

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\  
 Data File : VX011951.D  
 Acq On : 31 Aug 2019 15:23  
 Operator : SY/SP  
 Sample : K4516-15  
 Misc : 5.82g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T2-S-B4-(0)

Quant Time: Sep 01 01:50:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 01:59:05 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 6572     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 7681     | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 5412     | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 1279     | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 2767     | 43.94 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.88% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 2069     | 42.01 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 84.02% |      |
| 50) Toluene-d8            | 8.71   | 98  | 8569     | 48.67 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.34% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 1904     | 24.65 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 49.30% |      |

## Target Compounds

|                              |      |     |     |        |        | Qvalue |
|------------------------------|------|-----|-----|--------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.19 | 85  | 153 | 3.857  | ug/l # | 42     |
| 3) Chloromethane             | 1.30 | 50  | 289 | 6.285  | ug/l # | 42     |
| 4) Vinyl Chloride            | 1.41 | 62  | 62  | 1.412  | ug/l   | 99     |
| 5) Bromomethane              | 1.66 | 94  | 299 | 9.842  | ug/l # | 74     |
| 6) Chloroethane              | 1.74 | 64  | 201 | 7.355  | ug/l # | 43     |
| 8) Diethyl Ether             | 2.29 | 74  | 43  | 1.641  | ug/l   | 64     |
| 10) Methyl Iodide            | 2.51 | 142 | 368 | 9.960  | ug/l # | 73     |
| 11) Tert butyl alcohol       | 3.03 | 59  | 53  | 8.749  | ug/l # | 1      |
| 12) 1,1-Dichloroethene       | 2.35 | 96  | 132 | 2.860  | ug/l # | 1      |
| 13) Acrolein                 | 2.28 | 56  | 158 | 52.403 | ug/l # | 76     |
| 14) Allyl chloride           | 2.72 | 41  | 118 | 1.363  | ug/l # | 2      |
| 15) Acrylonitrile            | 3.15 | 53  | 80  | 5.558  | ug/l # | 1      |
| 16) Acetone                  | 2.44 | 43  | 646 | 47.683 | ug/l   | 92     |
| 17) Carbon Disulfide         | 2.57 | 76  | 164 | 1.239  | ug/l # | 75     |
| 18) Methyl Acetate           | 2.76 | 43  | 131 | 3.493  | ug/l # | 53     |
| 20) Methylene Chloride       | 2.86 | 84  | 632 | 6.678  | ug/l # | 48     |
| 21) trans-1,2-Dichloroethene | 3.15 | 96  | 85  | 1.563  | ug/l # | 1      |
| 22) Diisopropyl ether        | 3.84 | 45  | 251 | 1.420  | ug/l # | 67     |
| 25) 2-Butanone               | 4.64 | 43  | 746 | 37.807 | ug/l # | 49     |
| 27) cis-1,2-Dichloroethene   | 4.59 | 96  | 99  | 1.546  | ug/l   | 81     |
| 28) Bromochloromethane       | 5.00 | 49  | 180 | 4.115  | ug/l # | 8      |
| 29) Tetrahydrofuran          | 5.12 | 42  | 353 | 28.662 | ug/l # | 68     |
| 30) Chloroform               | 5.20 | 83  | 229 | 2.197  | ug/l   | 97     |
| 31) Cyclohexane              | 5.58 | 56  | 143 | 1.819  | ug/l # | 51     |
| 36) 1,1-Dichloropropene      | 5.83 | 75  | 184 | 3.024  | ug/l # | 33     |
| 37) Ethyl Acetate            | 4.83 | 43  | 112 | 3.109  | ug/l # | 1      |
| 38) Carbon Tetrachloride     | 5.64 | 117 | 334 | 4.733  | ug/l # | 34     |
| 39) Methylcyclohexane        | 7.48 | 83  | 125 | 1.725  | ug/l # | 38     |
| 41) Methacrylonitrile        | 5.03 | 41  | 41  | 1.933  | ug/l # | 24     |
| 42) 1,2-Dichloroethane       | 6.18 | 62  | 77  | 1.247  | ug/l # | 74     |
| 43) Isopropyl Acetate        | 6.43 | 43  | 84  | 1.150  | ug/l # | 12     |
| 45) 1,2-Dichloropropane      | 7.53 | 63  | 51  | 1.073  | ug/l # | 43     |
| 48) Methyl methacrylate      | 7.77 | 41  | 130 | 3.659  | ug/l # | 14     |
| 49) 1,4-Dioxane              | 7.73 | 88  | 19  | 38.884 | ug/l # | 1      |

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 Operator : SY/SP  
 Sample : K4516-15  
 Misc : 5.82g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

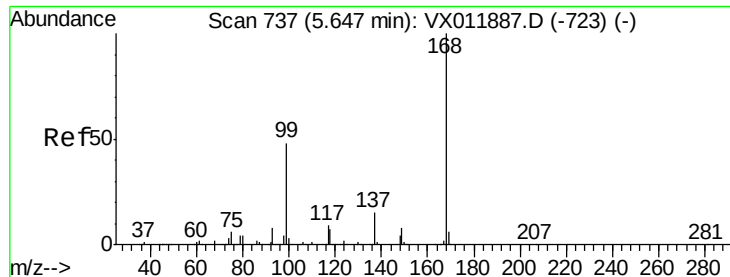
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T2-S-B4-(0)

Quant Time: Sep 01 01:50:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 01:59:05 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 51) 4-Methyl-2-Pentanone       | 8.40  | 43   | 150      | 4.043  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 64       | 1.550  | ug/l # | 37       |
| 56) Ethyl methacrylate         | 9.15  | 69   | 132      | 2.304  | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 69       | 2.529  | ug/l # | 44       |
| 59) 2-Hexanone                 | 9.40  | 43   | 327      | 12.408 | ug/l   | 94       |
| 67) Ethyl Benzene              | 10.25 | 91   | 384      | 2.153  | ug/l # | 42       |
| 68) m/p-Xylenes                | 10.37 | 106  | 69       | 1.002  | ug/l # | 1        |
| 74) N-amyl acetate             | 10.87 | 43   | 205      | 9.400  | ug/l # | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 158      | 10.505 | ug/l # | 39       |
| 76) 1,2,3-Trichloropropane     | 11.31 | 75   | 48       | 3.815  | ug/l # | 1        |
| 77) Bromobenzene               | 11.25 | 156  | 25       | 1.173  | ug/l # | 1        |
| 78) n-propylbenzene            | 11.37 | 91   | 215      | 2.580  | ug/l   | 89       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 90       | 1.794  | ug/l # | 39       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 140      | 2.207  | ug/l   | 73       |
| 81) trans-1,4-Dichloro-2-buten | 11.02 | 75   | 106      | 21.165 | ug/l # | 53       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 226      | 3.735  | ug/l # | 43       |
| 83) tert-Butylbenzene          | 11.78 | 119  | 125      | 1.942  | ug/l # | 25       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 133      | 2.046  | ug/l # | 30       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 129      | 1.726  | ug/l   | 85       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 122      | 1.683  | ug/l # | 1        |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 55       | 1.388  | ug/l # | 4        |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 102      | 2.547  | ug/l # | 40       |
| 89) n-Butylbenzene             | 12.38 | 91   | 235      | 3.664  | ug/l # | 55       |
| 90) Hexachloroethane           | 12.59 | 117  | 45       | 3.209  | ug/l # | 1        |
| 92) 1,2-Dibromo-3-Chloropropan | 12.95 | 75   | 26       | 8.678  | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 53       | 1.709  | ug/l # | 12       |
| 95) Naphthalene                | 13.82 | 128  | 181      | 3.401  | ug/l # | 69       |
| -----                          |       |      |          |        |        |          |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampleId :

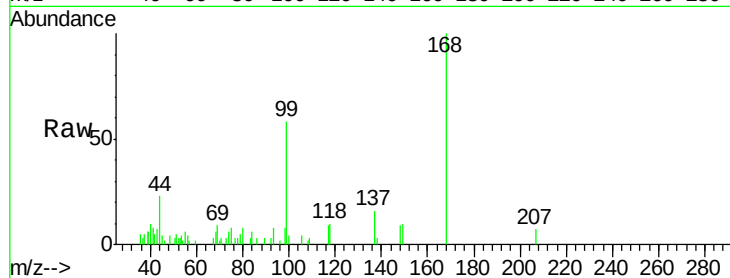
T2-S-B4-(0)

Tot Ion:168 Resp: 6572

Ion Ratio Lower Upper

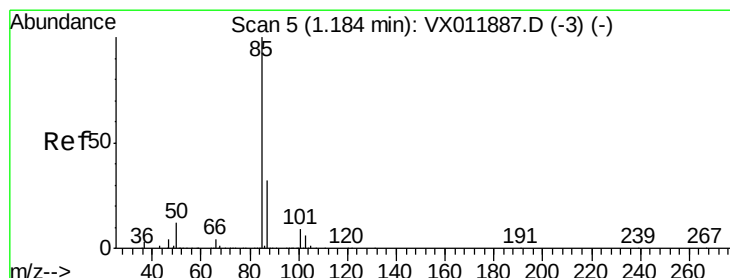
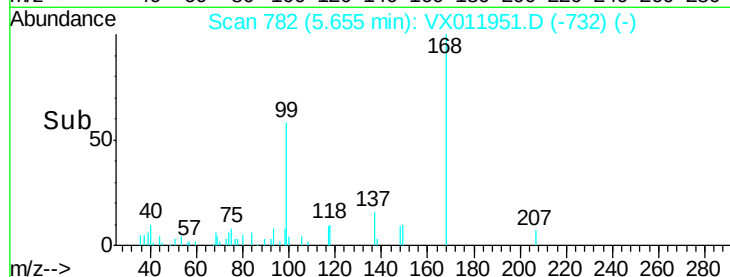
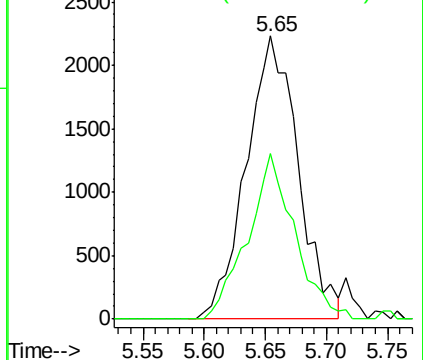
168 100

99 58.4 38.4 57.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 3.857 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX011951.D

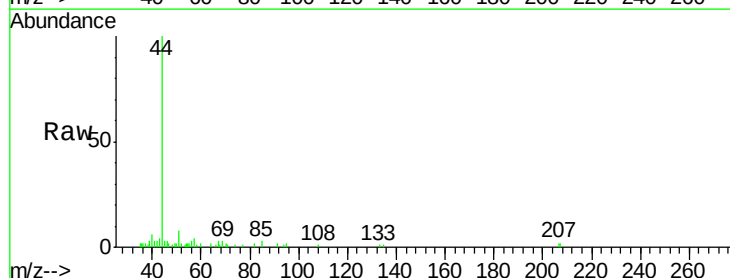
Acq: 31 Aug 2019 15:23

Tgt Ion: 85 Resp: 153

Ion Ratio Lower Upper

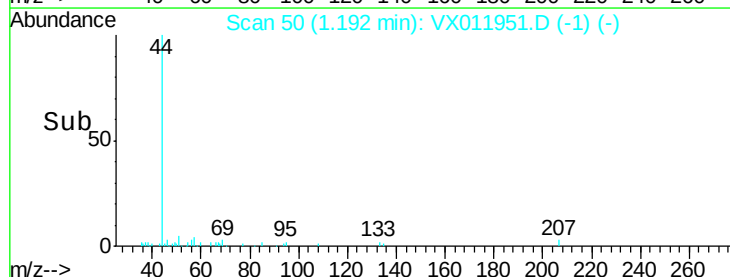
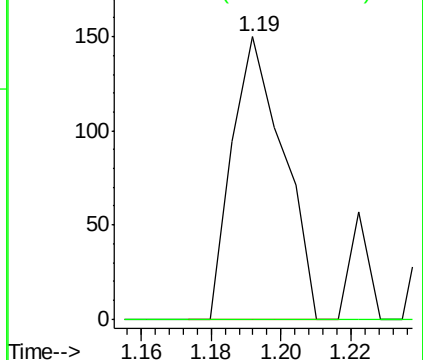
85 100

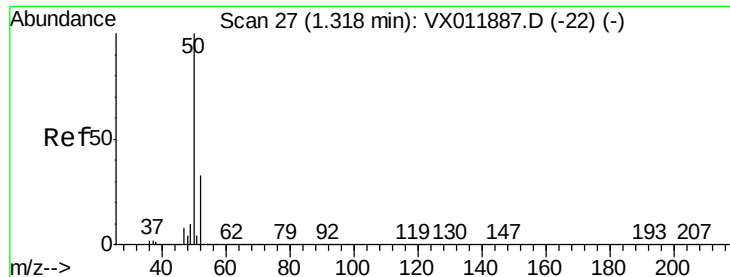
87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 6.285 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.02 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampleId :

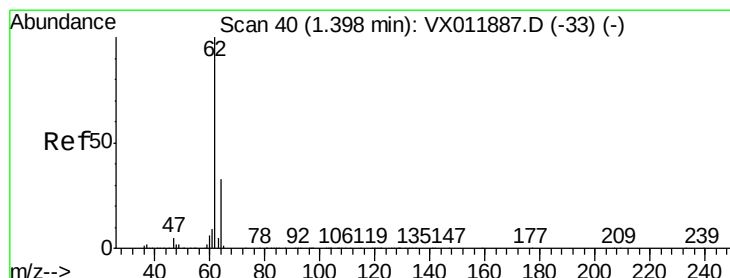
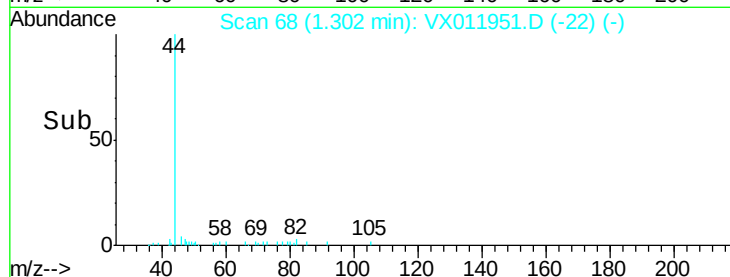
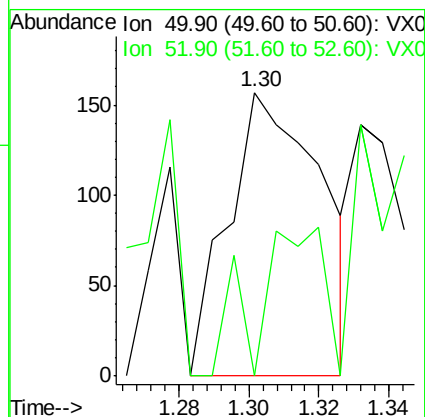
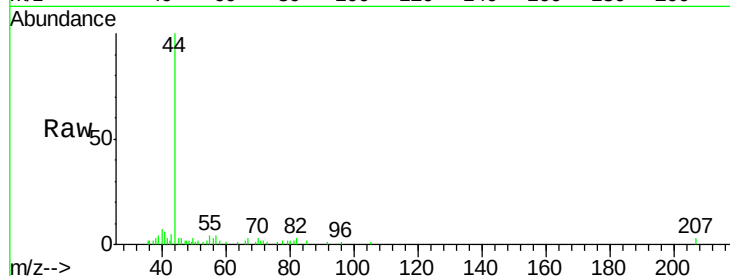
T2-S-B4-(0)

Tot Ion: 50 Resp: 289

Ion Ratio Lower Upper

50 100

52 0.0 26.0 39.0#



#4

Vinyl Chloride

Concen: 1.412 ug/l

RT: 1.41 min Scan# 86

Delta R.T. 0.01 min

Lab File: VX011951.D

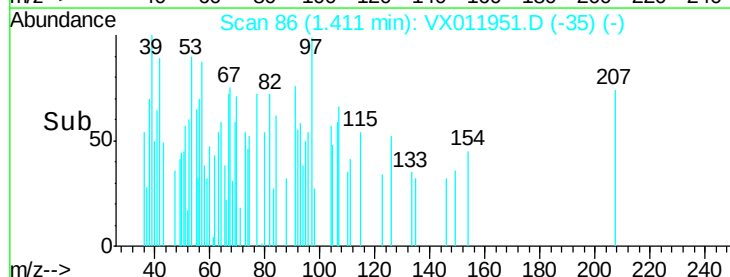
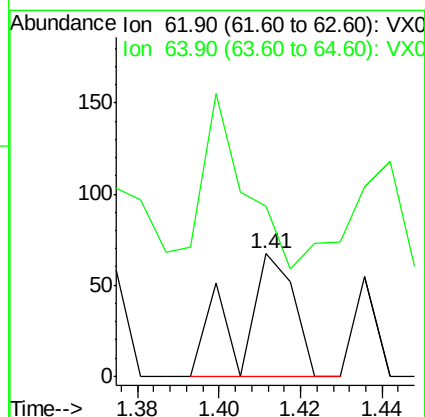
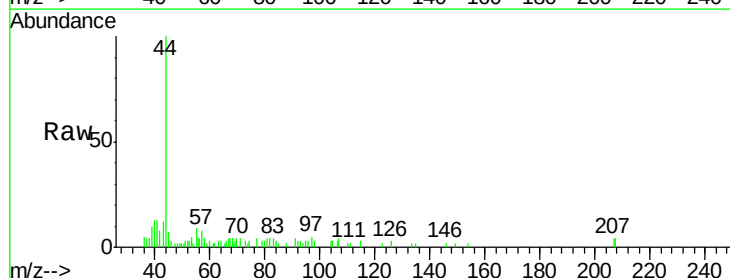
Acq: 31 Aug 2019 15:23

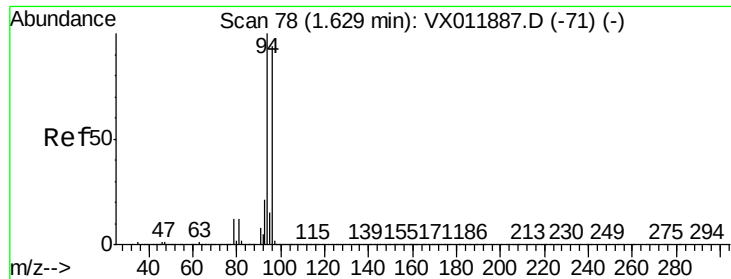
Tgt Ion: 62 Resp: 62

Ion Ratio Lower Upper

62 100

64 32.8 26.0 39.0





#5

Bromomethane

Concen: 9.842 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.03 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

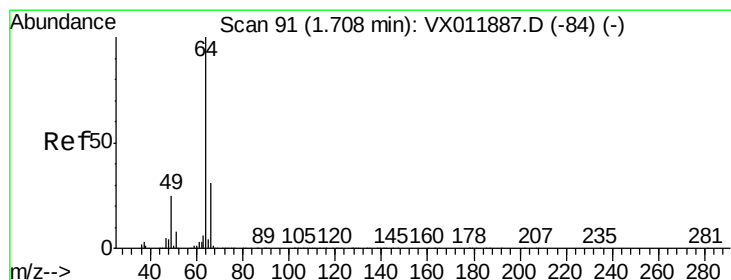
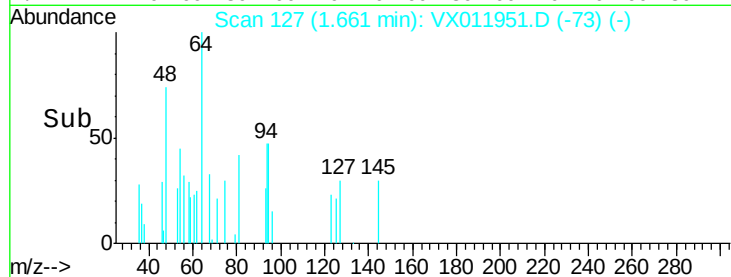
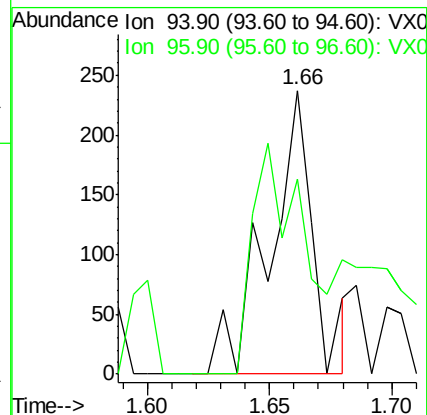
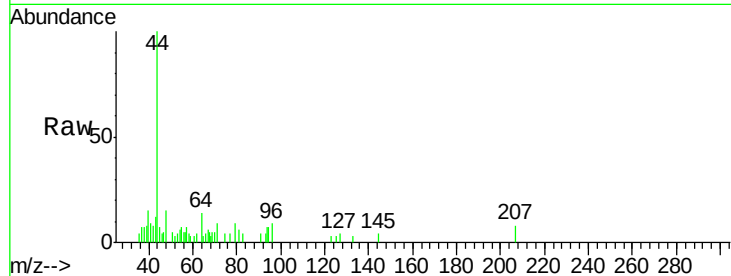
T2-S-B4-(0)

Tot Ion: 94 Resp: 299

Ion Ratio Lower Upper

94 100

96 68.8 75.0 112.6#



#6

Chloroethane

Concen: 7.355 ug/l

RT: 1.74 min Scan# 140

Delta R.T. 0.03 min

Lab File: VX011951.D

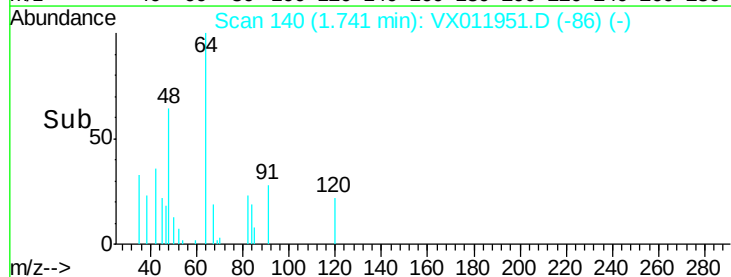
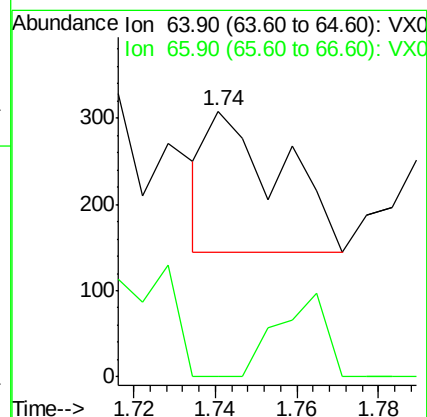
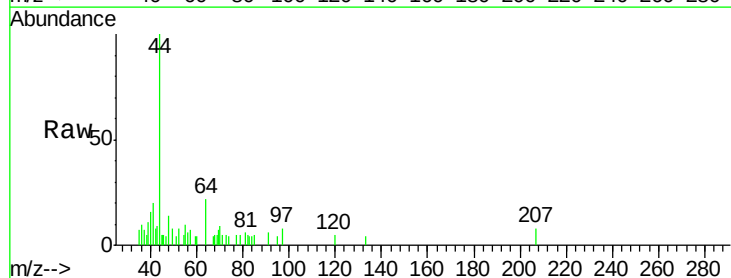
Acq: 31 Aug 2019 15:23

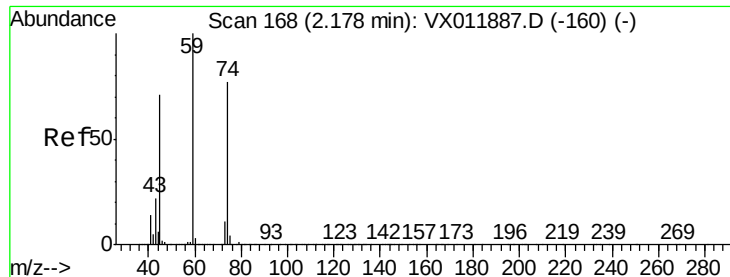
Tgt Ion: 64 Resp: 201

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#





#8

Diethyl Ether

Concen: 1.641 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.11 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampleId :

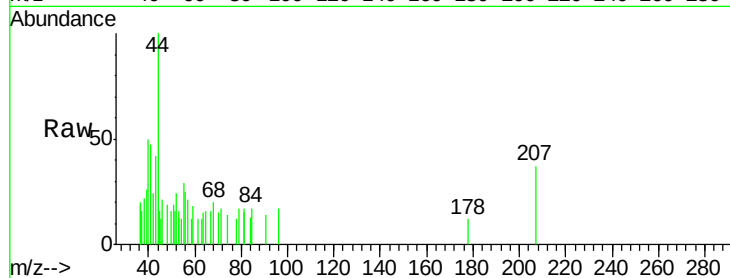
T2-S-B4-(0)

Tot Ion: 74 Resp: 43

Ion Ratio Lower Upper

74 100

45 127.9 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

150

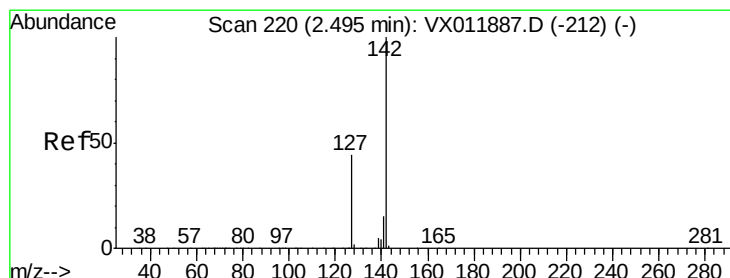
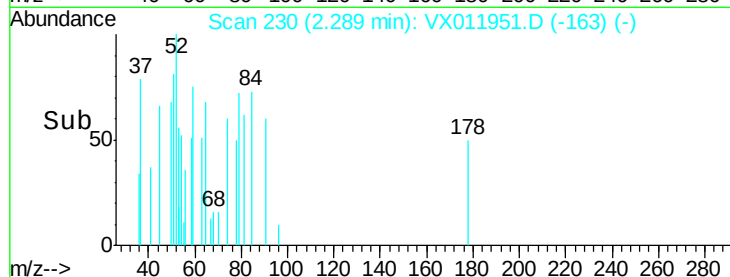
100

50

0

2.27 2.28 2.29 2.30 2.31

Time-->



#10

Methyl Iodide

Concen: 9.960 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

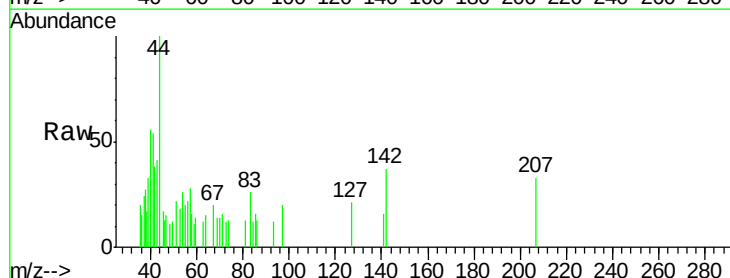
Tgt Ion: 142 Resp: 368

Ion Ratio Lower Upper

142 100

127 67.1 35.7 53.5#

141 12.5 11.8 17.6



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

200

150

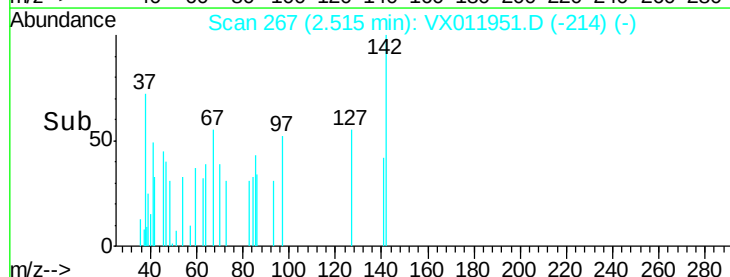
100

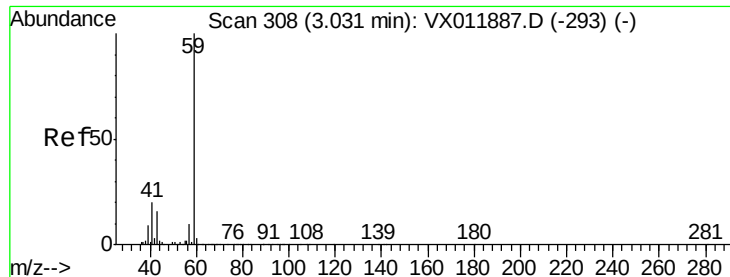
50

0

2.50 2.51 2.52 2.53 2.54 2.55

Time-->



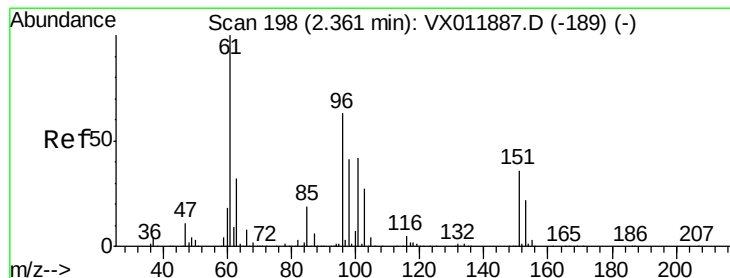
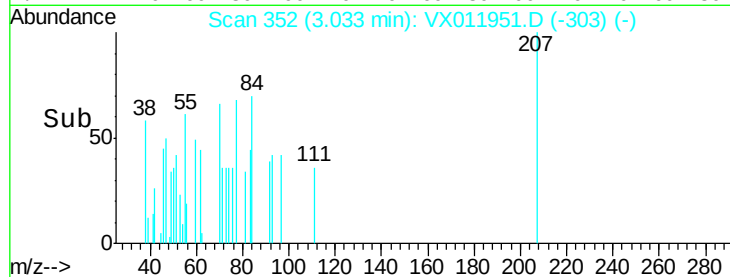
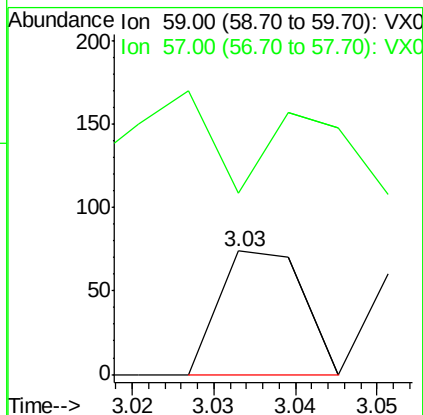
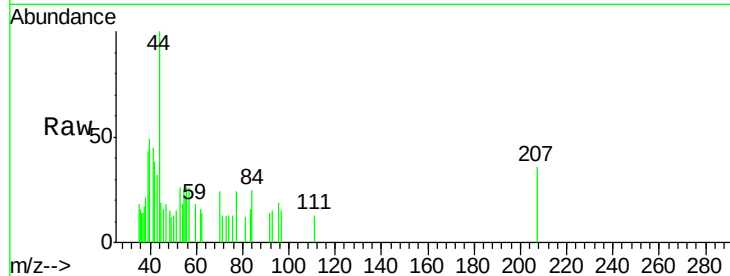


#11

Tert butyl alcohol  
Concen: 8.749 ug/l  
RT: 3.03 min Scan# 352  
Delta R.T. 0.00 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

Instrument :  
MSVOA\_X  
ClientSampled :  
T2-S-B4-(0)

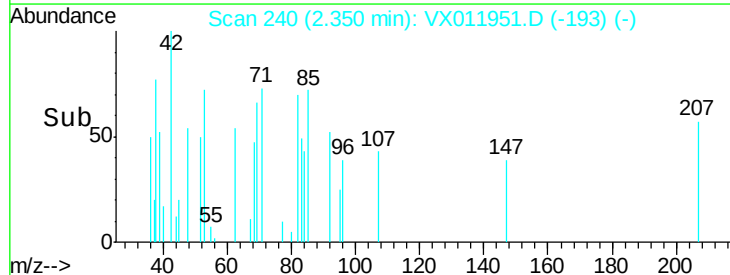
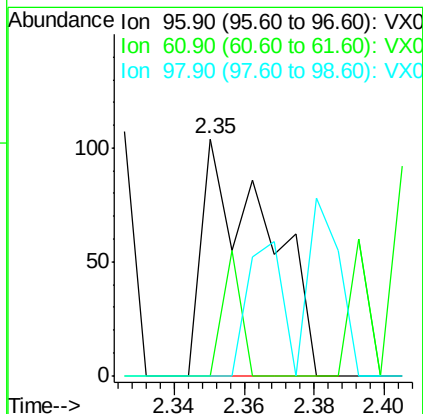
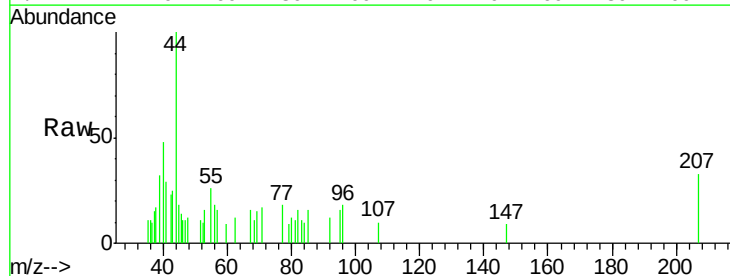
Tot Ion: 59 Resp: 53  
Ion Ratio Lower Upper  
59 100  
57 145.3 8.6 12.8#



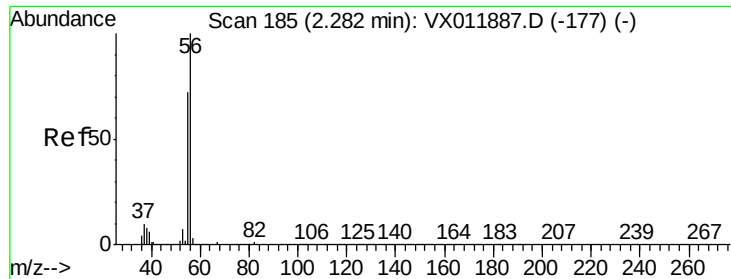
#12

1,1-Dichloroethene  
Concen: 2.860 ug/l  
RT: 2.35 min Scan# 240  
Delta R.T. -0.01 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

Tgt Ion: 96 Resp: 132  
Ion Ratio Lower Upper  
96 100  
61 0.0 126.6 190.0#  
98 0.0 51.6 77.4#







#13

Acrolein

Concen: 52.403 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

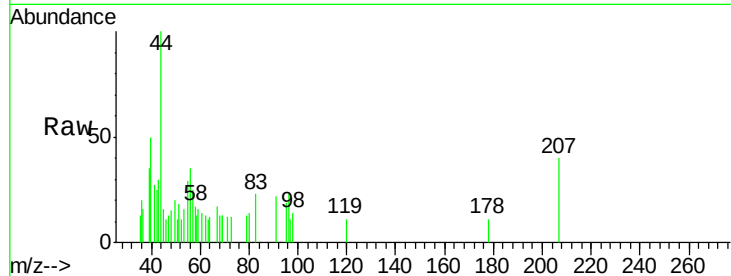
T2-S-B4-(0)

Tot Ion: 56 Resp: 158

Ion Ratio Lower Upper

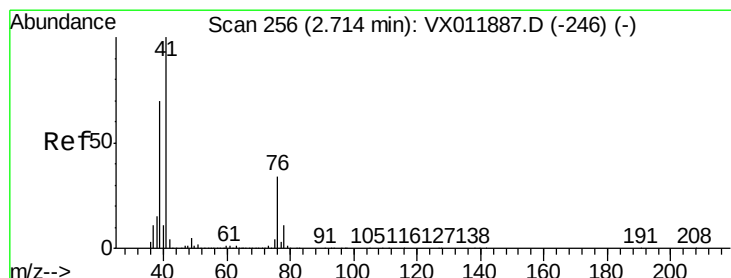
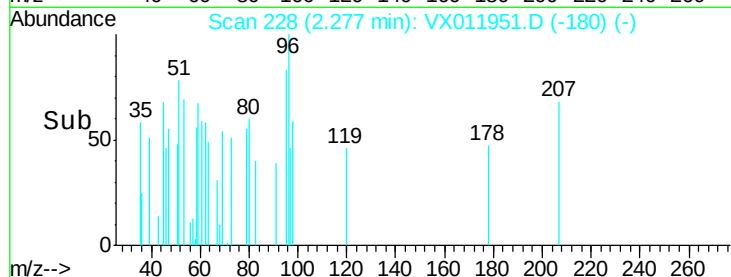
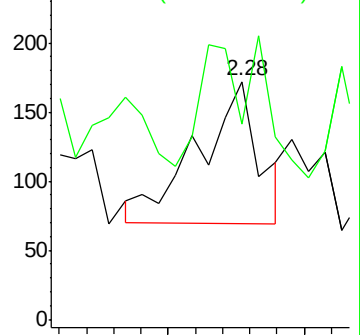
56 100

55 93.7 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.363 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

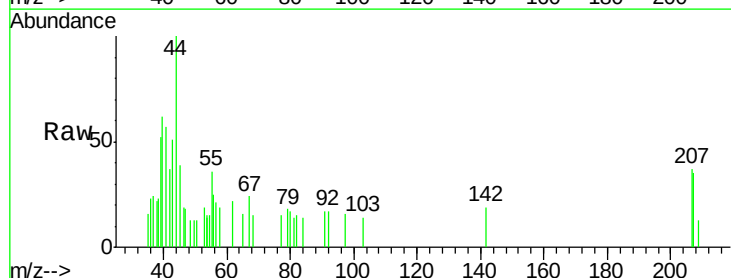
Tgt Ion: 41 Resp: 118

Ion Ratio Lower Upper

41 100

39 164.4 55.0 82.6#

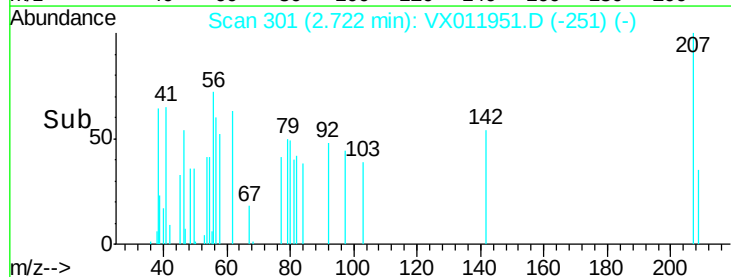
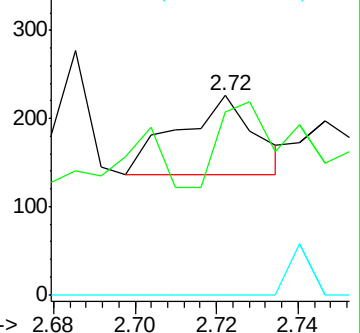
76 0.0 27.0 40.4#

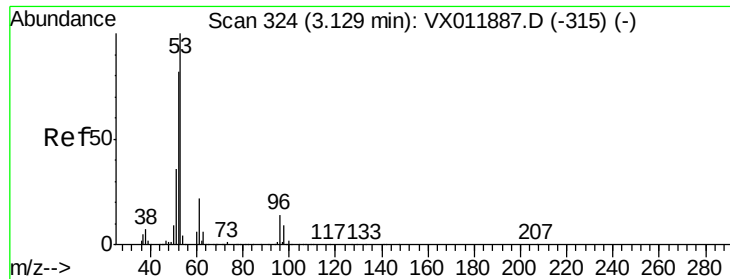


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 5.558 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.03 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

T2-S-B4-(0)

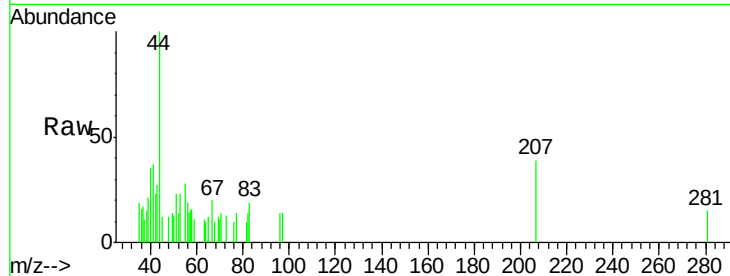
Tot Ion: 53 Resp: 80

Ion Ratio Lower Upper

53 100

52 276.3 65.3 97.9#

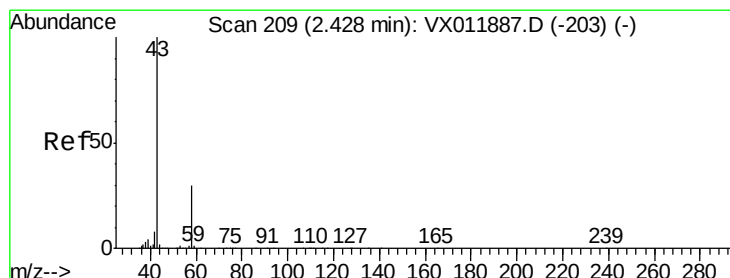
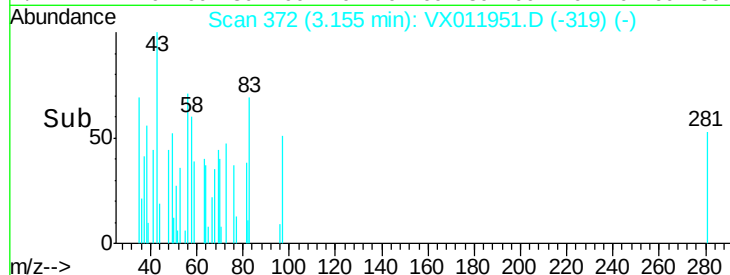
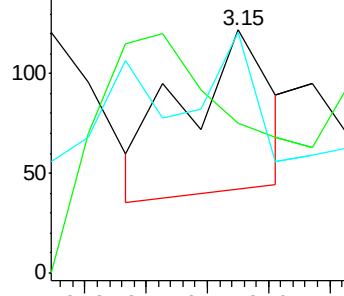
51 38.8 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 47.683 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX011951.D

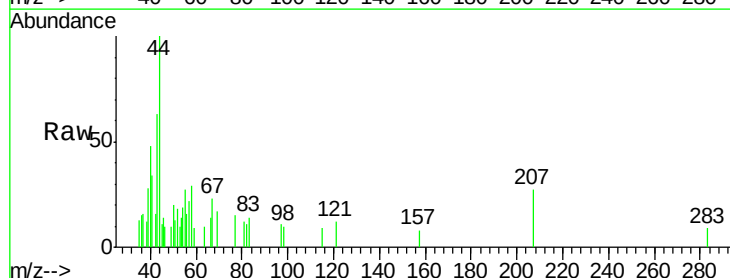
Acq: 31 Aug 2019 15:23

Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

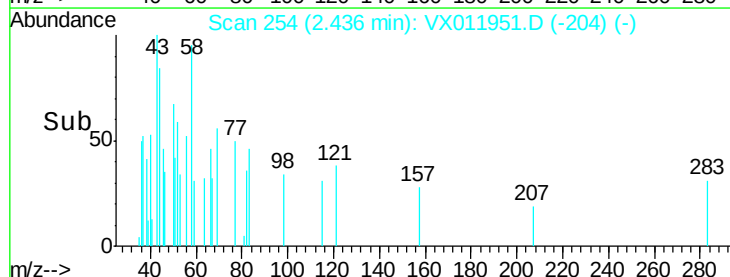
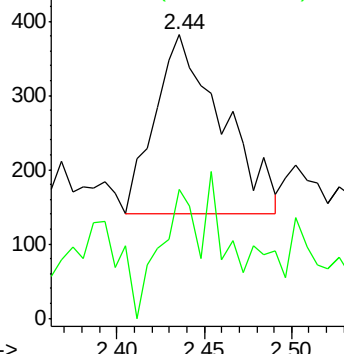
43 100

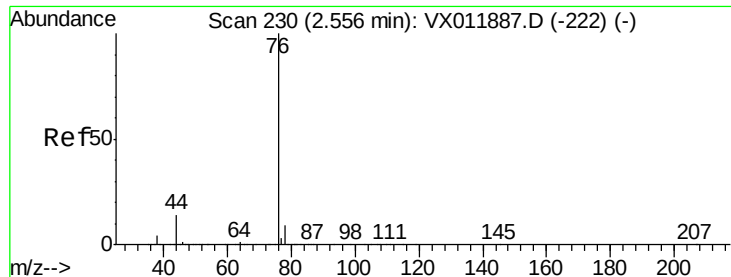
58 34.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.239 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

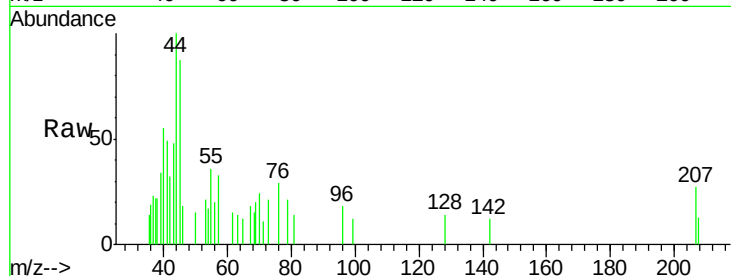
T2-S-B4-(0)

Tot Ion: 76 Resp: 164

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

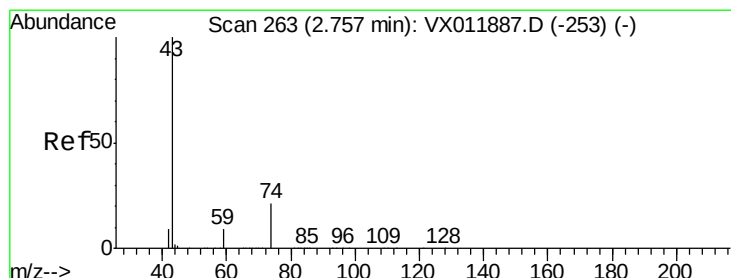
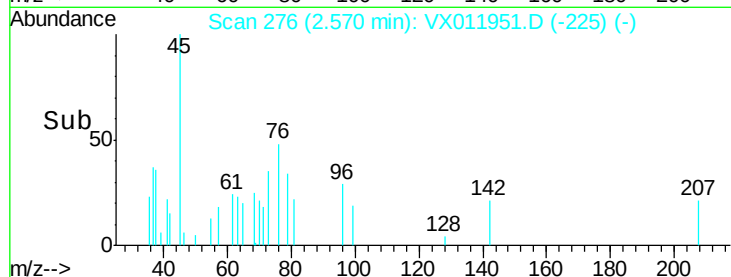
150

100

50

0

Time-->



#18

Methyl Acetate

Concen: 3.493 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX011951.D

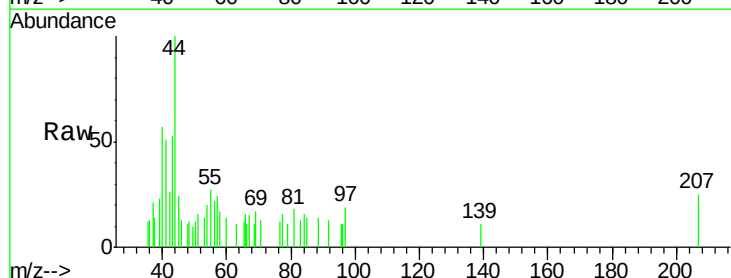
Acq: 31 Aug 2019 15:23

Tgt Ion: 43 Resp: 131

Ion Ratio Lower Upper

43 100

74 0.0 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

300

250

200

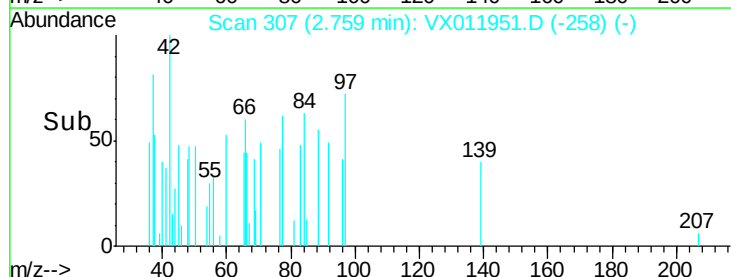
150

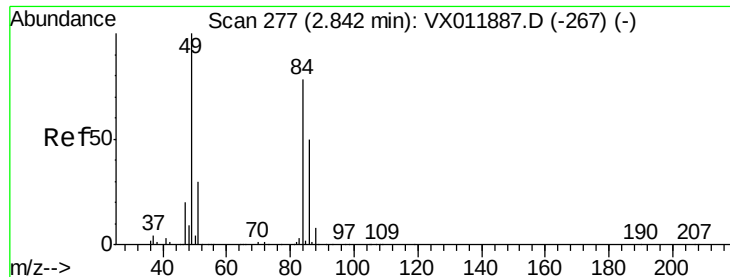
100

50

0

Time-->

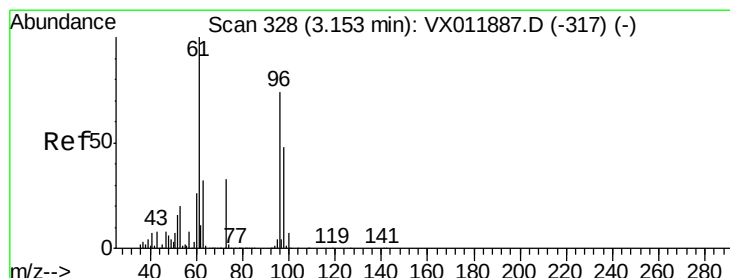
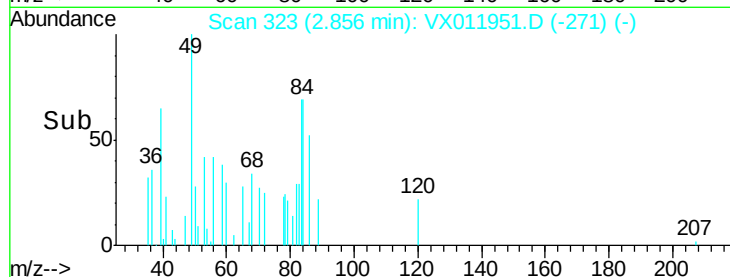
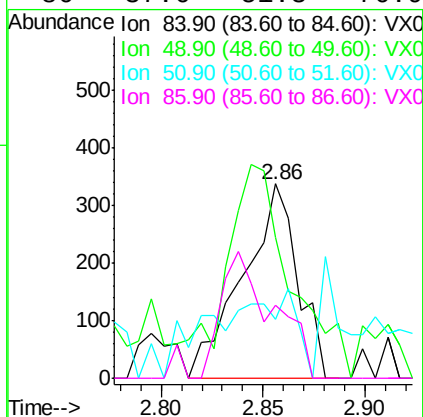
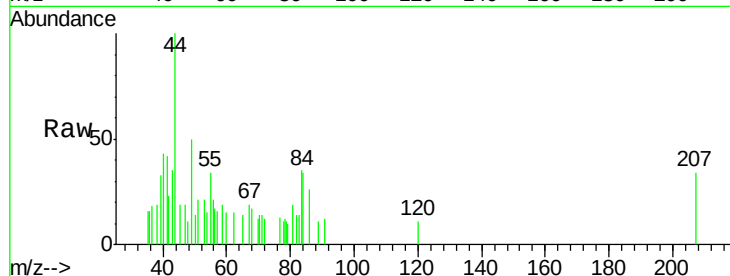




#20  
Methylene Chloride  
Concen: 6.678 ug/l  
RT: 2.86 min Scan# 323  
Delta R.T. 0.01 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

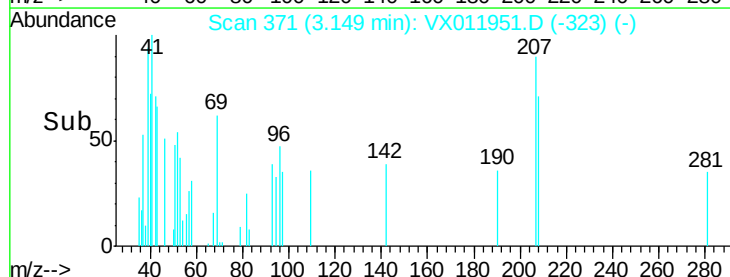
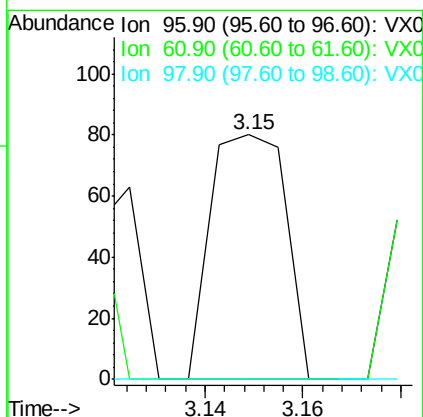
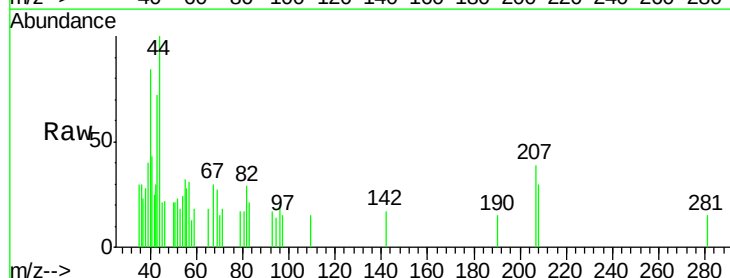
Instrument :  
MSVOA\_X  
ClientSampled :  
T2-S-B4-(0)

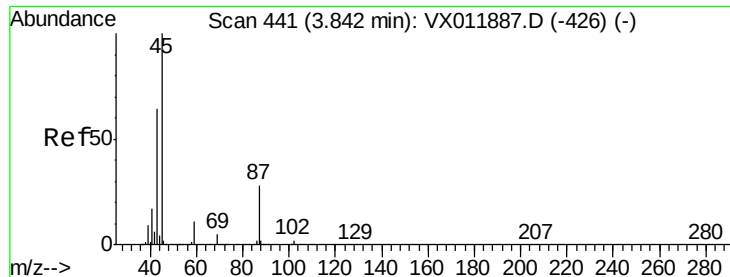
Tot Ion: 84 Resp: 632  
Ion Ratio Lower Upper  
84 100  
49 53.0 103.0 154.4#  
51 14.8 30.8 46.2#  
86 37.6 51.3 76.9#



#21  
trans-1,2-Dichloroethene  
Concen: 1.563 ug/l  
RT: 3.15 min Scan# 371  
Delta R.T. -0.00 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

Tgt Ion: 96 Resp: 85  
Ion Ratio Lower Upper  
96 100  
61 0.0 107.4 161.2#  
98 0.0 51.4 77.2#





#22

Diisopropyl ether

Concen: 1.420 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampleId :

T2-S-B4-(0)

Tot Ion: 45 Resp: 251

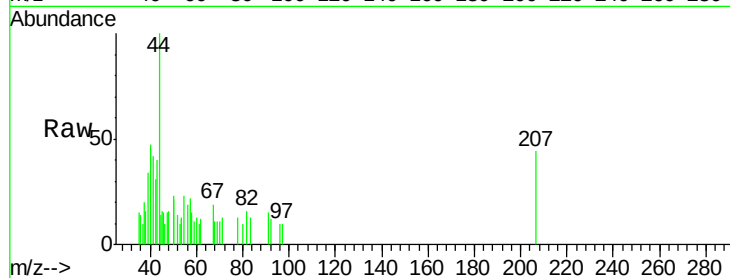
Ion Ratio Lower Upper

45 100

43 43.9 51.0 76.6#

87 0.0 22.0 33.0#

59 0.4 9.1 13.7#

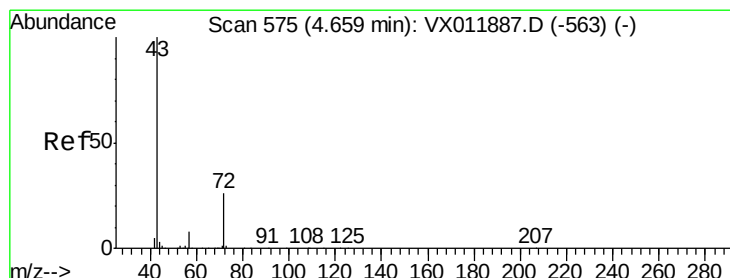
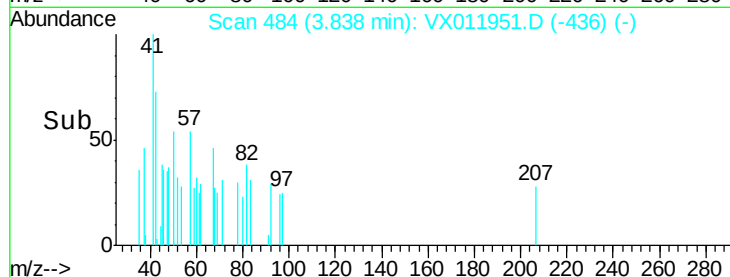
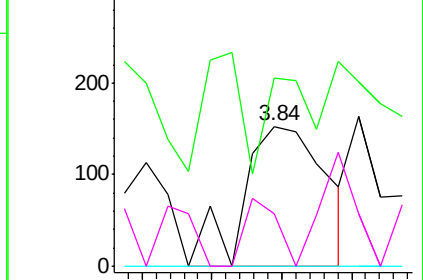


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#25

2-Butanone

Concen: 37.807 ug/l

RT: 4.64 min Scan# 616

Delta R.T. -0.02 min

Lab File: VX011951.D

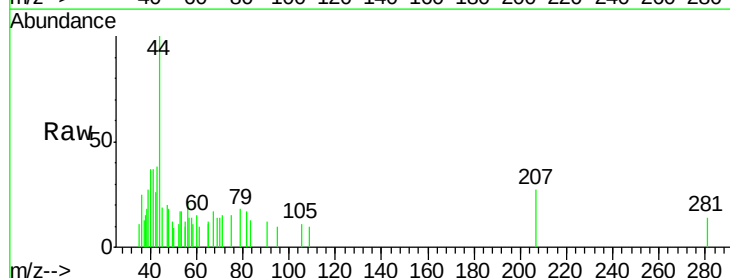
Acq: 31 Aug 2019 15:23

Tgt Ion: 43 Resp: 746

Ion Ratio Lower Upper

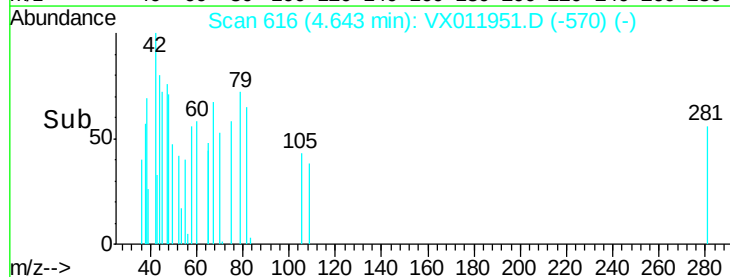
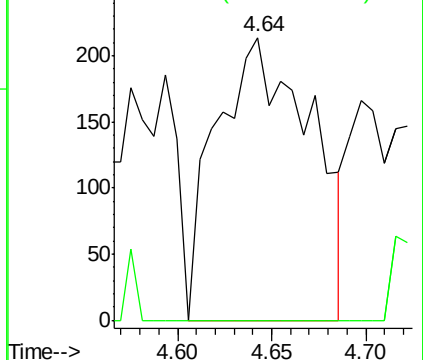
43 100

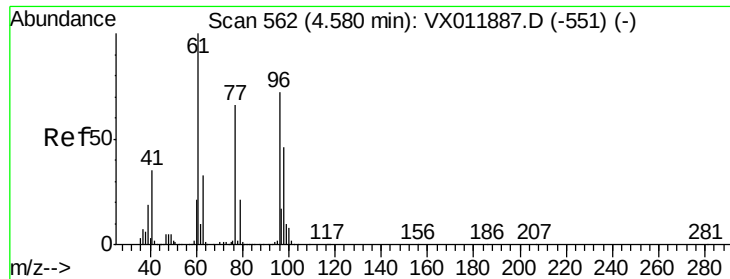
72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



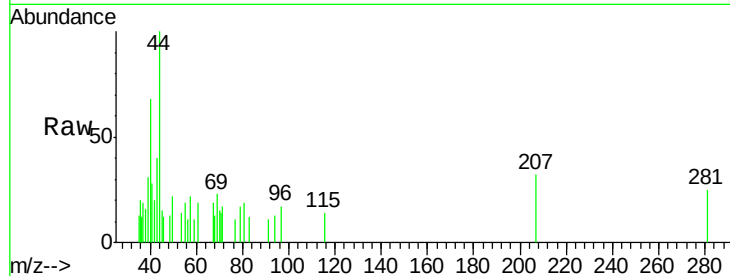


#27

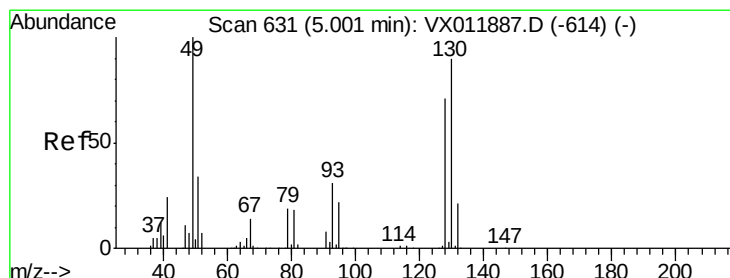
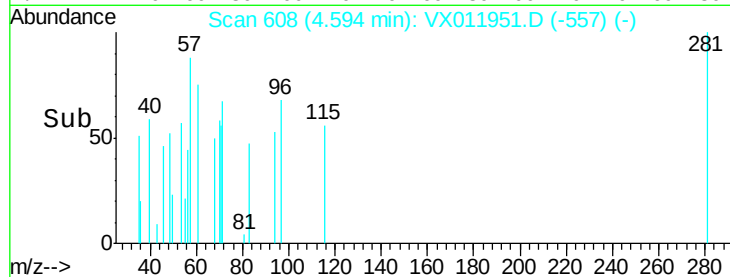
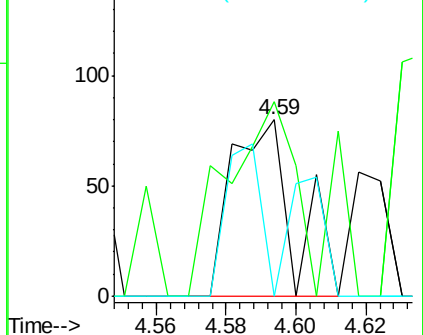
cis-1,2-Dichloroethene  
Concen: 1.546 ug/l  
RT: 4.59 min Scan# 608  
Delta R.T. 0.01 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

Instrument :  
MSVOA\_X  
ClientSampled :  
T2-S-B4-(0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 120.2 | 0.0   | 283.8 |
| 98      | 49.5  | 0.0   | 131.2 |



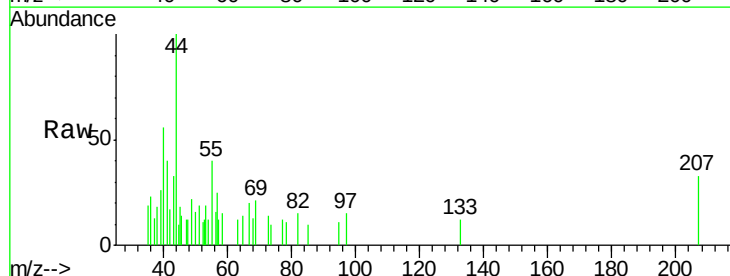
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



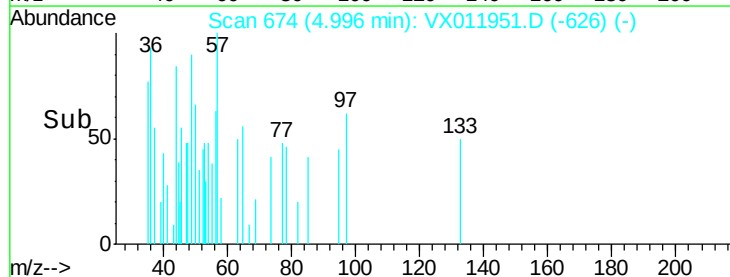
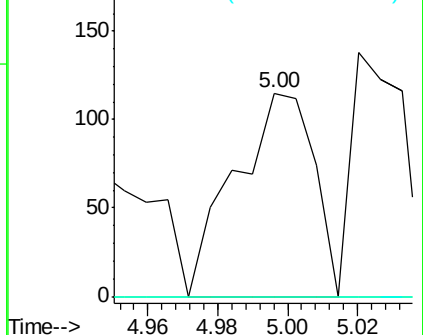
#28

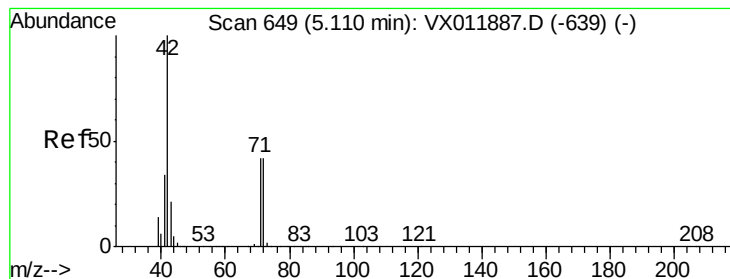
Bromochloromethane  
Concen: 4.115 ug/l  
RT: 5.00 min Scan# 674  
Delta R.T. -0.00 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 49      | 100   |       |        |
| 129     | 0.0   | 0.0   | 4.8    |
| 130     | 0.0   | 70.6  | 105.8# |



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





#29

Tetrahydrofuran

Concen: 28.662 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

T2-S-B4-(0)

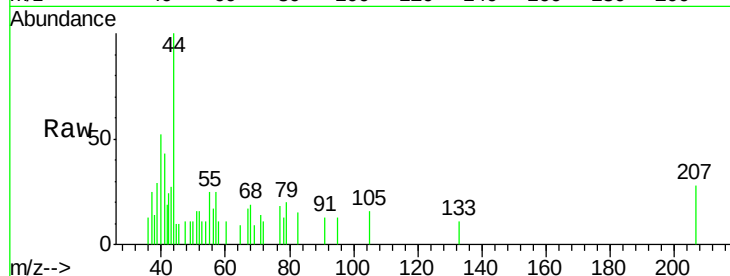
Tot Ion: 42 Resp: 353

Ion Ratio Lower Upper

42 100

72 18.7 36.2 54.4#

71 27.5 33.1 49.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

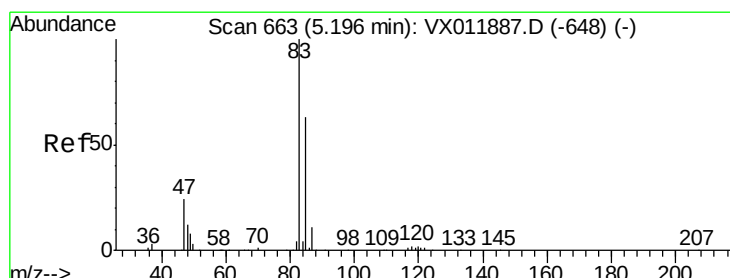
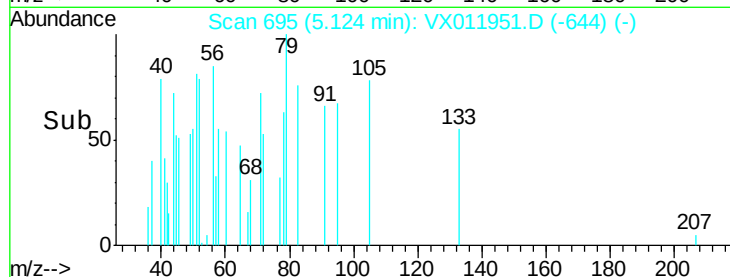
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

Time-->

5.12

5.10 5.15 5.20



#30

Chloroform

Concen: 2.197 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX011951.D

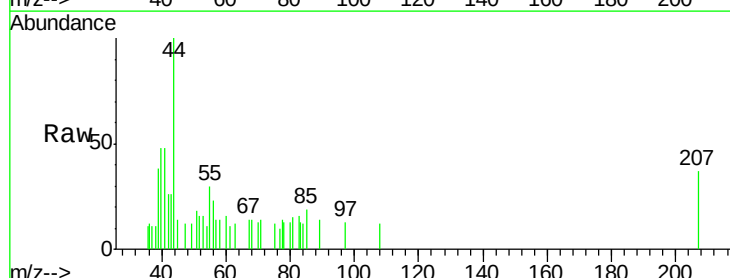
Acq: 31 Aug 2019 15:23

Tgt Ion: 83 Resp: 229

Ion Ratio Lower Upper

83 100

85 65.5 50.6 75.8



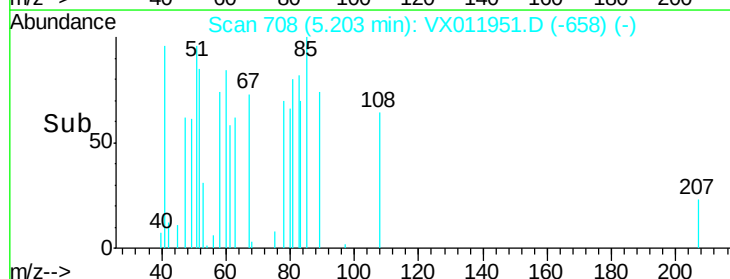
Abundance Ion 82.90 (82.60 to 83.60): VX0

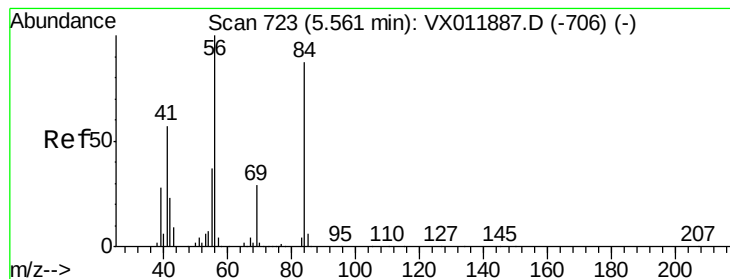
Ion 84.90 (84.60 to 85.60): VX0

Time-->

5.20

5.18 5.22 5.24





#31

Cyclohexane

Concen: 1.819 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampleId :

T2-S-B4-(0)

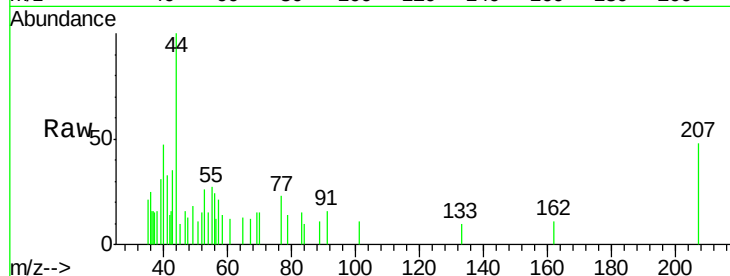
Tot Ion: 56 Resp: 143

Ion Ratio Lower Upper

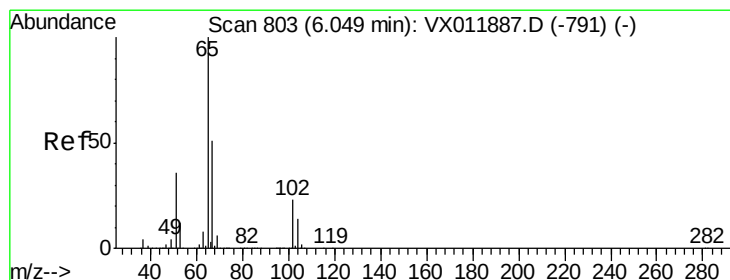
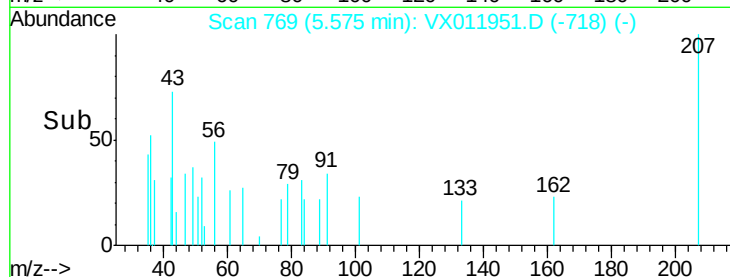
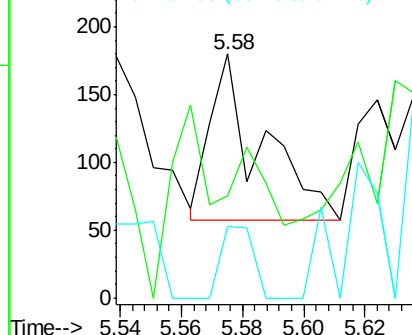
56 100

69 0.0 23.1 34.7#

84 43.1 69.6 104.4#



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: 43.944 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX011951.D

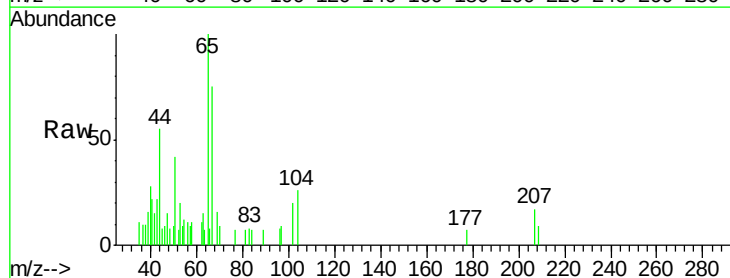
Acq: 31 Aug 2019 15:23

Tgt Ion: 65 Resp: 2767

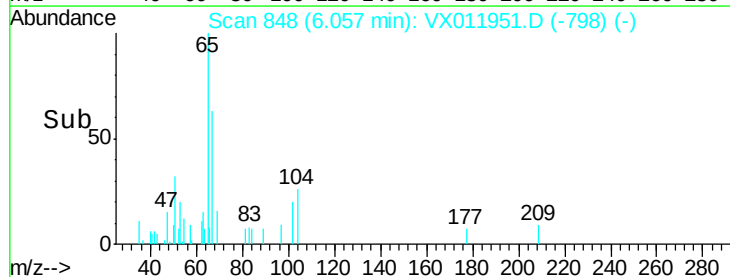
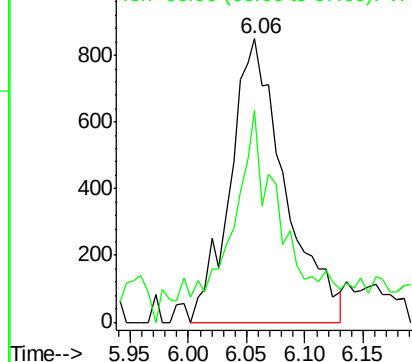
Ion Ratio Lower Upper

65 100

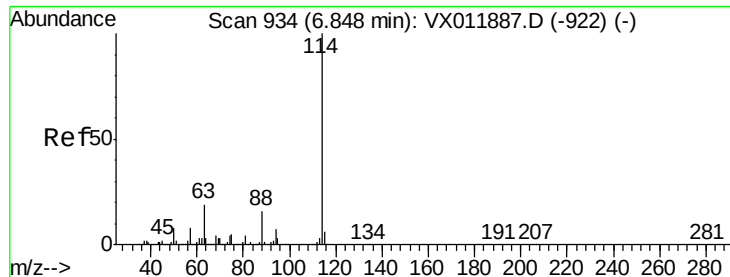
67 43.6 0.0 102.2



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



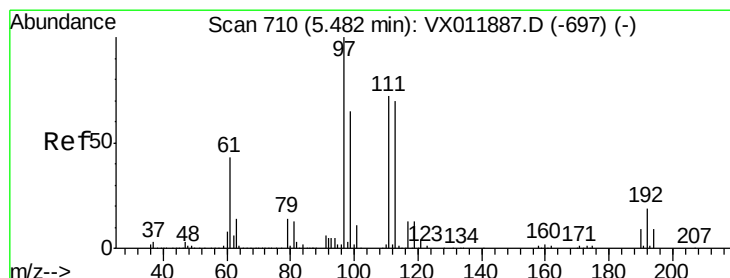
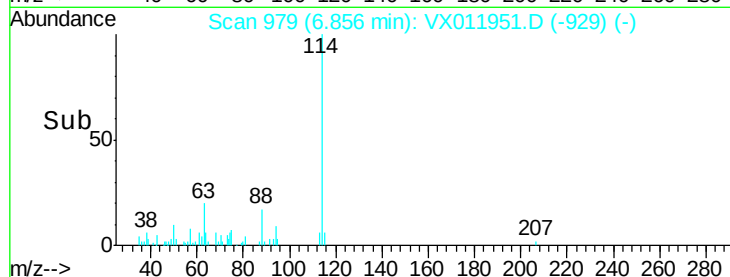
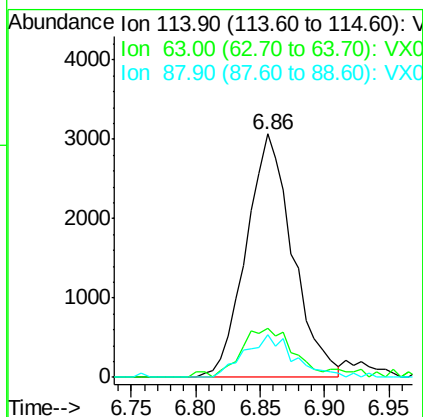
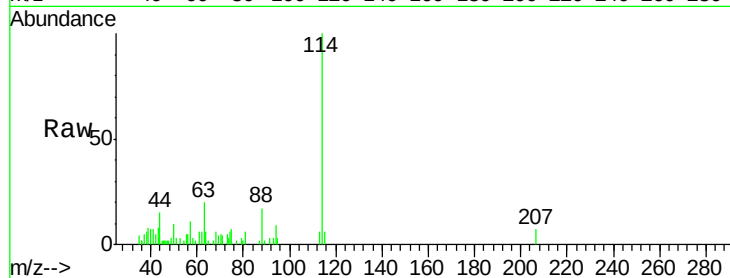




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 979  
 Delta R.T. 0.01 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

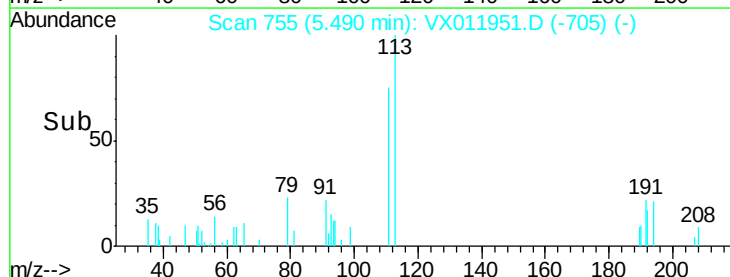
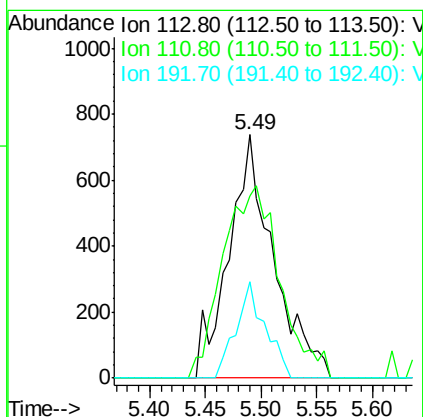
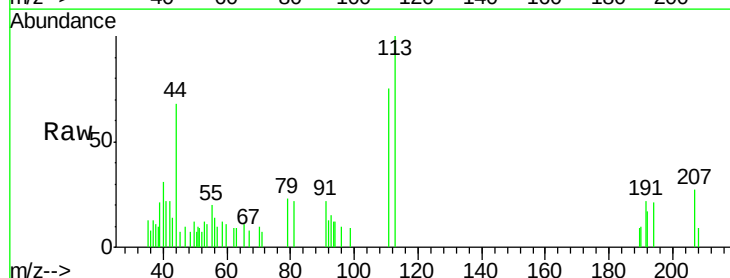
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T2-S-B4-(0)

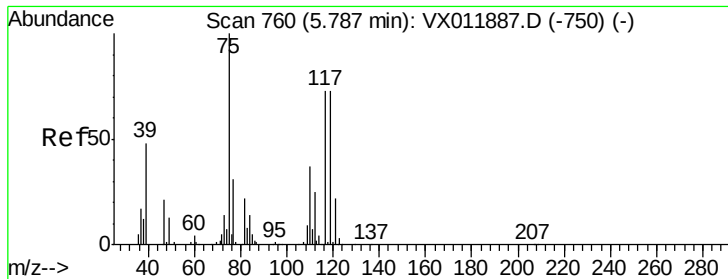
Tot Ion:114 Resp: 7681  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 38.8  
 88 17.4 0.0 31.2



#35  
 Dibromofluoromethane  
 Concen: 42.007 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.01 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

Tgt Ion:113 Resp: 2069  
 Ion Ratio Lower Upper  
 113 100  
 111 100.5 82.1 123.1  
 192 25.8 21.5 32.3

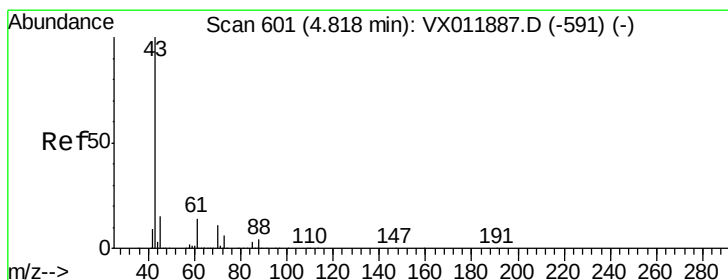
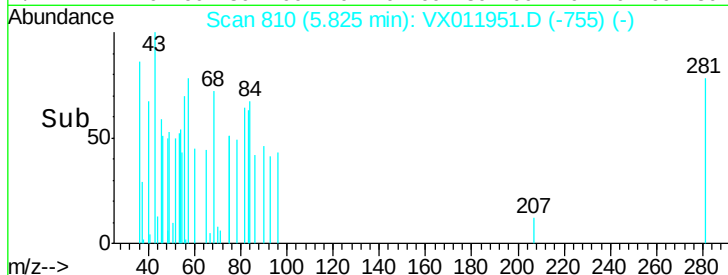
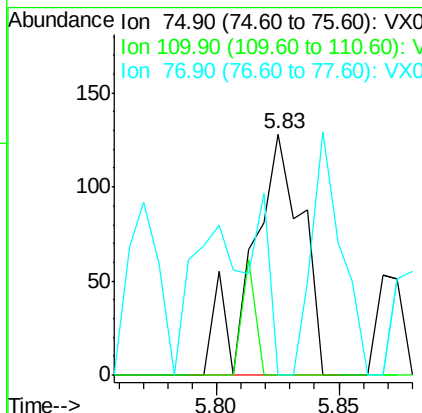
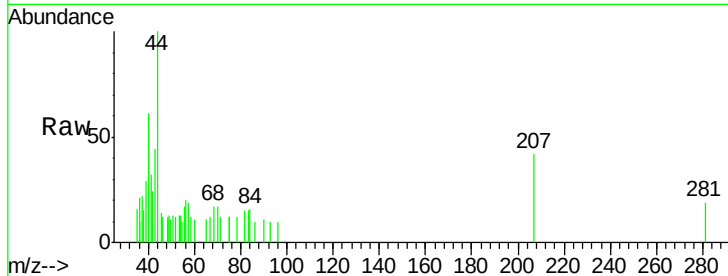




#36  
 1,1-Dichloropropene  
 Concen: 3.024 ug/l  
 RT: 5.83 min Scan# 810  
 Delta R.T. 0.04 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

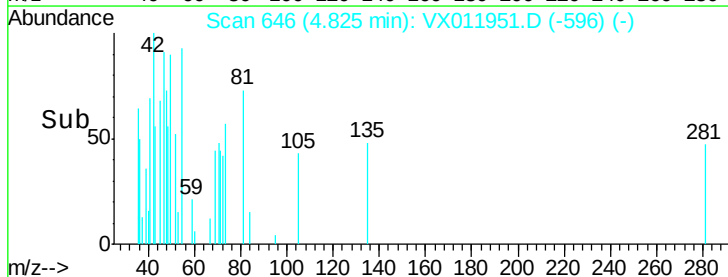
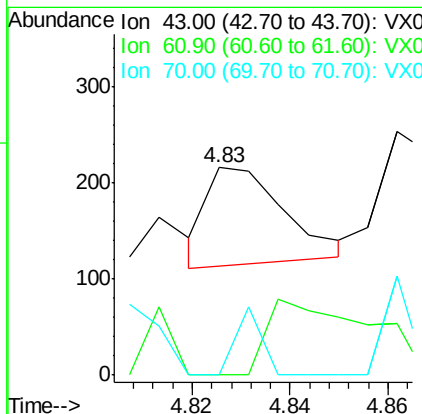
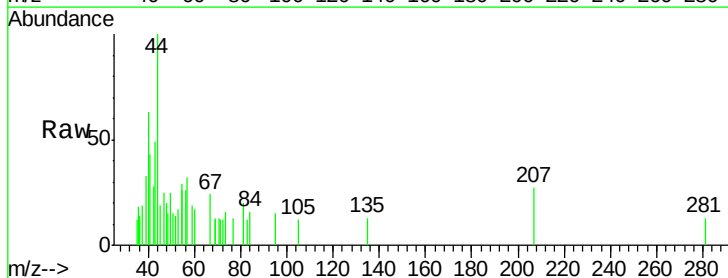
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 T2-S-B4-(0)

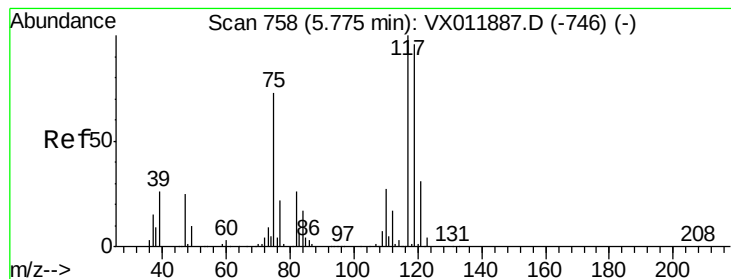
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 12.0  | 19.1  | 57.3# |
| 77      | 83.2  | 24.4  | 36.6# |



#37  
 Ethyl Acetate  
 Concen: 3.109 ug/l  
 RT: 4.83 min Scan# 646  
 Delta R.T. 0.01 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 100.9 | 11.0  | 16.4# |
| 70      | 23.2  | 9.2   | 13.8# |





#38

Carbon Tetrachloride

Concen: 4.733 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

T2-S-B4-(0)

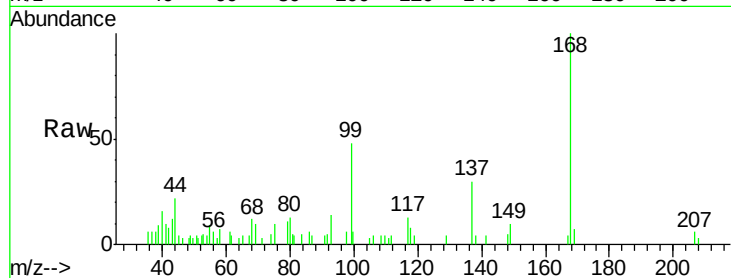
Tot Ion:117 Resp: 334

Ion Ratio Lower Upper

117 100

119 28.9 76.6 114.8#

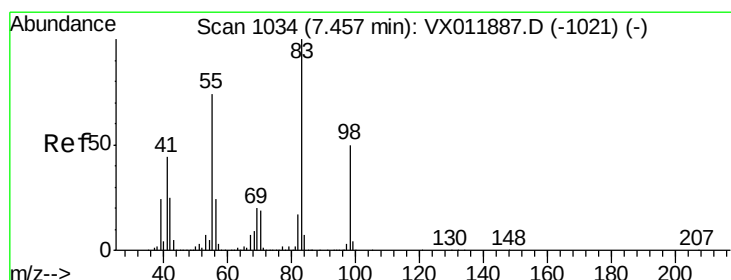
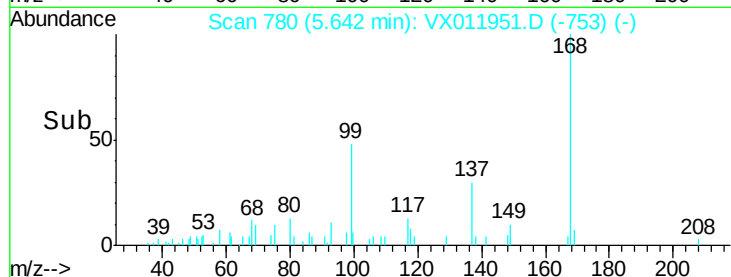
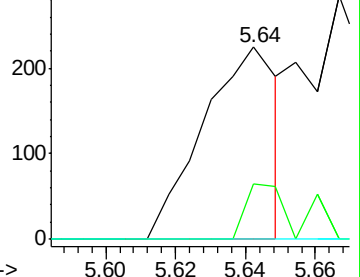
121 0.0 24.7 37.1#



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: 1.725 ug/l

RT: 7.48 min Scan# 1081

Delta R.T. 0.02 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

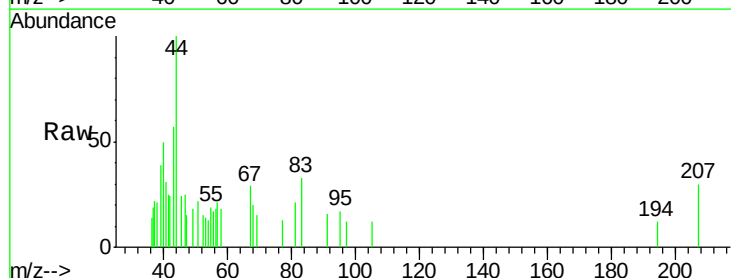
Tgt Ion: 83 Resp: 125

Ion Ratio Lower Upper

83 100

55 27.4 59.4 89.0#

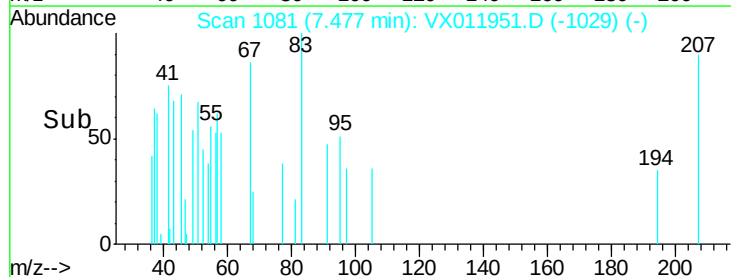
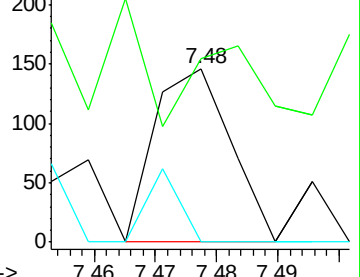
98 0.0 40.3 60.5#

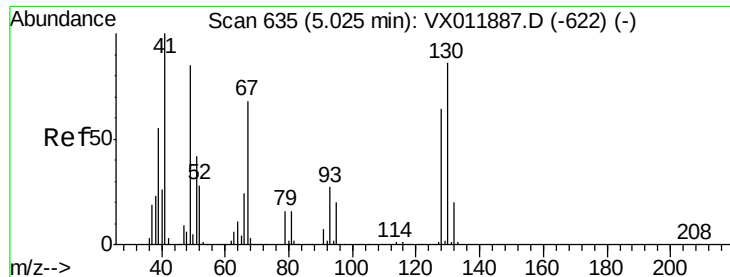


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

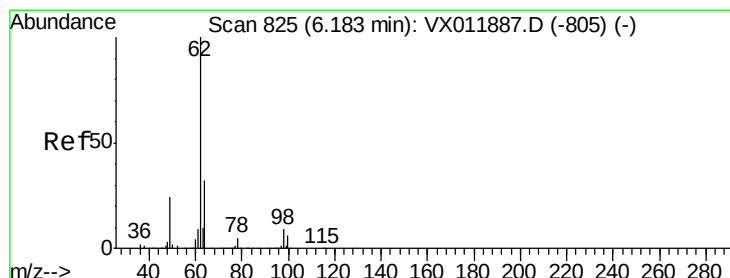
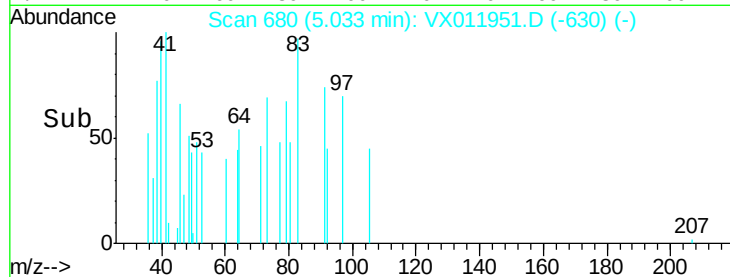
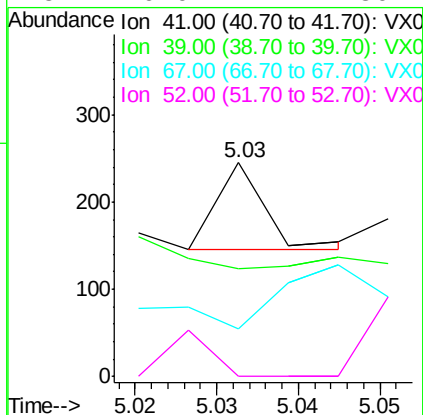
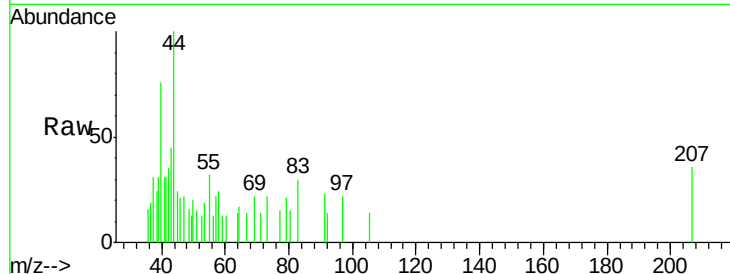




#41  
Methacrylonitrile  
Concen: 1.933 ug/l  
RT: 5.03 min Scan# 680  
Delta R.T. 0.01 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

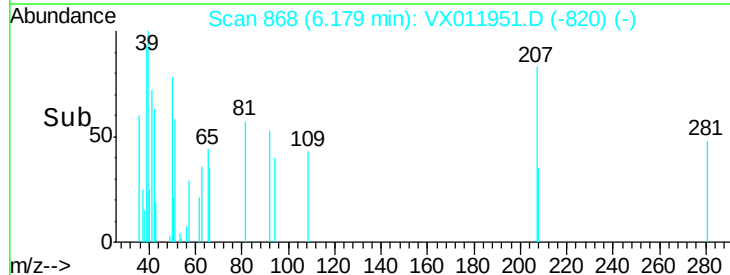
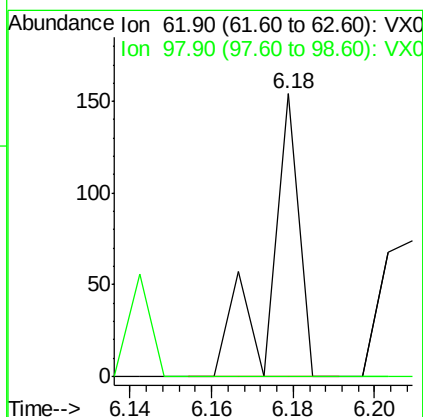
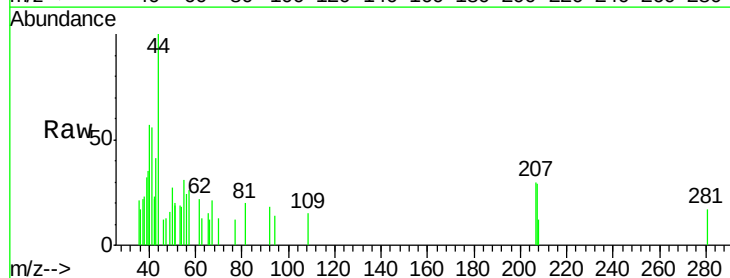
Instrument :  
MSVOA\_X  
ClientSampled :  
T2-S-B4-(0)

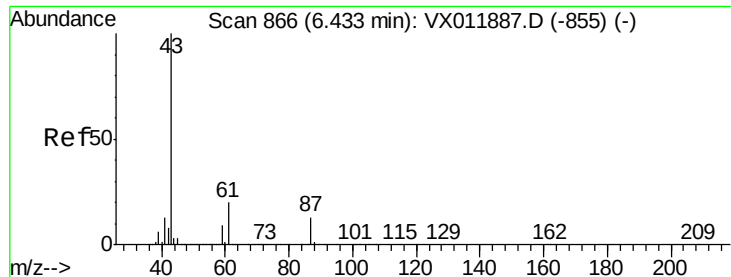
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 41    |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 0.0   | 45.0  | 67.6# |
| 67       | 0.0   | 55.0  | 82.4# |
| 52       | 0.0   | 24.1  | 36.1# |



#42  
1,2-Dichloroethane  
Concen: 1.247 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.00 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 77    |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 0.0   | 0.0   | 19.2  |





#43

Isopropyl Acetate

Concen: 1.150 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

T2-S-B4-(0)

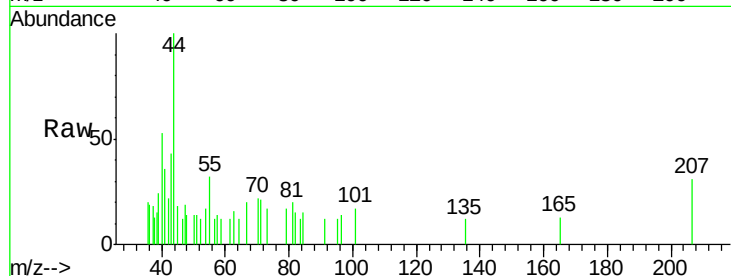
Tot Ion: 43 Resp: 84

Ion Ratio Lower Upper

43 100

61 77.4 16.1 24.1#

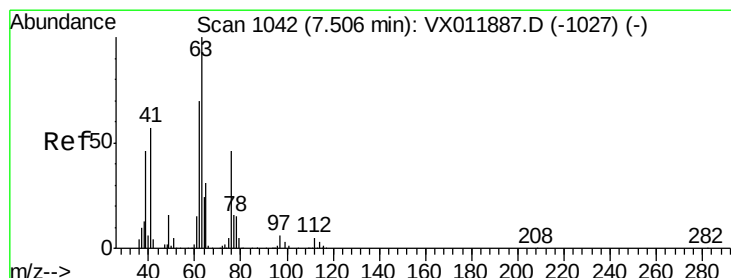
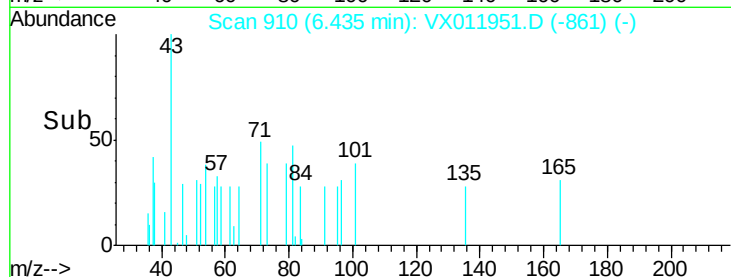
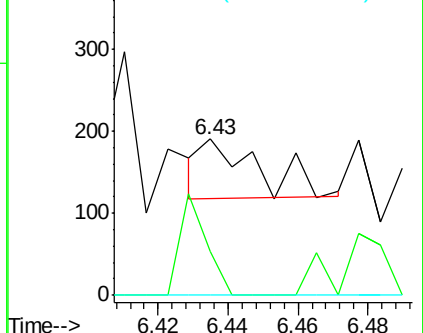
87 0.0 10.6 16.0#



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



#45

1,2-Dichloropropane

Concen: 1.073 ug/l

RT: 7.53 min Scan# 1090

Delta R.T. 0.03 min

Lab File: VX011951.D

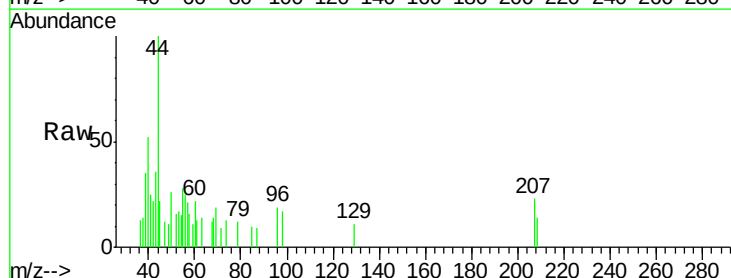
Acq: 31 Aug 2019 15:23

Tgt Ion: 63 Resp: 51

Ion Ratio Lower Upper

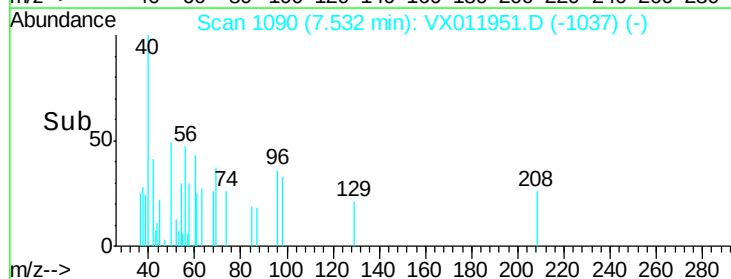
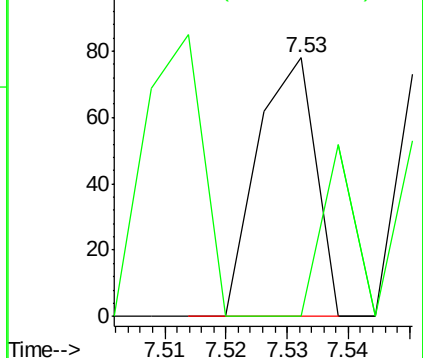
63 100

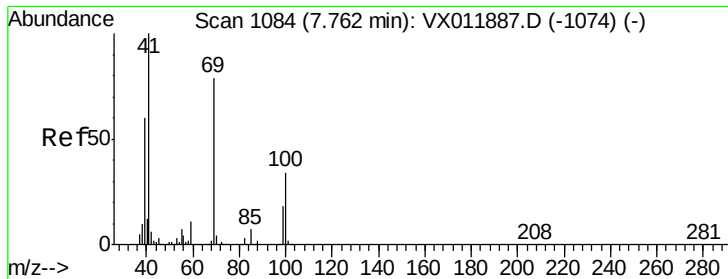
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

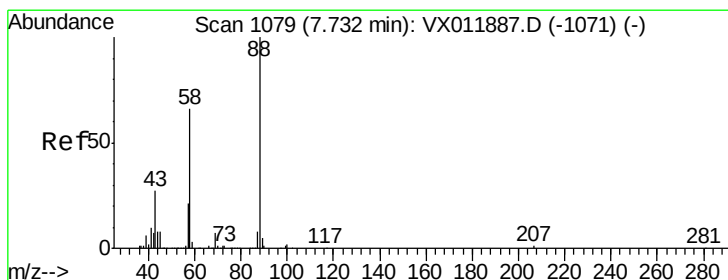
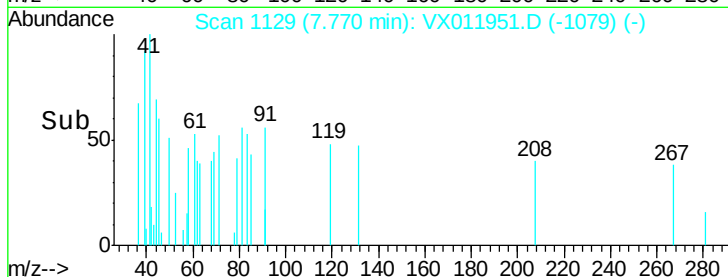
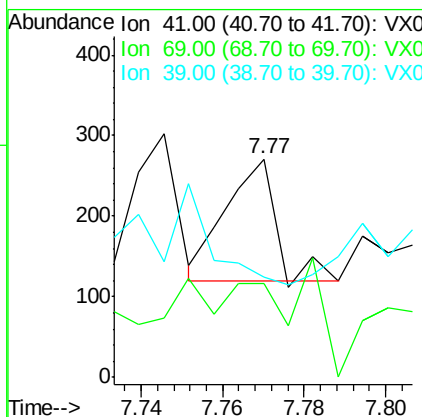
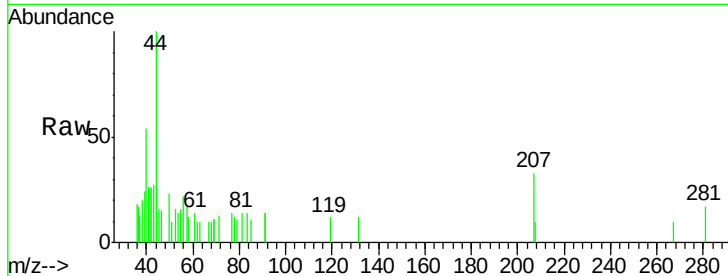




#48  
Methvl methacrylate  
Concen: 3.659 ug/l  
RT: 7.77 min Scan# 1129  
Delta R.T. 0.01 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

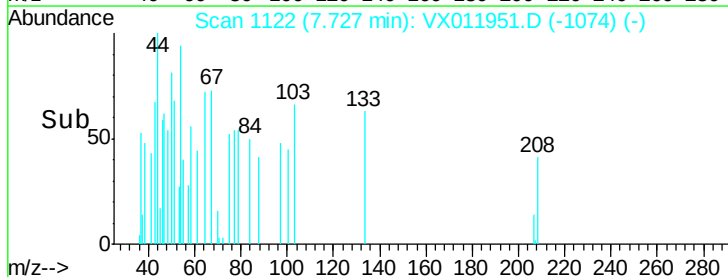
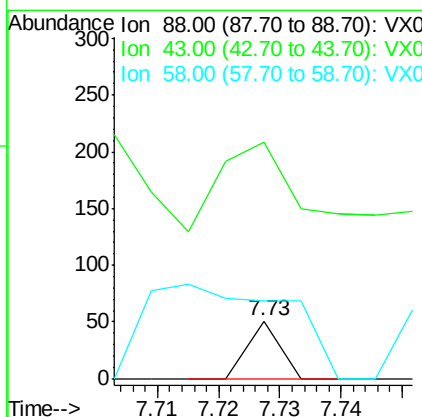
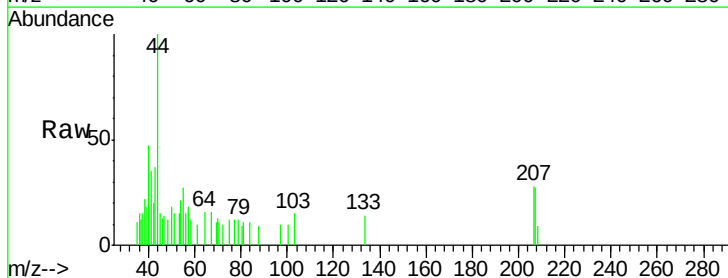
Instrument :  
MSVOA\_X  
ClientSampled :  
T2-S-B4-(0)

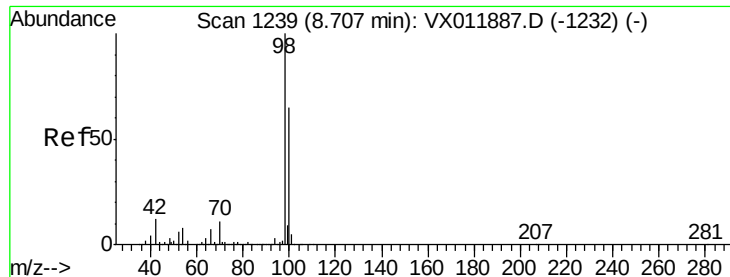
Tot Ion: 41 Resp: 130  
Ion Ratio Lower Upper  
41 100  
69 0.0 64.4 96.6#  
39 0.0 47.2 70.8#



#49  
1,4-Dioxane  
Concen: 38.884 ug/l  
RT: 7.73 min Scan# 1122  
Delta R.T. -0.00 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

Tgt Ion: 88 Resp: 19  
Ion Ratio Lower Upper  
88 100  
43 373.7 27.3 40.9#  
58 710.5 53.9 80.9#

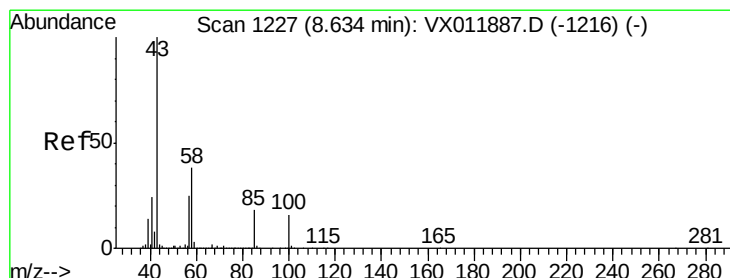
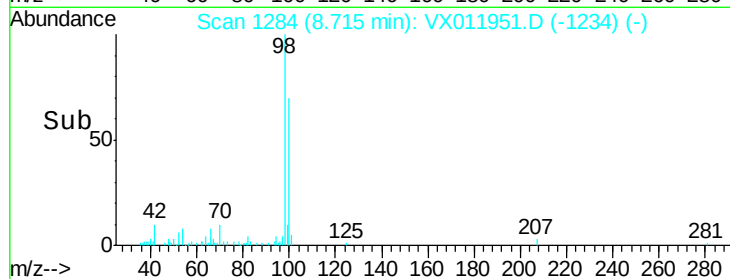
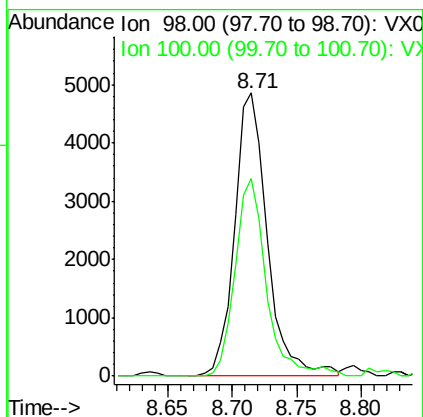
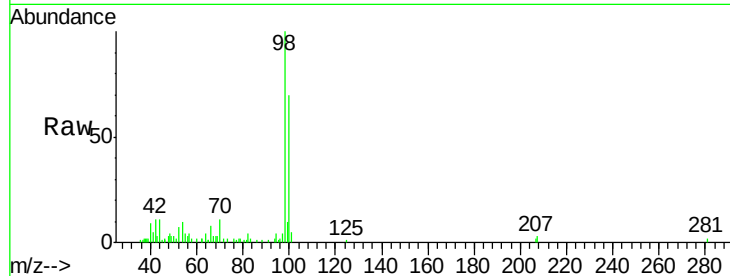




#50  
Toluene-d8  
Concen: 48.669 ug/l  
RT: 8.71 min Scan# 1284  
Delta R.T. 0.01 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

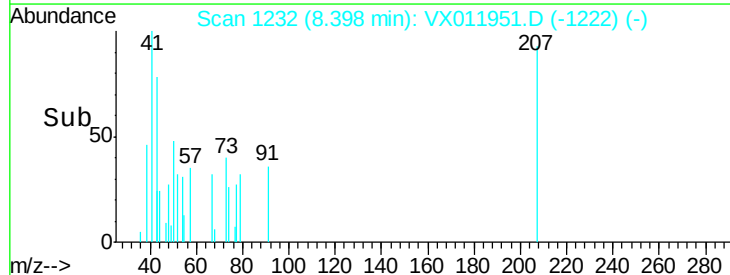
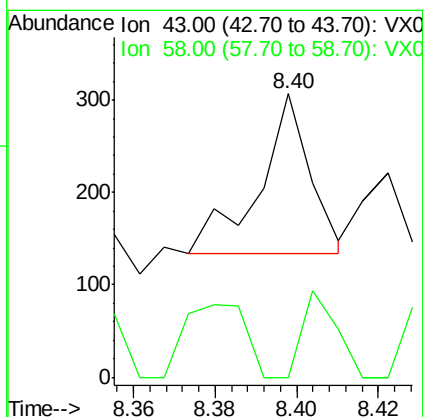
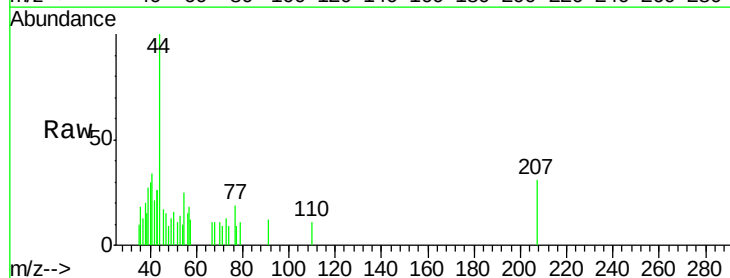
Instrument :  
MSVOA\_X  
ClientSampled :  
T2-S-B4-(0)

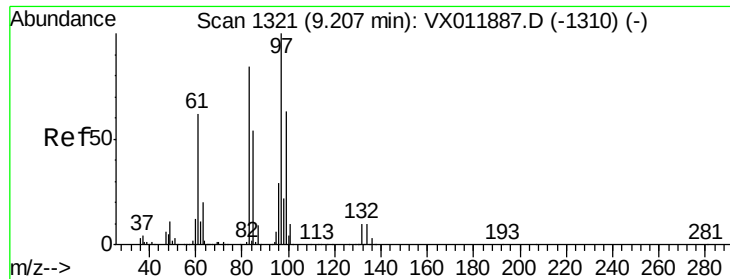
Tot Ion: 98 Resp: 8569  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.0 79.6



#51  
4-Methyl-2-Pentanone  
Concen: 4.043 ug/l  
RT: 8.40 min Scan# 1232  
Delta R.T. -0.24 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

Tgt Ion: 43 Resp: 150  
Ion Ratio Lower Upper  
43 100  
58 35.3 30.9 46.3

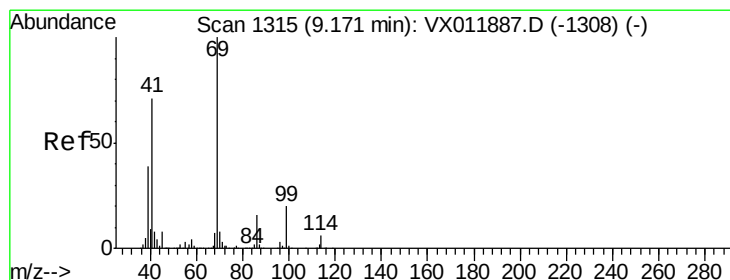
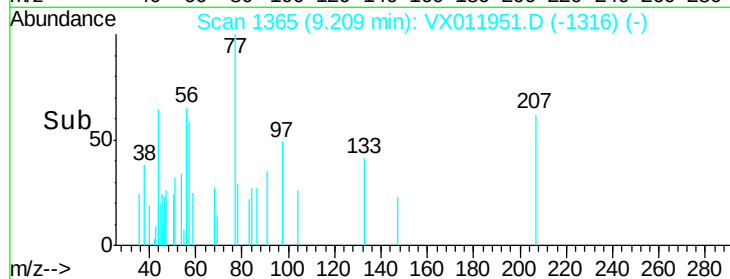
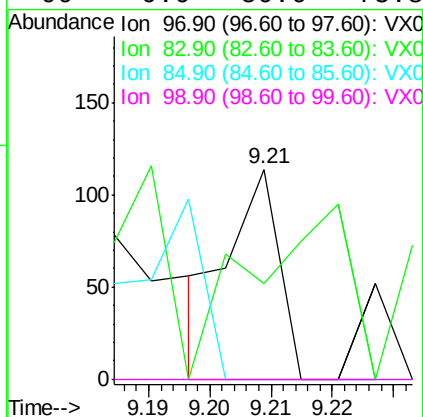
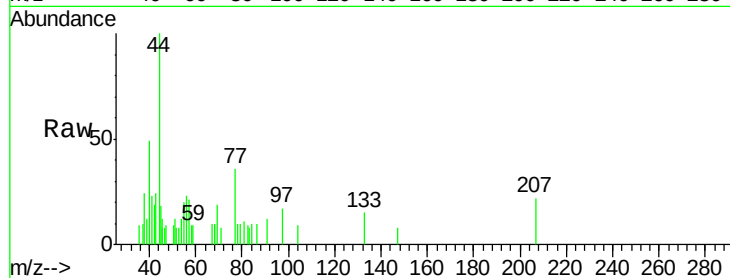




#55  
 1,1,2-Trichloroethane  
 Concen: 1.550 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

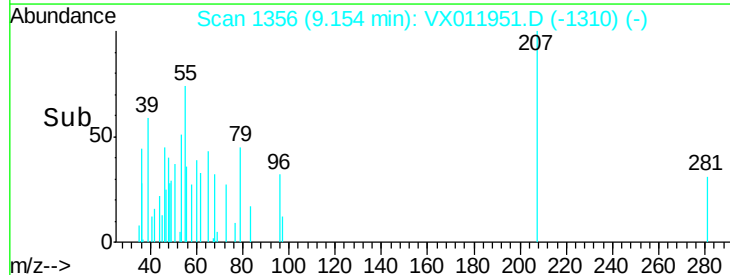
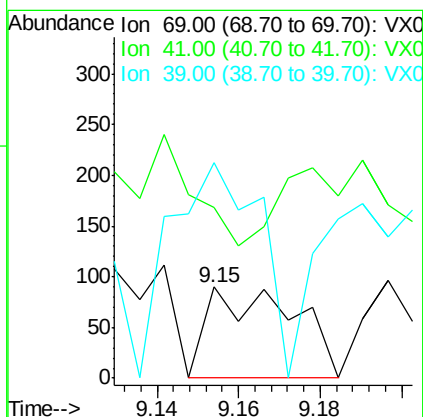
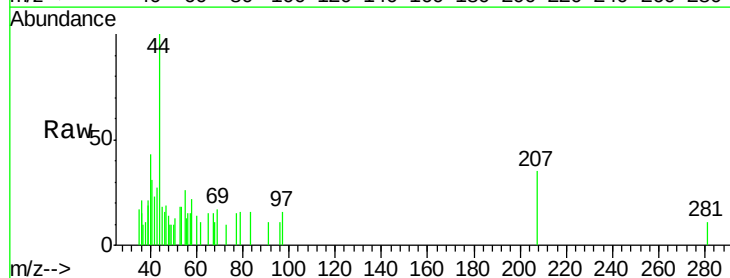
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T2-S-B4-(0)

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 64     |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 45.6  | 66.8  | 100.2# |
| 85       | 0.0   | 43.5  | 65.3#  |
| 99       | 0.0   | 50.6  | 75.8#  |

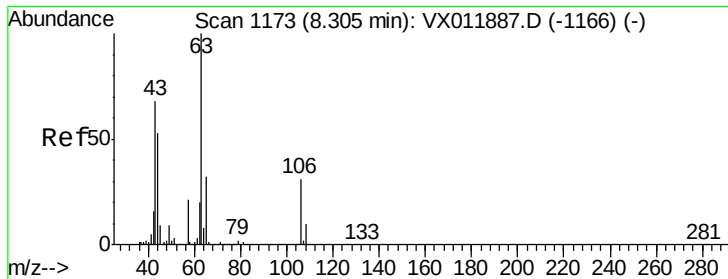


#56  
 Ethyl methacrylate  
 Concen: 2.304 ug/l  
 RT: 9.15 min Scan# 1356  
 Delta R.T. -0.02 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 132   |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 100.0 | 55.8  | 83.8# |
| 39       | 243.2 | 31.1  | 46.7# |



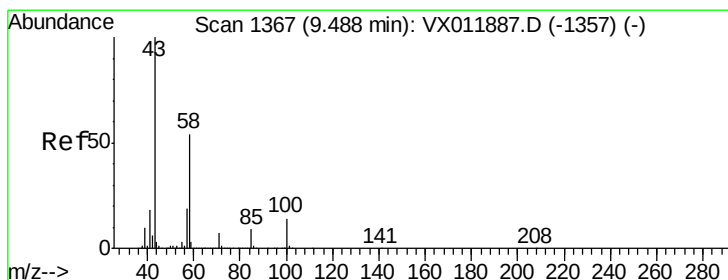
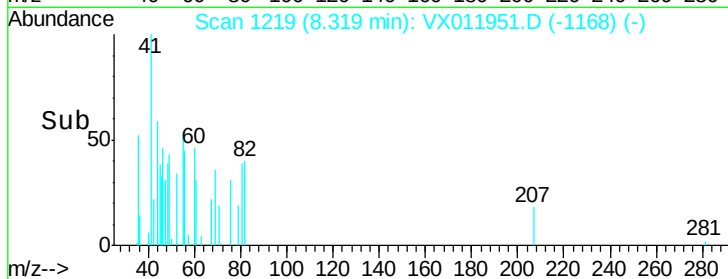
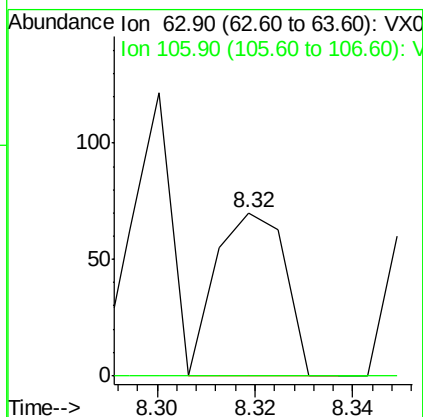
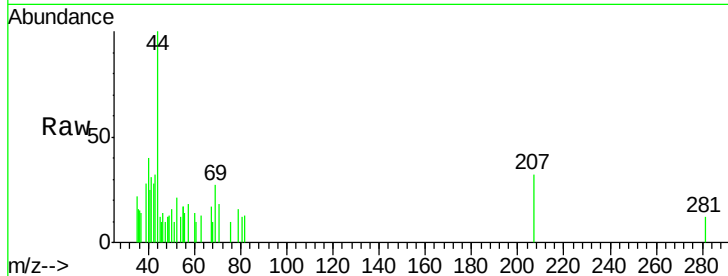




#58  
2-Chloroethyl Vinyl ether  
Concen: 2.529 ug/l  
RT: 8.32 min Scan# 1219  
Delta R.T. 0.01 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

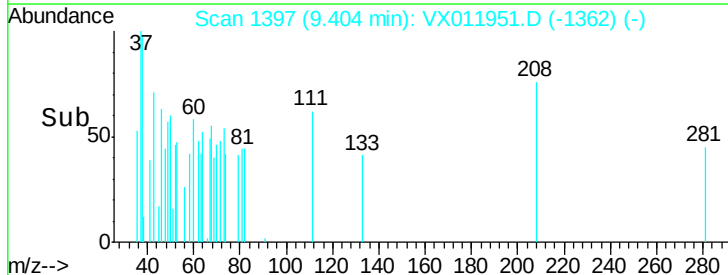
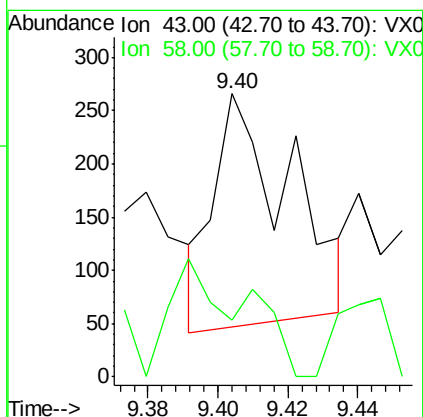
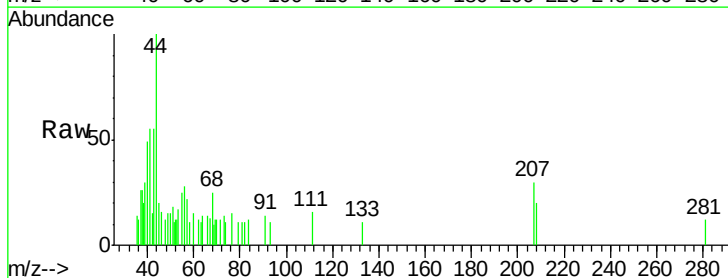
Instrument :  
MSVOA\_X  
ClientSampled :  
T2-S-B4-(0)

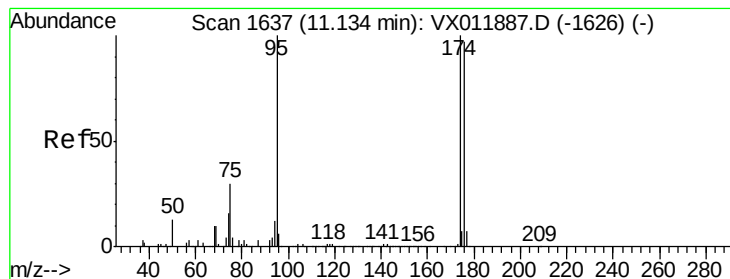
Tot Ion: 63 Resp: 69  
Ion Ratio Lower Upper  
63 100  
106 0.0 24.8 37.2#



#59  
2-Hexanone  
Concen: 12.408 ug/l  
RT: 9.40 min Scan# 1397  
Delta R.T. -0.08 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

Tgt Ion: 43 Resp: 327  
Ion Ratio Lower Upper  
43 100  
58 49.5 26.8 80.4





#62

4-Bromofluorobenzene

Concen: 24.652 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampleId :

T2-S-B4-(0)

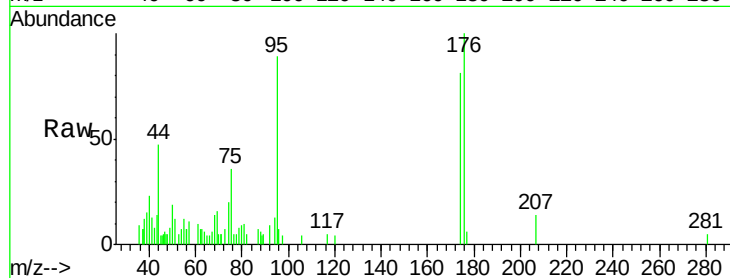
Tot Ion: 95 Resp: 1904

Ion Ratio Lower Upper

95 100

174 91.1 0.0 196.0

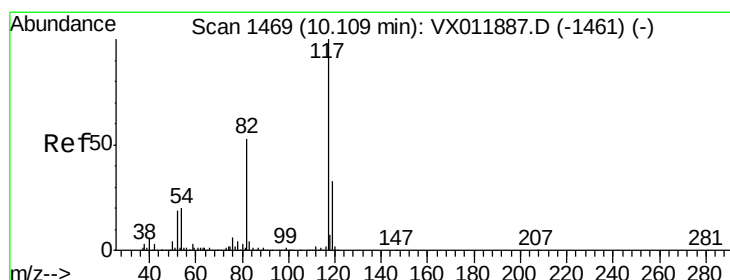
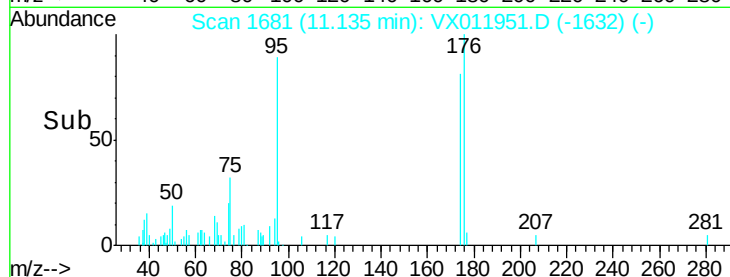
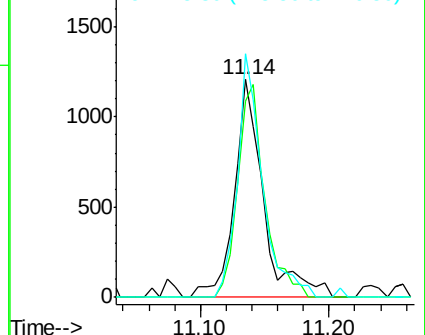
176 96.8 0.0 191.4



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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

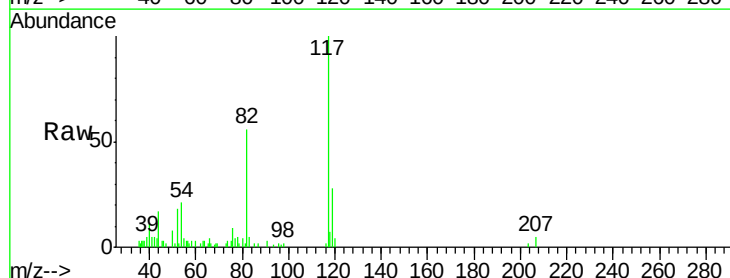
Tgt Ion: 117 Resp: 5412

Ion Ratio Lower Upper

117 100

82 55.8 42.0 63.0

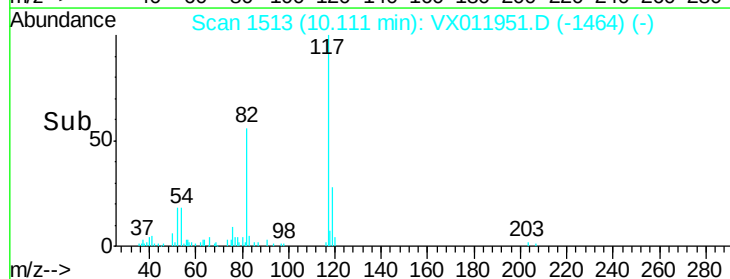
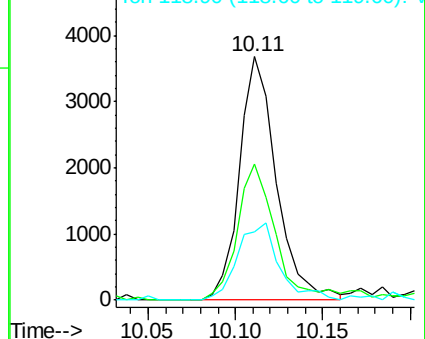
119 28.1 26.2 39.4

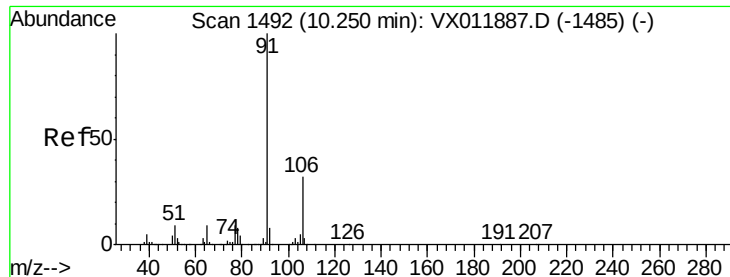


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 2.153 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.00 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

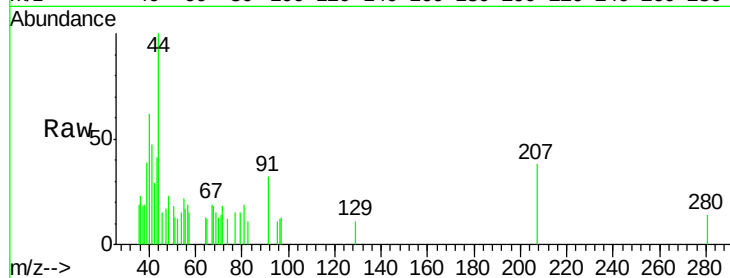
T2-S-B4-(0)

Tot Ion: 91 Resp: 384

Ion Ratio Lower Upper

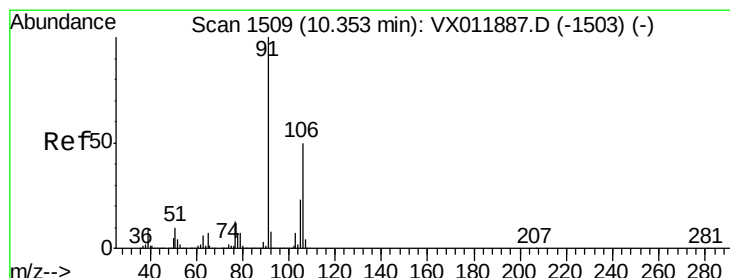
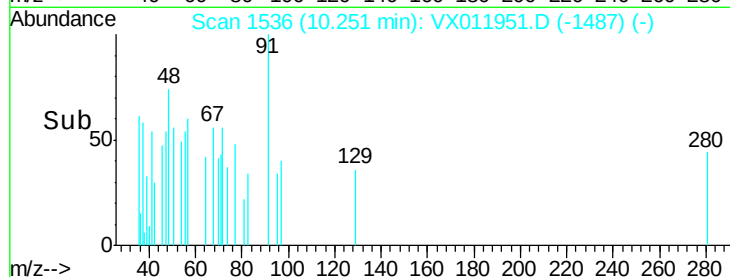
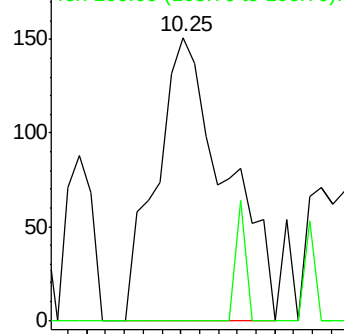
91 100

106 0.0 25.8 38.8#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 1.002 ug/l

RT: 10.37 min Scan# 1555

Delta R.T. 0.01 min

Lab File: VX011951.D

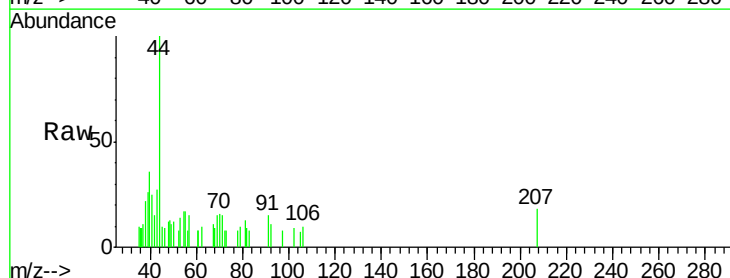
Acq: 31 Aug 2019 15:23

Tgt Ion: 106 Resp: 69

Ion Ratio Lower Upper

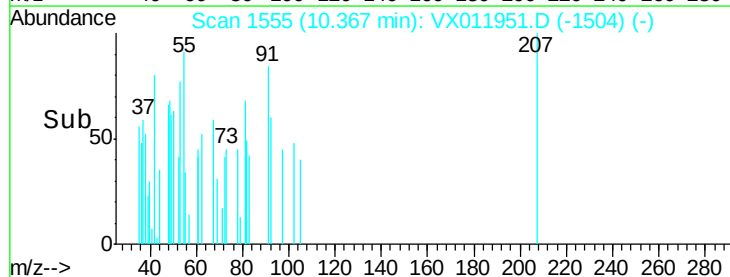
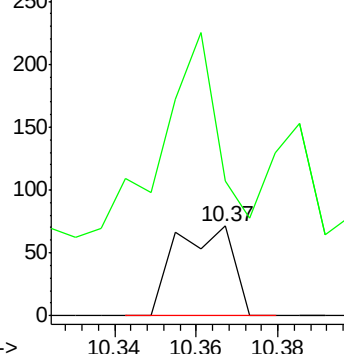
106 100

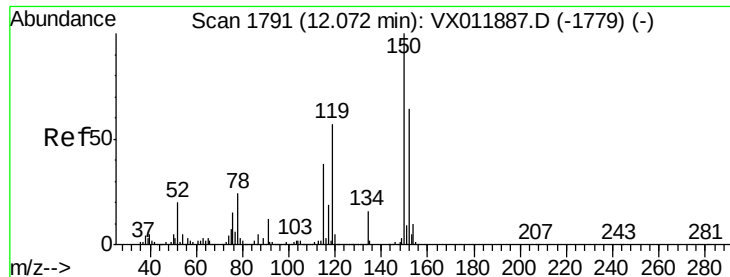
91 588.4 158.6 237.8#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampleId :

T2-S-B4-(0)

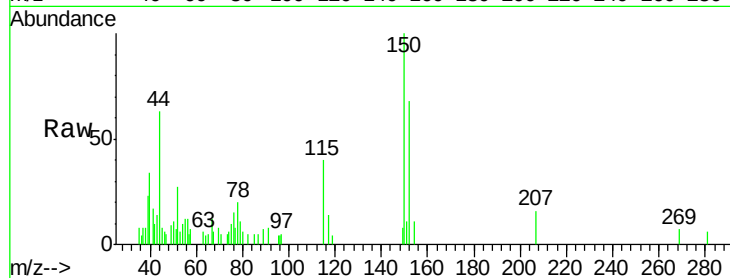
Tot Ion:152 Resp: 1279

Ion Ratio Lower Upper

152 100

115 66.9 37.1 111.3

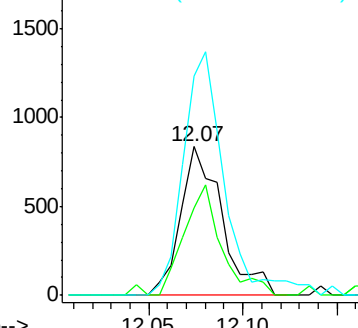
150 163.9 0.0 339.6



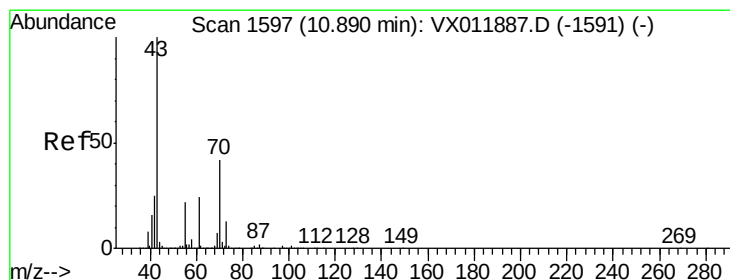
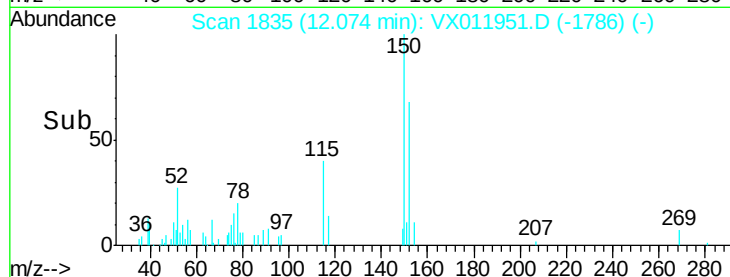
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#74

N-amyl acetate

Concen: 9.400 ug/l

RT: 10.87 min Scan# 1637

Delta R.T. -0.02 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Tgt Ion: 43 Resp: 205

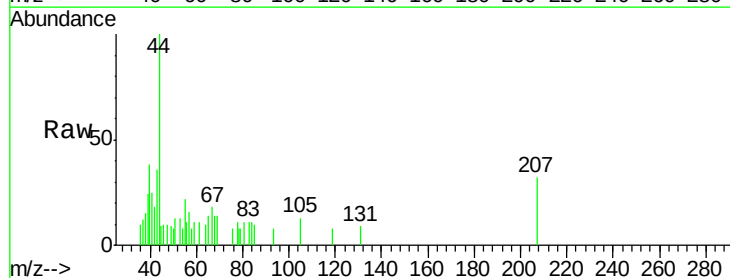
Ion Ratio Lower Upper

43 100

70 0.0 0.2 0.2#

55 0.0 0.1 0.1#

61 23.9 16.4 24.6

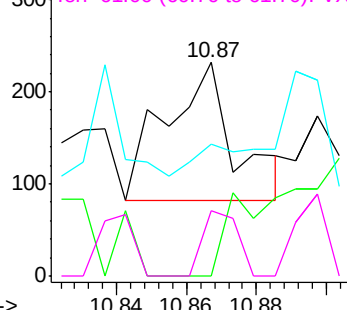


Abundance Ion 43.00 (42.70 to 43.70): VX0

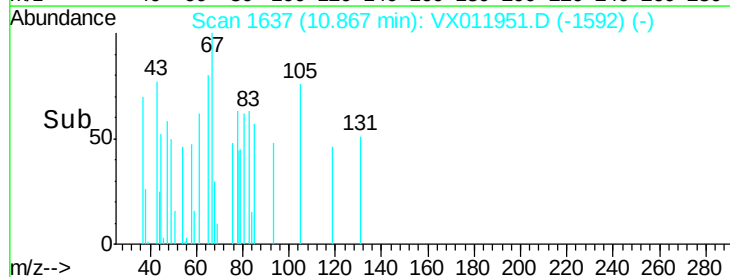
Ion 70.00 (69.70 to 70.70): VX0

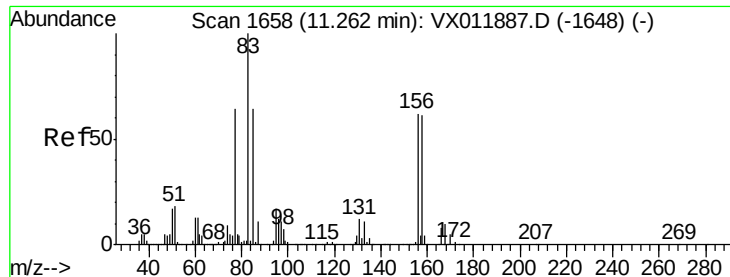
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.505 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

T2-S-B4-(0)

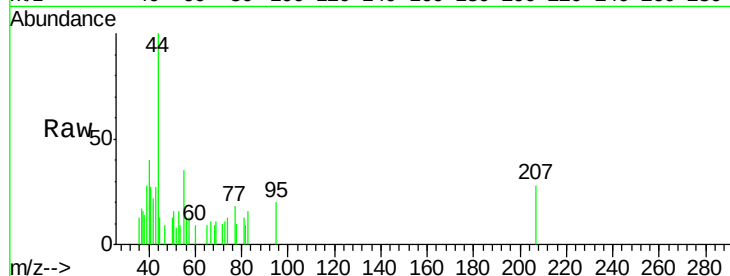
Tot Ion: 83 Resp: 158

Ion Ratio Lower Upper

83 100

131 0.0 6.0 18.0#

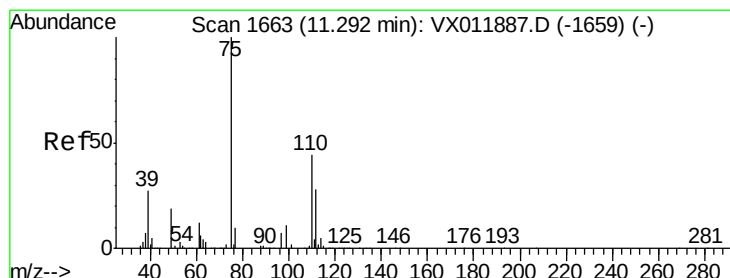
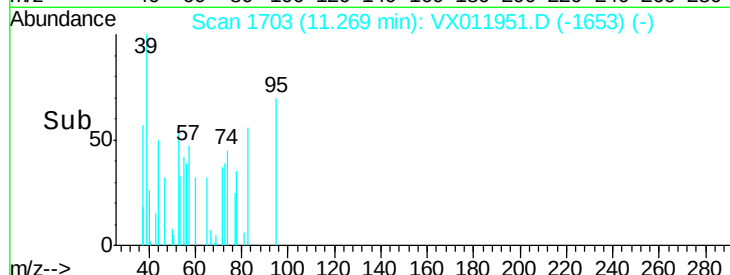
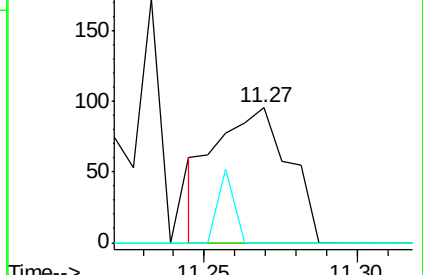
85 12.0 31.9 95.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 3.815 ug/l

RT: 11.31 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VX011951.D

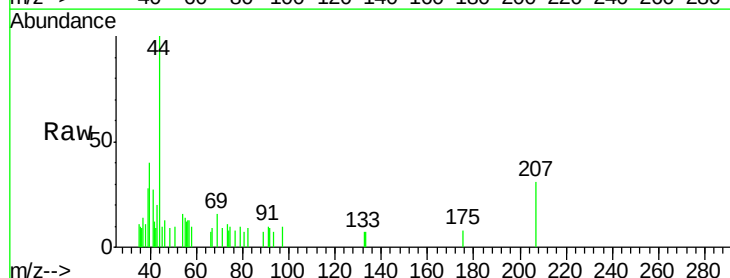
Acq: 31 Aug 2019 15:23

Tgt Ion: 75 Resp: 48

Ion Ratio Lower Upper

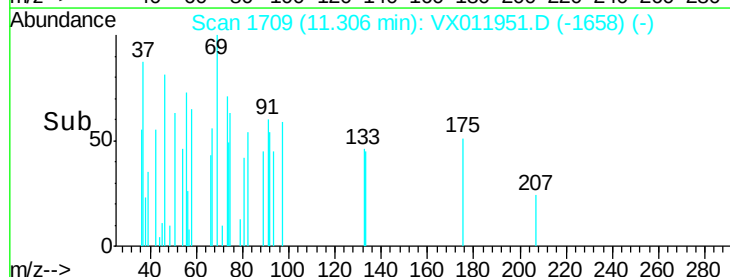
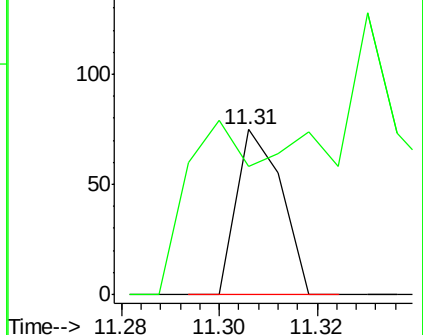
75 100

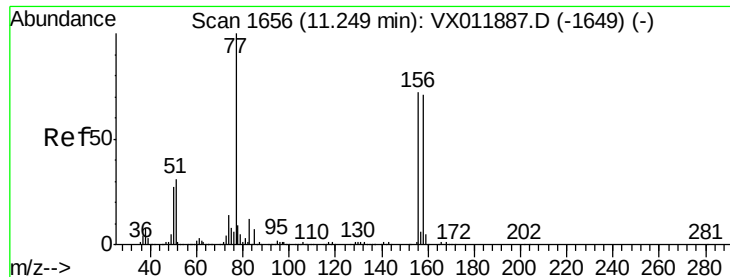
77 197.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

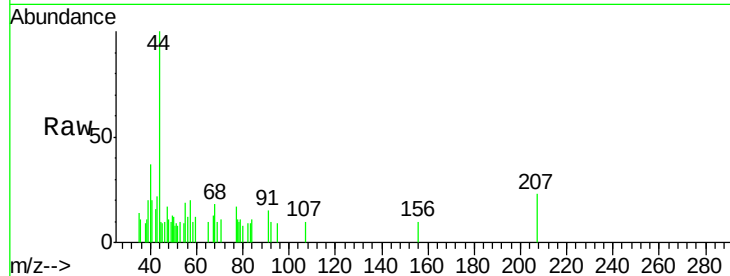




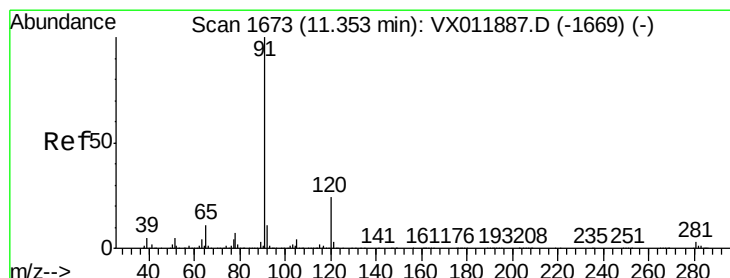
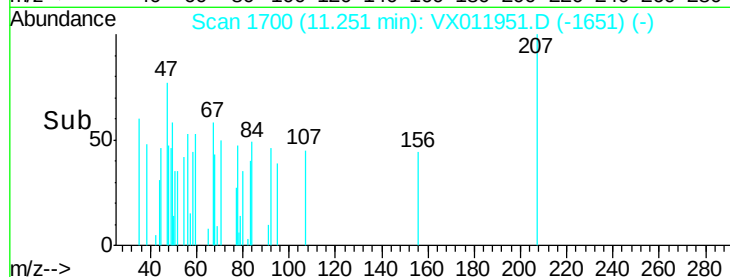
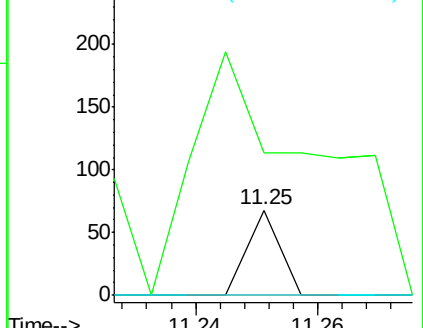
#77  
Bromobenzene  
Concen: 1.173 ug/l  
RT: 11.25 min Scan# 1700  
Delta R.T. 0.00 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

Instrument :  
MSVOA\_X  
ClientSampled :  
T2-S-B4-(0)

Tot Ion:156 Resp: 25  
Ion Ratio Lower Upper  
156 100  
77 1096.0 68.1 204.3#  
158 0.0 48.9 146.8#

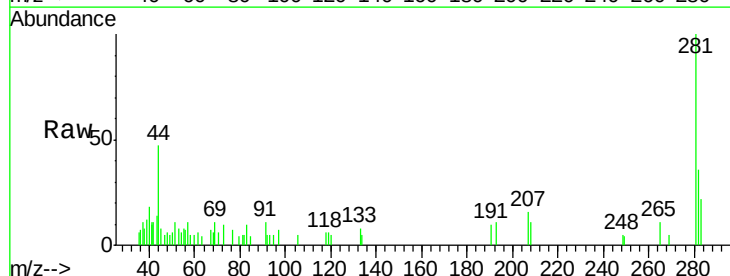


Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 157.80 (157.50 to 158.50): V

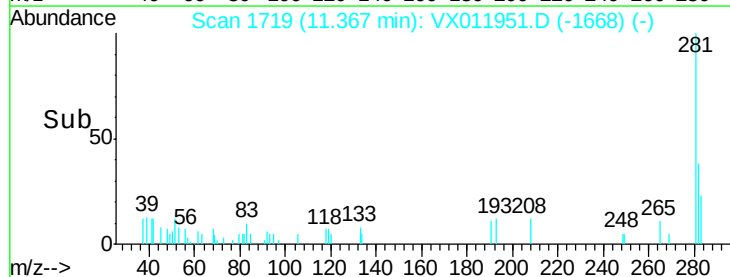
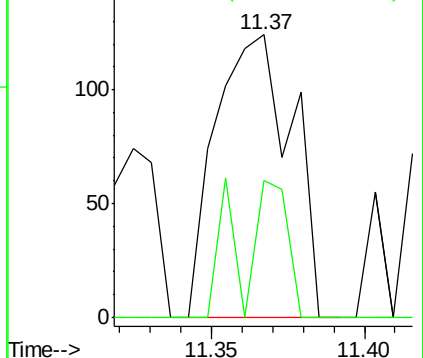


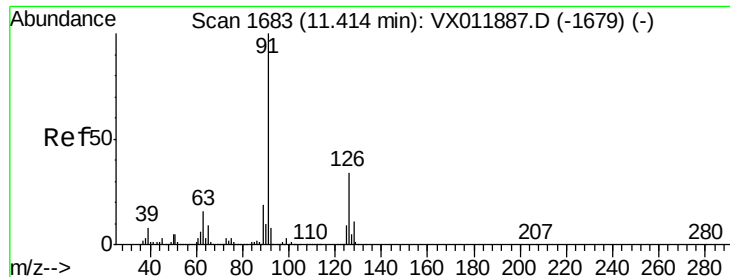
#78  
n-propylbenzene  
Concen: 2.580 ug/l  
RT: 11.37 min Scan# 1719  
Delta R.T. 0.01 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

Tgt Ion: 91 Resp: 215  
Ion Ratio Lower Upper  
91 100  
120 30.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 120.00 (119.70 to 120.70): V

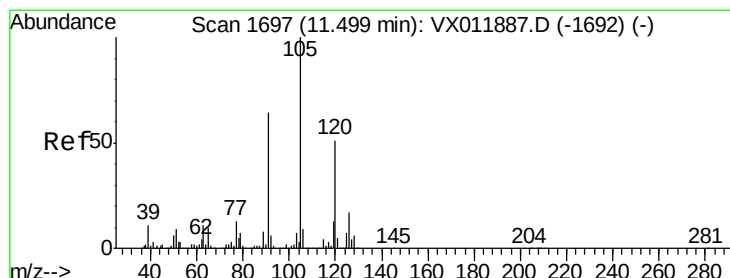
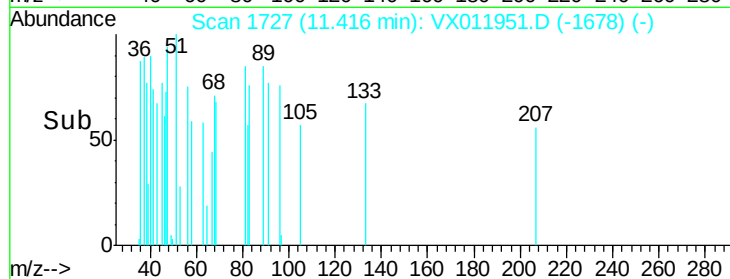
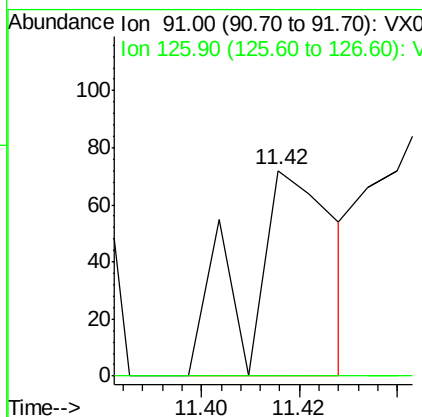
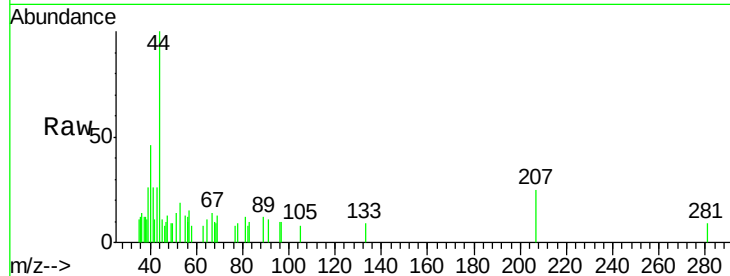




#79  
 2-Chlorotoluene  
 Concen: 1.794 ug/l  
 RT: 11.42 min Scan# 1727  
 Delta R.T. 0.00 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

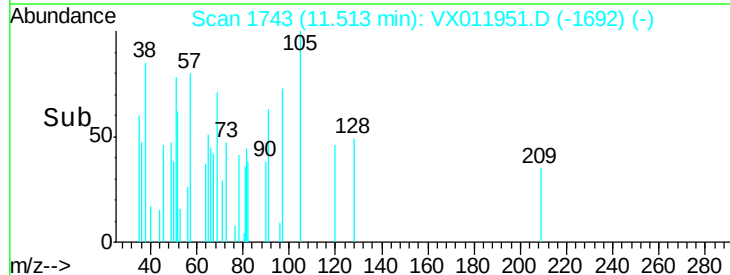
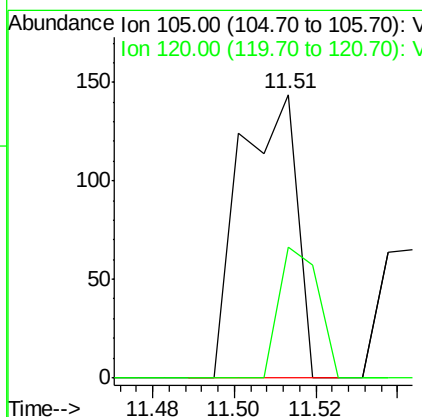
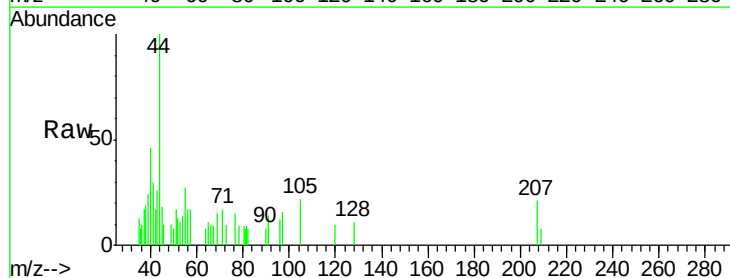
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T2-S-B4-(0)

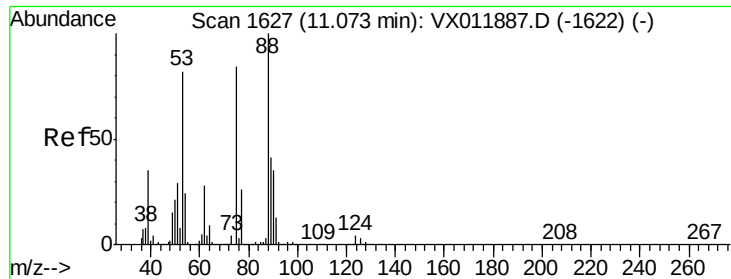
Tot Ion: 91 Resp: 90  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 17.9 53.8#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.207 ug/l  
 RT: 11.51 min Scan# 1743  
 Delta R.T. 0.01 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

Tgt Ion: 105 Resp: 140  
 Ion Ratio Lower Upper  
 105 100  
 120 32.1 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 21.165 ug/l

RT: 11.02 min Scan# 1662

Delta R.T. -0.05 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

T2-S-B4-(0)

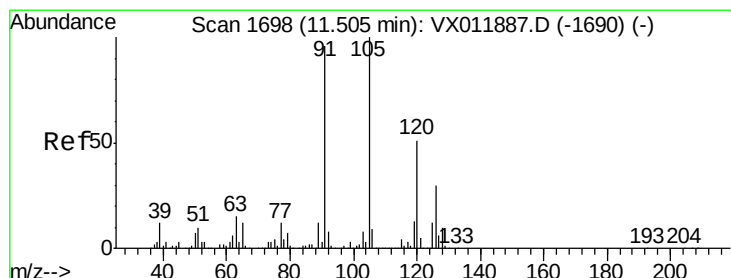
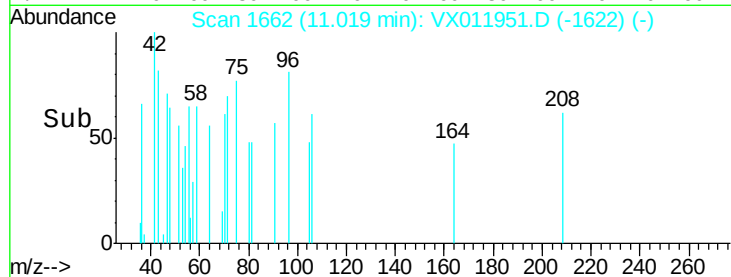
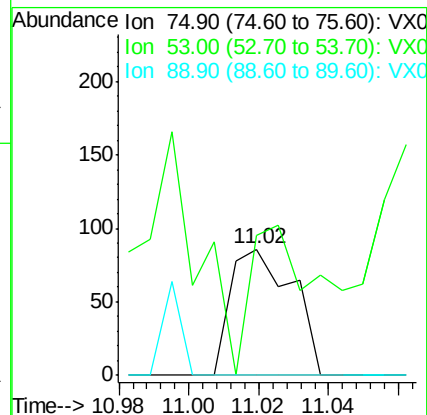
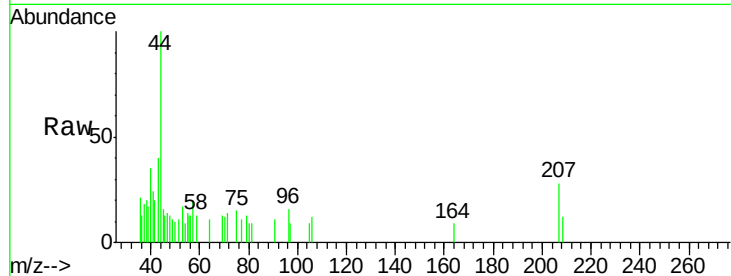
Tot Ion: 75 Resp: 106

Ion Ratio Lower Upper

75 100

53 131.1 77.1 115.7#

89 0.0 38.2 57.2#



#82

4-Chlorotoluene

Concen: 3.735 ug/l

RT: 11.51 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VX011951.D

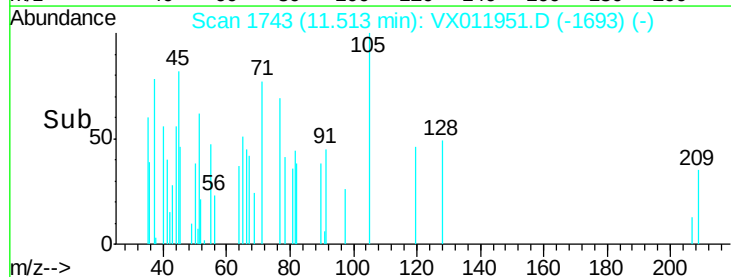
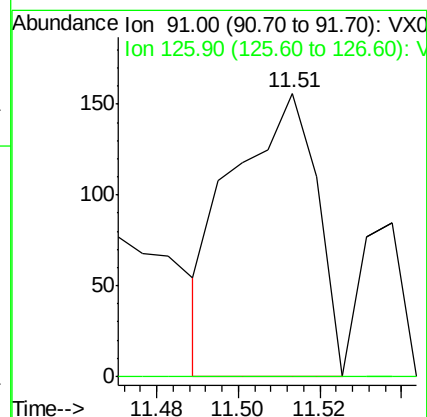
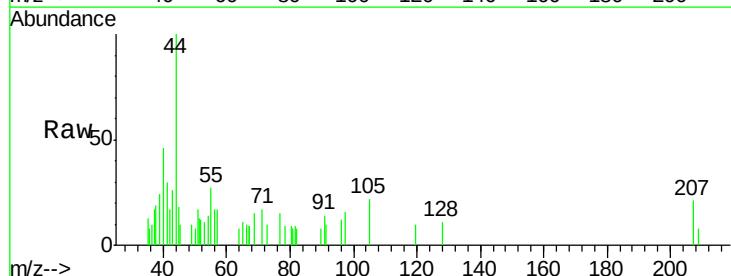
Acq: 31 Aug 2019 15:23

Tgt Ion: 91 Resp: 226

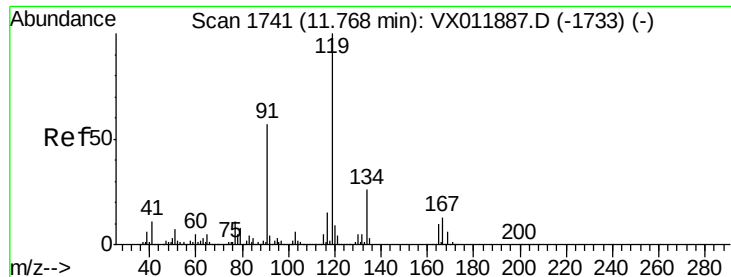
Ion Ratio Lower Upper

91 100

126 0.0 15.9 47.6#



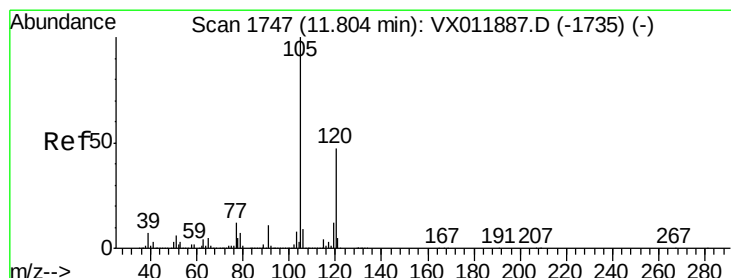
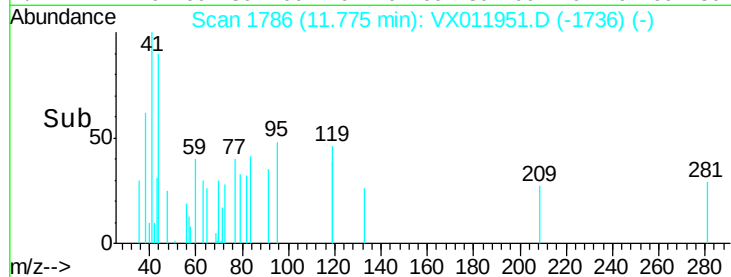
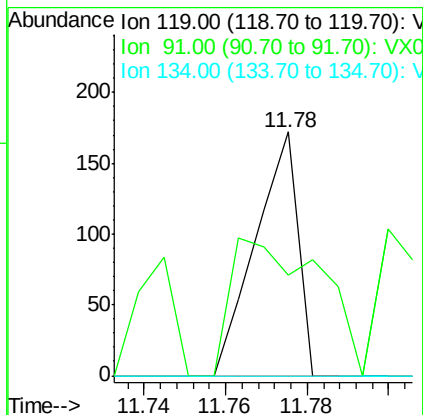
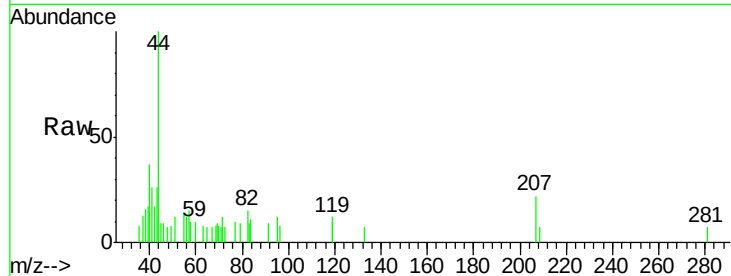




#83  
 tert-Butylbenzene  
 Concen: 1.942 ug/l  
 RT: 11.78 min Scan# 1786  
 Delta R.T. 0.01 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

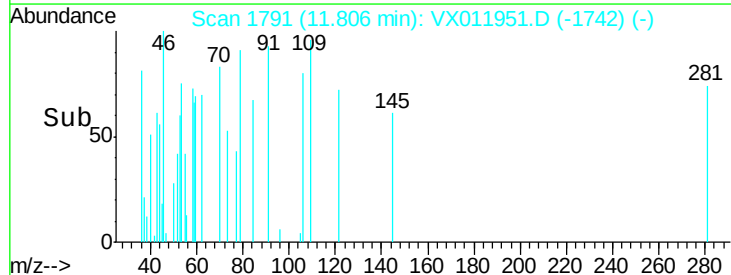
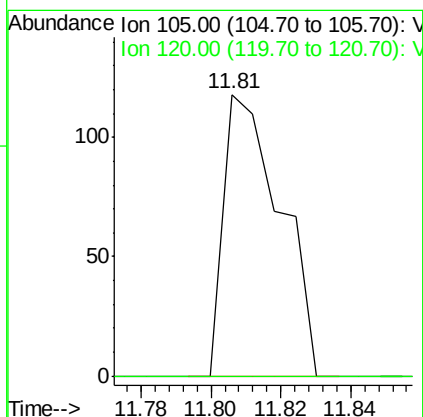
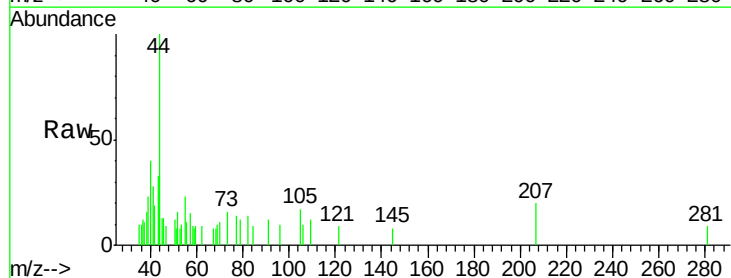
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 T2-S-B4-(0)

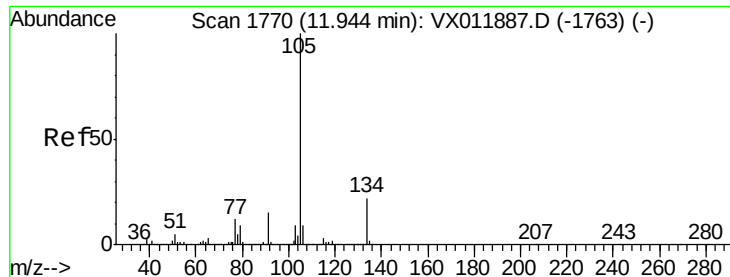
Tot Ion:119 Resp: 125  
 Ion Ratio Lower Upper  
 119 100  
 91 118.4 27.9 83.6#  
 134 0.0 12.3 36.8#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.046 ug/l  
 RT: 11.81 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

Tgt Ion:105 Resp: 133  
 Ion Ratio Lower Upper  
 105 100  
 120 0.0 23.4 70.3#





#85

sec-Butylbenzene

Concen: 1.726 ug/l

RT: 11.95 min Scan# 1814

Delta R.T. 0.00 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

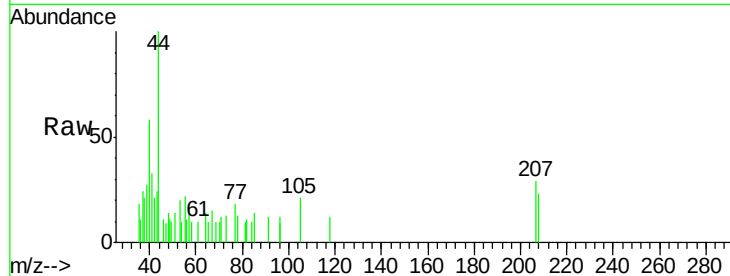
T2-S-B4-(0)

Tot Ion:105 Resp: 129

Ion Ratio Lower Upper

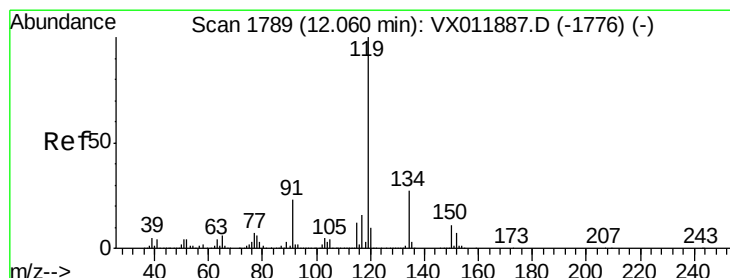
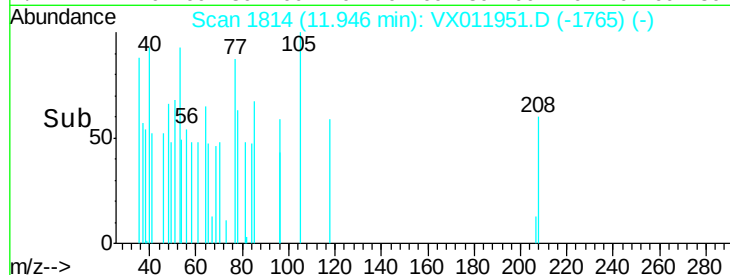
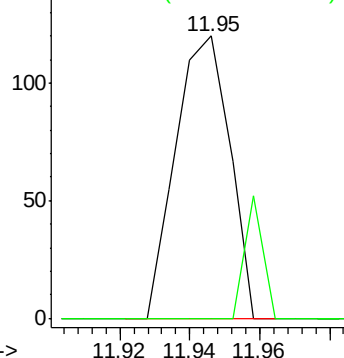
105 100

134 14.7 10.9 32.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.683 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

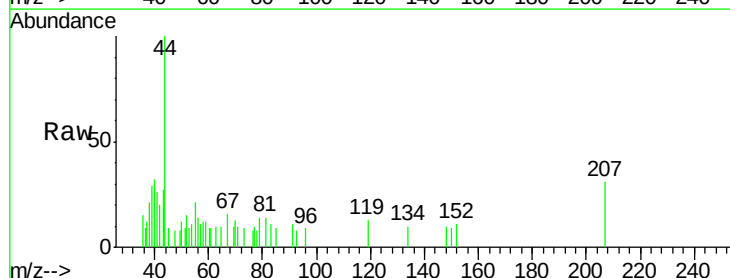
Tgt Ion:119 Resp: 122

Ion Ratio Lower Upper

119 100

134 59.0 13.7 41.0#

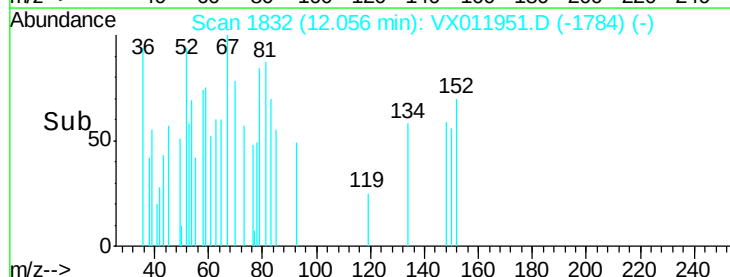
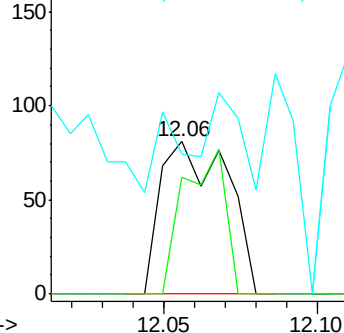
91 150.0 11.6 34.7#

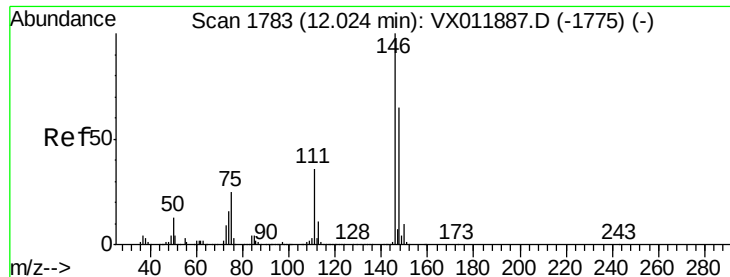


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

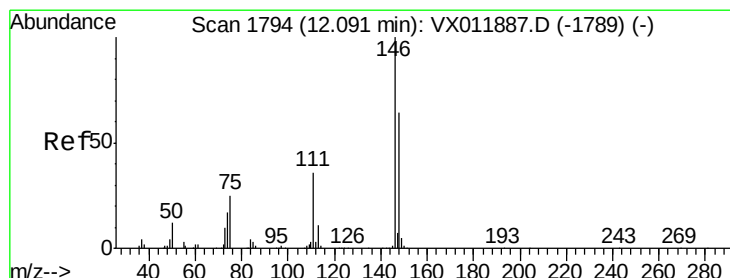
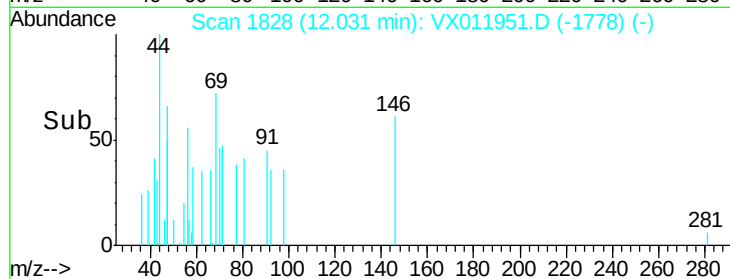
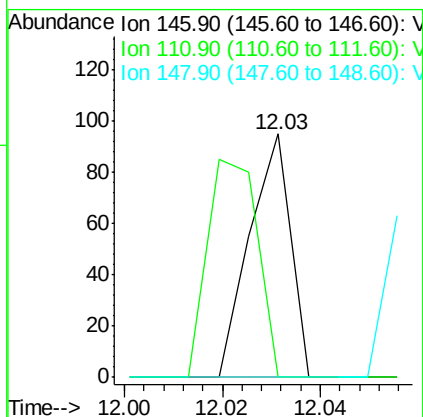
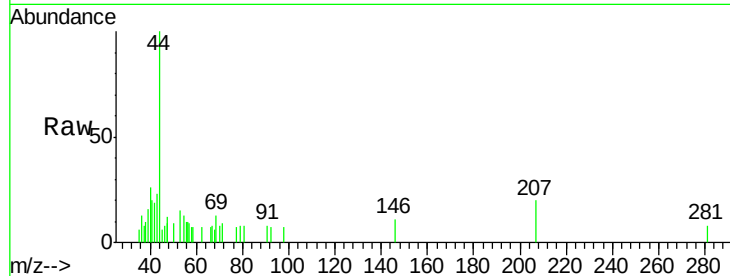




#87  
 1,3-Dichlorobenzene  
 Concen: 1.388 ug/l  
 RT: 12.03 min Scan# 1828  
 Delta R.T. 0.01 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

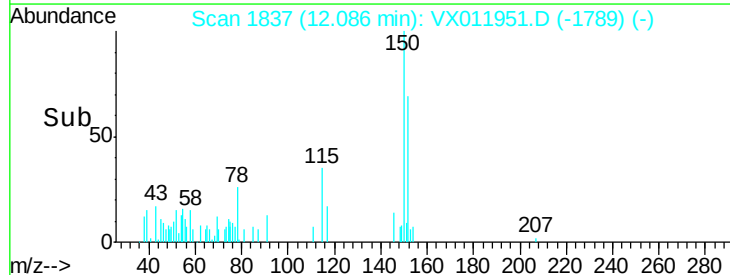
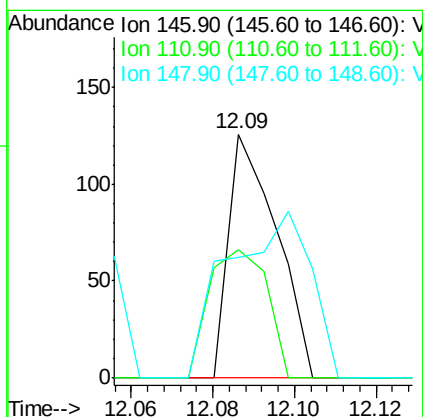
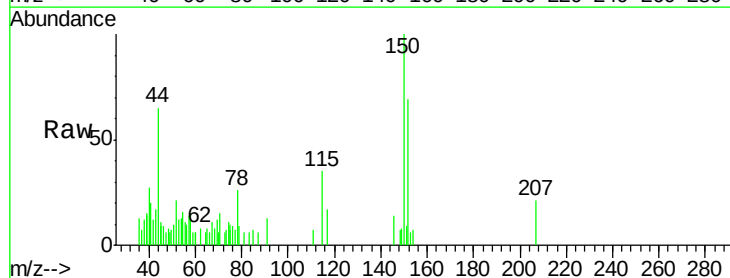
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T2-S-B4-(0)

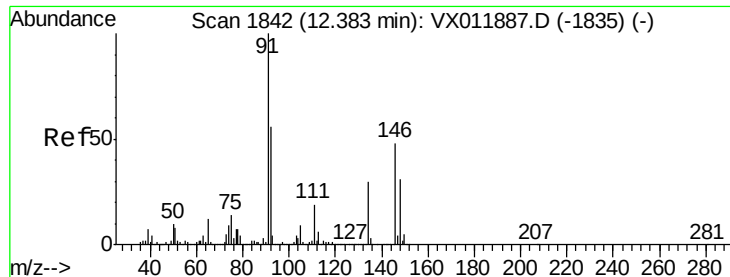
Tot Ion:146 Resp: 55  
 Ion Ratio Lower Upper  
 146 100  
 111 109.1 18.4 55.2#  
 148 0.0 32.1 96.5#



#88  
 1,4-Dichlorobenzene  
 Concen: 2.547 ug/l  
 RT: 12.09 min Scan# 1837  
 Delta R.T. -0.00 min  
 Lab File: VX011951.D  
 Acq: 31 Aug 2019 15:23

Tgt Ion:146 Resp: 102  
 Ion Ratio Lower Upper  
 146 100  
 111 63.7 17.9 53.7#  
 148 117.6 32.4 97.0#





#89

n-Butylbenzene

Concen: 3.664 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampled :

T2-S-B4-(0)

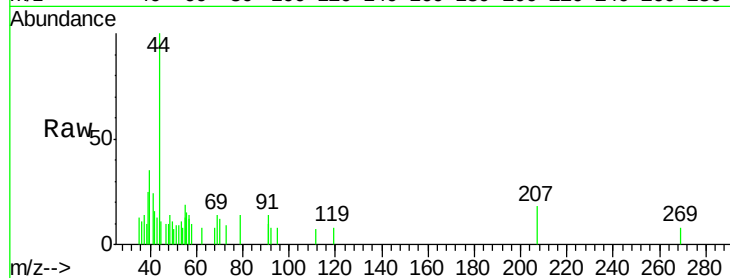
Tot Ion: 91 Resp: 235

Ion Ratio Lower Upper

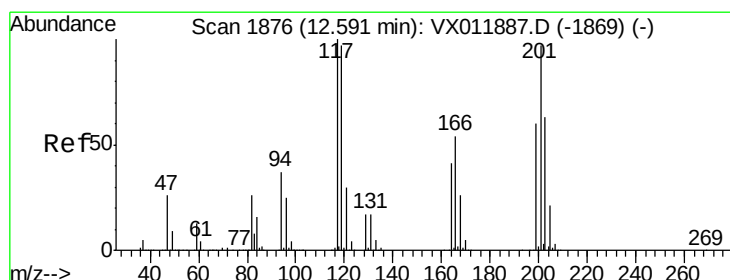
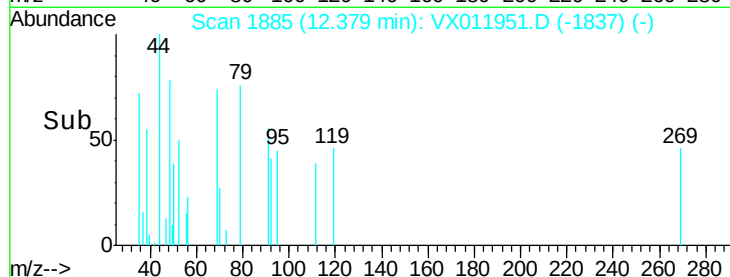
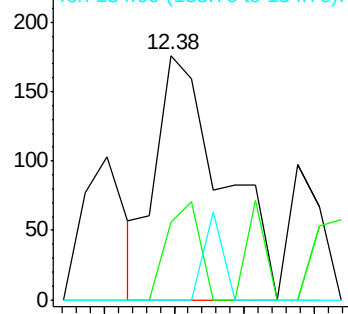
91 100

92 19.6 27.6 82.8#

134 9.8 14.8 44.3#



Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1835) (-)



#90

Hexachloroethane

Concen: 3.209 ug/l

RT: 12.59 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VX011951.D

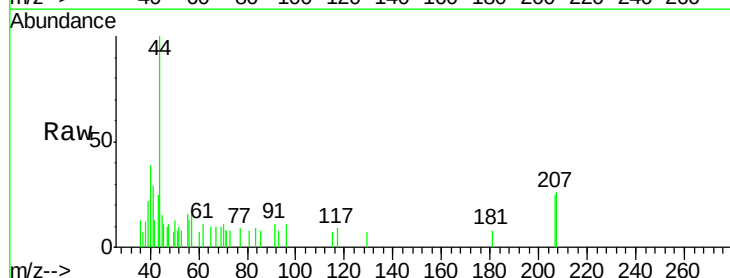
Acq: 31 Aug 2019 15:23

Tgt Ion: 117 Resp: 45

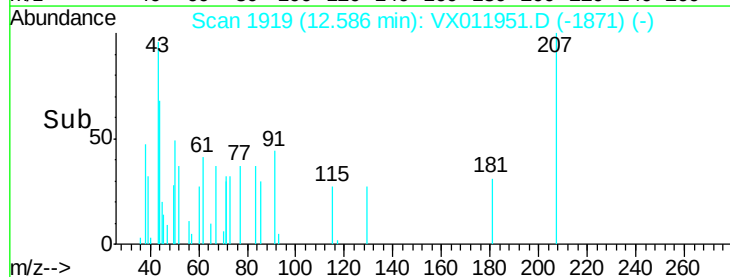
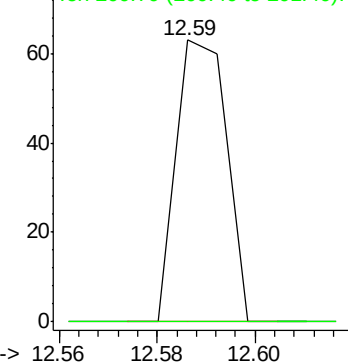
Ion Ratio Lower Upper

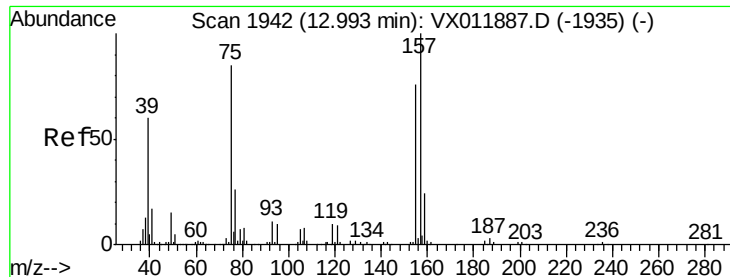
117 100

201 0.0 52.8 158.5#



Abundance Ion 116.80 (116.50 to 117.50): VX011887.D (-1869) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 8.678 ug/l

RT: 12.95 min Scan# 1978

Delta R.T. -0.05 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

Instrument :

MSVOA\_X

ClientSampleId :

T2-S-B4-(0)

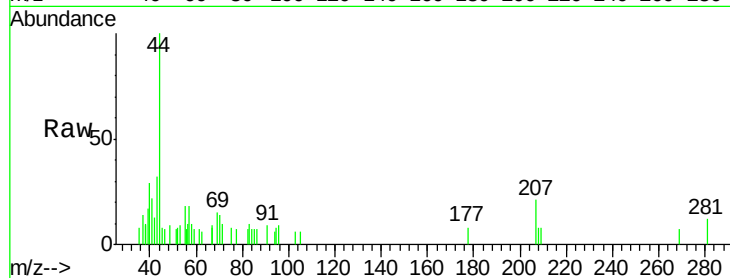
Tot Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.4#

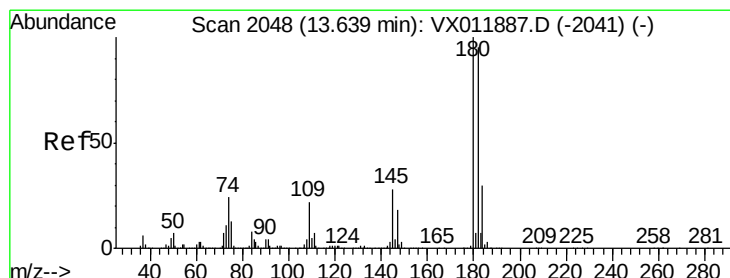
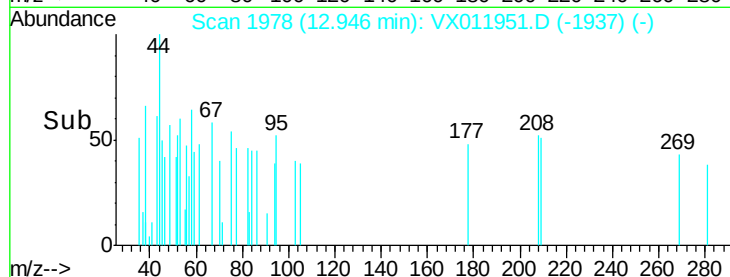
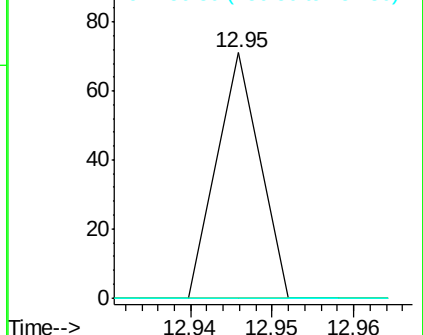
157 0.0 63.9 191.7#



Abundance Ion 74.90 (74.60 to 75.60): VX011887.D (-1935) (-)

Ion 154.80 (154.50 to 155.50): VX011887.D (-1935) (-)

Ion 156.80 (156.50 to 157.50): VX011887.D (-1935) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.709 ug/l

RT: 13.65 min Scan# 2094

Delta R.T. 0.01 min

Lab File: VX011951.D

Acq: 31 Aug 2019 15:23

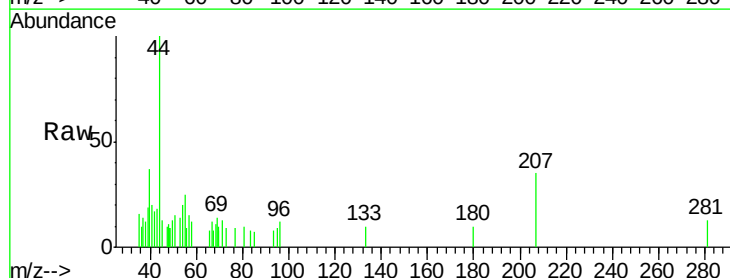
Tgt Ion: 180 Resp: 53

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

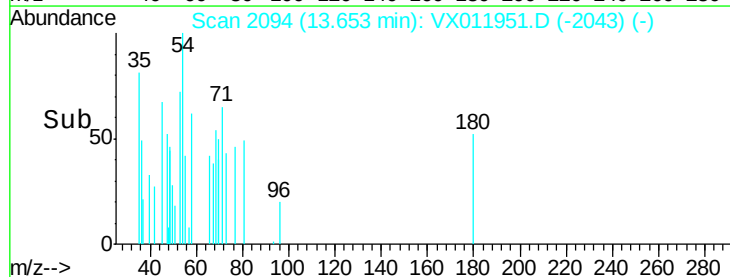
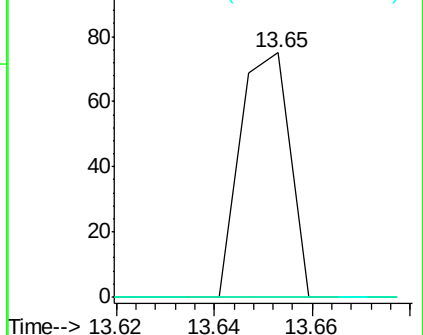
145 0.0 13.8 41.3#

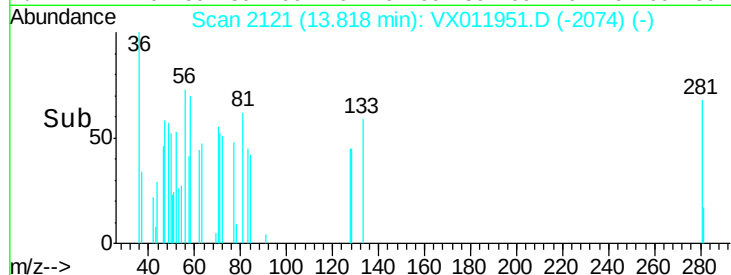
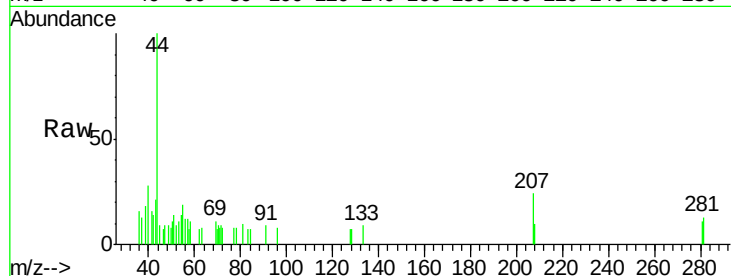
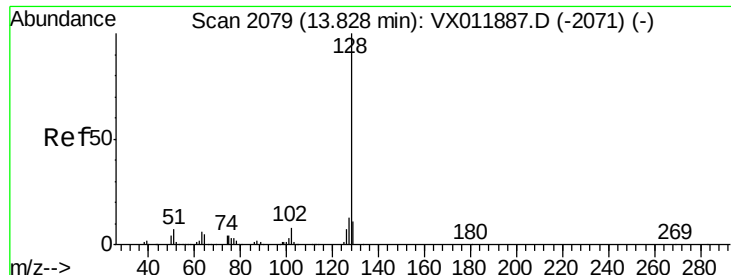


Abundance Ion 179.80 (179.50 to 180.50): VX011887.D (-2041) (-)

Ion 181.80 (181.50 to 182.50): VX011887.D (-2041) (-)

Ion 144.80 (144.50 to 145.50): VX011887.D (-2041) (-)





#95  
Naphthalene  
Concen: 3.401 ug/l  
RT: 13.82 min Scan# 2121  
Delta R.T. -0.01 min  
Lab File: VX011951.D  
Acq: 31 Aug 2019 15:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-S-B4-(0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 0.0   | 10.4  | 15.6# |
| 129     | 0.0   | 8.8   | 13.2# |

