

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\  
 Data File : VX002284.D  
 Acq On : 05 Jun 2018 02:45  
 Operator : JC/MD  
 Sample : J3269-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 05 07:22:01 2018  
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 242505   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 353308   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 313389   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 159437   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 169535   | 48.81 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.62% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 124086   | 44.66 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.32% |          |
| 50) Toluene-d8              | 8.72  | 98   | 502675   | 47.20 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.40% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 163874   | 39.90 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 79.80% |          |

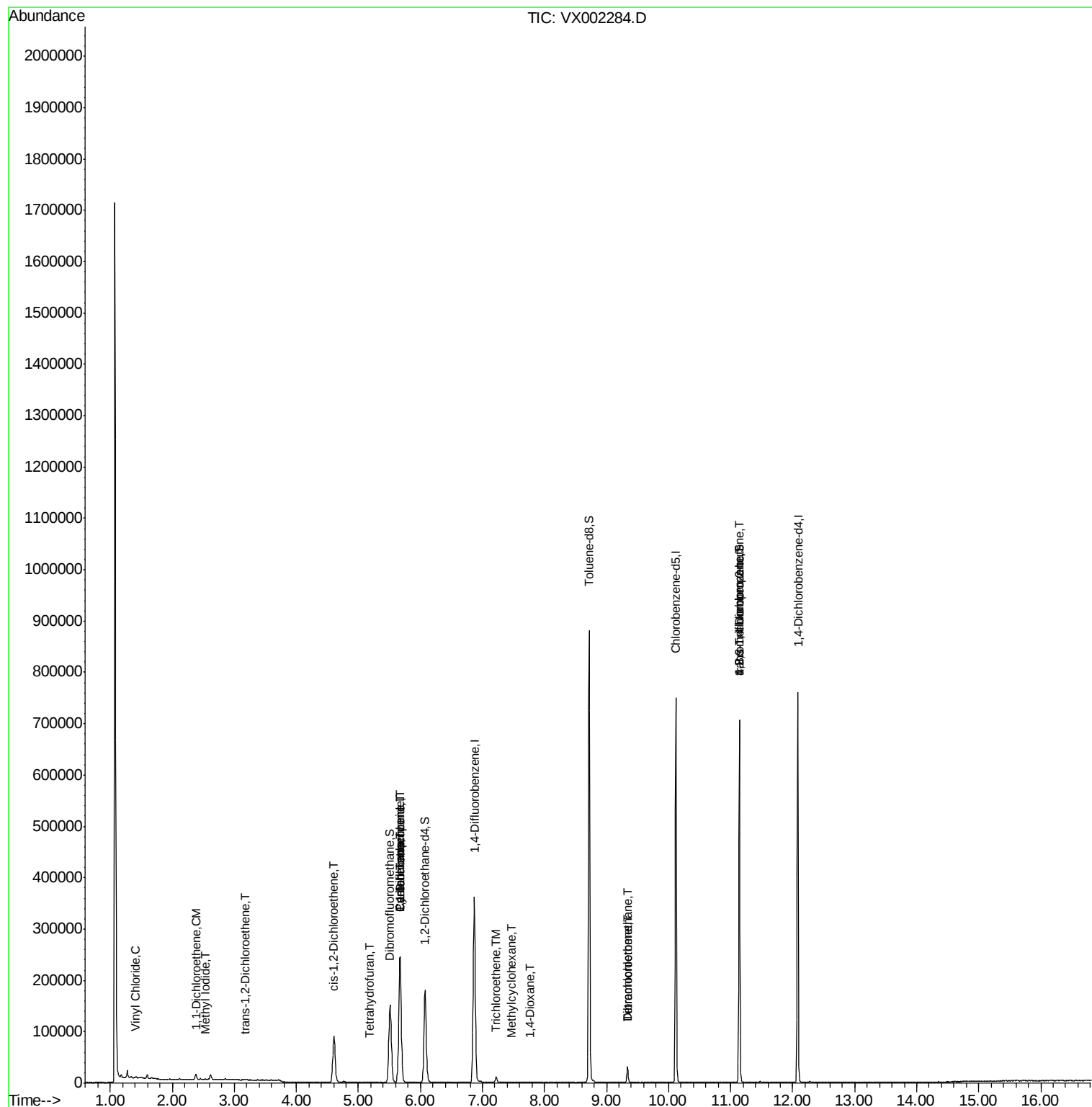
| Target Compounds               | R.T.  | QIon | Response | Conc       | Units | Qvalue |
|--------------------------------|-------|------|----------|------------|-------|--------|
| 3) Chloromethane               | 1.33  | 50   | 1073     | Below Cal  |       | 91     |
| 4) Vinyl Chloride              | 1.41  | 62   | 1252     | 0.39 ug/l  | #     | 9      |
| 5) Bromomethane                | 1.66  | 94   | 1818     | Below Cal  |       | 95     |
| 8) Diethyl Ether               | 2.18  | 74   | 73       | Below Cal  |       | 97     |
| 10) Methyl Iodide              | 2.53  | 142  | 1189     | 0.32 ug/l  |       | 97     |
| 11) Tert butyl alcohol         | 3.03  | 59   | 687      | Below Cal  | #     | 73     |
| 12) 1,1-Dichloroethene         | 2.38  | 96   | 3118     | 1.21 ug/l  |       | 86     |
| 13) Acrolein                   | 2.30  | 56   | 136      | Below Cal  | #     | 14     |
| 15) Acrylonitrile              | 3.17  | 53   | 87       | Below Cal  | #     | 1      |
| 16) Acetone                    | 2.45  | 43   | 2332     | Below Cal  |       | 91     |
| 18) Methyl Acetate             | 2.78  | 43   | 238      | Below Cal  | #     | 55     |
| 19) Methyl tert-butyl Ether    | 3.21  | 73   | 297      | Below Cal  | #     | 54     |
| 20) Methylene Chloride         | 2.87  | 84   | 561      | Below Cal  | #     | 77     |
| 21) trans-1,2-Dichloroethene   | 3.18  | 96   | 787      | 0.28 ug/l  |       | 84     |
| 22) Diisopropyl ether          | 3.87  | 45   | 102      | Below Cal  | #     | 35     |
| 27) cis-1,2-Dichloroethene     | 4.60  | 96   | 54544    | 17.62 ug/l |       | 86     |
| 28) Bromochloromethane         | 5.01  | 49   | 59       | Below Cal  | #     | 13     |
| 29) Tetrahydrofuran            | 5.17  | 42   | 492      | 0.32 ug/l  | #     | 49     |
| 31) Cyclohexane                | 5.67  | 56   | 5410     | 1.24 ug/l  | #     | 1      |
| 36) 1,1-Dichloropropene        | 5.67  | 75   | 17465    | 4.70 ug/l  | #     | 50     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 21961    | 5.65 ug/l  | #     | 15     |
| 39) Methylcyclohexane          | 7.47  | 83   | 59       | 0.28 ug/l  | #     | 69     |
| 44) Trichloroethene            | 7.22  | 130  | 3724     | 1.18 ug/l  |       | 88     |
| 49) 1,4-Dioxane                | 7.76  | 88   | 27       | 0.38 ug/l  | #     | 1      |
| 60) Dibromochloromethane       | 9.34  | 129  | 5717     | 1.91 ug/l  | #     | 11     |
| 64) Tetrachloroethene          | 9.34  | 164  | 6283     | 1.94 ug/l  |       | 95     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 87488    | 25.01 ug/l | #     | 33     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 87488    | 87.66 ug/l | #     | 7      |

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

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Operator : JC/MD  
Sample : J3269-06  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jun 05 07:22:01 2018  
Quant Method : Y:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 05 03:22:35 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Instrument :

MSVOA\_X

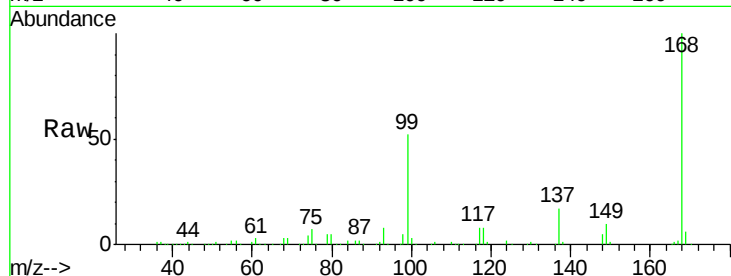
ClientSampleId :

Tot Ion:168 Resp: 242505

Ion Ratio Lower Upper

168 100

99 51.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

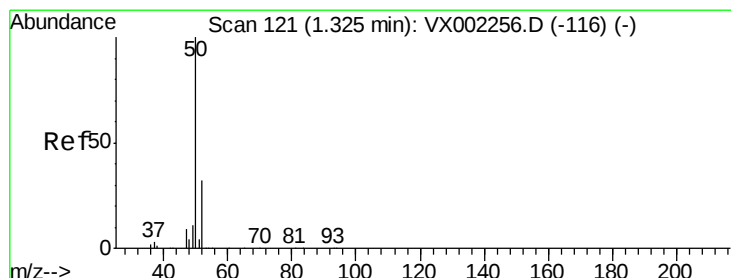
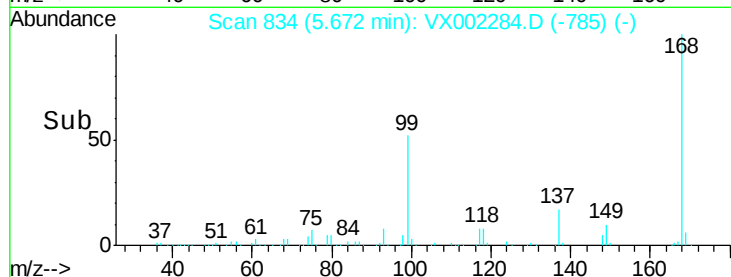
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002284.D

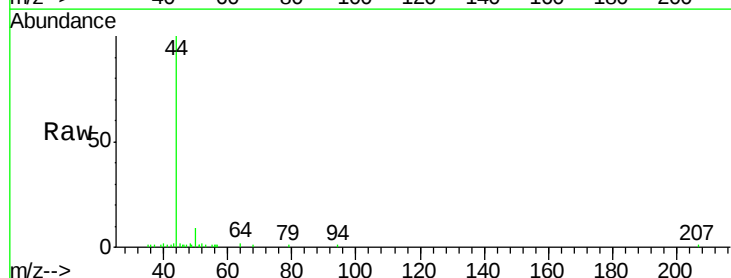
Acq: 05 Jun 2018 02:45

Tgt Ion: 50 Resp: 1073

Ion Ratio Lower Upper

50 100

52 27.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

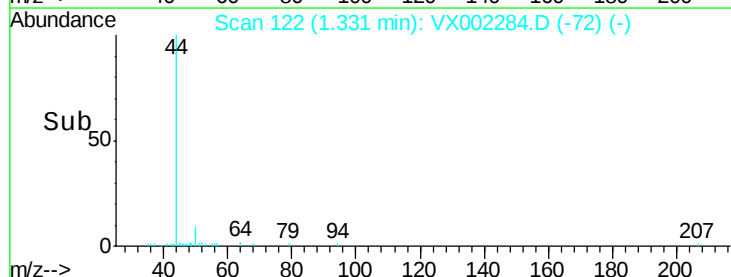
600

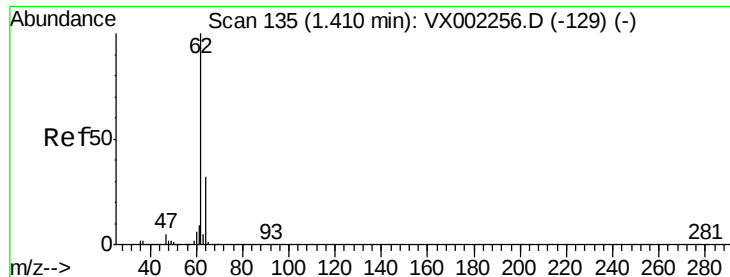
400

200

0

Time--> 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 0.39 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Instrument :

MSVOA\_X

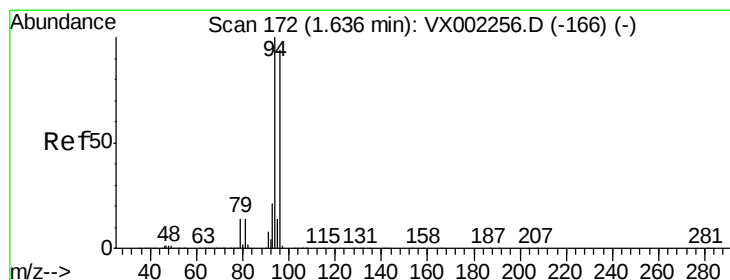
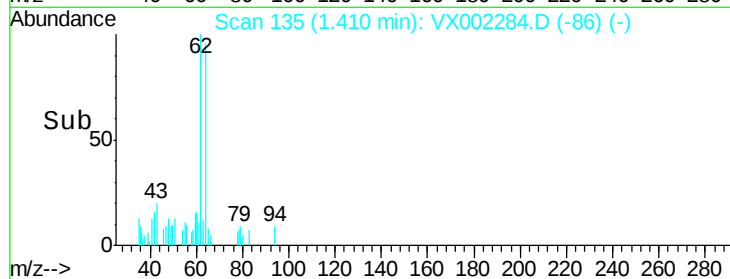
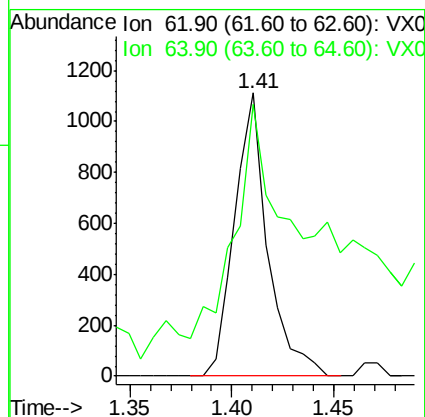
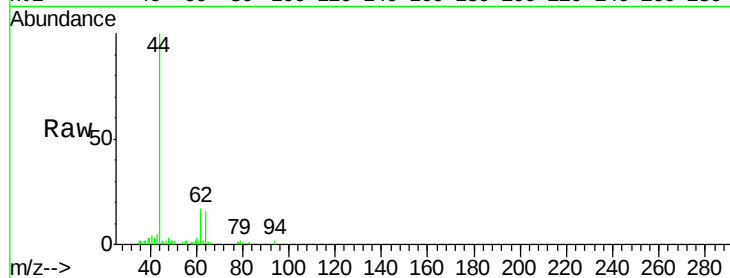
ClientSampled :

Tot Ion: 62 Resp: 1252

Ion Ratio Lower Upper

62 100

64 82.5 25.4 38.2#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002284.D

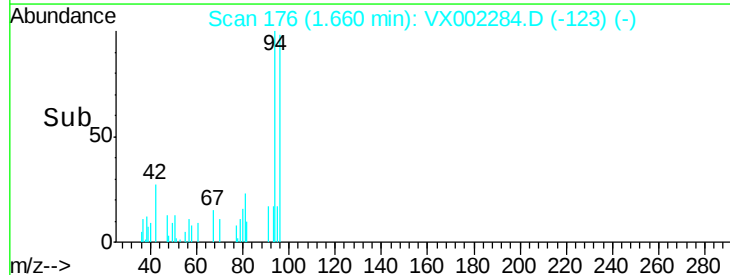
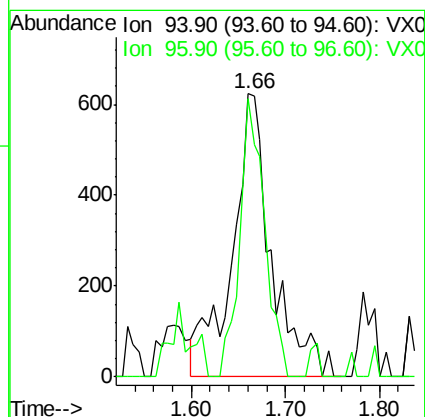
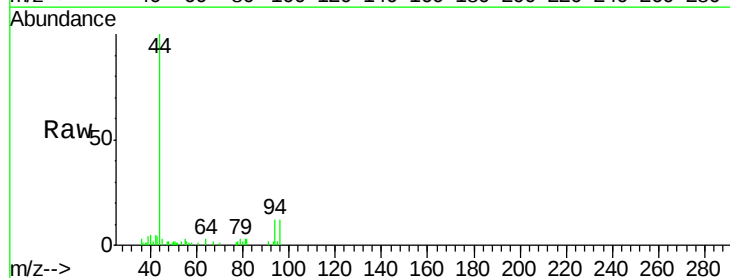
Acq: 05 Jun 2018 02:45

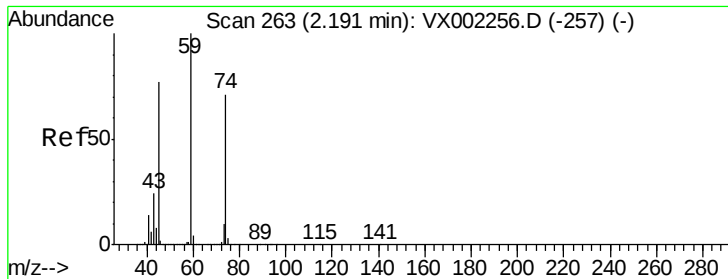
Tgt Ion: 94 Resp: 1818

Ion Ratio Lower Upper

94 100

96 98.4 74.9 112.3





#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 262

Delta R.T. -0.01 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Instrument :

MSVOA\_X

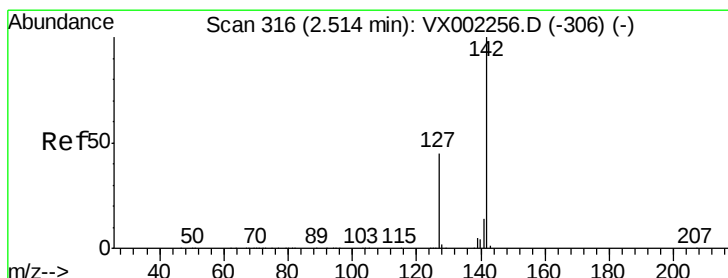
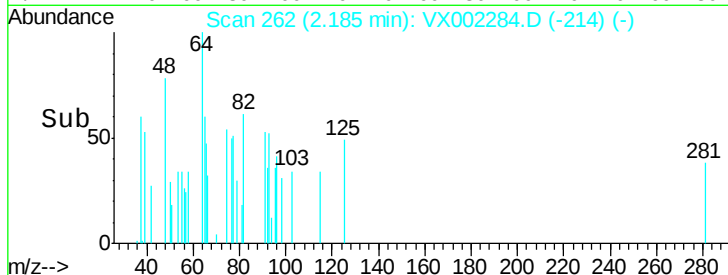
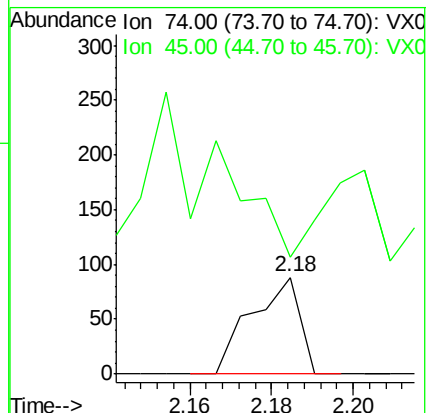
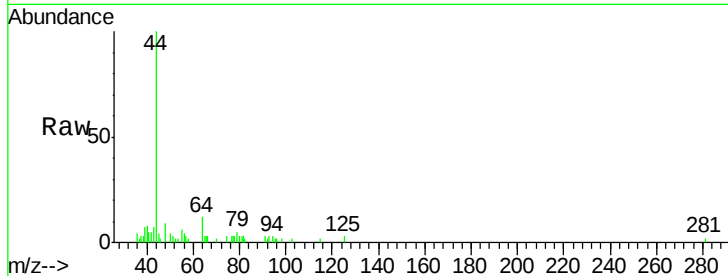
ClientSampled :

Tot Ion: 74 Resp: 73

Ion Ratio Lower Upper

74 100

45 102.7 53.1 159.4



#10

Methyl Iodide

Concen: 0.32 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

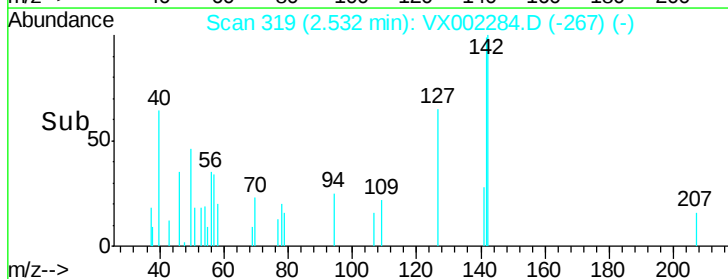
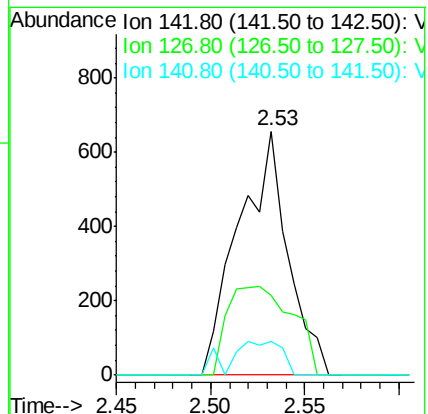
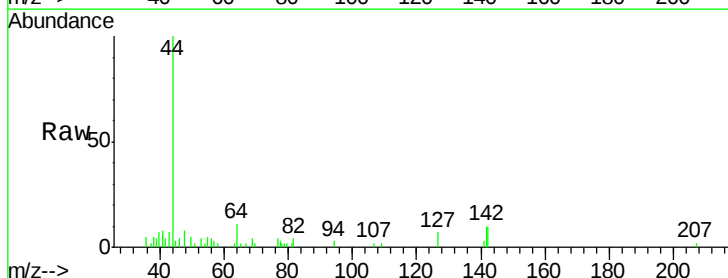
Tgt Ion: 142 Resp: 1189

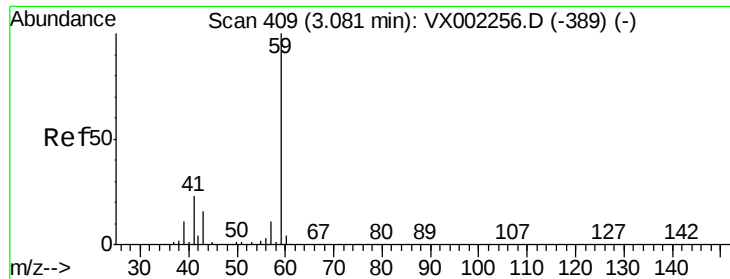
Ion Ratio Lower Upper

142 100

127 48.0 36.6 55.0

141 14.6 11.3 16.9

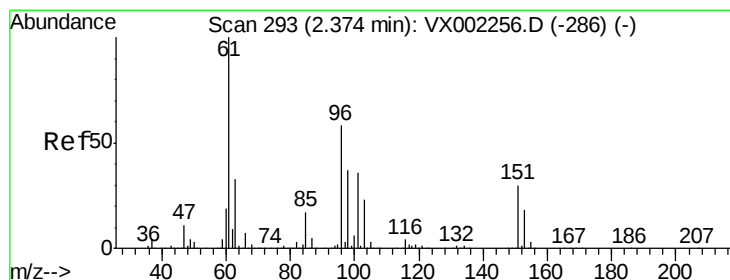
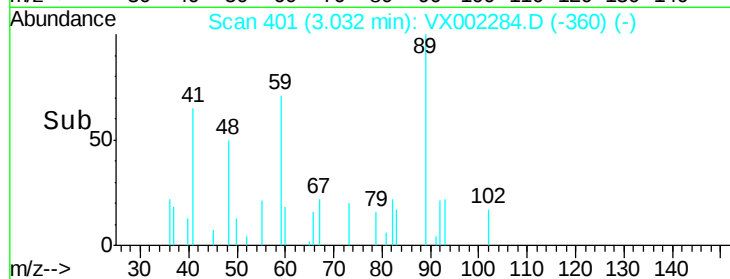
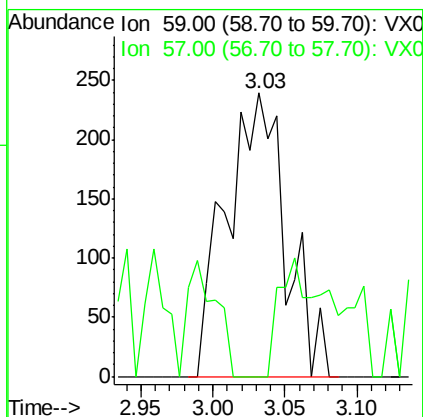
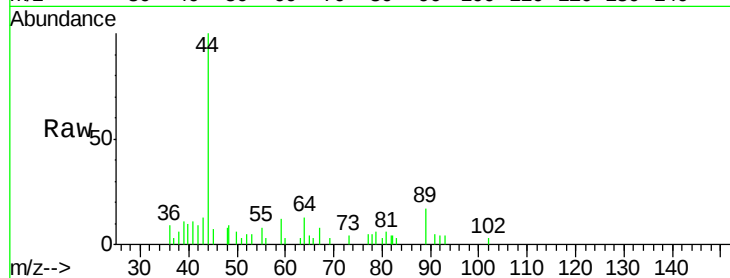




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 3.03 min Scan# 401  
Delta R.T. -0.05 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

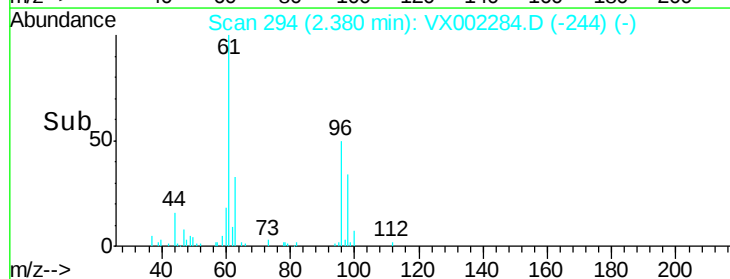
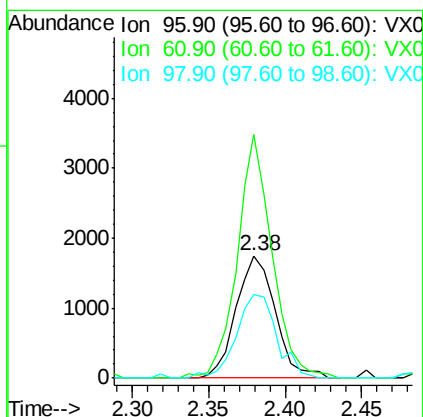
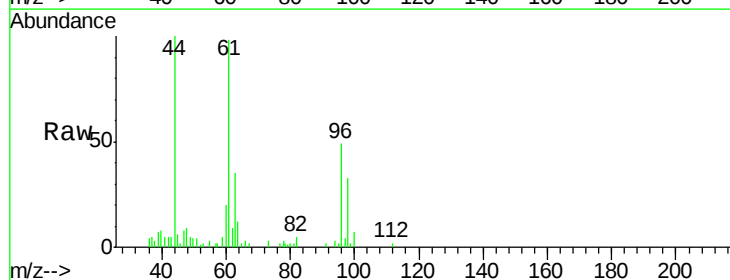
Instrument :  
MSVOA\_X  
ClientSampled :

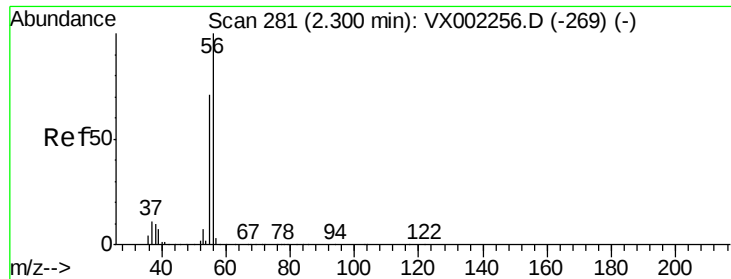
Tot Ion: 59 Resp: 687  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#



#12  
1,1-Dichloroethene  
Concen: 1.21 ug/l  
RT: 2.38 min Scan# 294  
Delta R.T. 0.01 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

Tgt Ion: 96 Resp: 3118  
Ion Ratio Lower Upper  
96 100  
61 196.2 137.9 206.9  
98 68.2 51.6 77.4





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

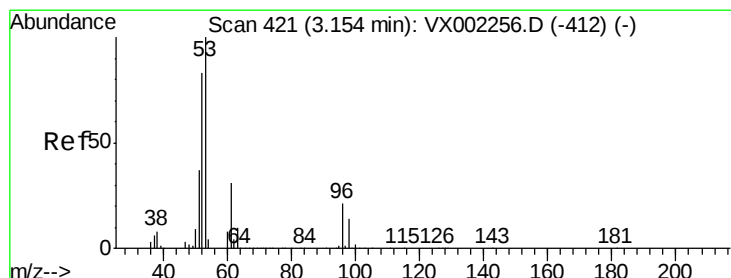
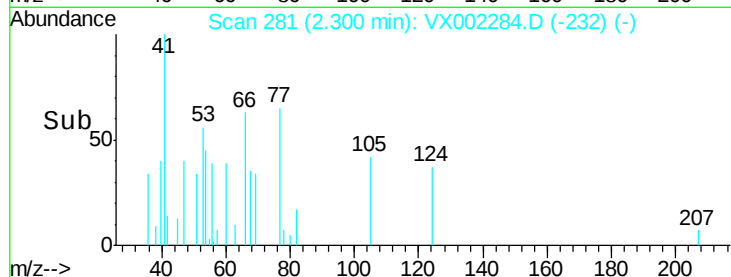
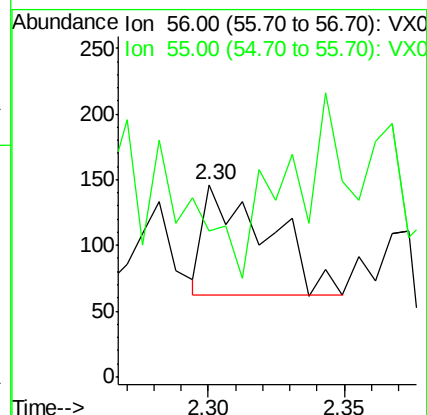
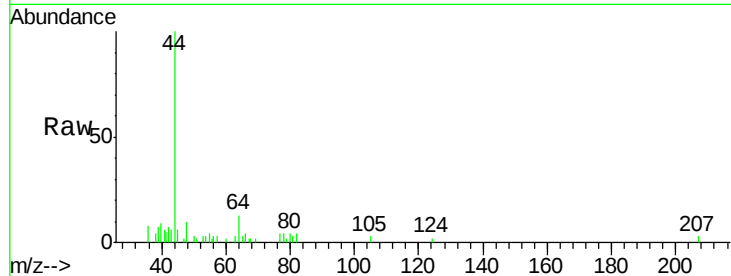
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 56 Resp: 136

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

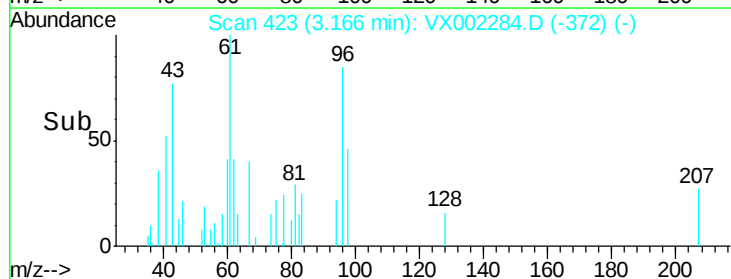
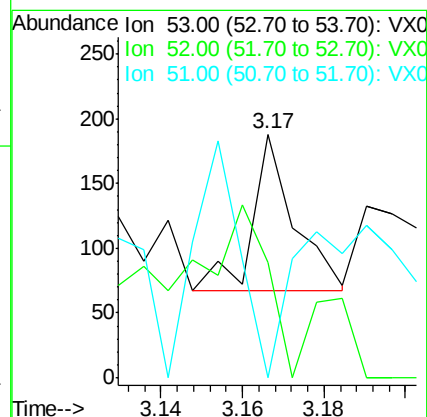
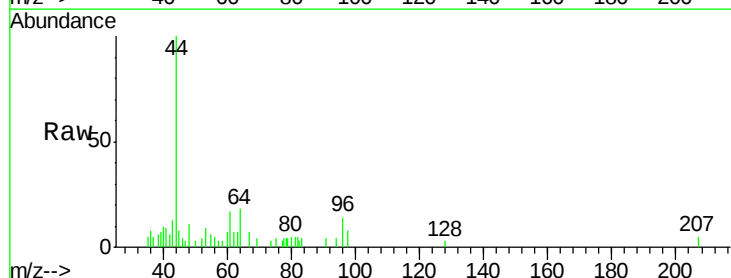
Tgt Ion: 53 Resp: 87

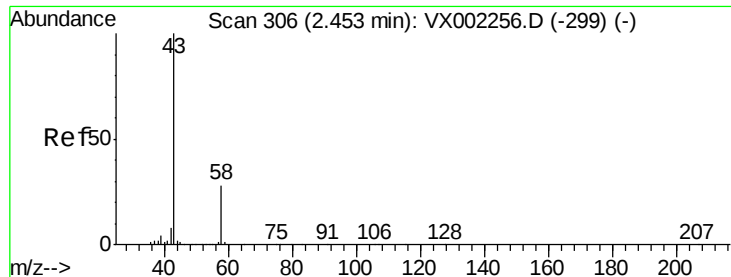
Ion Ratio Lower Upper

53 100

52 164.4 66.7 100.1#

51 159.8 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Instrument :

MSVOA\_X

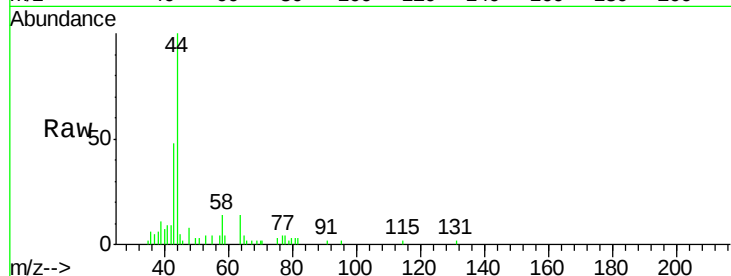
ClientSampled :

Tot Ion: 43 Resp: 2332

Ion Ratio Lower Upper

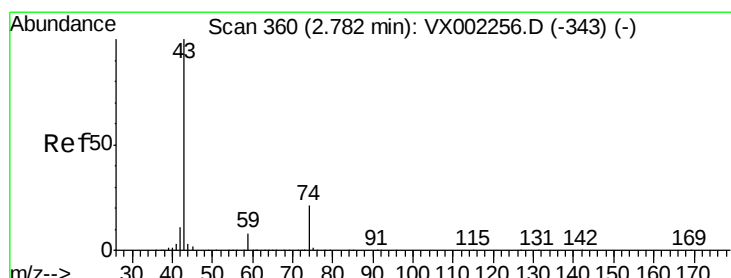
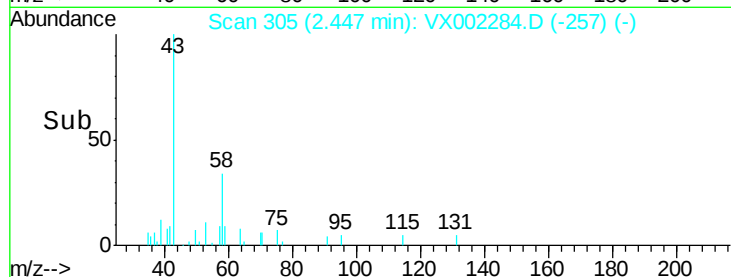
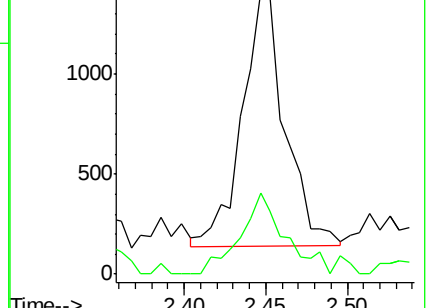
43 100

58 32.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002284.D

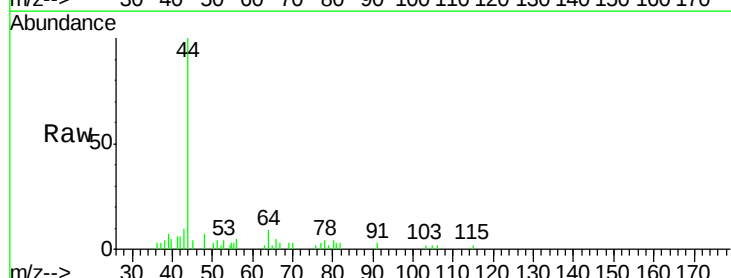
Acq: 05 Jun 2018 02:45

Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

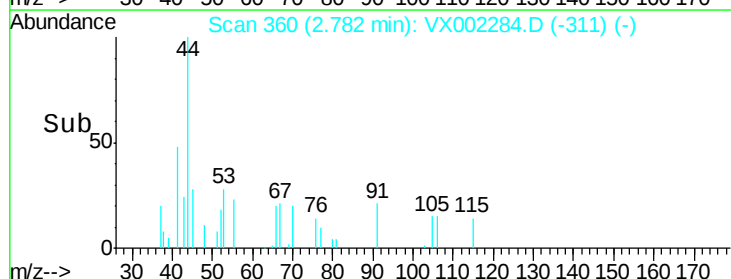
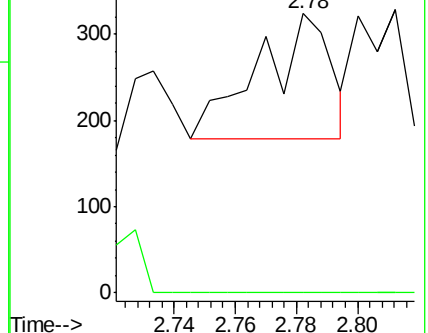
43 100

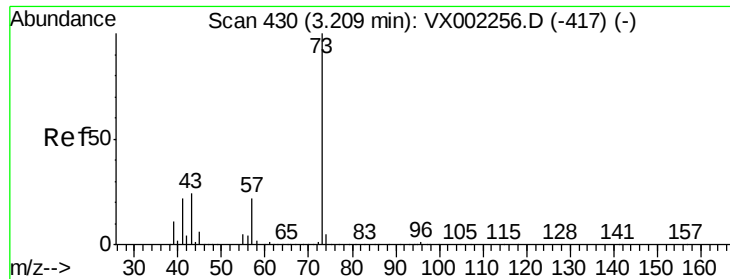
74 0.0 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

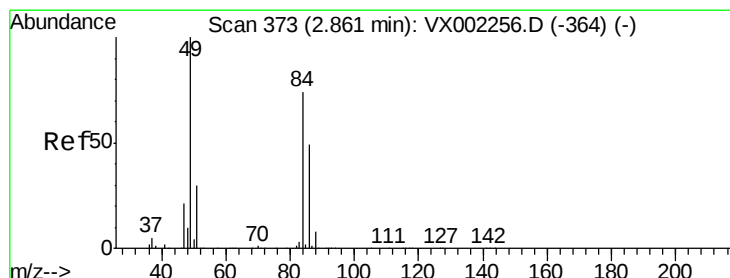
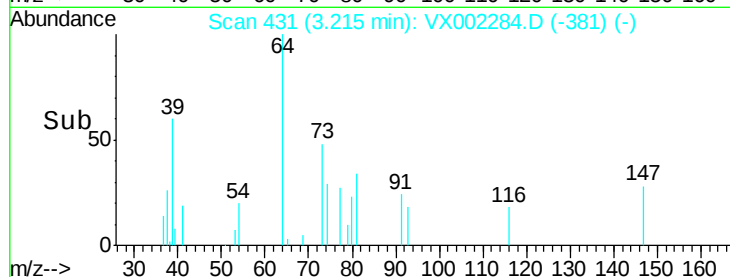
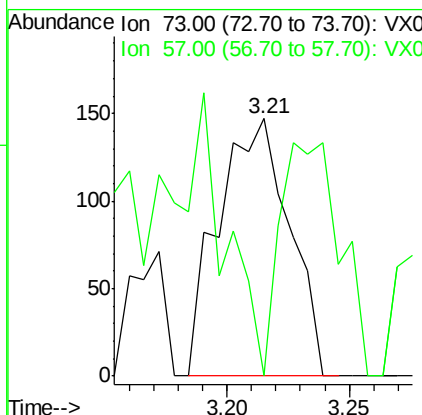
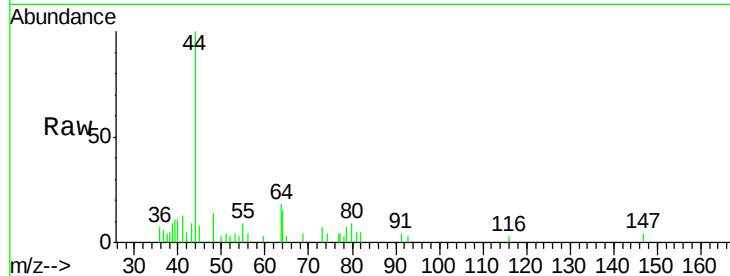




#19  
Methyl tert-butyl Ether  
Concen: Below Cal  
RT: 3.21 min Scan# 431  
Delta R.T. 0.01 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

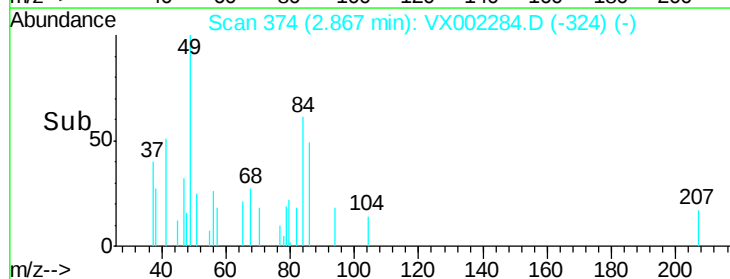
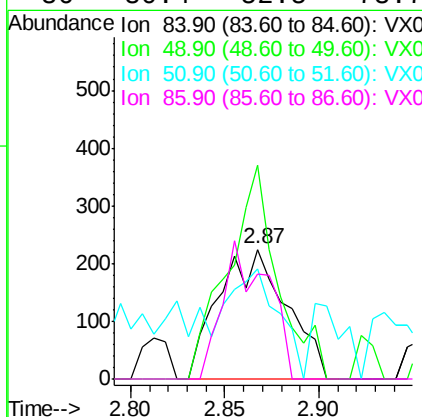
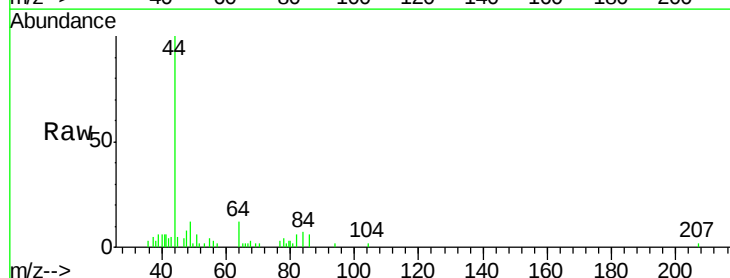
Instrument :  
MSVOA\_X  
ClientSampled :

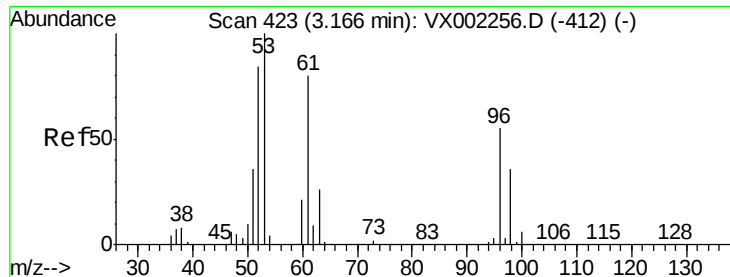
Tot Ion: 73 Resp: 297  
Ion Ratio Lower Upper  
73 100  
57 0.0 17.7 26.5#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.87 min Scan# 374  
Delta R.T. 0.01 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

Tgt Ion: 84 Resp: 561  
Ion Ratio Lower Upper  
84 100  
49 164.4 107.8 161.6#  
51 53.8 32.8 49.2#  
86 80.4 52.5 78.7#





#21

trans-1,2-Dichloroethene

Concen: 0.28 ua/l

RT: 3.18 min Scan# 425

Delta R.T. 0.01 min

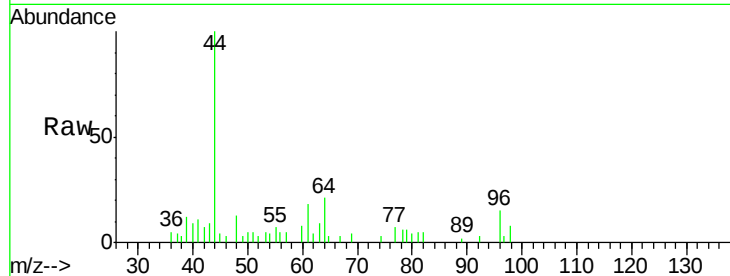
Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 96 Resp: 787

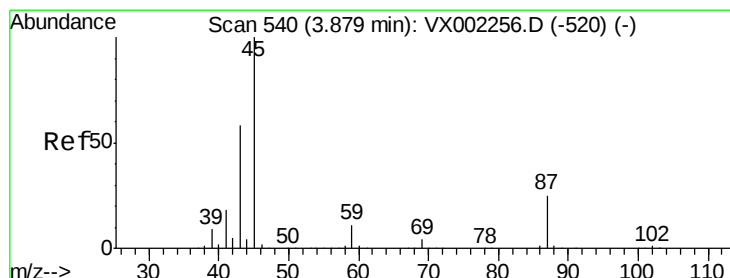
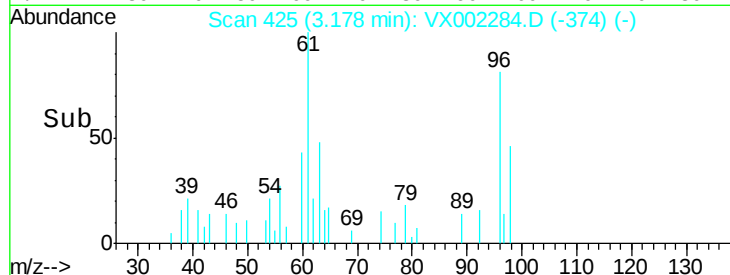
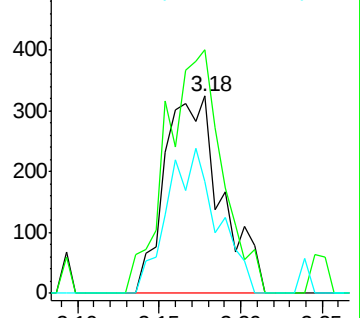
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 123.5 | 117.0 | 175.4 |
| 98  | 56.5  | 52.4  | 78.6  |



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



#22

Diisopropyl ether

Concen: Below Cal

RT: 3.87 min Scan# 538

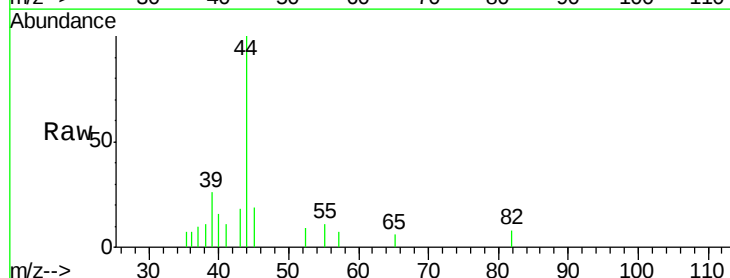
Delta R.T. -0.01 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Tgt Ion: 45 Resp: 102

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 0.0   | 46.8  | 70.2# |
| 87  | 0.0   | 20.2  | 30.4# |
| 59  | 0.0   | 8.7   | 13.1# |

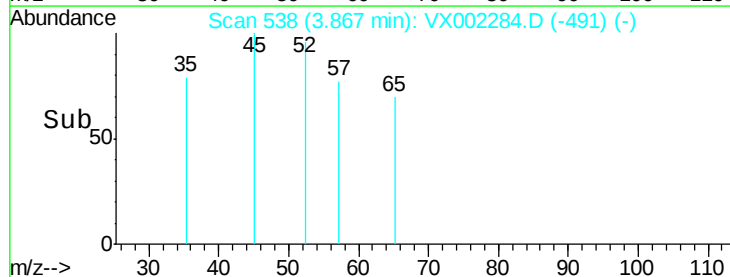
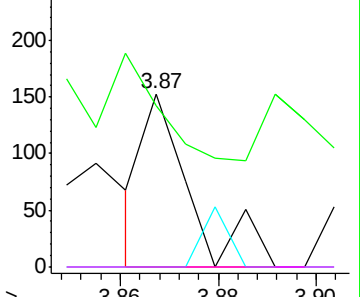


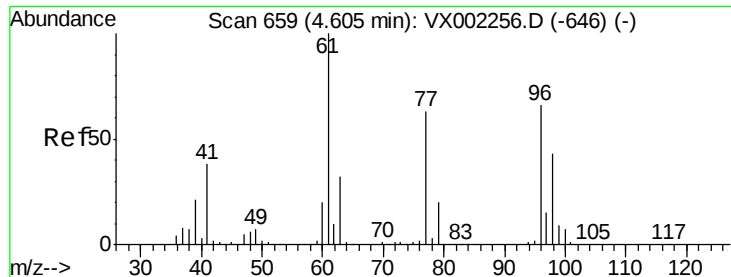
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



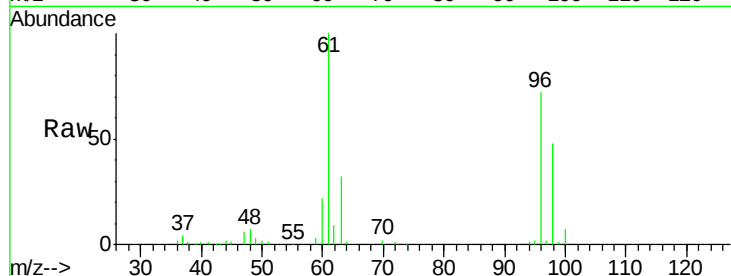


#27

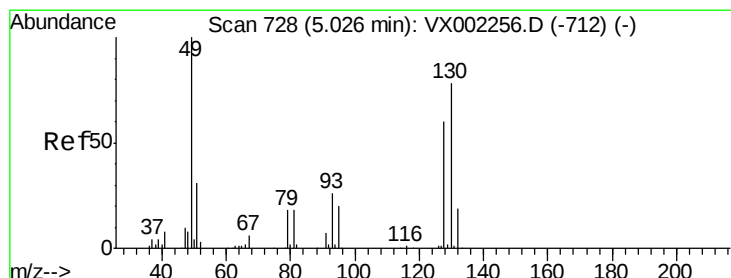
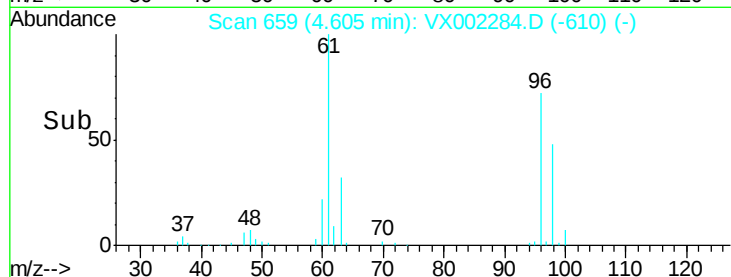
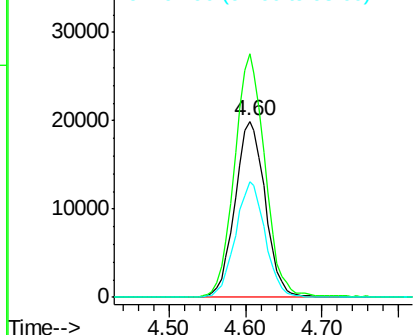
cis-1,2-Dichloroethene  
Concen: 17.62 ug/l  
RT: 4.60 min Scan# 659  
Delta R.T. 0.00 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 96 Resp: 54544  
Ion Ratio Lower Upper  
96 100  
61 139.8 0.0 330.2  
98 64.4 0.0 130.2



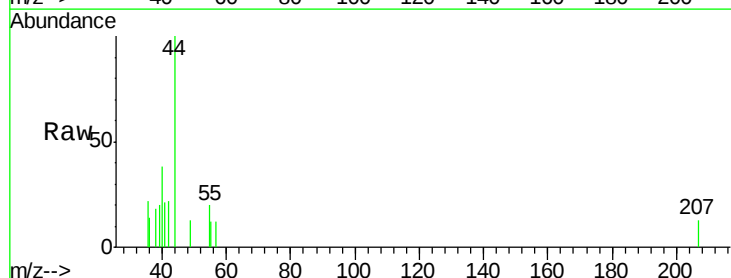
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



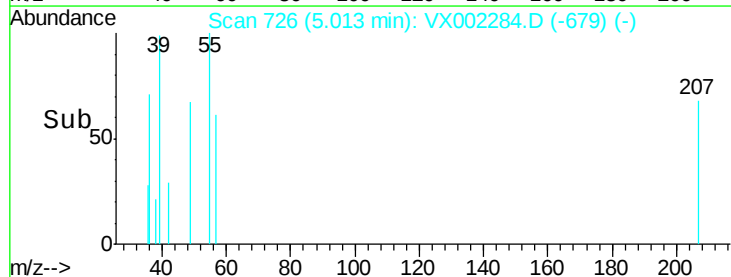
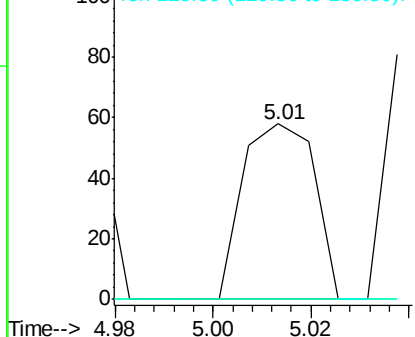
#28

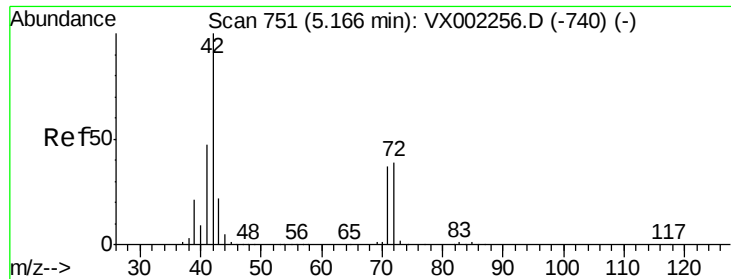
Bromochloromethane  
Concen: Below Cal  
RT: 5.01 min Scan# 726  
Delta R.T. -0.01 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

Tgt Ion: 49 Resp: 59  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.2  
130 0.0 61.2 91.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V

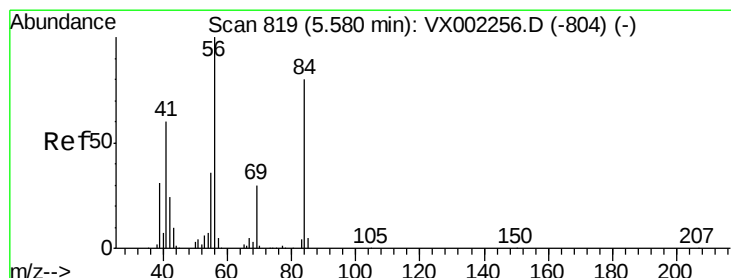
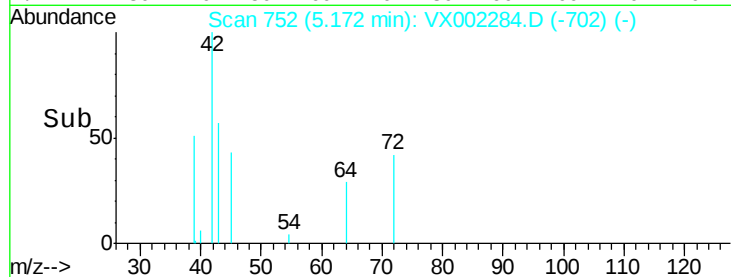
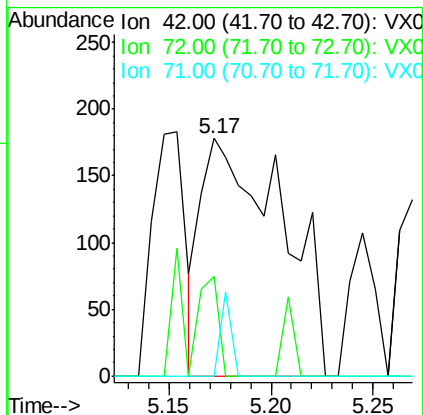
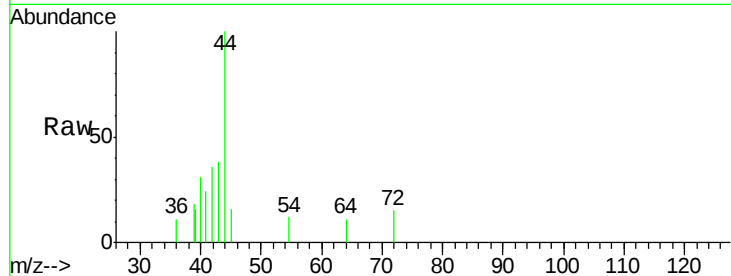




#29  
Tetrahydrofuran  
Concen: 0.32 ug/l  
RT: 5.17 min Scan# 752  
Delta R.T. 0.01 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

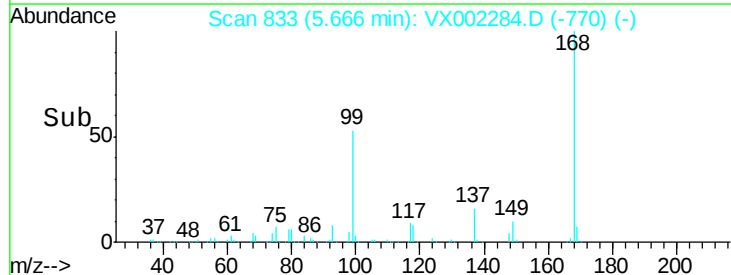
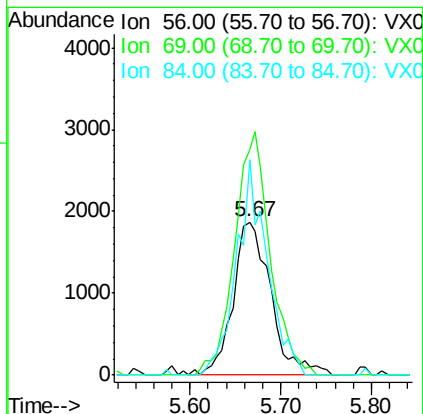
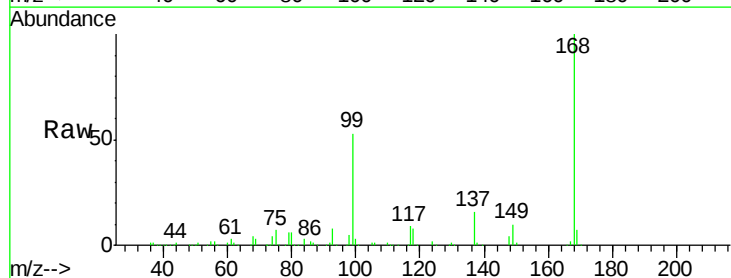
Instrument :  
MSVOA\_X  
ClientSampled :

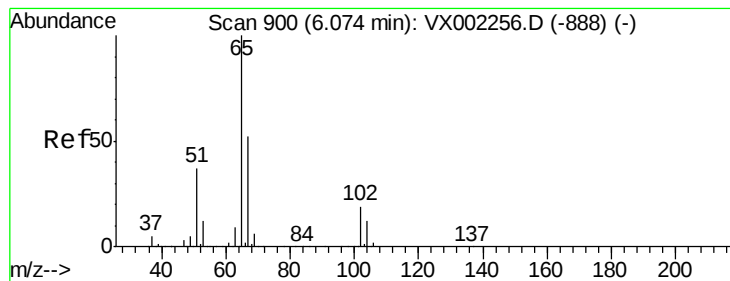
Tot Ion: 42 Resp: 492  
Ion Ratio Lower Upper  
42 100  
72 10.4 32.0 48.0#  
71 4.7 30.1 45.1#



#31  
Cyclohexane  
Concen: 1.24 ug/l  
RT: 5.67 min Scan# 833  
Delta R.T. 0.09 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

Tgt Ion: 56 Resp: 5410  
Ion Ratio Lower Upper  
56 100  
69 147.7 23.7 35.5#  
84 140.7 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 48.81 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Instrument :

MSVOA\_X

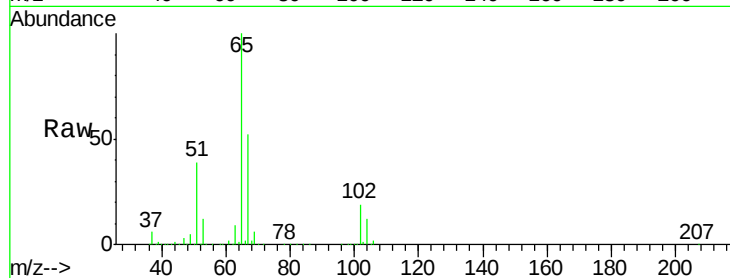
ClientSampleId :

Tot Ion: 65 Resp: 169535

Ion Ratio Lower Upper

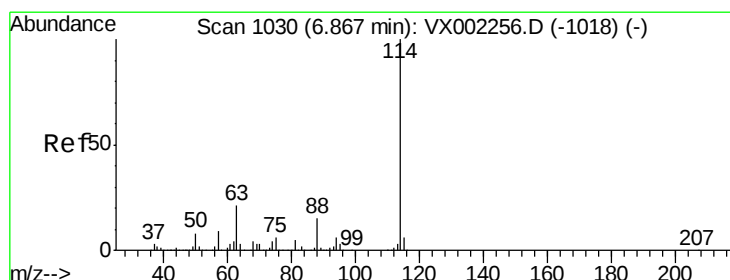
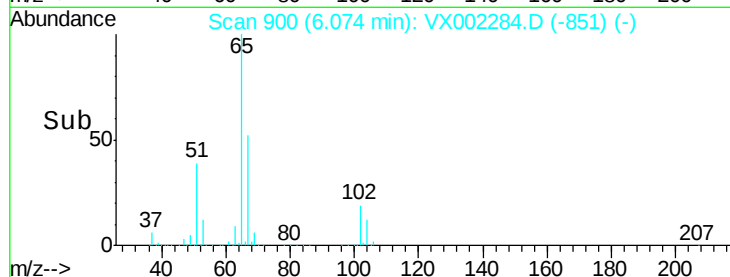
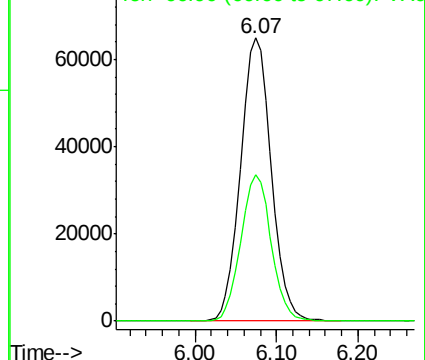
65 100

67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

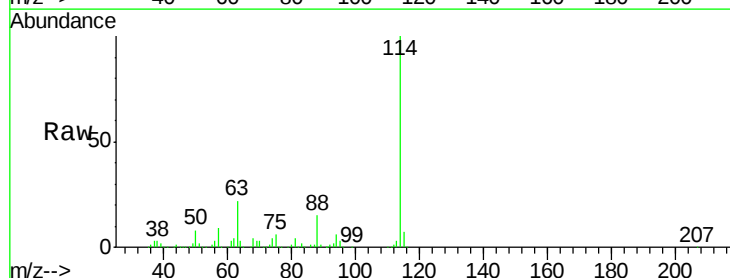
Tgt Ion: 114 Resp: 353308

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.4

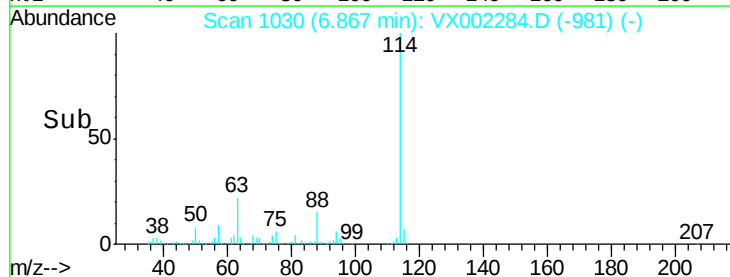
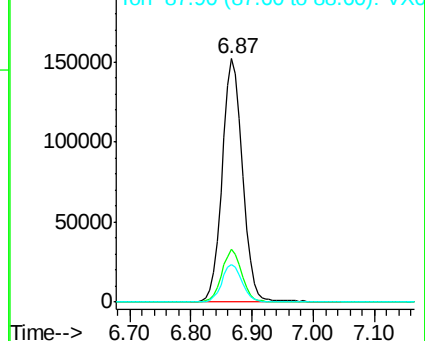
88 15.4 0.0 30.0

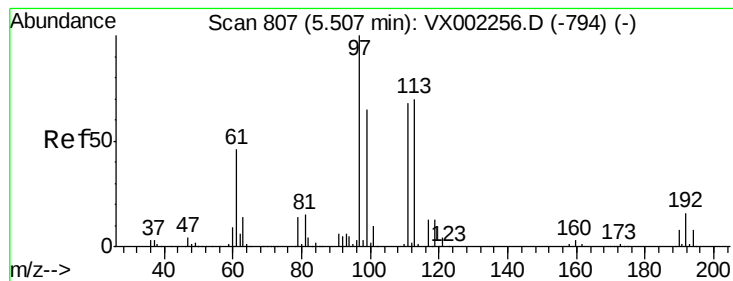


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.66 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Instrument :

MSVOA\_X

ClientSampled :

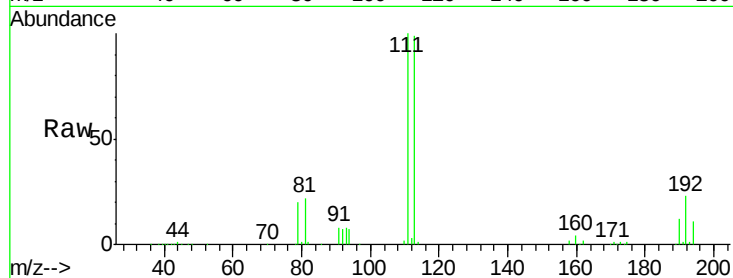
Tot Ion:113 Resp: 124086

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

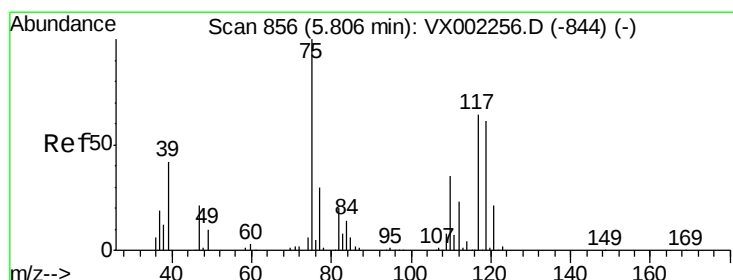
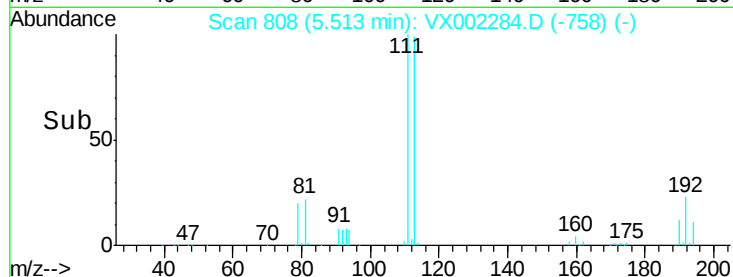
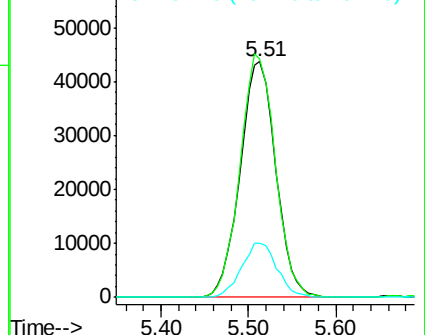
192 22.9 19.1 28.7



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



#36

1,1-Dichloropropene

Concen: 4.70 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

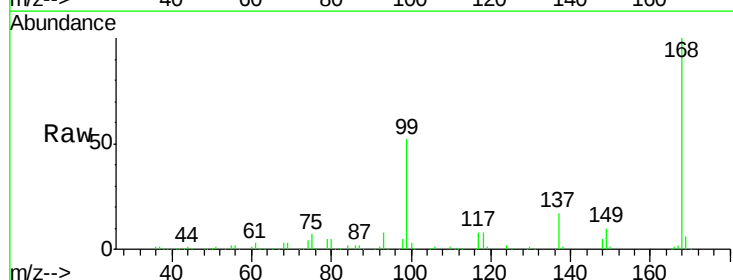
Tgt Ion: 75 Resp: 17465

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.4#

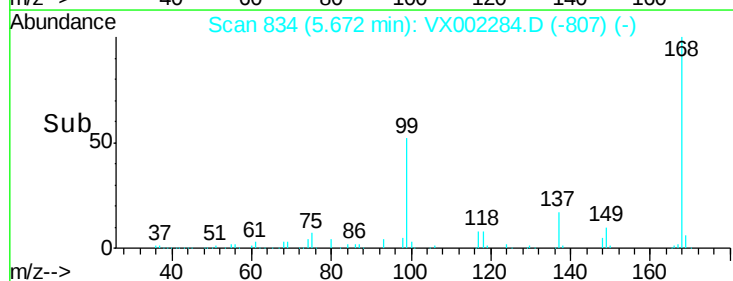
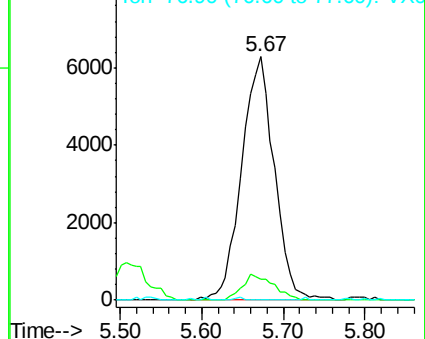
77 0.0 24.3 36.5#

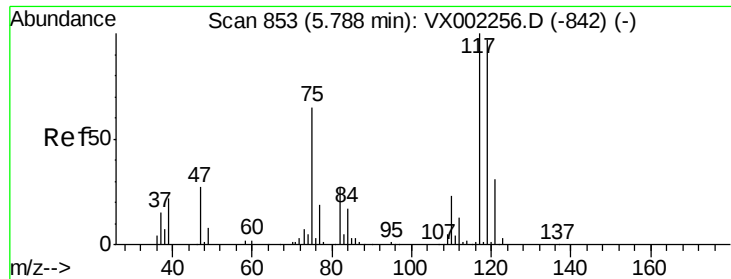


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.65 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Instrument :

MSVOA\_X

ClientSampled :

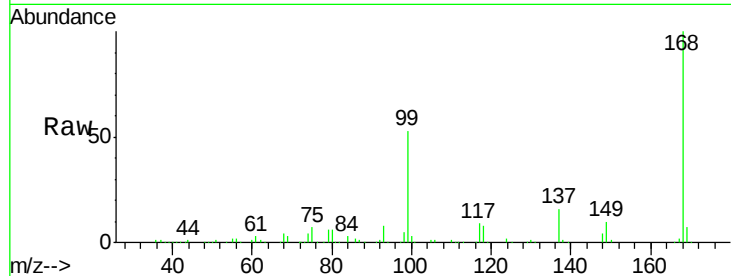
Tot Ion:117 Resp: 21961

Ion Ratio Lower Upper

117 100

119 4.6 77.4 116.0#

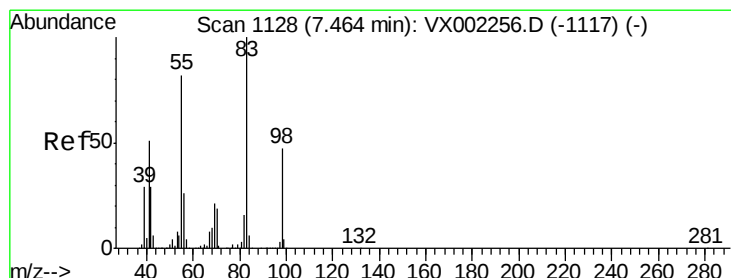
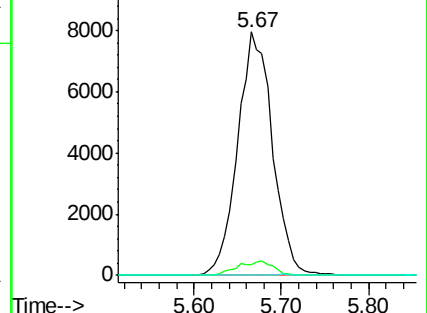
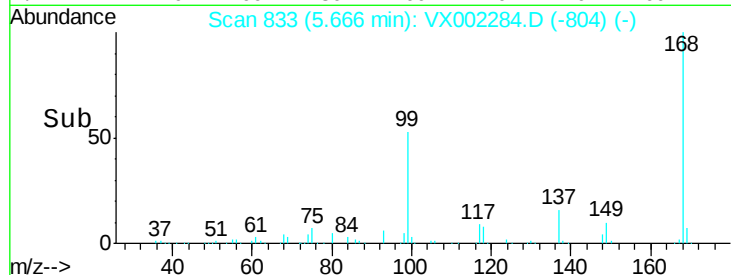
121 0.0 24.4 36.6#



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



#39

Methylcyclohexane

Concen: 0.28 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

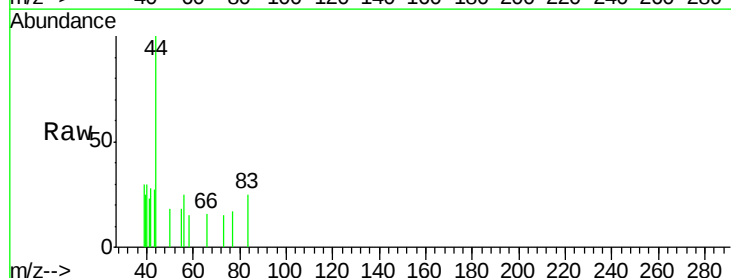
Tgt Ion: 83 Resp: 59

Ion Ratio Lower Upper

83 100

55 73.7 65.4 98.0

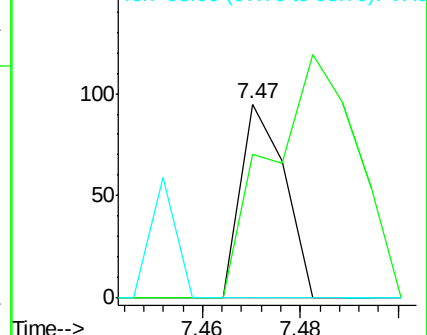
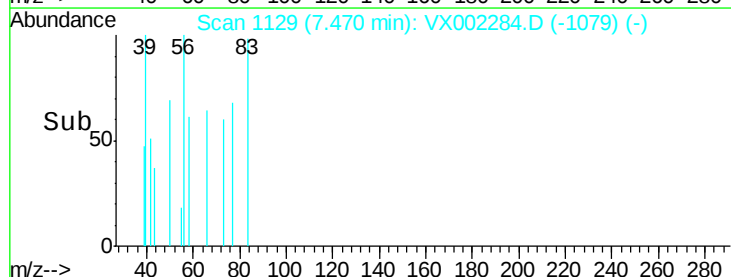
98 0.0 37.4 56.0#

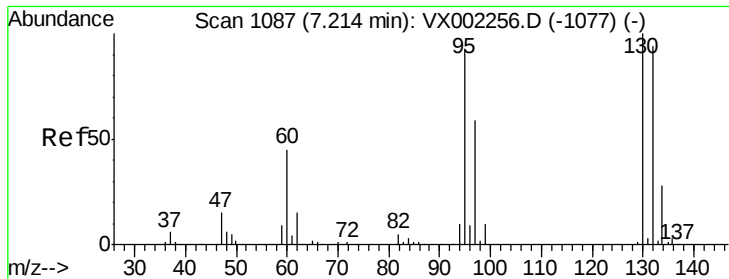


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 1.18 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Instrument :

MSVOA\_X

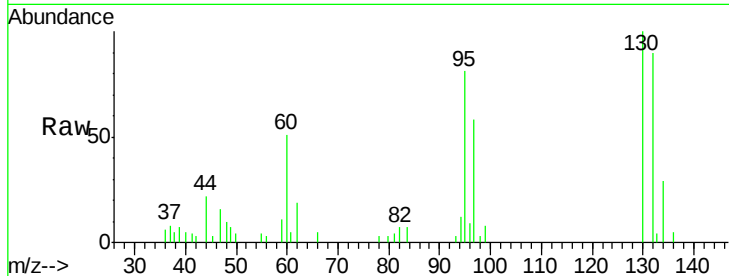
ClientSampleId :

Tot Ion:130 Resp: 3724

Ion Ratio Lower Upper

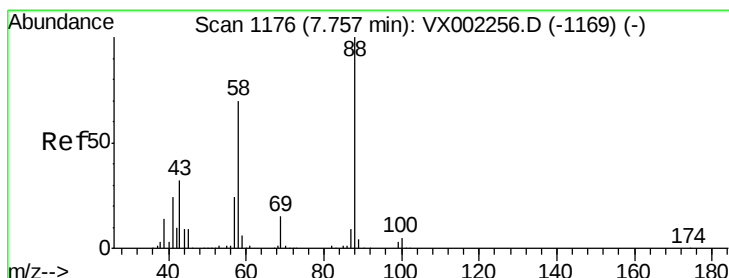
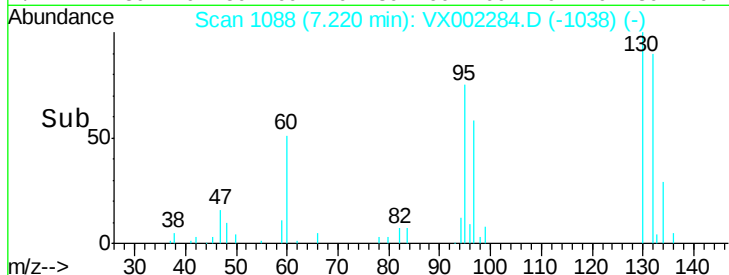
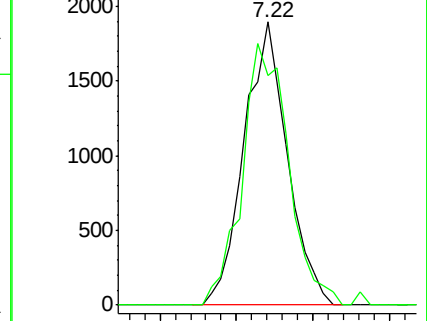
130 100

95 80.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.38 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

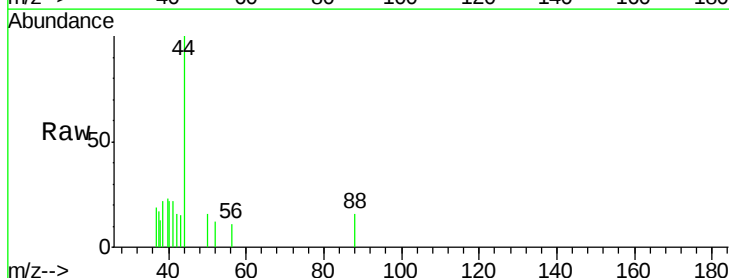
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 1251.9 29.8 44.6#

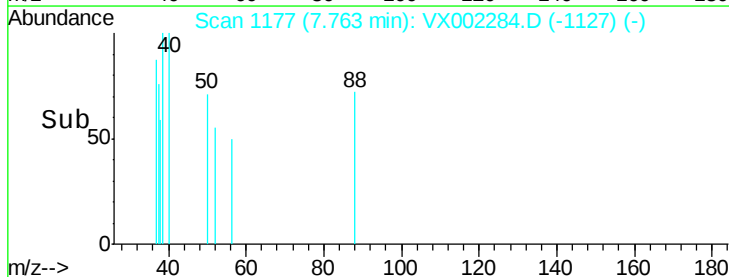
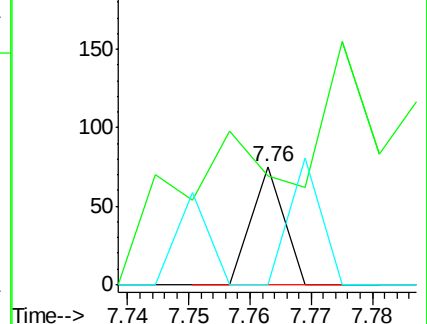
58 111.1 57.1 85.7#

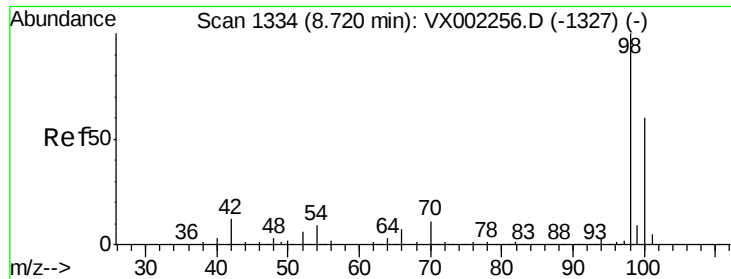


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

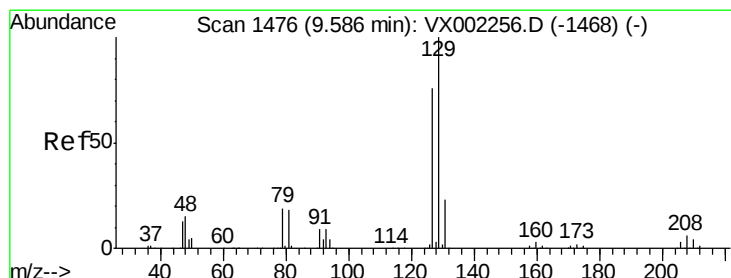
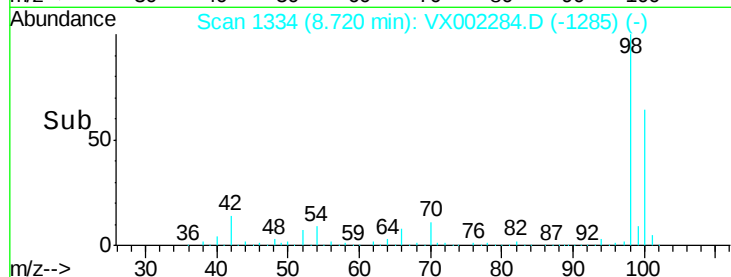
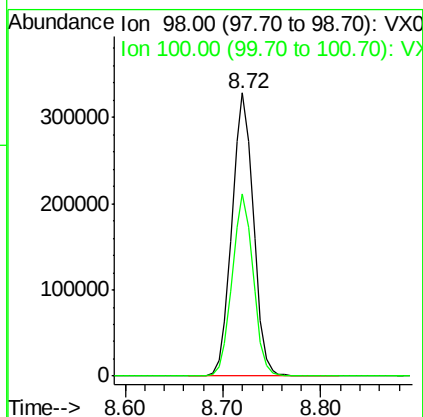
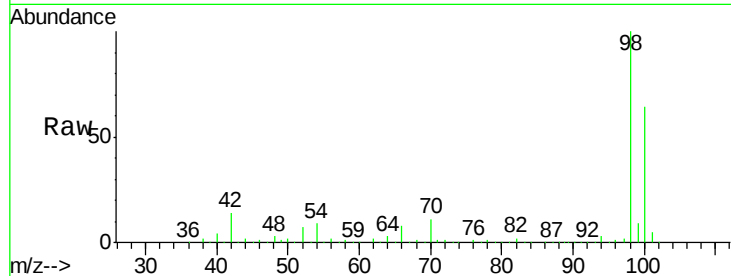




#50  
Toluene-d8  
Concen: 47.20 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

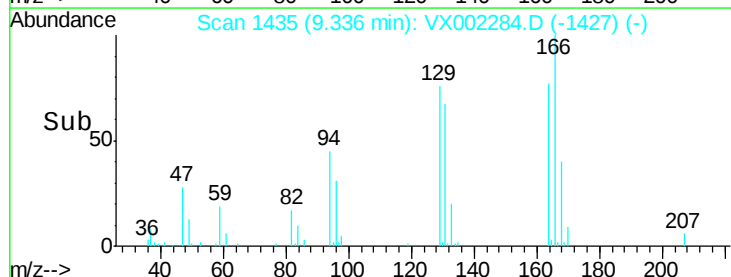
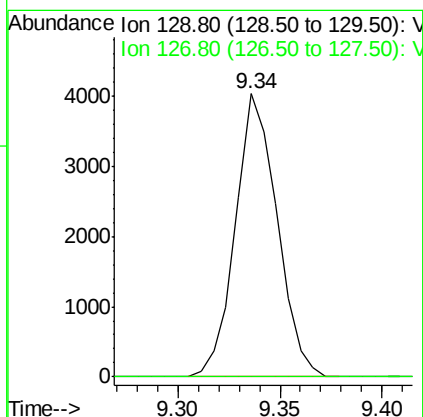
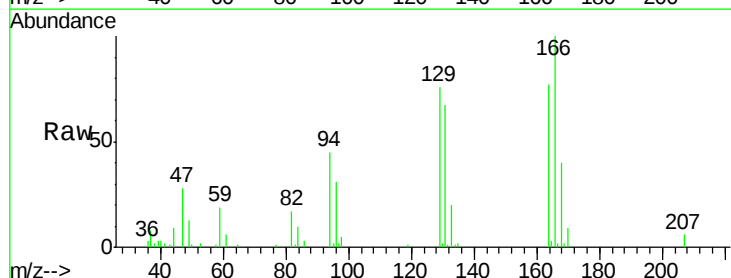
Instrument :  
MSVOA\_X  
ClientSampleId :

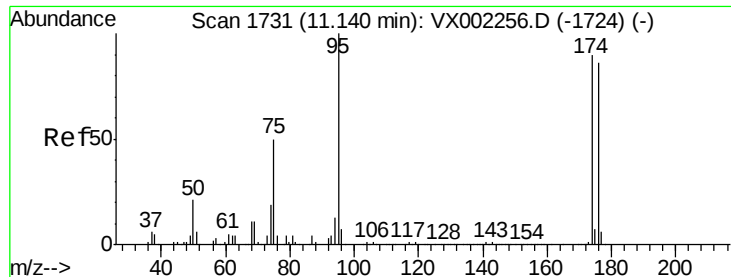
Tot Ion: 98 Resp: 502675  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.9 76.3



#60  
Dibromochloromethane  
Concen: 1.91 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. -0.25 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

Tgt Ion:129 Resp: 5717  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 39.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

Instrument :

MSVOA\_X

ClientSampleId :

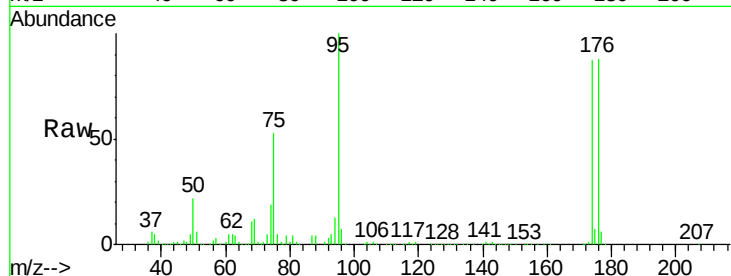
Tot Ion: 95 Resp: 163874

Ion Ratio Lower Upper

95 100

174 92.6 0.0 187.4

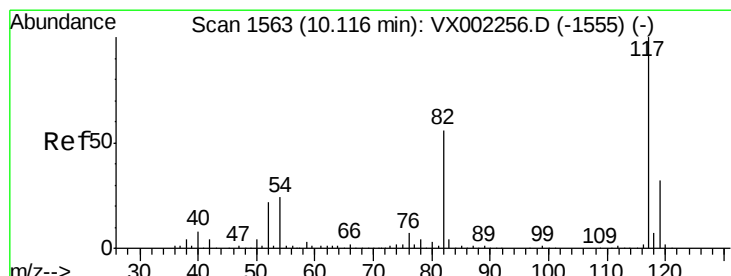
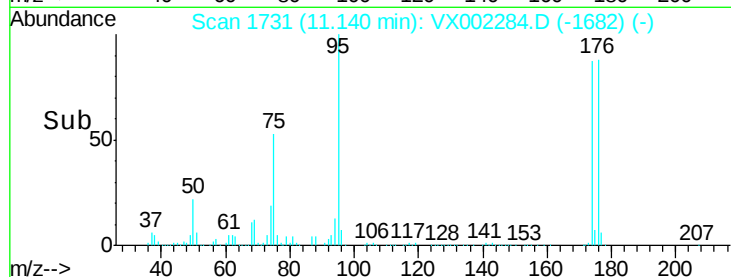
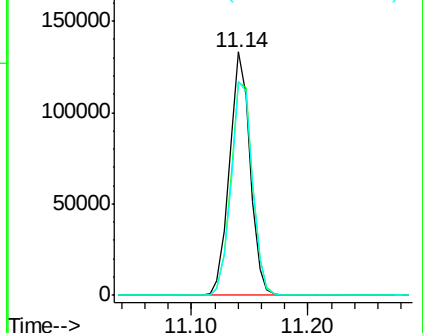
176 91.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002284.D

Acq: 05 Jun 2018 02:45

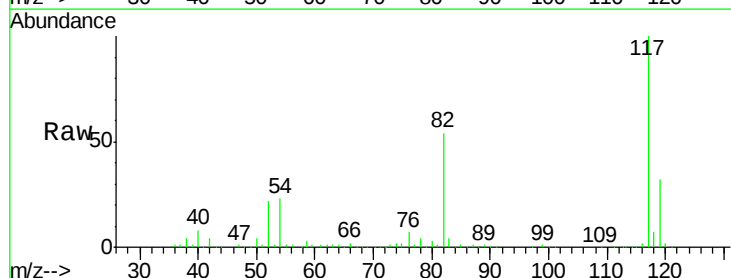
Tgt Ion: 117 Resp: 313389

Ion Ratio Lower Upper

117 100

82 54.4 45.0 67.4

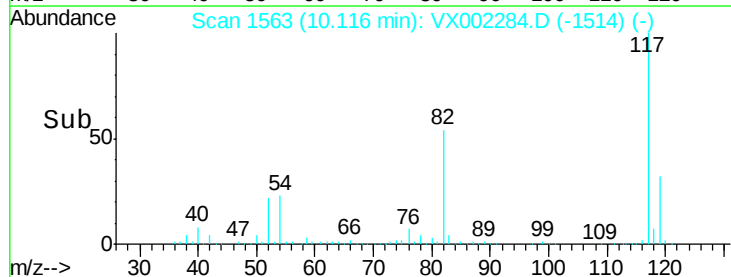
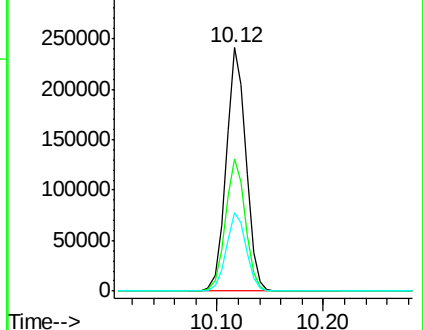
119 32.1 25.8 38.6

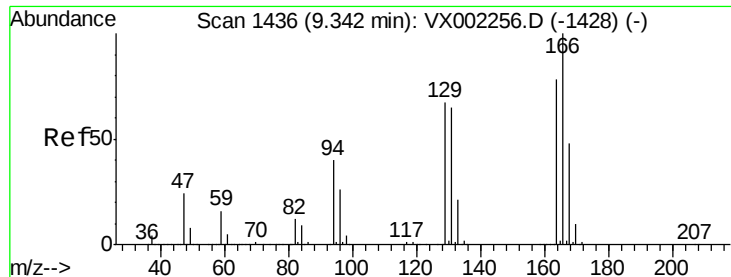


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

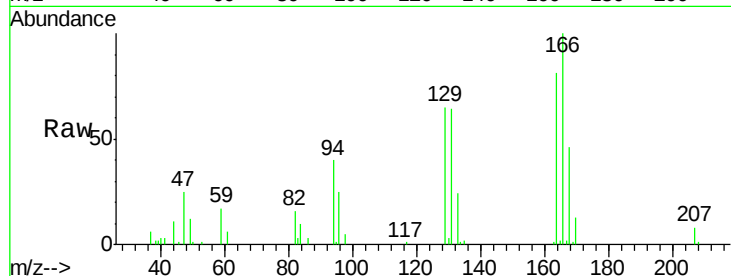




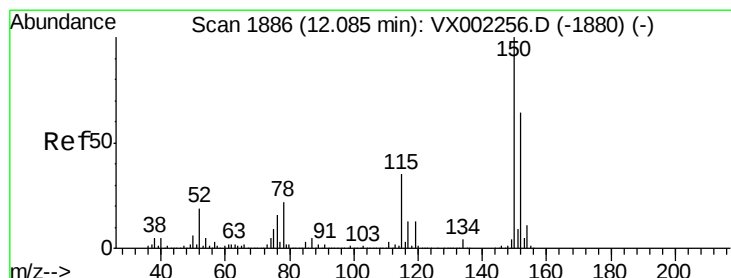
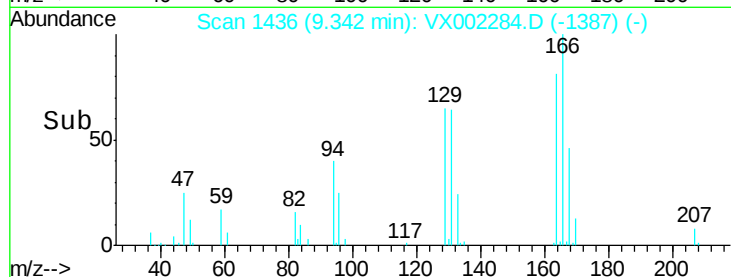
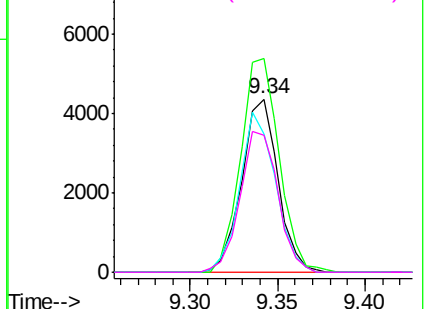
#64  
Tetrachloroethene  
Concen: 1.94 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. 0.00 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:164 Resp: 6283  
Ion Ratio Lower Upper  
164 100  
166 123.2 102.9 154.3  
129 80.1 68.6 102.8  
131 78.8 66.8 100.2

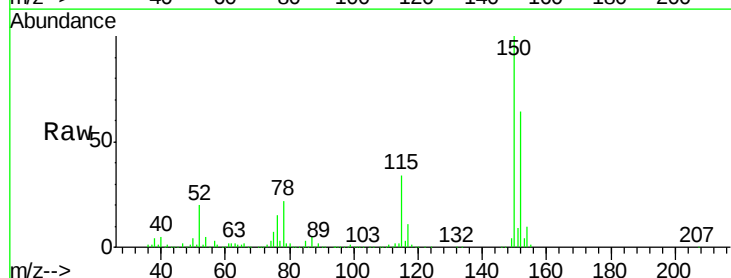


Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

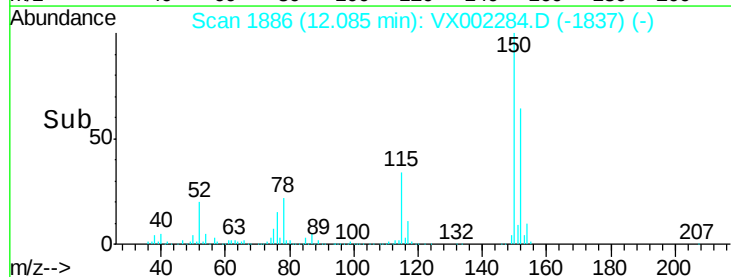
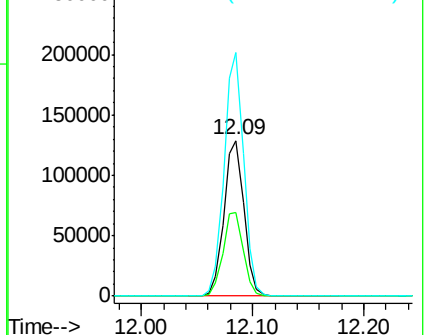


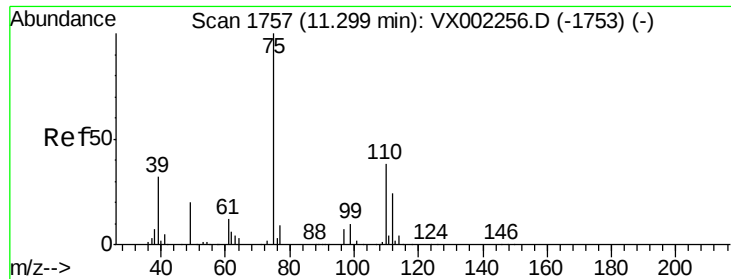
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX002284.D  
Acq: 05 Jun 2018 02:45

Tgt Ion:152 Resp: 159437  
Ion Ratio Lower Upper  
152 100  
115 54.8 40.1 120.2  
150 154.2 0.0 347.2



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

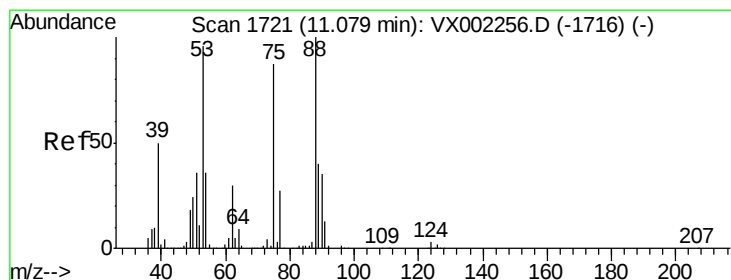
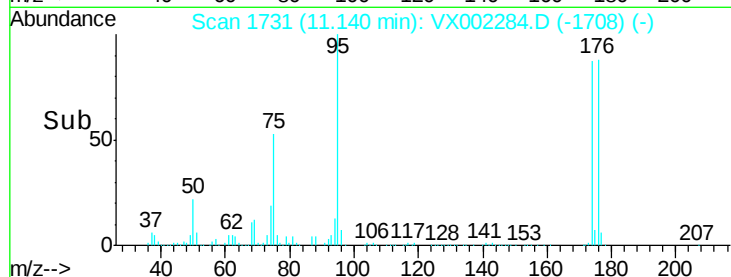
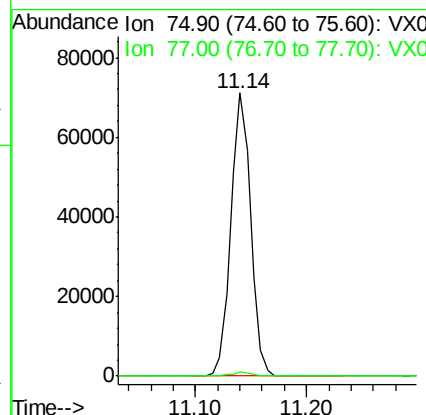
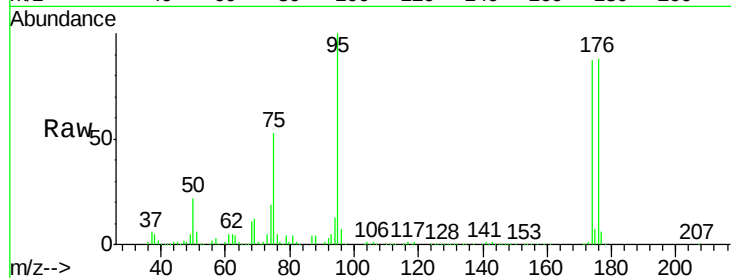




#76  
 1,2,3-Trichloropropane  
 Concen: 25.01 ug/l  
 RT: 11.14 min Scan# 1731  
 Delta R.T. -0.16 min  
 Lab File: VX002284.D  
 Acq: 05 Jun 2018 02:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion: 75 Resp: 87488  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 22.8 68.3#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 87.66 ug/l  
 RT: 11.14 min Scan# 1731  
 Delta R.T. 0.06 min  
 Lab File: VX002284.D  
 Acq: 05 Jun 2018 02:45

Tgt Ion: 75 Resp: 87488  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 86.8 130.2#  
 89 0.0 38.2 57.2#

