

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\  
 Data File : VX004928.D  
 Acq On : 02 Oct 2018 19:28  
 Operator : JC/MD  
 Sample : PB113364ZHE#05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB113364ZHE#05

Quant Time: Oct 03 04:43:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

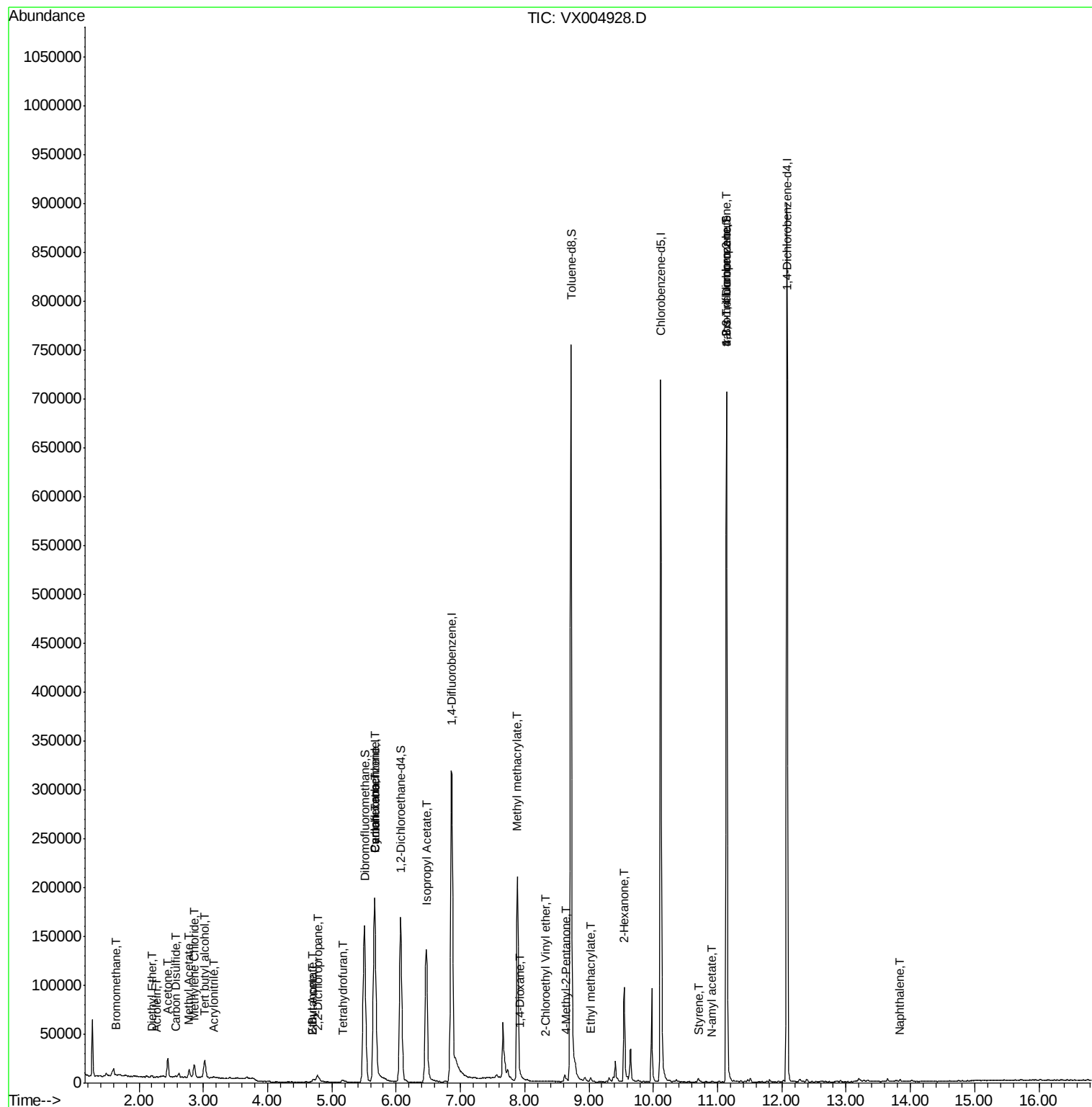
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 5.67   | 168  | 202286   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 6.87   | 114  | 343923   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 10.12  | 117  | 345058   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 12.08  | 152  | 189476   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 6.07   | 65   | 161104   | 55.75     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 111.50% |          |
| 35) Dibromofluoromethane       | 5.51   | 113  | 135549   | 46.50     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 93.00%  |          |
| 50) Toluene-d8                 | 8.72   | 98   | 499470   | 51.54     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 103.08% |          |
| 62) 4-Bromofluorobenzene       | 11.14  | 95   | 180963   | 51.84     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 103.68% |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 5) Bromomethane                | 1.65   | 94   | 593      | 0.319     | ug/l #  | 68       |
| 6) Chloroethane                | 1.68   | 64   | 267      | Below Cal | #       | 45       |
| 8) Diethyl Ether               | 2.20   | 74   | 519      | 0.307     | ug/l    | 90       |
| 11) Tert butyl alcohol         | 3.02   | 59   | 11562    | 14.310    | ug/l #  | 80       |
| 13) Acrolein                   | 2.28   | 56   | 128      | 0.223     | ug/l    | 85       |
| 15) Acrylonitrile              | 3.16   | 53   | 446      | 0.251     | ug/l #  | 75       |
| 16) Acetone                    | 2.45   | 43   | 20600    | 12.211    | ug/l    | 95       |
| 17) Carbon Disulfide           | 2.57   | 76   | 1501     | 0.228     | ug/l    | 97       |
| 18) Methyl Acetate             | 2.78   | 43   | 9584     | 2.242     | ug/l    | 97       |
| 20) Methylene Chloride         | 2.85   | 84   | 6084     | 1.669     | ug/l    | 93       |
| 25) 2-Butanone                 | 4.71   | 43   | 4613     | 1.855     | ug/l    | 100      |
| 26) 2,2-Dichloropropane        | 4.78   | 77   | 746      | 0.223     | ug/l #  | 50       |
| 29) Tetrahydrofuran            | 5.17   | 42   | 2320     | 1.501     | ug/l    | 89       |
| 31) Cyclohexane                | 5.67   | 56   | 3868     | 1.052     | ug/l #  | 1        |
| 37) Ethyl Acetate              | 4.71   | 43   | 4613     | 0.874     | ug/l #  | 71       |
| 38) Carbon Tetrachloride       | 5.66   | 117  | 18213    | 4.357     | ug/l #  | 17       |
| 43) Isopropyl Acetate          | 6.46   | 43   | 189046   | 24.812    | ug/l    | 97       |
| 48) Methyl methacrylate        | 7.88   | 41   | 19797    | 5.725     | ug/l #  | 43       |
| 49) 1,4-Dioxane                | 7.93   | 88   | 19       | 0.221     | ug/l #  | 23       |
| 51) 4-Methyl-2-Pentanone       | 8.65   | 43   | 1140     | 0.238     | ug/l #  | 35       |
| 56) Ethyl methacrylate         | 9.02   | 69   | 172      | 2.895     | ug/l #  | 1        |
| 58) 2-Chloroethyl Vinyl ether  | 8.32   | 63   | 132      | 14.290    | ug/l #  | 49       |
| 59) 2-Hexanone                 | 9.55   | 43   | 11718    | 2.931     | ug/l #  | 55       |
| 70) Styrene                    | 10.72  | 104  | 391      | 2.180     | ug/l    | 99       |
| 74) N-amyl acetate             | 10.90  | 43   | 278      | 1.789     | ug/l #  | 58       |
| 76) 1,2,3-Trichloropropane     | 11.14  | 75   | 91279    | 21.493    | ug/l #  | 35       |
| 80) 1,3,5-Trimethylbenzene     | 11.51  | 105  | 1134     | Below Cal |         | 85       |
| 81) trans-1,4-Dichloro-2-buten | 11.14  | 75   | 91279    | 58.278    | ug/l #  | 10       |
| 84) 1,2,4-Trimethylbenzene     | 11.81  | 105  | 765      | Below Cal |         | 72       |
| 95) Naphthalene                | 13.83  | 128  | 1159     | 0.792     | ug/l    | 97       |

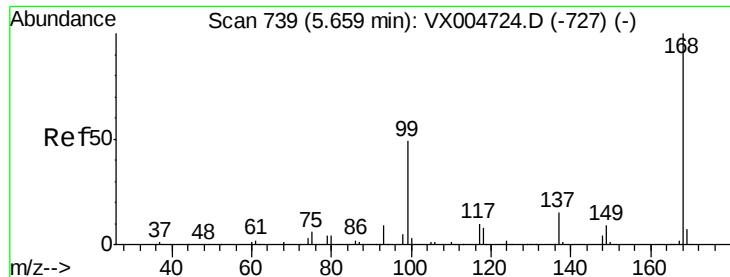
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 03 04:00:03 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

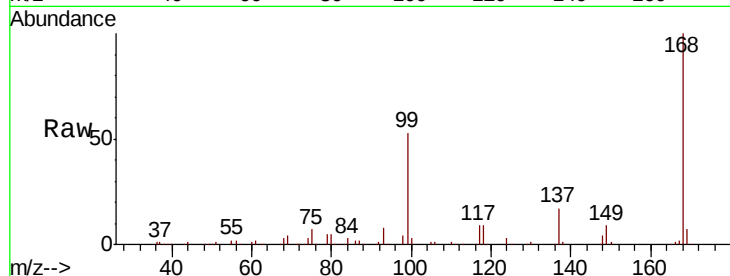
PB113364ZHE#05

Tot Ion:168 Resp: 202286

Ion Ratio Lower Upper

168 100

99 52.8 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

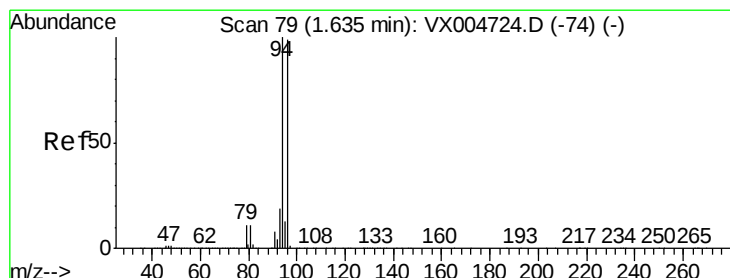
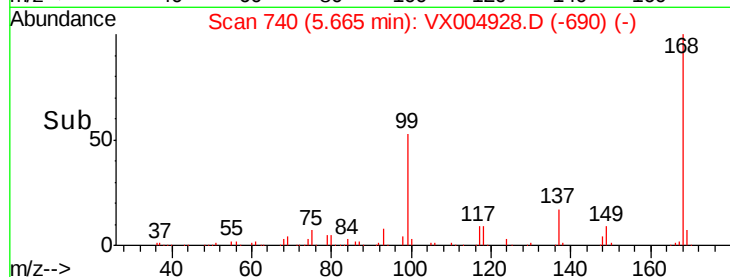
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.319 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004928.D

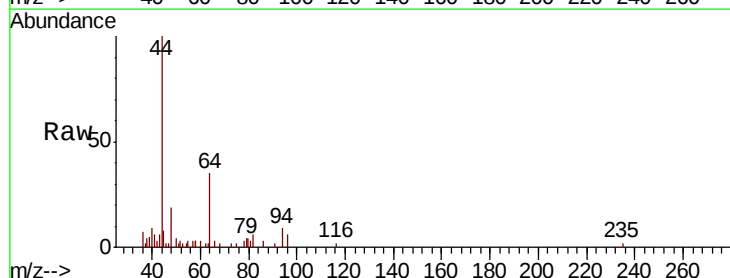
Acq: 02 Oct 2018 19:28

Tgt Ion: 94 Resp: 593

Ion Ratio Lower Upper

94 100

96 67.7 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

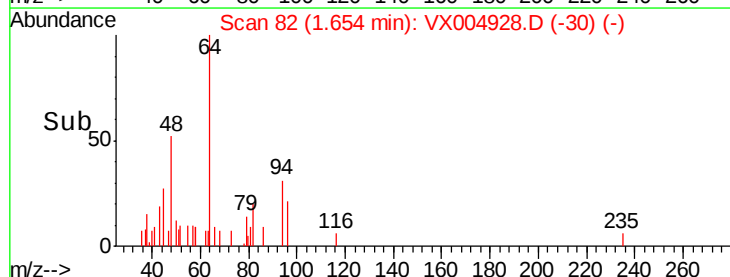
150

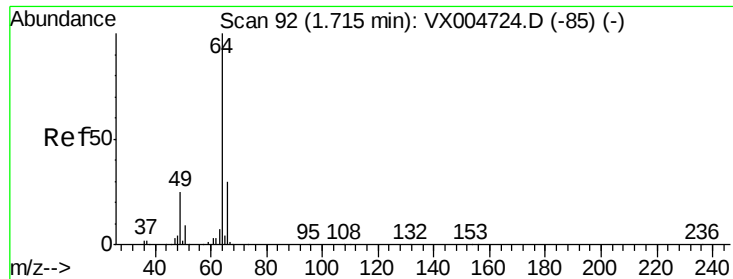
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

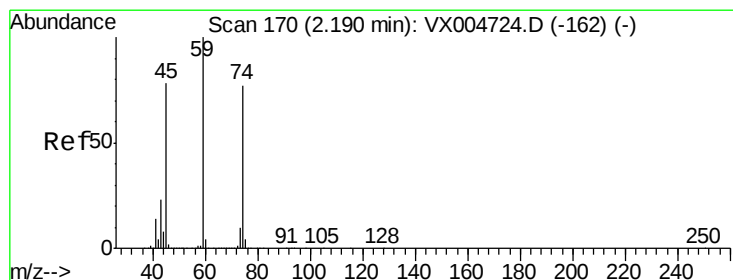
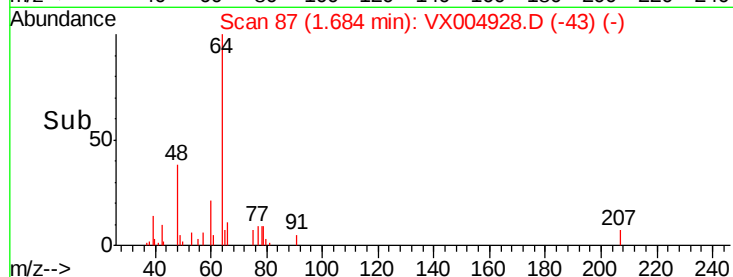
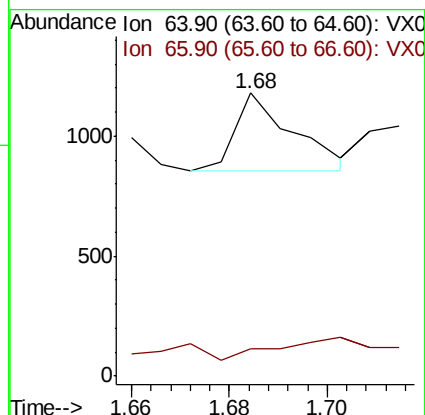
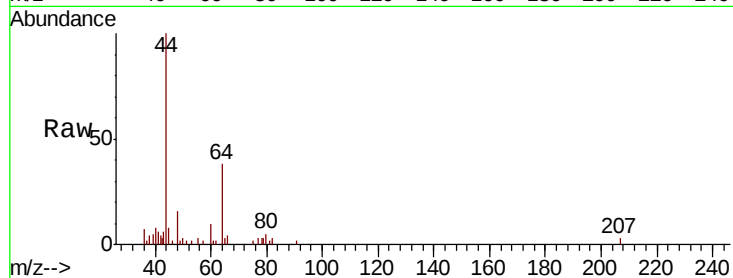
PB113364ZHE#05

Tot Ion: 64 Resp: 267

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.6#



#8

Diethyl Ether

Concen: 0.307 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX004928.D

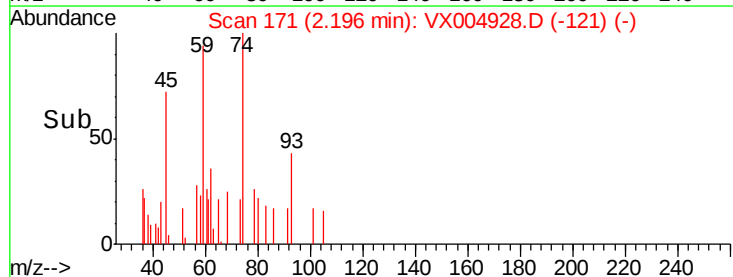
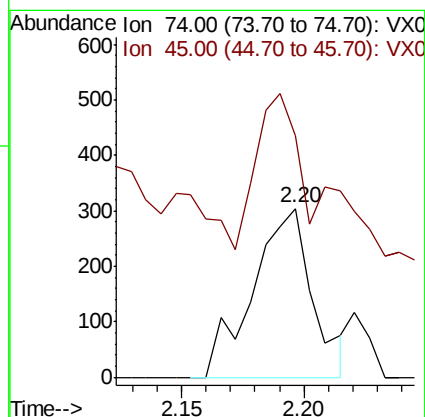
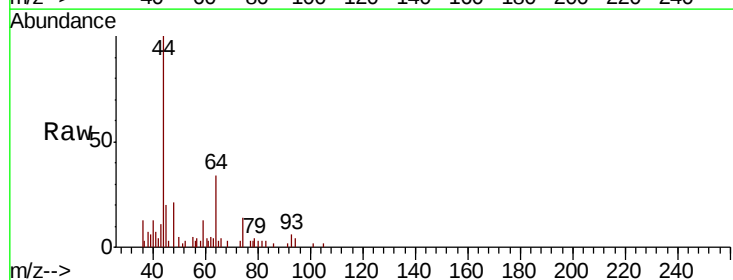
Acq: 02 Oct 2018 19:28

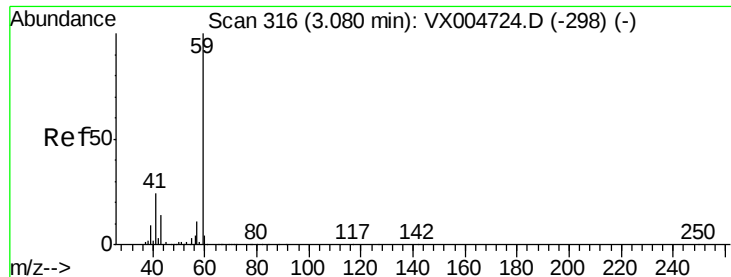
Tgt Ion: 74 Resp: 519

Ion Ratio Lower Upper

74 100

45 94.4 52.5 157.6



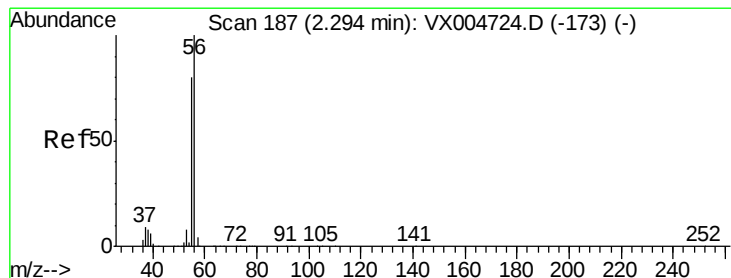
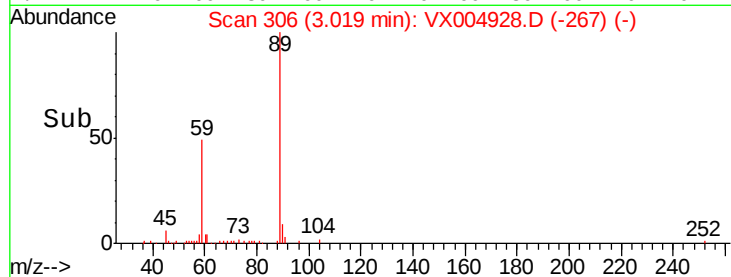
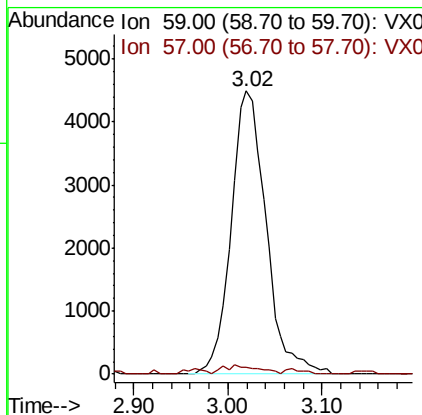
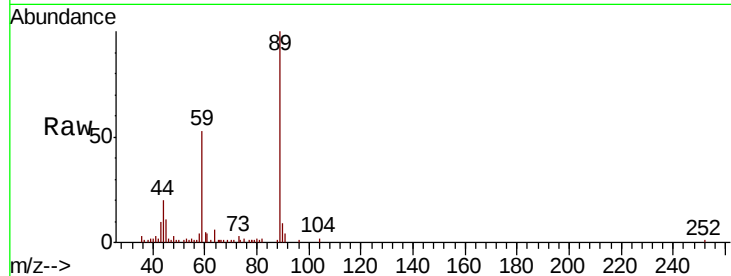


#11

Tert butyl alcohol  
 Concen: 14.310 ug/l  
 RT: 3.02 min Scan# 306  
 Delta R.T. -0.06 min  
 Lab File: VX004928.D  
 Acq: 02 Oct 2018 19:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB113364ZHE#05

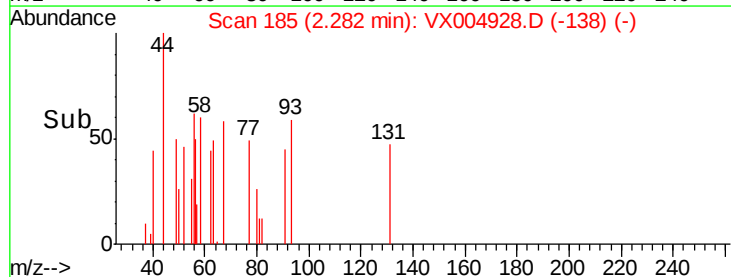
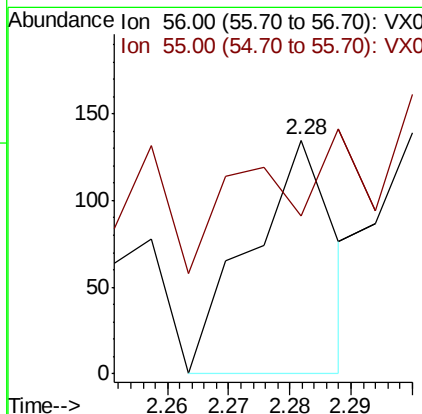
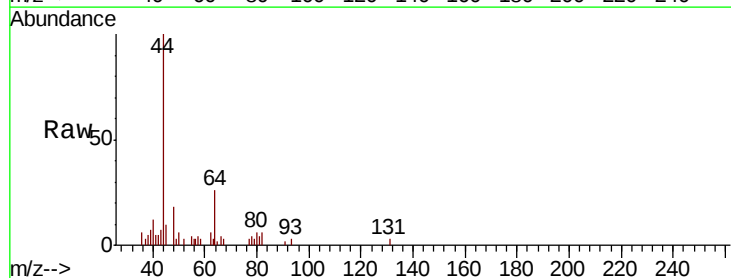
Tot Ion: 59 Resp: 11562  
 Ion Ratio Lower Upper  
 59 100  
 57 3.3 8.6 12.8#

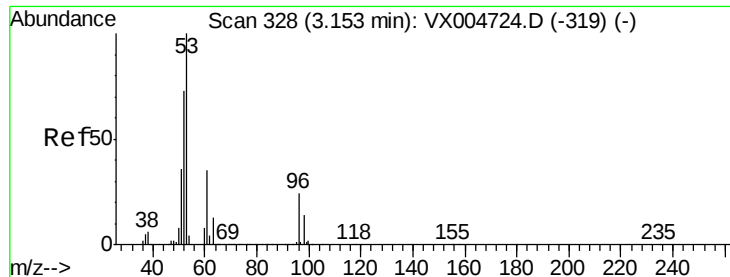


#13

Acrolein  
 Concen: 0.223 ug/l  
 RT: 2.28 min Scan# 185  
 Delta R.T. -0.01 min  
 Lab File: VX004928.D  
 Acq: 02 Oct 2018 19:28

Tgt Ion: 56 Resp: 128  
 Ion Ratio Lower Upper  
 56 100  
 55 92.2 63.4 95.2





#15

Acrylonitrile

Concen: 0.251 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

PB113364ZHE#05

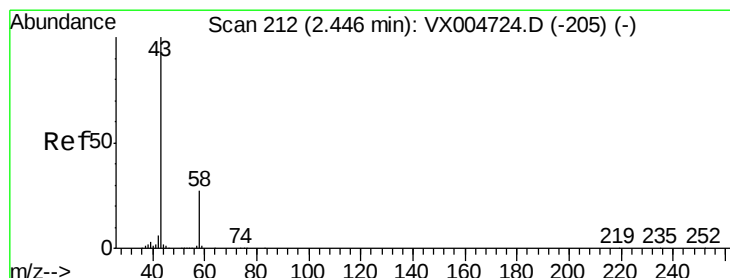
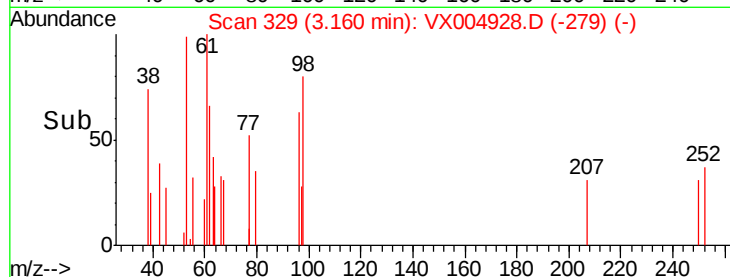
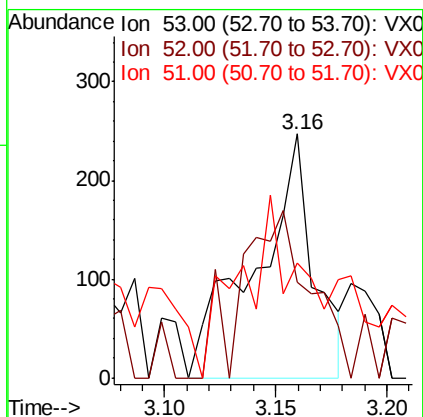
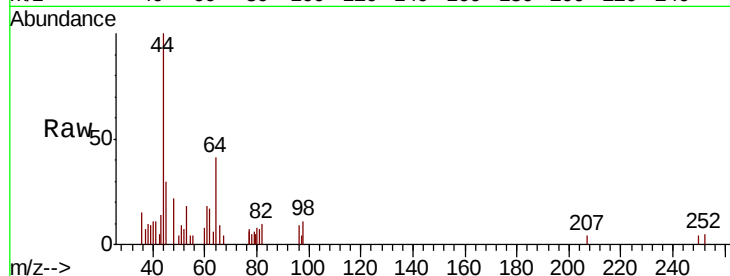
Tot Ion: 53 Resp: 446

Ion Ratio Lower Upper

53 100

52 82.5 63.0 94.4

51 76.7 28.6 42.8#



#16

Acetone

Concen: 12.211 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004928.D

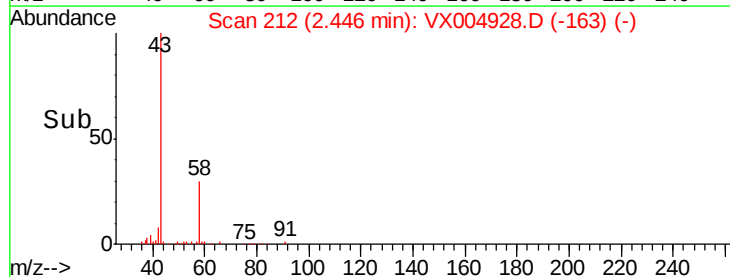
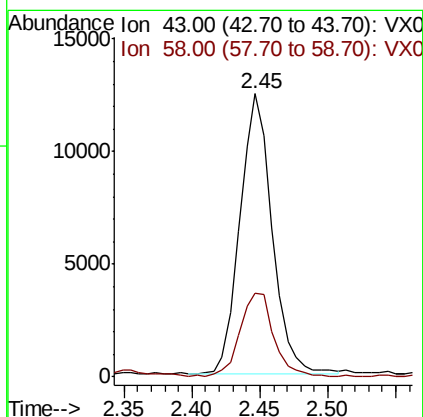
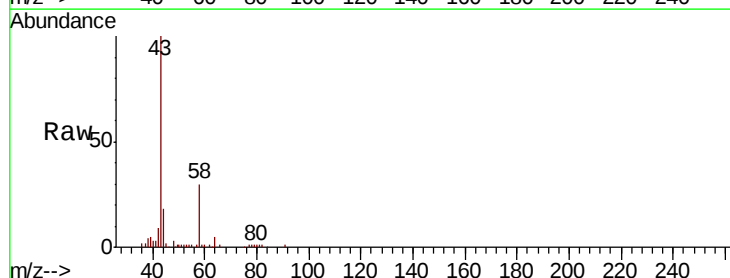
Acq: 02 Oct 2018 19:28

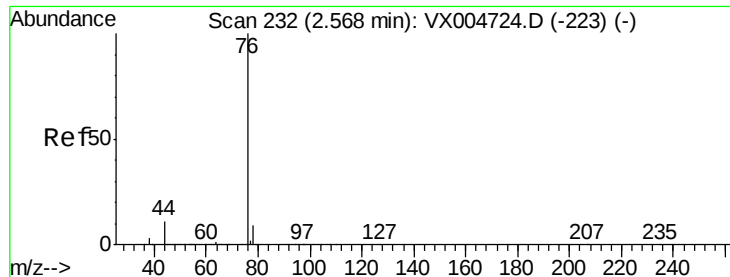
Tgt Ion: 43 Resp: 20600

Ion Ratio Lower Upper

43 100

58 30.0 21.8 32.6





#17

Carbon Disulfide

Concen: 0.228 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

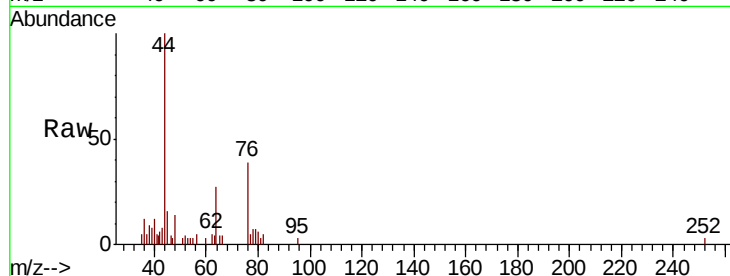
PB113364ZHE#05

Tot Ion: 76 Resp: 1501

Ion Ratio Lower Upper

76 100

78 7.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

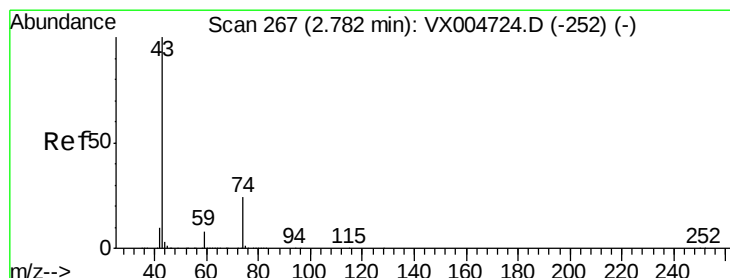
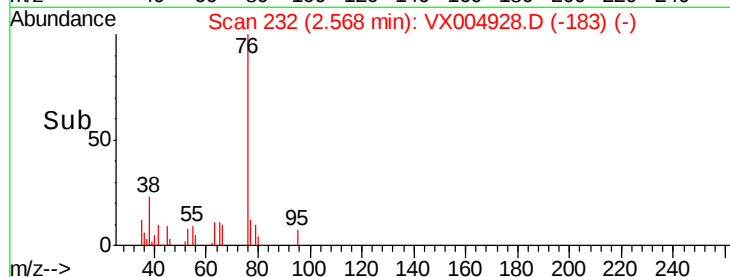
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 2.242 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX004928.D

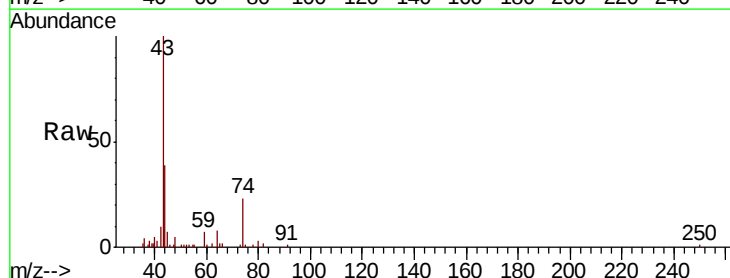
Acq: 02 Oct 2018 19:28

Tgt Ion: 43 Resp: 9584

Ion Ratio Lower Upper

43 100

74 23.9 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

6000

5000

4000

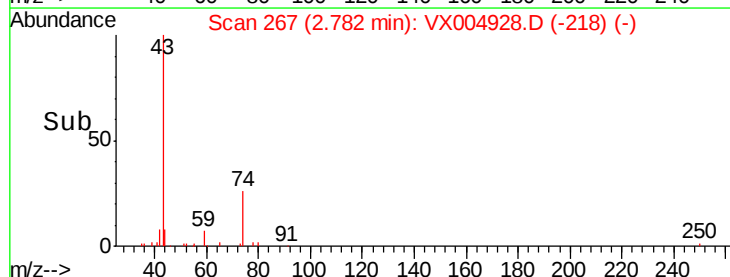
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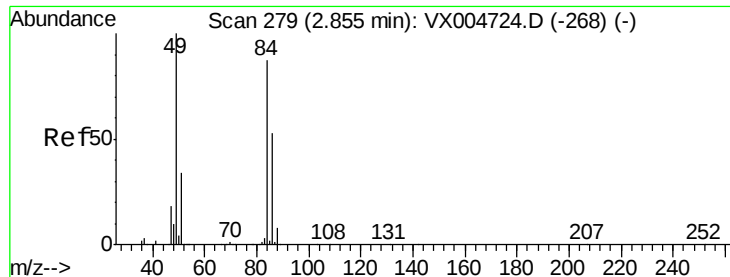
2000

1000

0

Time-->

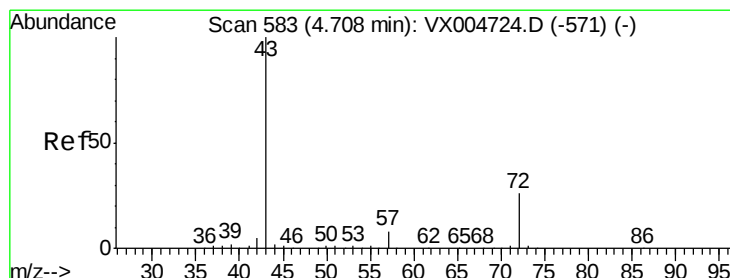
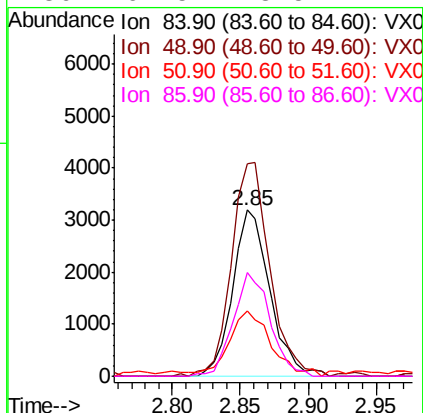
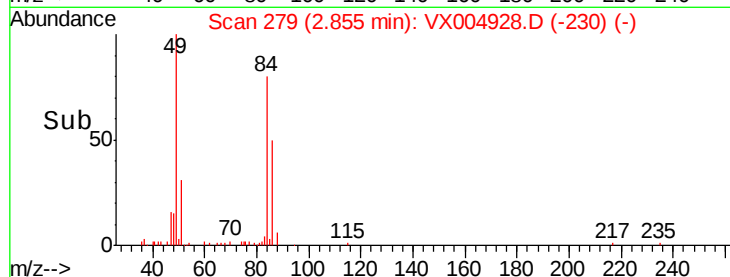
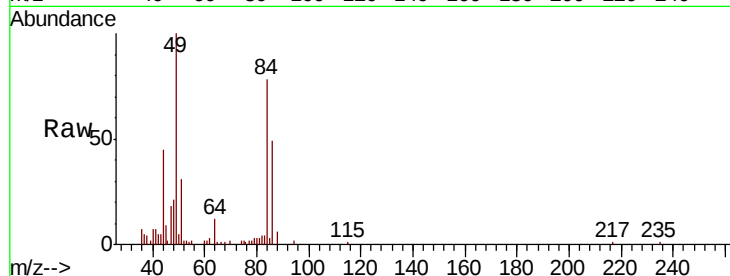




#20  
Methylene Chloride  
Concen: 1.669 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX004928.D  
Acq: 02 Oct 2018 19:28

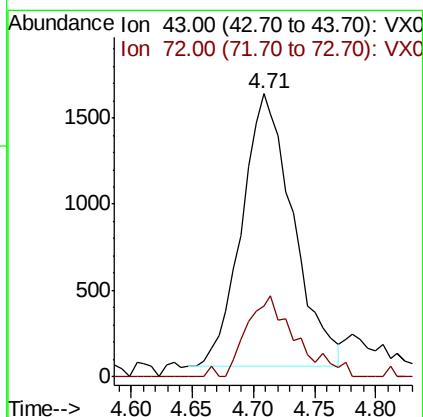
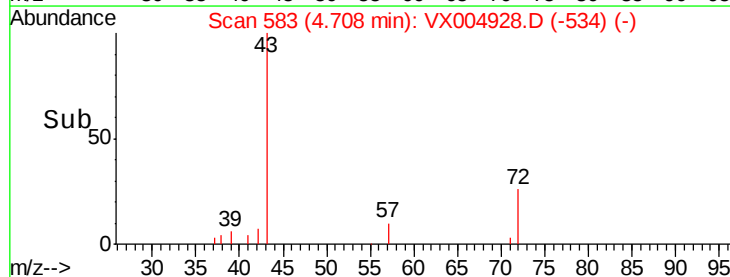
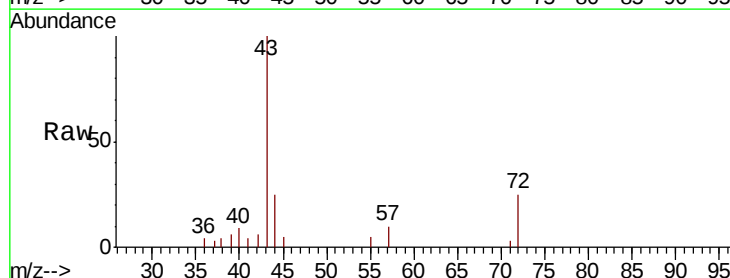
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB113364ZHE#05

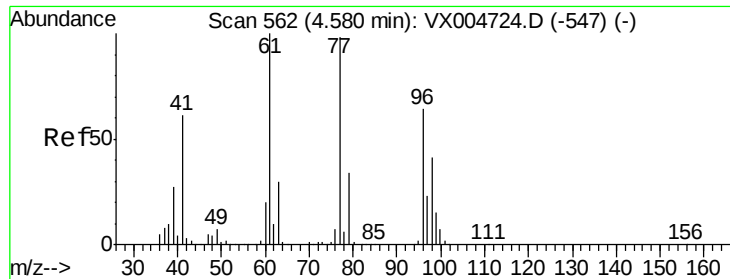
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 6084  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 127.5 | 92.3  | 138.5 |
| 51       | 37.2  | 31.8  | 47.6  |
| 86       | 62.5  | 48.5  | 72.7  |



#25  
2-Butanone  
Concen: 1.855 ug/l  
RT: 4.71 min Scan# 583  
Delta R.T. 0.00 min  
Lab File: VX004928.D  
Acq: 02 Oct 2018 19:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4613  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 26.2  | 20.8  | 31.2  |





#26

2,2-Dichloropropane

Concen: 0.223 ug/l

RT: 4.78 min Scan# 594

Delta R.T. 0.20 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

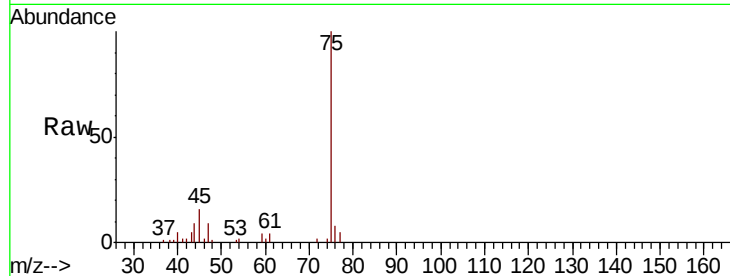
PB113364ZHE#05

Tot Ion: 77 Resp: 746

Ion Ratio Lower Upper

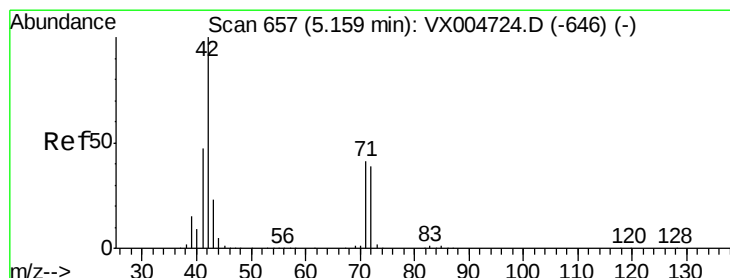
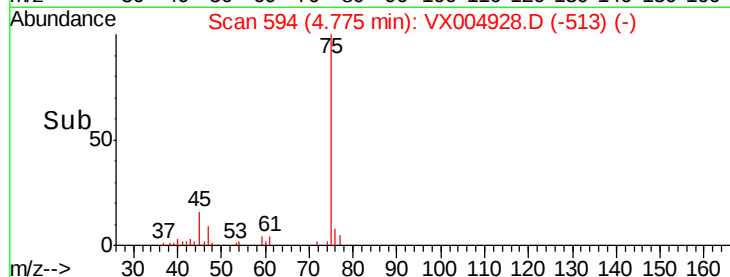
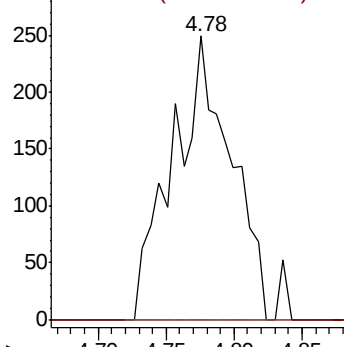
77 100

97 0.0 12.6 37.8#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 1.501 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

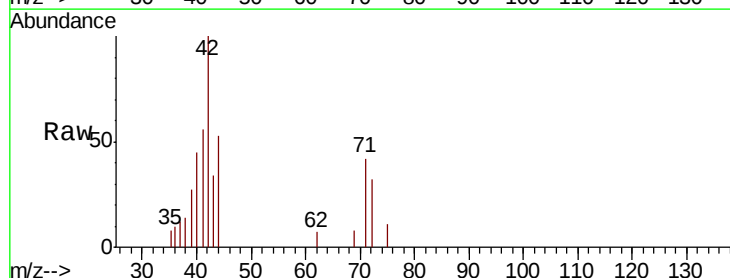
Tgt Ion: 42 Resp: 2320

Ion Ratio Lower Upper

42 100

72 33.8 33.7 50.5

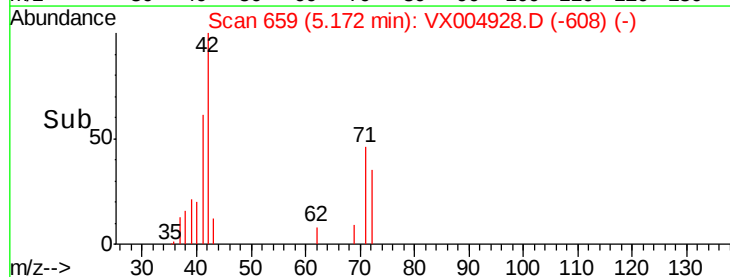
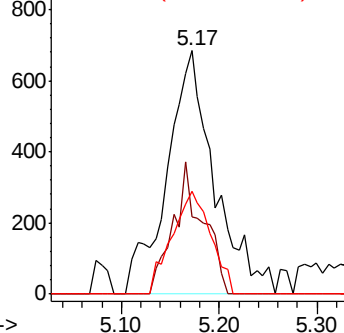
71 34.3 32.2 48.4

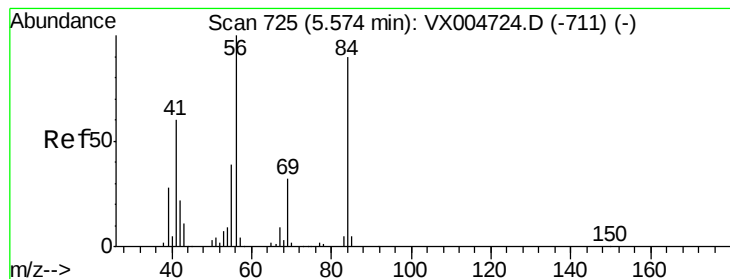


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.052 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.10 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

PB113364ZHE#05

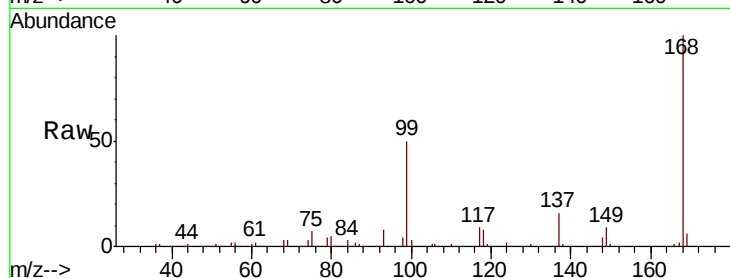
Tot Ion: 56 Resp: 3868

Ion Ratio Lower Upper

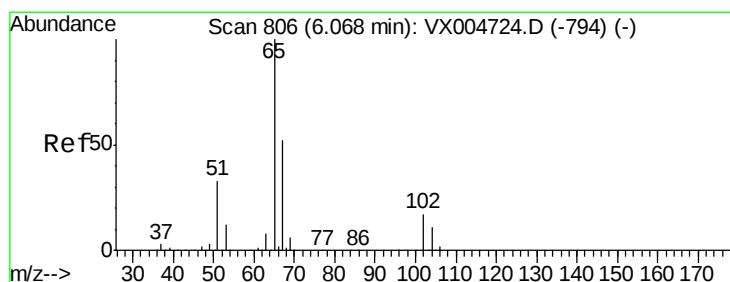
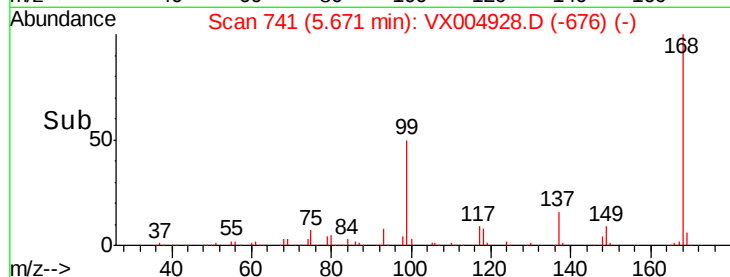
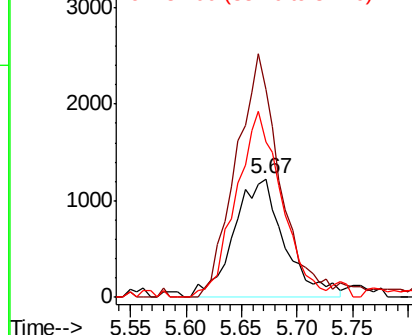
56 100

69 175.7 25.9 38.9#

84 131.3 71.9 107.9#



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



#33

1,2-Dichloroethane-d4

Concen: 55.752 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004928.D

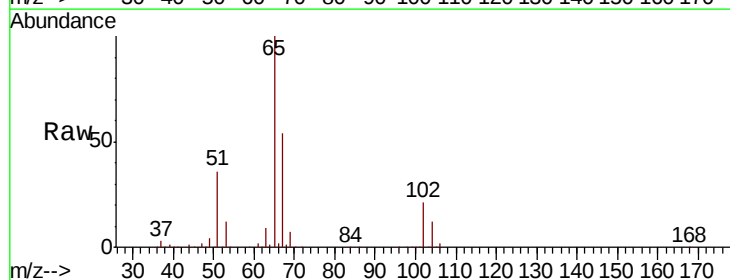
Acq: 02 Oct 2018 19:28

Tgt Ion: 65 Resp: 161104

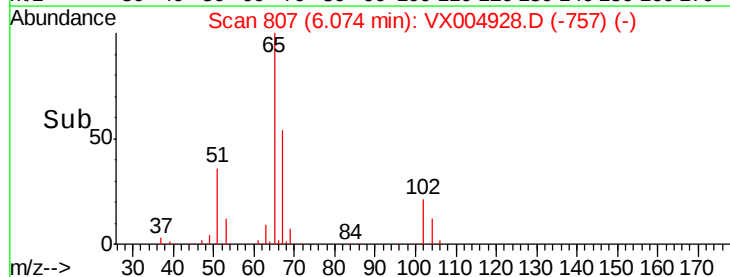
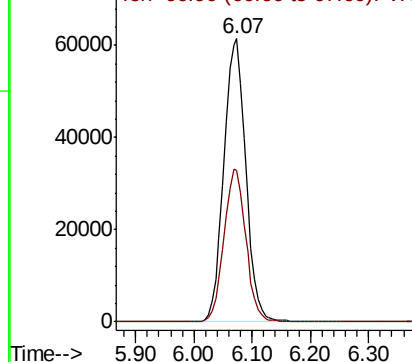
Ion Ratio Lower Upper

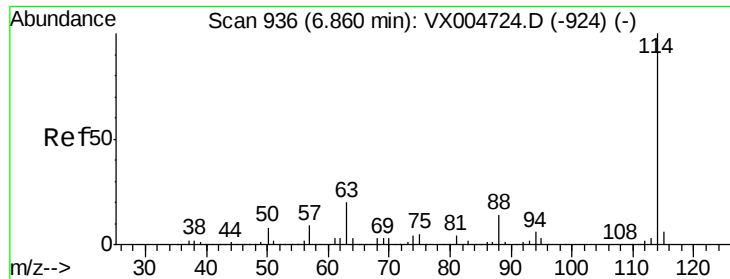
65 100

67 53.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0  
Ion 66.90 (66.60 to 67.60): VX0

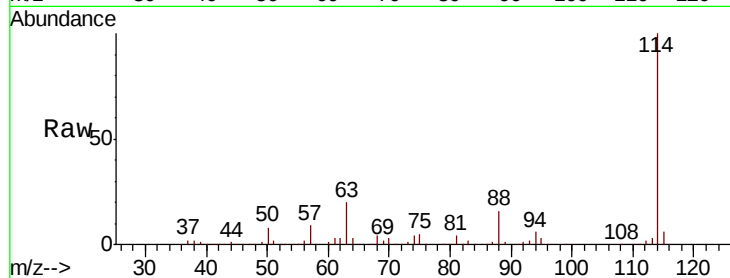




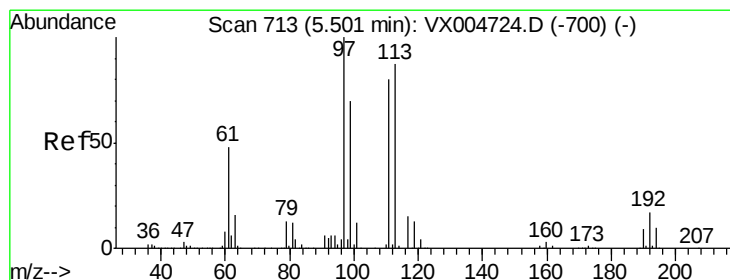
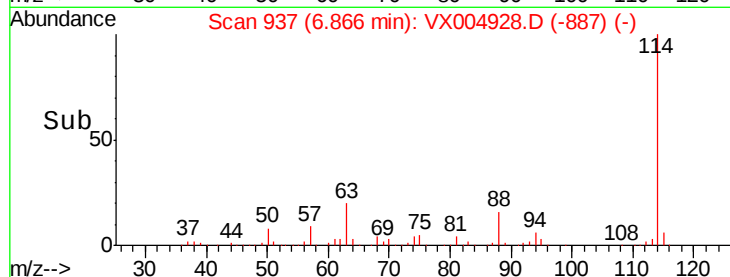
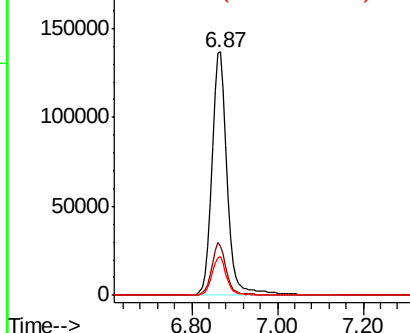
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.87 min Scan# 937  
Delta R.T. 0.01 min  
Lab File: VX004928.D  
Acq: 02 Oct 2018 19:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB113364ZHE#05

Tot Ion:114 Resp: 343923  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 39.8  
88 15.8 0.0 27.0

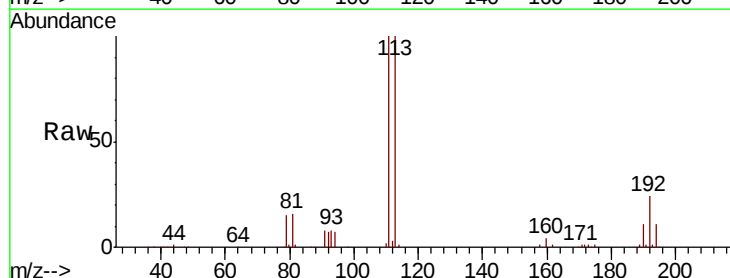


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

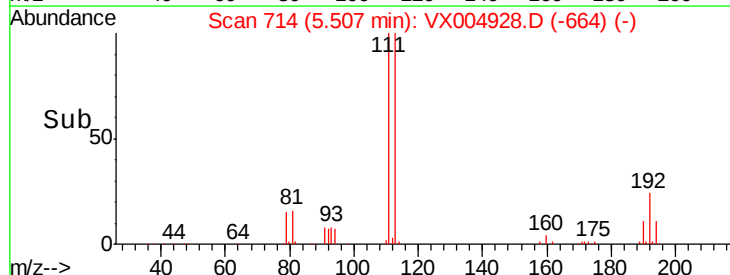
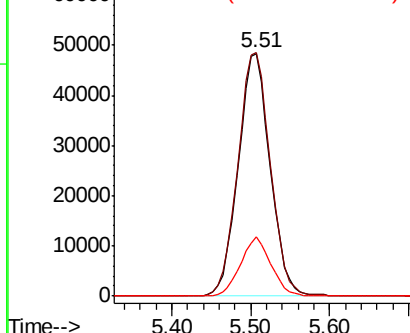


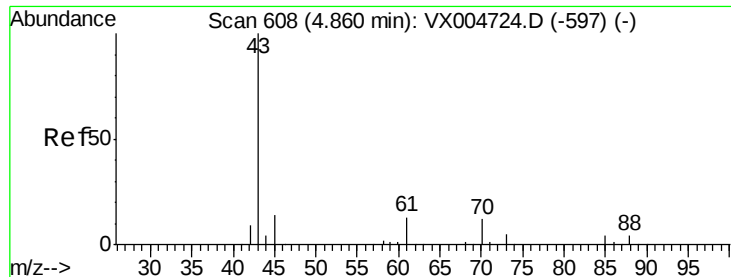
#35  
Dibromofluoromethane  
Concen: 46.504 ug/l  
RT: 5.51 min Scan# 714  
Delta R.T. 0.01 min  
Lab File: VX004928.D  
Acq: 02 Oct 2018 19:28

Tgt Ion:113 Resp: 135549  
Ion Ratio Lower Upper  
113 100  
111 102.4 77.0 115.4  
192 23.4 17.0 25.6



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





#37

Ethyl Acetate

Concen: 0.874 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.15 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

PB113364ZHE#05

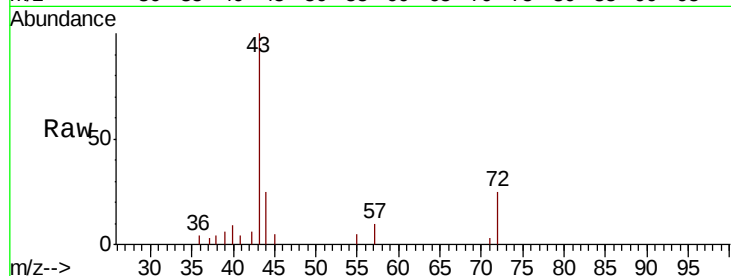
Tot Ion: 43 Resp: 4613

Ion Ratio Lower Upper

43 100

61 0.9 10.4 15.6#

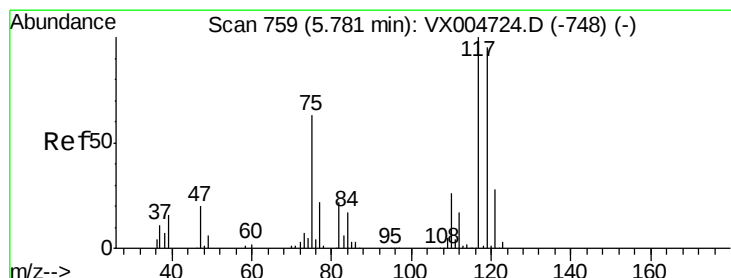
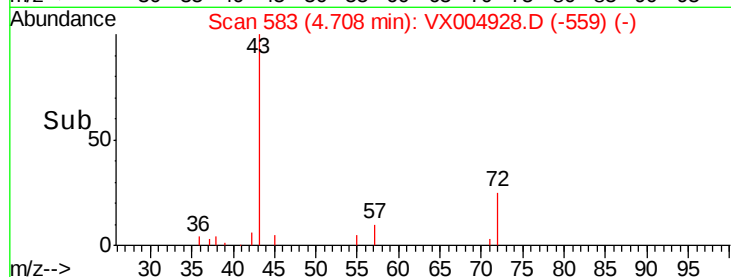
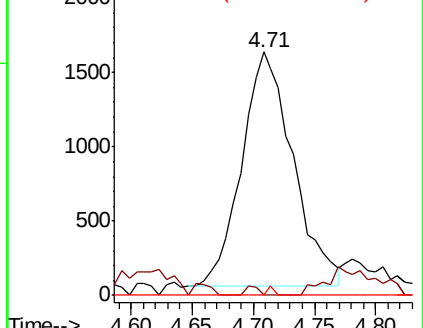
70 0.5 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 4.357 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

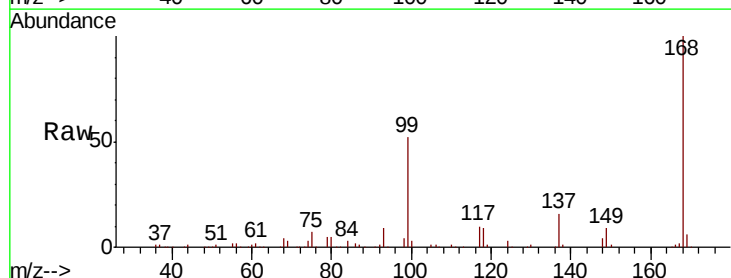
Tgt Ion: 117 Resp: 18213

Ion Ratio Lower Upper

117 100

119 5.5 75.2 112.8#

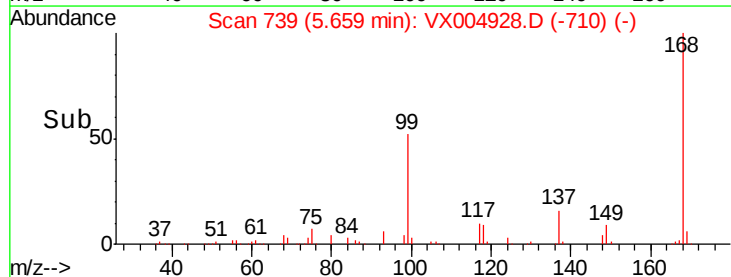
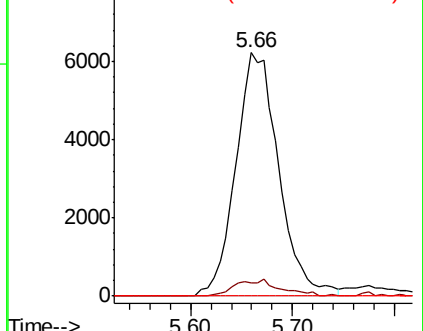
121 0.0 22.5 33.7#

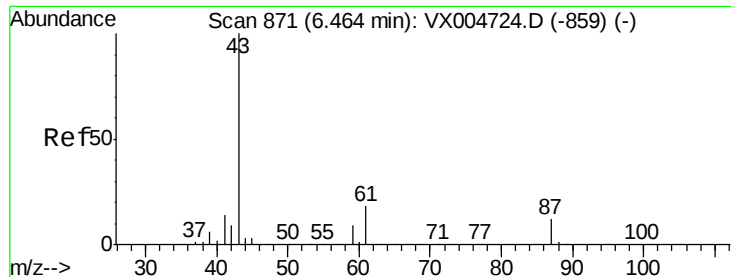


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 24.812 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

PB113364ZHE#05

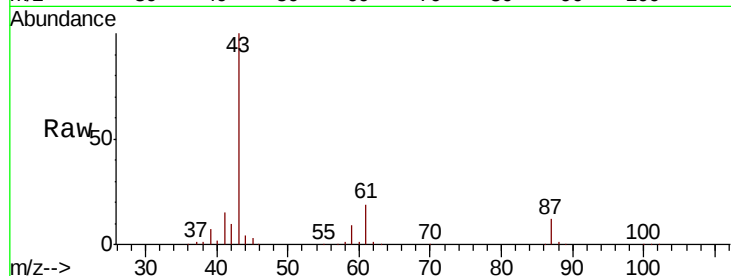
Tot Ion: 43 Resp: 189046

Ion Ratio Lower Upper

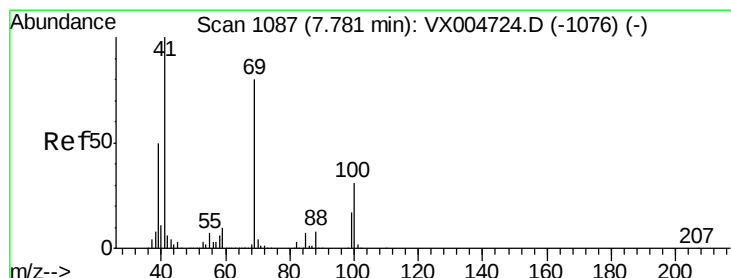
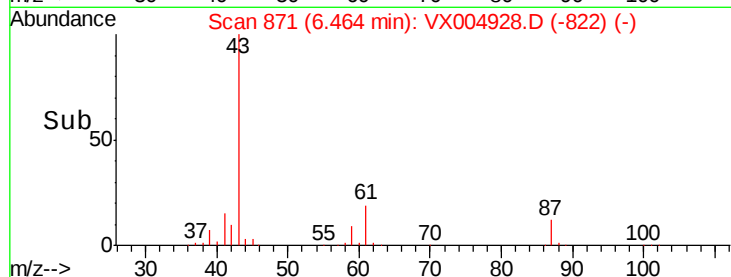
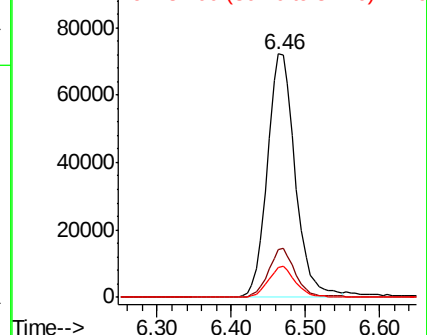
43 100

61 19.4 14.2 21.4

87 12.4 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 61.00 (60.70 to 61.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 5.725 ug/l

RT: 7.88 min Scan# 1104

Delta R.T. 0.10 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

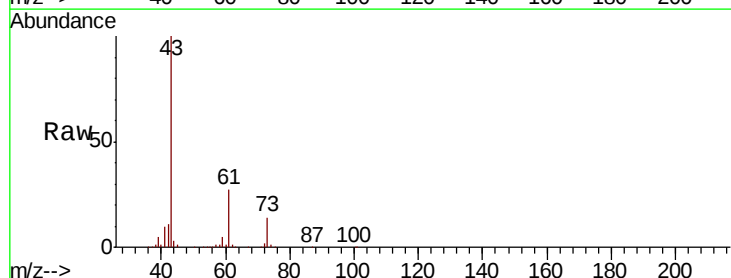
Tgt Ion: 41 Resp: 19797

Ion Ratio Lower Upper

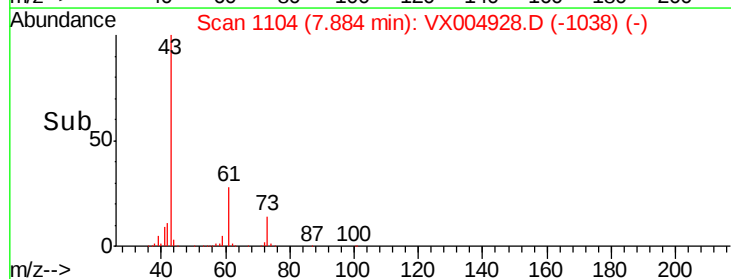
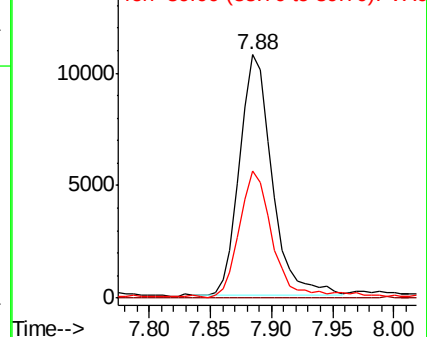
41 100

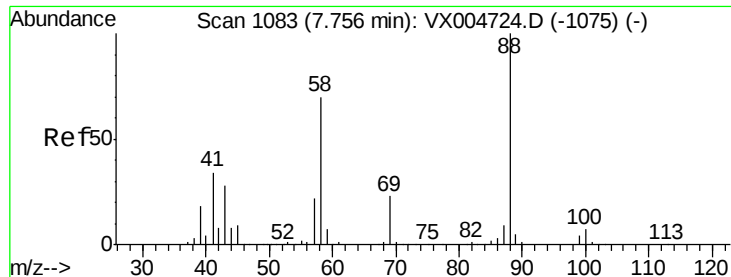
69 0.0 63.8 95.6#

39 53.3 40.7 61.1



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0

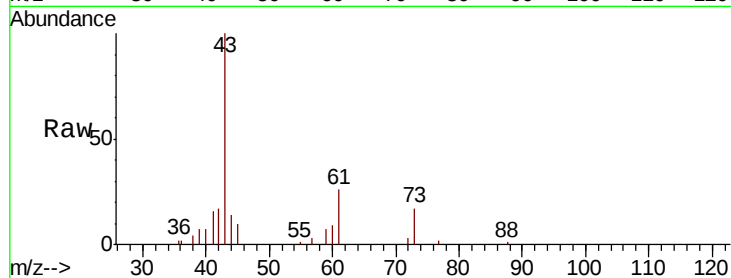




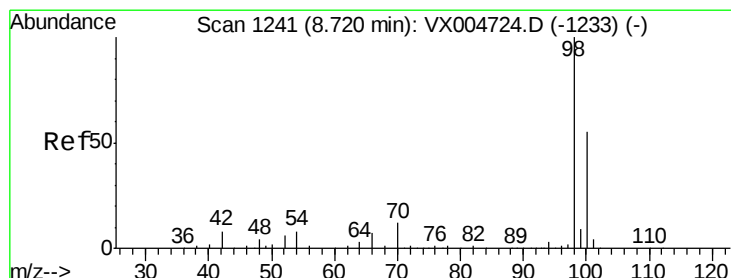
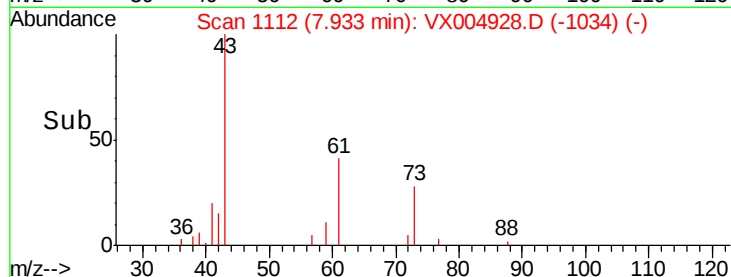
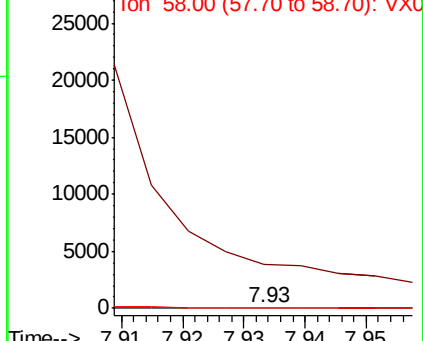
#49  
1,4-Dioxane  
Concen: 0.221 ug/l  
RT: 7.93 min Scan# 1112  
Delta R.T. 0.18 min  
Lab File: VX004928.D  
Acq: 02 Oct 2018 19:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB113364ZHE#05

Tot Ion: 88 Resp: 19  
Ion Ratio Lower Upper  
88 100  
43 0.0 25.1 37.7#  
58 0.0 56.2 84.2#

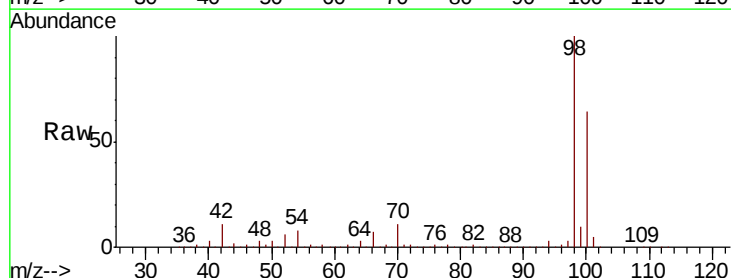


Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

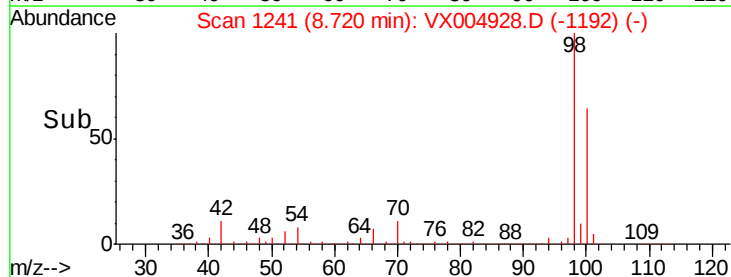
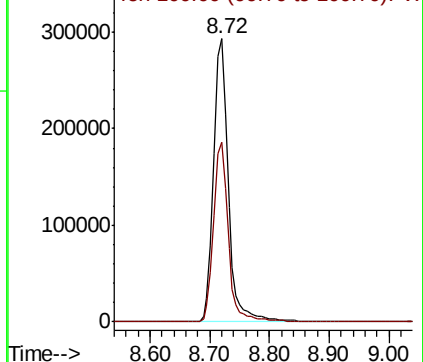


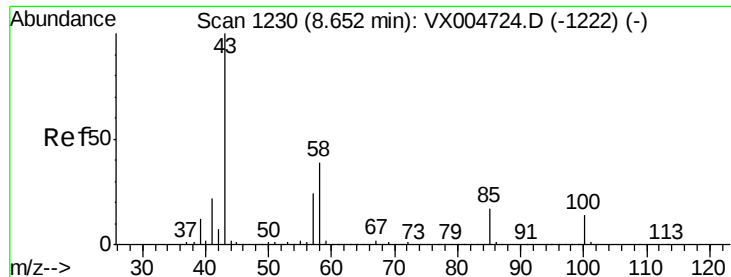
#50  
Toluene-d8  
Concen: 51.544 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VX004928.D  
Acq: 02 Oct 2018 19:28

Tgt Ion: 98 Resp: 499470  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.9 77.9



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

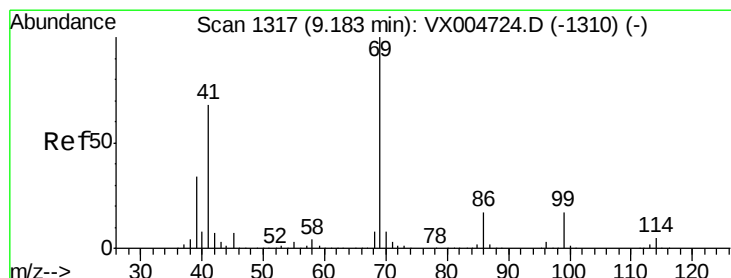
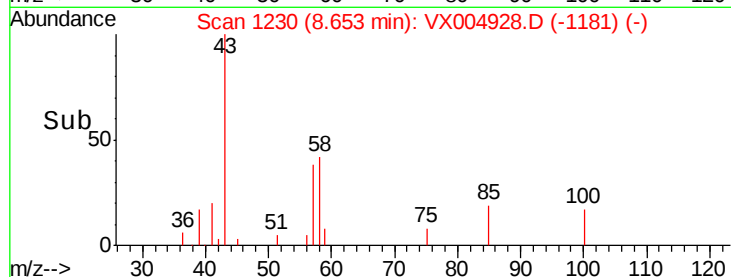
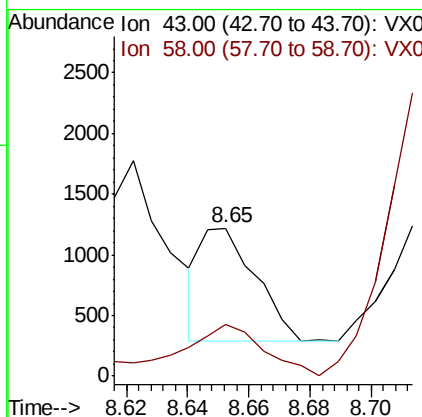
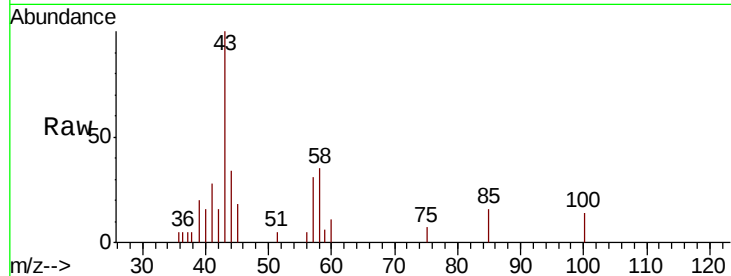




#51  
4-Methyl-2-Pentanone  
Concen: 0.238 ug/l  
RT: 8.65 min Scan# 1230  
Delta R.T. 0.00 min  
Lab File: VX004928.D  
Acq: 02 Oct 2018 19:28

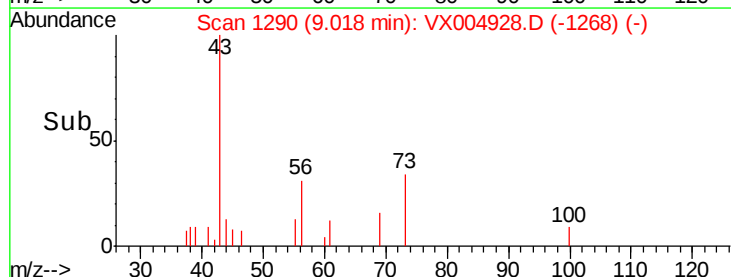
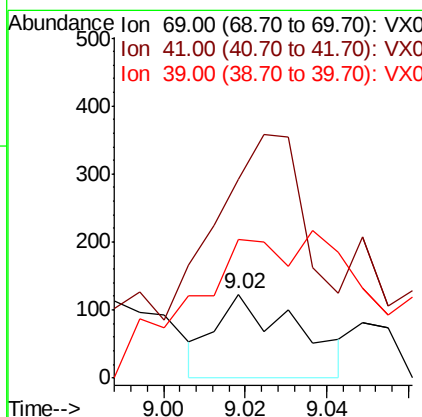
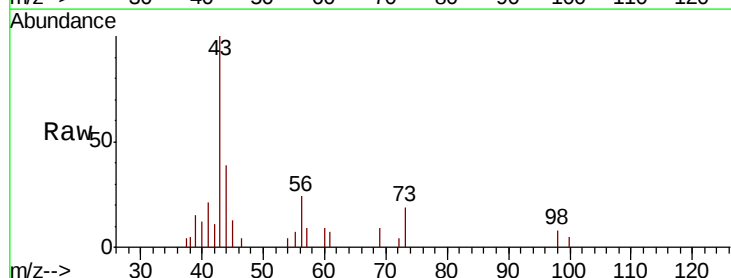
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB113364ZHE#05

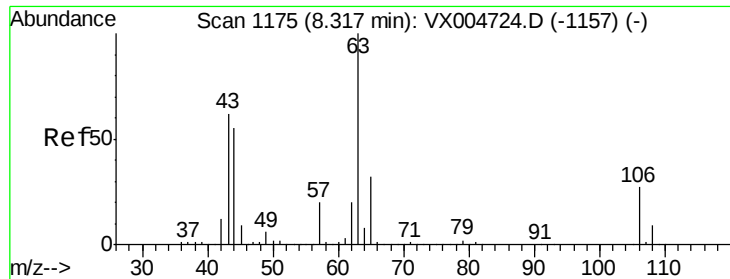
Tot Ion: 43 Resp: 1140  
Ion Ratio Lower Upper  
43 100  
58 77.3 30.5 45.7#



#56  
Ethyl methacrylate  
Concen: 2.895 ug/l  
RT: 9.02 min Scan# 1290  
Delta R.T. -0.16 min  
Lab File: VX004928.D  
Acq: 02 Oct 2018 19:28

Tgt Ion: 69 Resp: 172  
Ion Ratio Lower Upper  
69 100  
41 231.4 56.9 85.3#  
39 206.4 28.4 42.6#

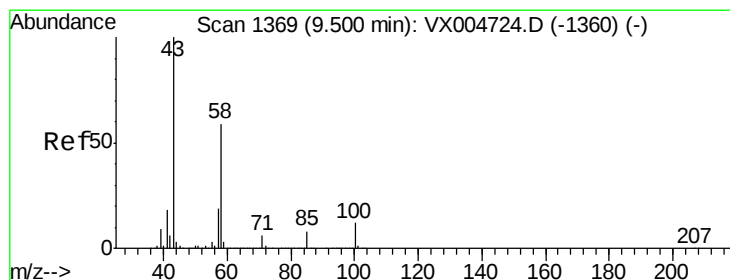
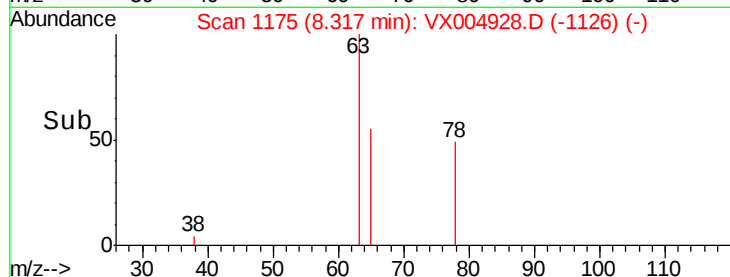
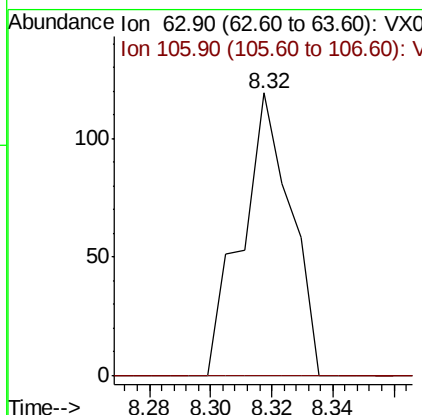
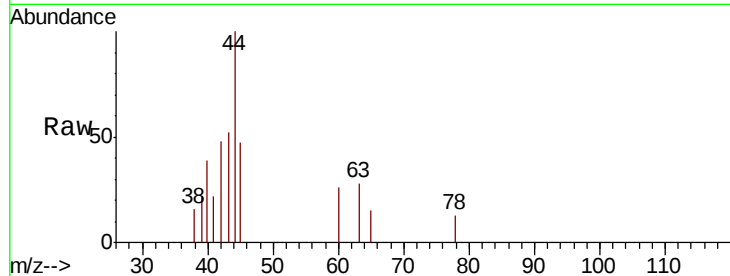




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 14.290 ug/l  
 RT: 8.32 min Scan# 1175  
 Delta R.T. 0.00 min  
 Lab File: VX004928.D  
 Acq: 02 Oct 2018 19:28

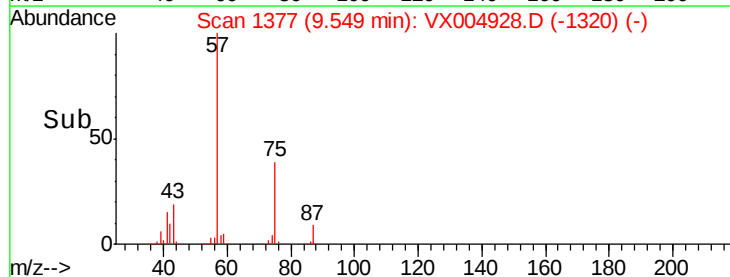
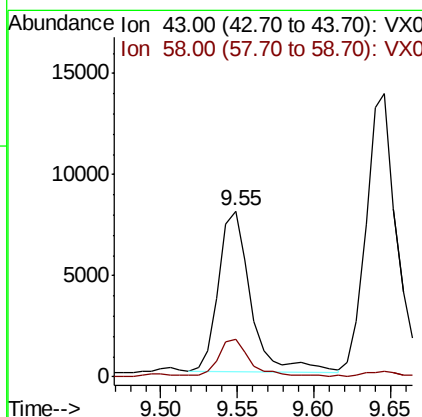
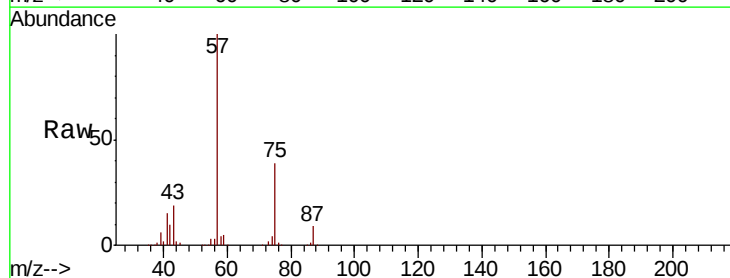
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB113364ZHE#05

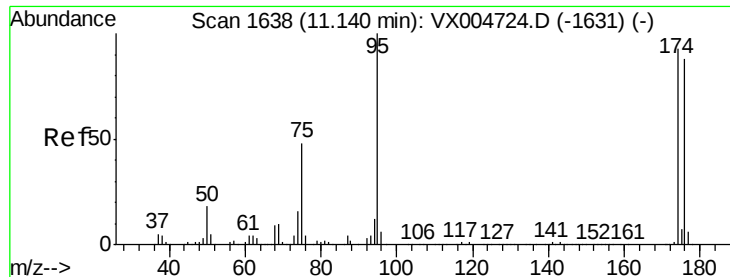
Tot Ion: 63 Resp: 132  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 21.0 31.6#



#59  
 2-Hexanone  
 Concen: 2.931 ug/l  
 RT: 9.55 min Scan# 1377  
 Delta R.T. 0.05 min  
 Lab File: VX004928.D  
 Acq: 02 Oct 2018 19:28

Tgt Ion: 43 Resp: 11718  
 Ion Ratio Lower Upper  
 43 100  
 58 23.8 28.4 85.3#

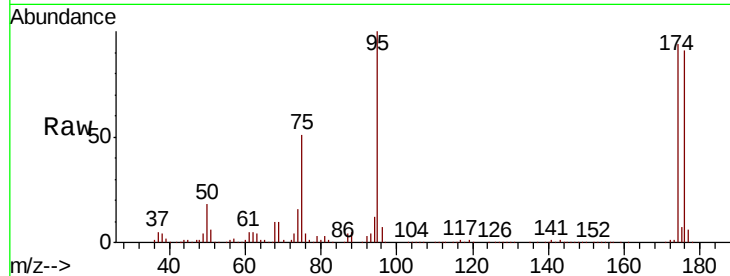




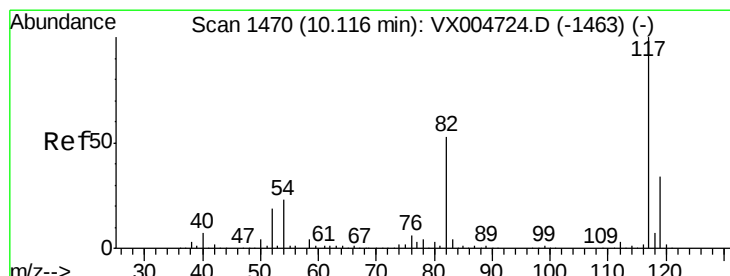
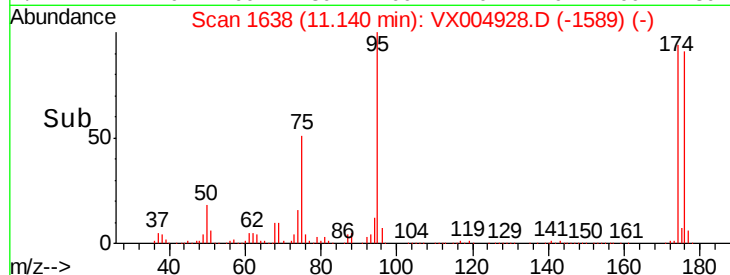
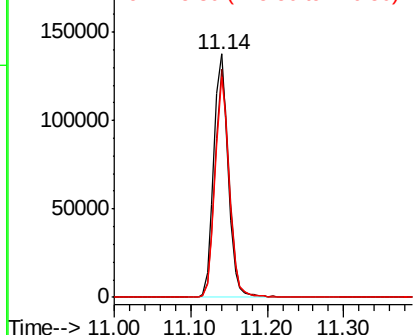
#62  
4-Bromofluorobenzene  
Concen: 51.838 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.00 min  
Lab File: VX004928.D  
Acq: 02 Oct 2018 19:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB113364ZHE#05

Tot Ion: 95 Resp: 180963  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 185.0  
176 88.7 0.0 180.2

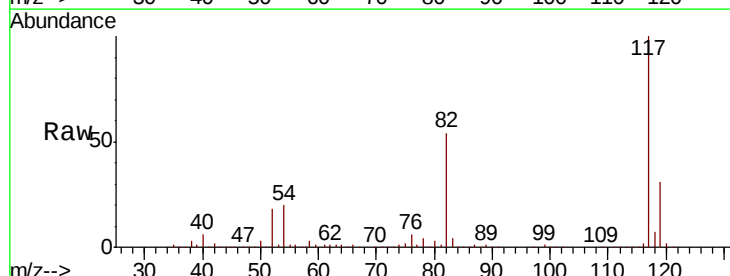


Abundance Ion 94.90 (94.60 to 95.60): VX0  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

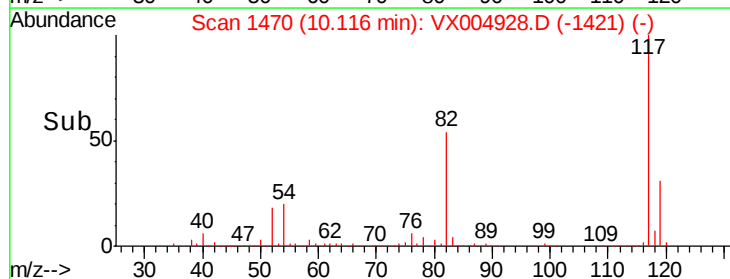
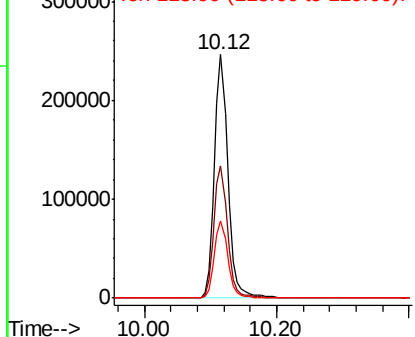


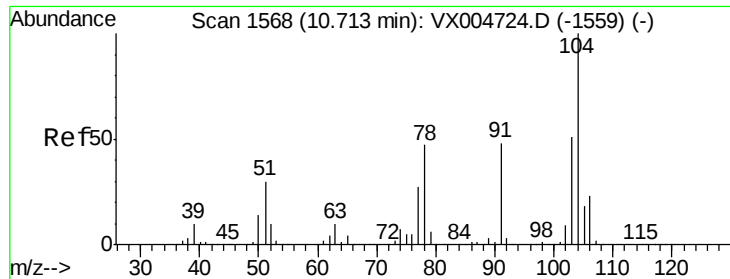
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004928.D  
Acq: 02 Oct 2018 19:28

Tgt Ion: 117 Resp: 345058  
Ion Ratio Lower Upper  
117 100  
82 54.4 42.2 63.4  
119 31.5 27.4 41.0



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





#70

Stvrene

Concen: 2.180 ug/l

RT: 10.72 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

PB113364ZHE#05

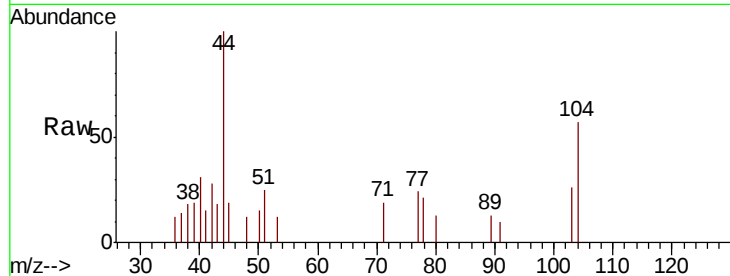
Tot Ion:104 Resp: 391

Ion Ratio Lower Upper

104 100

78 50.6 40.0 60.0

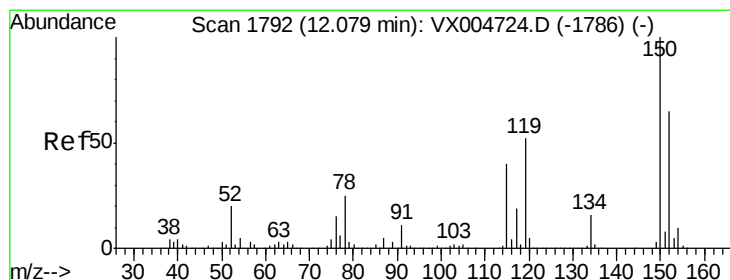
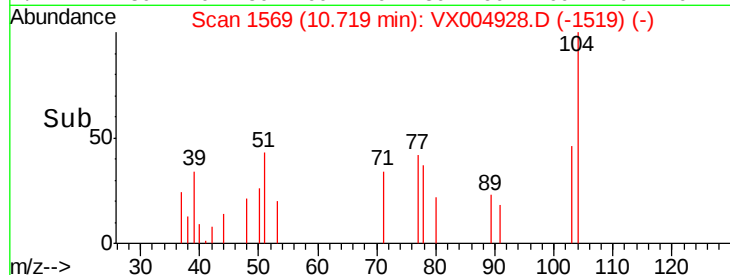
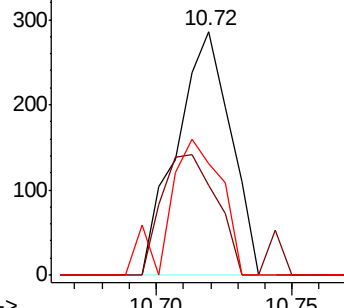
103 54.0 44.3 66.5



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: VX004928.D

Acq: 02 Oct 2018 19:28

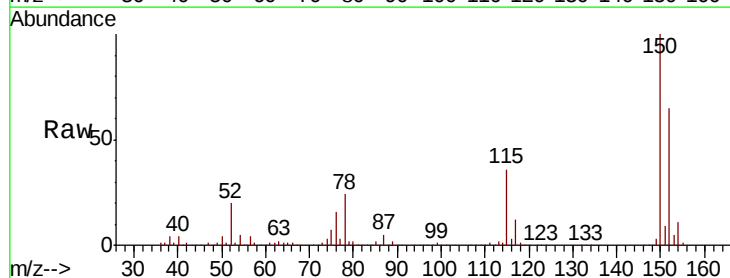
Tgt Ion:152 Resp: 189476

Ion Ratio Lower Upper

152 100

115 55.7 40.2 120.6

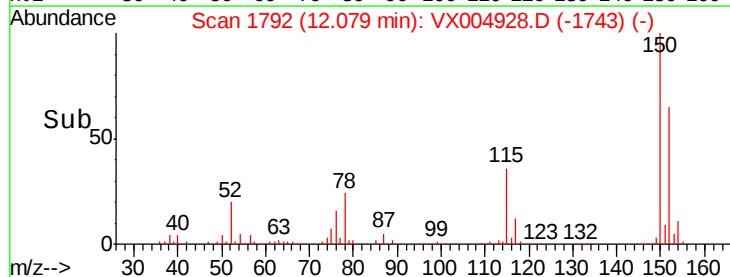
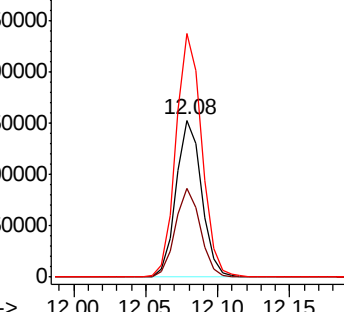
150 156.8 0.0 351.0

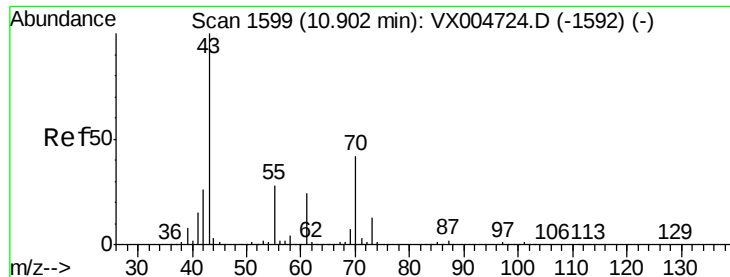


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.789 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

PB113364ZHE#05

Tot Ion: 43 Resp: 278

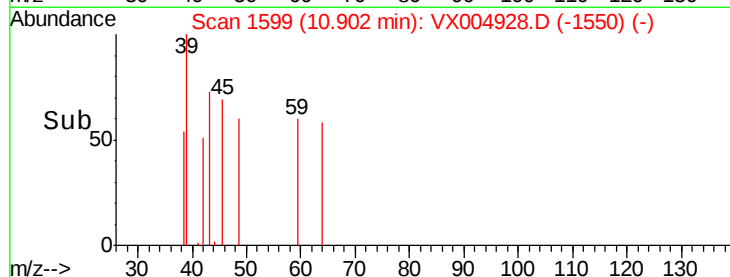
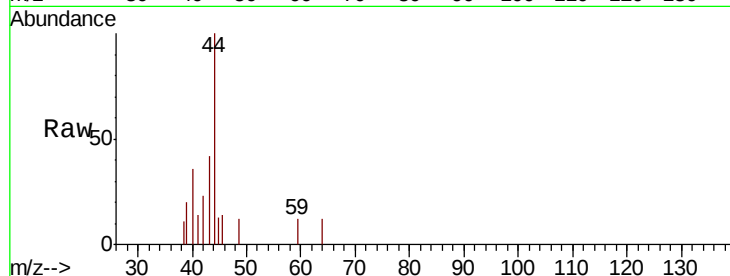
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 28.1 21.6 32.4

61 0.0 19.1 28.7#

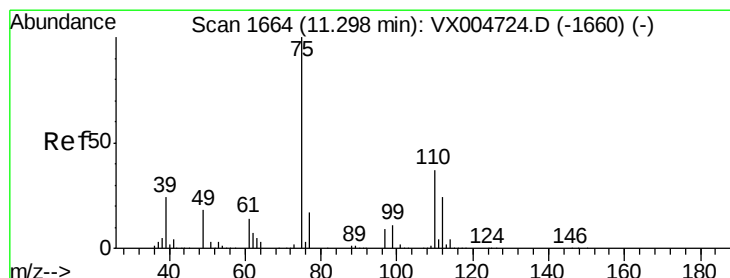
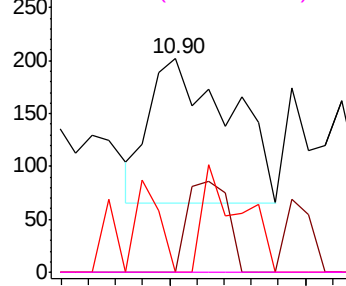


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.493 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004928.D

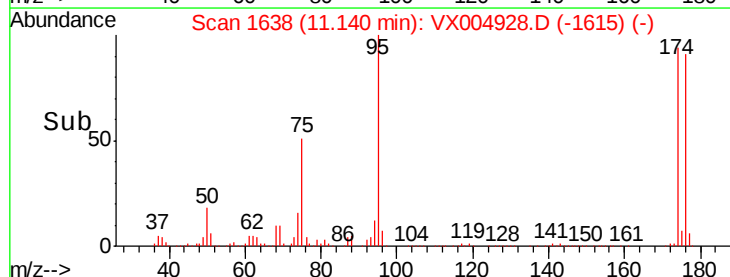
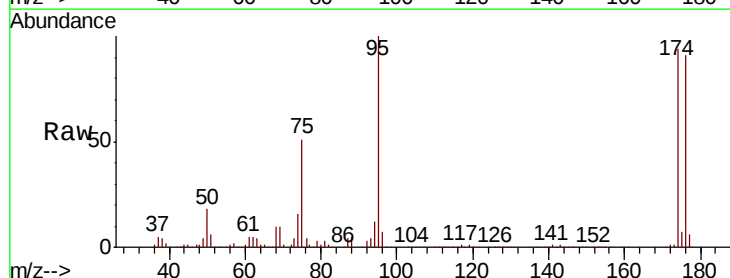
Acq: 02 Oct 2018 19:28

Tgt Ion: 75 Resp: 91279

Ion Ratio Lower Upper

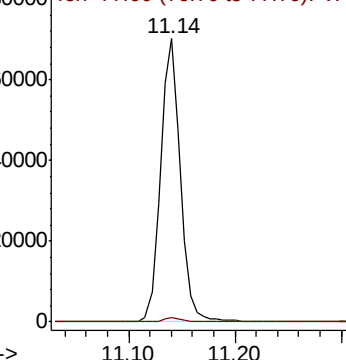
75 100

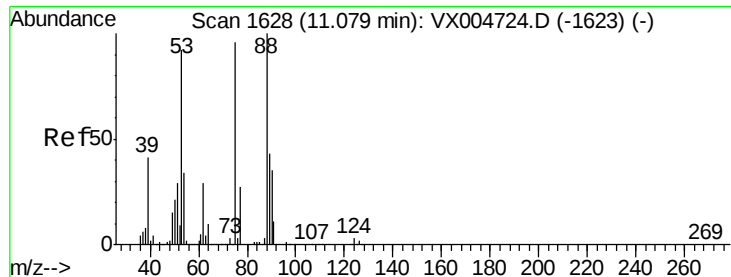
77 1.4 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.278 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

Instrument :

MSVOA\_X

ClientSampleId :

PB113364ZHE#05

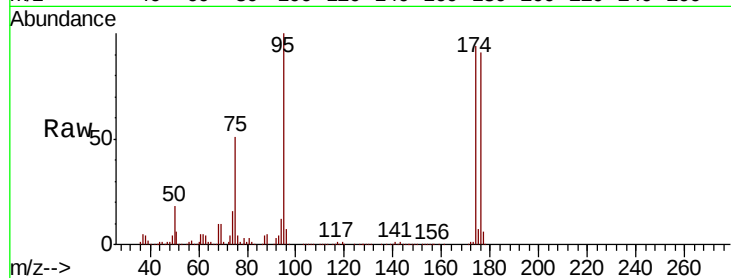
Tot Ion: 75 Resp: 91279

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

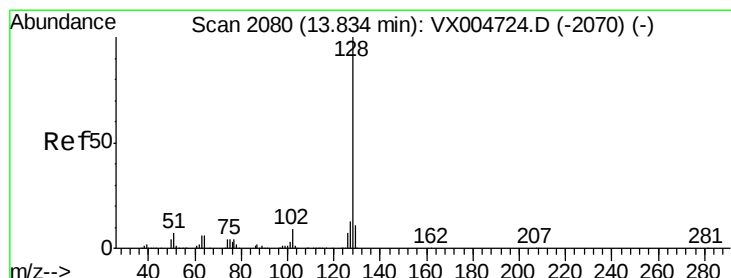
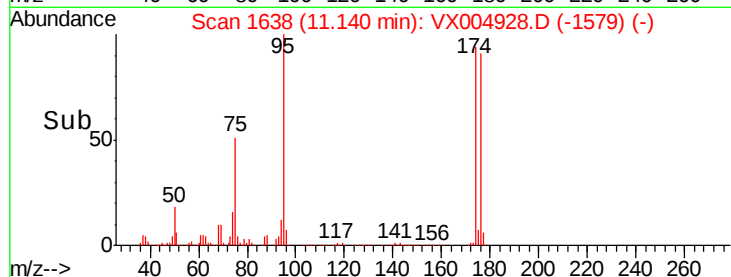
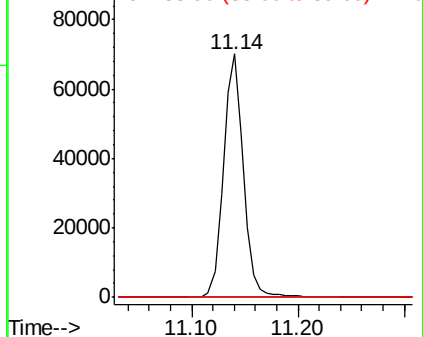
89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 0.792 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004928.D

Acq: 02 Oct 2018 19:28

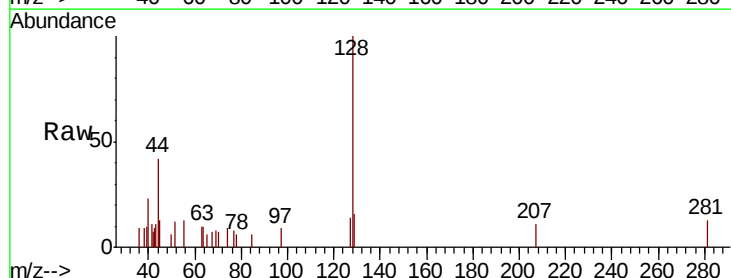
Tgt Ion: 128 Resp: 1159

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

129 12.1 8.7 13.1



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

