

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\  
 Data File : VX004654.D  
 Acq On : 18 Sep 2018 13:35  
 Operator : JC/MD  
 Sample : J4898-01 10X  
 Misc : 5.26g/5mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 18 15:24:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 02:17:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 183093   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 308162   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 274277   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 170495   | 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   | 123516   | 52.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.64% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 108856   | 38.60 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 77.20%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 403433   | 42.66 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 85.32%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 154027   | 45.63 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.26%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.32  | 50   | 560      | 0.237     | ug/l # | 82     |
| 5) Bromomethane                | 1.64  | 94   | 1049     | Below Cal | #      | 70     |
| 10) Methyl Iodide              | 2.51  | 142  | 925      | 4.604     | ug/l # | 89     |
| 11) Tert butyl alcohol         | 3.01  | 59   | 514      | 0.912     | ug/l # | 72     |
| 13) Acrolein                   | 2.30  | 56   | 110      | 0.495     | ug/l # | 16     |
| 15) Acrylonitrile              | 3.15  | 53   | 405      | 0.299     | ug/l # | 64     |
| 16) Acetone                    | 2.45  | 43   | 764      | 0.663     | ug/l   | 90     |
| 17) Carbon Disulfide           | 2.56  | 76   | 1937     | 0.350     | ug/l   | 98     |
| 18) Methyl Acetate             | 2.78  | 43   | 1193     | 0.369     | ug/l   | 97     |
| 20) Methylene Chloride         | 2.85  | 84   | 3385     | 1.432     | ug/l   | 93     |
| 25) 2-Butanone                 | 4.71  | 43   | 566      | 0.309     | ug/l # | 47     |
| 29) Tetrahydrofuran            | 5.19  | 42   | 490      | 0.443     | ug/l # | 43     |
| 36) 1,1-Dichloropropene        | 5.67  | 75   | 11885    | 3.177     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 5.66  | 117  | 16075    | 4.399     | ug/l # | 16     |
| 39) Methylcyclohexane          | 7.46  | 83   | 1062     | 0.272     | ug/l   | 93     |
| 40) Benzene                    | 6.14  | 78   | 591965   | 53.328    | ug/l   | 98     |
| 42) 1,2-Dichloroethane         | 6.13  | 62   | 4711     | 1.280     | ug/l # | 72     |
| 52) Toluene                    | 8.79  | 92   | 641557   | 98.096    | ug/l   | 97     |
| 55) 1,1,2-Trichloroethane      | 9.08  | 97   | 7806     | 2.772     | ug/l # | 20     |
| 67) Ethyl Benzene              | 10.26 | 91   | 570221   | 51.474    | ug/l   | 98     |
| 68) m/p-Xylenes                | 10.36 | 106  | 439422   | 102.976   | ug/l   | 98     |
| 69) o-Xylene                   | 10.70 | 106  | 149044   | 36.330    | ug/l   | 98     |
| 70) Styrene                    | 10.71 | 104  | 15096    | 2.221     | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.02 | 105  | 11417    | 1.017     | ug/l   | 95     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 72085    | 21.015    | ug/l # | 37     |
| 78) n-propylbenzene            | 11.36 | 91   | 10772    | 0.834     | ug/l   | 99     |
| 79) 2-Chlorotoluene            | 11.55 | 91   | 1720     | 0.220     | ug/l   | 97     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 172319   | 18.255    | ug/l   | 98     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 72085    | 66.984    | ug/l # | 10     |
| 83) tert-Butylbenzene          | 11.81 | 119  | 53074    | 5.906     | ug/l # | 62     |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 409952   | 42.537    | ug/l   | 100    |
| 85) sec-Butylbenzene           | 11.81 | 105  | 409952   | 35.798    | ug/l # | 55     |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 10206    | 1.009     | ug/l   | 89     |
| 89) n-Butylbenzene             | 12.38 | 91   | 12302    | 1.335     | ug/l # | 21     |

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Sep 18 15:24:26 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 12 02:17:23 2018  
Response via : Initial Calibration

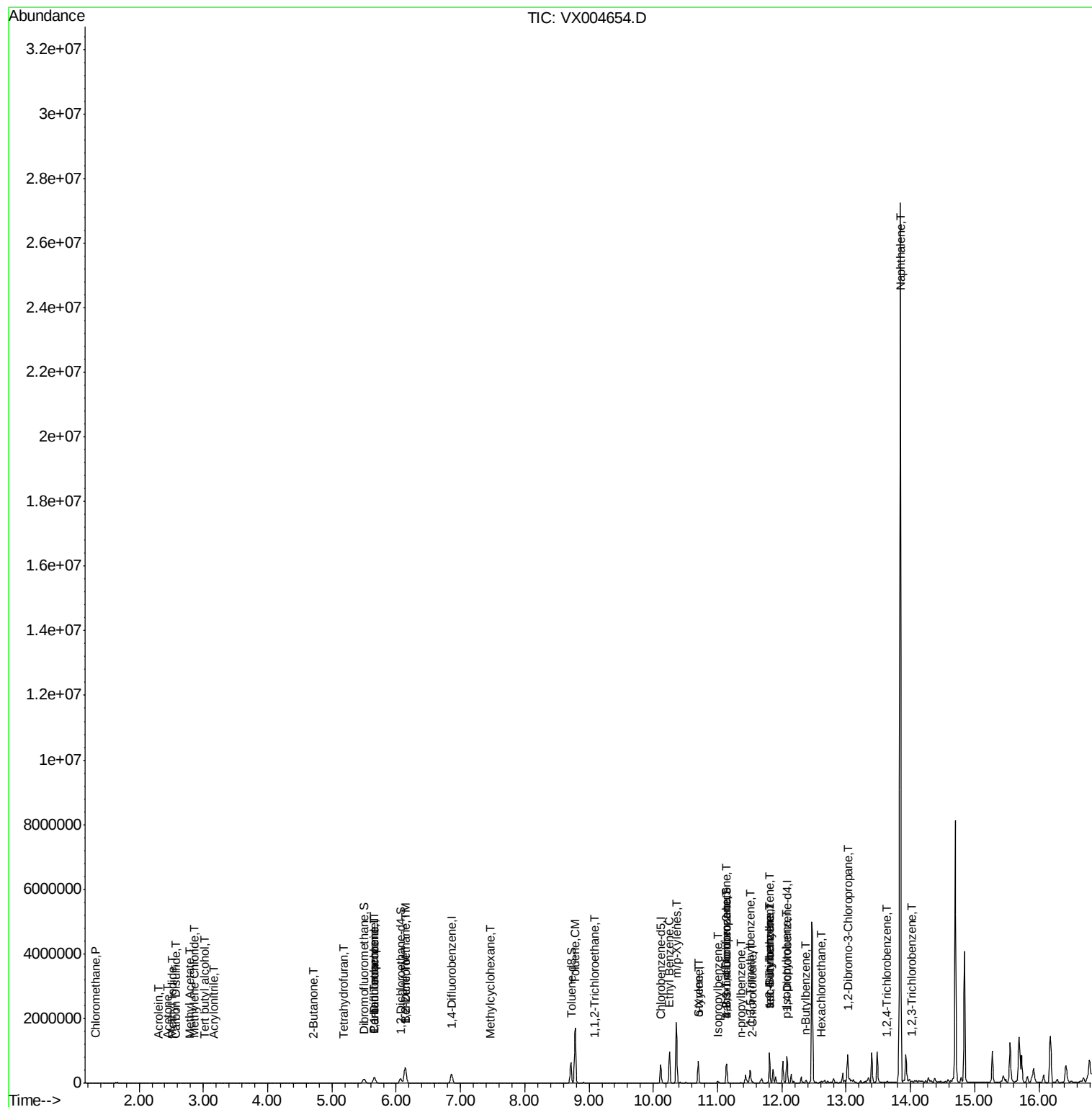
| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 90) Hexachloroethane           | 12.61 | 117  | 5924     | 3.659    | ug/l # | 3        |
| 92) 1,2-Dibromo-3-Chloropropan | 13.02 | 75   | 12704    | 16.427   | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 1262     | 0.304    | ug/l # | 87       |
| 95) Naphthalene                | 13.84 | 128  | 14226665 | 1222.257 | ug/l # | 84       |
| 96) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 1016     | 0.238    | ug/l # | 1        |

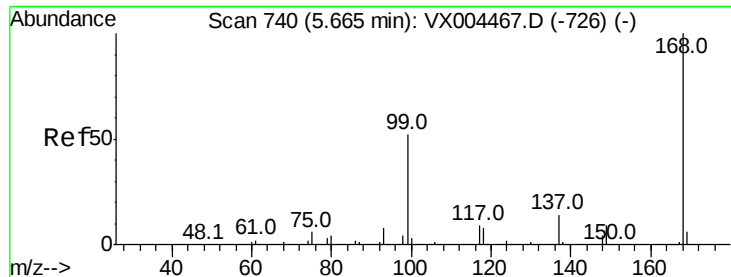
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091818\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

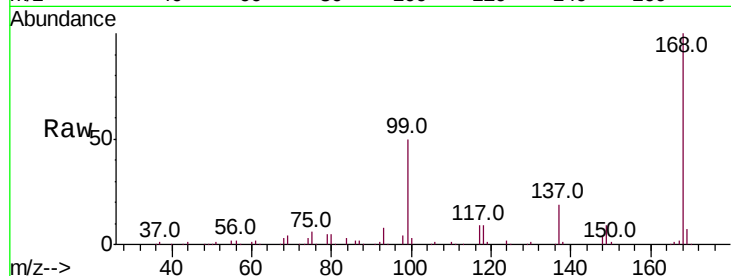
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:168 Resp: 183093

Ion Ratio Lower Upper

168 100

99 49.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX004467.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX004467.D (-726) (-)

5.66

60000

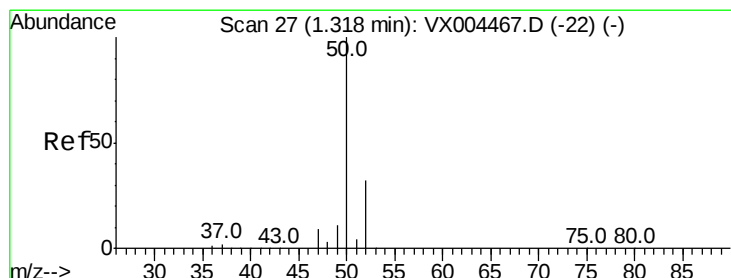
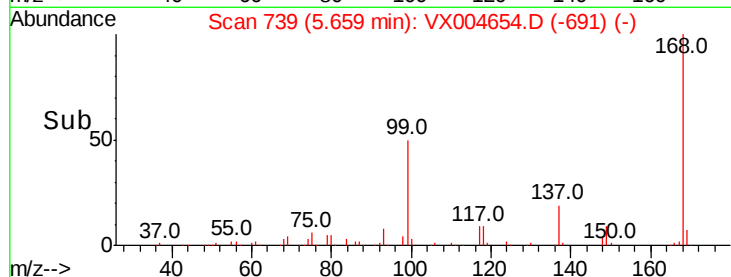
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX004654.D

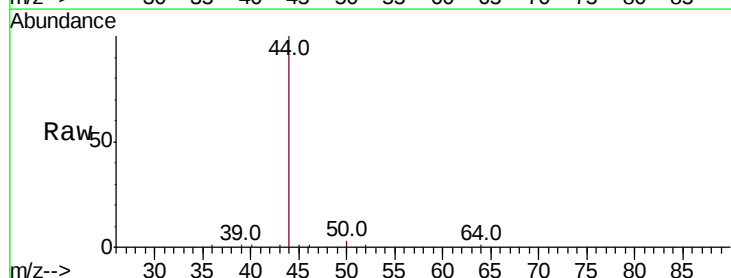
Acq: 18 Sep 2018 13:35

Tgt Ion: 50 Resp: 560

Ion Ratio Lower Upper

50 100

52 42.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX004467.D (-22) (-)

Ion 51.90 (51.60 to 52.60): VX004467.D (-22) (-)

1.32

300

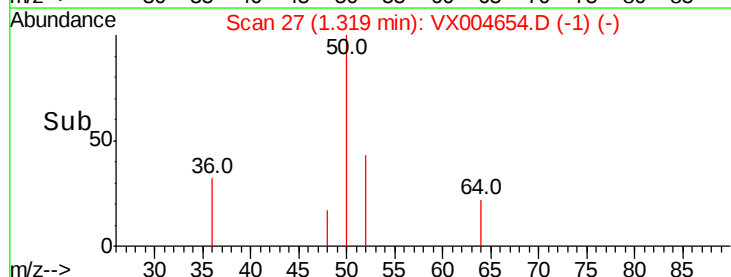
200

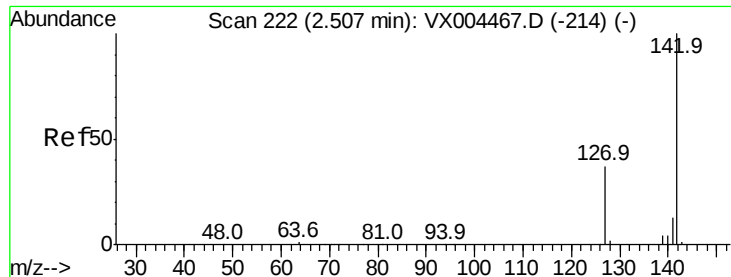
100

0

1.30 1.35

Time-->

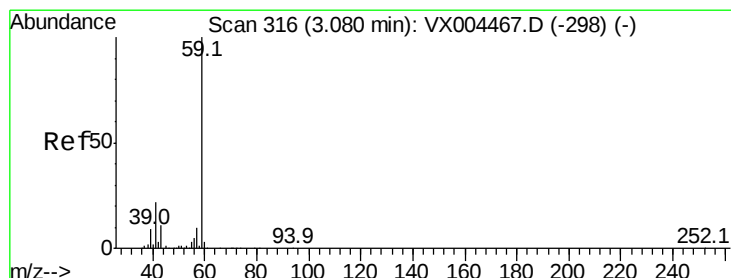
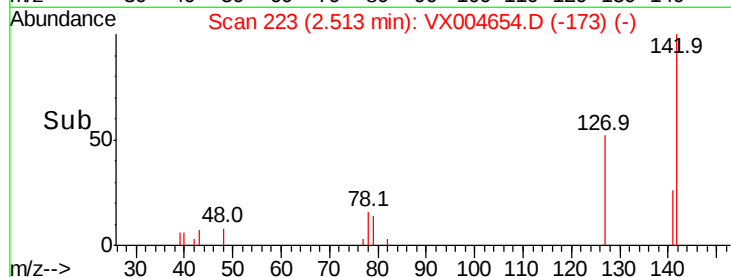
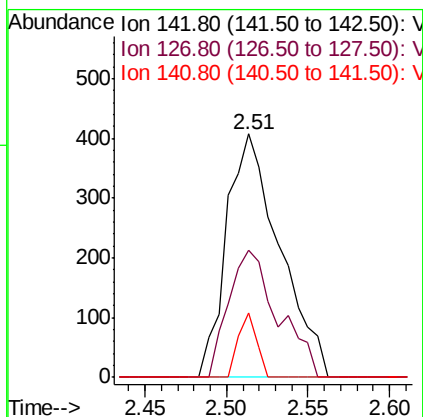
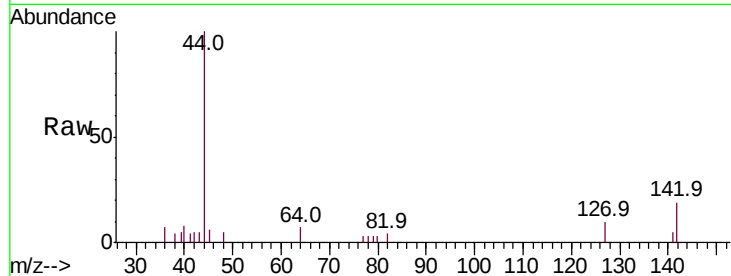




#10  
Methvl Iodide  
Concen: 4.604 ug/l  
RT: 2.51 min Scan# 223  
Delta R.T. 0.01 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

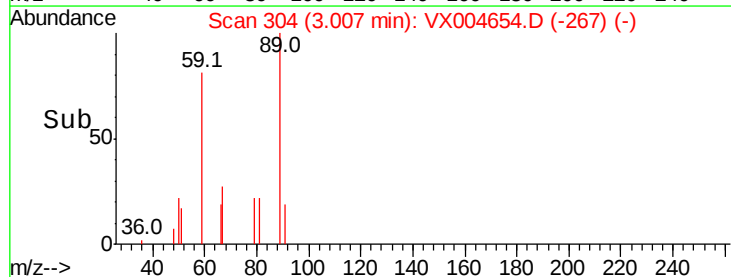
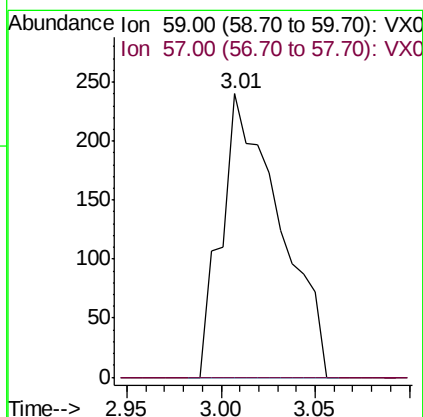
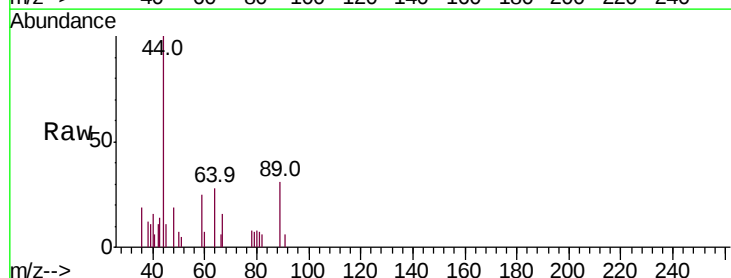
Instrument :  
MSVOA\_X  
ClientSampleId :

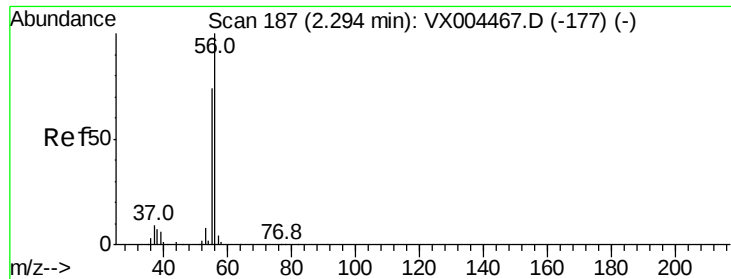
Tot Ion:142 Resp: 925  
Ion Ratio Lower Upper  
142 100  
127 48.6 33.8 50.6  
141 9.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 0.912 ug/l  
RT: 3.01 min Scan# 304  
Delta R.T. -0.07 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

Tgt Ion: 59 Resp: 514  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

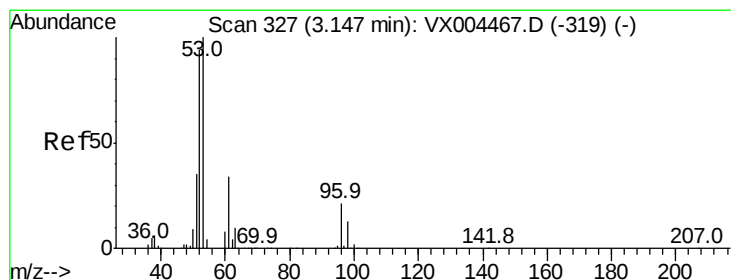
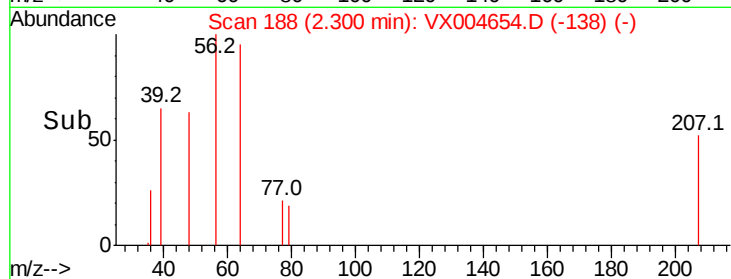
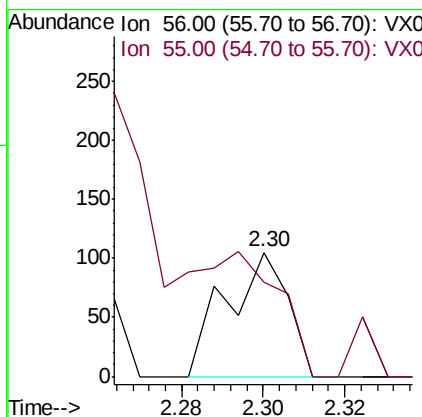
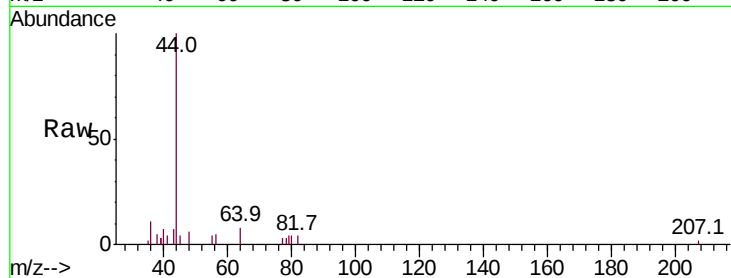




#13  
Acrolein  
Concen: 0.495 ug/l  
RT: 2.30 min Scan# 188  
Delta R.T. 0.01 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

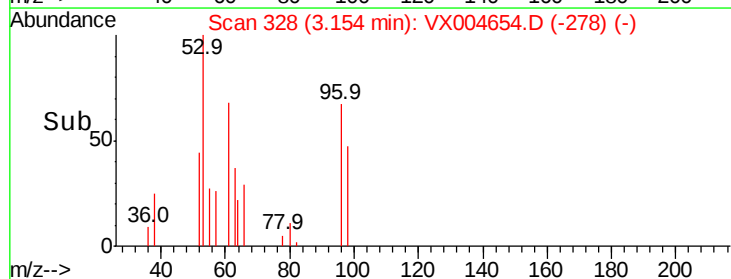
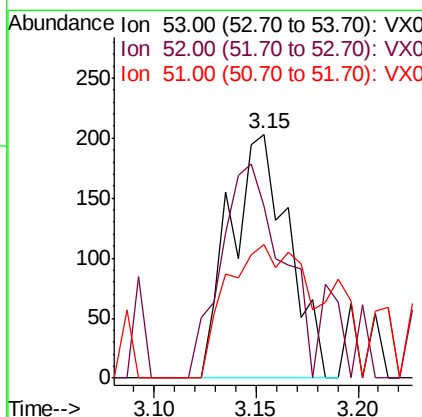
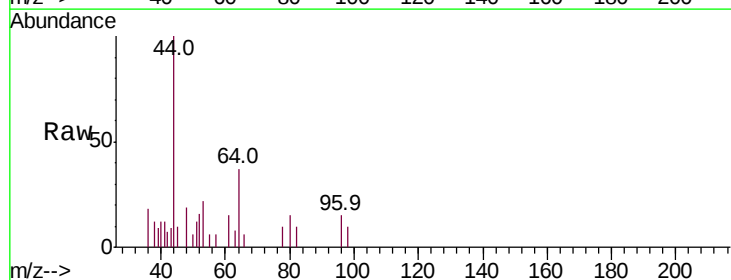
Instrument :  
MSVOA\_X  
ClientSampled :

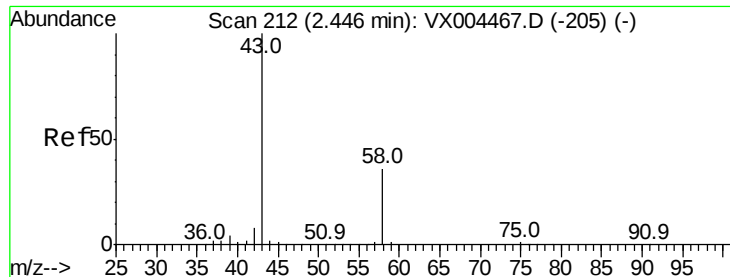
Tot Ion: 56 Resp: 110  
Ion Ratio Lower Upper  
56 100  
55 0.0 54.7 82.1#



#15  
Acrylonitrile  
Concen: 0.299 ug/l  
RT: 3.15 min Scan# 328  
Delta R.T. 0.01 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

Tgt Ion: 53 Resp: 405  
Ion Ratio Lower Upper  
53 100  
52 91.1 65.2 97.8  
51 90.1 28.2 42.2#





#16

Acetone

Concen: 0.663 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

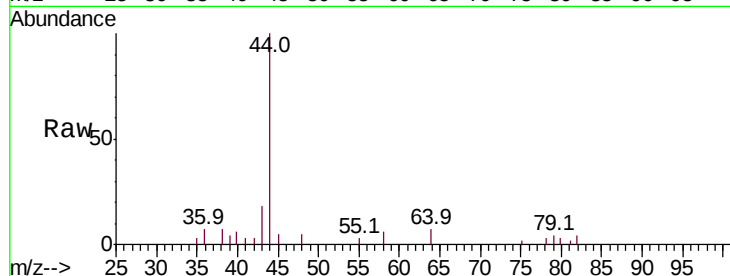
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 43 Resp: 764

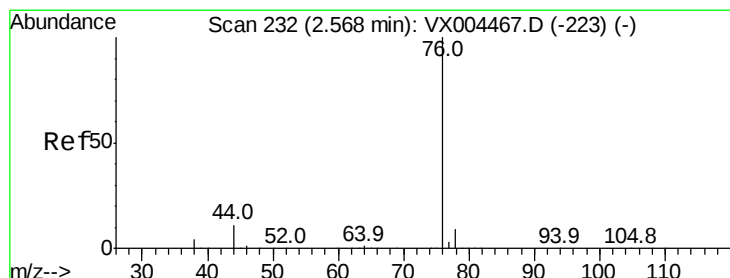
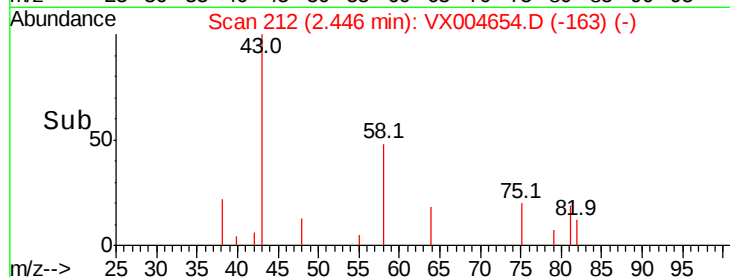
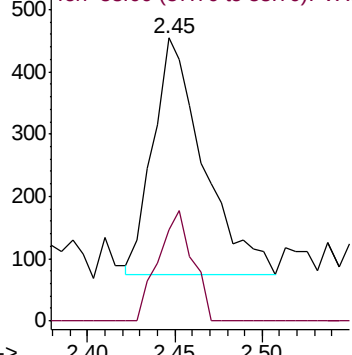
Ion Ratio Lower Upper

43 100

58 38.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.350 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004654.D

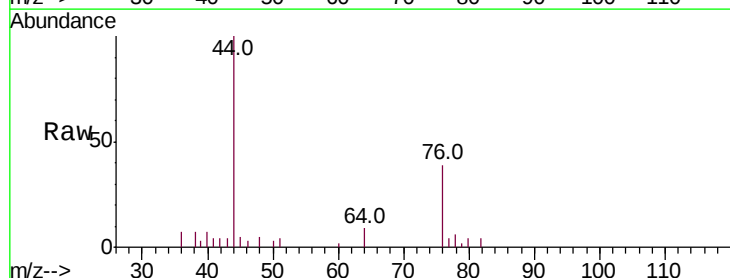
Acq: 18 Sep 2018 13:35

Tgt Ion: 76 Resp: 1937

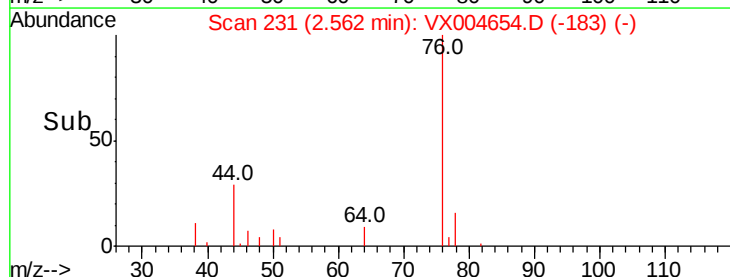
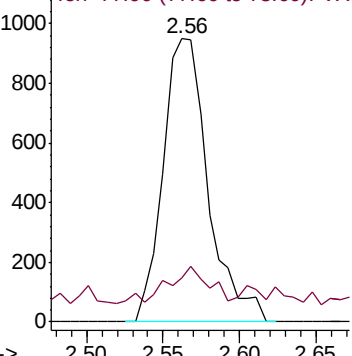
Ion Ratio Lower Upper

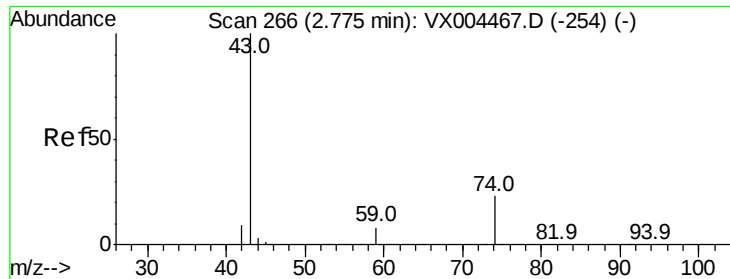
76 100

78 7.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0  
Ion 77.90 (77.60 to 78.60): VX0

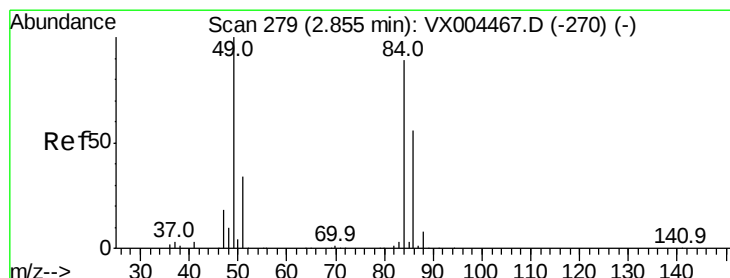
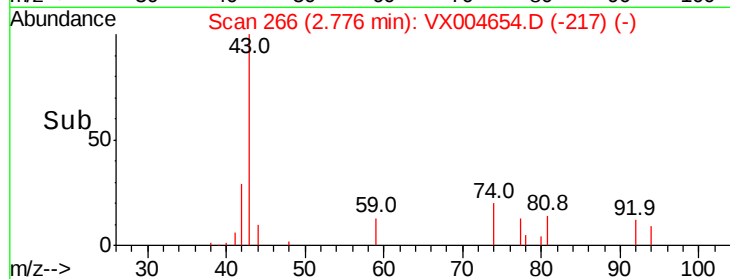
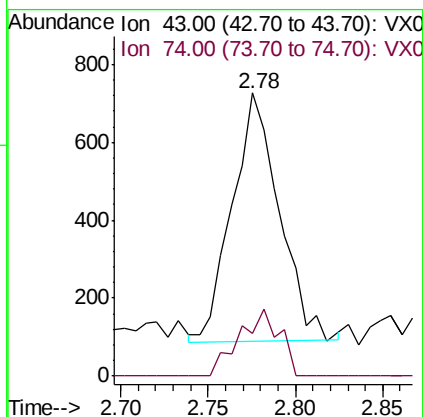
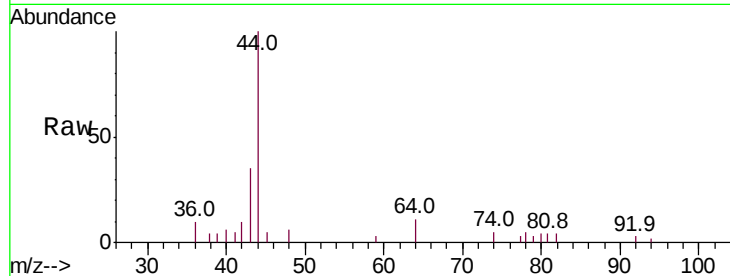




#18  
Methyl Acetate  
Concen: 0.369 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

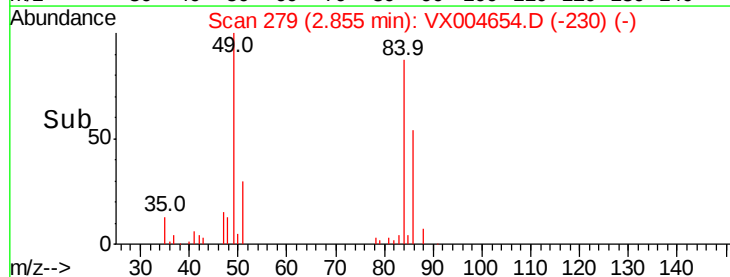
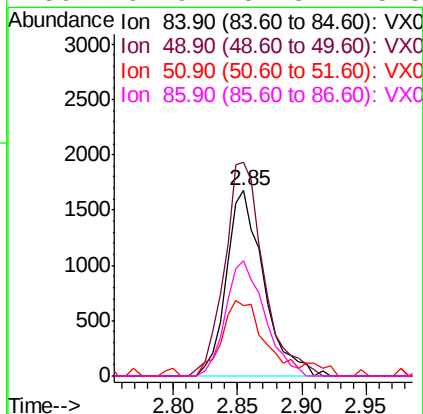
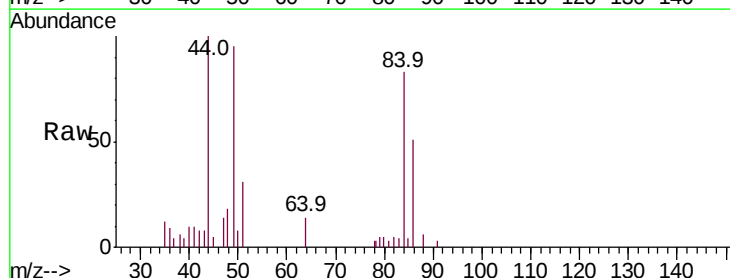
Instrument :  
MSVOA\_X  
ClientSampleId :

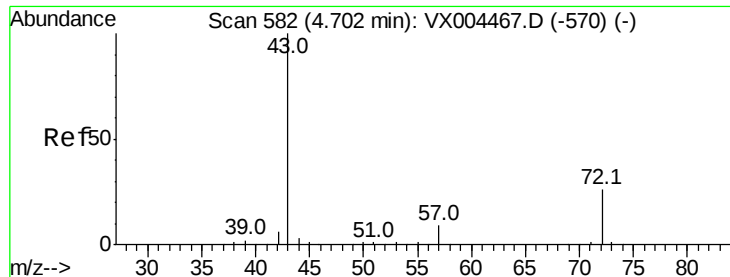
Tot Ion: 43 Resp: 1193  
Ion Ratio Lower Upper  
43 100  
74 22.9 19.4 29.2



#20  
Methylene Chloride  
Concen: 1.432 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

Tgt Ion: 84 Resp: 3385  
Ion Ratio Lower Upper  
84 100  
49 115.1 101.2 151.8  
51 37.9 29.5 44.3  
86 61.9 52.3 78.5





#25

2-Butanone

Concen: 0.309 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

Instrument :

MSVOA\_X

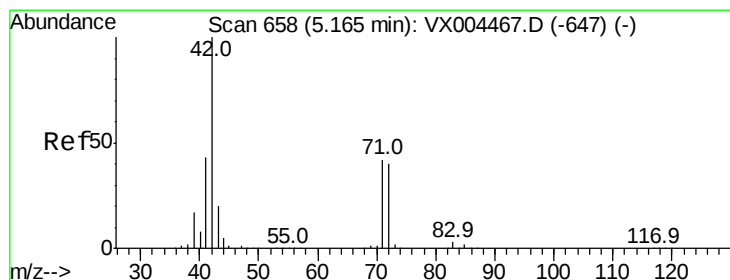
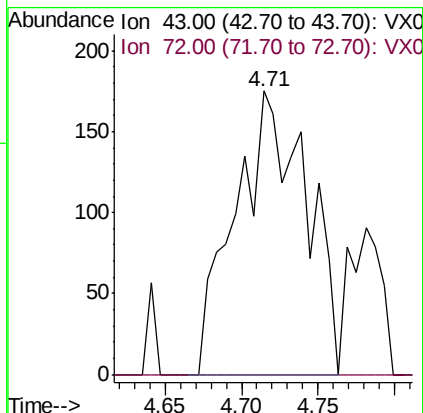
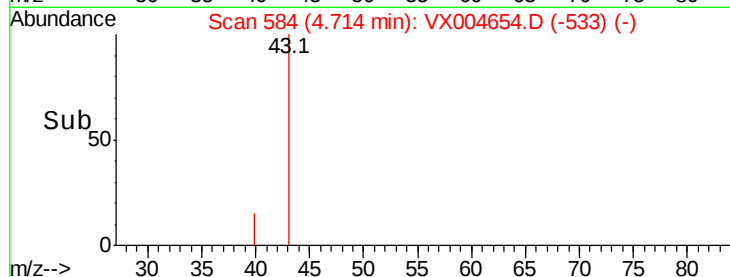
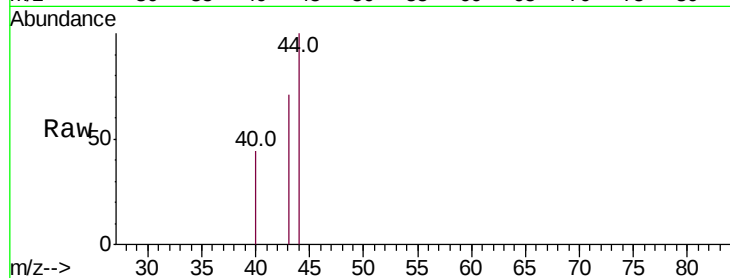
ClientSampled :

Tot Ion: 43 Resp: 566

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#29

Tetrahydrofuran

Concen: 0.443 ug/l

RT: 5.19 min Scan# 662

Delta R.T. 0.02 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

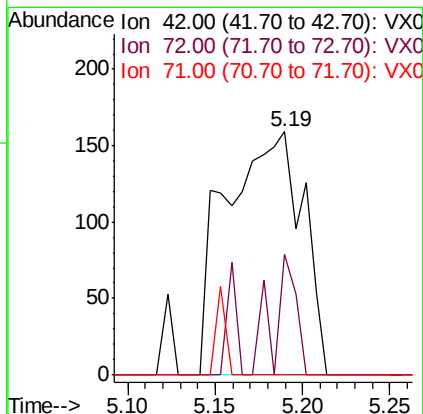
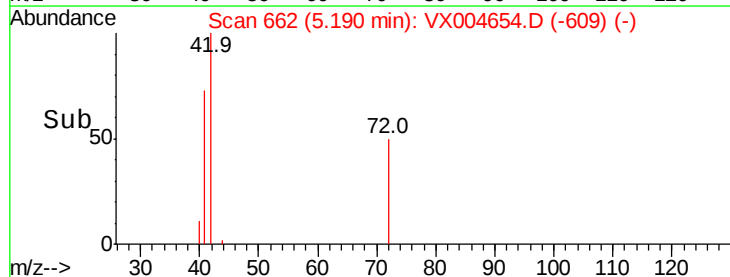
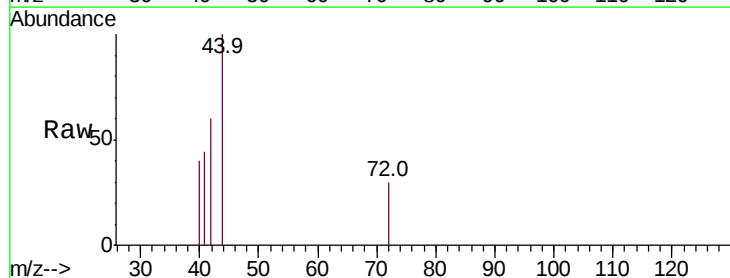
Tgt Ion: 42 Resp: 490

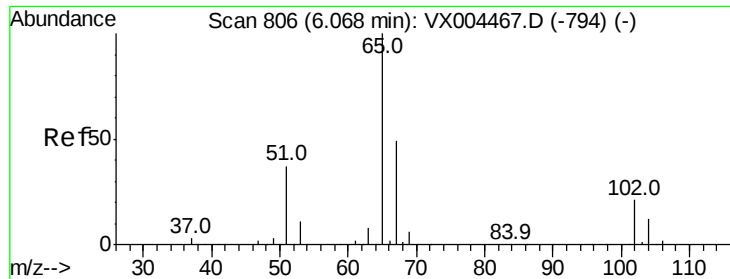
Ion Ratio Lower Upper

42 100

72 14.5 37.4 56.0#

71 0.0 34.5 51.7#





#33

1,2-Dichloroethane-d4

Concen: 52.319 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

Instrument :

MSVOA\_X

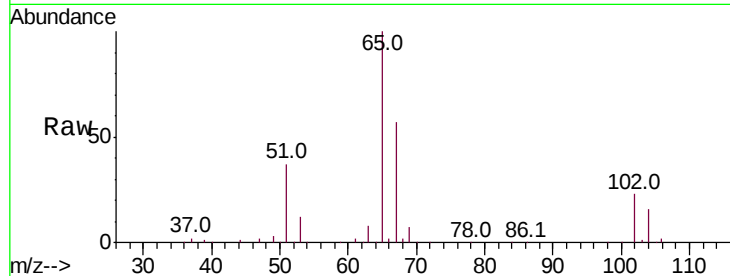
ClientSampled :

Tot Ion: 65 Resp: 123516

Ion Ratio Lower Upper

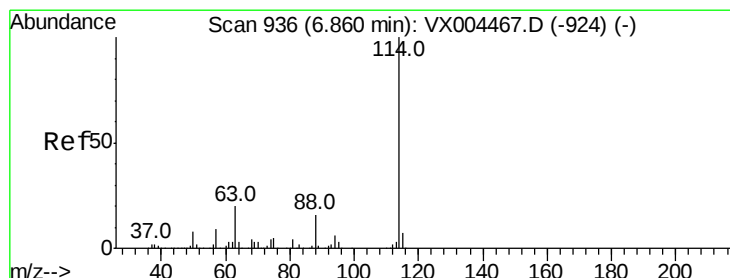
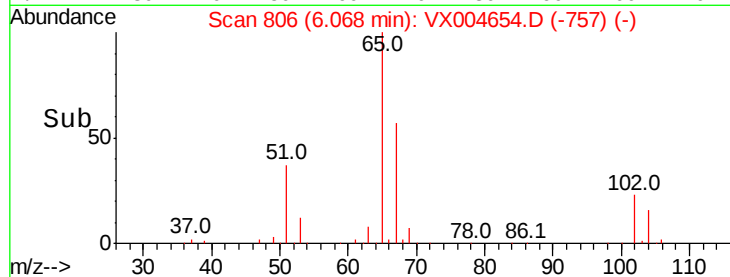
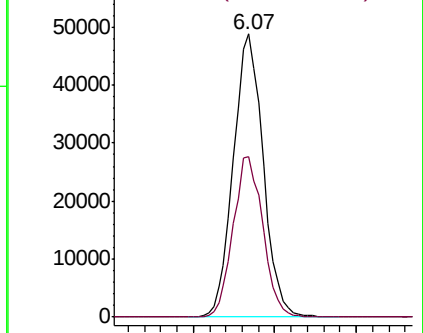
65 100

67 56.6 0.0 106.8



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

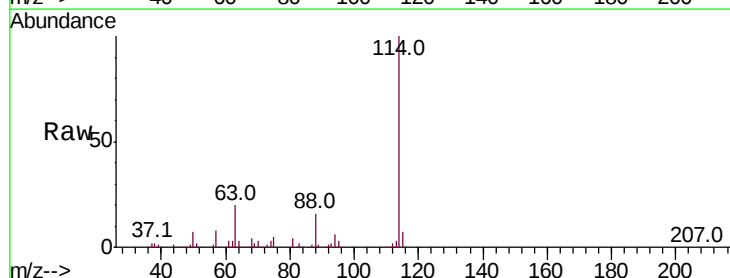
Tgt Ion:114 Resp: 308162

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

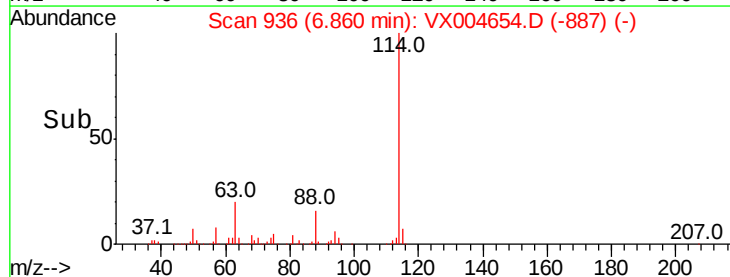
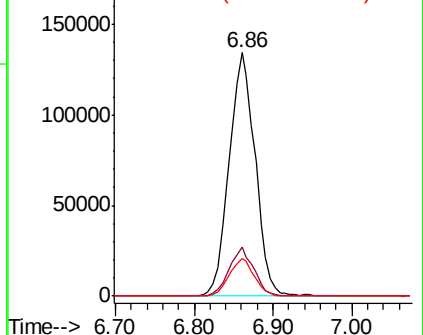
88 15.6 0.0 30.4

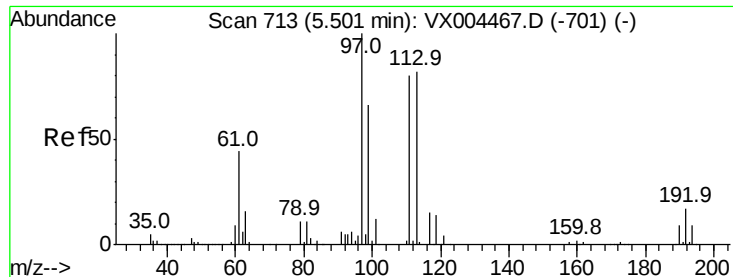


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 38.602 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

Instrument :  
MSVOA\_X  
ClientSampled :

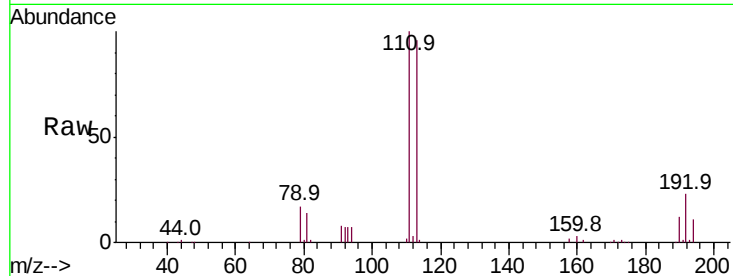
Tot Ion:113 Resp: 108856

Ion Ratio Lower Upper

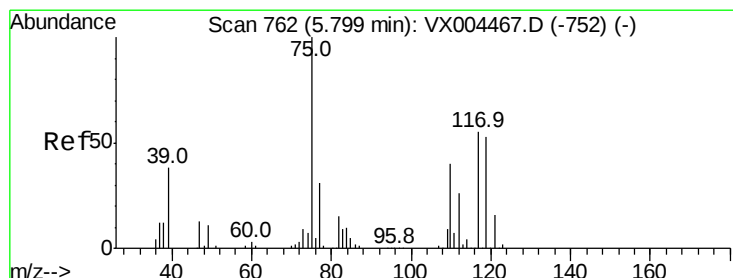
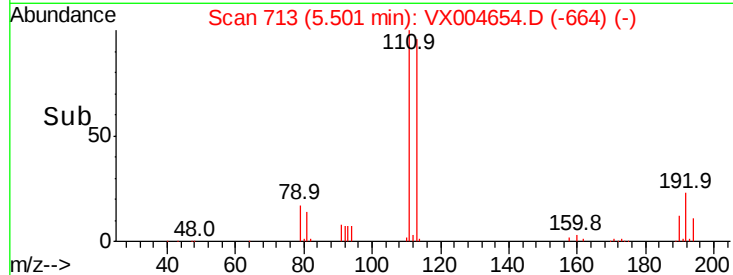
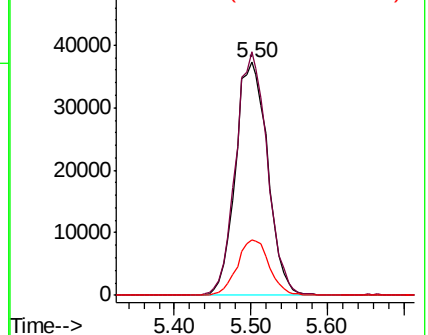
113 100

111 102.5 82.4 123.6

192 23.6 19.4 29.2



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: 3.177 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

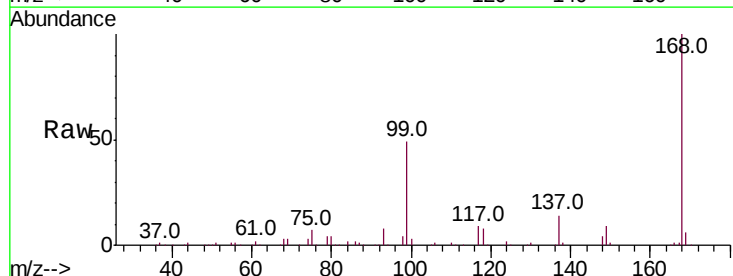
Tgt Ion: 75 Resp: 11885

Ion Ratio Lower Upper

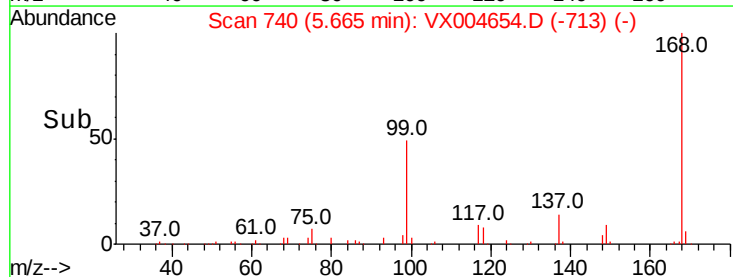
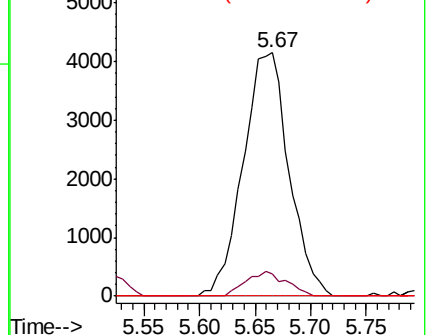
75 100

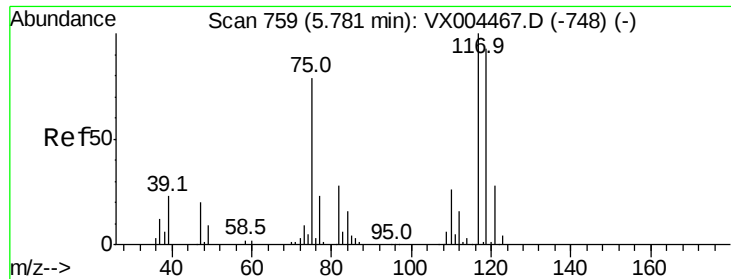
110 8.9 18.0 54.0#

77 0.0 24.6 36.8#



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

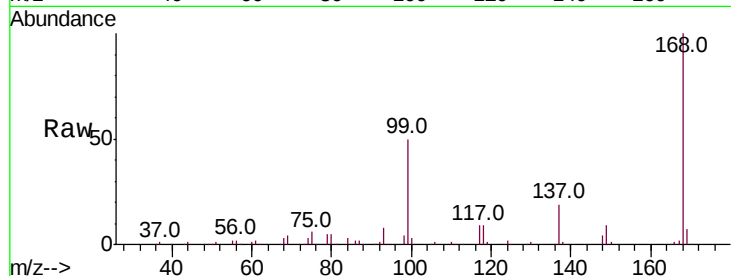




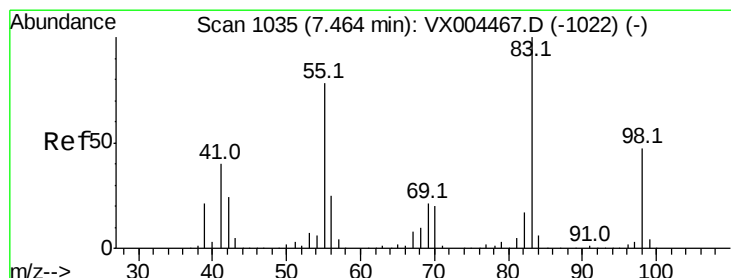
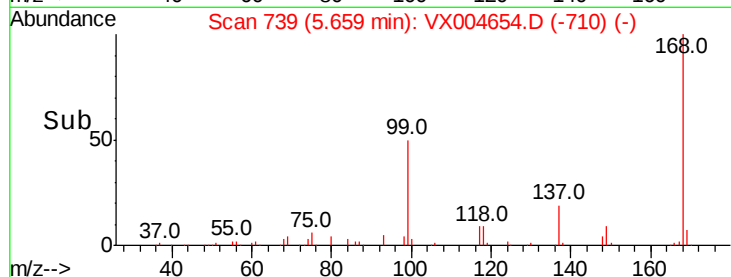
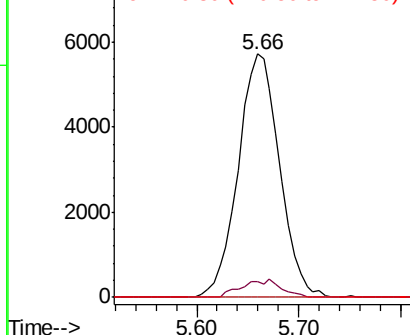
#38  
Carbon Tetrachloride  
Concen: 4.399 ug/l  
RT: 5.66 min Scan# 739  
Delta R.T. -0.12 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:117 Resp: 16075  
Ion Ratio Lower Upper  
117 100  
119 6.3 78.8 118.2#  
121 0.0 24.9 37.3#

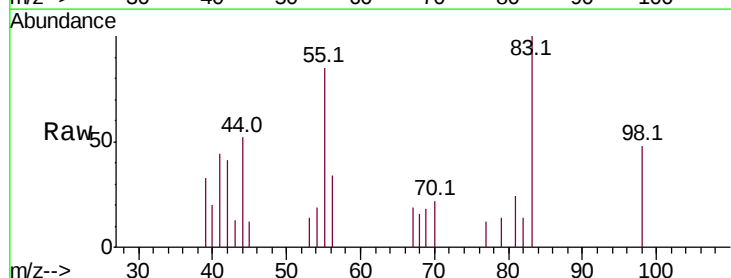


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

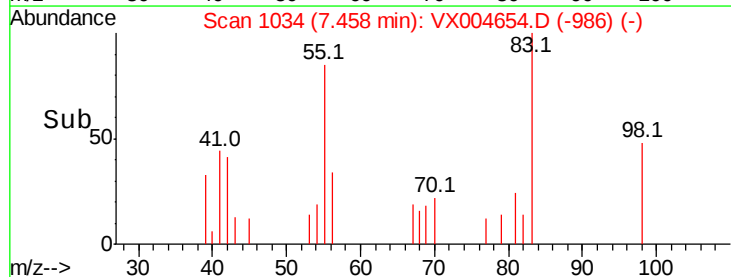
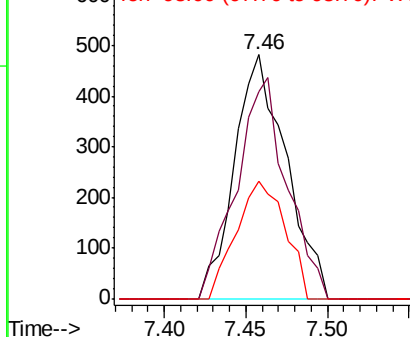


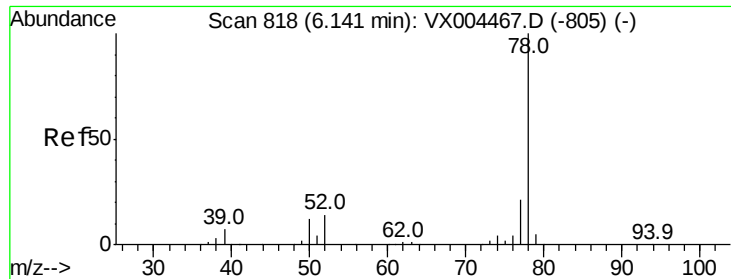
#39  
Methylcyclohexane  
Concen: 0.272 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

Tgt Ion: 83 Resp: 1062  
Ion Ratio Lower Upper  
83 100  
55 84.6 61.0 91.4  
98 47.9 39.6 59.4



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





#40

Benzene

Concen: 53.328 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

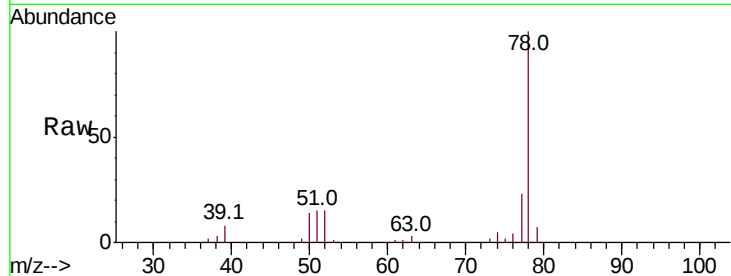
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 78 Resp: 591965

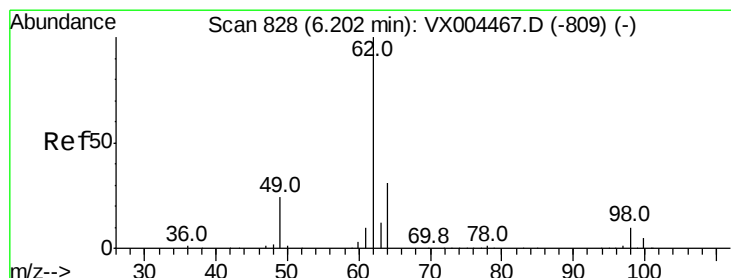
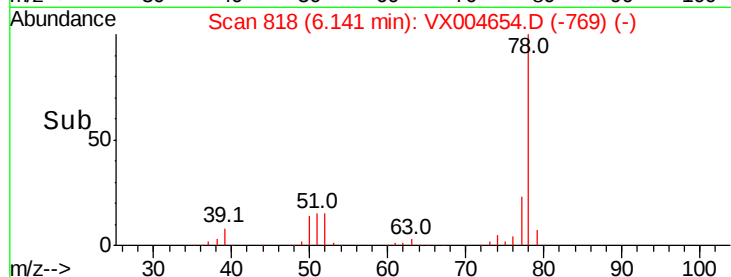
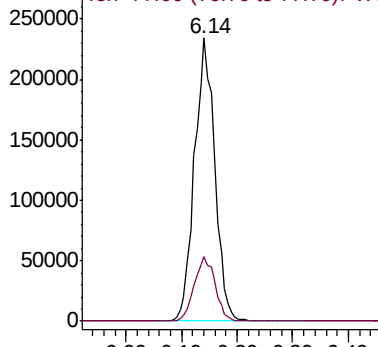
Ion Ratio Lower Upper

78 100

77 22.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0  
Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 1.280 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.07 min

Lab File: VX004654.D

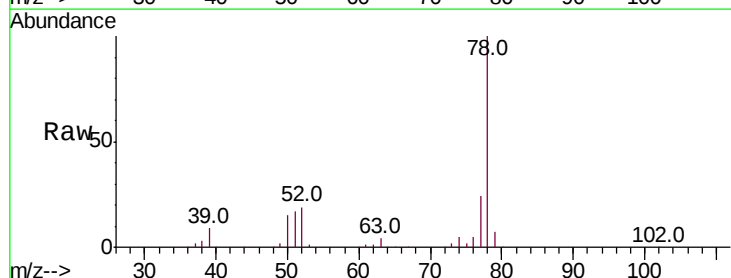
Acq: 18 Sep 2018 13:35

Tgt Ion: 62 Resp: 4711

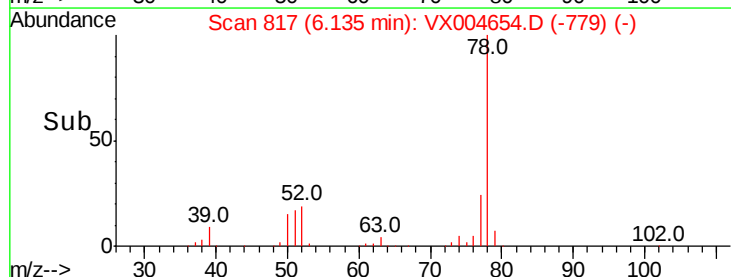
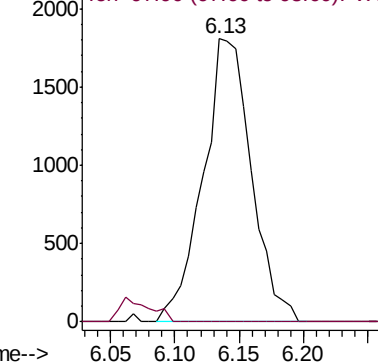
Ion Ratio Lower Upper

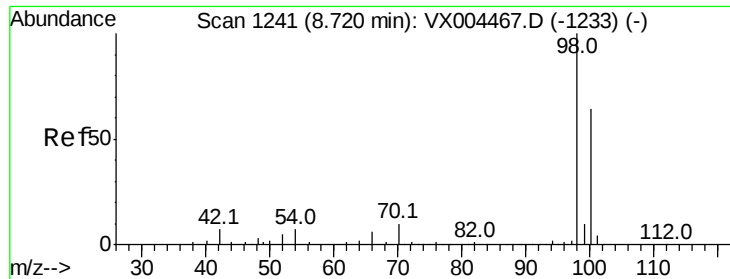
62 100

98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0

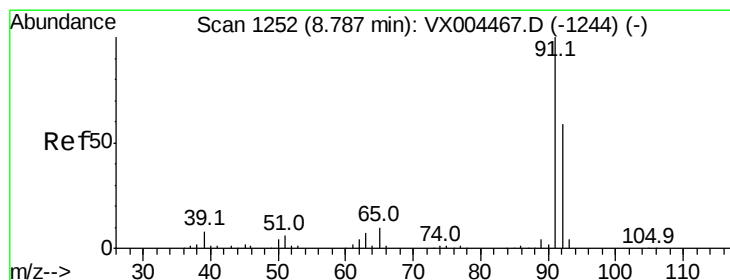
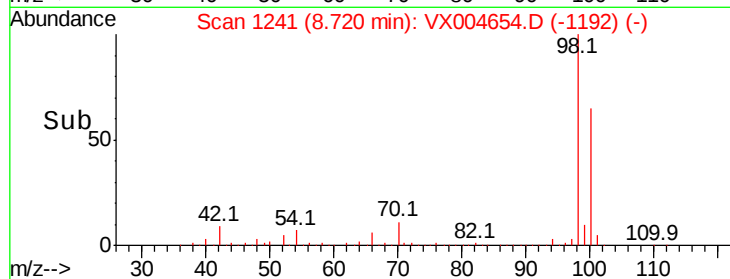
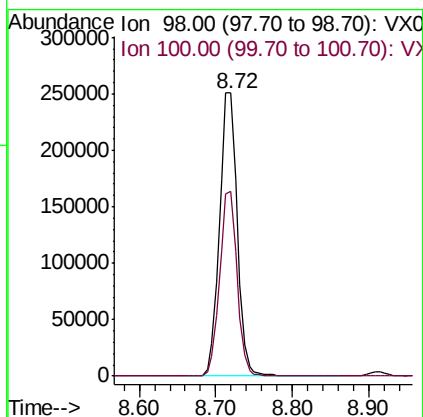
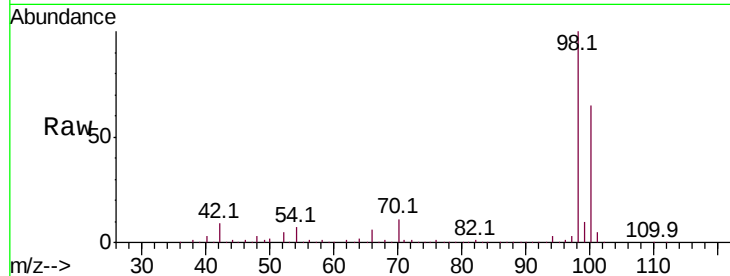




#50  
Toluene-d8  
Concen: 42.661 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

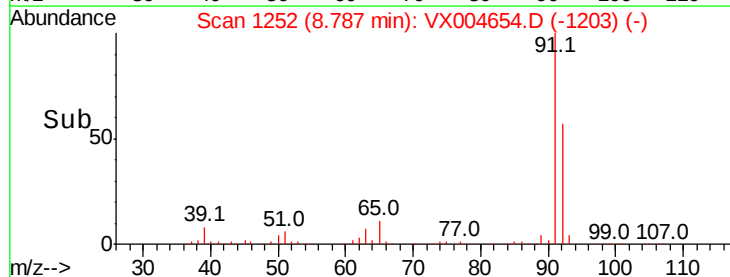
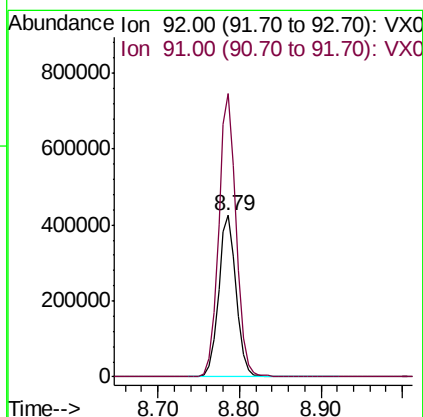
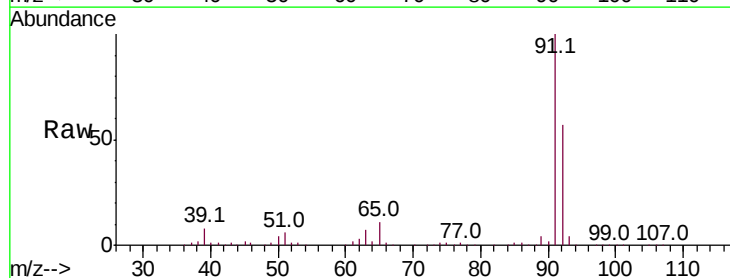
Instrument :  
MSVOA\_X  
ClientSampled :

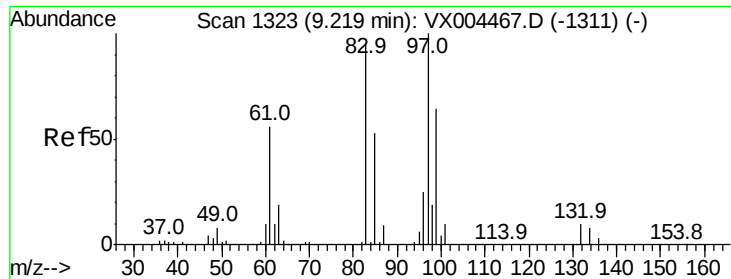
Tot Ion: 98 Resp: 403433  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.9 79.3



#52  
Toluene  
Concen: 98.096 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. 0.00 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

Tgt Ion: 92 Resp: 641557  
Ion Ratio Lower Upper  
92 100  
91 174.0 136.4 204.6

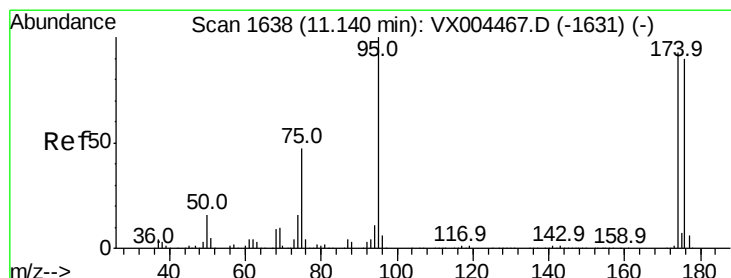
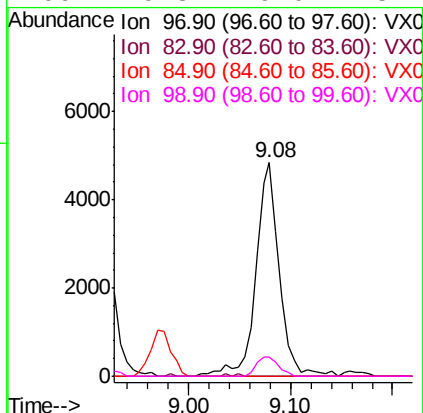
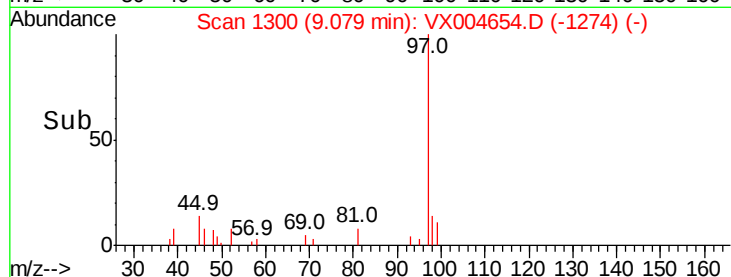
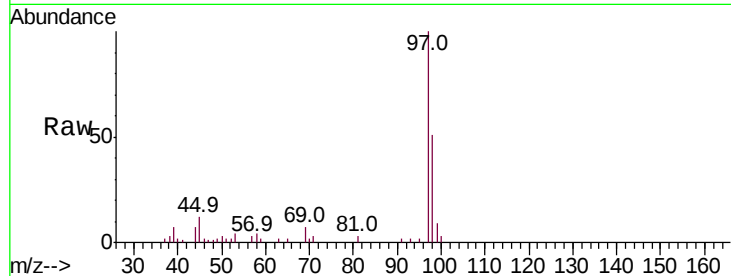




#55  
 1,1,2-Trichloroethane  
 Concen: 2.772 ug/l  
 RT: 9.08 min Scan# 1300  
 Delta R.T. -0.14 min  
 Lab File: VX004654.D  
 Acq: 18 Sep 2018 13:35

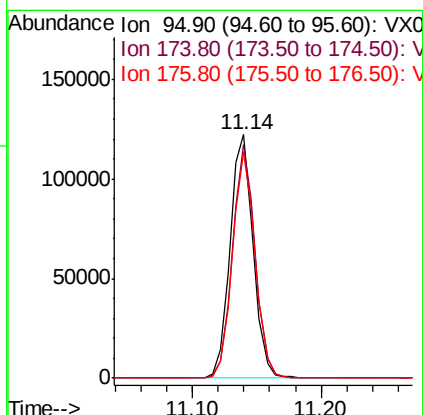
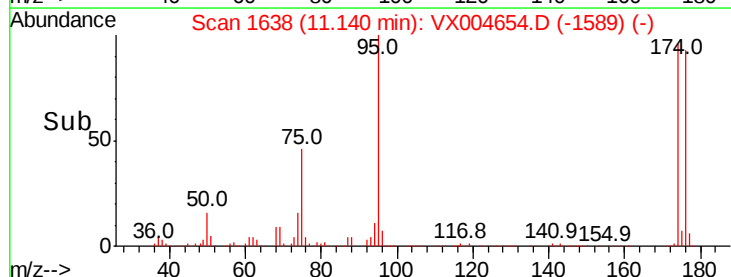
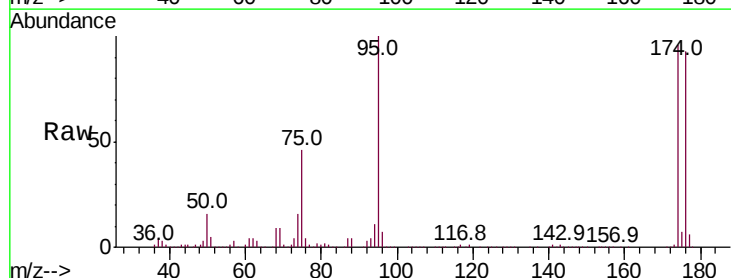
Instrument :  
 MSVOA\_X  
 ClientSampleId :

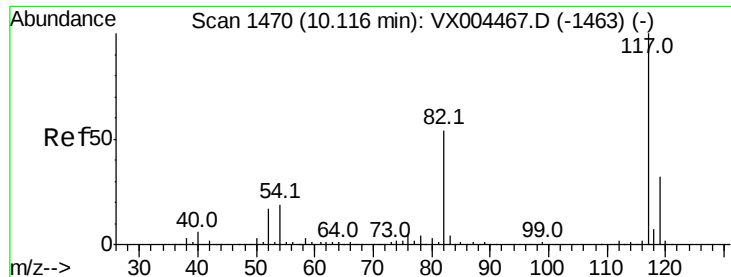
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 7806  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 0.0   | 66.4  | 99.6# |
| 85       | 0.0   | 43.3  | 64.9# |
| 99       | 9.3   | 49.0  | 73.4# |



#62  
 4-Bromofluorobenzene  
 Concen: 45.629 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. 0.00 min  
 Lab File: VX004654.D  
 Acq: 18 Sep 2018 13:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 154027 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 93.4  | 0.0   | 185.2  |
| 176      | 90.6  | 0.0   | 178.6  |

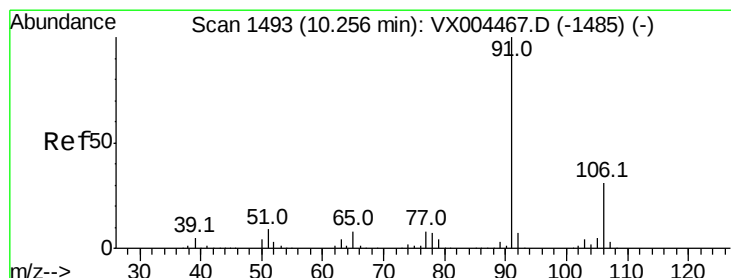
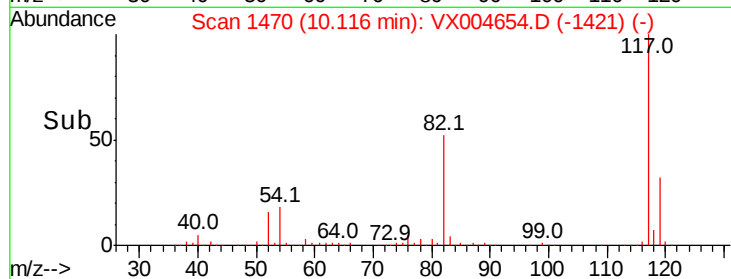
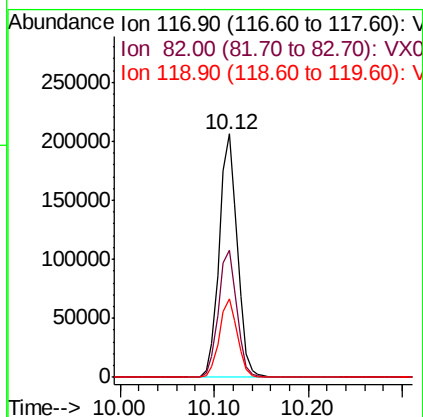
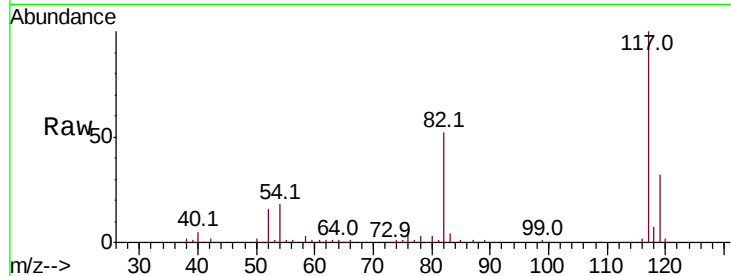




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

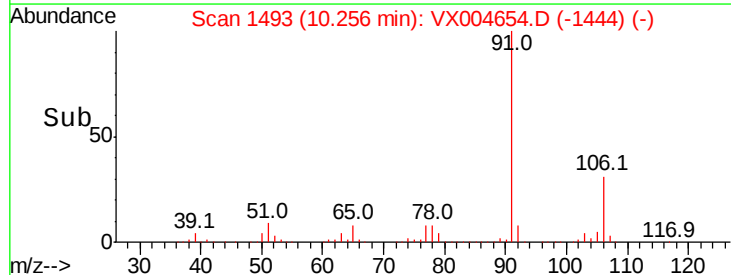
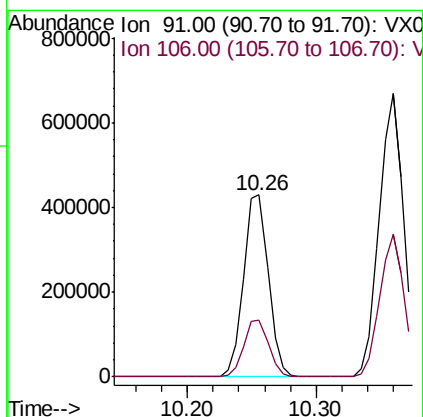
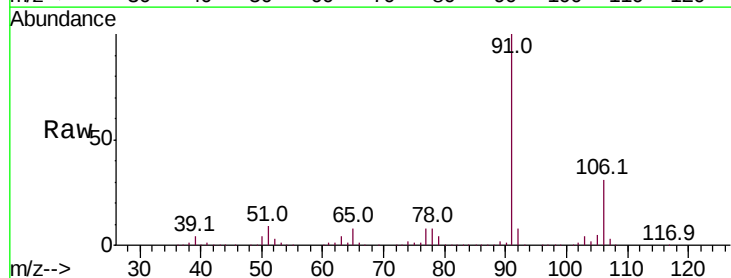
Instrument :  
MSVOA\_X  
ClientSampled :

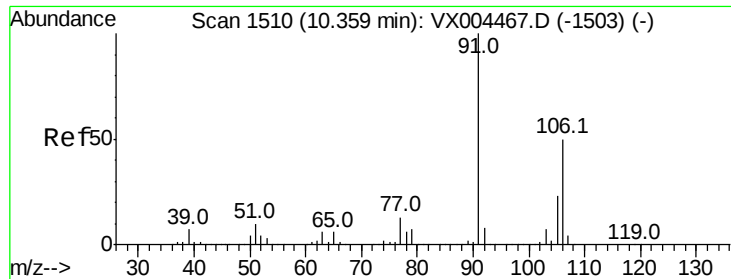
Tot Ion:117 Resp: 274277  
Ion Ratio Lower Upper  
117 100  
82 52.1 47.8 71.6  
119 32.0 29.3 43.9



#67  
Ethyl Benzene  
Concen: 51.474 ug/l  
RT: 10.26 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

Tgt Ion: 91 Resp: 570221  
Ion Ratio Lower Upper  
91 100  
106 31.4 25.9 38.9

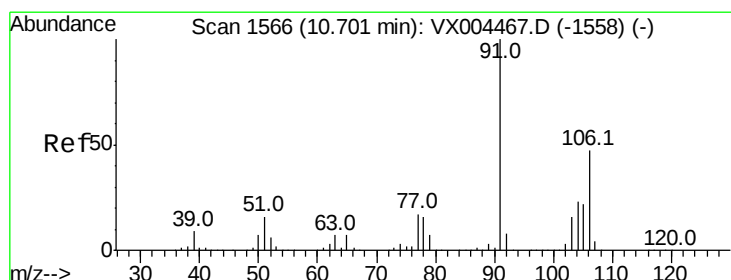
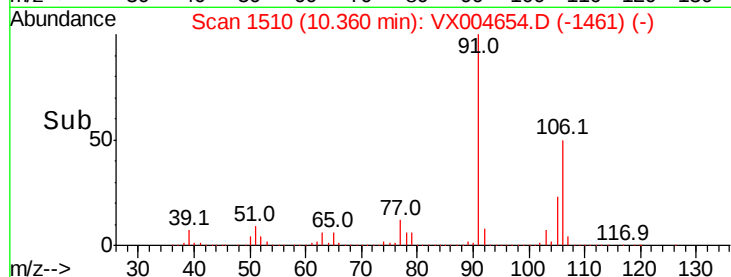
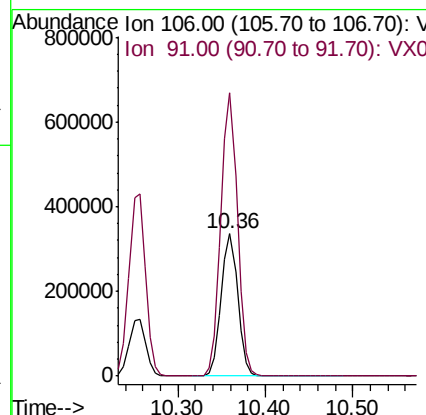
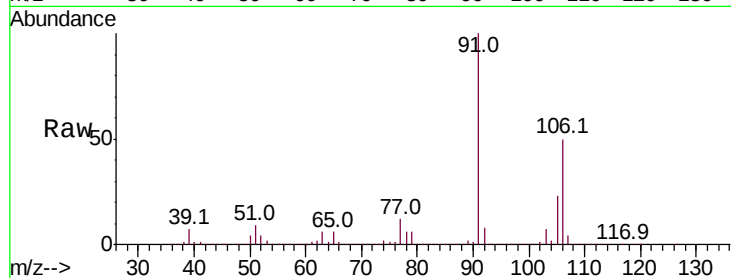




#68  
m/p-Xylenes  
Concen: 102.976 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

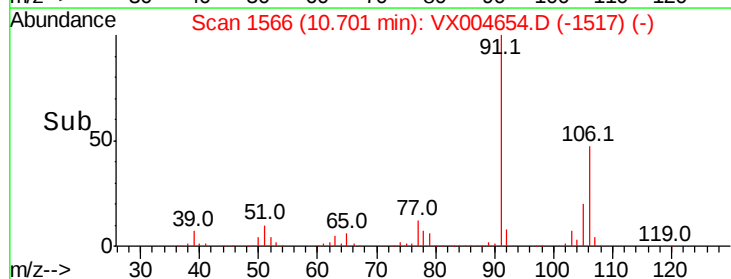
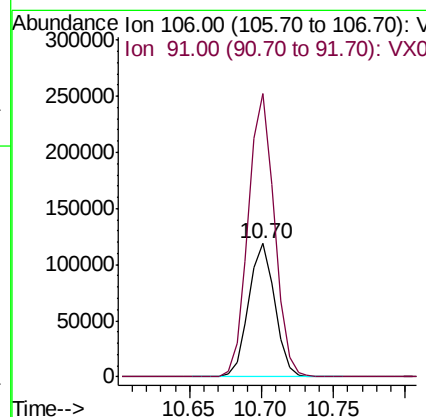
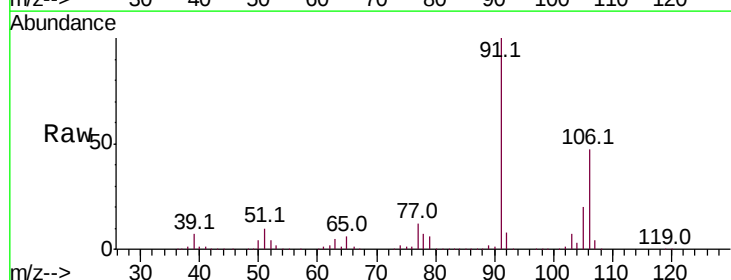
Instrument :  
MSVOA\_X  
ClientSampleId :

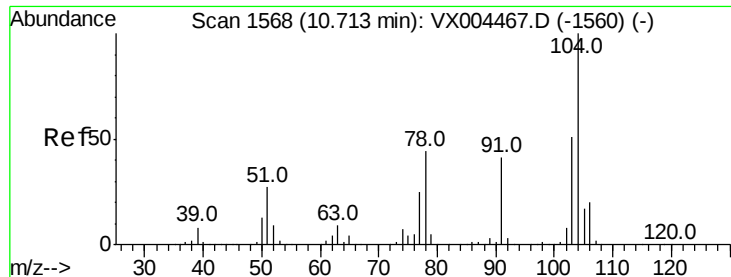
Tot Ion:106 Resp: 439422  
Ion Ratio Lower Upper  
106 100  
91 199.4 157.1 235.7



#69  
o-Xylene  
Concen: 36.330 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX004654.D  
Acq: 18 Sep 2018 13:35

Tgt Ion:106 Resp: 149044  
Ion Ratio Lower Upper  
106 100  
91 212.8 105.1 315.1





#70

Stvrene

Concen: 2.221 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

Instrument :

MSVOA\_X

ClientSampleId :

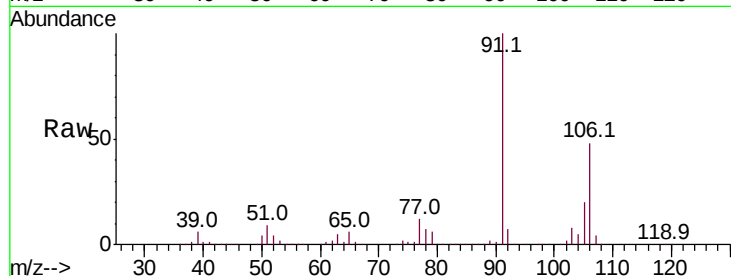
Tot Ion:104 Resp: 15096

Ion Ratio Lower Upper

104 100

78 159.2 37.4 56.0#

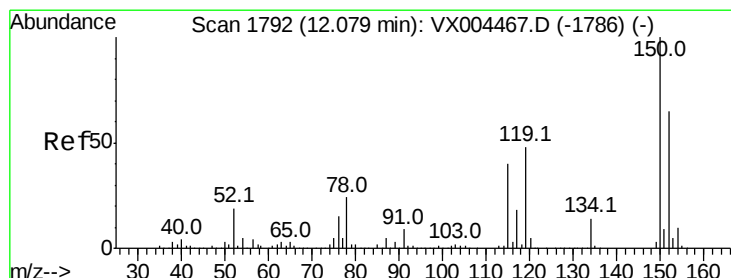
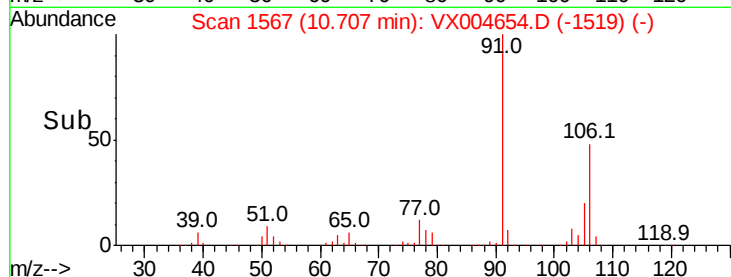
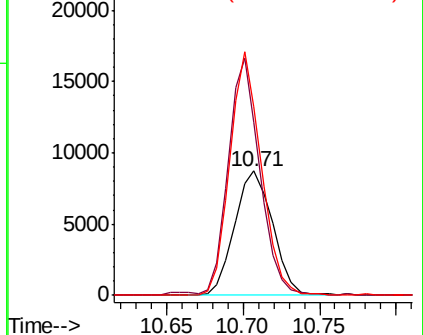
103 160.9 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

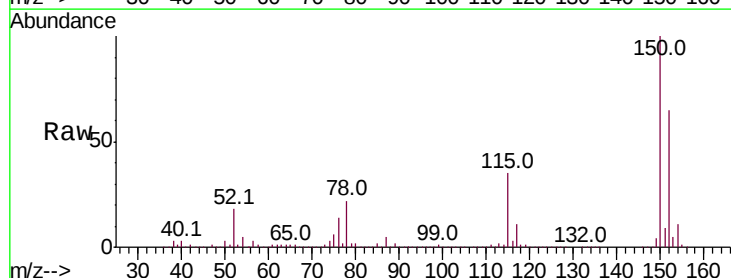
Tgt Ion:152 Resp: 170495

Ion Ratio Lower Upper

152 100

115 54.6 39.0 117.0

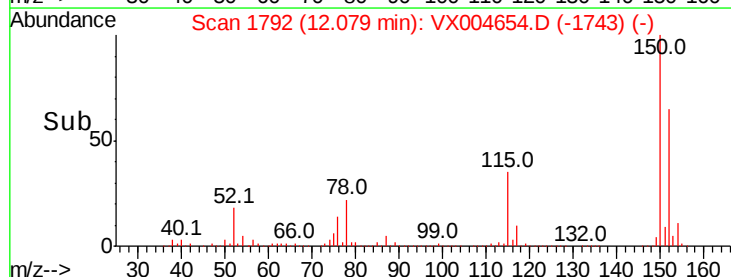
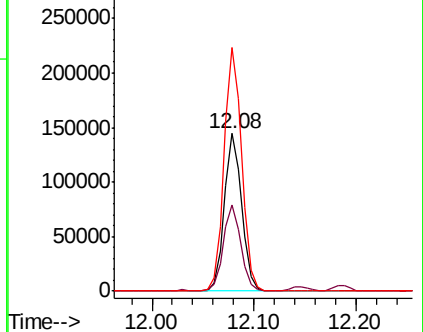
150 156.8 0.0 351.0

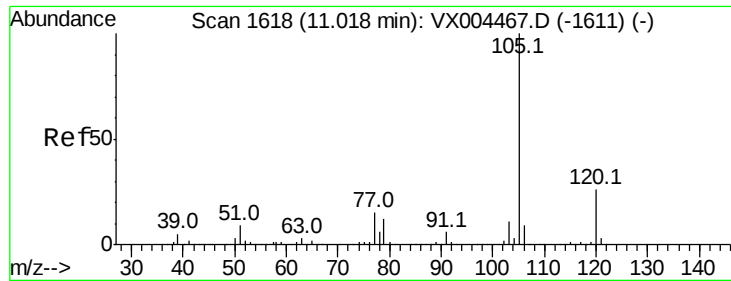


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.017 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

Instrument :

MSVOA\_X

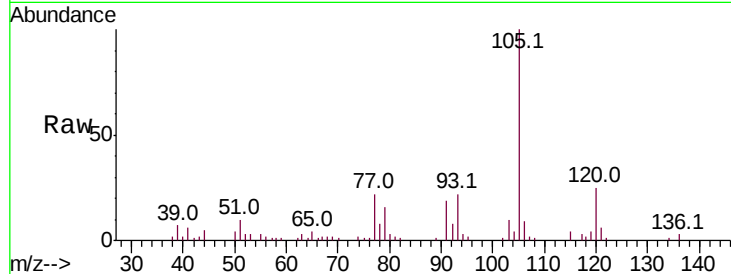
ClientSampleId :

Tot Ion:105 Resp: 11417

Ion Ratio Lower Upper

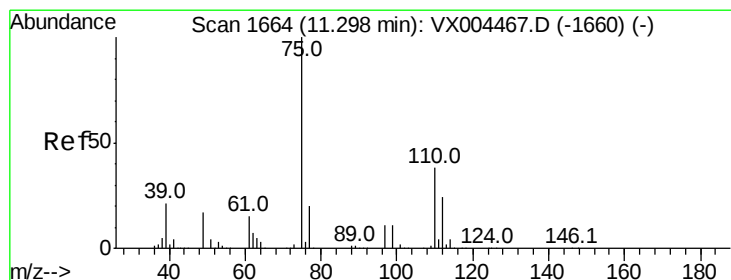
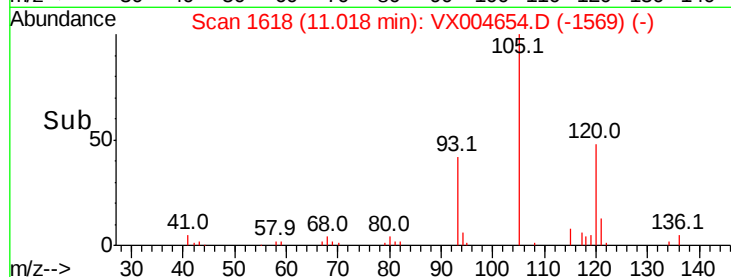
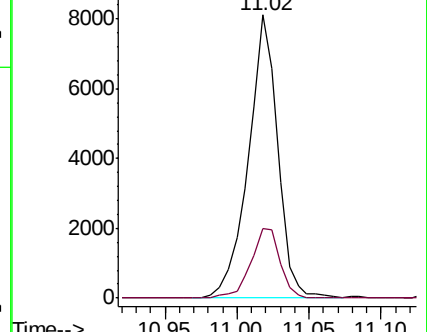
105 100

120 24.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 21.015 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004654.D

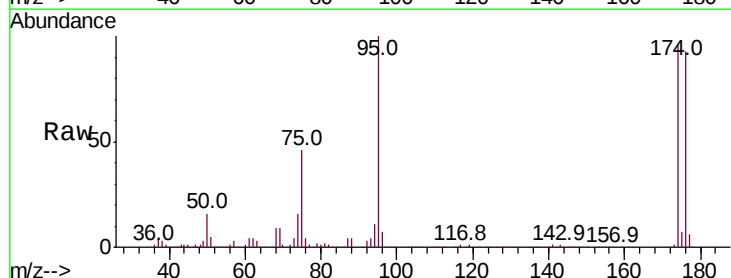
Acq: 18 Sep 2018 13:35

Tgt Ion: 75 Resp: 72085

Ion Ratio Lower Upper

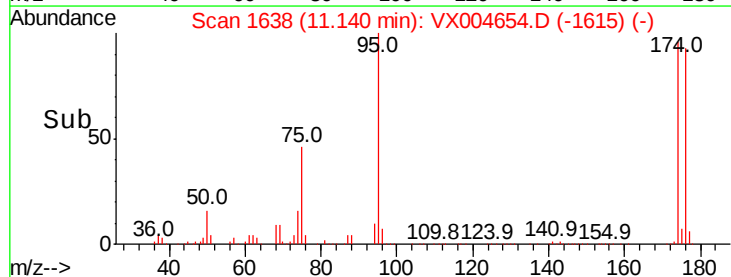
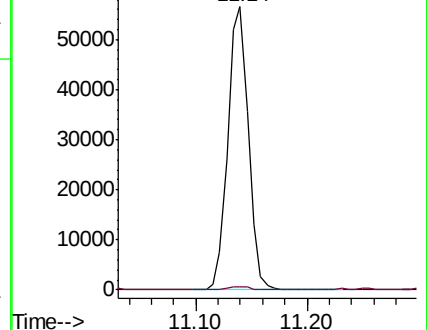
75 100

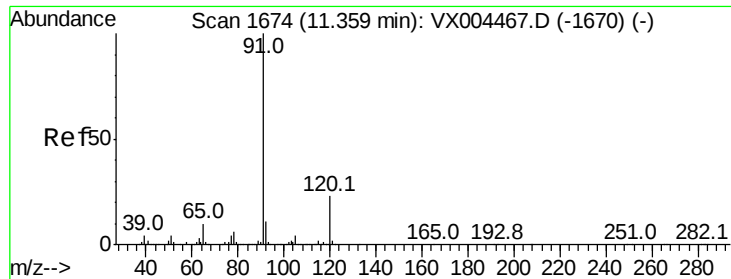
77 1.6 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.834 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

Instrument :

MSVOA\_X

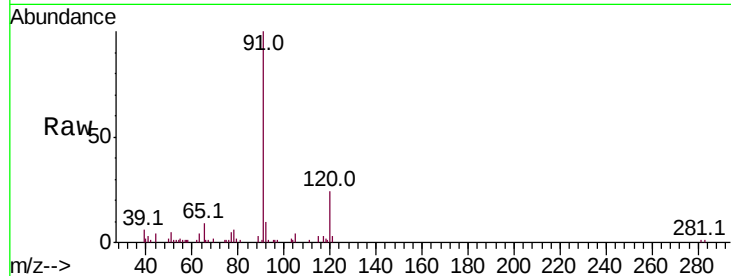
ClientSampleId :

Tot Ion: 91 Resp: 10772

Ion Ratio Lower Upper

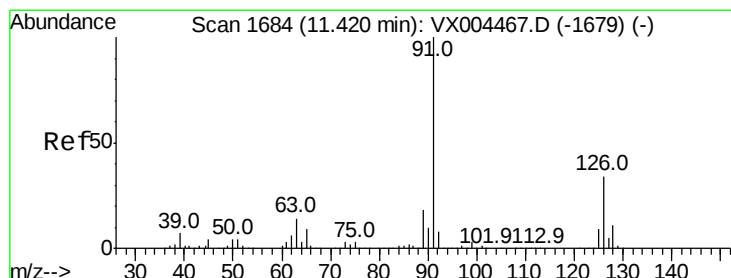
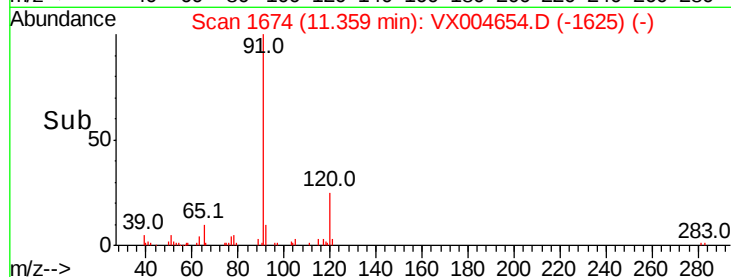
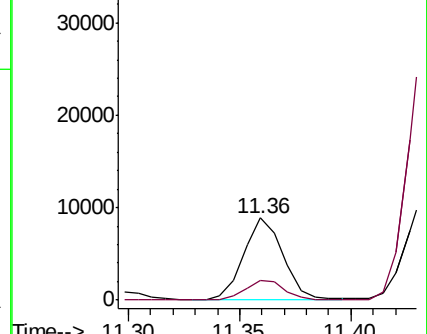
91 100

120 24.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.220 ug/l

RT: 11.55 min Scan# 1705

Delta R.T. 0.13 min

Lab File: VX004654.D

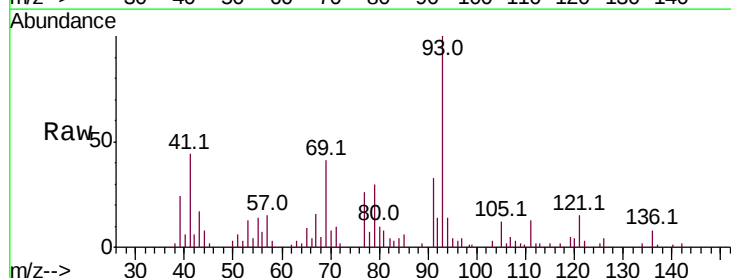
Acq: 18 Sep 2018 13:35

Tgt Ion: 91 Resp: 1720

Ion Ratio Lower Upper

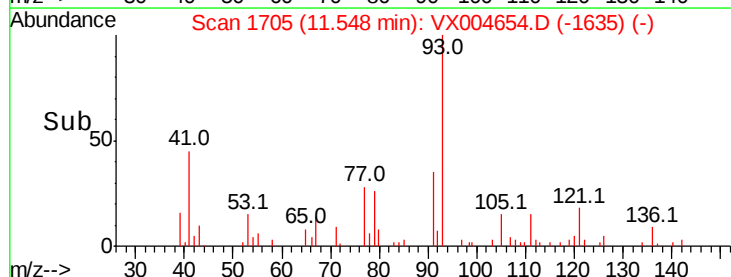
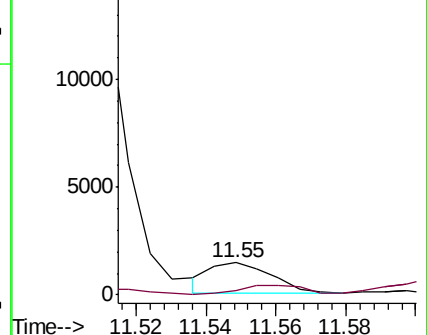
91 100

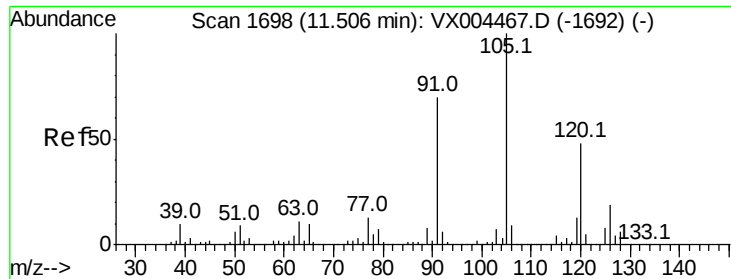
126 37.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

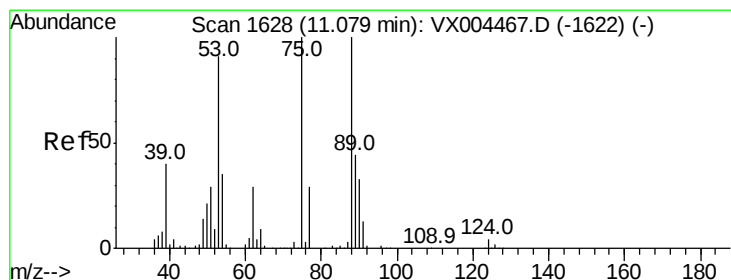
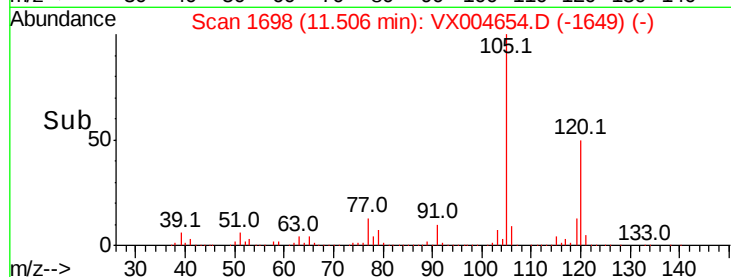
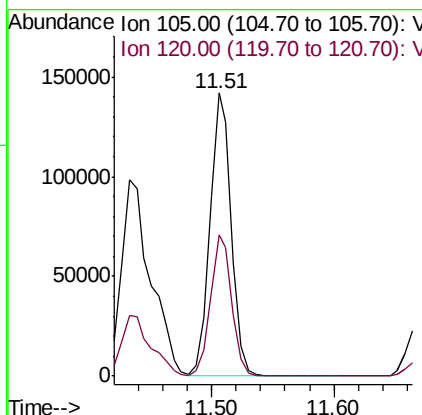
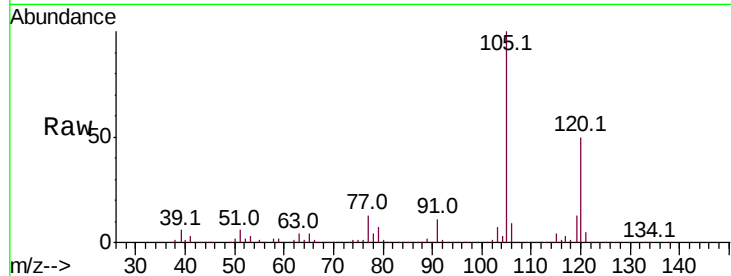




#80  
 1,3,5-Trimethylbenzene  
 Concen: 18.255 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX004654.D  
 Acq: 18 Sep 2018 13:35

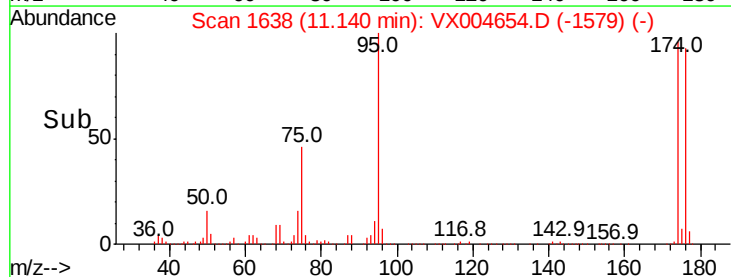
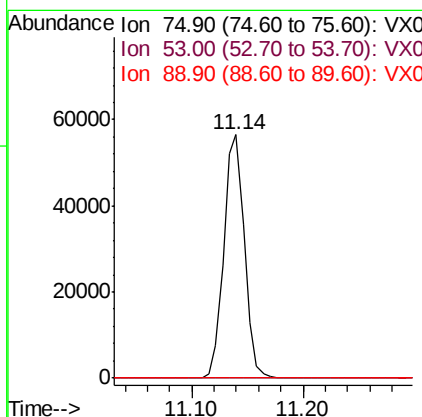
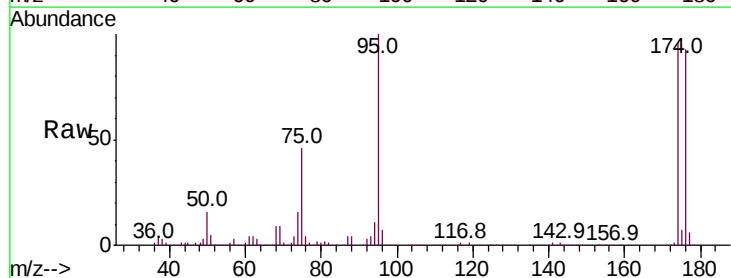
Instrument :  
 MSVOA\_X  
 ClientSampleId :

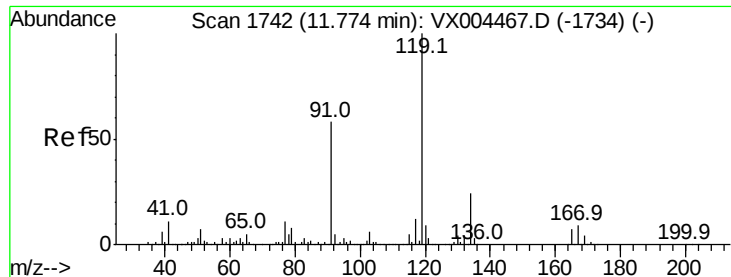
Tot Ion:105 Resp: 172319  
 Ion Ratio Lower Upper  
 105 100  
 120 50.1 25.6 76.8



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.984 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. 0.06 min  
 Lab File: VX004654.D  
 Acq: 18 Sep 2018 13:35

Tgt Ion: 75 Resp: 72085  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 80.1 120.1#  
 89 0.1 37.2 55.8#





#83

tert-Butylbenzene

Concen: 5.906 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.04 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

Instrument :

MSVOA\_X

ClientSampleId :

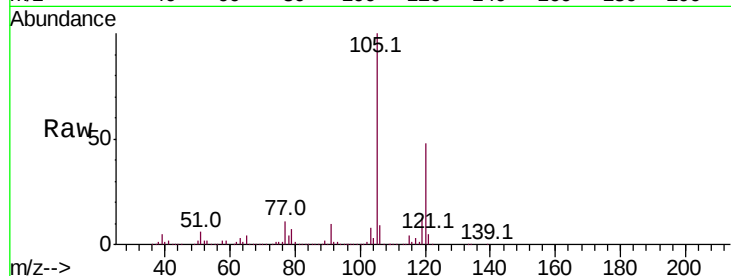
Tot Ion:119 Resp: 53074

Ion Ratio Lower Upper

119 100

91 78.5 27.0 81.0

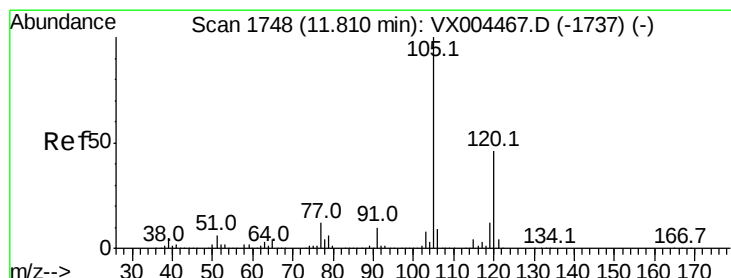
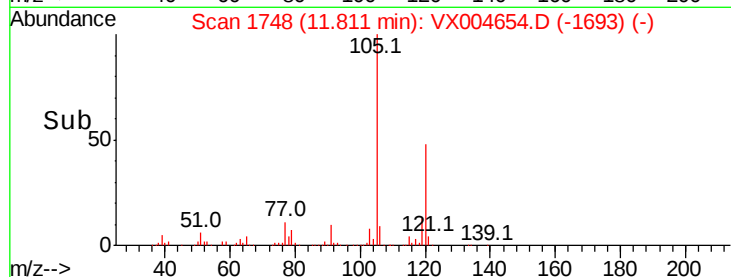
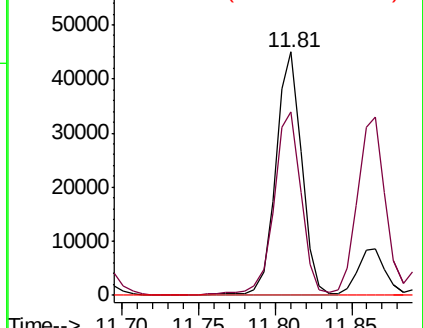
134 0.7 11.7 35.1#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 42.537 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004654.D

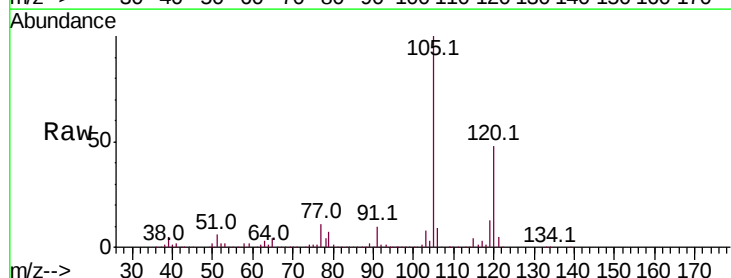
Acq: 18 Sep 2018 13:35

Tgt Ion:105 Resp: 409952

Ion Ratio Lower Upper

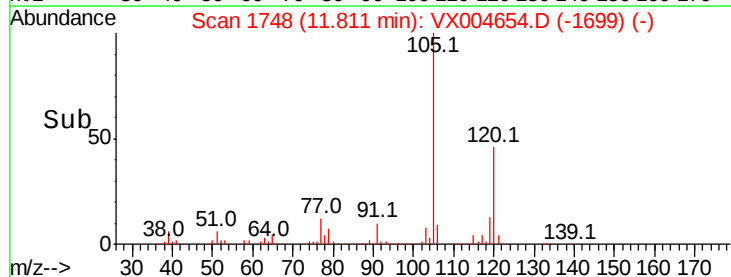
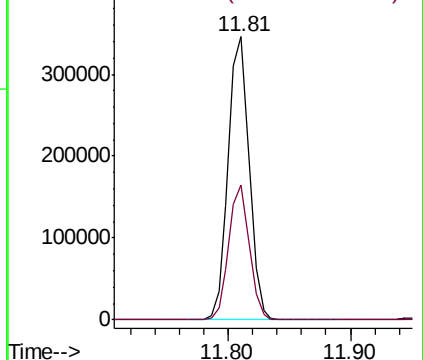
105 100

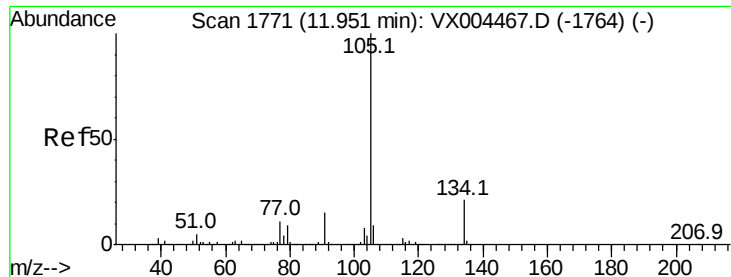
120 46.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

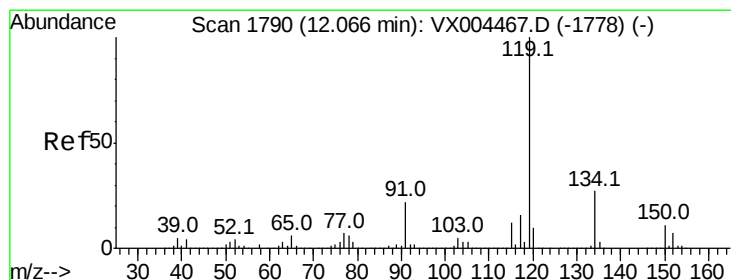
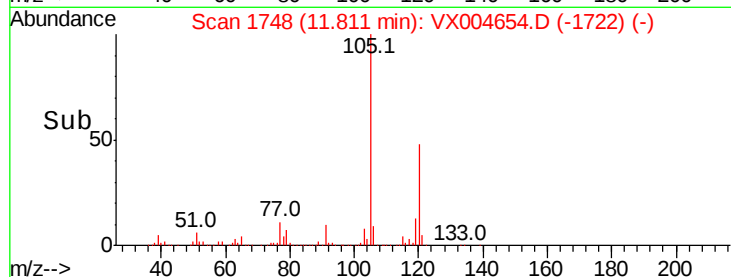
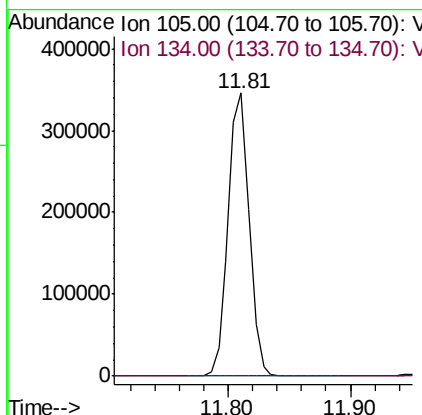
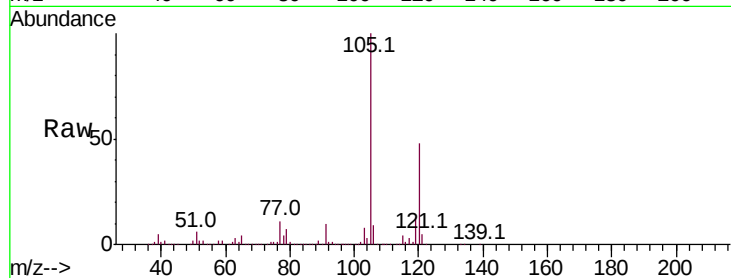




#85  
 sec-Butylbenzene  
 Concen: 35.798 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. -0.14 min  
 Lab File: VX004654.D  
 Acq: 18 Sep 2018 13:35

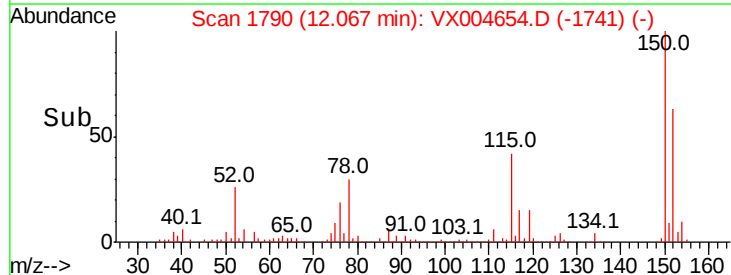
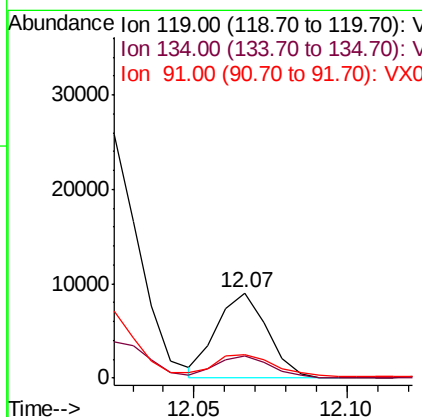
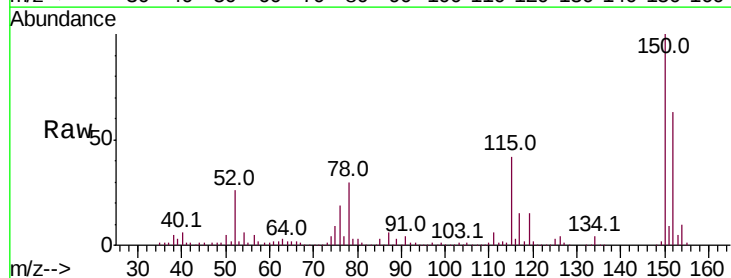
Instrument :  
 MSVOA\_X  
 ClientSampled :

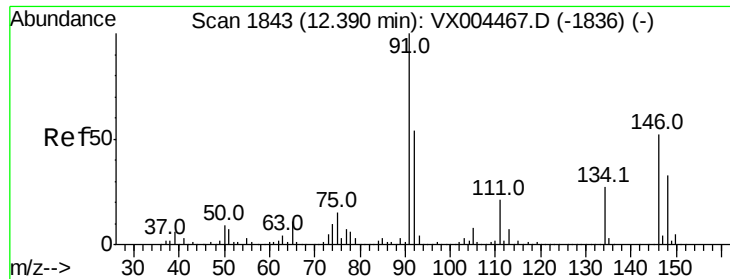
Tot Ion:105 Resp: 409952  
 Ion Ratio Lower Upper  
 105 100  
 134 0.1 10.5 31.5#



#86  
 p-Isopropyltoluene  
 Concen: 1.009 ug/l  
 RT: 12.07 min Scan# 1790  
 Delta R.T. 0.00 min  
 Lab File: VX004654.D  
 Acq: 18 Sep 2018 13:35

Tgt Ion:119 Resp: 10206  
 Ion Ratio Lower Upper  
 119 100  
 134 28.8 13.4 40.2  
 91 31.4 10.9 32.7





#89

n-Butylbenzene

Concen: 1.335 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

Instrument :

MSVOA\_X

ClientSampled :

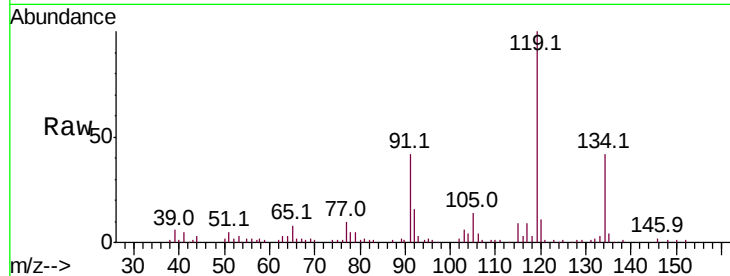
Tot Ion: 91 Resp: 12302

Ion Ratio Lower Upper

91 100

92 32.5 27.3 81.9

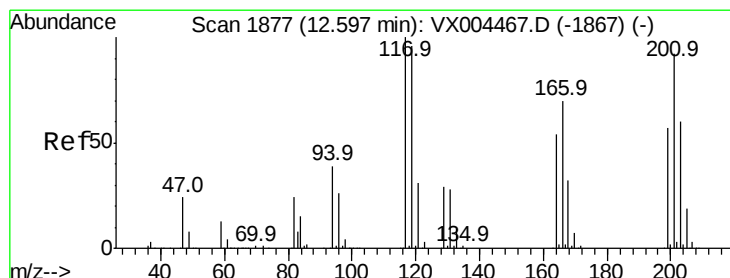
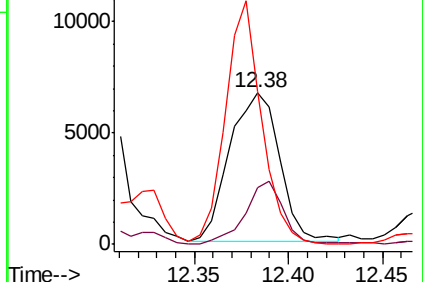
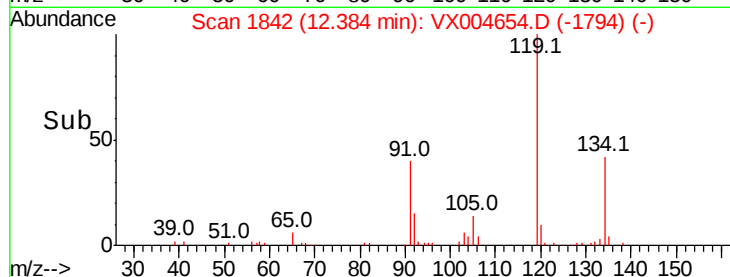
134 118.4 13.6 40.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 3.659 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX004654.D

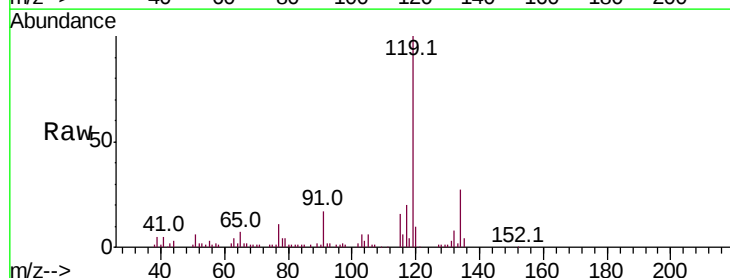
Acq: 18 Sep 2018 13:35

Tgt Ion:117 Resp: 5924

Ion Ratio Lower Upper

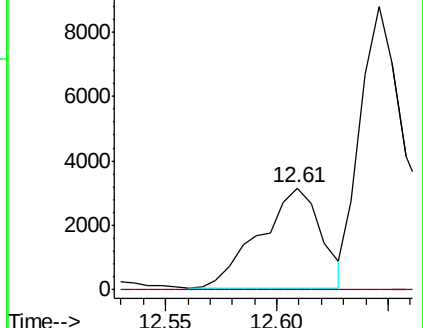
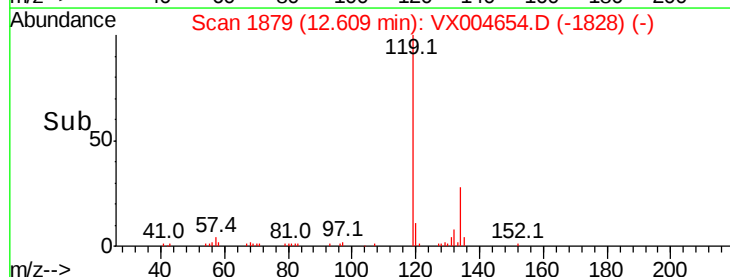
117 100

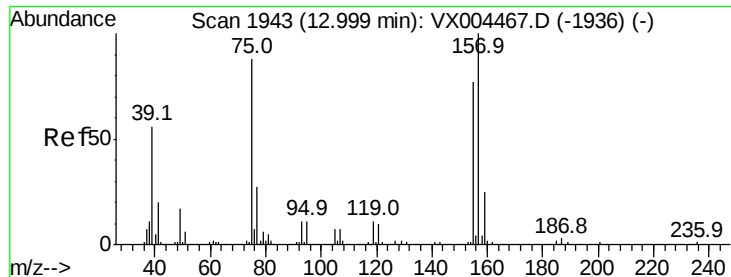
201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 16.427 ug/l

RT: 13.02 min Scan# 1947

Delta R.T. 0.02 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

Instrument :

MSVOA\_X

ClientSampleId :

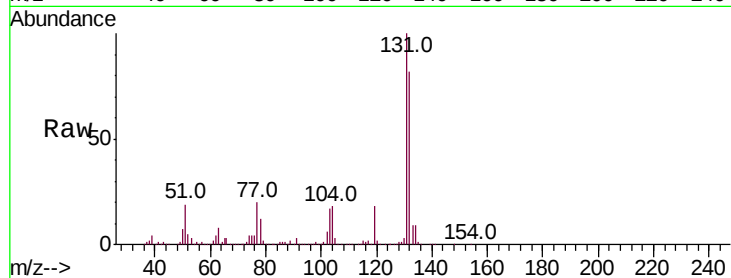
Tot Ion: 75 Resp: 12704

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

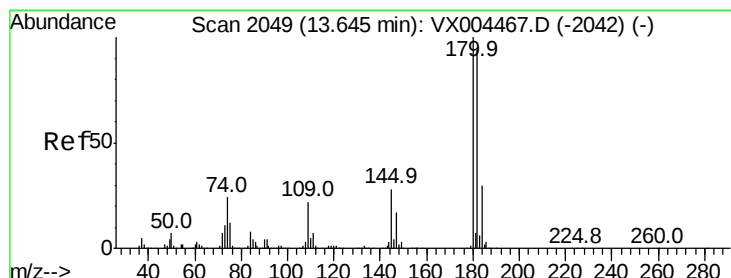
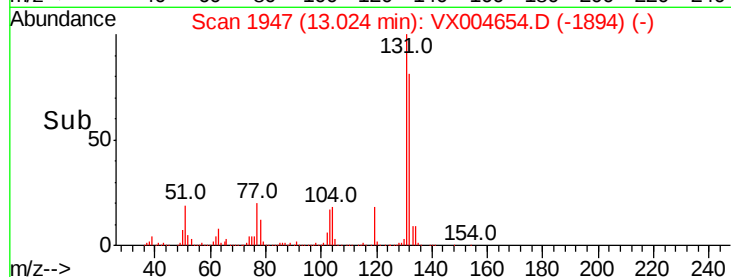
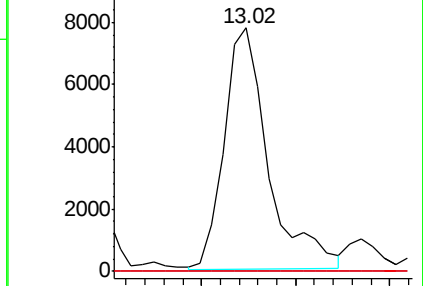
157 0.0 61.4 184.1#



Abundance Ion 74.90 (74.60 to 75.60): VX004467.D (-1936) (-)

Ion 154.80 (154.50 to 155.50): VX004467.D (-1936) (-)

Ion 156.80 (156.50 to 157.50): VX004467.D (-1936) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.304 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

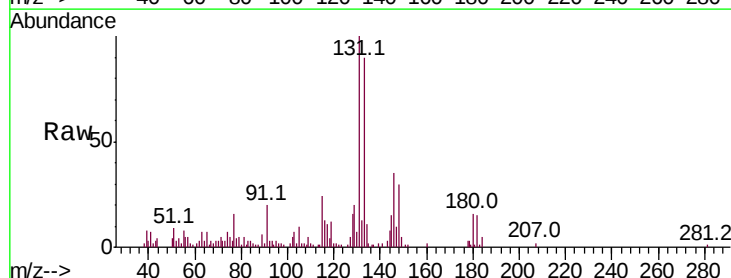
Tgt Ion: 180 Resp: 1262

Ion Ratio Lower Upper

180 100

182 96.0 48.4 145.0

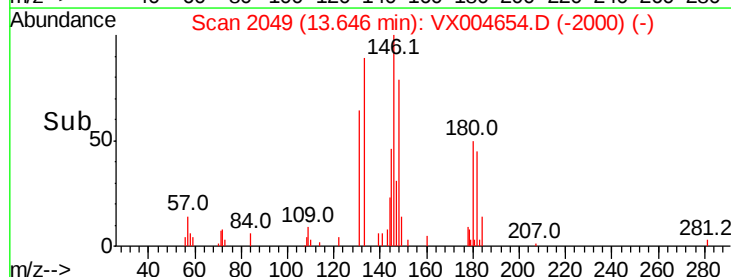
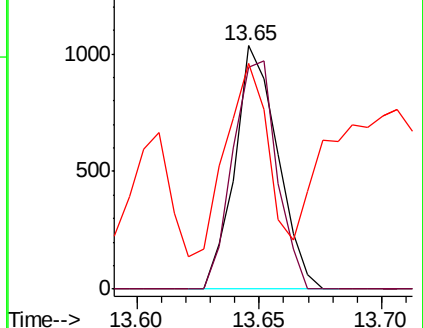
145 0.0 14.3 42.9#

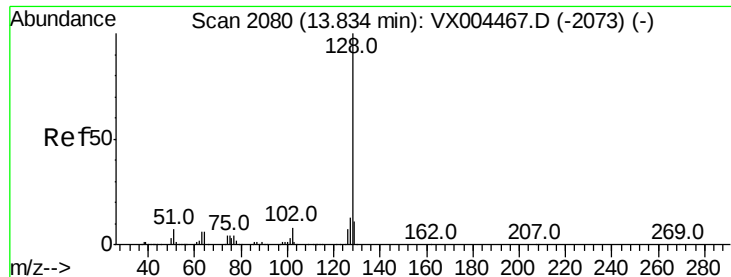


Abundance Ion 179.80 (179.50 to 180.50): VX004467.D (-2042) (-)

Ion 181.80 (181.50 to 182.50): VX004467.D (-2042) (-)

Ion 144.80 (144.50 to 145.50): VX004467.D (-2042) (-)





#95

Naphthalene

Concen: 1222.257 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

Instrument :

MSVOA\_X

ClientSampleId :

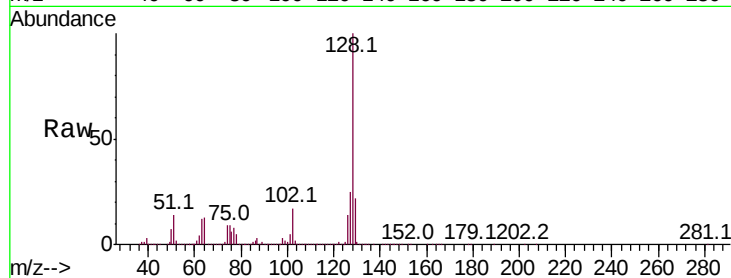
Tot Ion:128 Resp:14226665

Ion Ratio Lower Upper

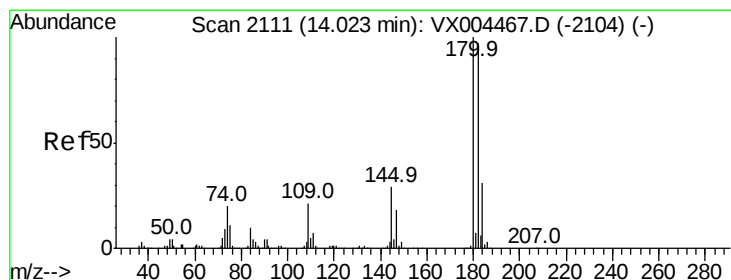
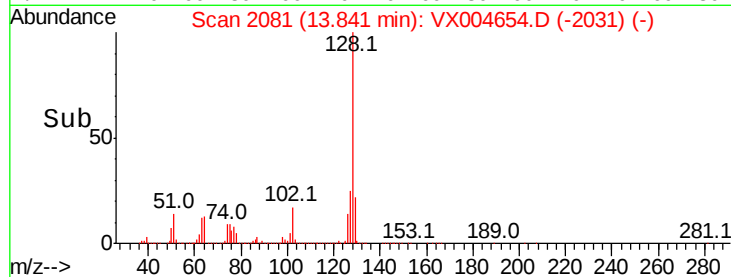
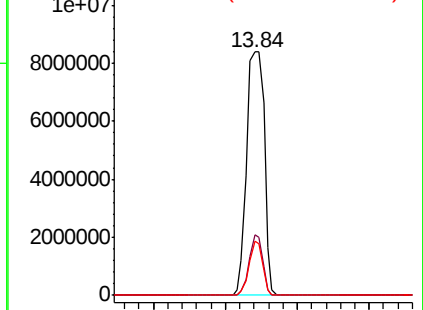
128 100

127 19.0 10.2 15.2#

129 16.9 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.238 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004654.D

Acq: 18 Sep 2018 13:35

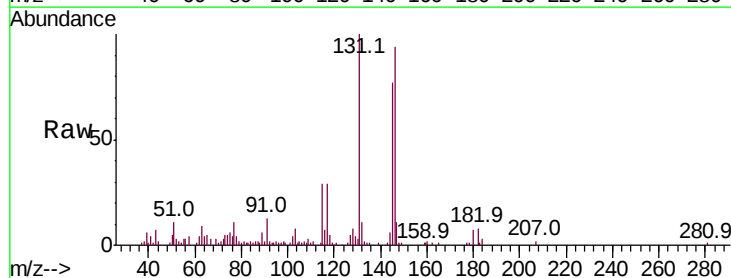
Tgt Ion:180 Resp: 1016

Ion Ratio Lower Upper

180 100

182 99.1 48.5 145.6

145 924.0 14.9 44.9#



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

