

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\  
 Data File : VX012559.D  
 Acq On : 20 Sep 2019 15:58  
 Operator : JC/SP  
 Sample : K4830-04DL 40X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0272DL

Quant Time: Sep 21 01:34:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091719W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 17 15:27:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 185771   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 294198   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 247927   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 100982   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 124446   | 46.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.48%  |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 86893    | 48.80 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.60%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 343732   | 52.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.30% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 122045   | 44.60 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.20%  |          |

| Target Compounds              | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|-------|------|----------|-----------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.16  | 85   | 80       | 0.455     | ug/l # | 43     |
| 3) Chloromethane              | 1.32  | 50   | 285      | 0.279     | ug/l # | 76     |
| 5) Bromomethane               | 1.64  | 94   | 413      | 0.952     | ug/l # | 32     |
| 6) Chloroethane               | 1.73  | 64   | 437      | 0.506     | ug/l # | 45     |
| 10) Methyl Iodide             | 2.50  | 142  | 332      | 4.683     | ug/l # | 90     |
| 13) Acrolein                  | 2.31  | 56   | 134      | Below Cal | #      | 15     |
| 15) Acrylonitrile             | 3.16  | 53   | 1084     | 0.940     | ug/l # | 17     |
| 16) Acetone                   | 2.44  | 43   | 921      | Below Cal | #      | 17     |
| 17) Carbon Disulfide          | 2.56  | 76   | 304      | 1.984     | ug/l # | 1      |
| 18) Methyl Acetate            | 2.84  | 43   | 4853     | 1.749     | ug/l # | 54     |
| 20) Methylene Chloride        | 2.84  | 84   | 537      | 0.333     | ug/l # | 49     |
| 31) Cyclohexane               | 5.58  | 56   | 36934    | 20.085    | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 5.65  | 75   | 15572    | 8.709     | ug/l # | 53     |
| 38) Carbon Tetrachloride      | 5.65  | 117  | 19860    | 8.931     | ug/l # | 17     |
| 39) Methylcyclohexane         | 7.46  | 83   | 59063    | 33.980    | ug/l   | 93     |
| 40) Benzene                   | 6.14  | 78   | 1842     | 0.324     | ug/l   | 96     |
| 43) Isopropyl Acetate         | 6.45  | 43   | 1381     | 0.280     | ug/l # | 62     |
| 44) Trichloroethene           | 7.21  | 130  | 300      | 0.201     | ug/l   | 81     |
| 45) 1,2-Dichloropropane       | 7.46  | 63   | 929      | 0.532     | ug/l # | 1      |
| 48) Methyl methacrylate       | 7.73  | 41   | 3843     | 1.655     | ug/l # | 57     |
| 49) 1,4-Dioxane               | 7.50  | 88   | 40       | 0.708     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone      | 8.65  | 43   | 1436     | 0.445     | ug/l # | 53     |
| 55) 1,1,2-Trichloroethane     | 9.16  | 97   | 4897     | 2.594     | ug/l # | 18     |
| 56) Ethyl methacrylate        | 9.17  | 69   | 1308     | 0.443     | ug/l # | 4      |
| 59) 2-Hexanone                | 9.44  | 43   | 4259     | 1.690     | ug/l # | 35     |
| 64) Tetrachloroethene         | 9.34  | 164  | 458      | 0.403     | ug/l # | 65     |
| 67) Ethyl Benzene             | 10.25 | 91   | 68694    | 9.771     | ug/l   | 98     |
| 68) m/p-Xylenes               | 10.36 | 106  | 1394     | 0.545     | ug/l   | 93     |
| 73) Isopropylbenzene          | 11.01 | 105  | 25101    | 3.962     | ug/l   | 98     |
| 74) N-amyl acetate            | 10.90 | 43   | 1462     | 0.429     | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane | 11.27 | 83   | 1170     | 0.471     | ug/l # | 40     |
| 76) 1,2,3-Trichloropropane    | 11.14 | 75   | 62637    | 27.003    | ug/l # | 39     |
| 78) n-propylbenzene           | 11.35 | 91   | 34467    | 4.881     | ug/l   | 98     |
| 79) 2-Chlorotoluene           | 11.35 | 91   | 34467    | 7.502     | ug/l # | 42     |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0272DL

Quant Time: Sep 21 01:34:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091719W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 17 15:27:10 2019  
 Response via : Initial Calibration

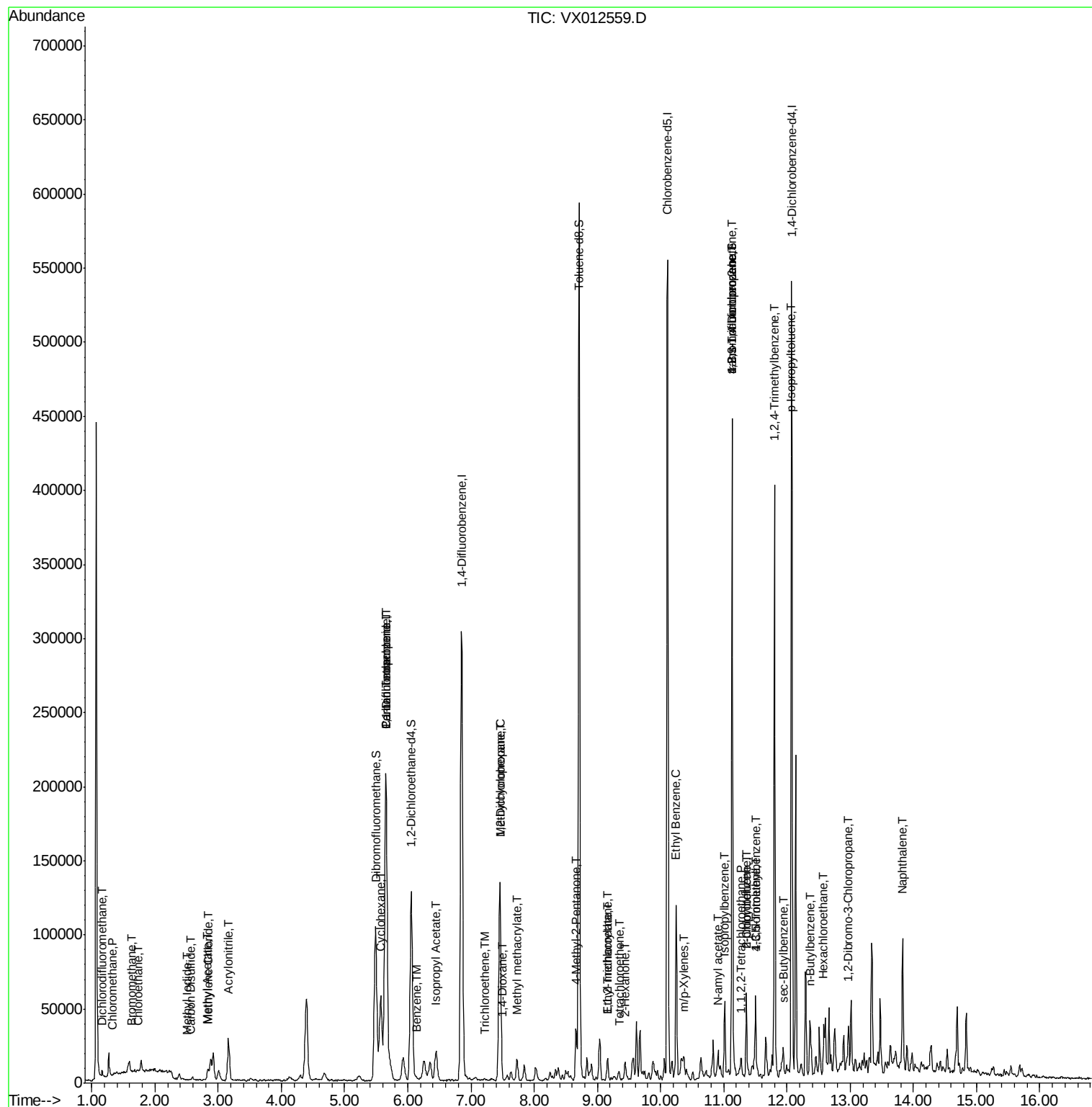
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 21249    | 3.932  | uq/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 62637    | 72.639 | uq/l # | 8        |
| 82) 4-Chlorotoluene            | 11.50 | 91   | 2971     | 0.563  | uq/l # | 54       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 171797   | 30.964 | uq/l   | 97       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 6965     | 1.092  | uq/l   | 91       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 5008     | 0.855  | uq/l   | 90       |
| 89) n-Butylbenzene             | 12.38 | 91   | 6426     | 1.229  | uq/l # | 53       |
| 90) Hexachloroethane           | 12.58 | 117  | 1561     | 1.453  | uq/l # | 17       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 134      | 0.208  | uq/l # | 4        |
| 95) Naphthalene                | 13.83 | 128  | 51696    | 7.424  | uq/l   | 99       |

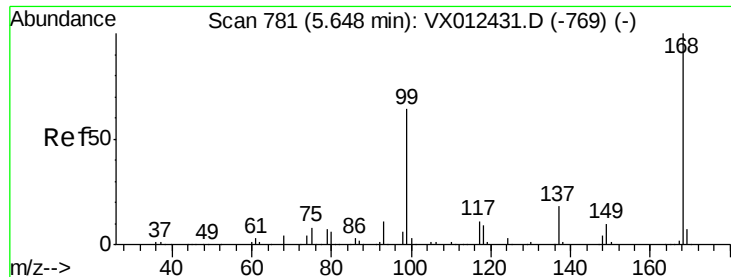
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092019\  
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Quant Title : SW846 8260  
QLast Update : Tue Sep 17 15:27:10 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

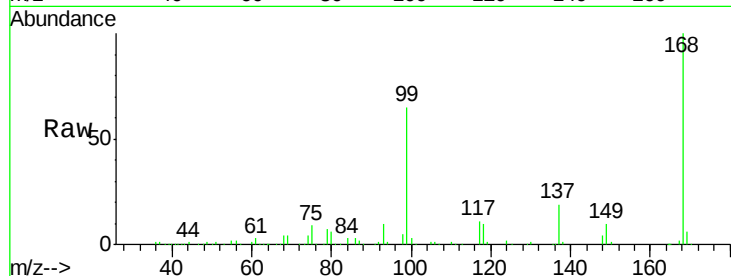
S13-0272DL

Tot Ion:168 Resp: 185771

Ion Ratio Lower Upper

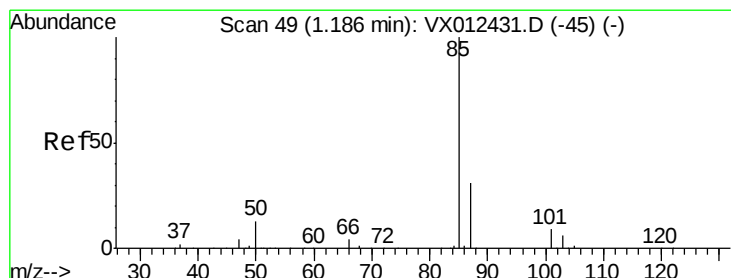
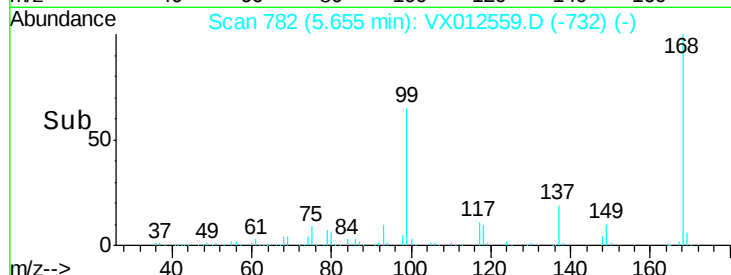
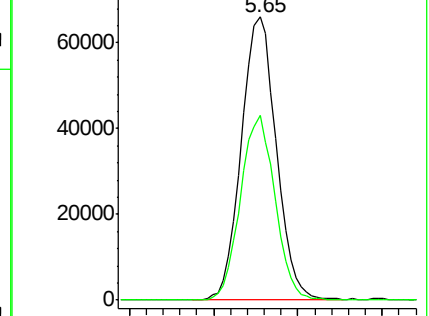
168 100

99 65.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.455 ug/l

RT: 1.16 min Scan# 45

Delta R.T. -0.02 min

Lab File: VX012559.D

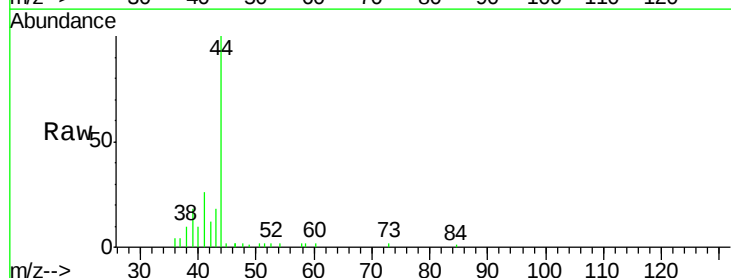
Acq: 20 Sep 2019 15:58

Tgt Ion: 85 Resp: 80

Ion Ratio Lower Upper

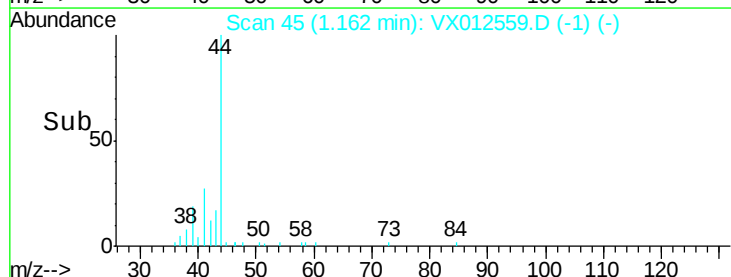
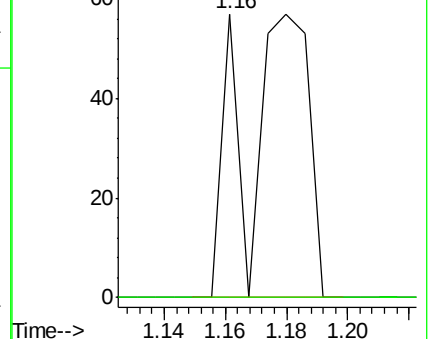
85 100

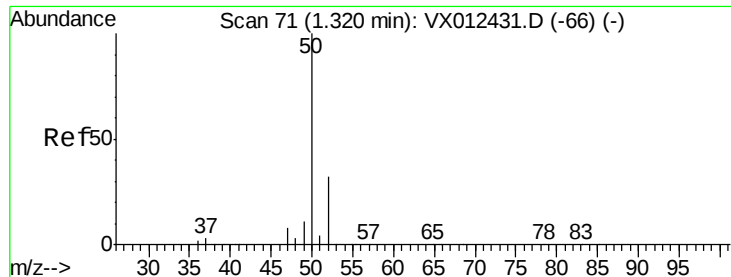
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.279 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

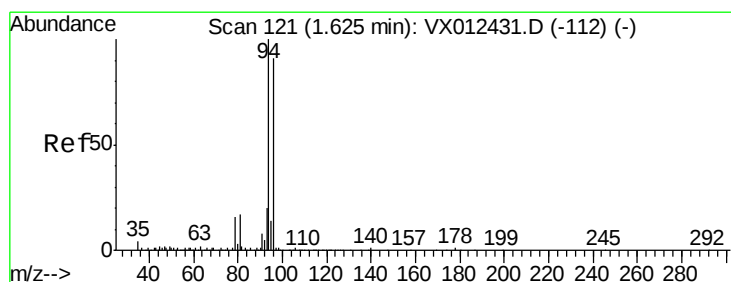
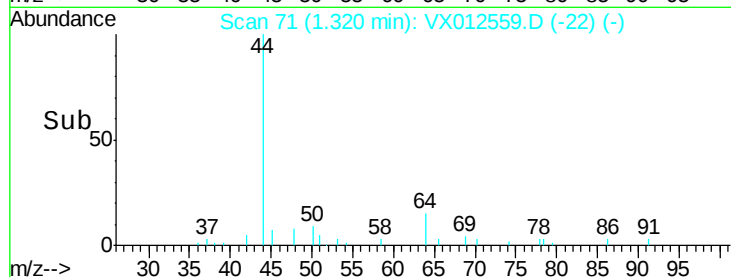
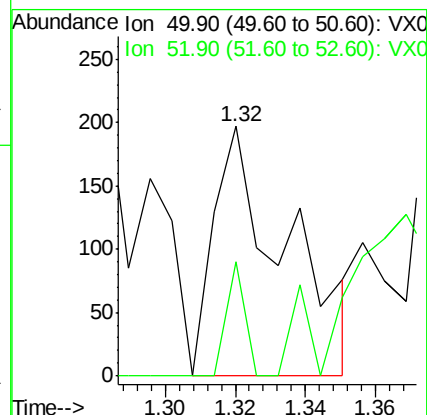
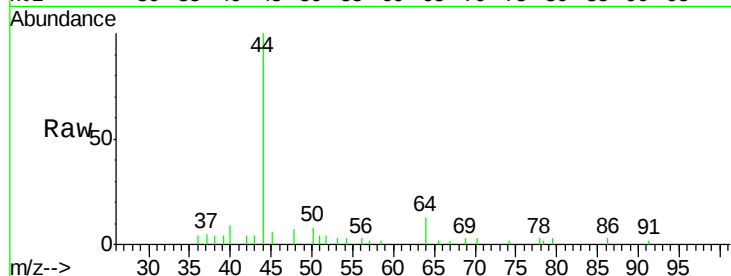
S13-0272DL

Tot Ion: 50 Resp: 285

Ion Ratio Lower Upper

50 100

52 45.7 25.7 38.5#



#5

Bromomethane

Concen: 0.952 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012559.D

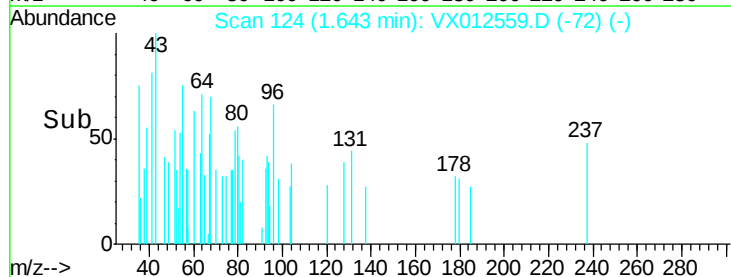
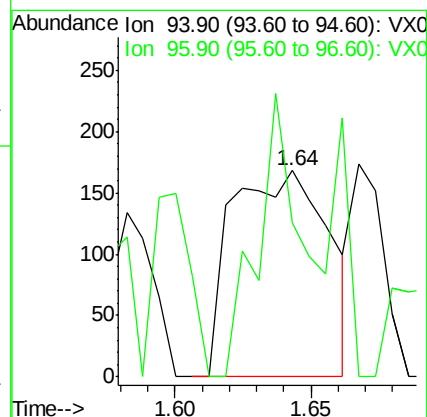
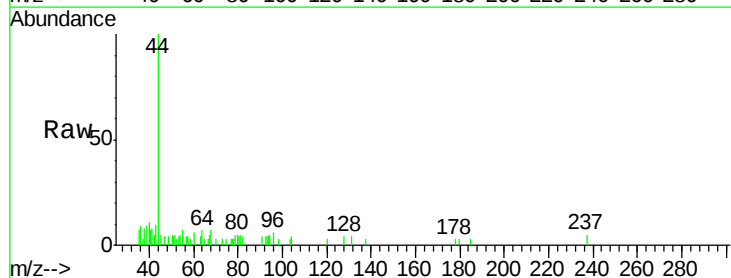
Acq: 20 Sep 2019 15:58

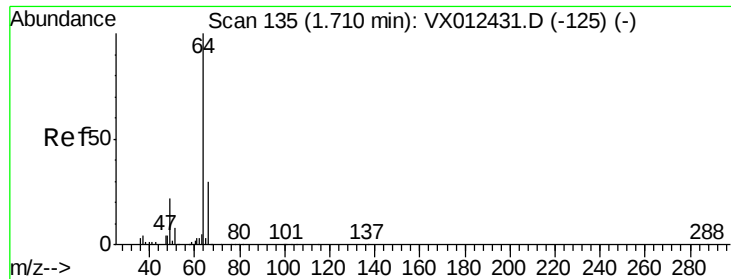
Tgt Ion: 94 Resp: 413

Ion Ratio Lower Upper

94 100

96 26.2 72.8 109.2#





#6

Chloroethane

Concen: 0.506 ug/l

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

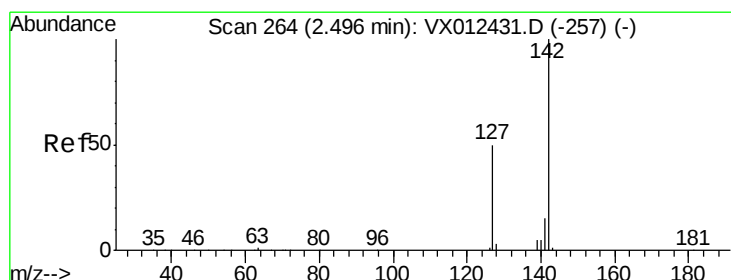
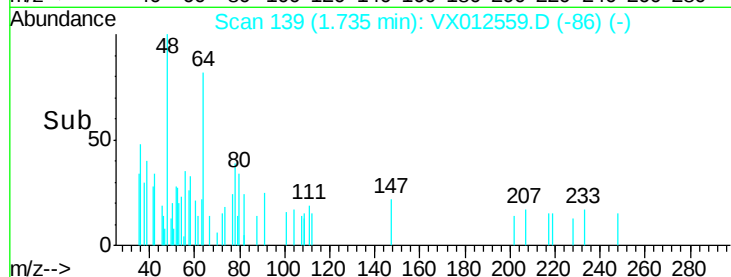
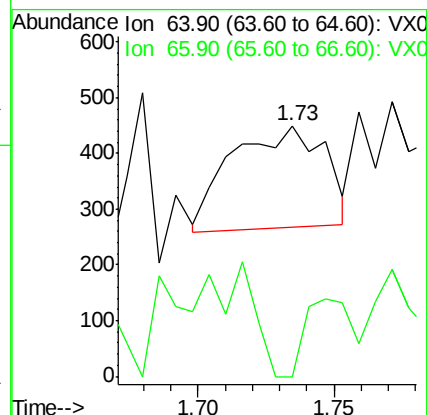
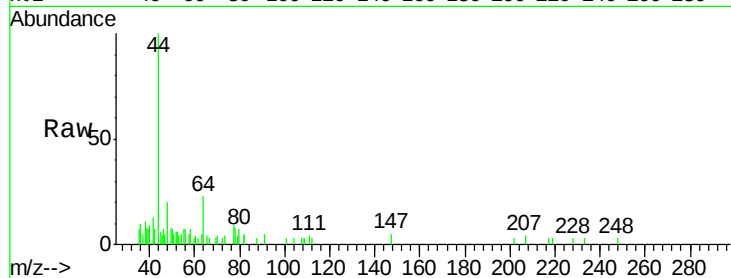
S13-0272DL

Tot Ion: 64 Resp: 437

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



#10

Methyl Iodide

Concen: 4.683 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

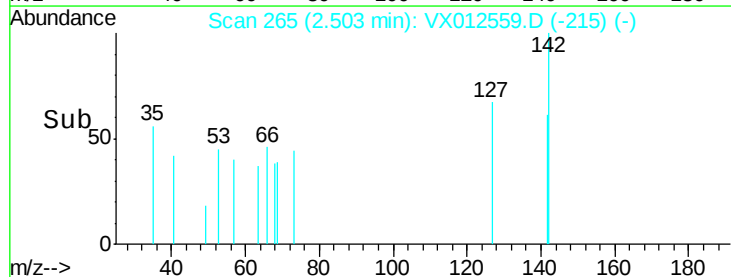
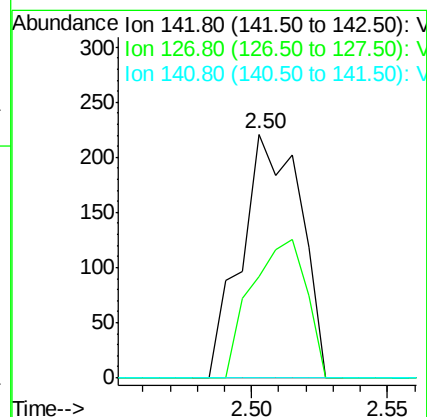
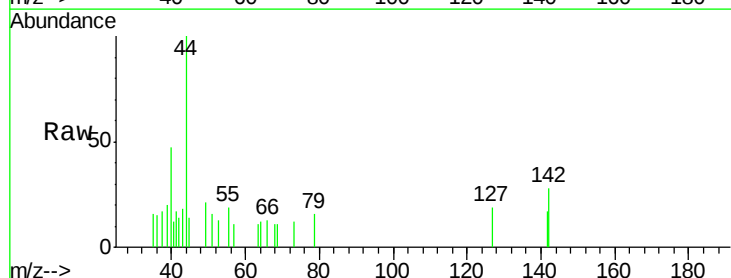
Tgt Ion: 142 Resp: 332

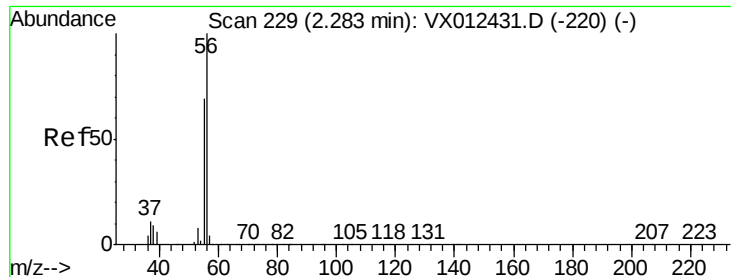
Ion Ratio Lower Upper

142 100

127 52.7 40.8 61.2

141 0.0 12.1 18.1#





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

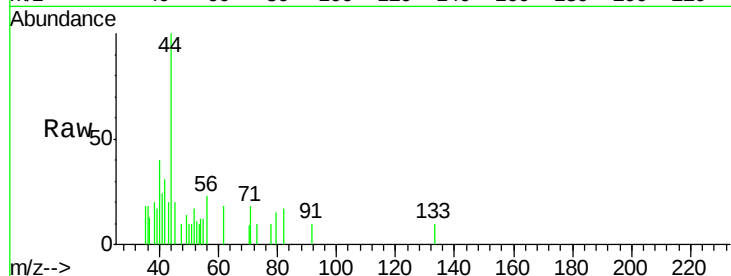
S13-0272DL

Tot Ion: 56 Resp: 134

Ion Ratio Lower Upper

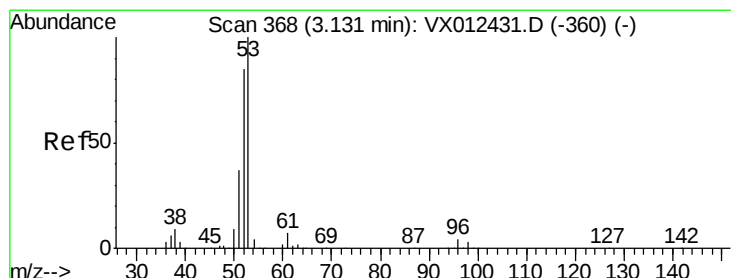
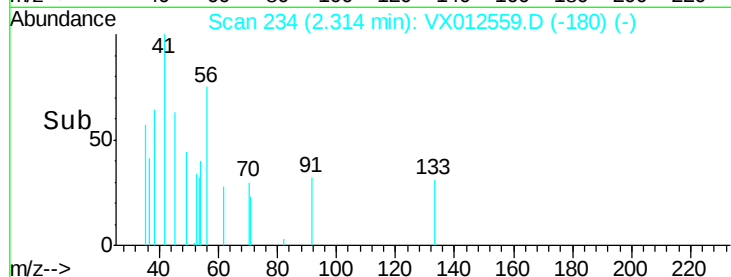
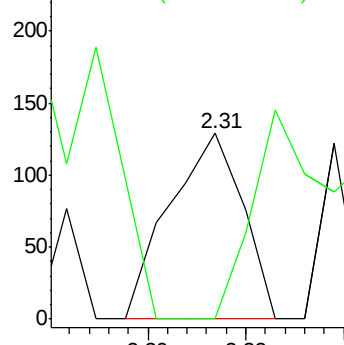
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.940 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.03 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

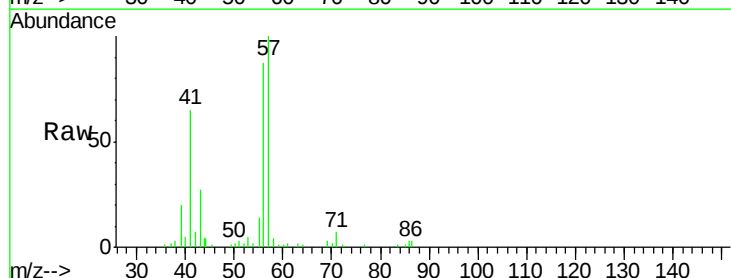
Tgt Ion: 53 Resp: 1084

Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

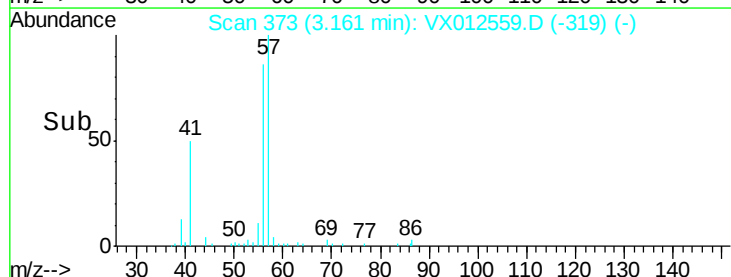
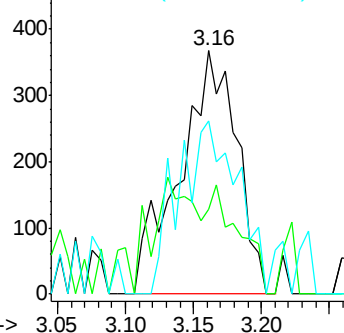
51 73.7 29.6 44.4#

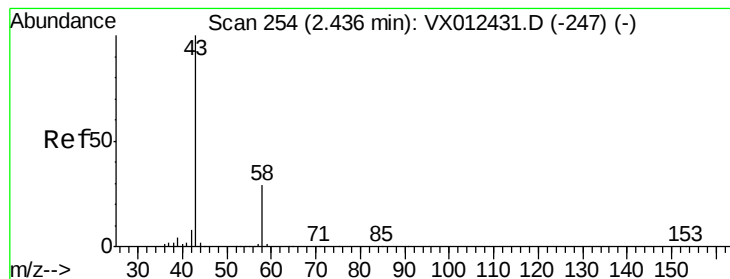


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

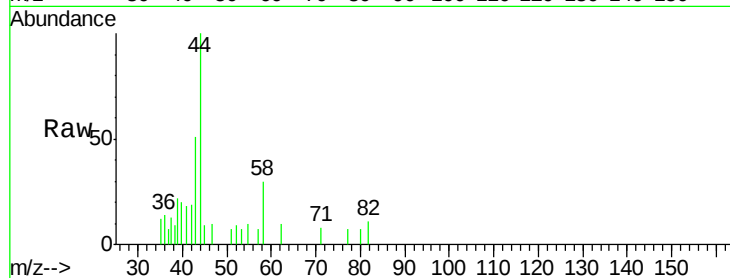
S13-0272DL

Tot Ion: 43 Resp: 921

Ion Ratio Lower Upper

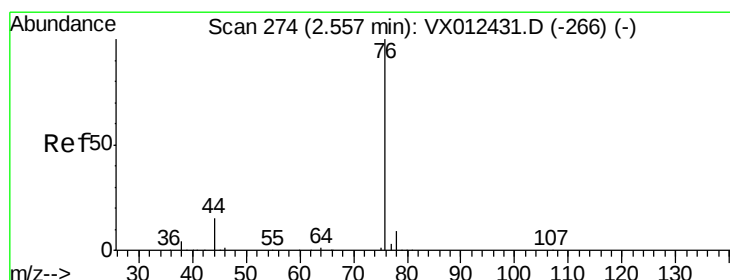
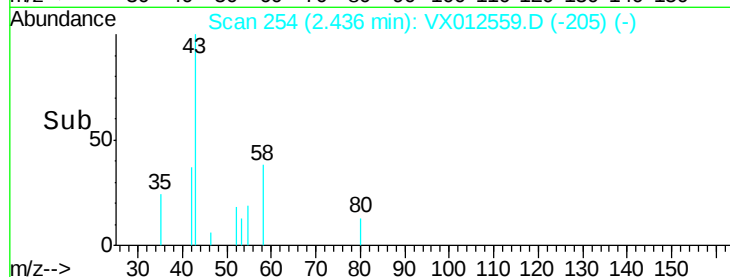
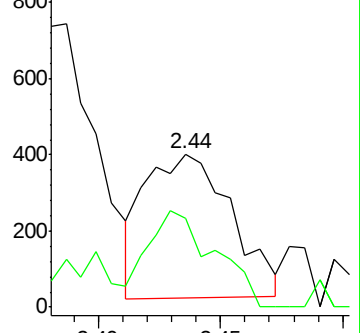
43 100

58 73.6 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.984 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012559.D

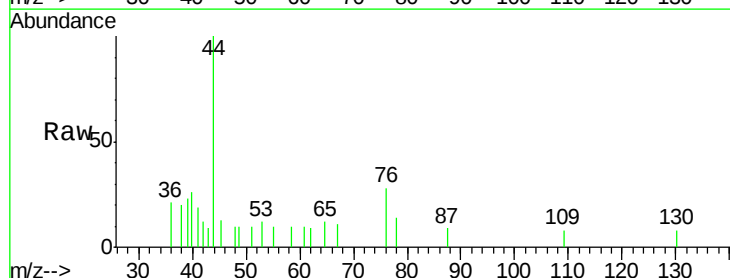
Acq: 20 Sep 2019 15:58

Tgt Ion: 76 Resp: 304

Ion Ratio Lower Upper

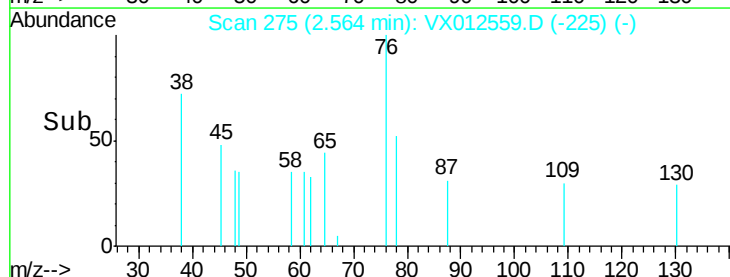
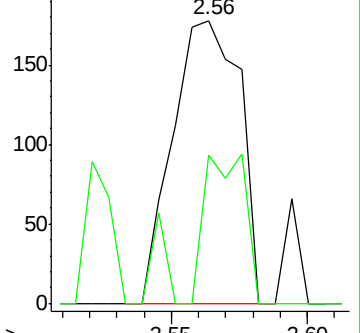
76 100

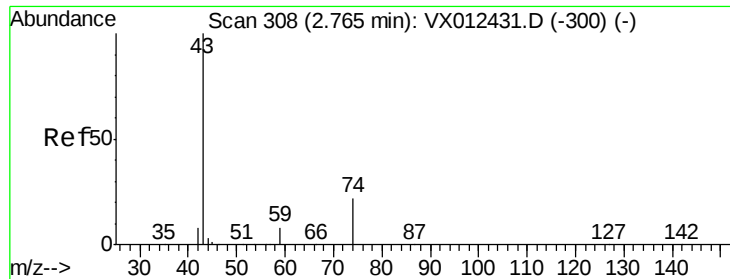
78 52.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

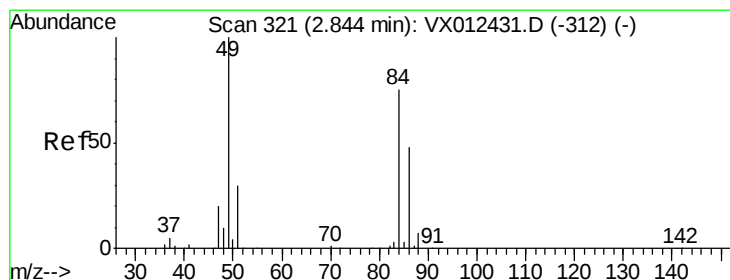
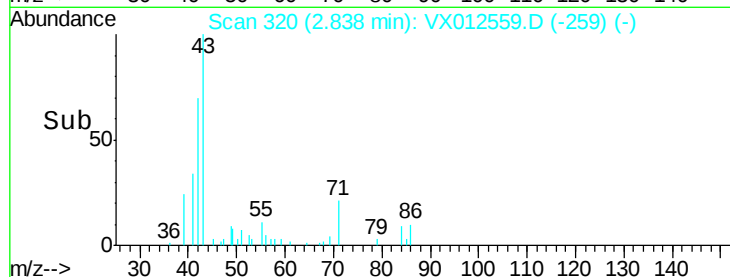
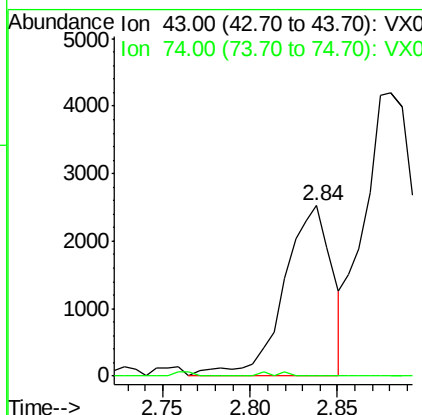
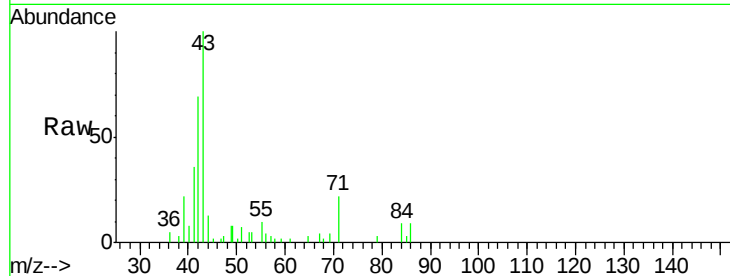




#18  
Methyl Acetate  
Concen: 1.749 ug/l  
RT: 2.84 min Scan# 320  
Delta R.T. 0.07 min  
Lab File: VX012559.D  
Acq: 20 Sep 2019 15:58

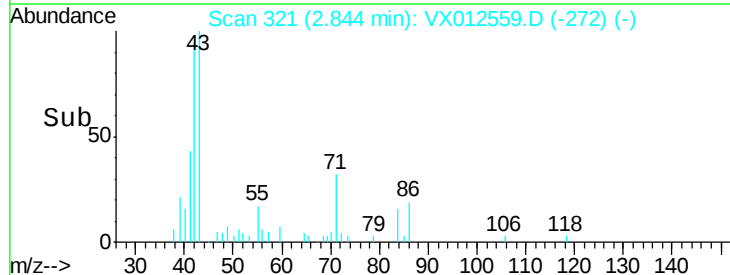
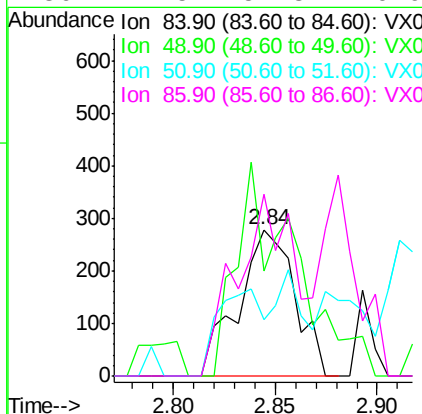
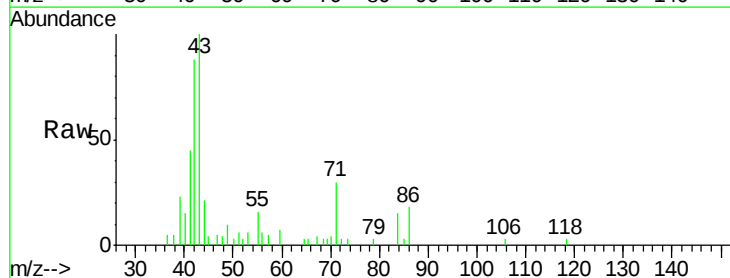
Instrument :  
MSVOA\_X  
ClientSampled :  
S13-0272DL

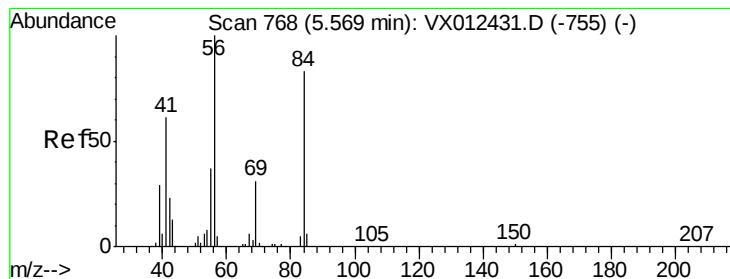
Tot Ion: 43 Resp: 4853  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.7 26.5#



#20  
Methylene Chloride  
Concen: 0.333 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. 0.00 min  
Lab File: VX012559.D  
Acq: 20 Sep 2019 15:58

Tgt Ion: 84 Resp: 537  
Ion Ratio Lower Upper  
84 100  
49 71.6 106.8 160.2#  
51 38.5 32.3 48.5  
86 124.5 51.3 76.9#





#31

Cyclohexane

Concen: 20.085 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampleID :

S13-0272DL

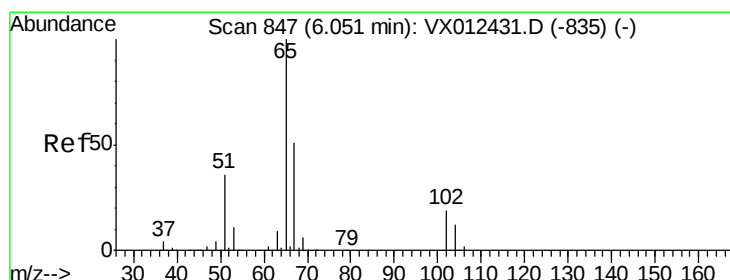
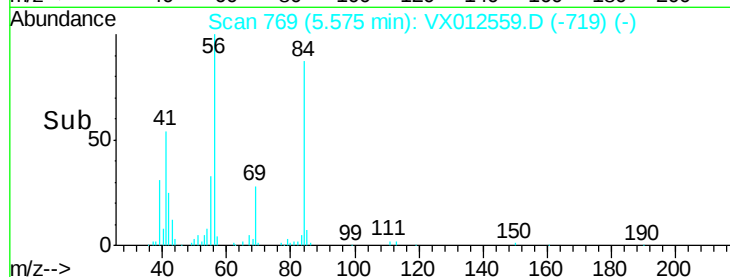
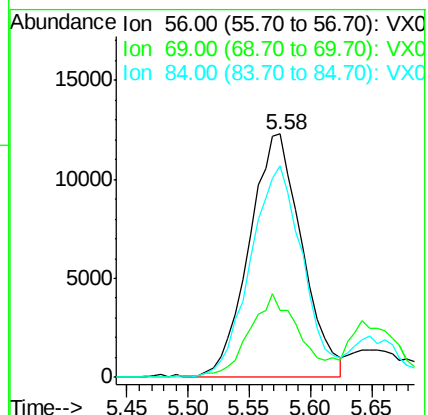
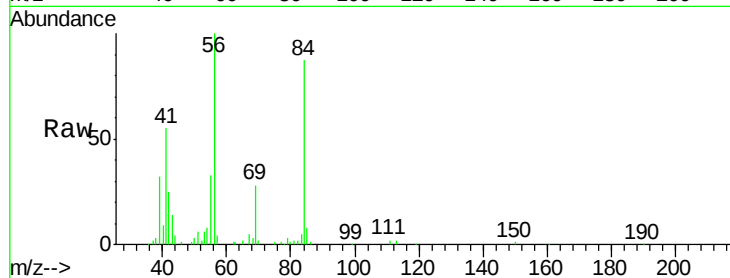
Tot Ion: 56 Resp: 36934

Ion Ratio Lower Upper

56 100

69 27.2 25.0 37.6

84 87.1 66.4 99.6



#33

1,2-Dichloroethane-d4

Concen: 46.741 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012559.D

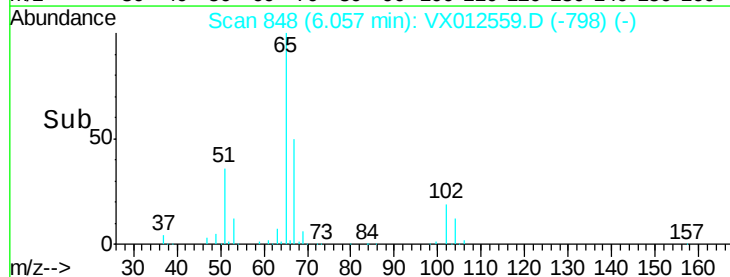
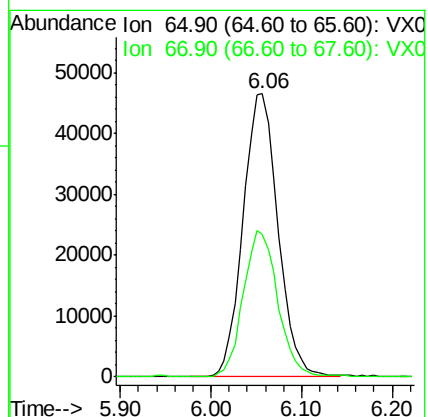
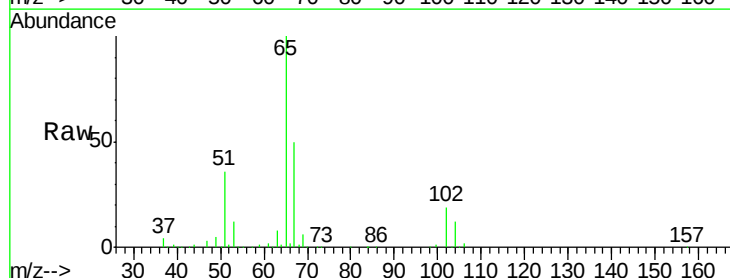
Acq: 20 Sep 2019 15:58

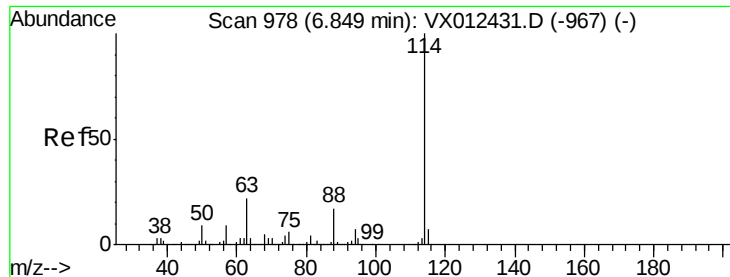
Tgt Ion: 65 Resp: 124446

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampleId :

S13-0272DL

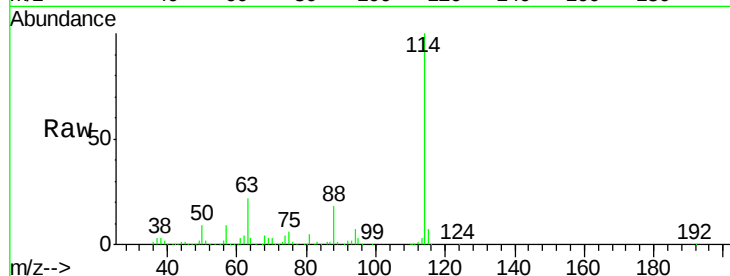
Tot Ion:114 Resp: 294198

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

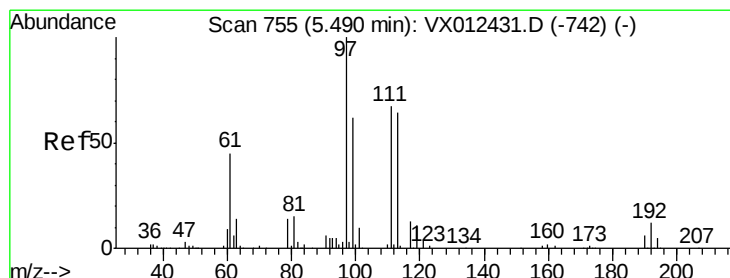
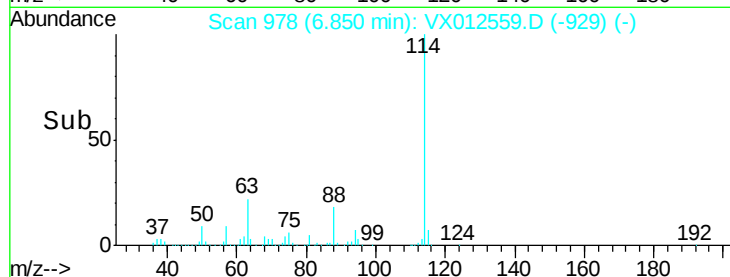
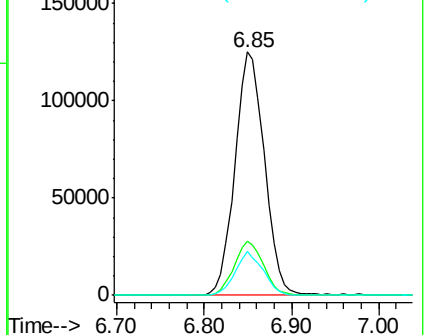
88 17.8 0.0 33.2



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: 48.798 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

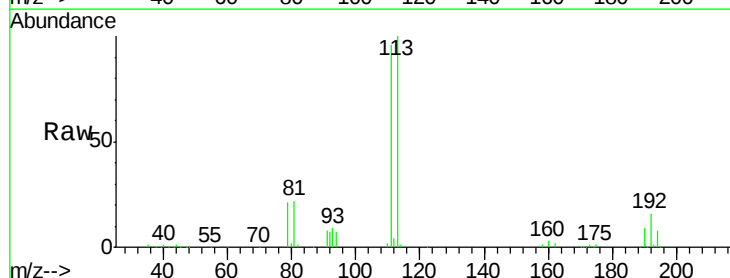
Tgt Ion:113 Resp: 86893

Ion Ratio Lower Upper

113 100

111 103.6 83.4 125.2

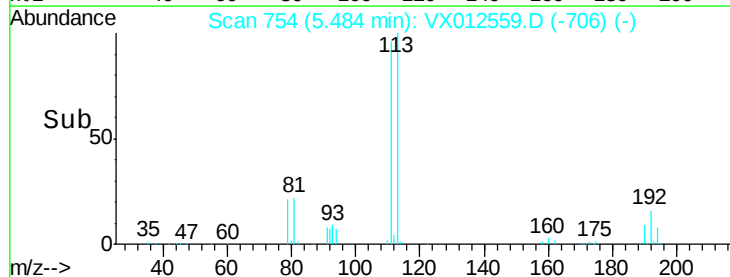
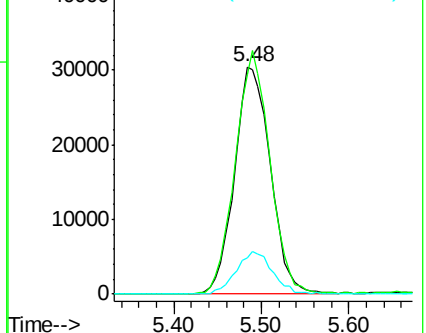
192 19.0 14.4 21.6

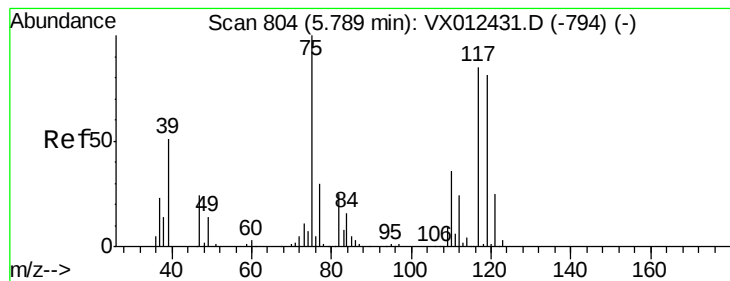


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 8.709 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampleId :

S13-0272DL

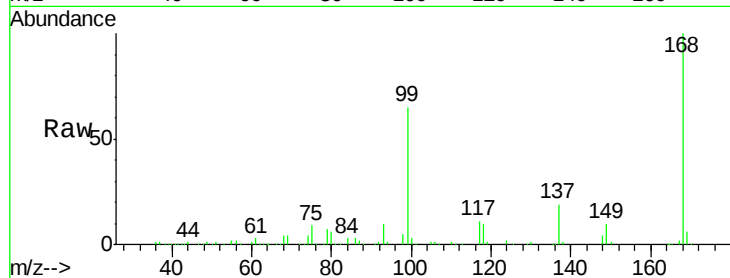
Tot Ion: 75 Resp: 15572

Ion Ratio Lower Upper

75 100

110 10.8 16.7 50.0#

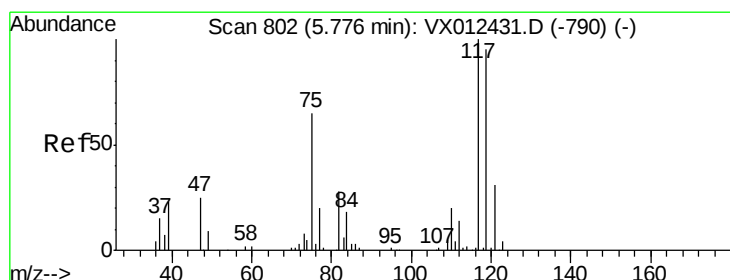
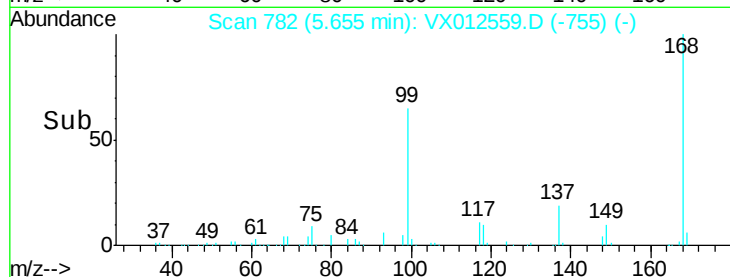
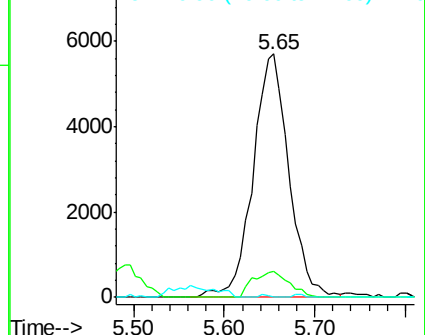
77 0.3 24.2 36.2#



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: 8.931 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

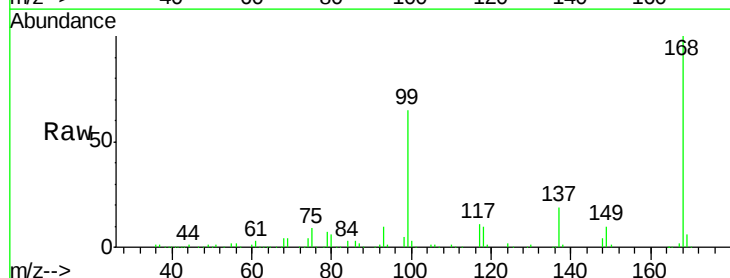
Tgt Ion: 117 Resp: 19860

Ion Ratio Lower Upper

117 100

119 5.6 75.7 113.5#

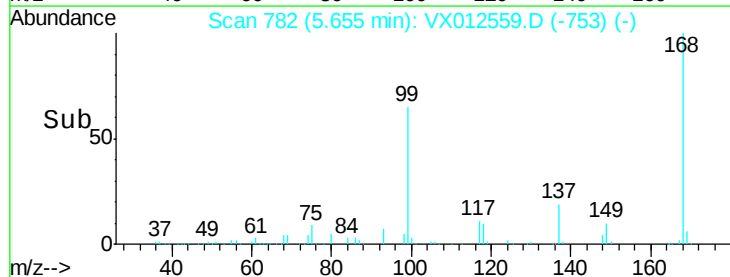
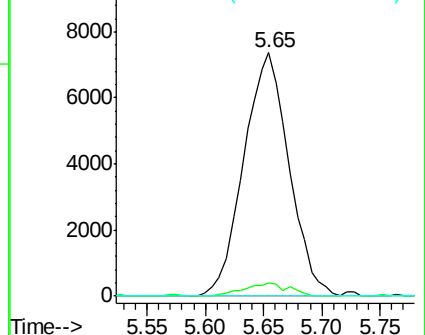
121 0.0 24.2 36.4#

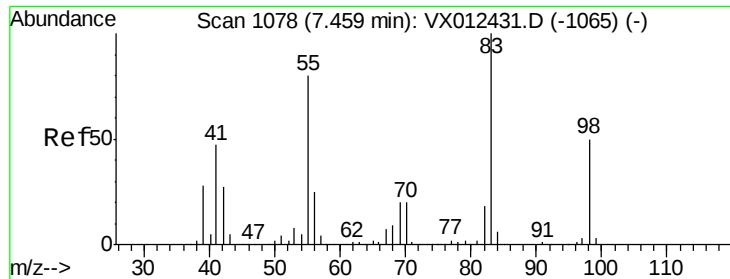


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

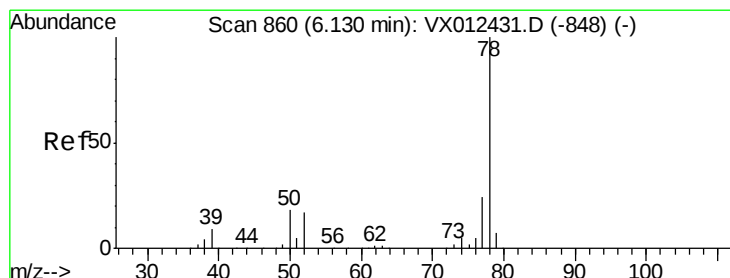
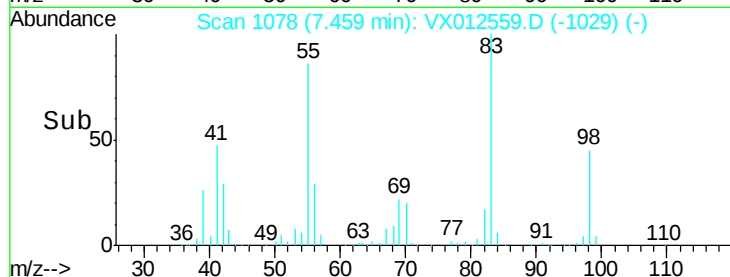
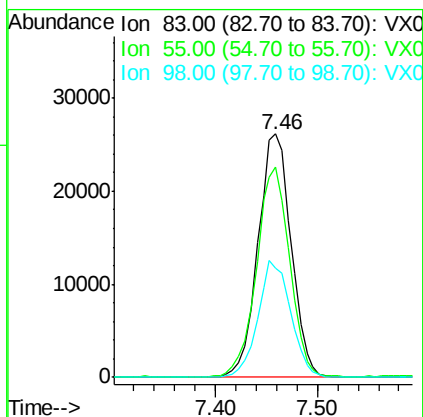
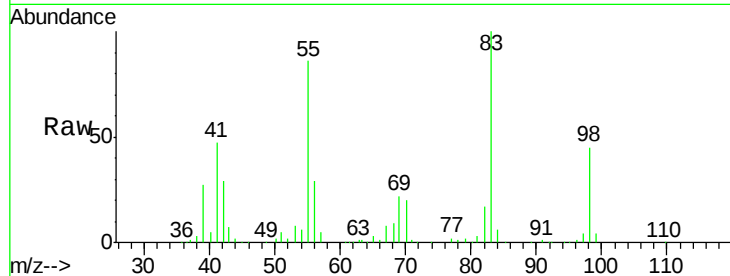




#39  
Methvlcvclohexane  
Concen: 33.980 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: VX012559.D  
Acq: 20 Sep 2019 15:58

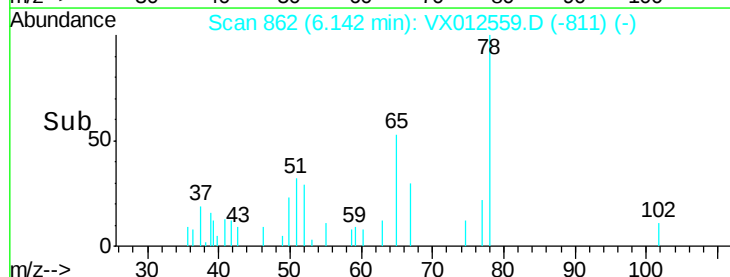
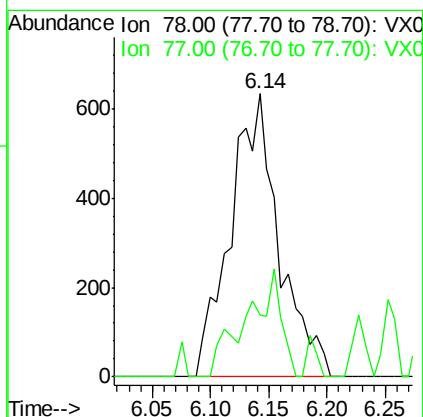
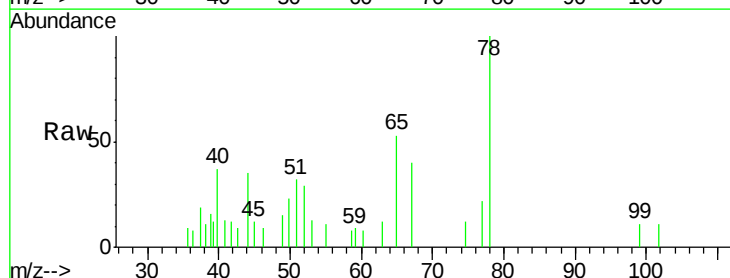
Instrument :  
MSVOA\_X  
ClientSampled :  
S13-0272DL

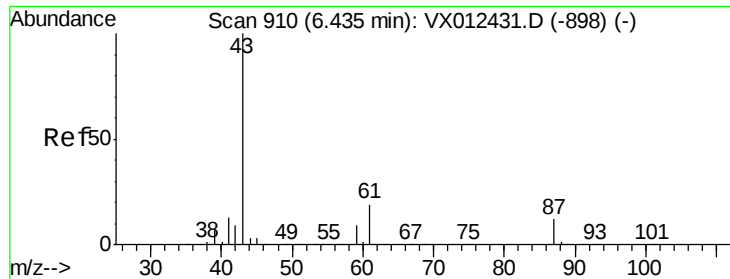
Tot Ion: 83 Resp: 59063  
Ion Ratio Lower Upper  
83 100  
55 86.2 64.4 96.6  
98 45.1 40.1 60.1



#40  
Benzene  
Concen: 0.324 ug/l  
RT: 6.14 min Scan# 862  
Delta R.T. 0.01 min  
Lab File: VX012559.D  
Acq: 20 Sep 2019 15:58

Tgt Ion: 78 Resp: 1842  
Ion Ratio Lower Upper  
78 100  
77 22.0 19.2 28.8



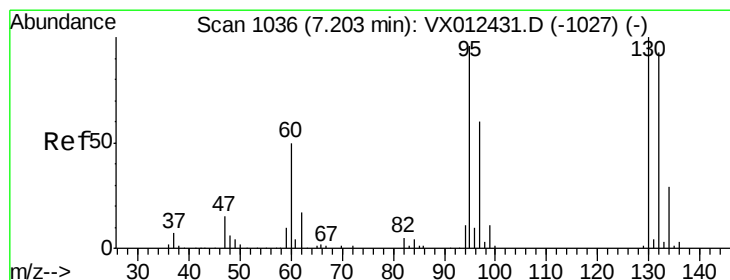
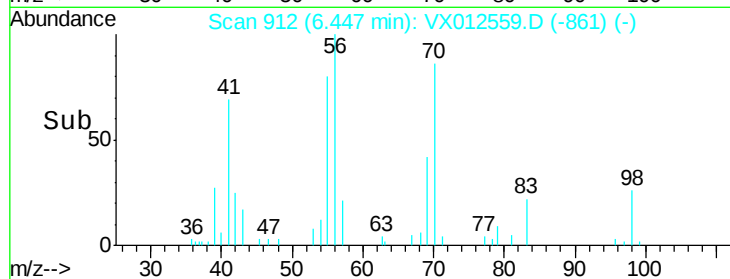
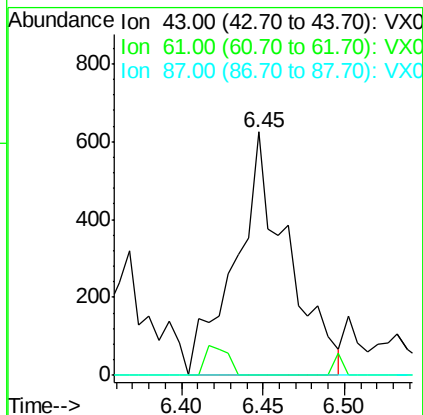
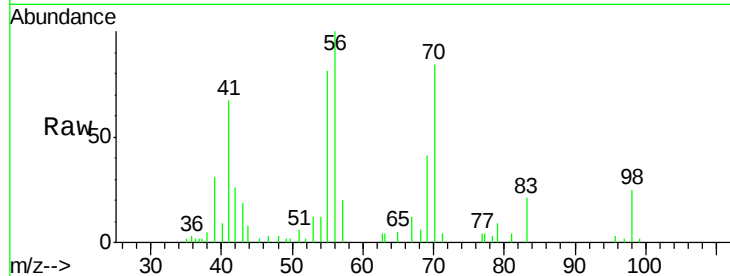


#43

Isopropyl Acetate  
 Concen: 0.280 ug/l  
 RT: 6.45 min Scan# 912  
 Delta R.T. 0.01 min  
 Lab File: VX012559.D  
 Acq: 20 Sep 2019 15:58

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 S13-0272DL

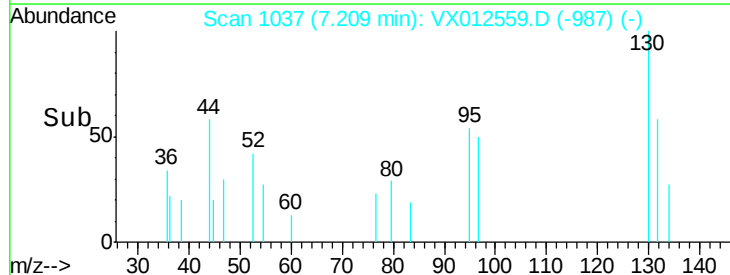
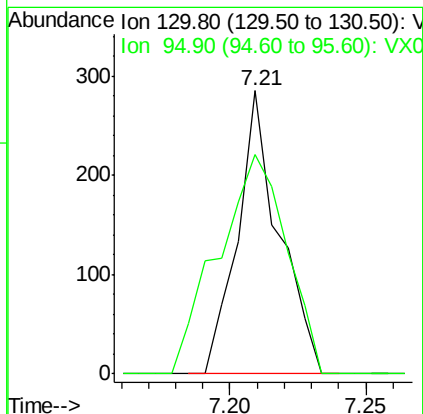
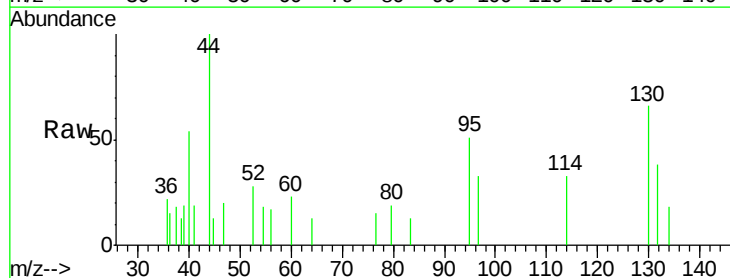
Tot Ion: 43 Resp: 1381  
 Ion Ratio Lower Upper  
 43 100  
 61 0.0 15.4 23.0#  
 87 0.0 9.8 14.8#

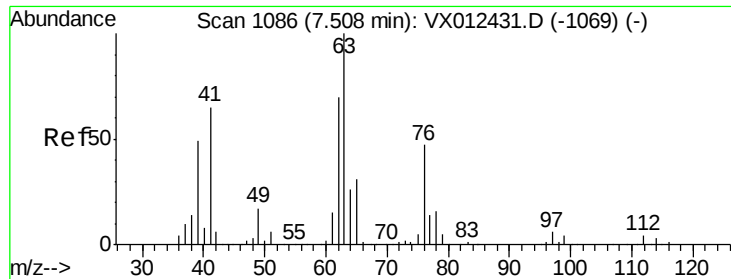


#44

Trichloroethene  
 Concen: 0.201 ug/l  
 RT: 7.21 min Scan# 1037  
 Delta R.T. 0.01 min  
 Lab File: VX012559.D  
 Acq: 20 Sep 2019 15:58

Tgt Ion: 130 Resp: 300  
 Ion Ratio Lower Upper  
 130 100  
 95 77.5 0.0 193.0

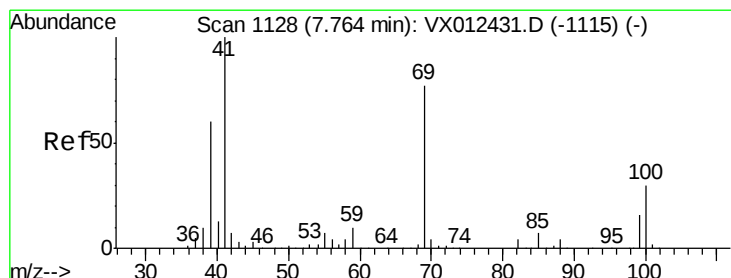
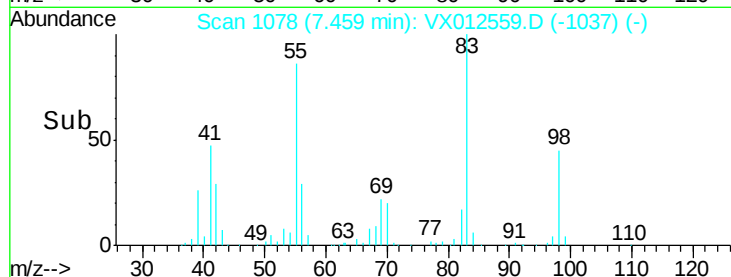
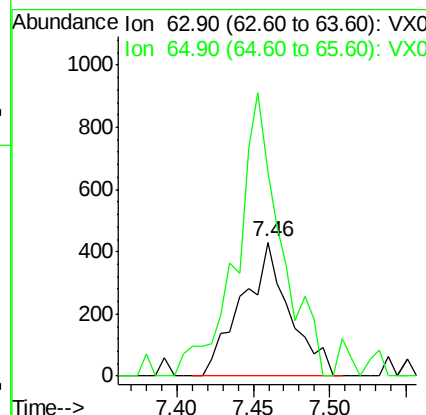
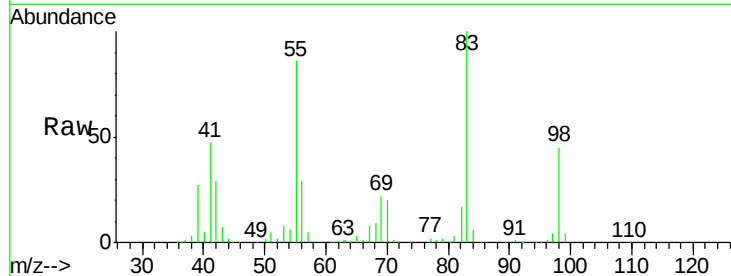




#45  
 1,2-Dichloropropane  
 Concen: 0.532 ug/l  
 RT: 7.46 min Scan# 1078  
 Delta R.T. -0.05 min  
 Lab File: VX012559.D  
 Acq: 20 Sep 2019 15:58

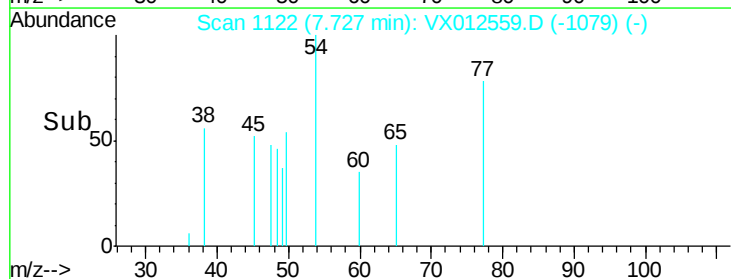
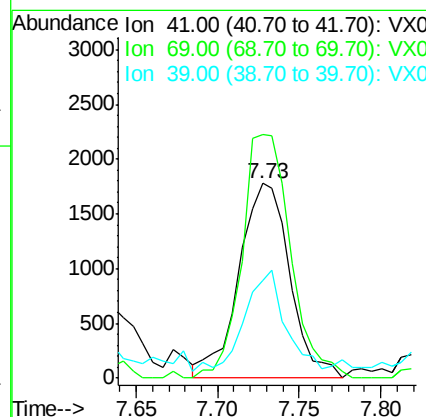
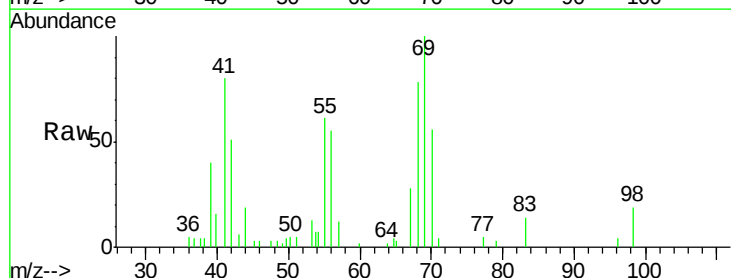
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 S13-0272DL

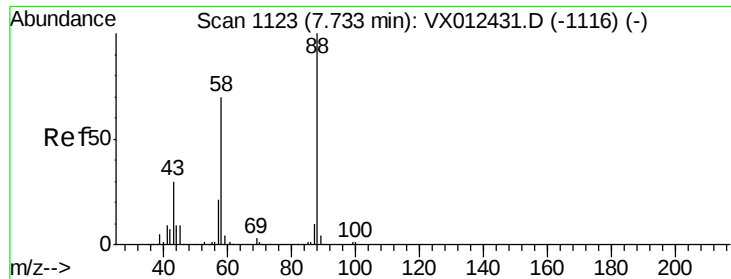
Tot Ion: 63 Resp: 929  
 Ion Ratio Lower Upper  
 63 100  
 65 129.5 25.0 37.6#



#48  
 Methyl methacrylate  
 Concen: 1.655 ug/l  
 RT: 7.73 min Scan# 1122  
 Delta R.T. -0.04 min  
 Lab File: VX012559.D  
 Acq: 20 Sep 2019 15:58

Tgt Ion: 41 Resp: 3843  
 Ion Ratio Lower Upper  
 41 100  
 69 120.2 59.9 89.9#  
 39 36.6 47.8 71.6#

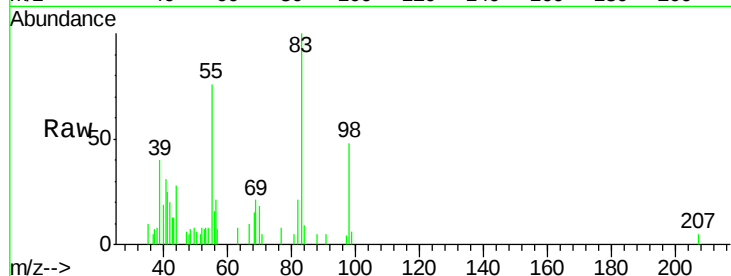




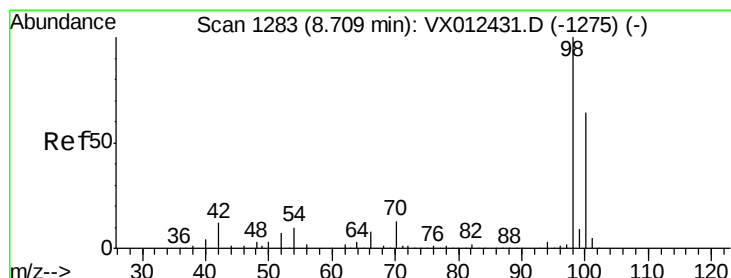
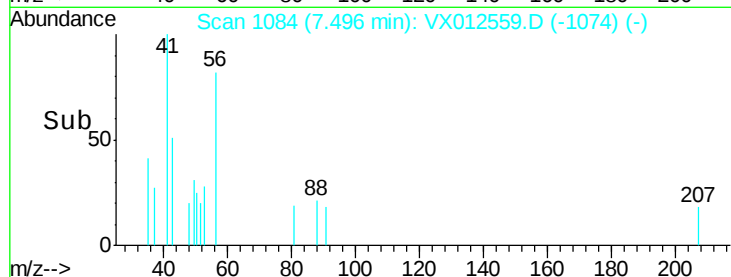
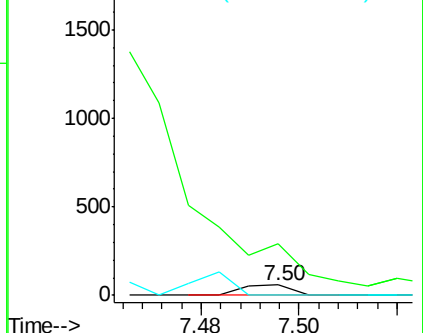
#49  
1,4-Dioxane  
Concen: 0.708 ug/l  
RT: 7.50 min Scan# 1084  
Delta R.T. -0.24 min  
Lab File: VX012559.D  
Acq: 20 Sep 2019 15:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0272DL

Tot Ion: 88 Resp: 40  
Ion Ratio Lower Upper  
88 100  
43 0.0 29.4 44.0#  
58 250.0 57.5 86.3#

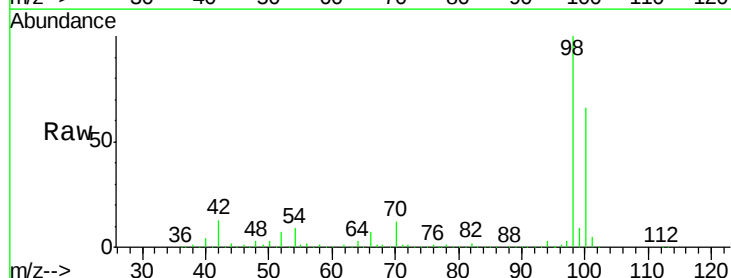


Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

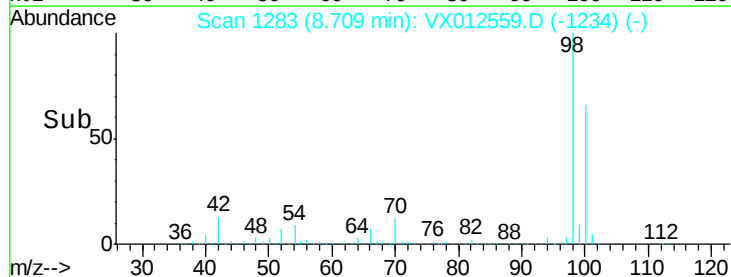
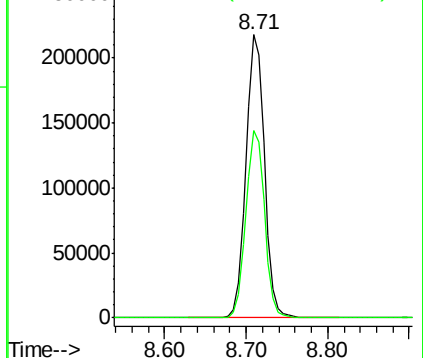


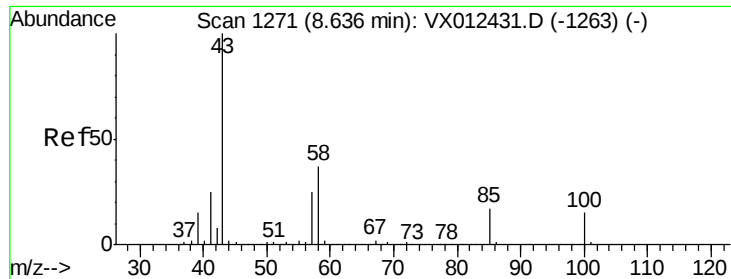
#50  
Toluene-d8  
Concen: 52.152 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012559.D  
Acq: 20 Sep 2019 15:58

Tgt Ion: 98 Resp: 343732  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.4 80.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.445 ug/l

RT: 8.65 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

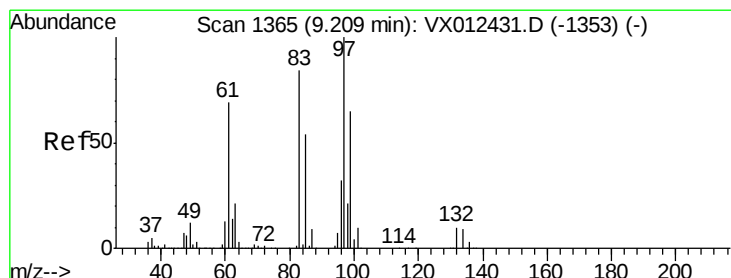
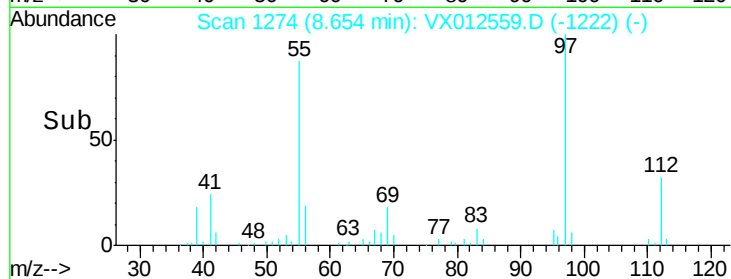
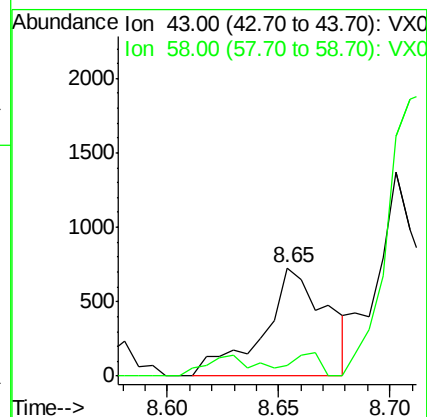
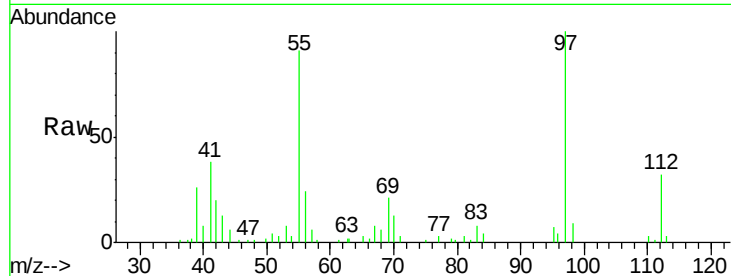
S13-0272DL

Tot Ion: 43 Resp: 1436

Ion Ratio Lower Upper

43 100

58 9.4 29.8 44.6#



#55

1,1,2-Trichloroethane

Concen: 2.594 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.05 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Tgt Ion: 97 Resp: 4897

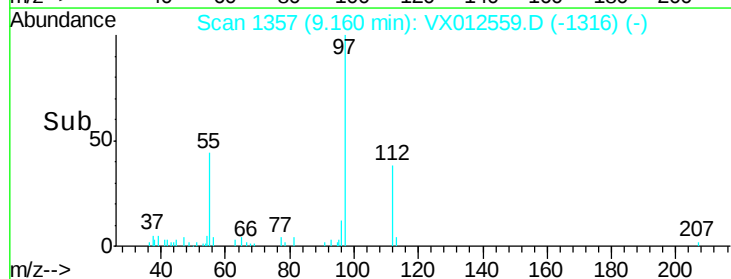
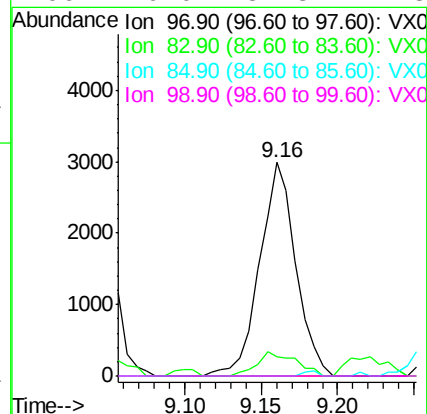
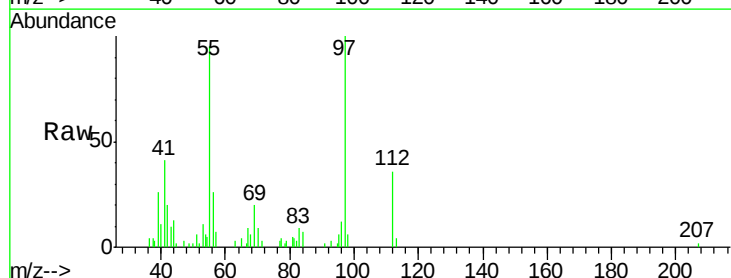
Ion Ratio Lower Upper

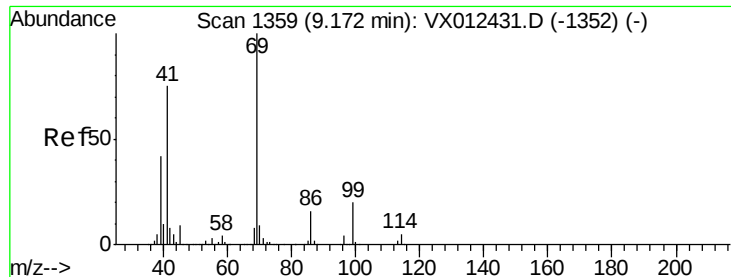
97 100

83 6.2 67.4 101.2#

85 0.0 43.5 65.3#

99 0.0 51.8 77.8#





#56

Ethyl methacrylate

Concen: 0.443 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

S13-0272DL

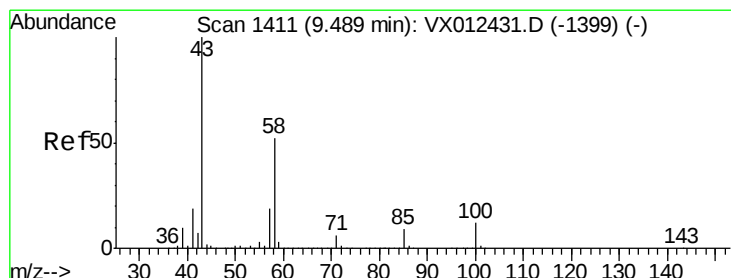
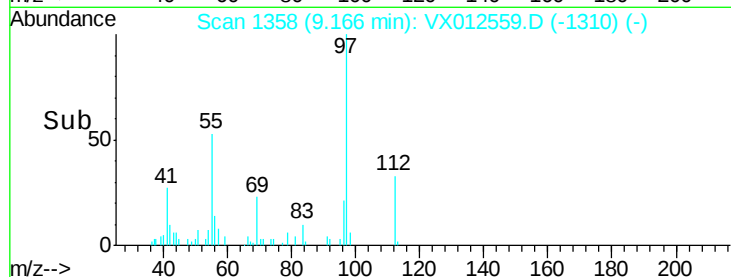
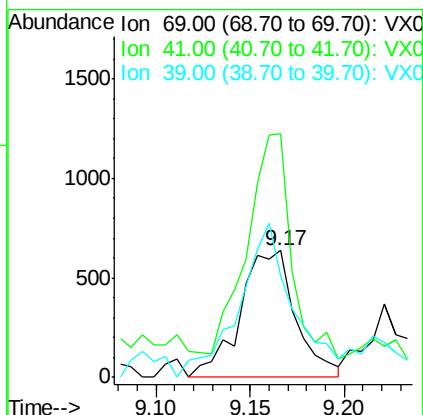
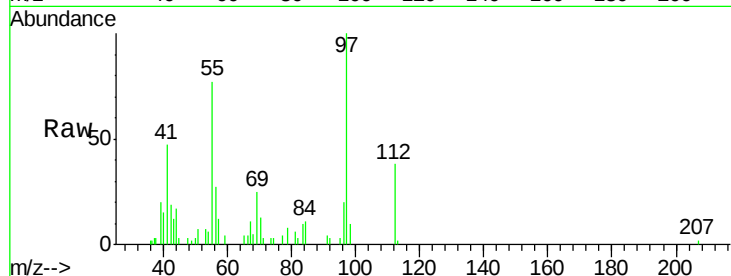
Tot Ion: 69 Resp: 1308

Ion Ratio Lower Upper

69 100

41 141.9 58.4 87.6#

39 118.3 33.4 50.0#



#59

2-Hexanone

Concen: 1.690 ug/l

RT: 9.44 min Scan# 1403

Delta R.T. -0.05 min

Lab File: VX012559.D

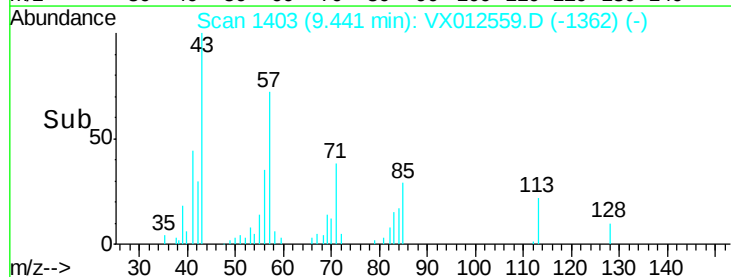
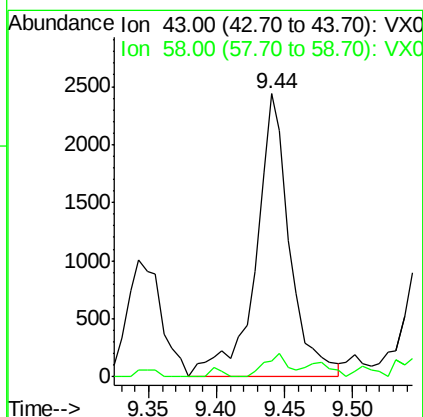
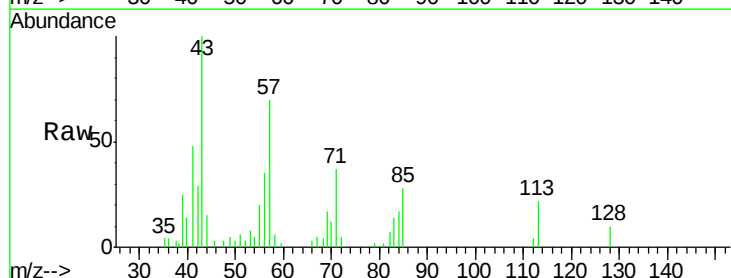
Acq: 20 Sep 2019 15:58

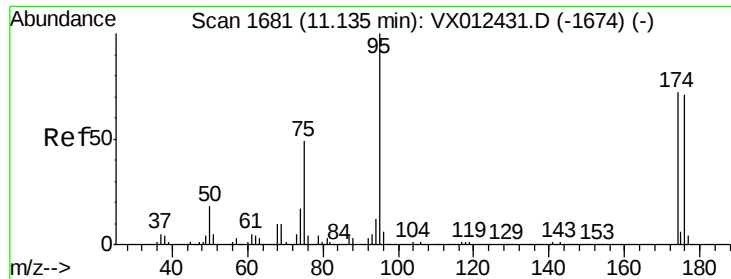
Tgt Ion: 43 Resp: 4259

Ion Ratio Lower Upper

43 100

58 5.7 25.7 77.1#





#62

4-Bromofluorobenzene

Concen: 44.597 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

S13-0272DL

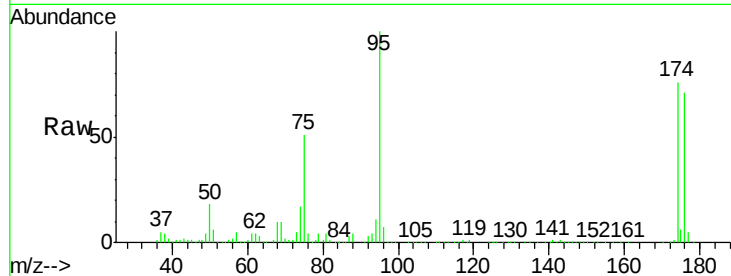
Tot Ion: 95 Resp: 122045

Ion Ratio Lower Upper

95 100

174 71.8 0.0 140.0

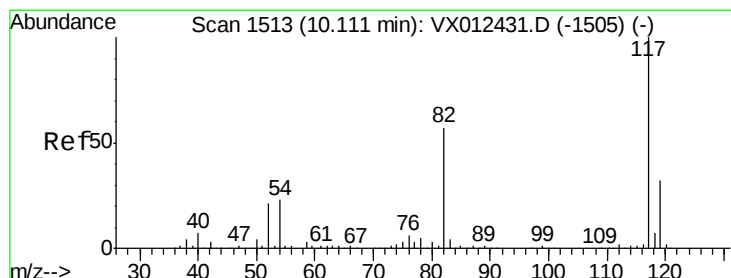
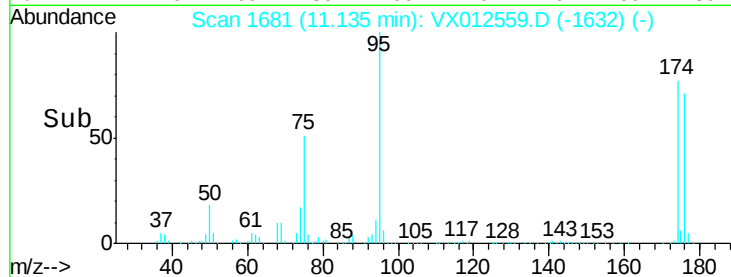
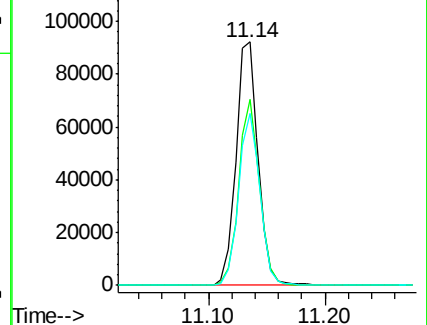
176 68.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012431.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012431.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012431.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

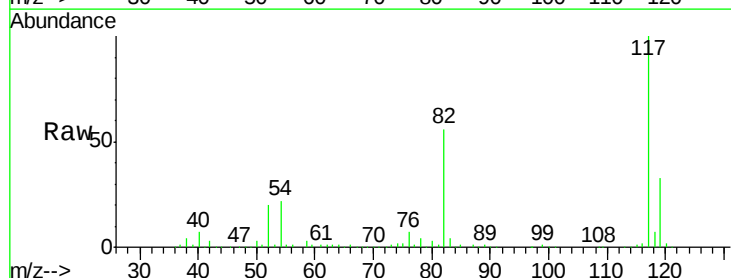
Tgt Ion: 117 Resp: 247927

Ion Ratio Lower Upper

117 100

82 56.4 45.9 68.9

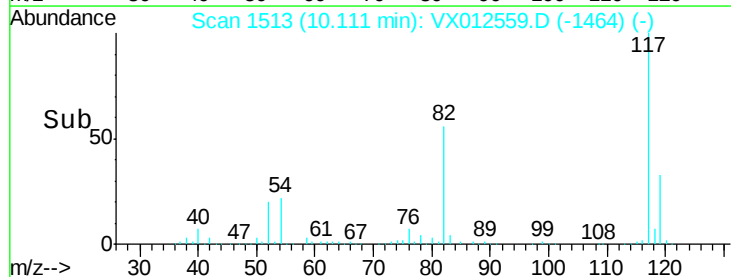
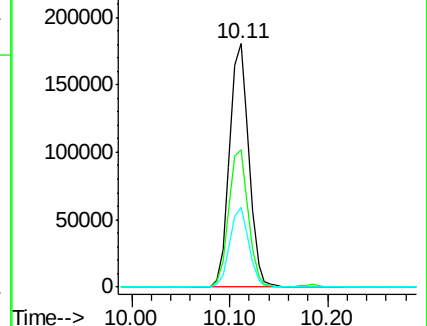
119 32.6 25.3 37.9

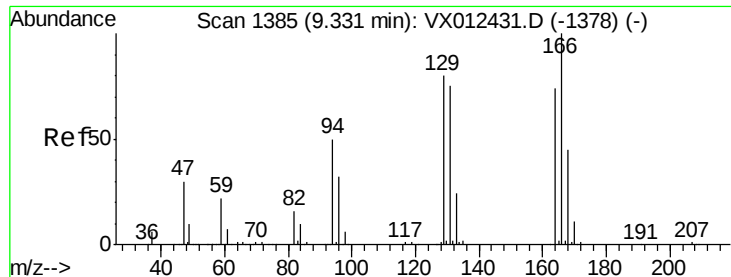


Abundance Ion 116.90 (116.60 to 117.60): VX012431.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012431.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012431.D (-1505) (-)





#64

Tetrachloroethene

Concen: 0.403 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

S13-0272DL

Tot Ion:164 Resp: 458

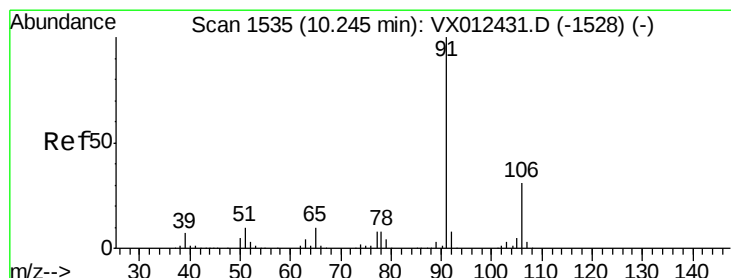
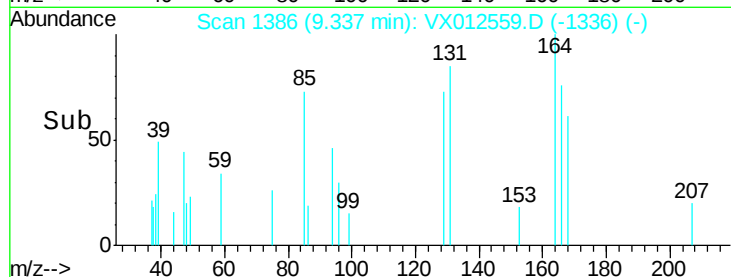
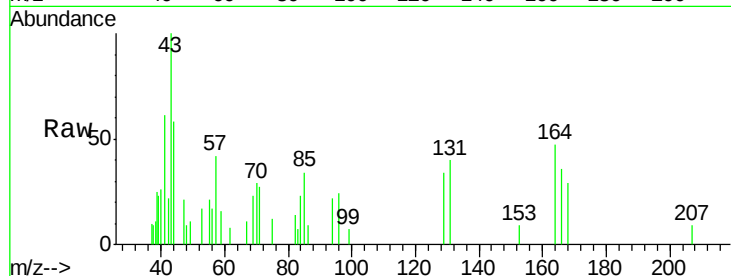
Ion Ratio Lower Upper

164 100

166 75.6 107.8 161.6#

129 72.7 86.2 129.2#

131 85.2 80.4 120.6



#67

Ethyl Benzene

Concen: 9.771 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX012559.D

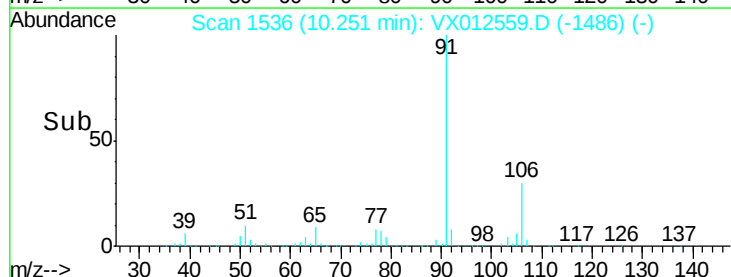
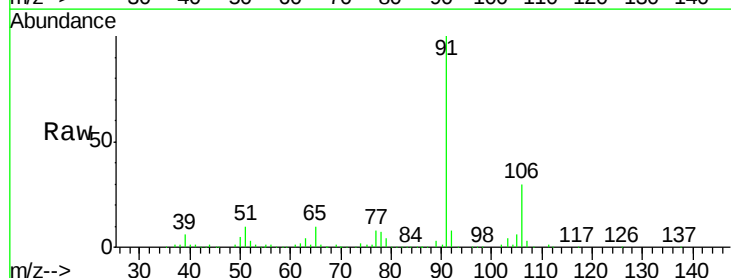
Acq: 20 Sep 2019 15:58

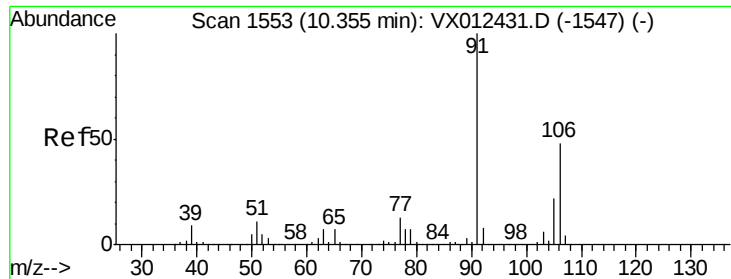
Tgt Ion: 91 Resp: 68694

Ion Ratio Lower Upper

91 100

106 30.0 24.6 37.0

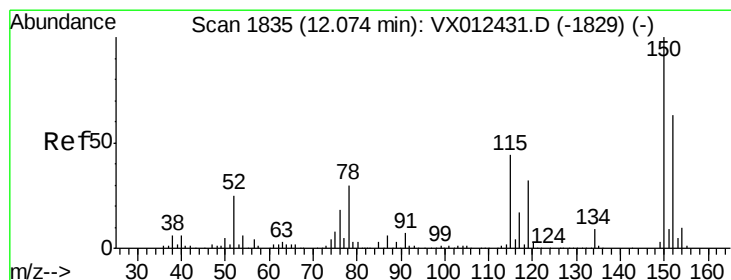
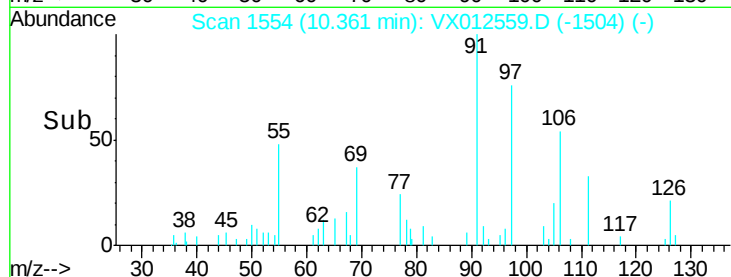
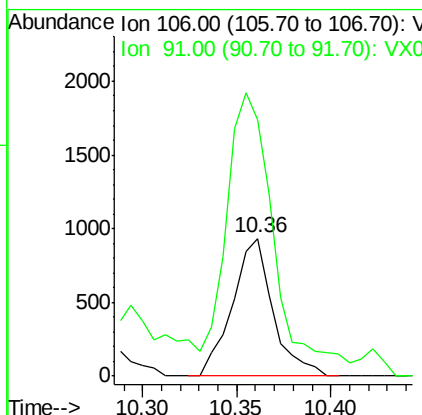
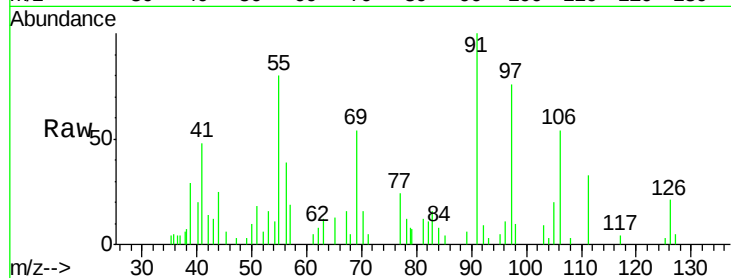




#68  
m/p-Xvlenes  
Concen: 0.545 ug/l  
RT: 10.36 min Scan# 1554  
Delta R.T. 0.01 min  
Lab File: VX012559.D  
Acq: 20 Sep 2019 15:58

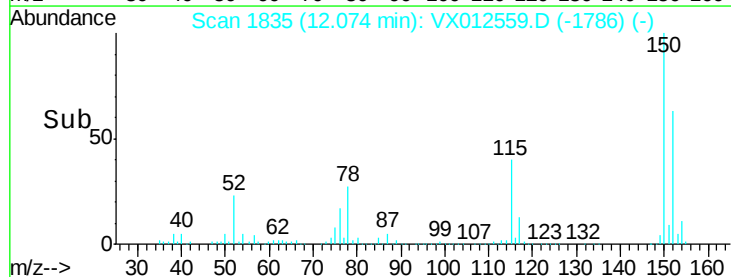
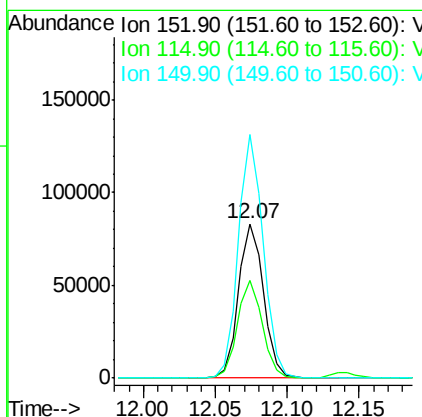
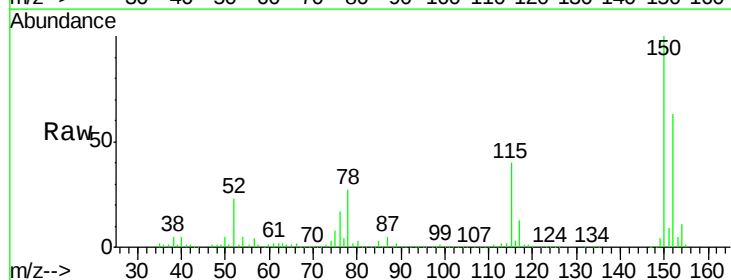
Instrument :  
MSVOA\_X  
ClientSampled :  
S13-0272DL

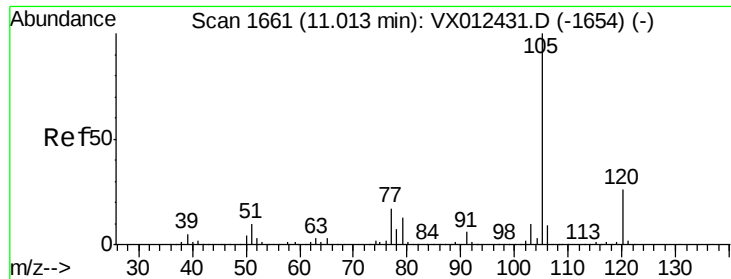
Tot Ion:106 Resp: 1394  
Ion Ratio Lower Upper  
106 100  
91 218.5 166.6 250.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX012559.D  
Acq: 20 Sep 2019 15:58

Tgt Ion:152 Resp: 100982  
Ion Ratio Lower Upper  
152 100  
115 63.1 44.1 132.3  
150 157.0 0.0 343.8





#73

Isopropylbenzene

Concen: 3.962 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

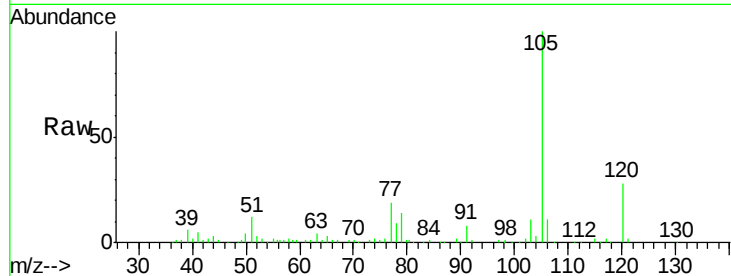
S13-0272DL

Tot Ion:105 Resp: 25101

Ion Ratio Lower Upper

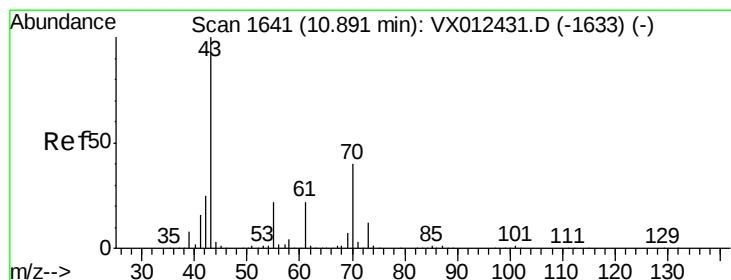
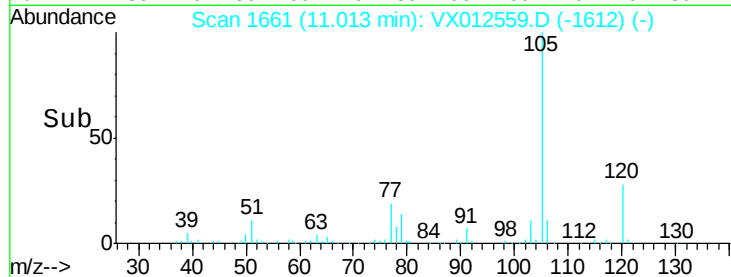
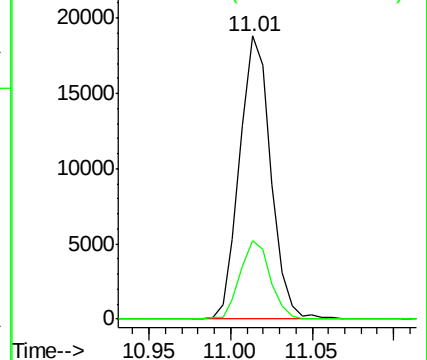
105 100

120 26.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.429 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Tgt Ion: 43 Resp: 1462

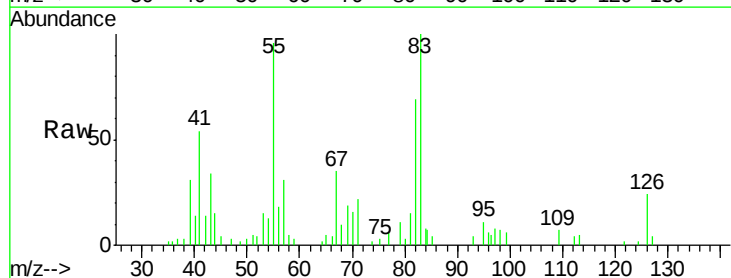
Ion Ratio Lower Upper

43 100

70 101.4 32.4 48.6#

55 320.7 18.2 27.4#

61 0.0 18.5 27.7#

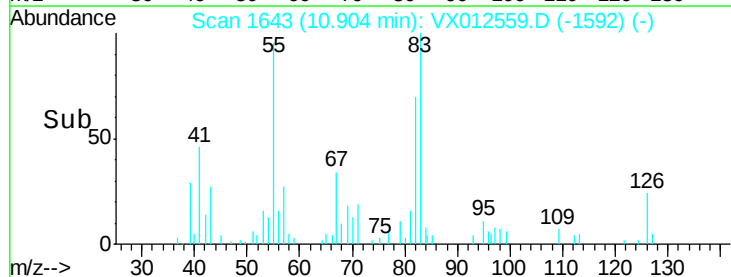
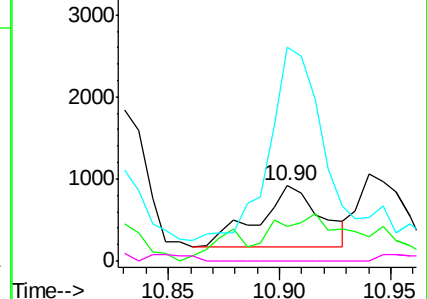


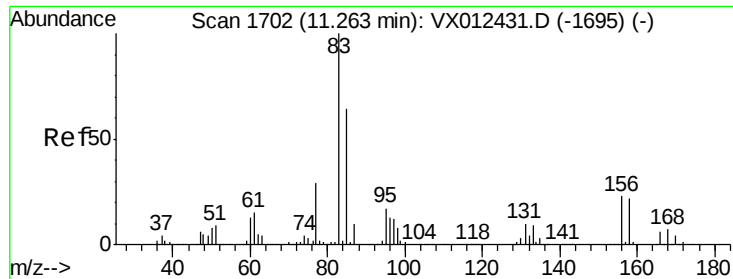
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.471 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

S13-0272DL

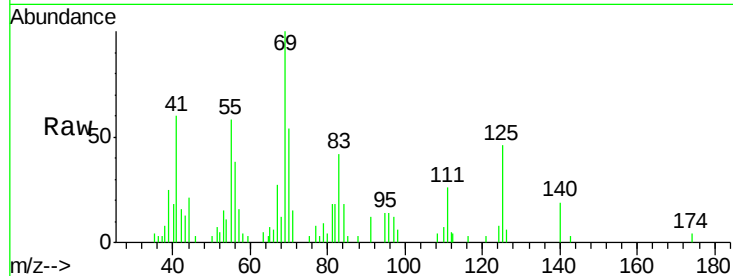
Tot Ion: 83 Resp: 1170

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

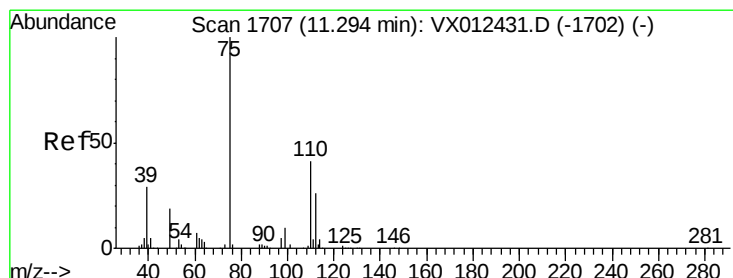
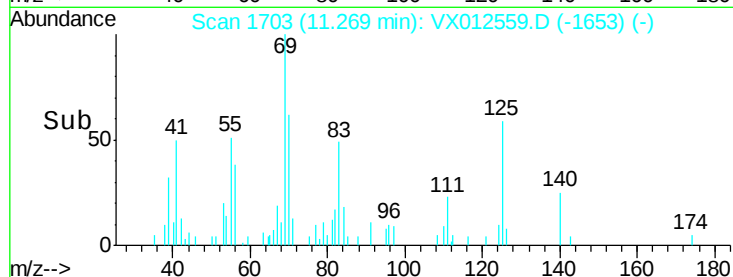
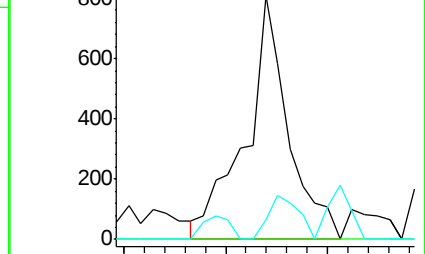
85 12.9 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.003 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012559.D

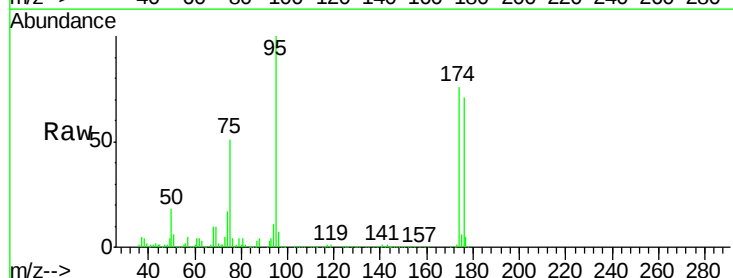
Acq: 20 Sep 2019 15:58

Tgt Ion: 75 Resp: 62637

Ion Ratio Lower Upper

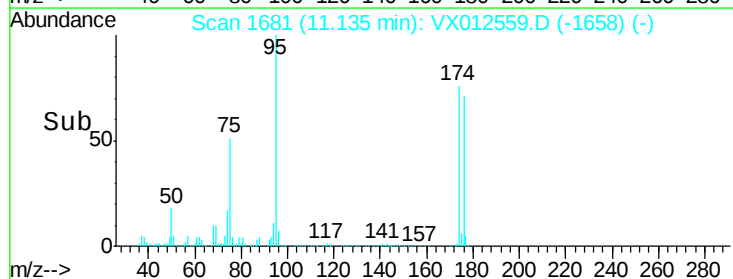
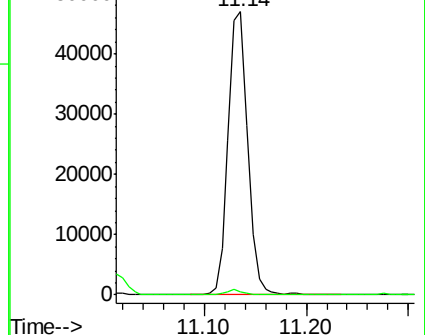
75 100

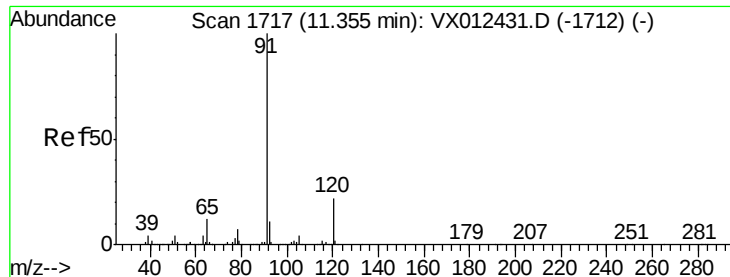
77 1.8 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 4.881 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

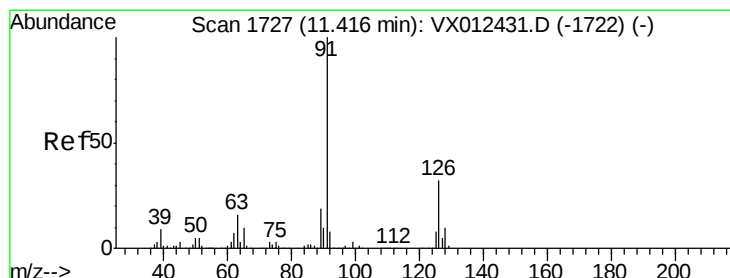
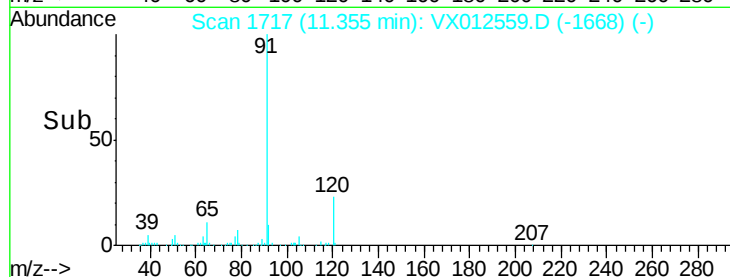
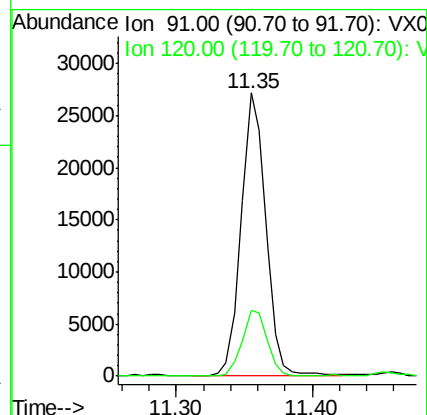
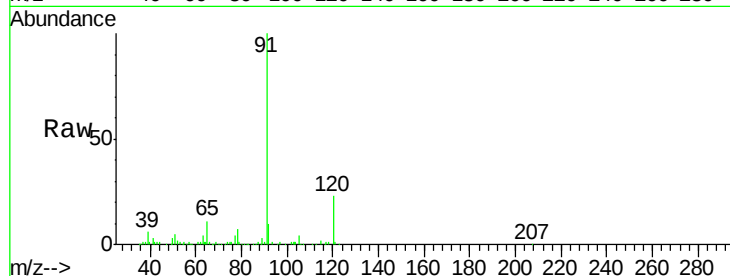
S13-0272DL

Tot Ion: 91 Resp: 34467

Ion Ratio Lower Upper

91 100

120 23.7 11.3 33.8



#79

2-Chlorotoluene

Concen: 7.502 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.06 min

Lab File: VX012559.D

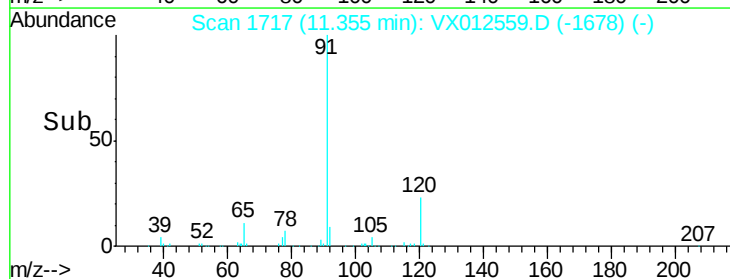
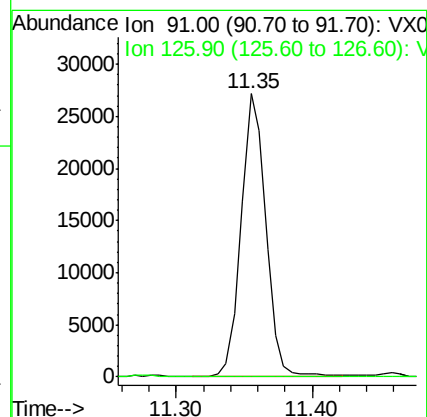
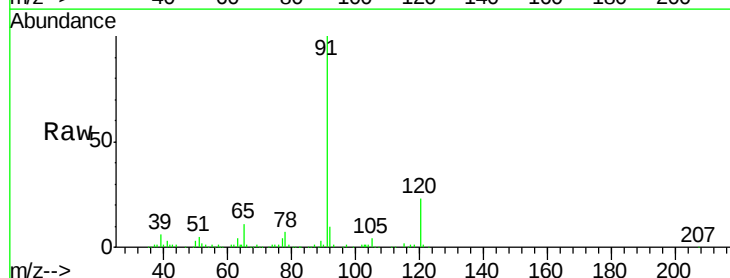
Acq: 20 Sep 2019 15:58

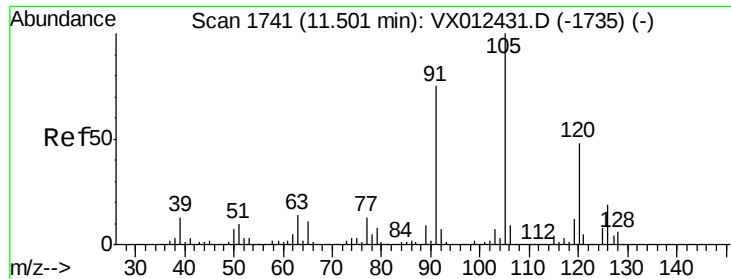
Tgt Ion: 91 Resp: 34467

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.4#

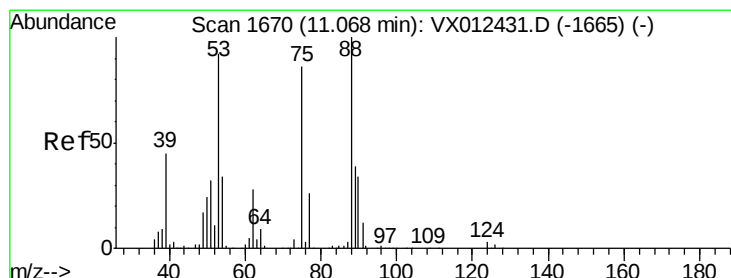
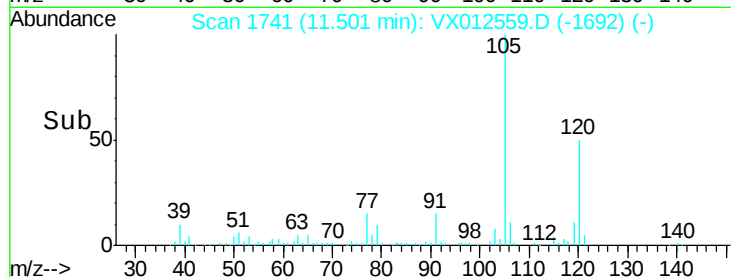
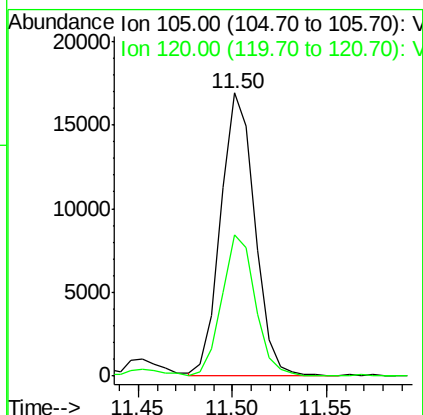
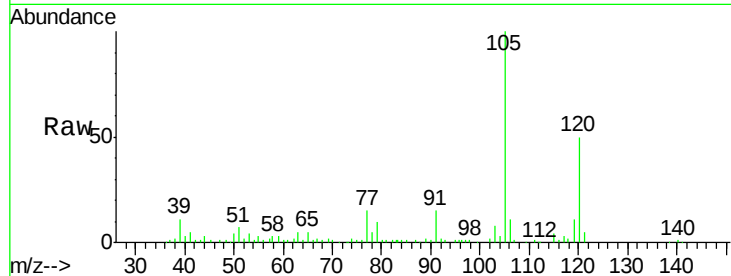




#80  
 1,3,5-Trimethylbenzene  
 Concen: 3.932 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX012559.D  
 Acq: 20 Sep 2019 15:58

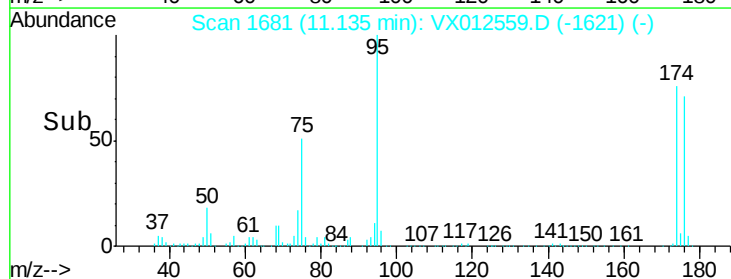
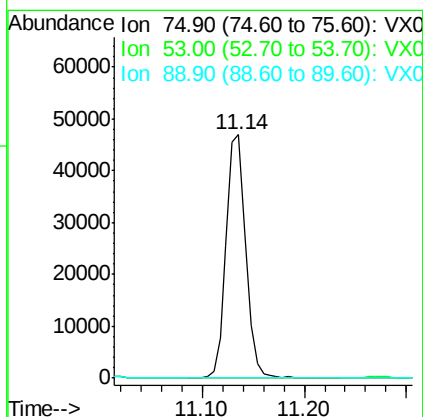
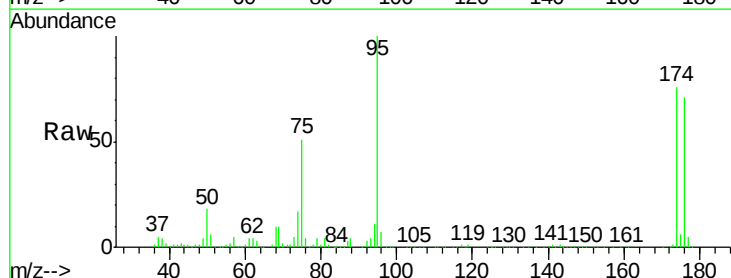
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0272DL

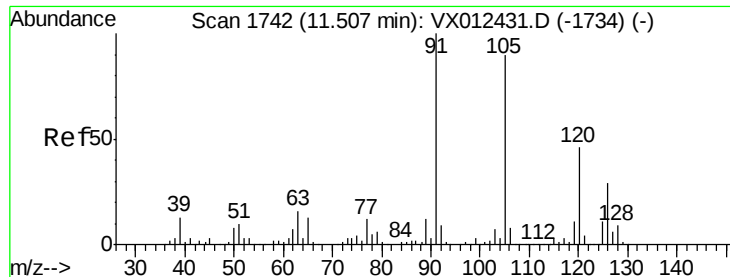
Tot Ion:105 Resp: 21249  
 Ion Ratio Lower Upper  
 105 100  
 120 49.2 24.3 72.8



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 72.639 ug/l  
 RT: 11.14 min Scan# 1681  
 Delta R.T. 0.07 min  
 Lab File: VX012559.D  
 Acq: 20 Sep 2019 15:58

Tgt Ion: 75 Resp: 62637  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.6 125.4#  
 89 0.0 36.3 54.5#

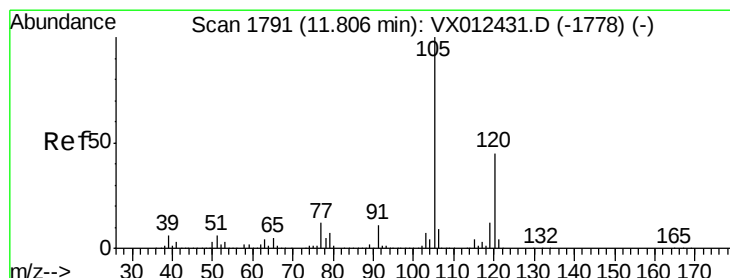
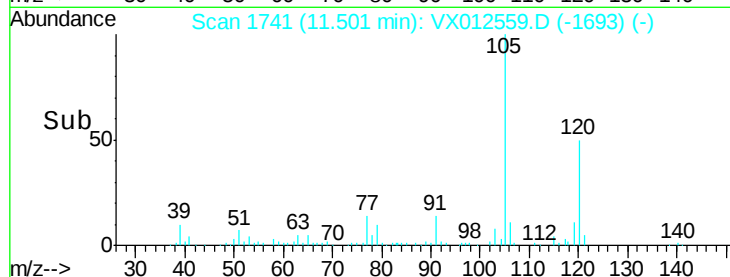
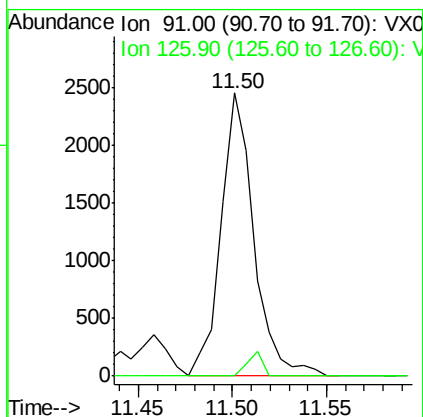
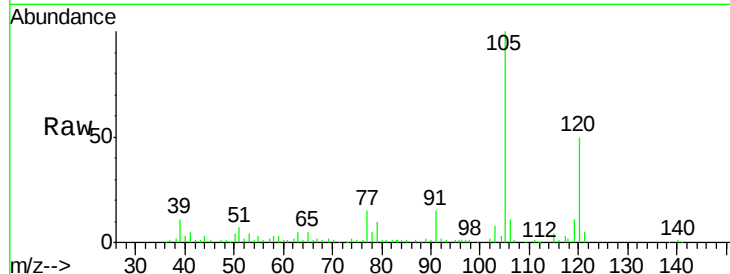




#82  
4-Chlorotoluene  
Concen: 0.563 ug/l  
RT: 11.50 min Scan# 1741  
Delta R.T. -0.01 min  
Lab File: VX012559.D  
Acq: 20 Sep 2019 15:58

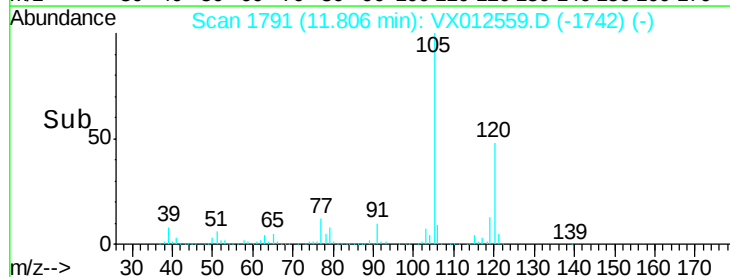
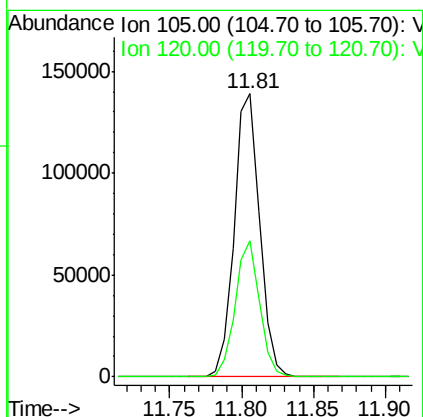
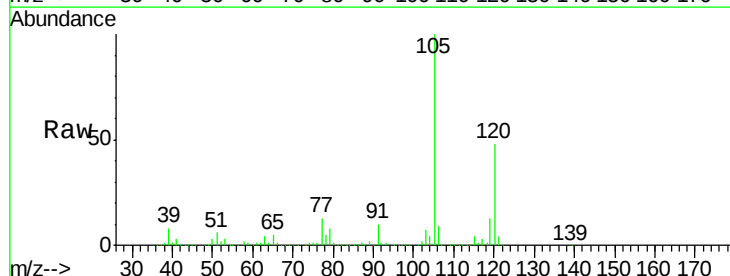
Instrument :  
MSVOA\_X  
ClientSampled :  
S13-0272DL

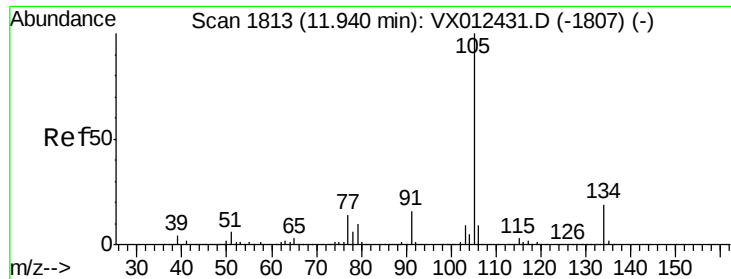
Tot Ion: 91 Resp: 2971  
Ion Ratio Lower Upper  
91 100  
126 4.0 14.4 43.0#



#84  
1,2,4-Trimethylbenzene  
Concen: 30.964 ug/l  
RT: 11.81 min Scan# 1791  
Delta R.T. 0.00 min  
Lab File: VX012559.D  
Acq: 20 Sep 2019 15:58

Tgt Ion: 105 Resp: 171797  
Ion Ratio Lower Upper  
105 100  
120 46.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.092 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampleID :

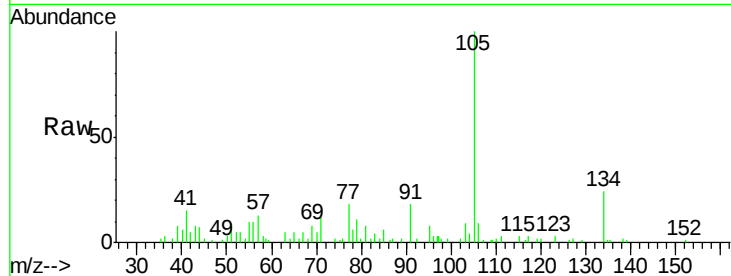
S13-0272DL

Tot Ion:105 Resp: 6965

Ion Ratio Lower Upper

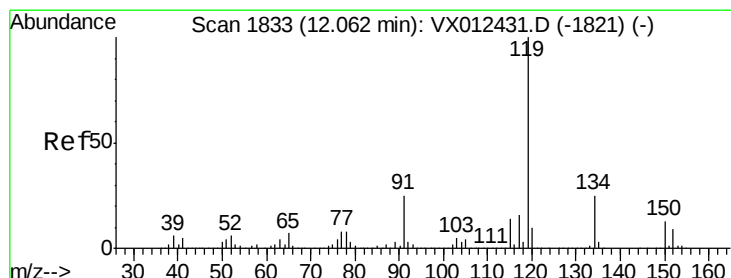
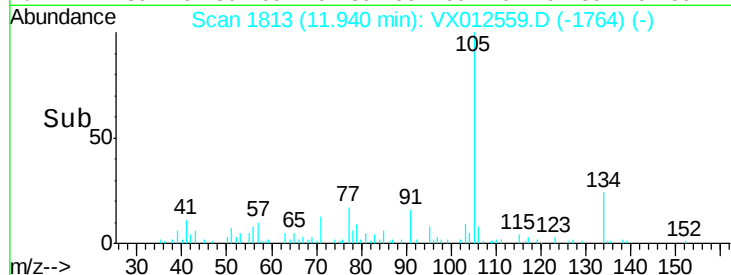
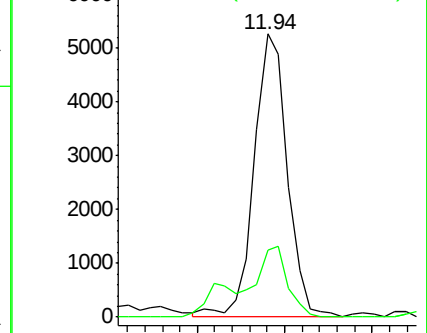
105 100

134 23.7 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.855 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

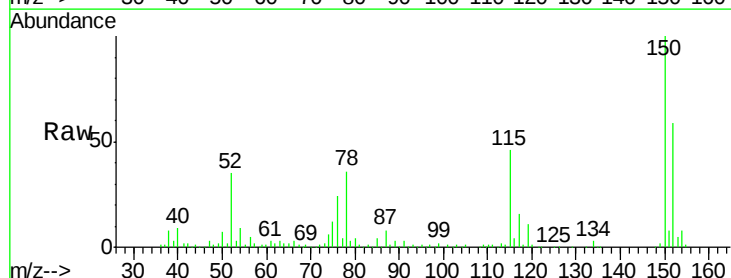
Tgt Ion:119 Resp: 5008

Ion Ratio Lower Upper

119 100

134 26.7 12.7 38.1

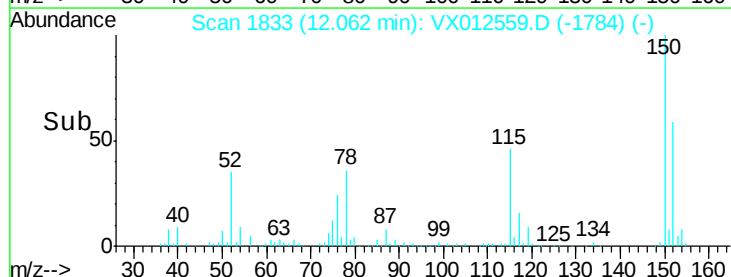
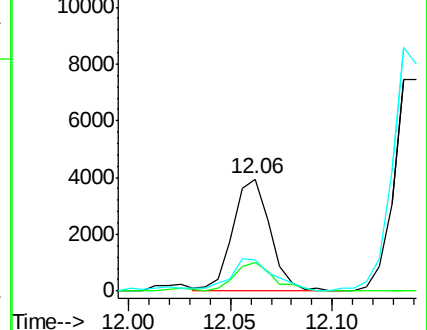
91 34.0 12.8 38.4

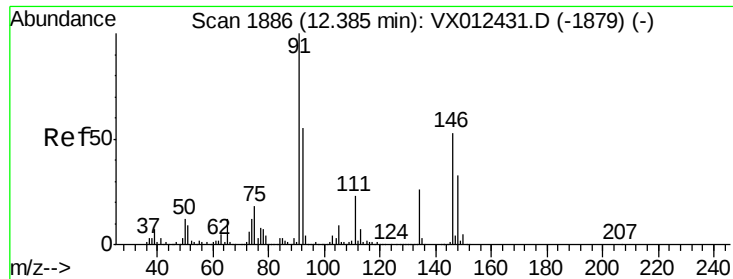


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 1.229 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampled :

S13-0272DL

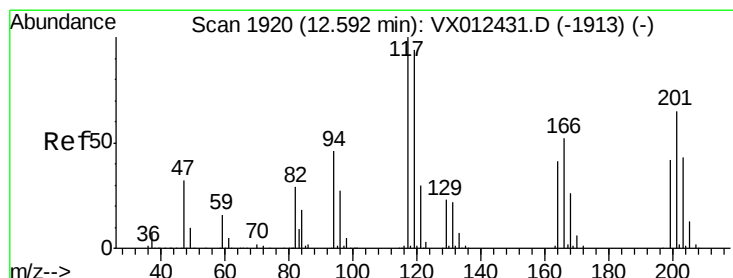
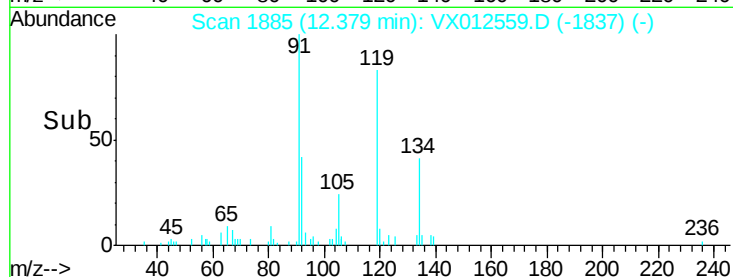
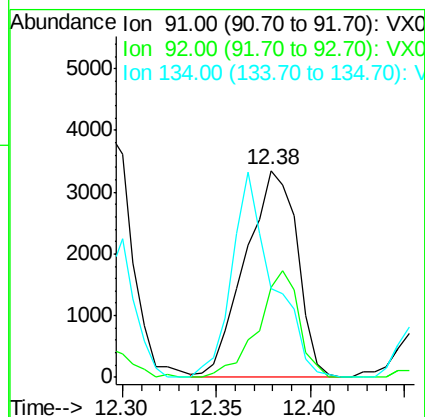
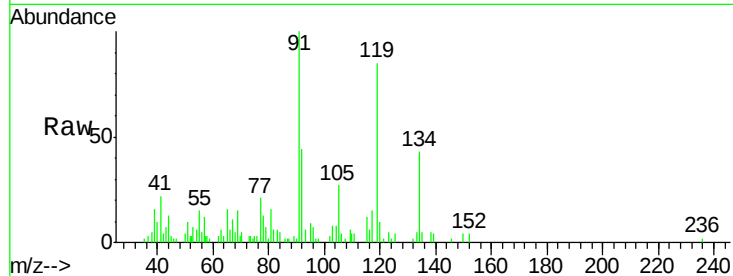
Tot Ion: 91 Resp: 6426

Ion Ratio Lower Upper

91 100

92 40.2 27.7 83.0

134 78.4 12.9 38.6#



#90

Hexachloroethane

Concen: 1.453 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX012559.D

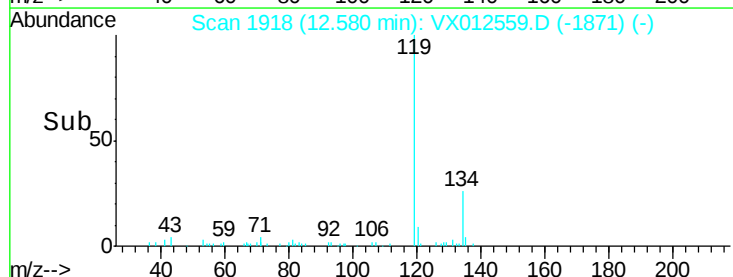
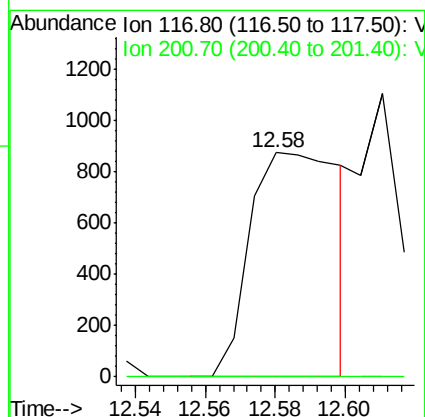
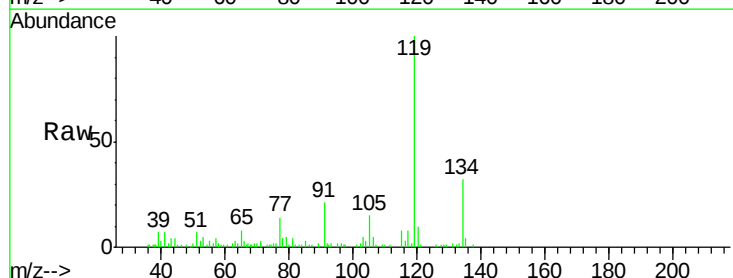
Acq: 20 Sep 2019 15:58

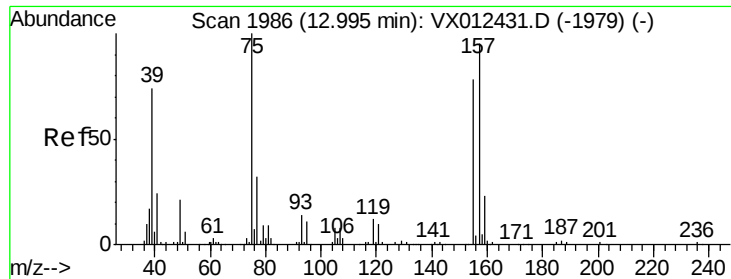
Tgt Ion: 117 Resp: 1561

Ion Ratio Lower Upper

117 100

201 0.0 33.3 99.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.208 ug/l

RT: 12.98 min Scan# 1983

Delta R.T. -0.02 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA\_X

ClientSampleId :

S13-0272DL

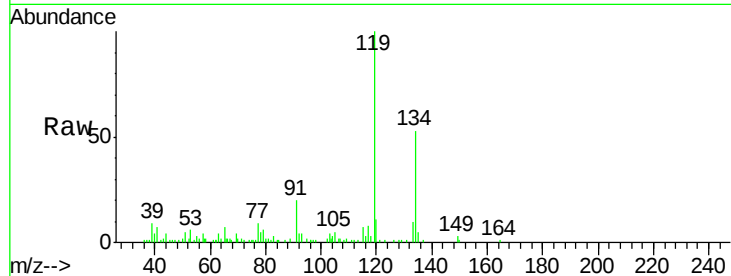
Tot Ion: 75 Resp: 134

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.8#

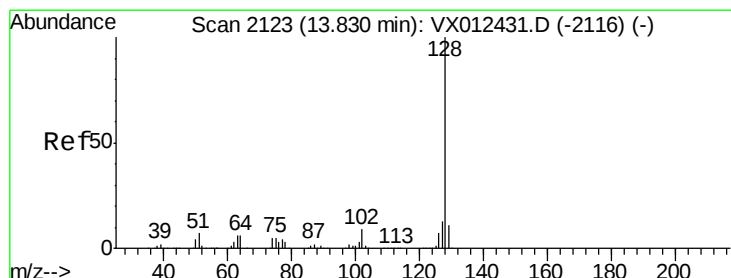
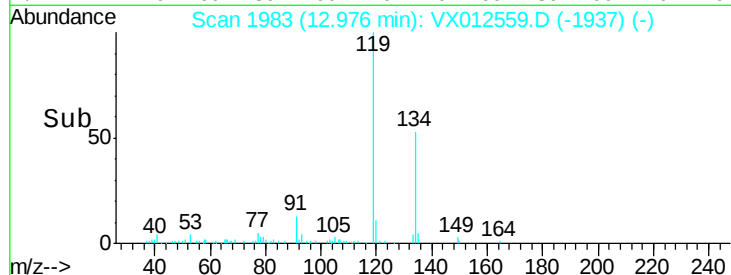
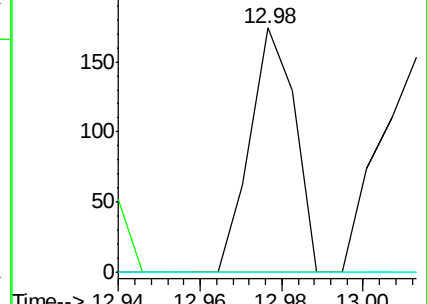
157 0.0 50.6 151.9#



Abundance Ion 74.90 (74.60 to 75.60): VX012431.D (-1979) (-)

Ion 154.80 (154.50 to 155.50): VX012431.D (-1979) (-)

Ion 156.80 (156.50 to 157.50): VX012431.D (-1979) (-)



#95

Naphthalene

Concen: 7.424 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

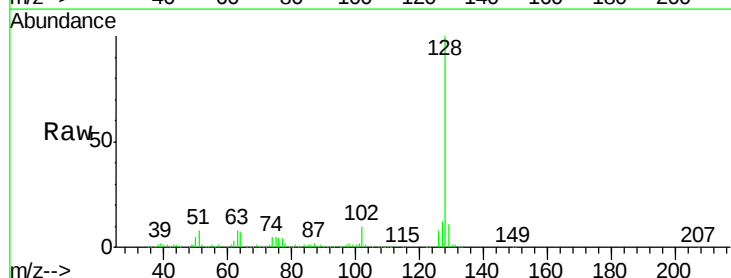
Tgt Ion: 128 Resp: 51696

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): VX012431.D (-2116) (-)

Ion 127.00 (126.70 to 127.70): VX012431.D (-2116) (-)

Ion 129.00 (128.70 to 129.70): VX012431.D (-2116) (-)

