

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020519\  
 Data File : VX007381.D  
 Acq On : 05 Feb 2019 17:11  
 Operator : JC/SP  
 Sample : PB116824ZHE#07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB116824ZHE#07

Quant Time: Feb 06 00:19:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 458028   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 713370   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 660431   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 334609   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 251678   | 51.77 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.54% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 222711   | 47.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.96%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 852784   | 49.52 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.04%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 302211   | 48.07 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.14%  |          |

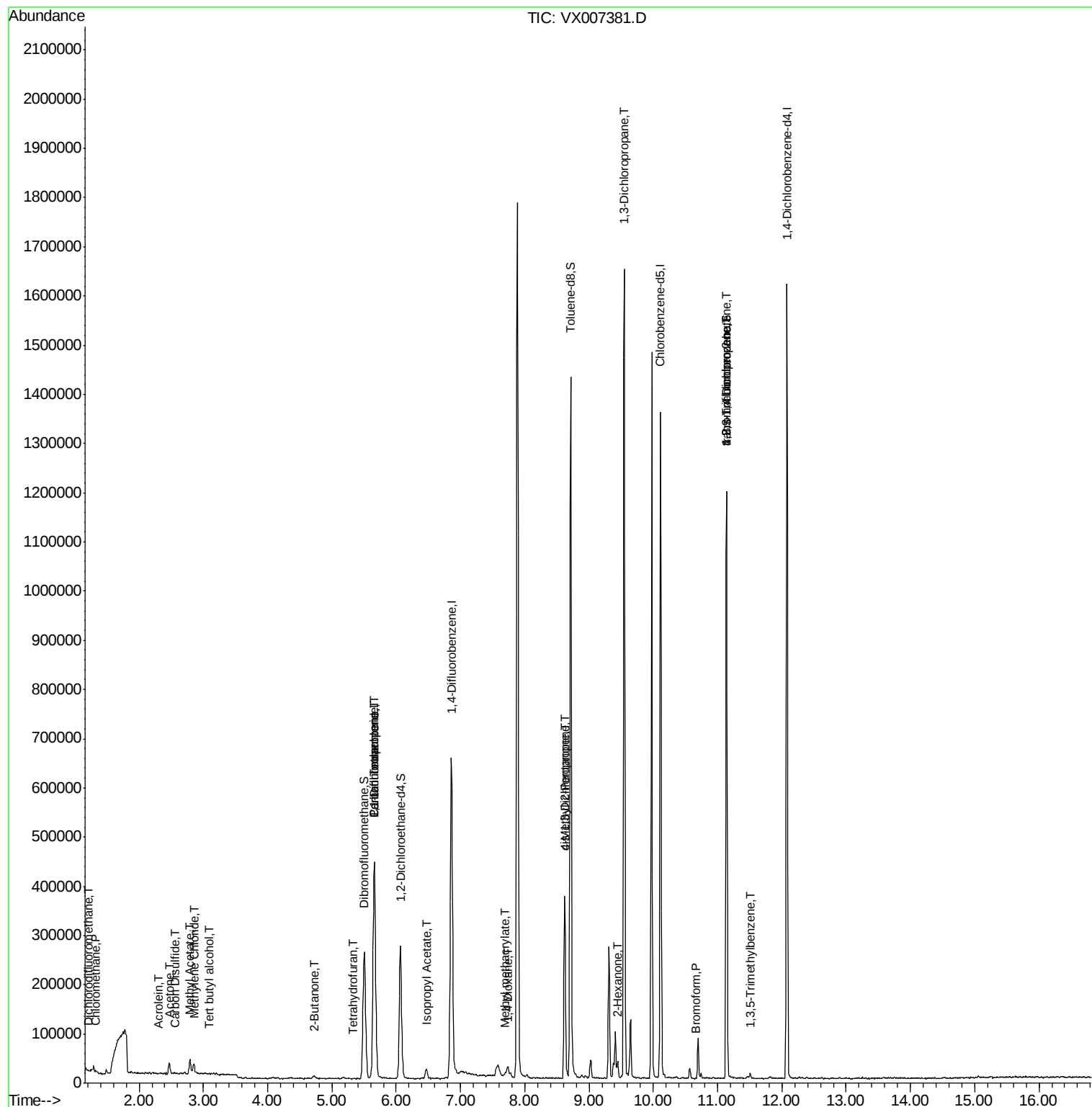
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.20  | 85   | 248      | 0.221     | ug/l # | 62     |
| 3) Chloromethane               | 1.32  | 50   | 1514     | 0.293     | ug/l # | 78     |
| 5) Bromomethane                | 1.64  | 94   | 1157     | Below Cal | #      | 46     |
| 11) Tert butyl alcohol         | 3.09  | 59   | 405      | 0.403     | ug/l # | 1      |
| 13) Acrolein                   | 2.29  | 56   | 261      | 0.553     | ug/l # | 14     |
| 16) Acetone                    | 2.47  | 43   | 25454    | 11.430    | ug/l   | 99     |
| 17) Carbon Disulfide           | 2.55  | 76   | 1618     | 2.257     | ug/l # | 89     |
| 18) Methyl Acetate             | 2.79  | 43   | 42375    | 7.810     | ug/l   | 98     |
| 20) Methylene Chloride         | 2.85  | 84   | 10470    | 1.924     | ug/l   | 93     |
| 25) 2-Butanone                 | 4.71  | 43   | 10237    | 3.230     | ug/l   | 98     |
| 29) Tetrahydrofuran            | 5.32  | 42   | 482      | 0.242     | ug/l   | 88     |
| 36) 1,1-Dichloropropene        | 5.67  | 75   | 30250    | 4.726     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 40749    | 6.562     | ug/l # | 17     |
| 43) Isopropyl Acetate          | 6.47  | 43   | 24247    | 2.428     | ug/l   | 95     |
| 48) Methyl methacrylate        | 7.70  | 41   | 13678    | 2.738     | ug/l # | 13     |
| 49) 1,4-Dioxane                | 7.74  | 88   | 94       | 7.701     | ug/l # | 25     |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 128909   | 19.608    | ug/l # | 47     |
| 54) cis-1,3-Dichloropropene    | 8.62  | 75   | 61982    | 9.018     | ug/l # | 64     |
| 57) 1,3-Dichloropropane        | 9.55  | 76   | 14602    | 1.811     | ug/l # | 46     |
| 59) 2-Hexanone                 | 9.45  | 43   | 19673    | 3.845     | ug/l # | 24     |
| 71) Bromoform                  | 10.66 | 173  | 86       | 4.048     | ug/l # | 29     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 144258   | 22.164    | ug/l # | 33     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 4000     | 0.215     | ug/l   | 96     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 144258   | 66.943    | ug/l # | 9      |

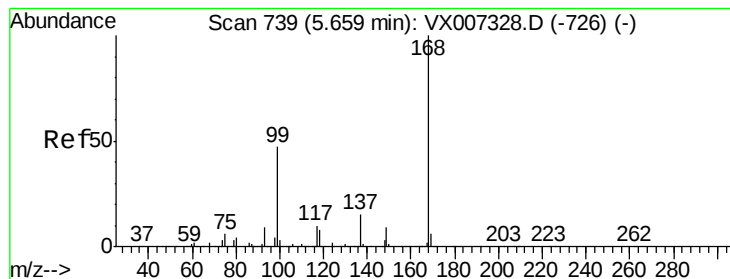
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 02 01:32:36 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

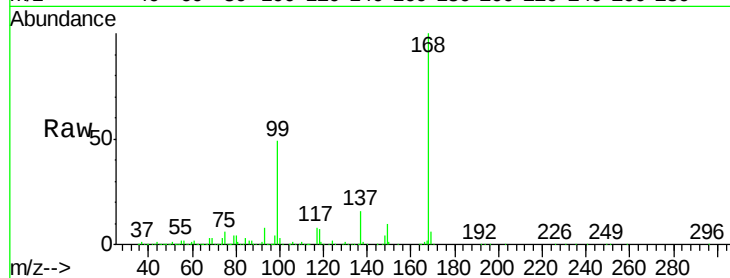
PB116824ZHE#07

Tot Ion:168 Resp: 458028

Ion Ratio Lower Upper

168 100

99 49.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

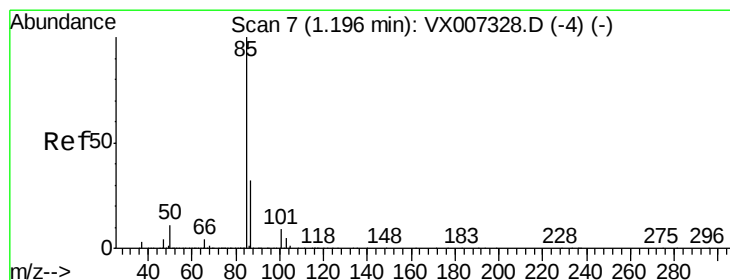
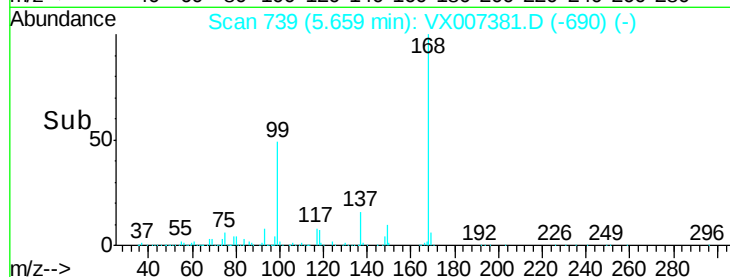
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.221 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007381.D

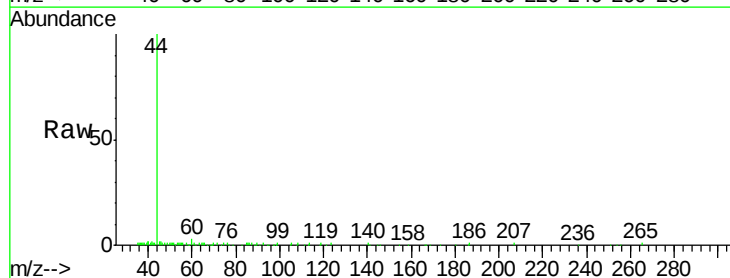
Acq: 05 Feb 2019 17:11

Tgt Ion: 85 Resp: 248

Ion Ratio Lower Upper

85 100

87 10.3 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

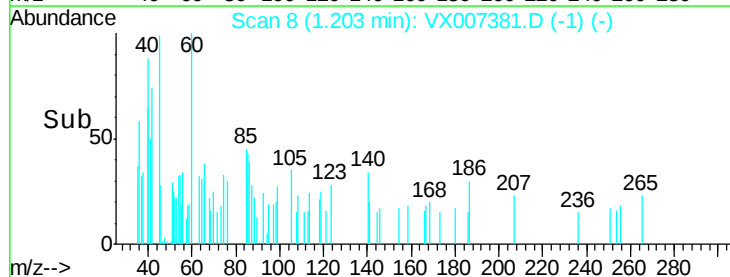
300

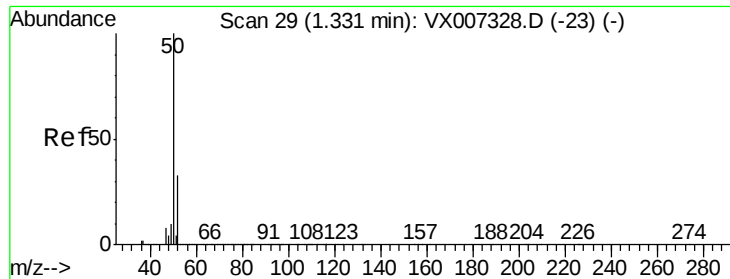
200

100

0

Time-->





#3

Chloromethane

Concen: 0.293 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

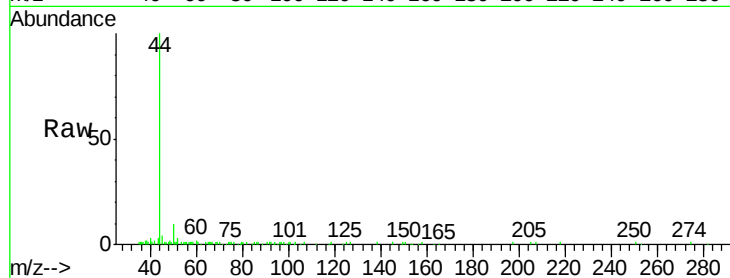
PB116824ZHE#07

Tot Ion: 50 Resp: 1514

Ion Ratio Lower Upper

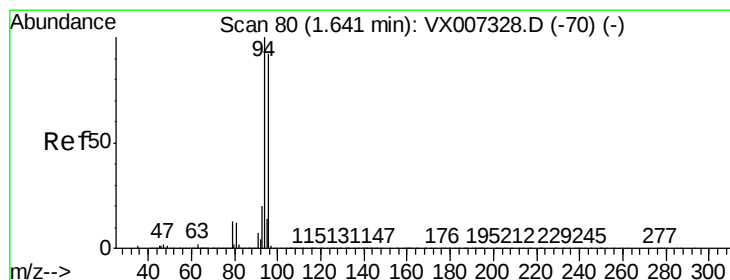
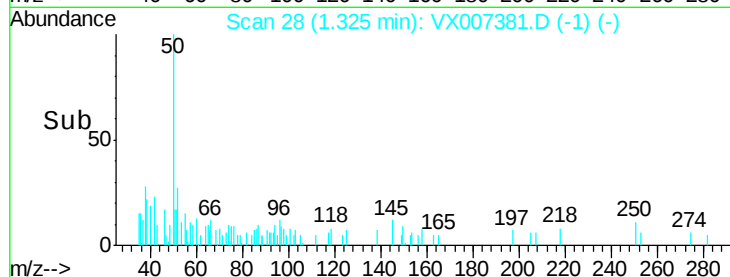
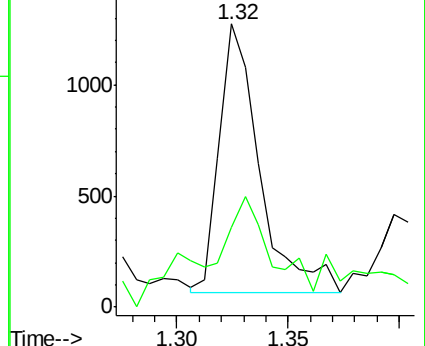
50 100

52 20.3 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007381.D

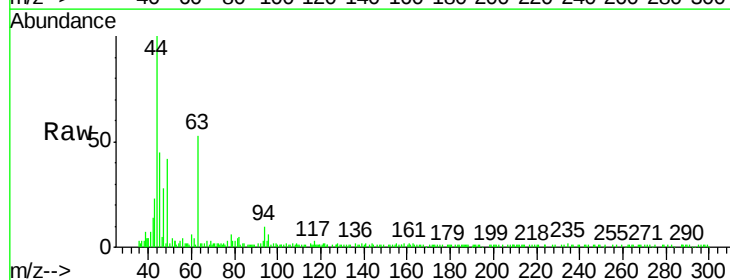
Acq: 05 Feb 2019 17:11

Tgt Ion: 94 Resp: 1157

Ion Ratio Lower Upper

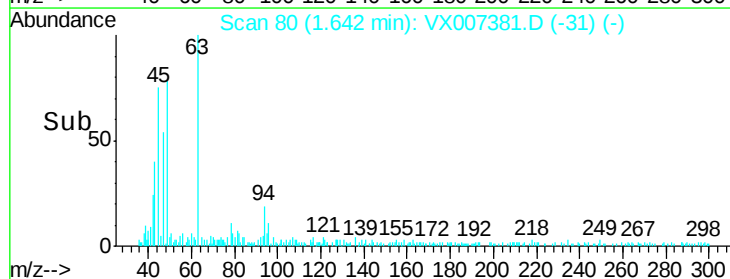
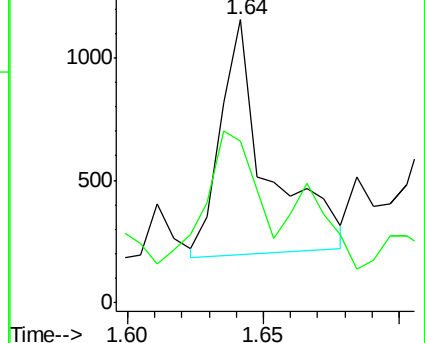
94 100

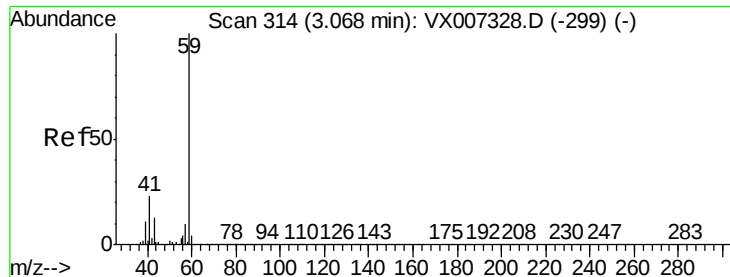
96 40.6 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

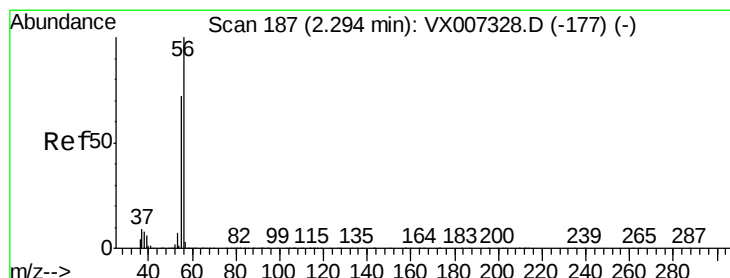
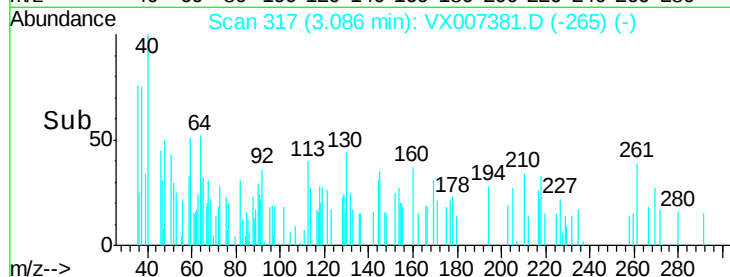
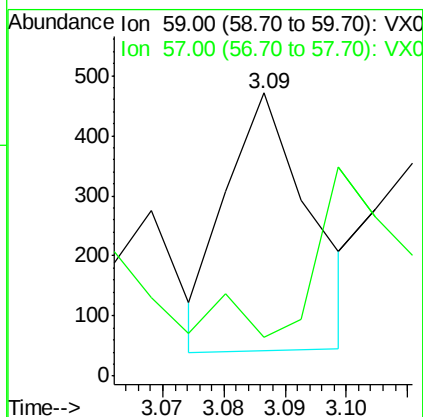
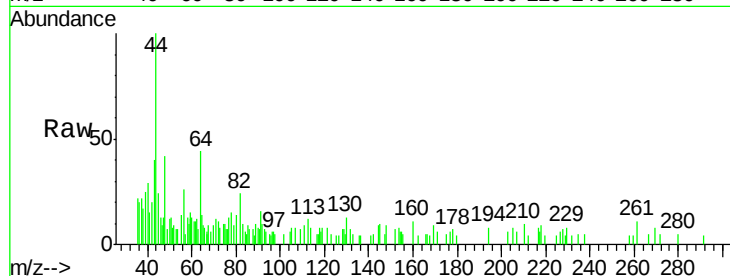




#11  
Tert butyl alcohol  
Concen: 0.403 ug/l  
RT: 3.09 min Scan# 317  
Delta R.T. 0.02 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

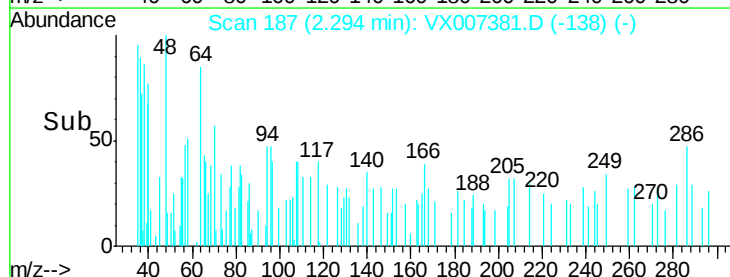
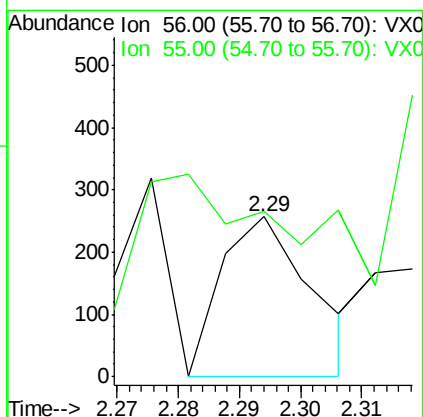
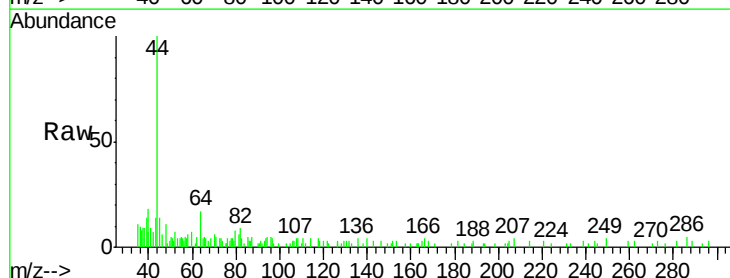
Instrument :  
MSVOA\_X  
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PB116824ZHE#07

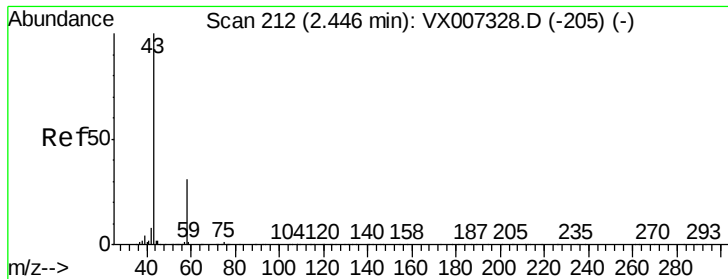
Tot Ion: 59 Resp: 405  
Ion Ratio Lower Upper  
59 100  
57 84.9 8.1 12.1#



#13  
Acrolein  
Concen: 0.553 ug/l  
RT: 2.29 min Scan# 187  
Delta R.T. 0.00 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

Tgt Ion: 56 Resp: 261  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.9 85.3#





#16

Acetone

Concen: 11.430 ug/l

RT: 2.47 min Scan# 216

Delta R.T. 0.02 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

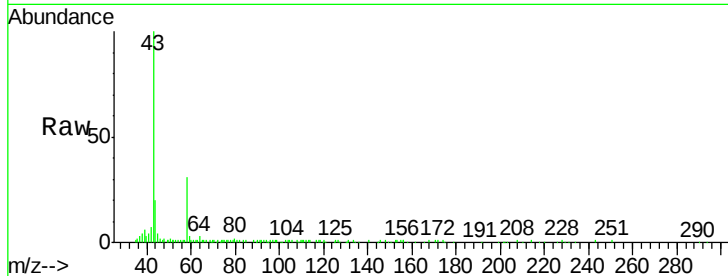
PB116824ZHE#07

Tot Ion: 43 Resp: 25454

Ion Ratio Lower Upper

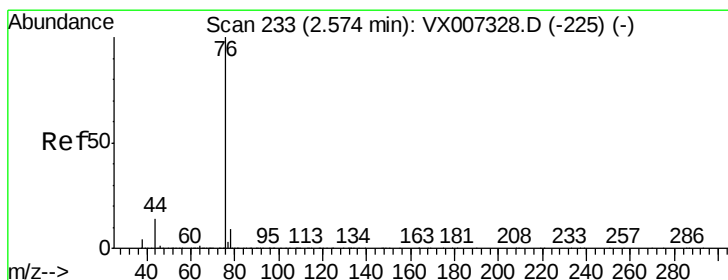
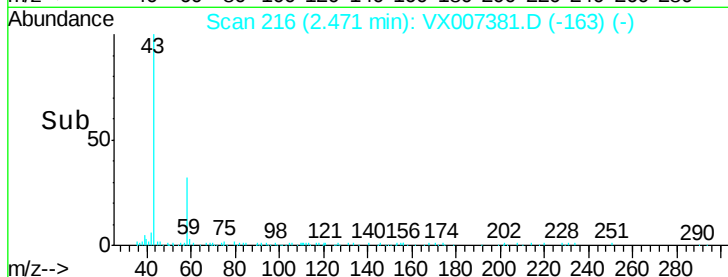
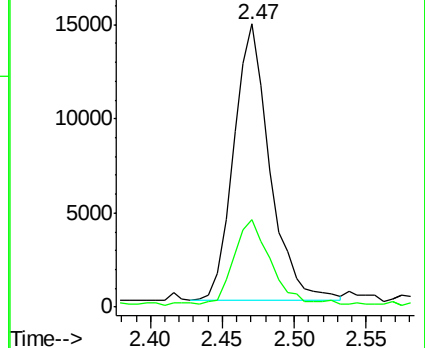
43 100

58 30.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 2.257 ug/l

RT: 2.55 min Scan# 229

Delta R.T. -0.02 min

Lab File: VX007381.D

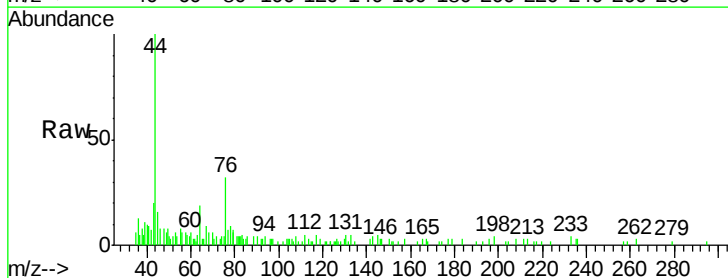
Acq: 05 Feb 2019 17:11

Tgt Ion: 76 Resp: 1618

Ion Ratio Lower Upper

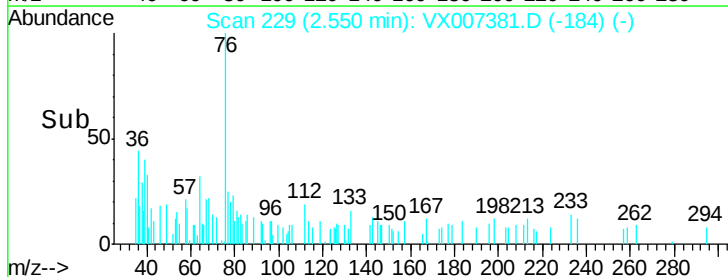
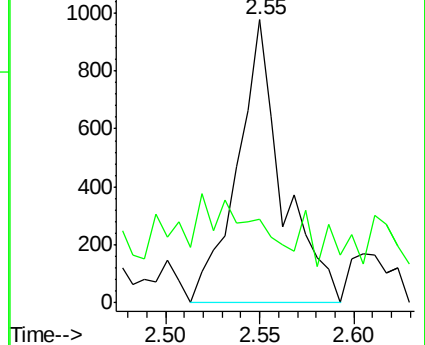
76 100

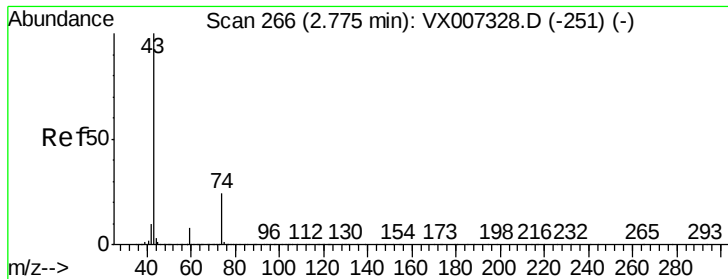
78 12.7 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

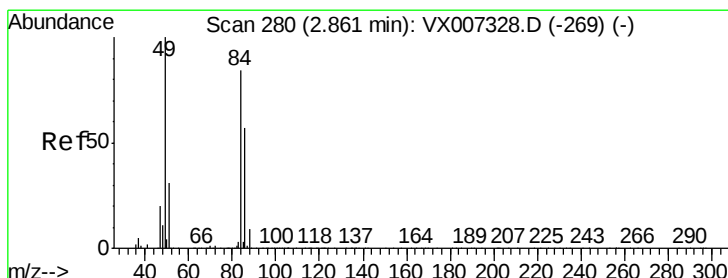
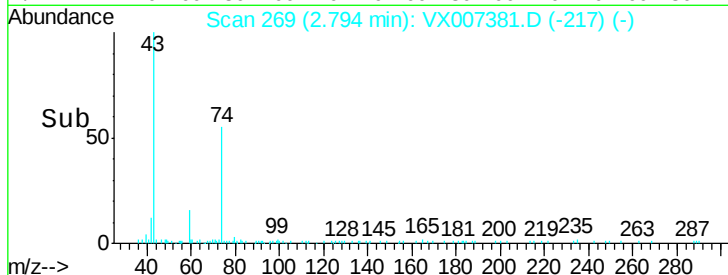
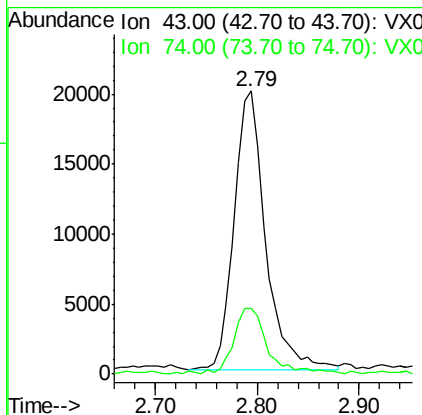
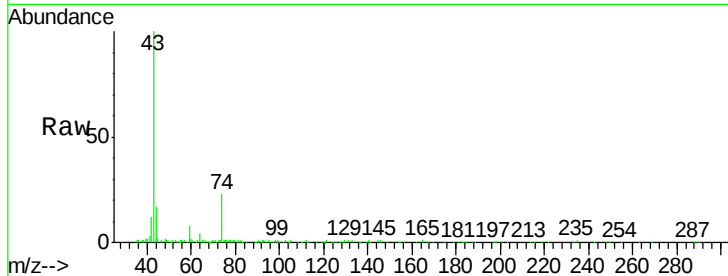




#18  
Methvl Acetate  
Concen: 7.810 ug/l  
RT: 2.79 min Scan# 269  
Delta R.T. 0.02 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

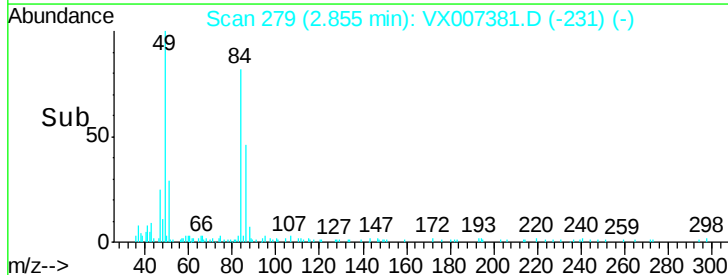
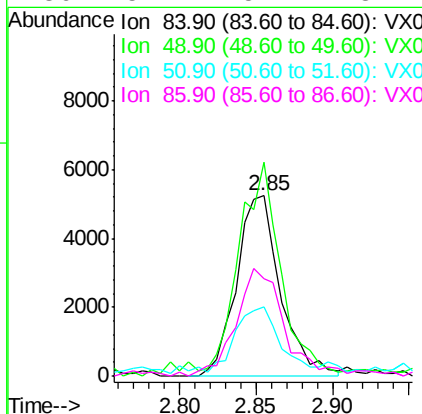
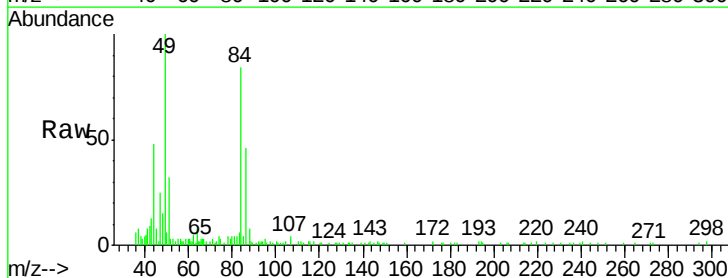
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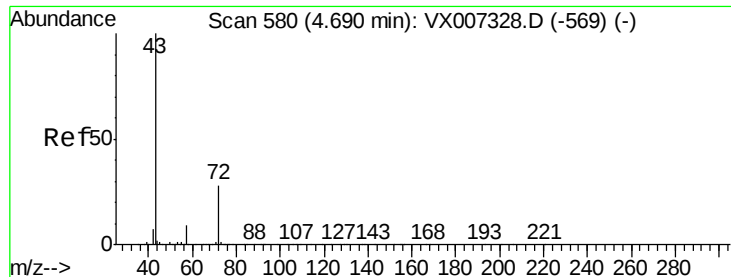
Tot Ion: 43 Resp: 42375  
Ion Ratio Lower Upper  
43 100  
74 25.5 19.4 29.2



#20  
Methylene Chloride  
Concen: 1.924 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

Tgt Ion: 84 Resp: 10470  
Ion Ratio Lower Upper  
84 100  
49 116.3 94.8 142.2  
51 35.5 29.8 44.8  
86 54.2 54.1 81.1





#25

2-Butanone

Concen: 3.230 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.02 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

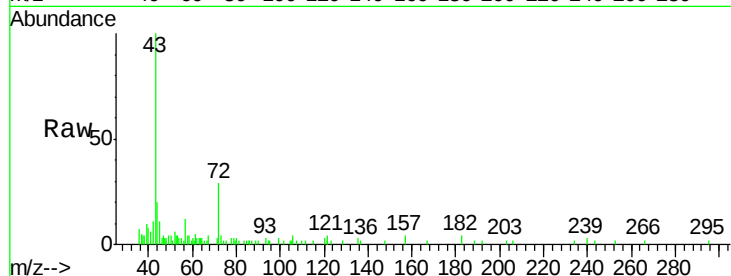
PB116824ZHE#07

Tot Ion: 43 Resp: 10237

Ion Ratio Lower Upper

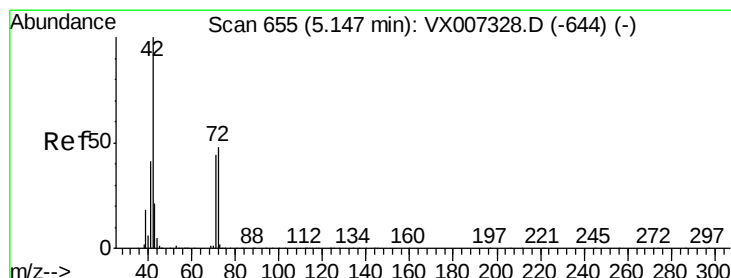
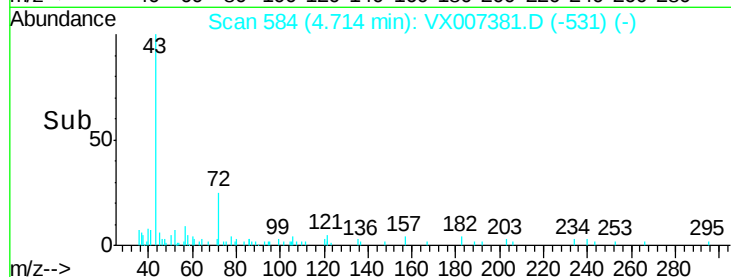
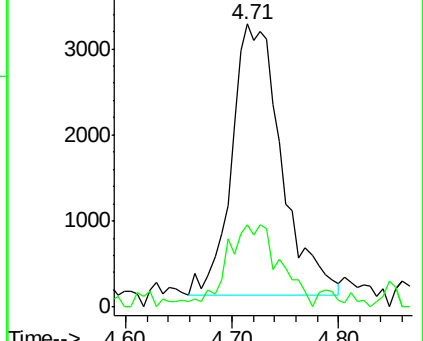
43 100

72 28.6 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 5.32 min Scan# 683

Delta R.T. 0.17 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

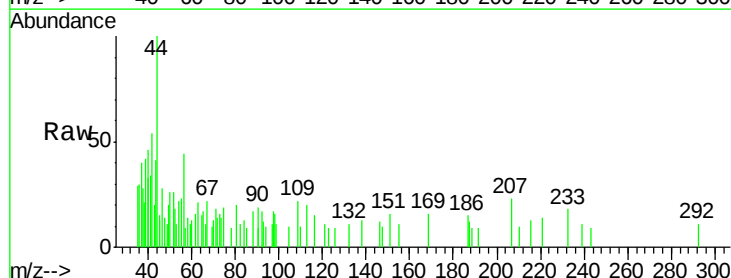
Tgt Ion: 42 Resp: 482

Ion Ratio Lower Upper

42 100

72 39.6 37.6 56.4

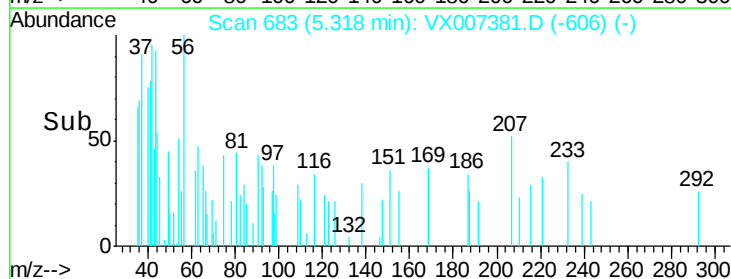
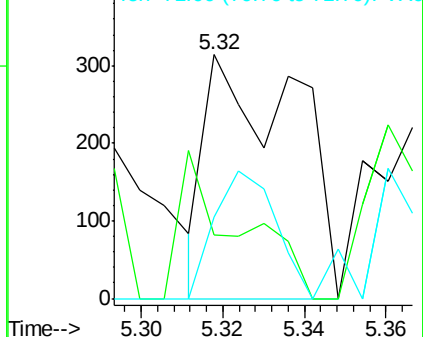
71 35.5 34.6 51.8

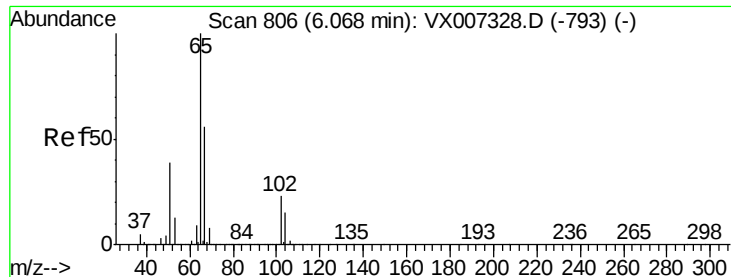


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.769 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

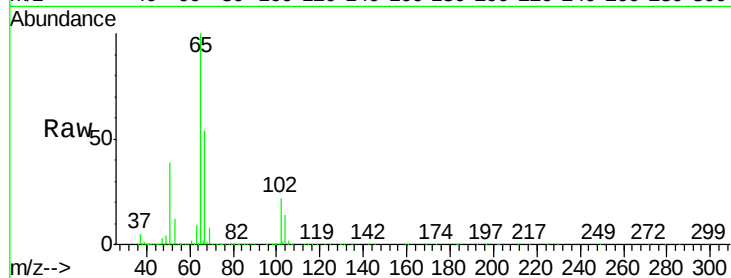
PB116824ZHE#07

Tot Ion: 65 Resp: 251678

Ion Ratio Lower Upper

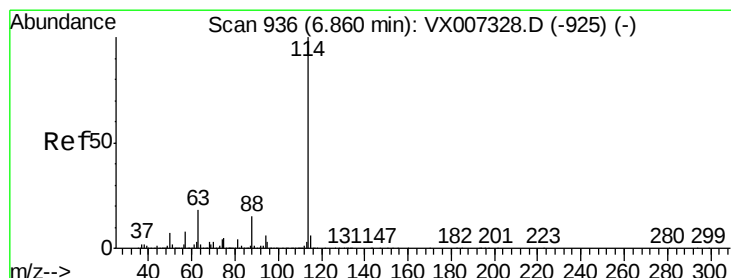
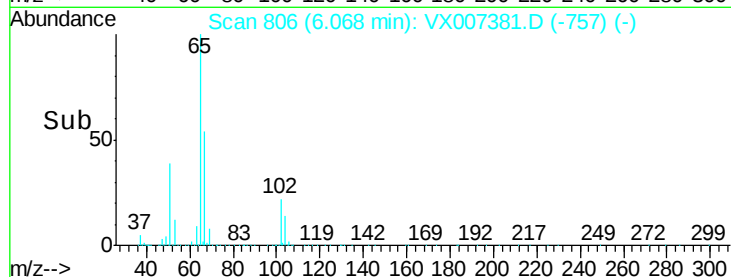
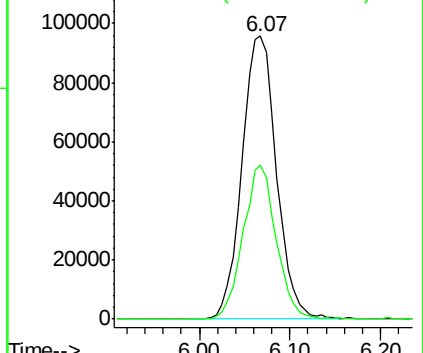
65 100

67 52.2 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

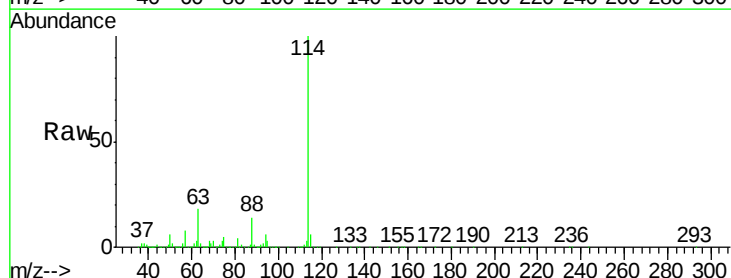
Tgt Ion: 114 Resp: 713370

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

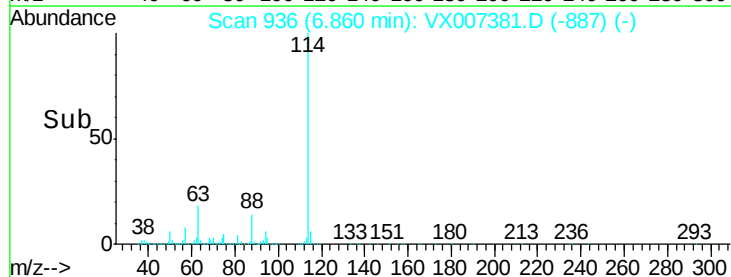
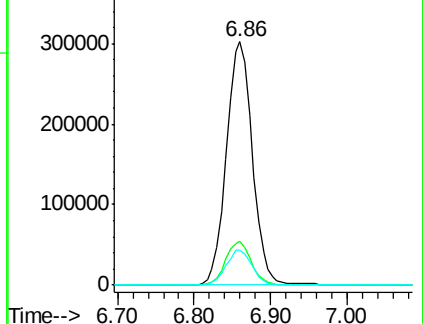
88 14.2 0.0 29.6

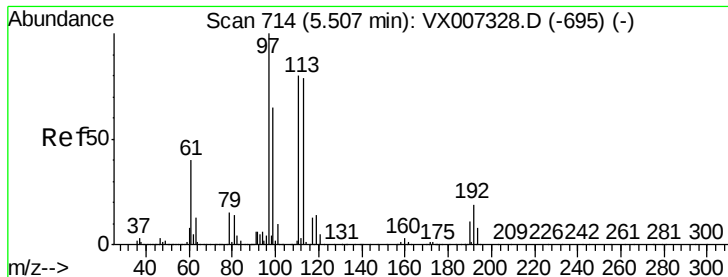


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.981 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB116824ZHE#07

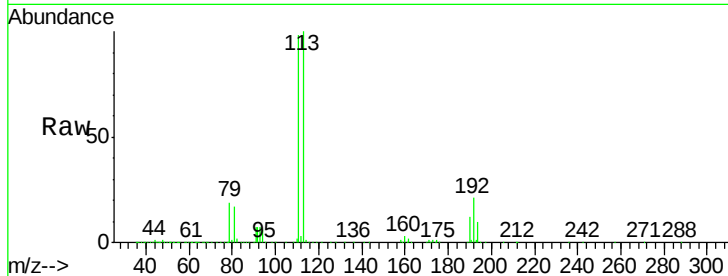
Tot Ion:113 Resp: 222711

Ion Ratio Lower Upper

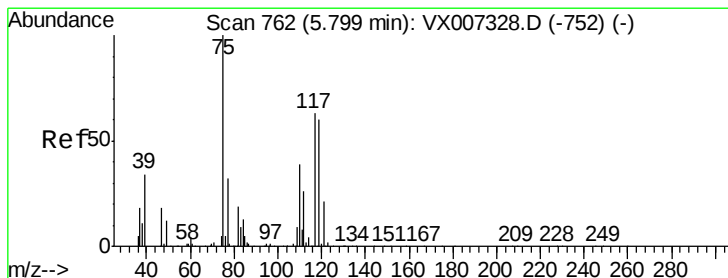
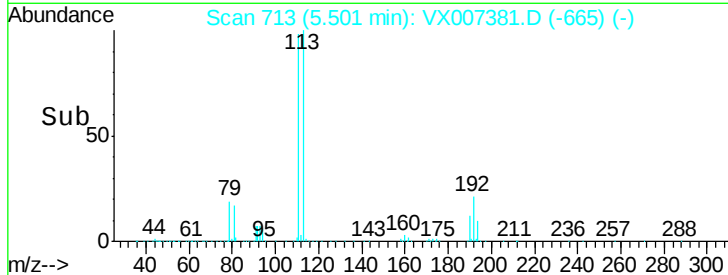
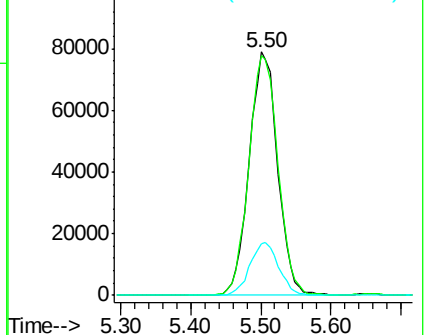
113 100

111 101.1 81.8 122.8

192 22.2 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.726 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

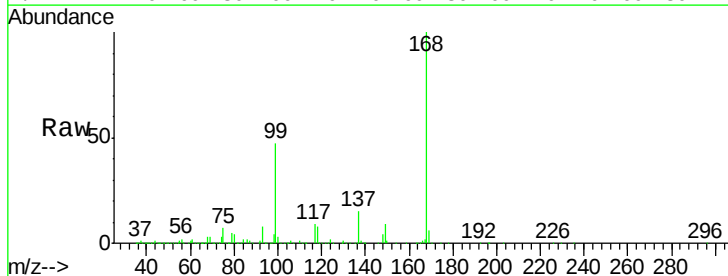
Tgt Ion: 75 Resp: 30250

Ion Ratio Lower Upper

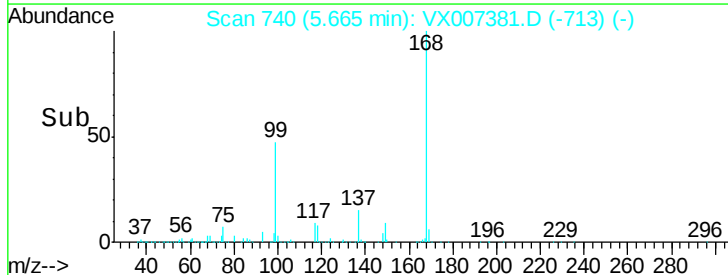
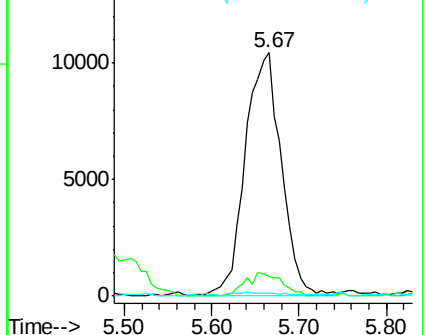
75 100

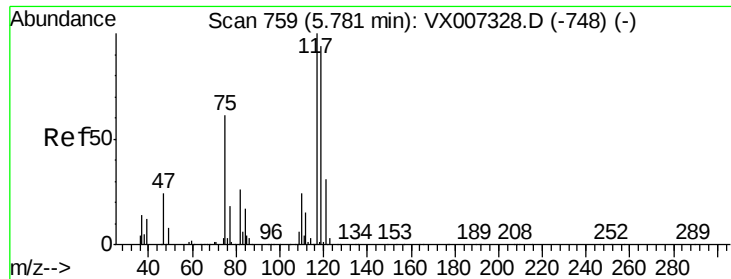
110 9.6 20.0 59.9#

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.562 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

PB116824ZHE#07

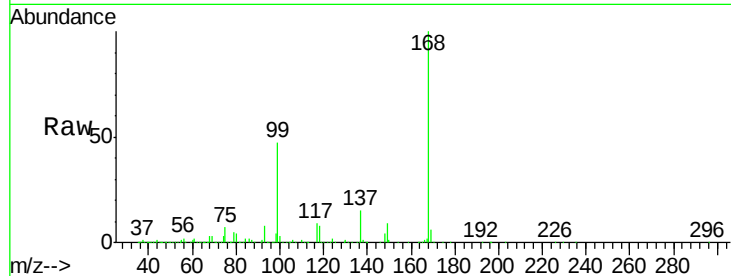
Tot Ion:117 Resp: 40749

Ion Ratio Lower Upper

117 100

119 5.1 75.3 112.9#

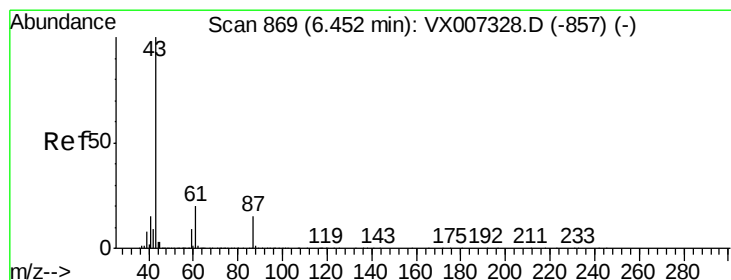
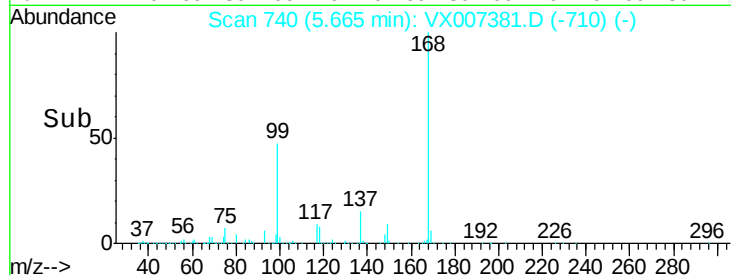
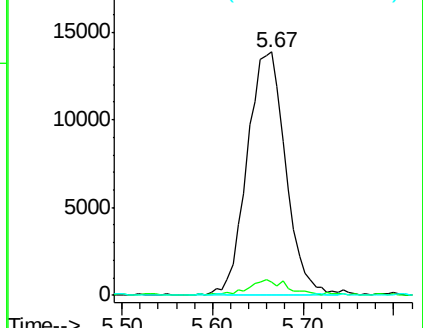
121 0.0 25.0 37.4#



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: 2.428 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.02 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

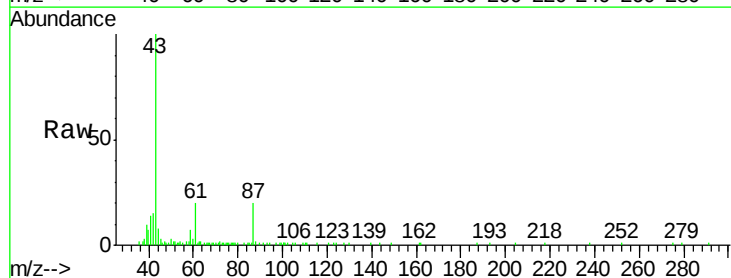
Tgt Ion: 43 Resp: 24247

Ion Ratio Lower Upper

43 100

61 22.4 16.1 24.1

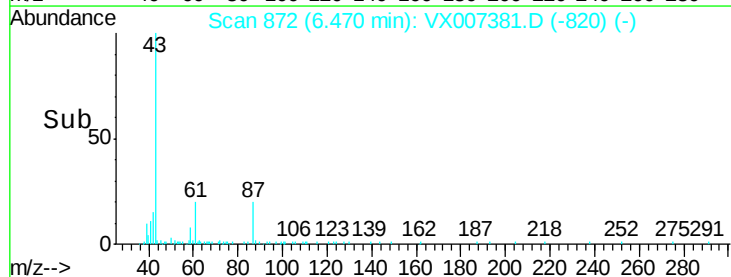
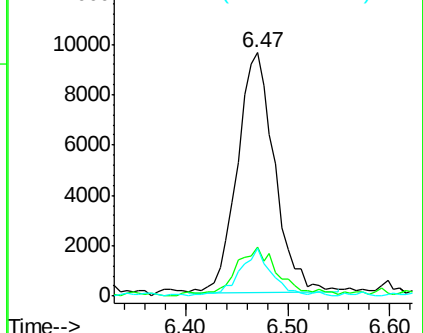
87 16.9 11.5 17.3

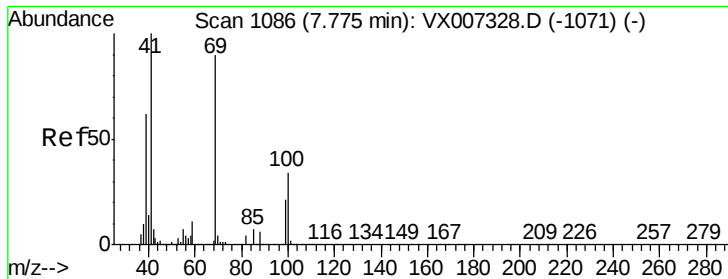


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 2.738 ug/l

RT: 7.70 min Scan# 1074

Delta R.T. -0.07 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

PB116824ZHE#07

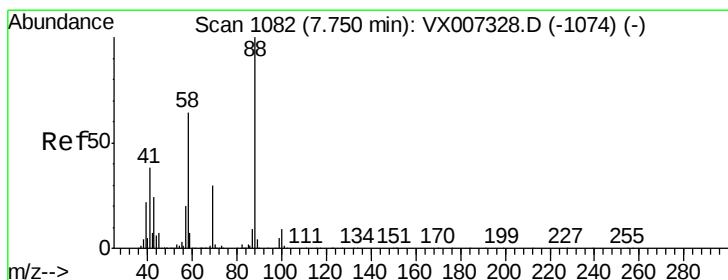
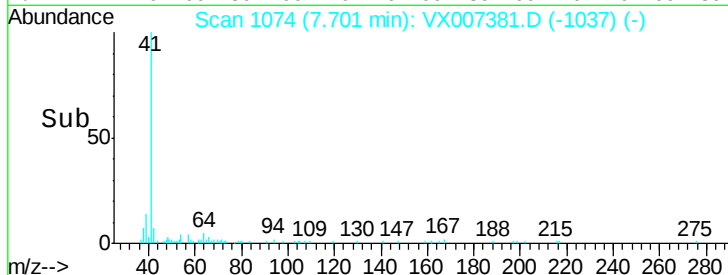
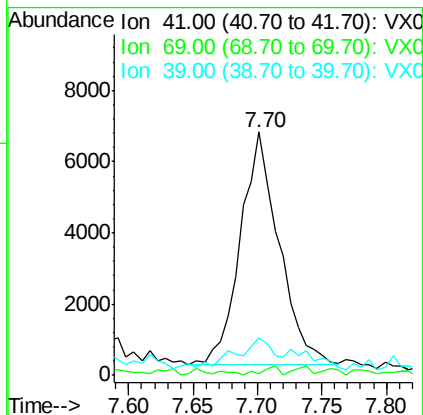
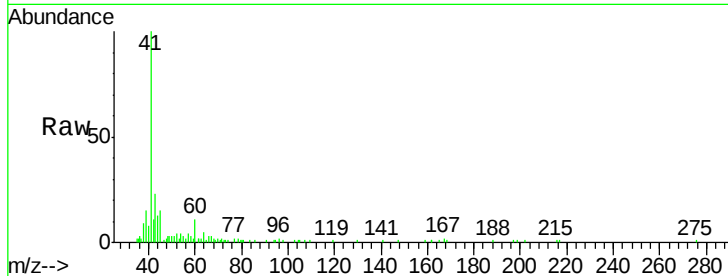
Tot Ion: 41 Resp: 13678

Ion Ratio Lower Upper

41 100

69 1.6 70.2 105.4#

39 0.0 47.4 71.0#



#49

1,4-Dioxane

Concen: 7.701 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

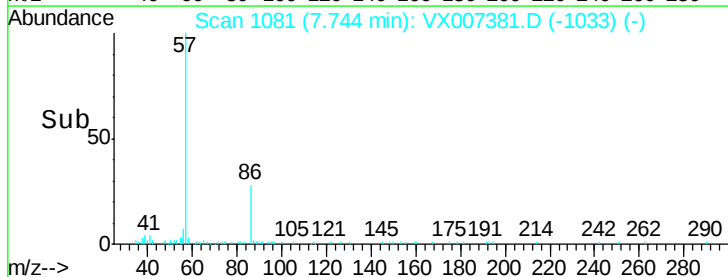
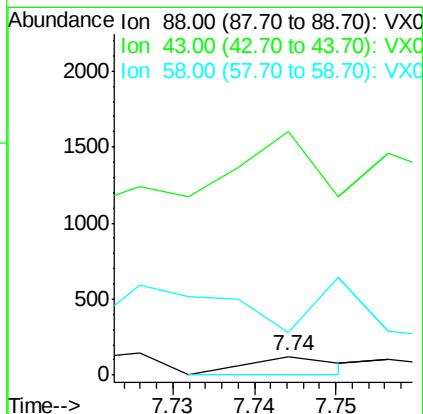
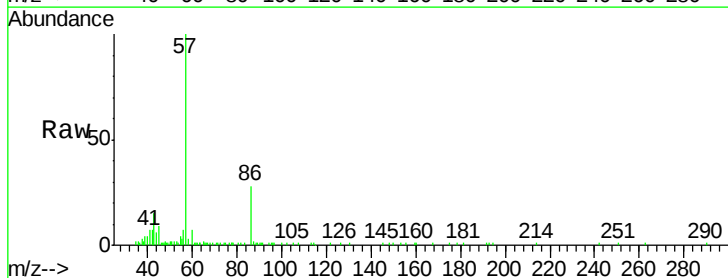
Tgt Ion: 88 Resp: 94

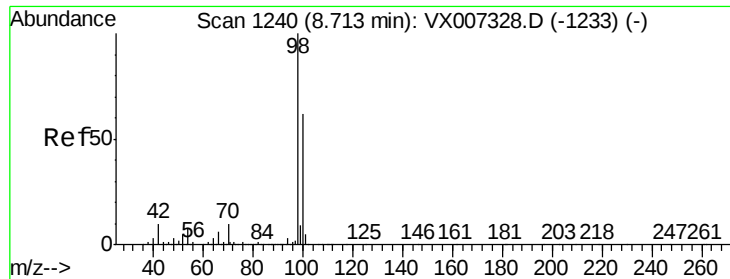
Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

58 0.0 53.0 79.4#





#50

Toluene-d8

Concen: 49.519 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

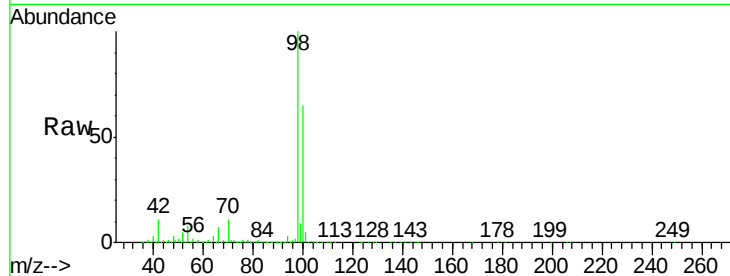
PB116824ZHE#07

Tot Ion: 98 Resp: 852784

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

600000

500000

400000

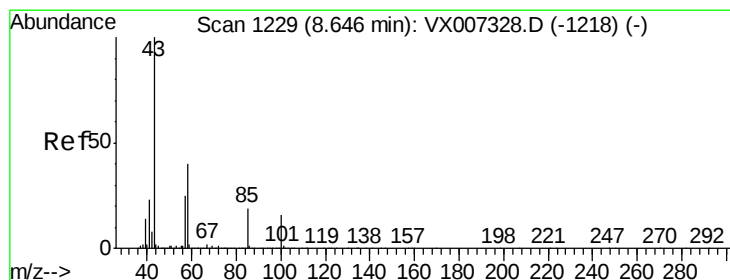
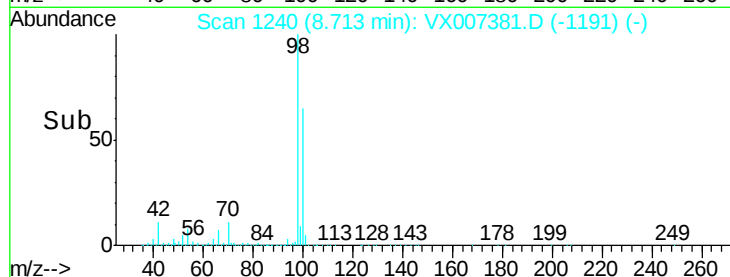
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#51

4-Methyl-2-Pentanone

Concen: 19.608 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX007381.D

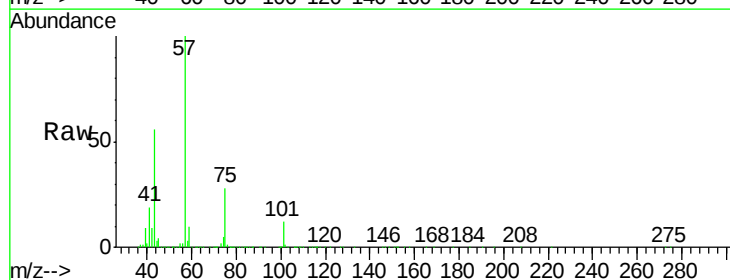
Acq: 05 Feb 2019 17:11

Tgt Ion: 43 Resp: 128909

Ion Ratio Lower Upper

43 100

58 6.6 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

80000

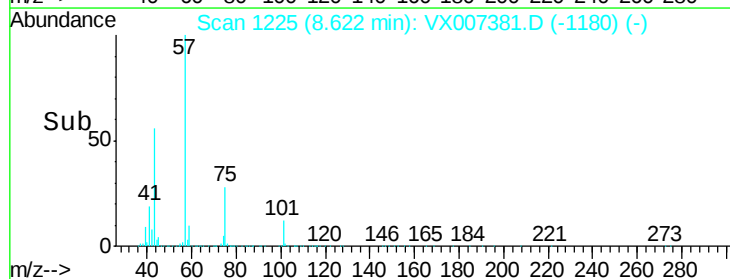
60000

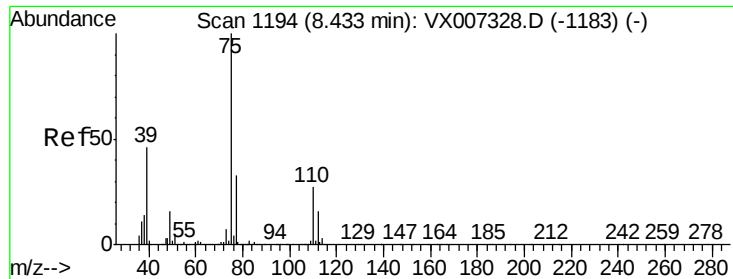
40000

20000

0

Time--> 8.50 8.55 8.60 8.65 8.70





#54

cis-1,3-Dichloropropene

Concen: 9.018 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.19 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

PB116824ZHE#07

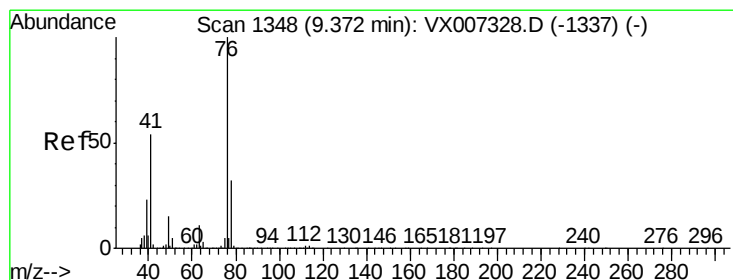
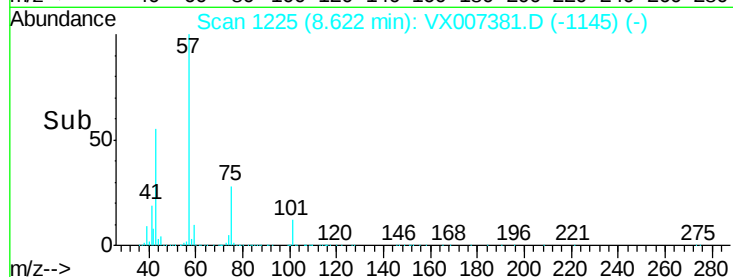
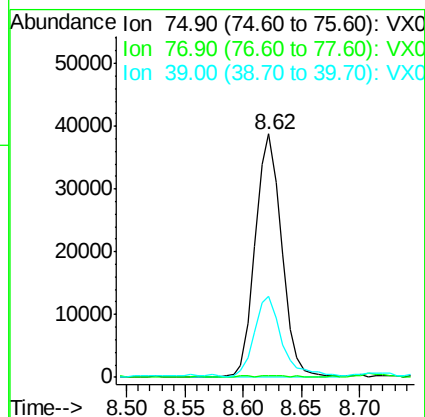
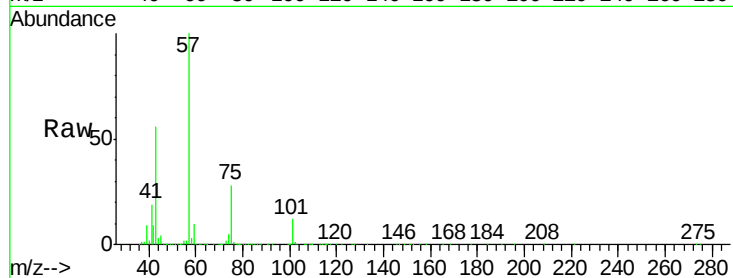
Tot Ion: 75 Resp: 61982

Ion Ratio Lower Upper

75 100

77 0.8 26.2 39.4#

39 32.6 37.1 55.7#



#57

1,3-Dichloropropane

Concen: 1.811 ug/l

RT: 9.55 min Scan# 1377

Delta R.T. 0.18 min

Lab File: VX007381.D

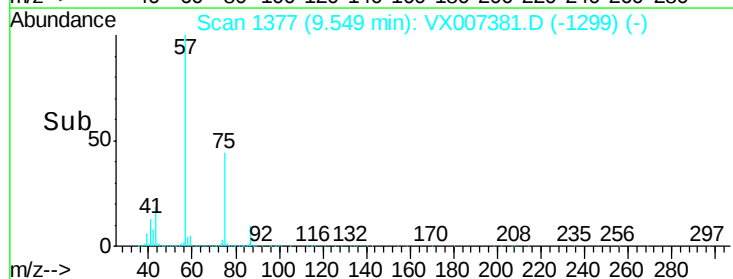
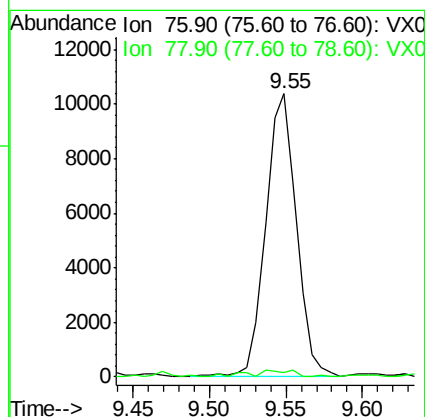
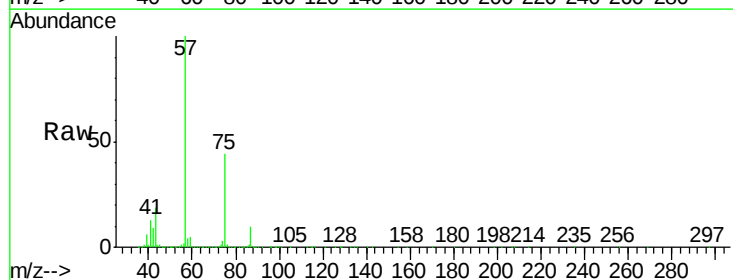
Acq: 05 Feb 2019 17:11

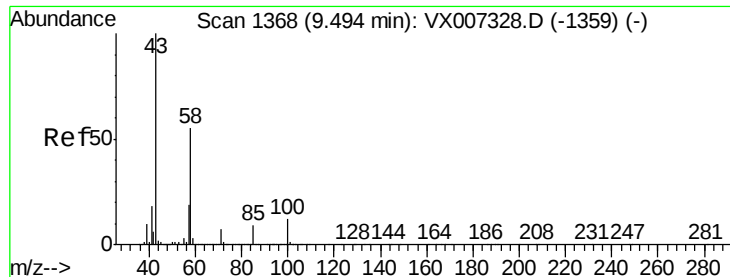
Tgt Ion: 76 Resp: 14602

Ion Ratio Lower Upper

76 100

78 2.1 25.8 38.8#

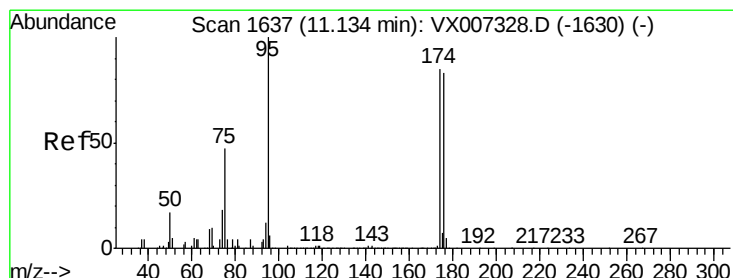
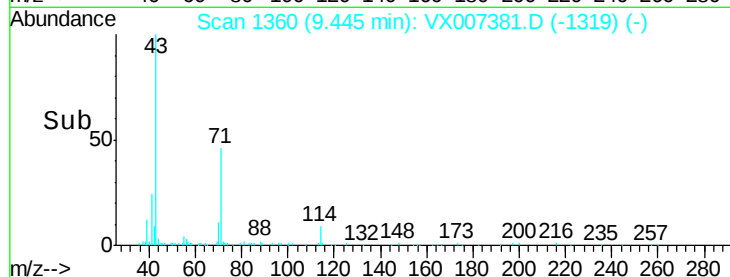
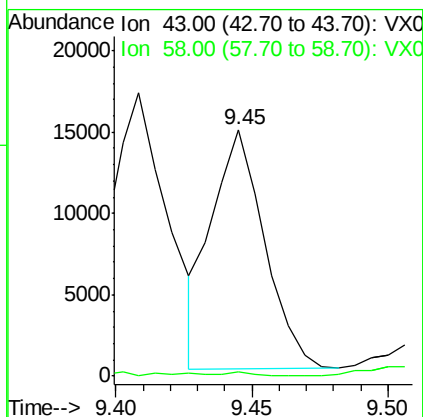
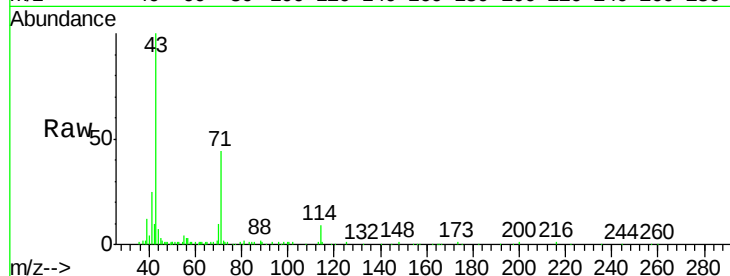




#59  
2-Hexanone  
Concen: 3.845 ug/l  
RT: 9.45 min Scan# 1360  
Delta R.T. -0.05 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

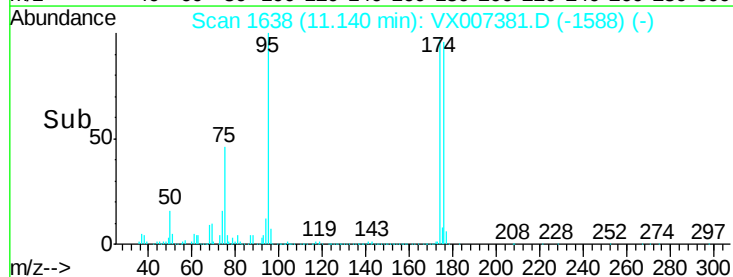
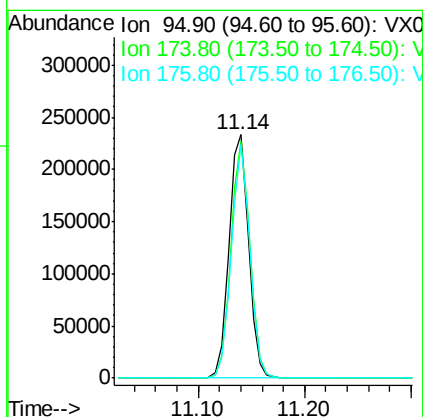
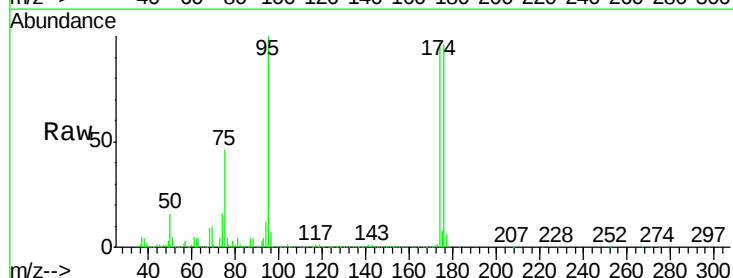
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB116824ZHE#07

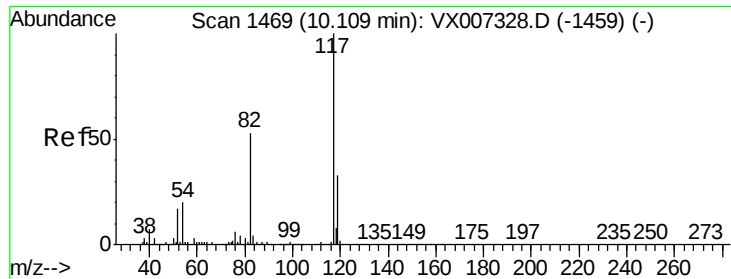
Tot Ion: 43 Resp: 19673  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.1 81.3#



#62  
4-Bromofluorobenzene  
Concen: 48.065 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.01 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

Tgt Ion: 95 Resp: 302211  
Ion Ratio Lower Upper  
95 100  
174 94.7 0.0 189.2  
176 91.0 0.0 186.2

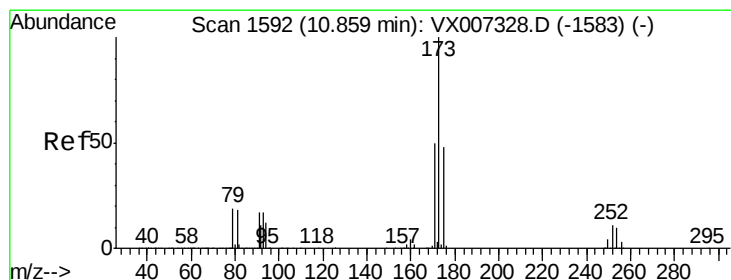
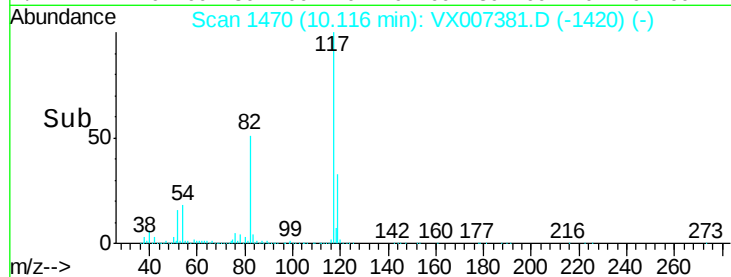
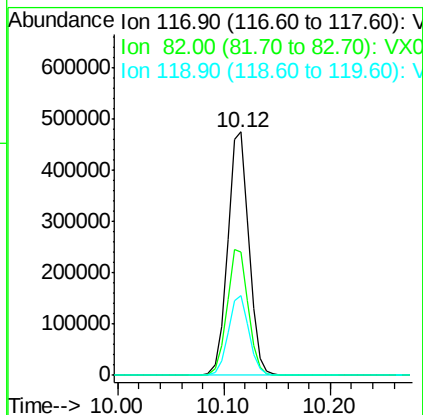
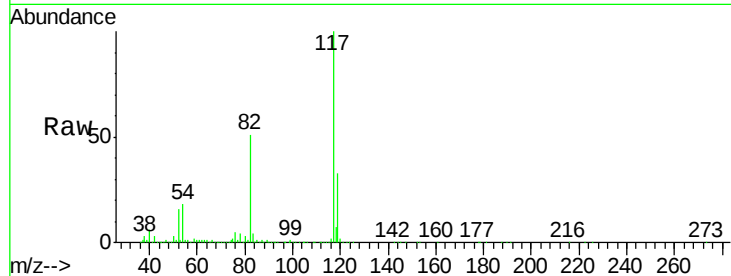




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

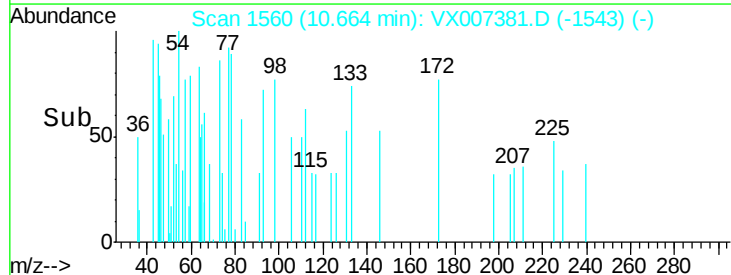
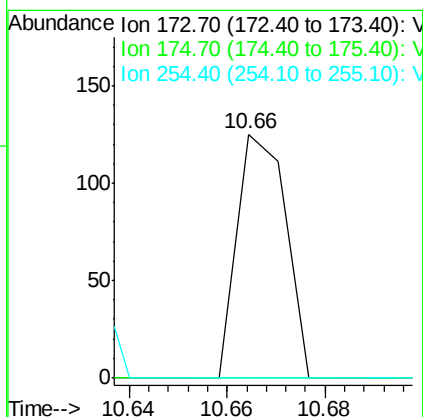
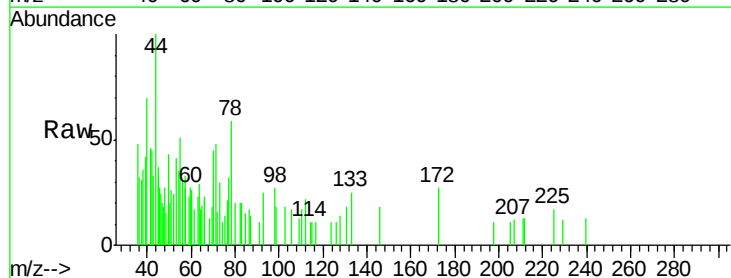
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB116824ZHE#07

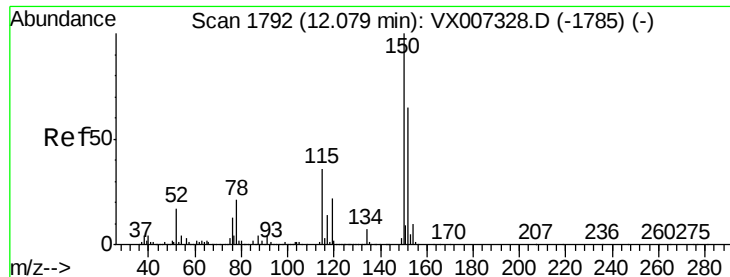
Tot Ion:117 Resp: 660431  
Ion Ratio Lower Upper  
117 100  
82 50.8 42.1 63.1  
119 32.8 26.5 39.7



#71  
Bromoform  
Concen: 4.048 ug/l  
RT: 10.66 min Scan# 1560  
Delta R.T. -0.19 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

Tgt Ion:173 Resp: 86  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.2 72.6#  
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

PB116824ZHE#07

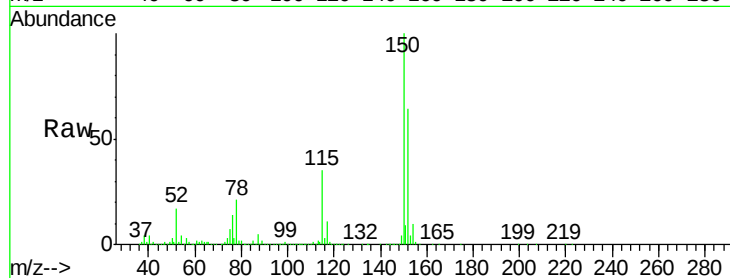
Tot Ion:152 Resp: 334609

Ion Ratio Lower Upper

152 100

115 55.1 38.0 114.0

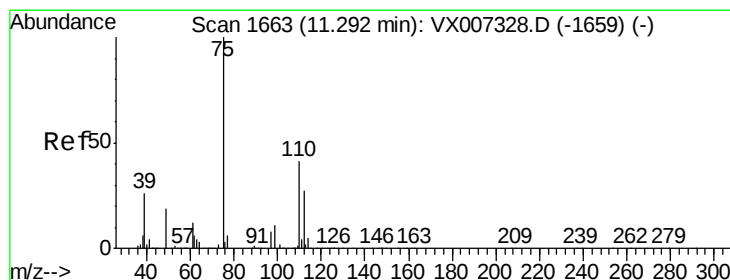
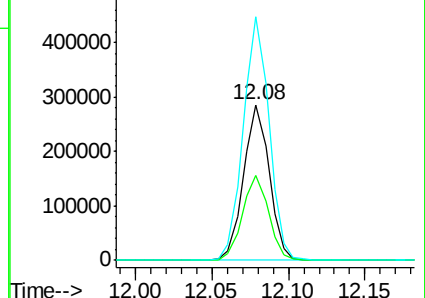
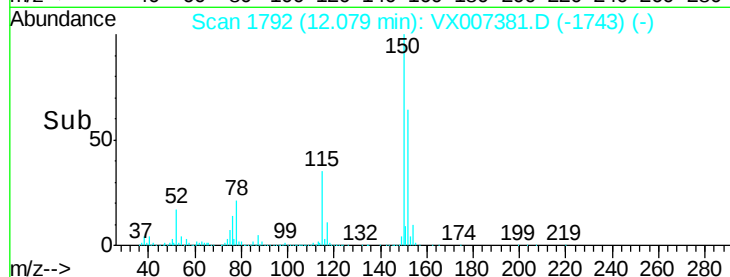
150 157.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.164 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX007381.D

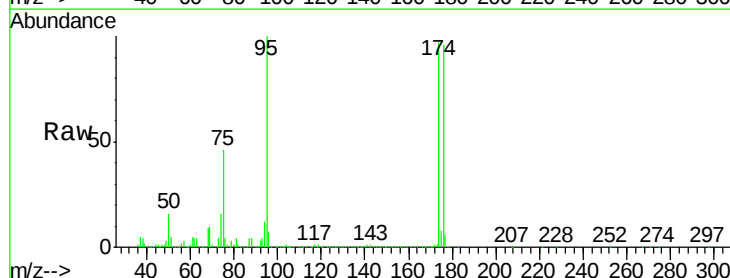
Acq: 05 Feb 2019 17:11

Tgt Ion: 75 Resp: 144258

Ion Ratio Lower Upper

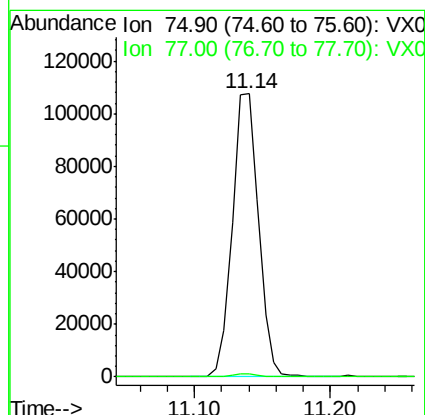
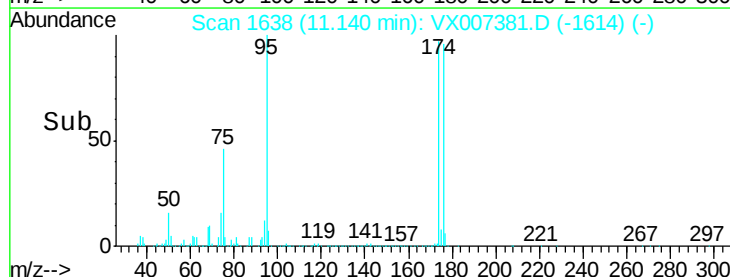
75 100

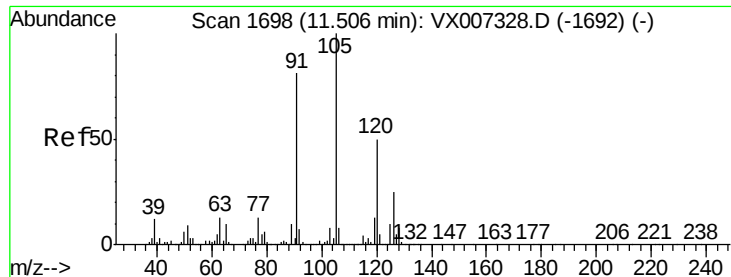
77 1.5 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.215 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

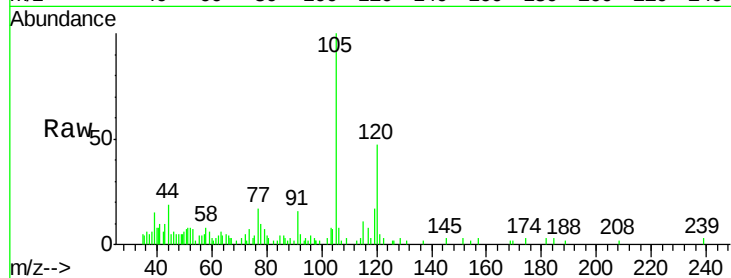
PB116824ZHE#07

Tot Ion:105 Resp: 4000

Ion Ratio Lower Upper

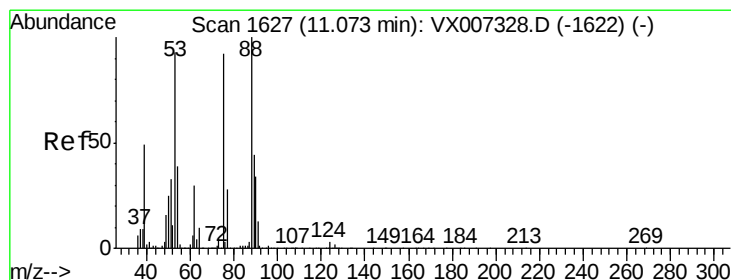
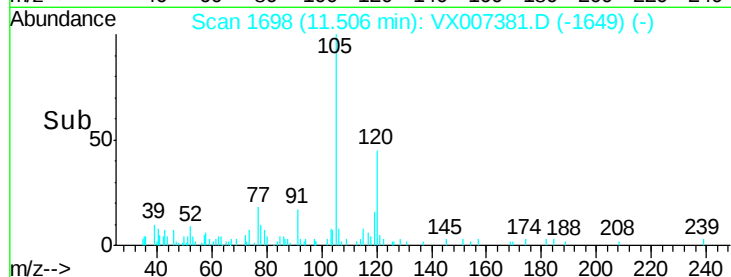
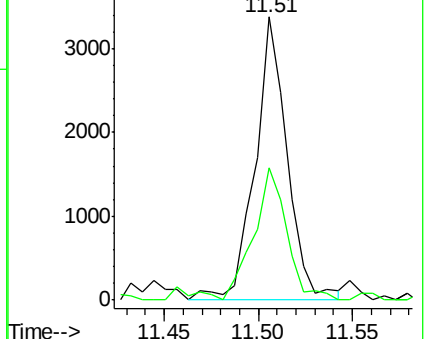
105 100

120 48.1 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 66.943 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

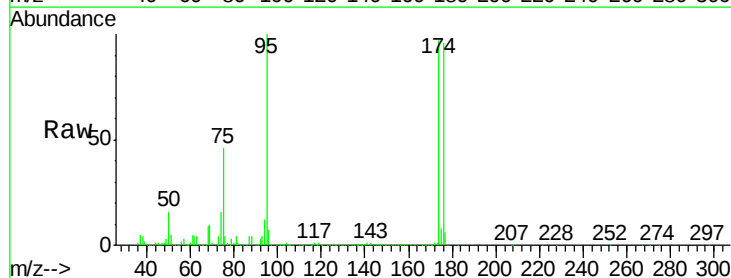
Tgt Ion: 75 Resp: 144258

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 41.4 62.0#



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

