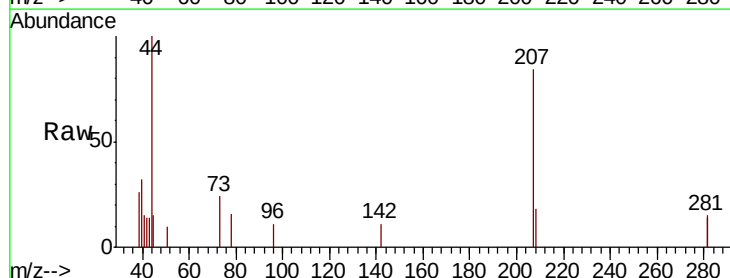
Tgt Ion: 142 Resp: 23

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

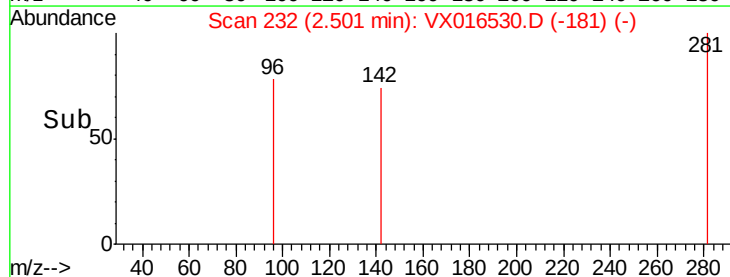
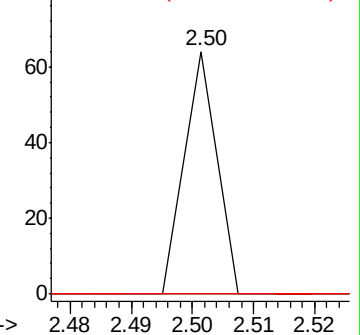
141 0.0 11.4 17.2#

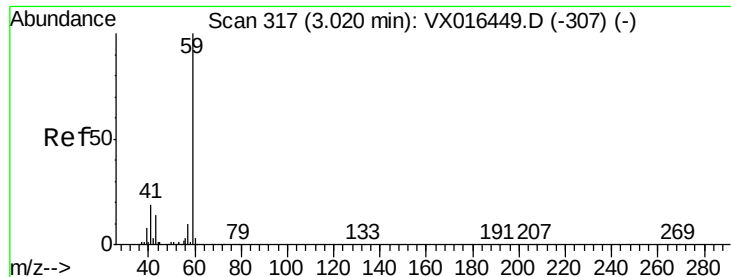


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



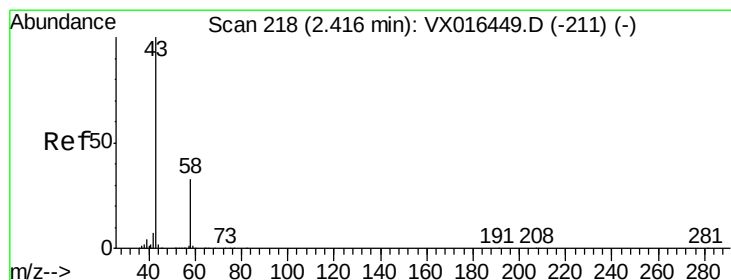
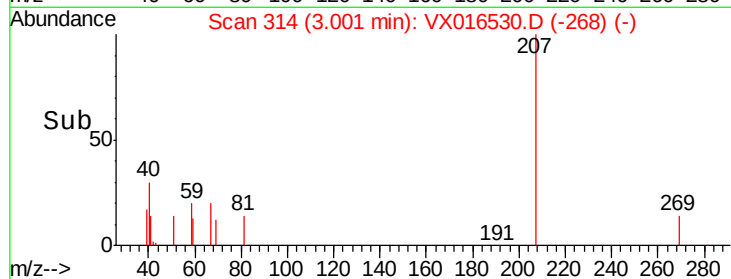
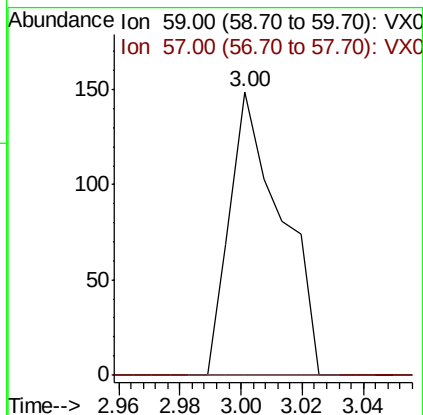
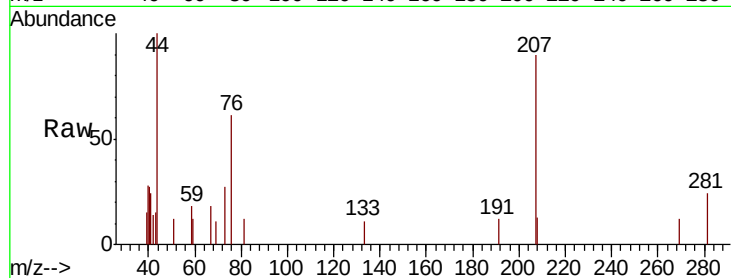


#11

Tert butyl alcohol  
 Concen: 0.208 ug/l  
 RT: 3.00 min Scan# 314  
 Delta R.T. -0.02 min  
 Lab File: VX016530.D  
 Acq: 01 Jun 2020 15:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW608-200528

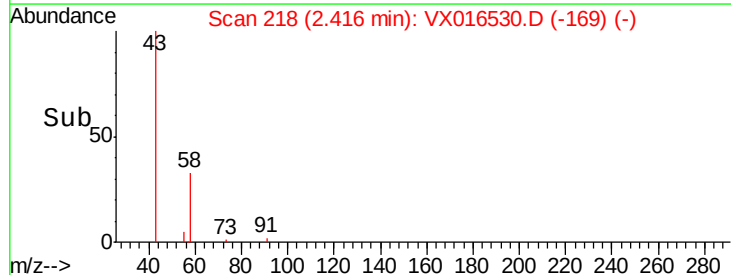
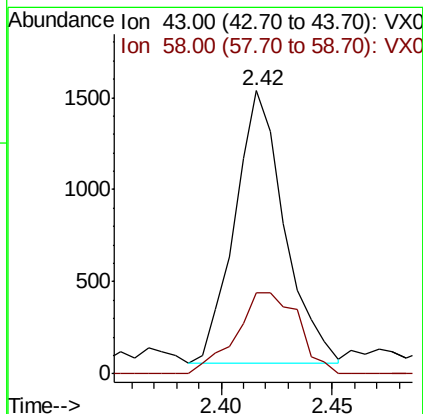
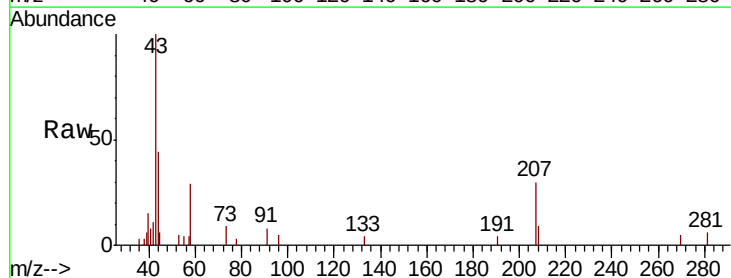
Tot Ion: 59 Resp: 174  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.2 12.4#

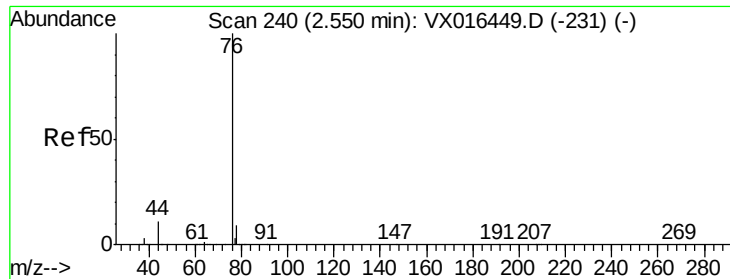


#16

Acetone  
 Concen: 1.604 ug/l  
 RT: 2.42 min Scan# 218  
 Delta R.T. -0.00 min  
 Lab File: VX016530.D  
 Acq: 01 Jun 2020 15:44

Tgt Ion: 43 Resp: 2292  
 Ion Ratio Lower Upper  
 43 100  
 58 30.1 26.1 39.1





#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016530.D

Acq: 01 Jun 2020 15:44

Instrument :

MSVOA\_X

ClientSampleId :

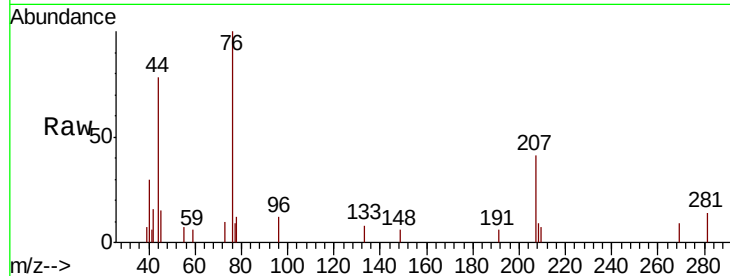
SS050MW608-200528

Tot Ion: 76 Resp: 1648

Ion Ratio Lower Upper

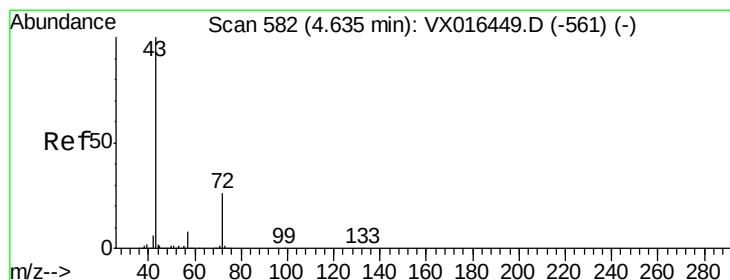
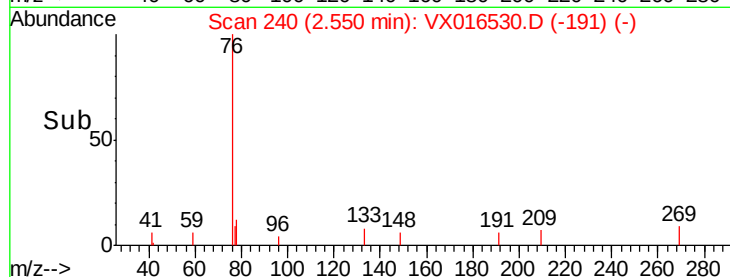
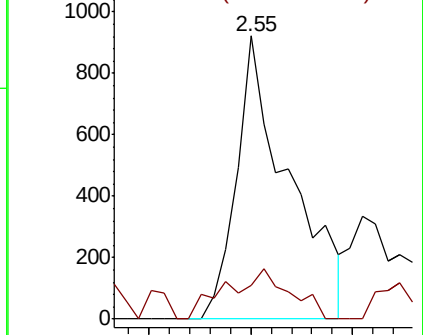
76 100

78 11.8 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.331 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016530.D

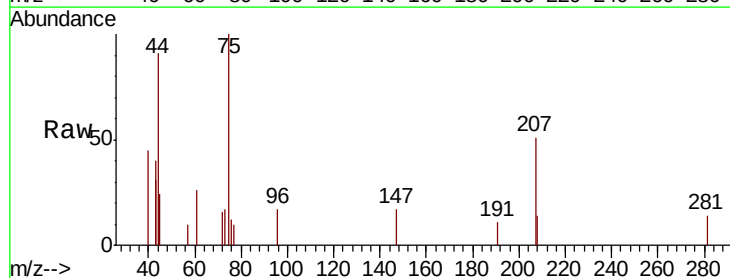
Acq: 01 Jun 2020 15:44

Tgt Ion: 43 Resp: 802

Ion Ratio Lower Upper

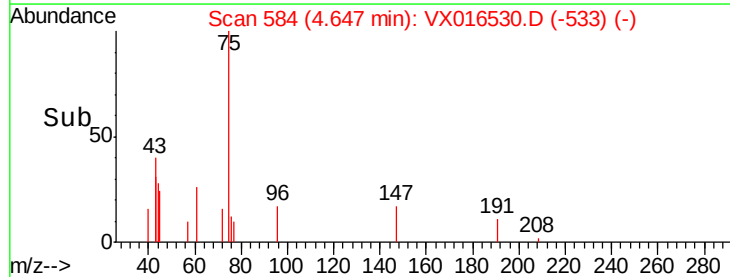
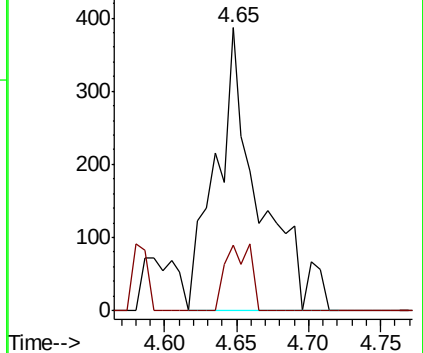
43 100

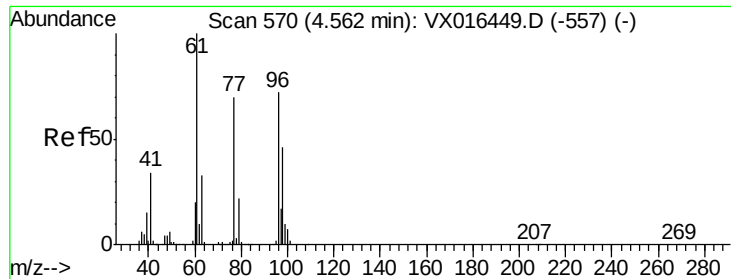
72 23.0 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



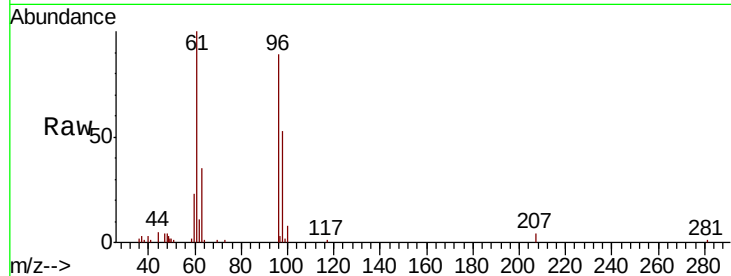


#27

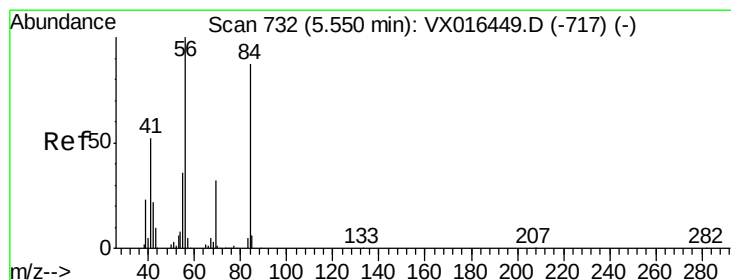
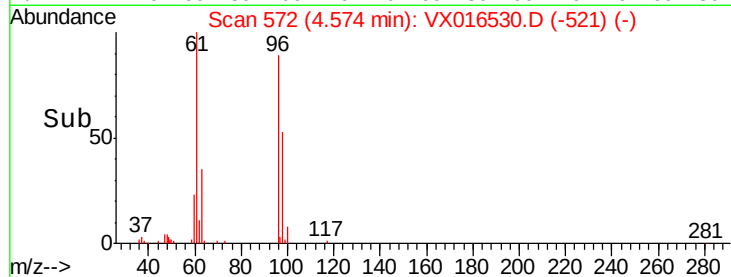
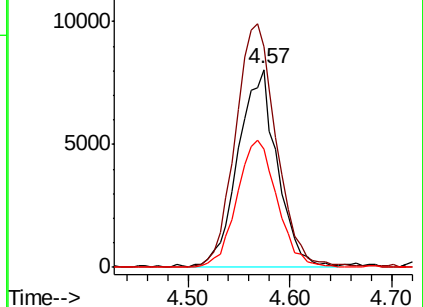
cis-1,2-Dichloroethene  
 Concen: 6.653 ug/l  
 RT: 4.57 min Scan# 572  
 Delta R.T. 0.01 min  
 Lab File: VX016530.D  
 Acq: 01 Jun 2020 15:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW608-200528

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 129.3 | 0.0   | 284.6 |
| 98      | 65.7  | 0.0   | 127.2 |



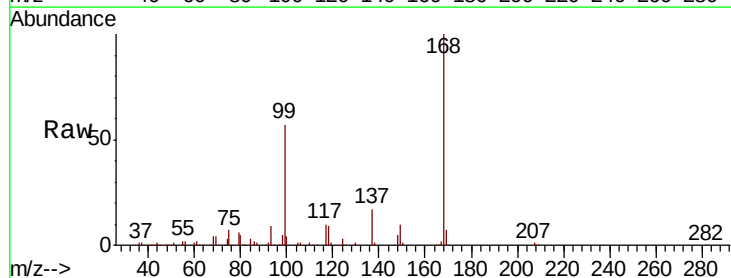
Abundance Ion 95.90 (95.60 to 96.60): VX0  
 Ion 60.90 (60.60 to 61.60): VX0  
 Ion 97.90 (97.60 to 98.60): VX0



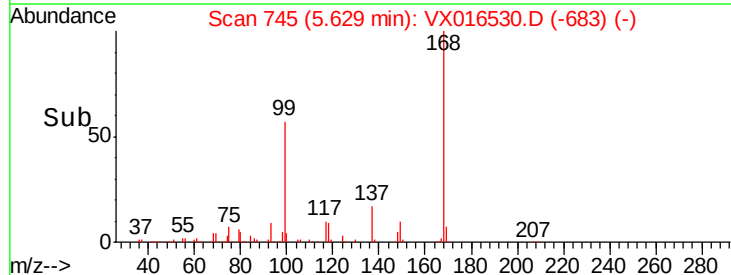
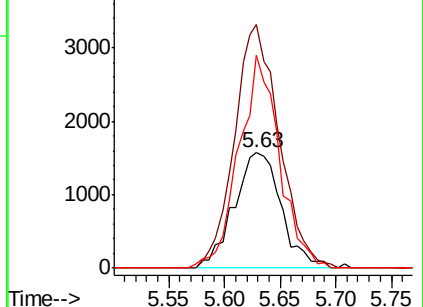
#31

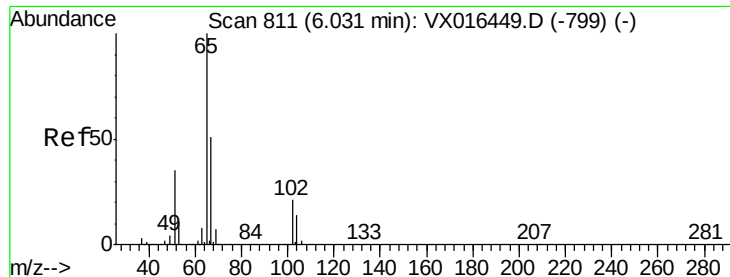
Cyclohexane  
 Concen: 1.026 ug/l  
 RT: 5.63 min Scan# 745  
 Delta R.T. 0.08 min  
 Lab File: VX016530.D  
 Acq: 01 Jun 2020 15:44

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 56      | 100   |       |        |
| 69      | 211.3 | 25.7  | 38.5#  |
| 84      | 184.4 | 70.0  | 105.0# |



Abundance Ion 56.00 (55.70 to 56.70): VX0  
 Ion 69.00 (68.70 to 69.70): VX0  
 Ion 84.00 (83.70 to 84.70): VX0

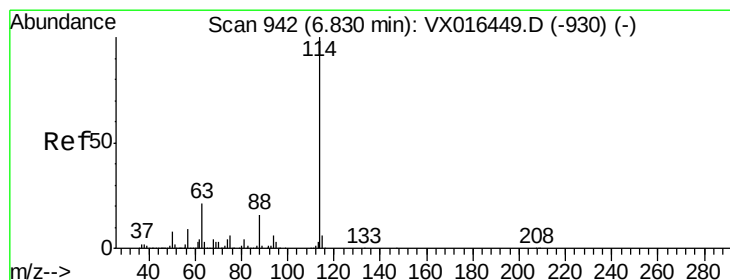
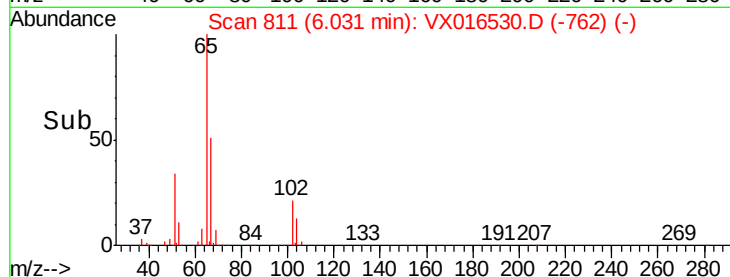
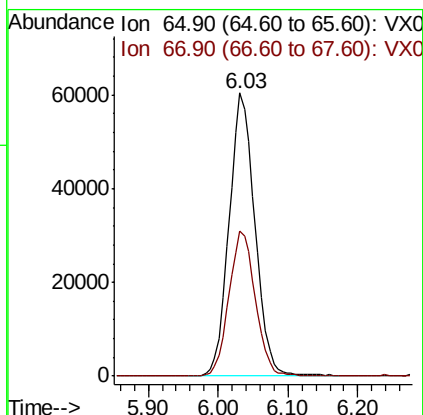
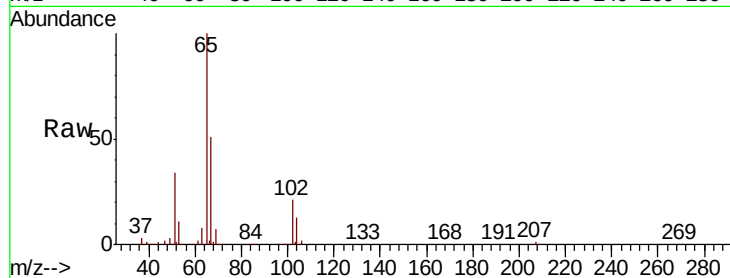




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.625 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX016530.D  
 Acq: 01 Jun 2020 15:44

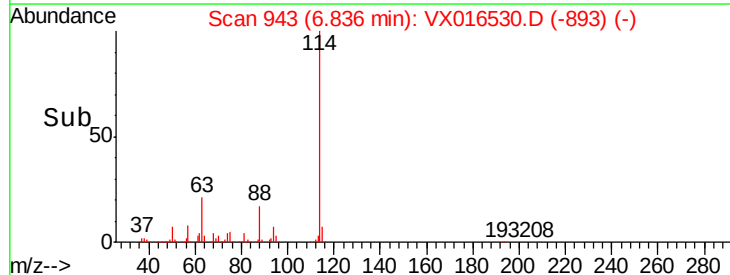
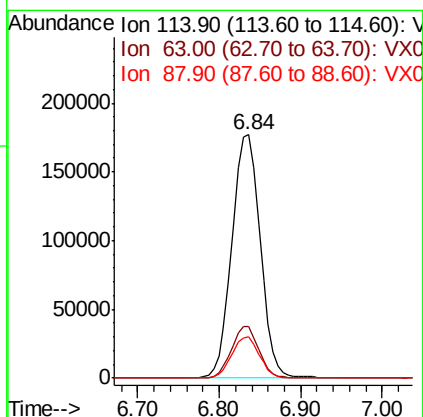
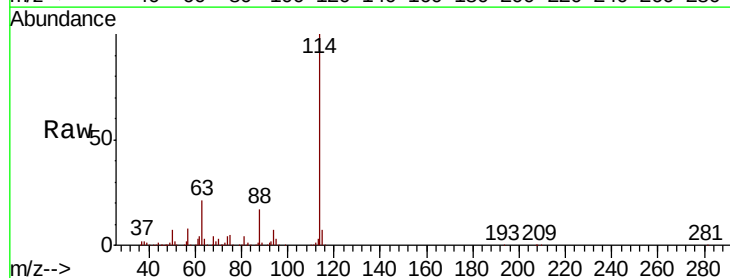
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW608-200528

Tot Ion: 65 Resp: 155340  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 104.8

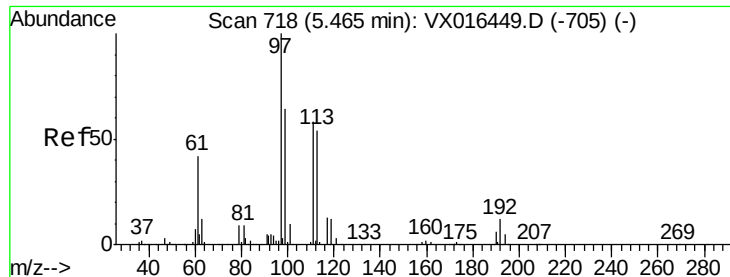


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. 0.01 min  
 Lab File: VX016530.D  
 Acq: 01 Jun 2020 15:44

Tgt Ion: 114 Resp: 426029  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 42.6  
 88 16.9 0.0 32.8







#35

Dibromofluoromethane

Concen: 47.224 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016530.D

Acq: 01 Jun 2020 15:44

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW608-200528

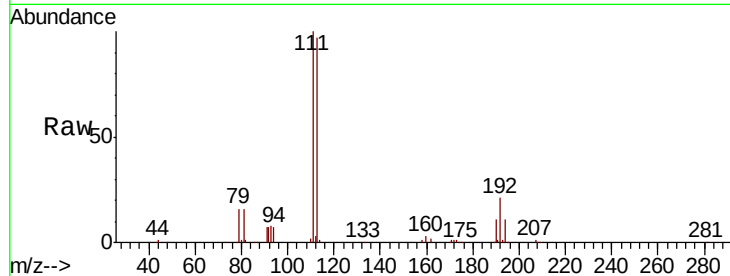
Tot Ion:113 Resp: 123881

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.6

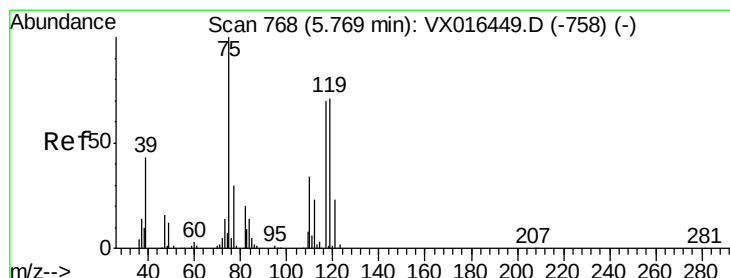
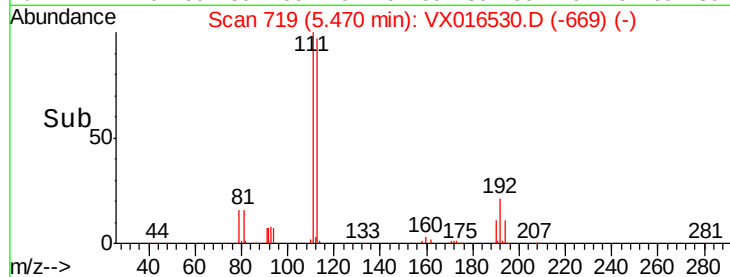
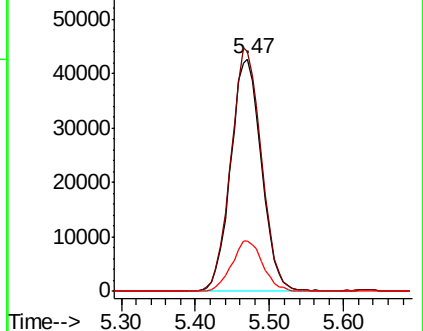
192 21.8 17.7 26.5



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



#36

1,1-Dichloropropene

Concen: 4.624 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016530.D

Acq: 01 Jun 2020 15:44

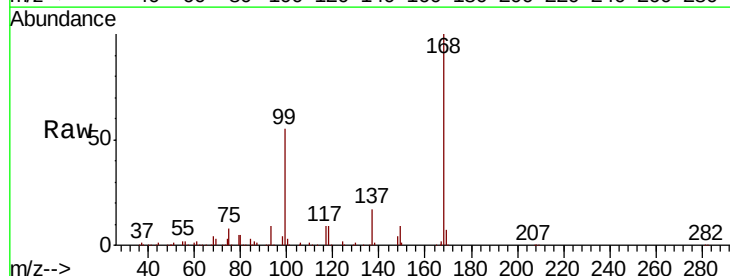
Tgt Ion: 75 Resp: 18652

Ion Ratio Lower Upper

75 100

110 10.1 17.4 52.3#

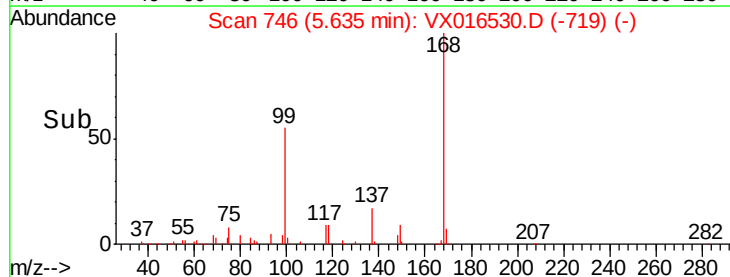
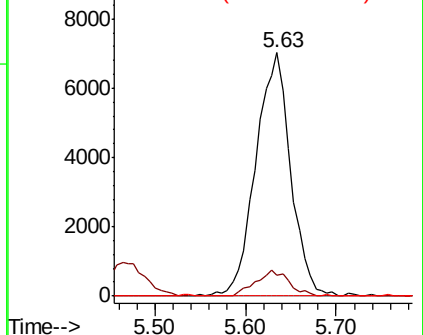
77 0.0 24.2 36.4#

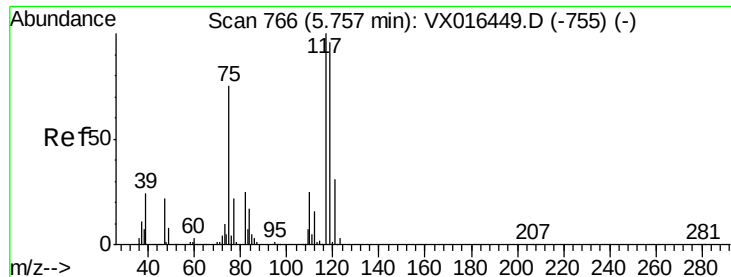


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.903 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016530.D

Acq: 01 Jun 2020 15:44

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW608-200528

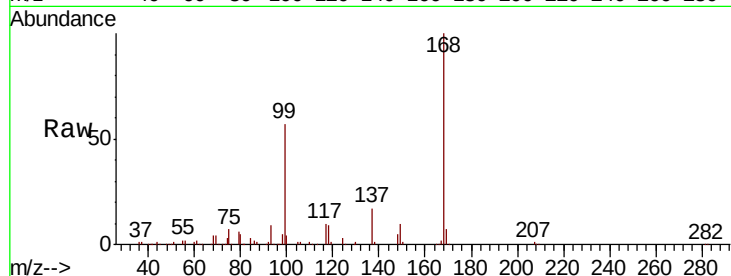
Tot Ion:117 Resp: 25023

Ion Ratio Lower Upper

117 100

119 6.3 76.3 114.5#

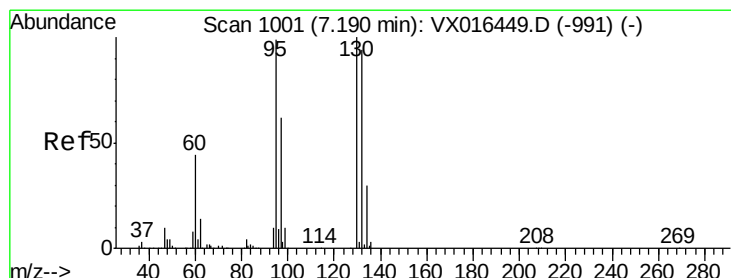
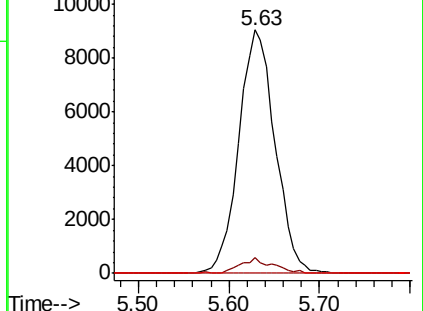
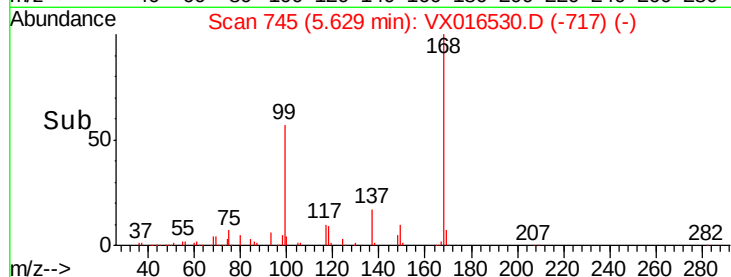
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 2.084 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016530.D

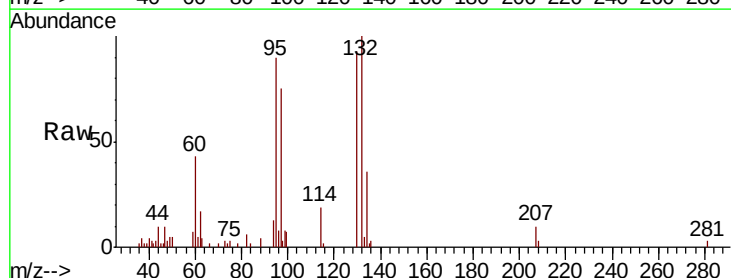
Acq: 01 Jun 2020 15:44

Tgt Ion:130 Resp: 7942

Ion Ratio Lower Upper

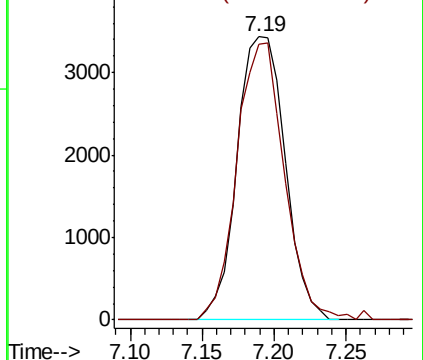
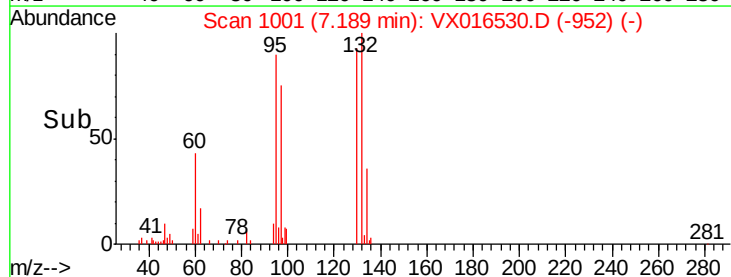
130 100

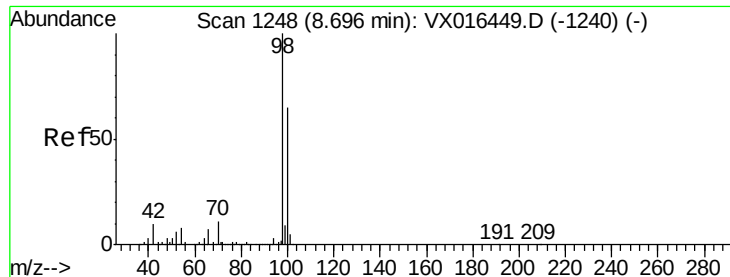
95 97.2 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

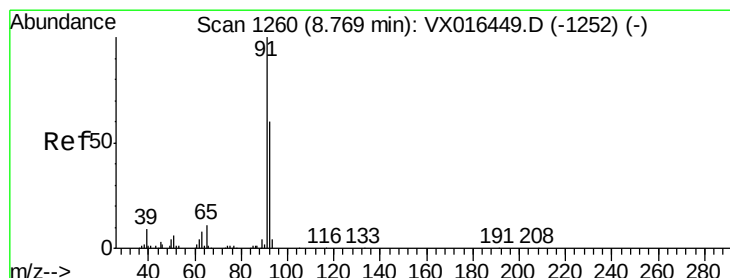
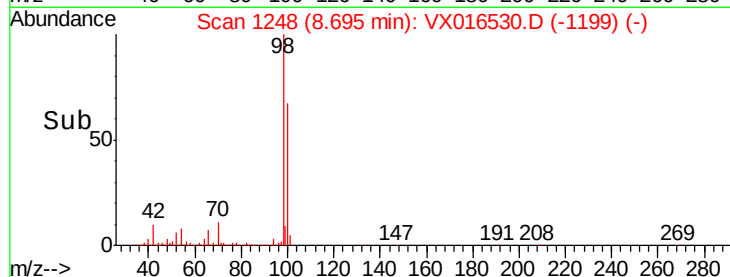
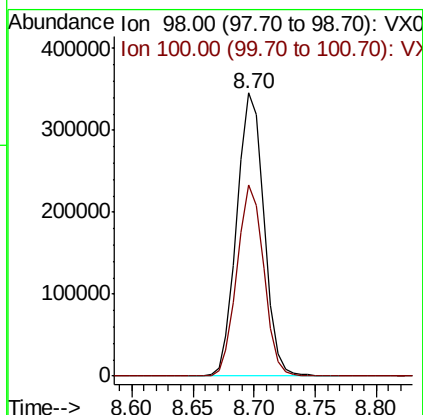
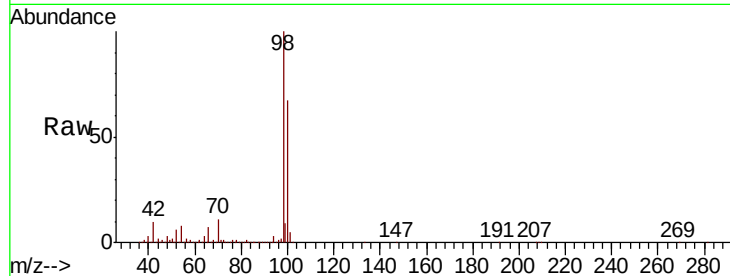




#50  
Toluene-d8  
Concen: 52.101 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX016530.D  
Acq: 01 Jun 2020 15:44

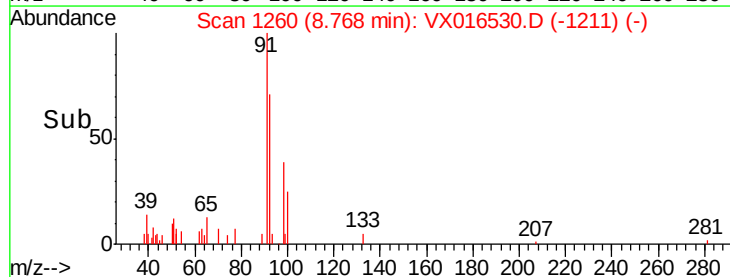
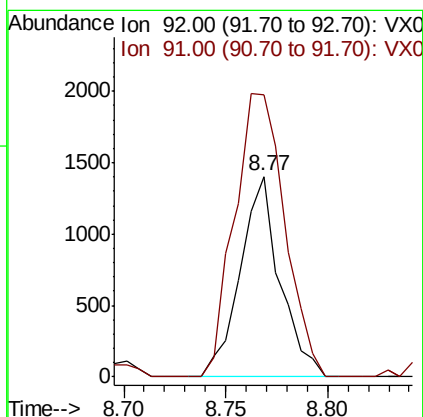
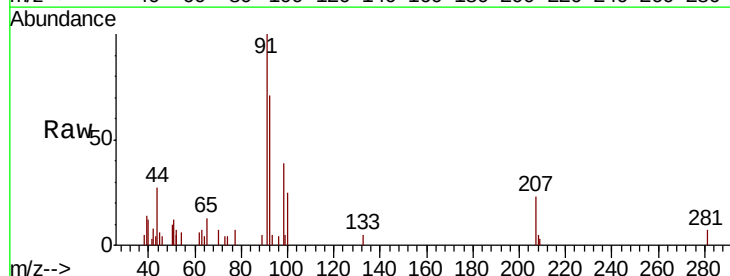
Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW608-200528

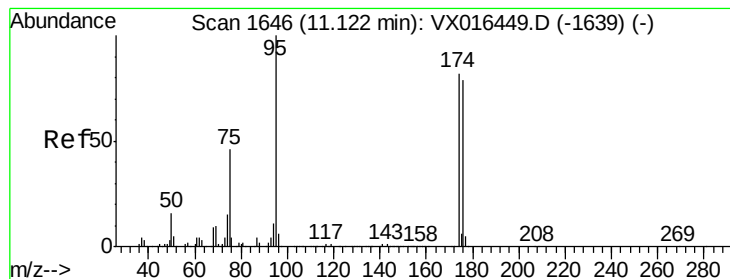
Tot Ion: 98 Resp: 531962  
Ion Ratio Lower Upper  
98 100  
100 66.8 53.8 80.6



#52  
Toluene  
Concen: 0.250 ug/l  
RT: 8.77 min Scan# 1260  
Delta R.T. -0.00 min  
Lab File: VX016530.D  
Acq: 01 Jun 2020 15:44

Tgt Ion: 92 Resp: 1897  
Ion Ratio Lower Upper  
92 100  
91 179.2 135.0 202.4





#62

4-Bromofluorobenzene

Concen: 55.794 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016530.D

Acq: 01 Jun 2020 15:44

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW608-200528

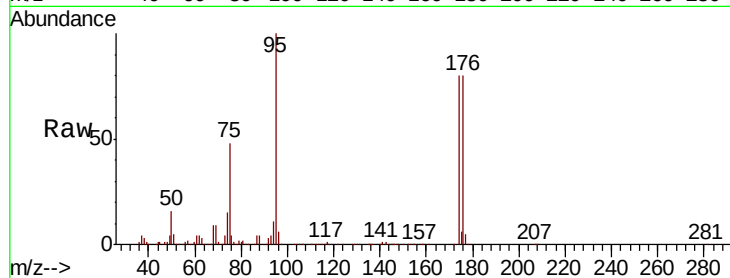
Tot Ion: 95 Resp: 220122

Ion Ratio Lower Upper

95 100

174 80.9 0.0 163.0

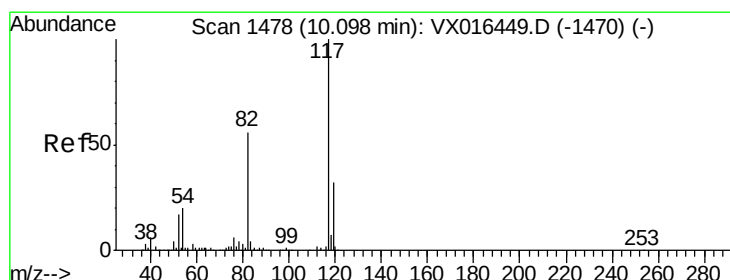
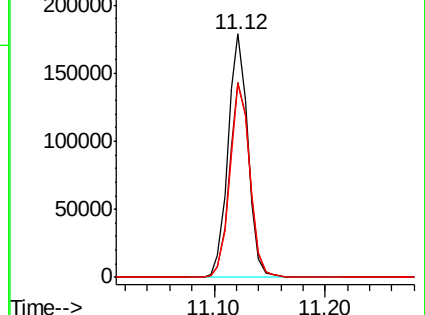
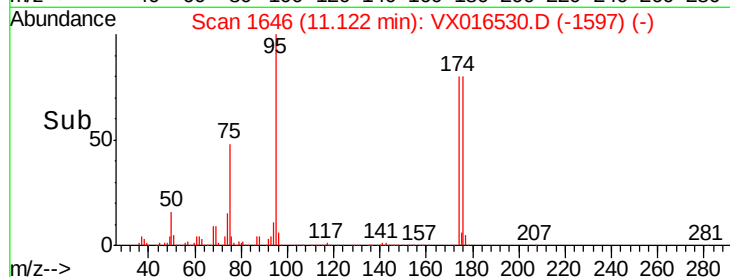
176 80.0 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016530.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016530.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016530.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016530.D

Acq: 01 Jun 2020 15:44

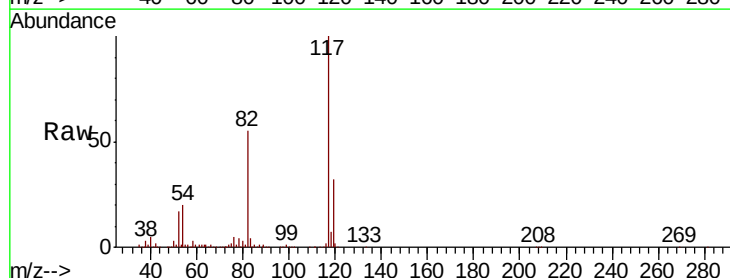
Tgt Ion: 117 Resp: 424861

Ion Ratio Lower Upper

117 100

82 54.5 45.0 67.6

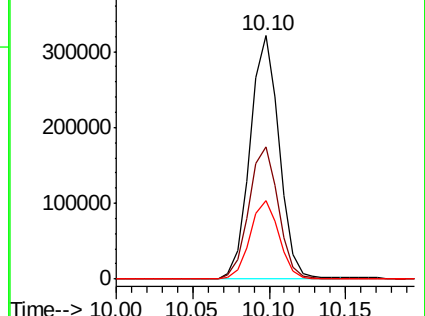
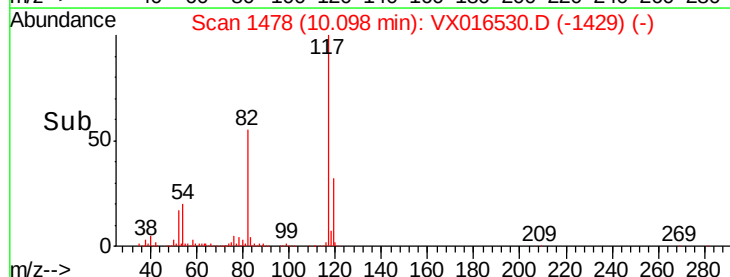
119 32.5 25.8 38.8

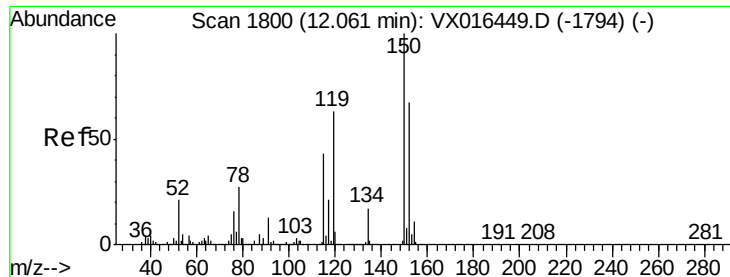


Abundance Ion 116.90 (116.60 to 117.60): VX016530.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016530.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016530.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016530.D

Acq: 01 Jun 2020 15:44

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW608-200528

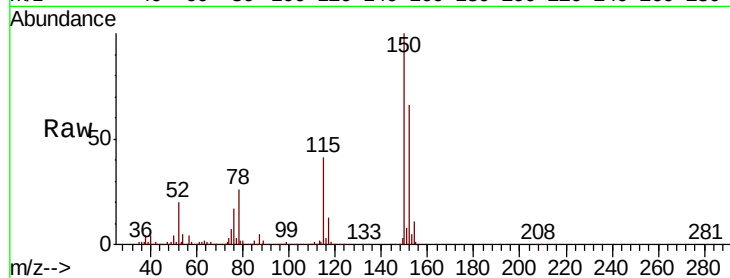
Tot Ion:152 Resp: 224954

Ion Ratio Lower Upper

152 100

115 60.1 39.9 119.6

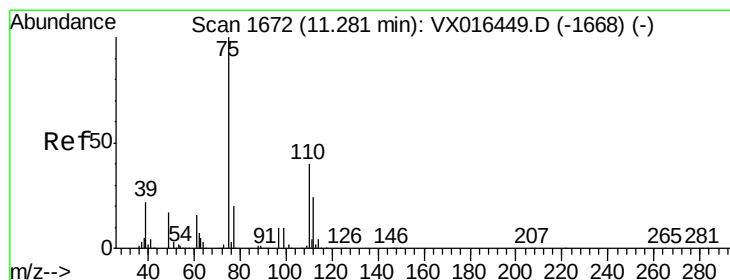
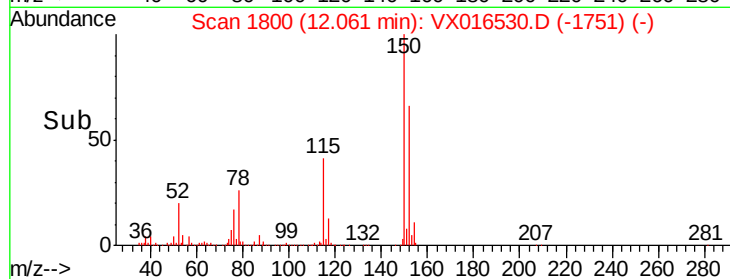
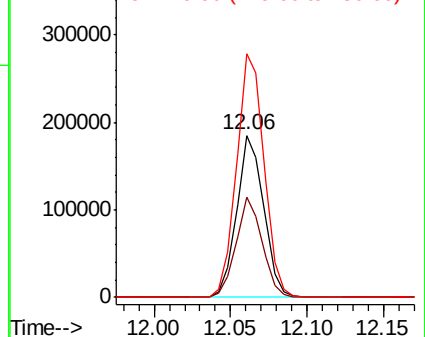
150 154.0 0.0 341.0



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



#76

1,2,3-Trichloropropane

Concen: 21.549 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016530.D

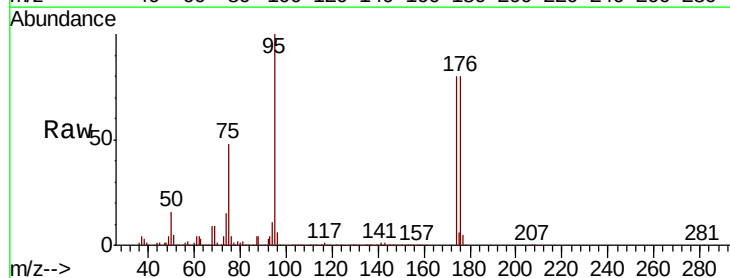
Acq: 01 Jun 2020 15:44

Tgt Ion: 75 Resp: 106549

Ion Ratio Lower Upper

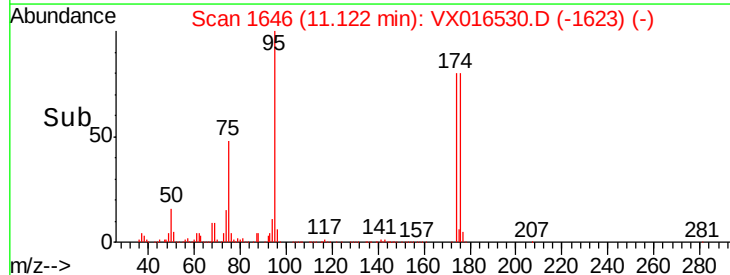
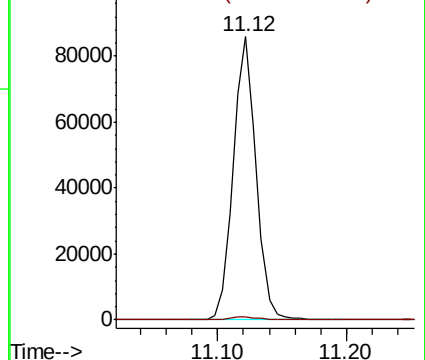
75 100

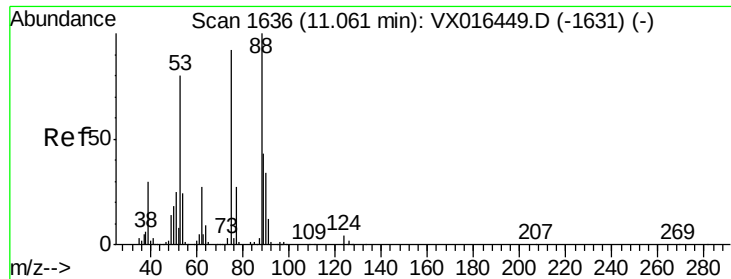
77 1.3 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 53.006 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. 0.06 min  
 Lab File: VX016530.D  
 Acq: 01 Jun 2020 15:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW608-200528

Tot Ion: 75 Resp: 106549  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 71.3 106.9#  
 89 0.0 36.6 55.0#

