

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070920\  
 Data File : VX017317.D  
 Acq On : 09 Jul 2020 18:50  
 Operator : JC/SP  
 Sample : L3217-11 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 E3-41-NHS

Quant Time: Jul 10 07:06:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 262847   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 432106   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 457085   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 249521   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 169335   | 52.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.52% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 144956   | 53.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.06% |          |
| 50) Toluene-d8              | 8.70  | 98   | 531903   | 52.62 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.24% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 229951   | 58.20 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 116.40% |          |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 5) Bromomethane            | 1.64  | 94   | 454      | 0.301  | ug/l # | 57     |
| 8) Diethyl Ether           | 2.06  | 74   | 90       | 0.428  | ug/l   | 63     |
| 11) Tert butyl alcohol     | 3.01  | 59   | 899      | 1.454  | ug/l # | 78     |
| 13) Acrolein               | 2.28  | 56   | 794      | 2.149  | ug/l # | 76     |
| 14) Allyl chloride         | 2.68  | 41   | 1403     | 0.292  | ug/l # | 54     |
| 15) Acrylonitrile          | 3.14  | 53   | 490      | 0.330  | ug/l # | 58     |
| 16) Acetone                | 2.42  | 43   | 8376     | 6.910  | ug/l   | 89     |
| 17) Carbon Disulfide       | 2.55  | 76   | 1618     | 0.246  | ug/l # | 91     |
| 18) Methyl Acetate         | 2.75  | 43   | 1493     | 0.472  | ug/l   | 96     |
| 20) Methylene Chloride     | 2.84  | 84   | 4933     | 1.007  | ug/l # | 90     |
| 24) 1,1-Dichloroethane     | 3.68  | 63   | 1080     | 0.213  | ug/l # | 82     |
| 25) 2-Butanone             | 4.64  | 43   | 3910     | 1.936  | ug/l   | 90     |
| 26) 2,2-Dichloropropane    | 4.65  | 77   | 999      | 0.222  | ug/l # | 53     |
| 29) Tetrahydrofuran        | 5.10  | 42   | 1079     | 0.809  | ug/l # | 71     |
| 30) Chloroform             | 5.17  | 83   | 10198    | 1.966  | ug/l   | 91     |
| 32) 1,1,1-Trichloroethane  | 5.47  | 97   | 9992     | 2.091  | ug/l   | 98     |
| 36) 1,1-Dichloropropene    | 5.63  | 75   | 19854    | 4.862  | ug/l # | 50     |
| 38) Carbon Tetrachloride   | 5.64  | 117  | 26208    | 5.826  | ug/l # | 17     |
| 42) 1,2-Dichloroethane     | 6.17  | 62   | 1992     | 0.460  | ug/l   | 95     |
| 43) Isopropyl Acetate      | 6.42  | 43   | 5501     | 0.799  | ug/l # | 94     |
| 44) Trichloroethene        | 7.20  | 130  | 2145     | 0.340  | ug/l   | 85     |
| 49) 1,4-Dioxane            | 7.73  | 88   | 467      | 6.302  | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone   | 8.60  | 43   | 5763     | 1.404  | ug/l # | 50     |
| 52) Toluene                | 8.77  | 92   | 8965     | 1.197  | ug/l   | 97     |
| 59) 2-Hexanone             | 9.56  | 43   | 875      | 0.292  | ug/l   | 72     |
| 60) Dibromochloromethane   | 9.32  | 129  | 2326     | 0.654  | ug/l # | 10     |
| 64) Tetrachloroethene      | 9.32  | 164  | 2381     | 0.645  | ug/l   | 83     |
| 67) Ethyl Benzene          | 10.23 | 91   | 8269     | 0.525  | ug/l   | 97     |
| 68) m/p-Xylenes            | 10.34 | 106  | 12005    | 1.985  | ug/l   | 98     |
| 69) o-Xylene               | 10.68 | 106  | 12883    | 2.239  | ug/l   | 98     |
| 73) Isopropylbenzene       | 11.00 | 105  | 9577     | 0.586  | ug/l   | 100    |
| 76) 1,2,3-Trichloropropane | 11.12 | 75   | 114665   | 23.369 | ug/l # | 37     |
| 78) n-propylbenzene        | 11.34 | 91   | 24638    | 1.333  | ug/l   | 99     |
| 79) 2-Chlorotoluene        | 11.42 | 91   | 17833    | 1.594  | ug/l # | 42     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\  
 Data File : VX017317.D  
 Acq On : 09 Jul 2020 18:50  
 Operator : JC/SP  
 Sample : L3217-11 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 E3-41-NHS

Quant Time: Jul 10 07:06:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

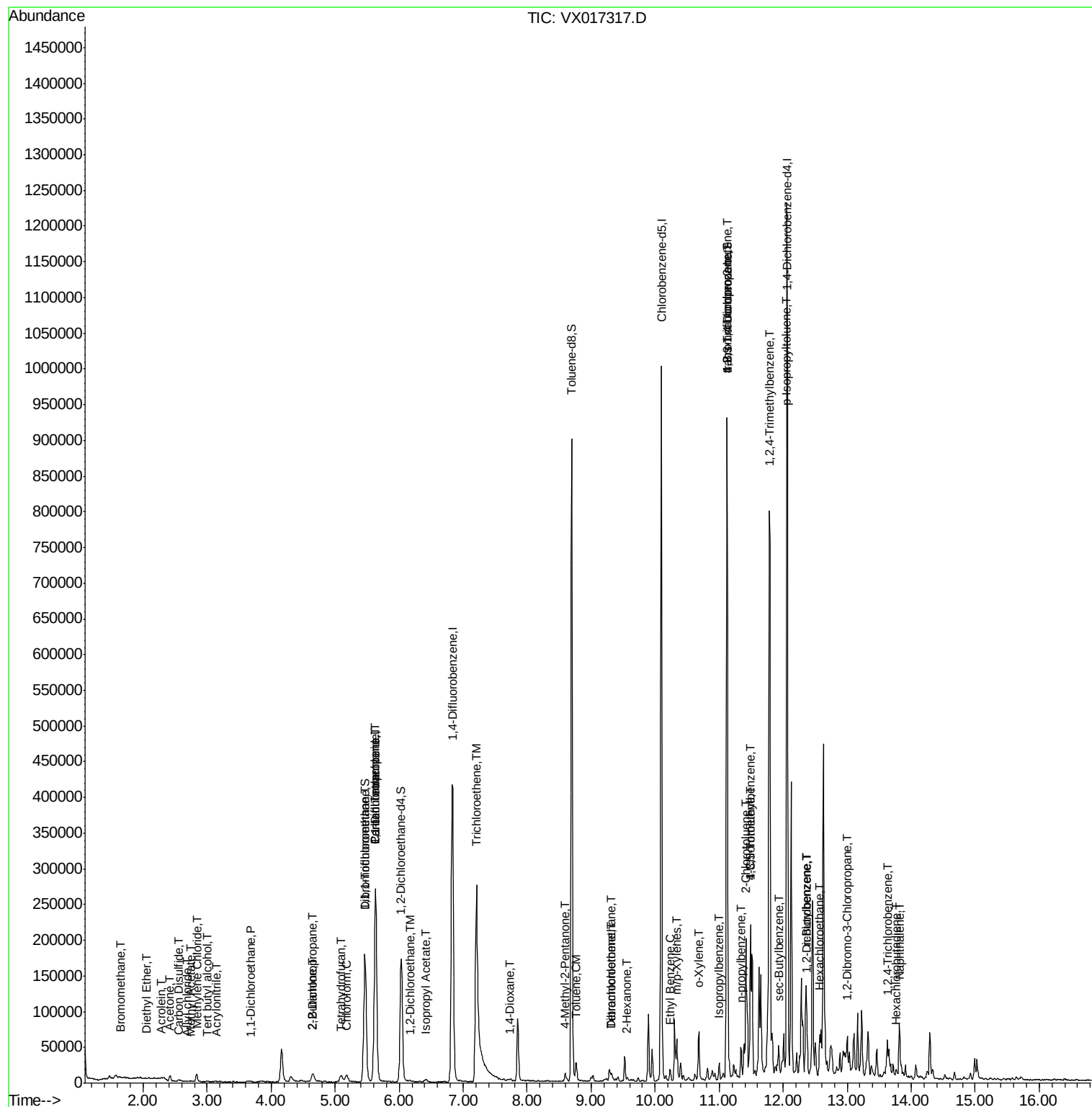
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 72871    | 5.375     | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75   | 114665   | 60.518    | ug/l # | 13       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 9611     | 0.719     | ug/l # | 54       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 294591   | 21.419    | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 10967    | 0.701     | ug/l # | 75       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 12931    | 0.888     | ug/l   | 89       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 1375     | Below Cal | #      | 6        |
| 89) n-Butylbenzene             | 12.37 | 91   | 18290    | 1.407     | ug/l # | 35       |
| 90) Hexachloroethane           | 12.57 | 117  | 3055     | 1.064     | ug/l # | 10       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 10738    | 1.408     | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 511      | 0.417     | ug/l # | 2        |
| 93) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 1199     | 0.230     | ug/l # | 65       |
| 94) Hexachlorobutadiene        | 13.76 | 225  | 386      | 1.036     | ug/l   | 85       |
| 95) Naphthalene                | 13.82 | 128  | 42884    | 2.710     | ug/l   | 99       |

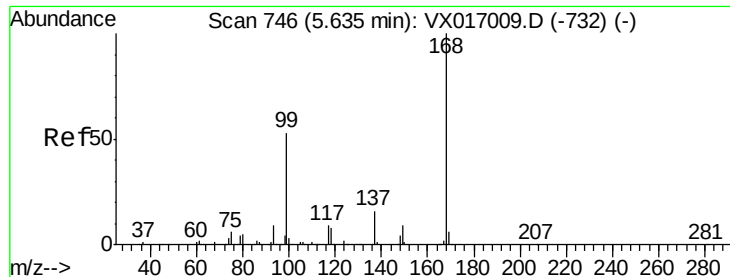
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070920\  
Data File : VX017317.D  
Acq On : 09 Jul 2020 18:50  
Operator : JC/SP  
Sample : L3217-11 20X  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
E3-41-NHS

Quant Time: Jul 10 07:06:30 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 29 17:10:38 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

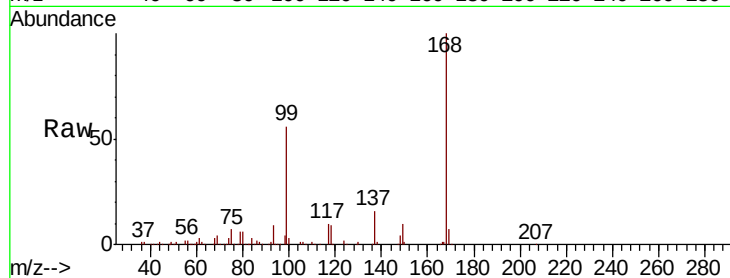
E3-41-NHS

Tot Ion:168 Resp: 262847

Ion Ratio Lower Upper

168 100

99 55.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

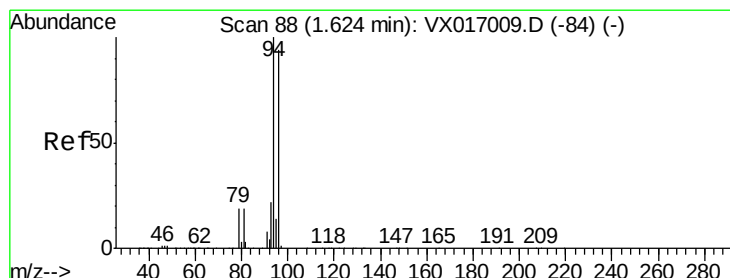
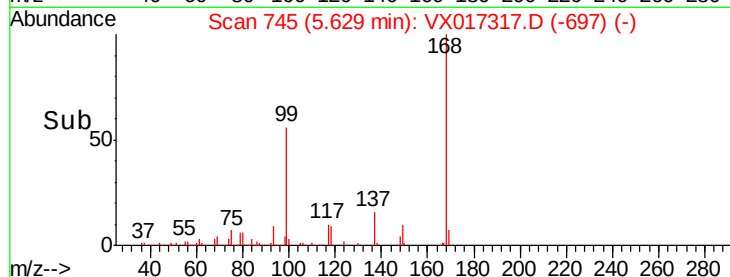
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.301 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017317.D

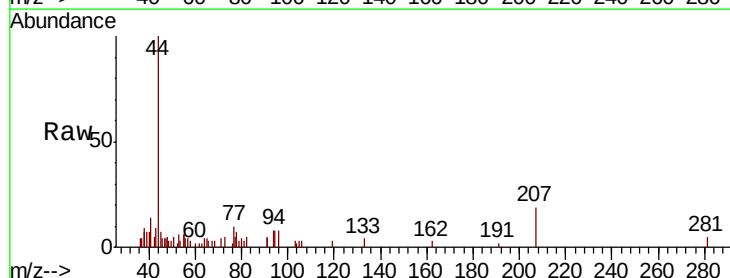
Acq: 09 Jul 2020 18:50

Tgt Ion: 94 Resp: 454

Ion Ratio Lower Upper

94 100

96 52.4 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

300

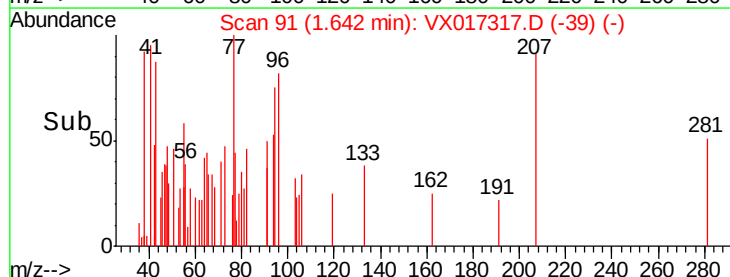
200

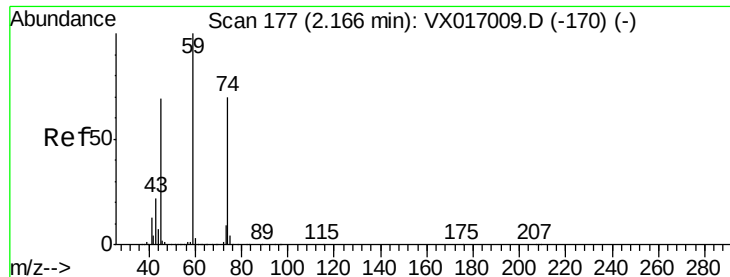
100

0

1.60 1.62 1.64 1.66

Time-->

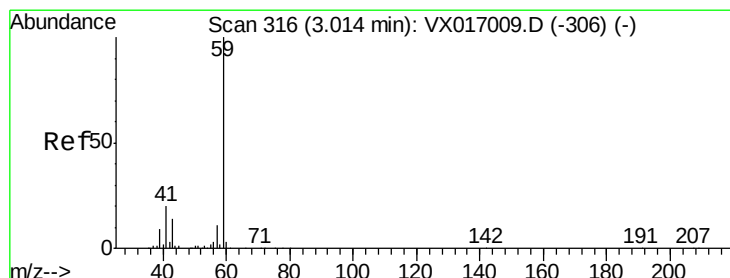
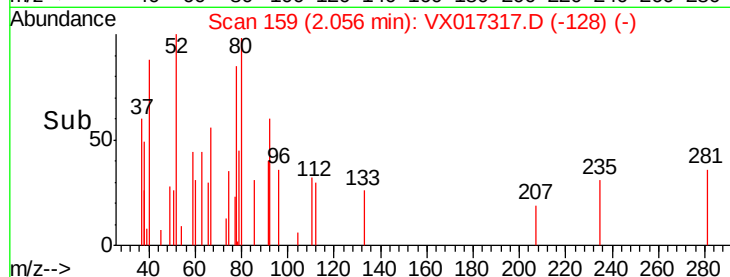
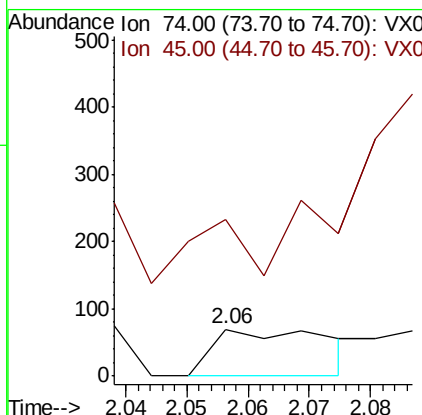
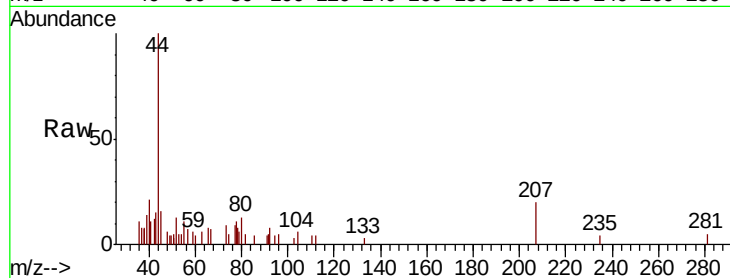




#8  
Diethyl Ether  
Concen: 0.428 ug/l  
RT: 2.06 min Scan# 159  
Delta R.T. -0.11 min  
Lab File: VX017317.D  
Acq: 09 Jul 2020 18:50

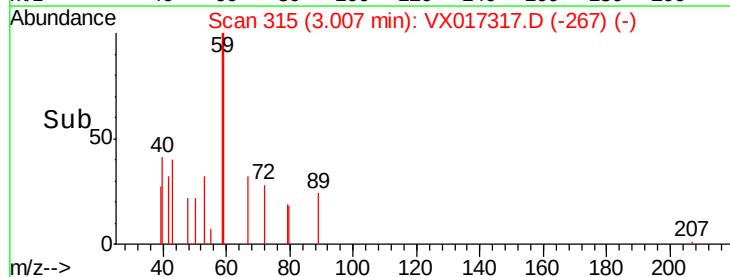
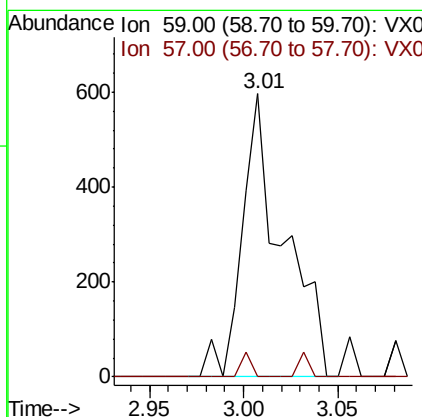
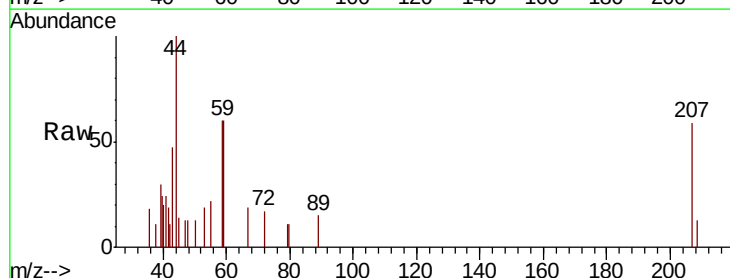
Instrument :  
MSVOA\_X  
ClientSampled :  
E3-41-NHS

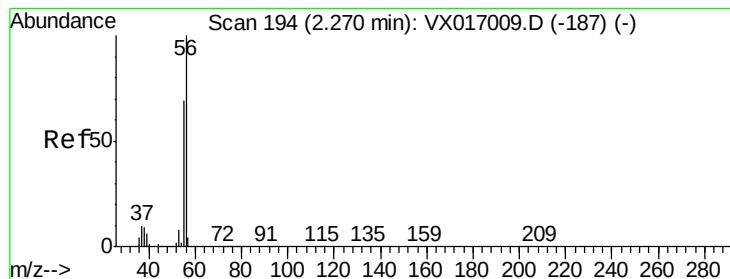
Tot Ion: 74 Resp: 90  
Ion Ratio Lower Upper  
74 100  
45 62.2 49.8 149.3



#11  
Tert butyl alcohol  
Concen: 1.454 ug/l  
RT: 3.01 min Scan# 315  
Delta R.T. -0.01 min  
Lab File: VX017317.D  
Acq: 09 Jul 2020 18:50

Tgt Ion: 59 Resp: 899  
Ion Ratio Lower Upper  
59 100  
57 2.1 8.2 12.2#





#13

Acrolein

Concen: 2.149 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampled :

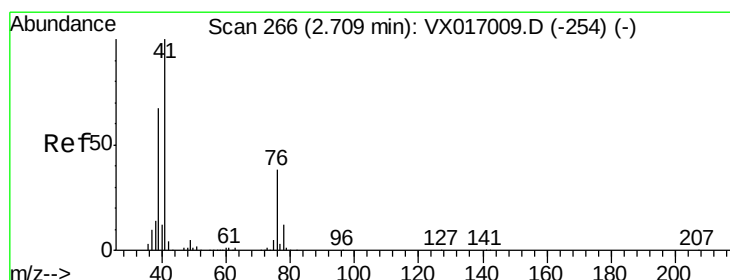
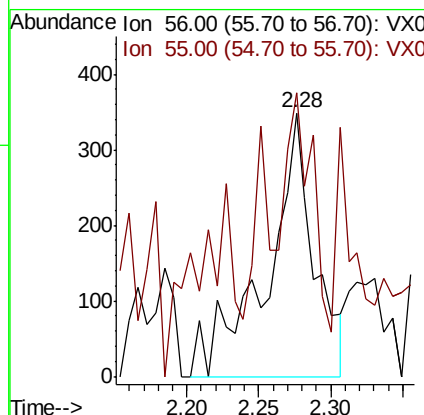
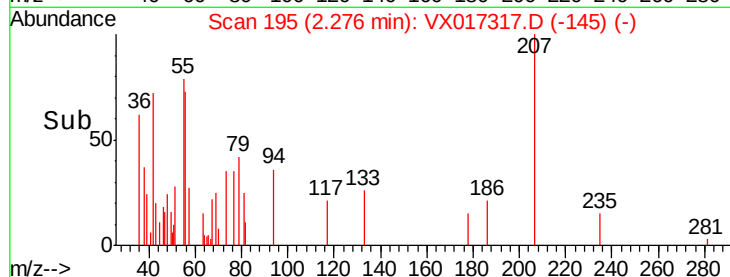
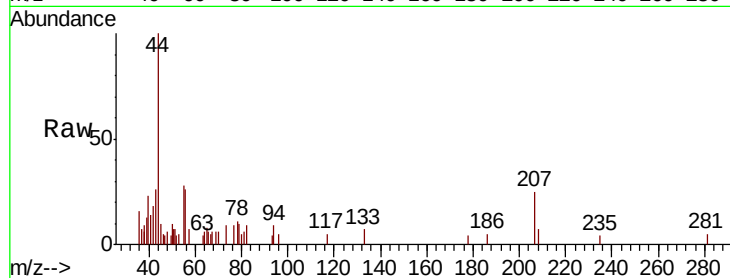
E3-41-NHS

Tot Ion: 56 Resp: 794

Ion Ratio Lower Upper

56 100

55 49.9 55.7 83.5#



#14

Allyl chloride

Concen: 0.292 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

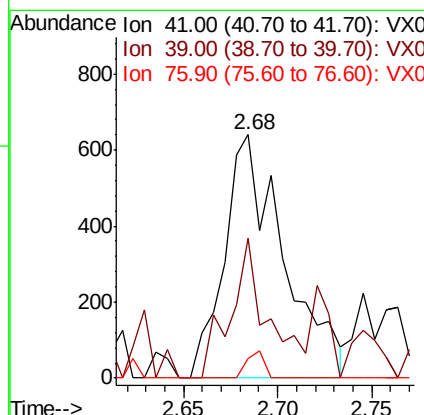
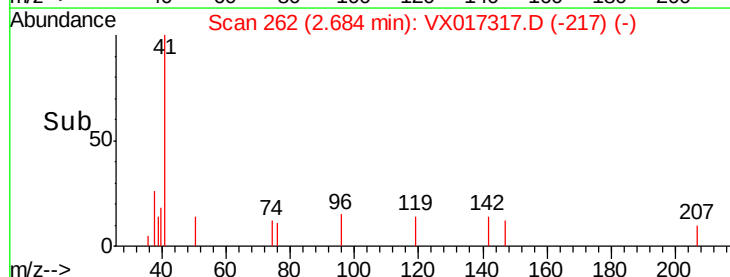
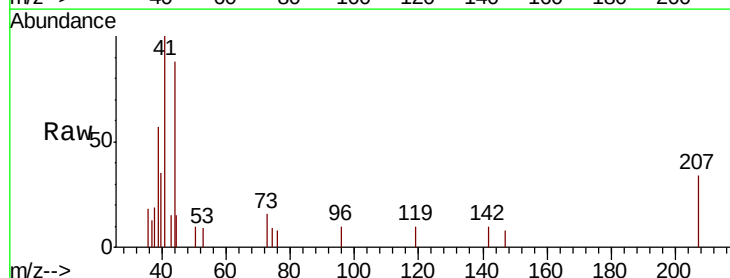
Tgt Ion: 41 Resp: 1403

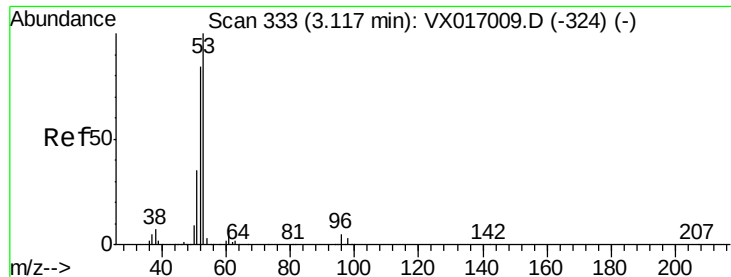
Ion Ratio Lower Upper

41 100

39 32.1 49.4 74.2#

76 0.0 26.8 40.2#





#15

Acrylonitrile

Concen: 0.330 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.02 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampled :

E3-41-NHS

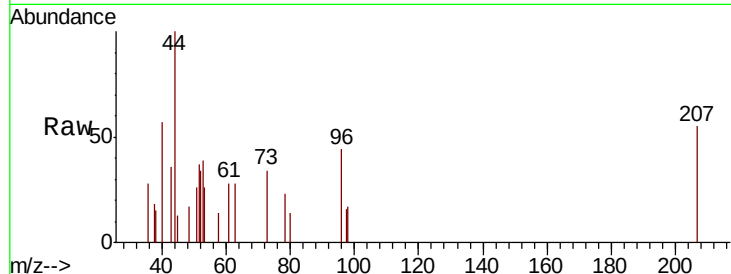
Tot Ion: 53 Resp: 490

Ion Ratio Lower Upper

53 100

52 125.7 65.6 98.4#

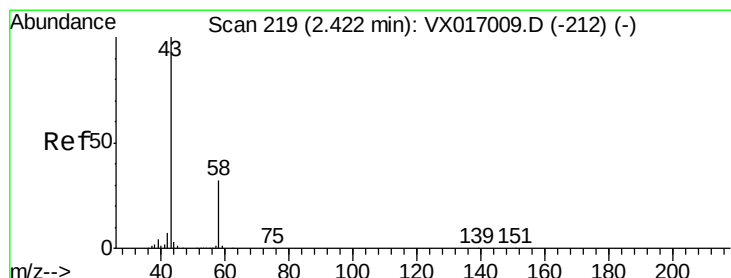
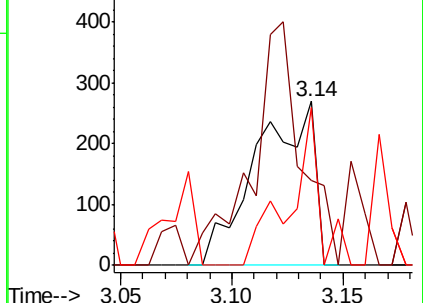
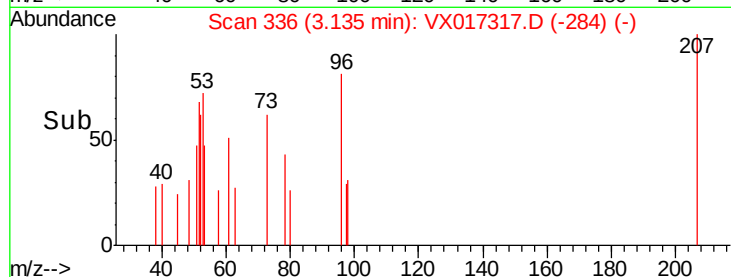
51 49.8 28.3 42.5#



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: 6.910 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017317.D

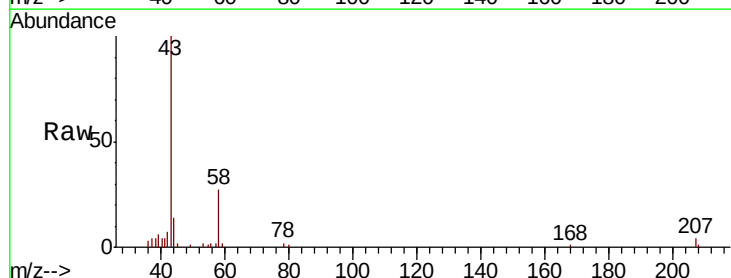
Acq: 09 Jul 2020 18:50

Tgt Ion: 43 Resp: 8376

Ion Ratio Lower Upper

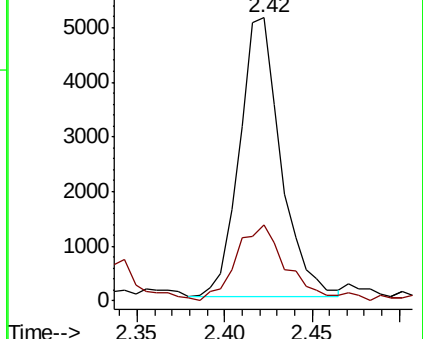
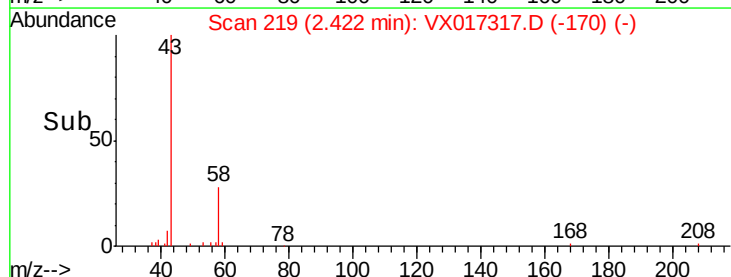
43 100

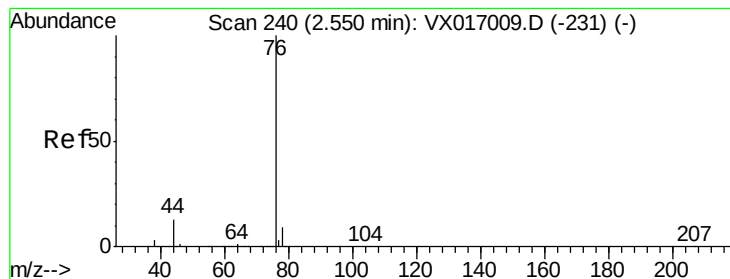
58 25.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.246 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampled :

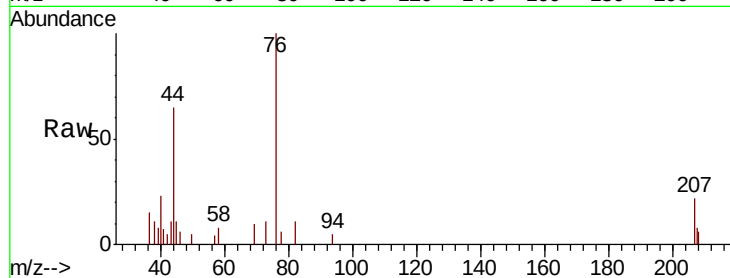
E3-41-NHS

Tot Ion: 76 Resp: 1618

Ion Ratio Lower Upper

76 100

78 5.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

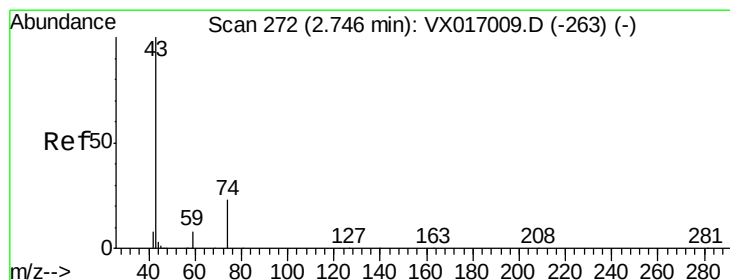
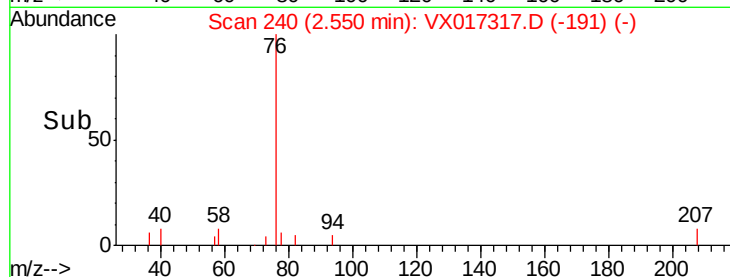
2.55

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.472 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX017317.D

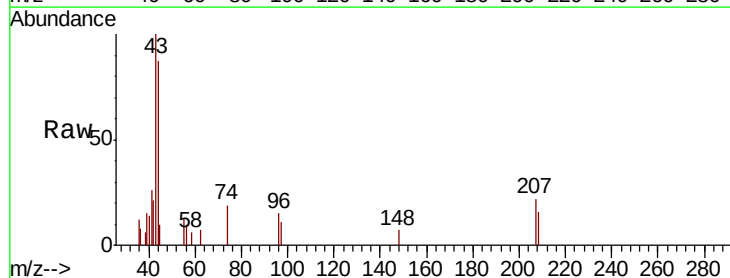
Acq: 09 Jul 2020 18:50

Tgt Ion: 43 Resp: 1493

Ion Ratio Lower Upper

43 100

74 22.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

1000

800

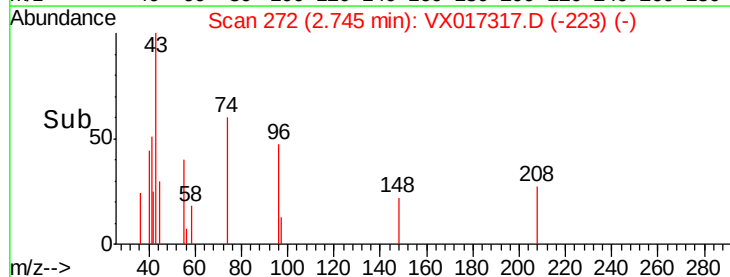
600

400

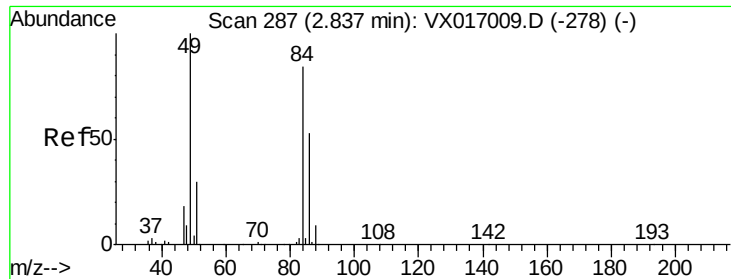
200

0

Time-->



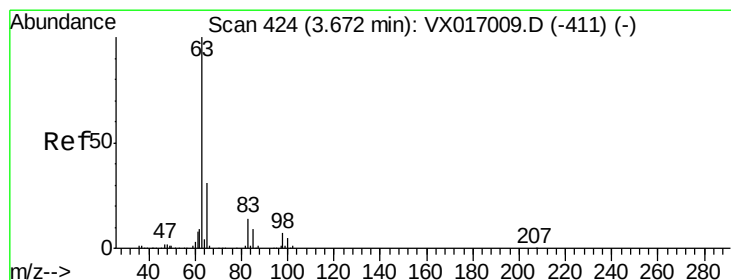
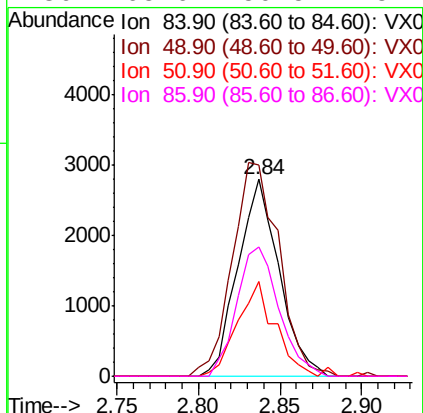
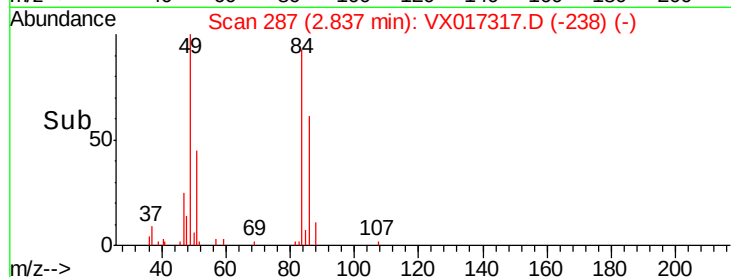
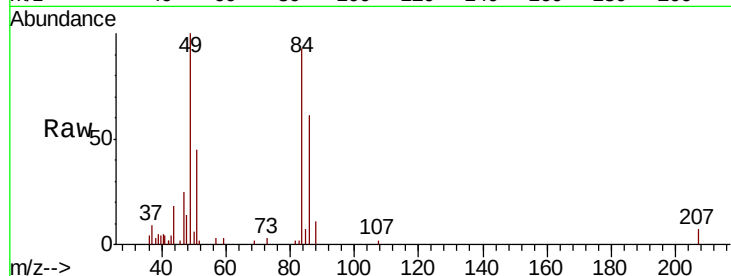




#20  
Methylene Chloride  
Concen: 1.007 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VX017317.D  
Acq: 09 Jul 2020 18:50

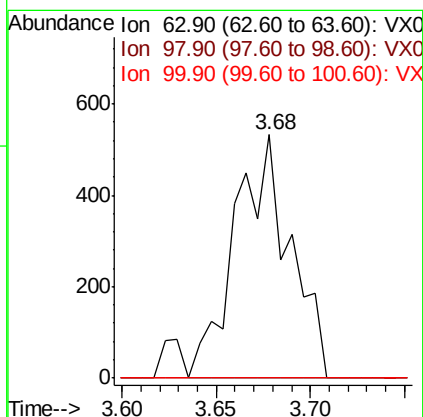
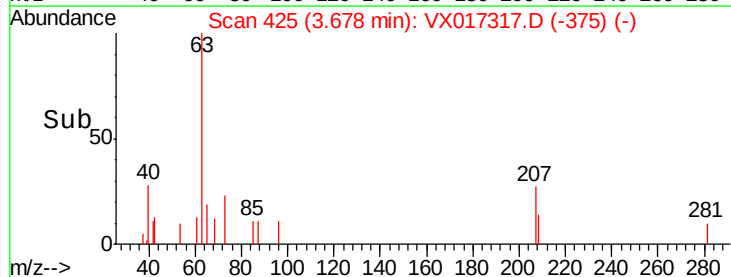
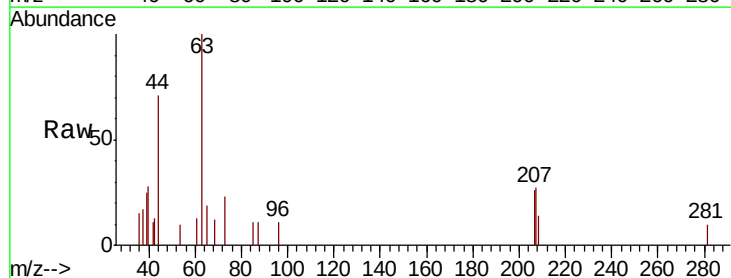
Instrument :  
MSVOA\_X  
ClientSampleId :  
E3-41-NHS

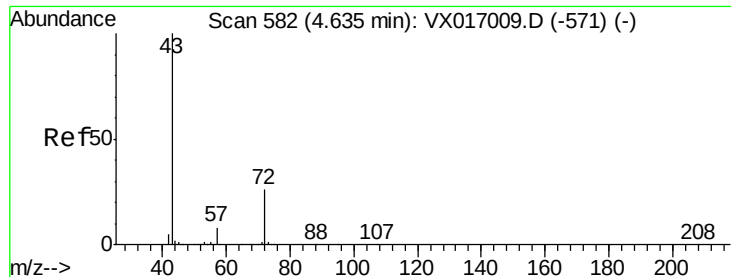
Tot Ion: 84 Resp: 4933  
Ion Ratio Lower Upper  
84 100  
49 107.5 94.7 142.1  
51 48.3 28.6 42.8#  
86 65.6 50.5 75.7



#24  
1,1-Dichloroethane  
Concen: 0.213 ug/l  
RT: 3.68 min Scan# 425  
Delta R.T. 0.01 min  
Lab File: VX017317.D  
Acq: 09 Jul 2020 18:50

Tgt Ion: 63 Resp: 1080  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.6 10.8#  
100 0.0 2.4 7.1#





#25

2-Butanone

Concen: 1.936 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampled :

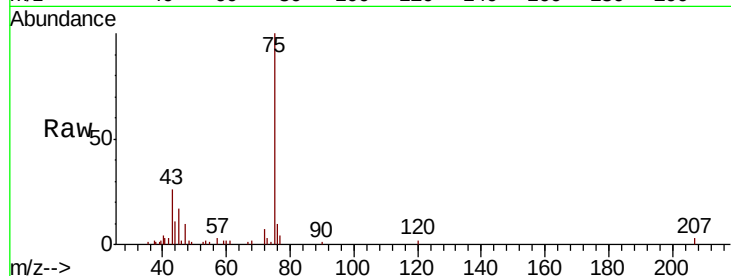
E3-41-NHS

Tot Ion: 43 Resp: 3910

Ion Ratio Lower Upper

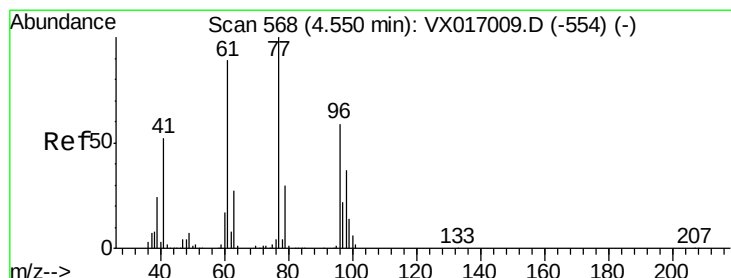
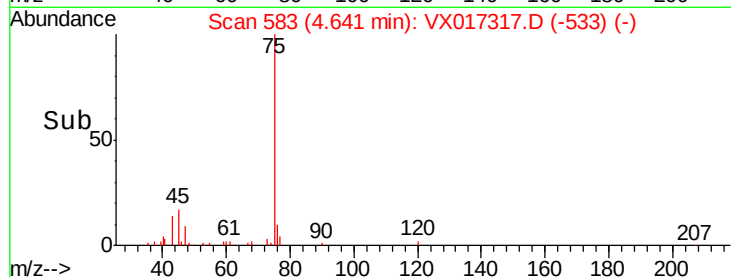
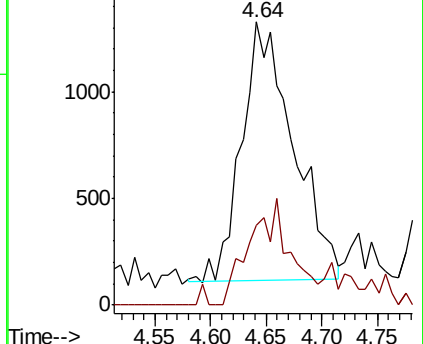
43 100

72 31.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.222 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.10 min

Lab File: VX017317.D

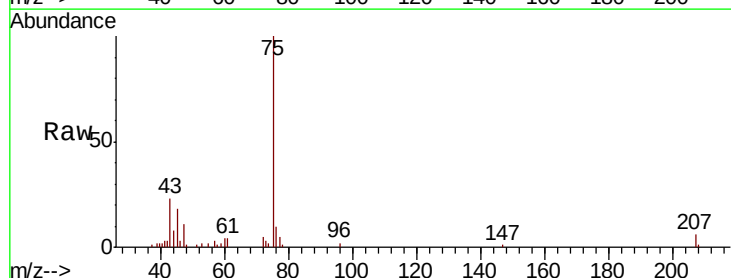
Acq: 09 Jul 2020 18:50

Tgt Ion: 77 Resp: 999

Ion Ratio Lower Upper

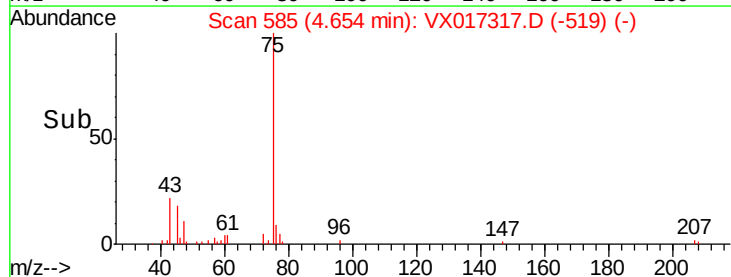
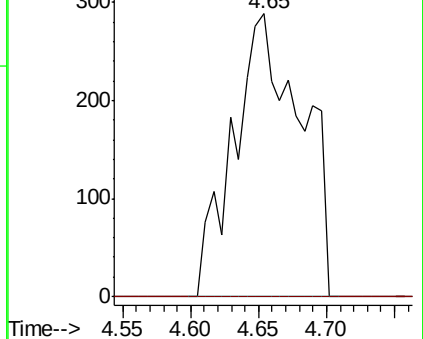
77 100

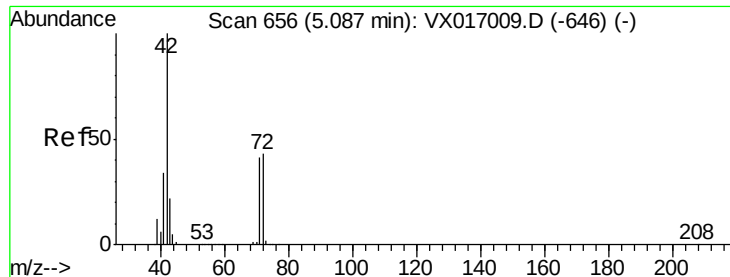
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#29

Tetrahydrofuran

Concen: 0.809 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampled :

E3-41-NHS

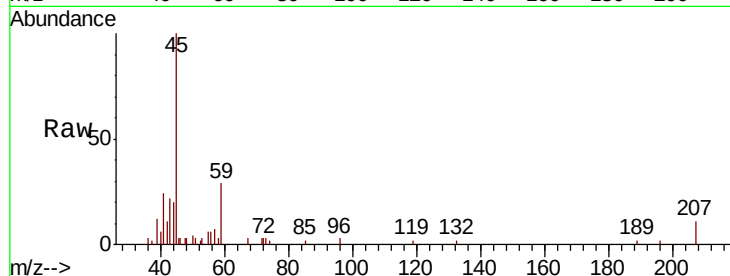
Tot Ion: 42 Resp: 1079

Ion Ratio Lower Upper

42 100

72 47.8 35.3 52.9

71 8.2 33.1 49.7#

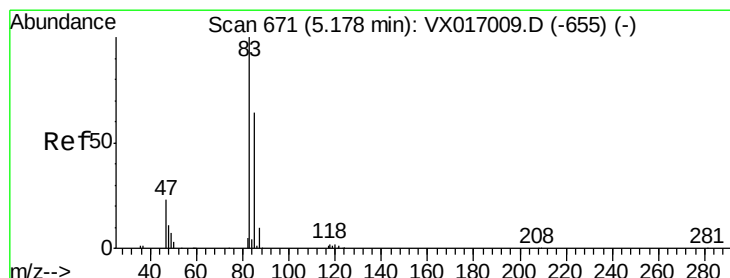
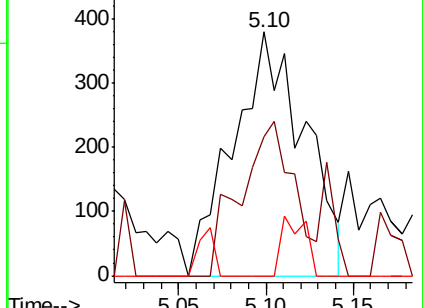
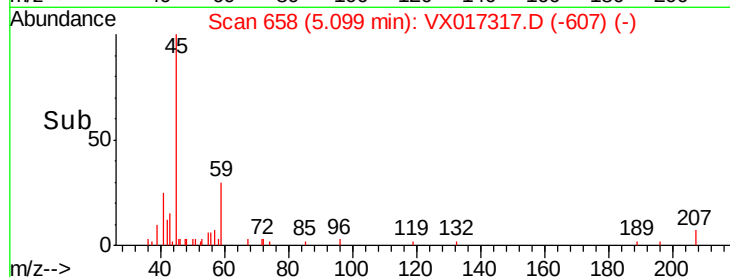


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

5.10



#30

Chloroform

Concen: 1.966 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX017317.D

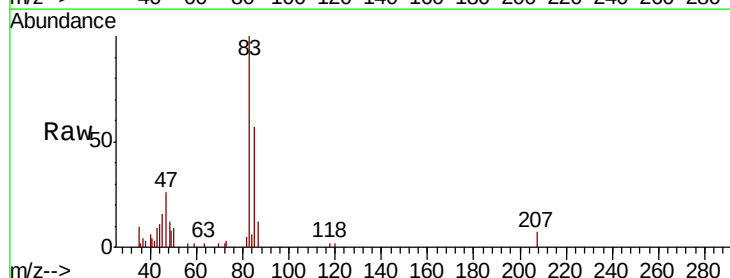
Acq: 09 Jul 2020 18:50

Tgt Ion: 83 Resp: 10198

Ion Ratio Lower Upper

83 100

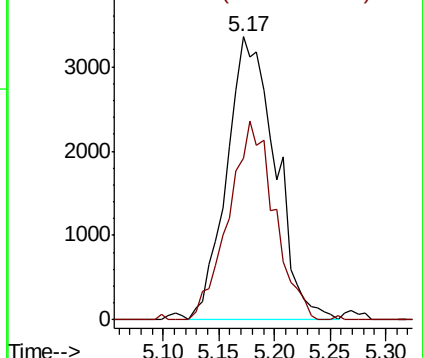
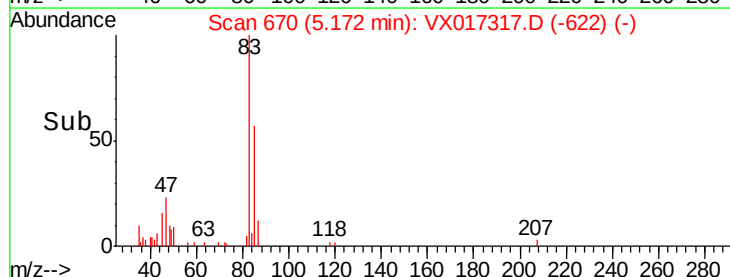
85 57.1 51.4 77.2

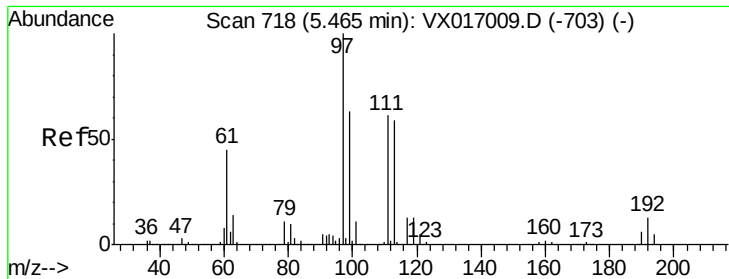


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.17





#32

1,1,1-Trichloroethane

Concen: 2.091 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampled :

E3-41-NHS

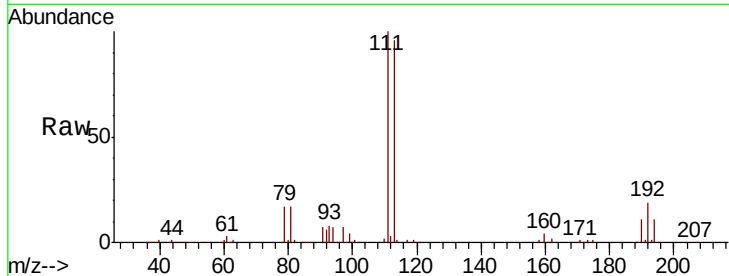
Tot Ion: 97 Resp: 9992

Ion Ratio Lower Upper

97 100

99 63.1 50.8 76.2

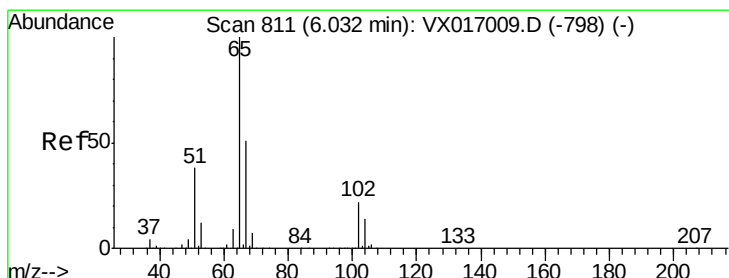
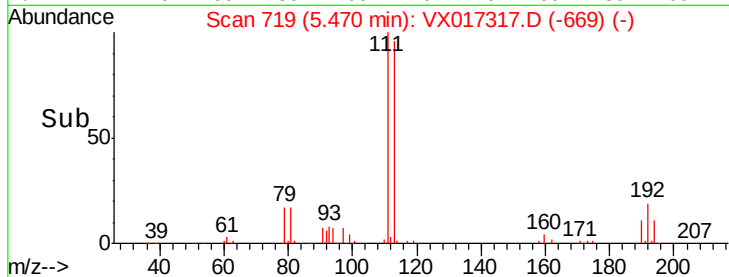
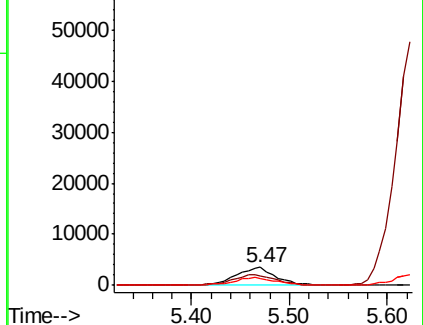
61 44.7 33.7 50.5



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.258 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017317.D

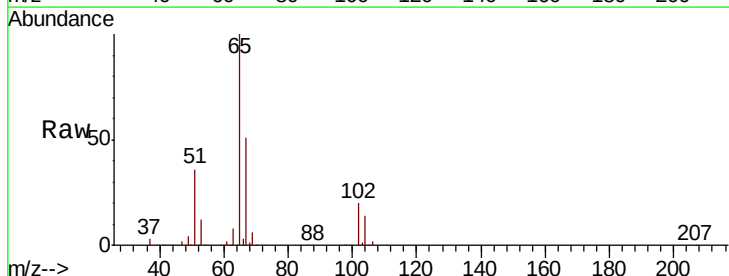
Acq: 09 Jul 2020 18:50

Tgt Ion: 65 Resp: 169335

Ion Ratio Lower Upper

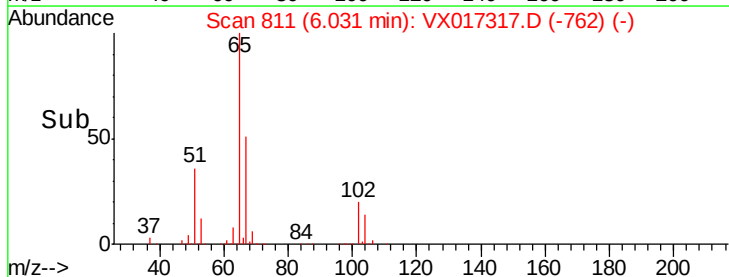
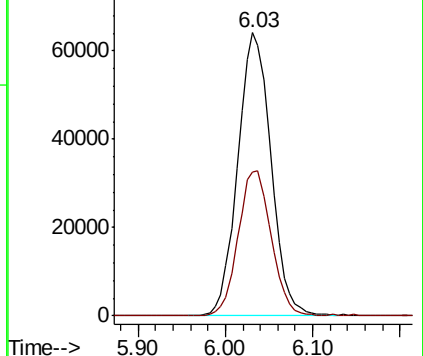
65 100

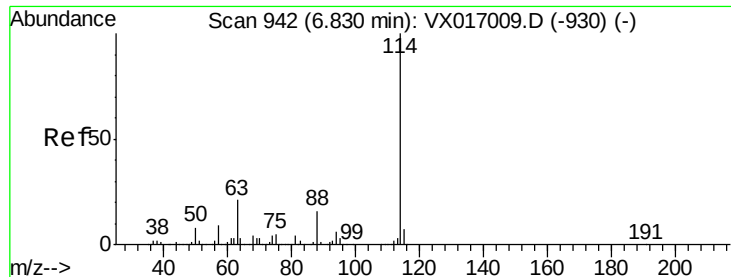
67 51.0 0.0 103.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

E3-41-NHS

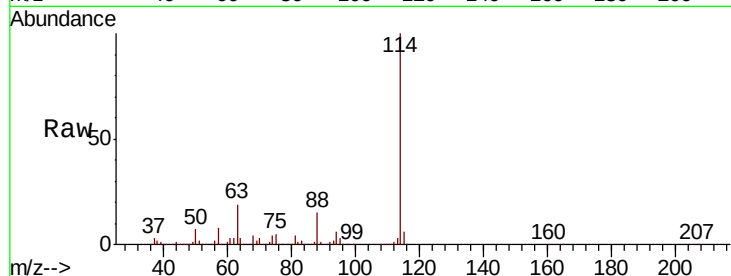
Tot Ion:114 Resp: 432106

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

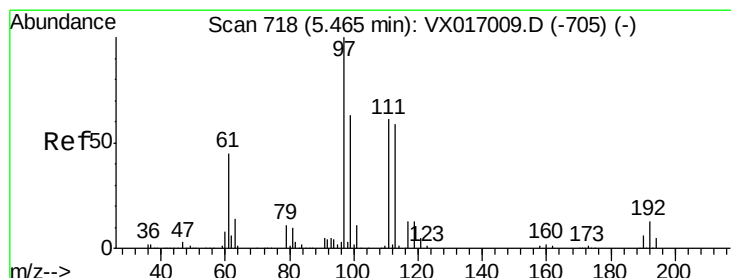
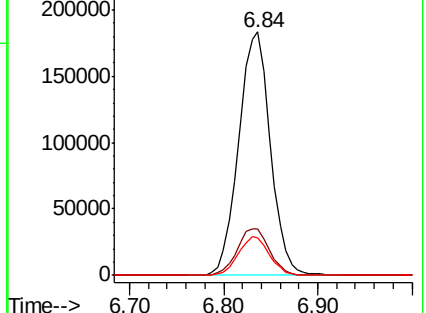
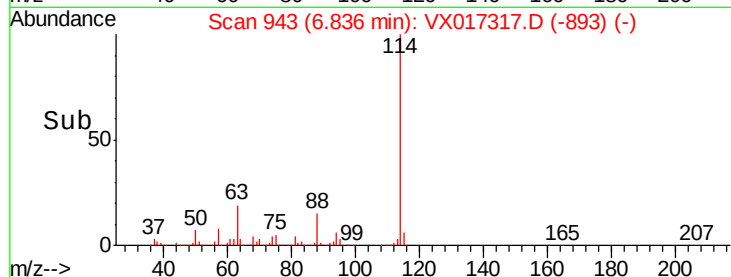
88 15.3 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.032 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

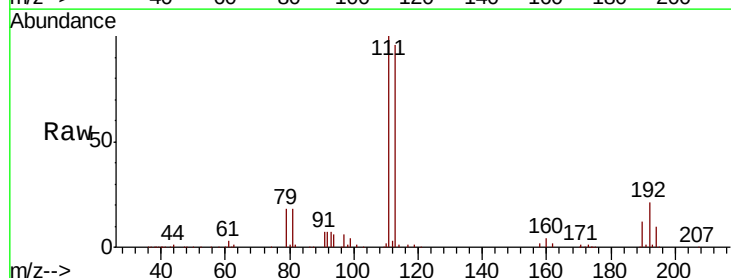
Tgt Ion:113 Resp: 144956

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

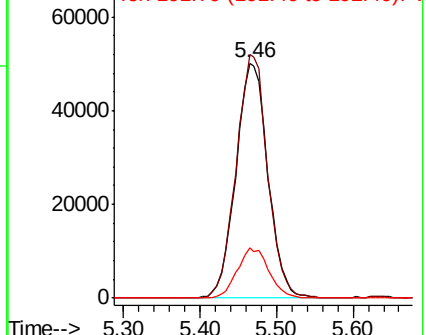
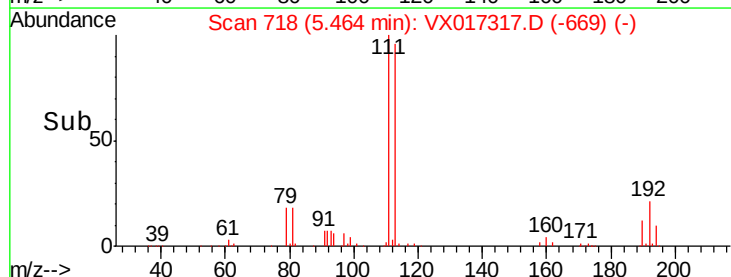
192 21.2 16.7 25.1

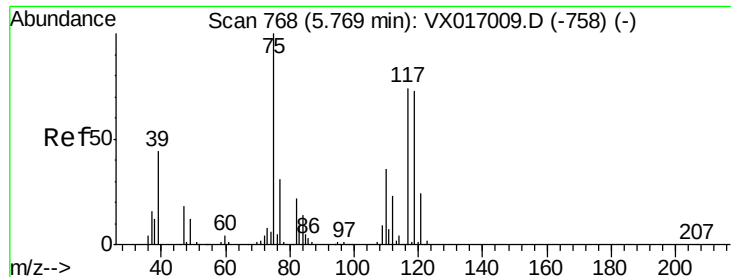


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

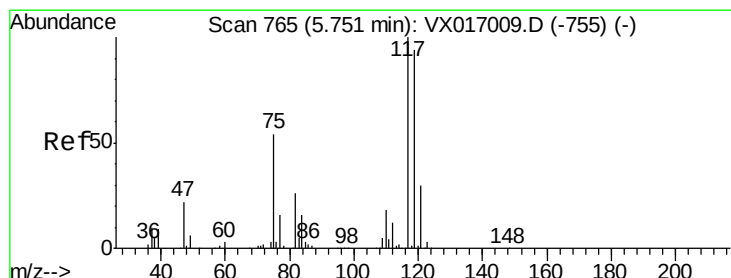
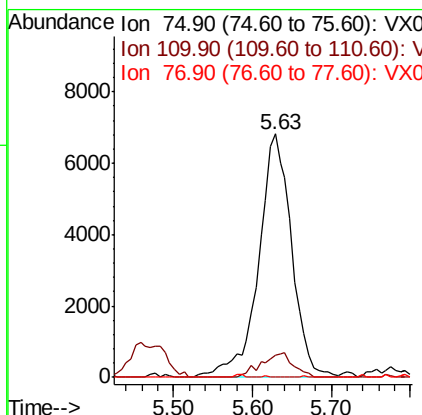
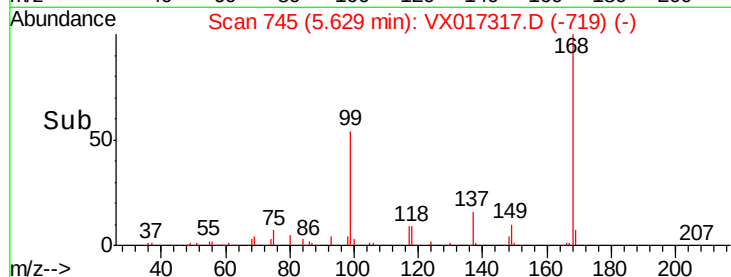
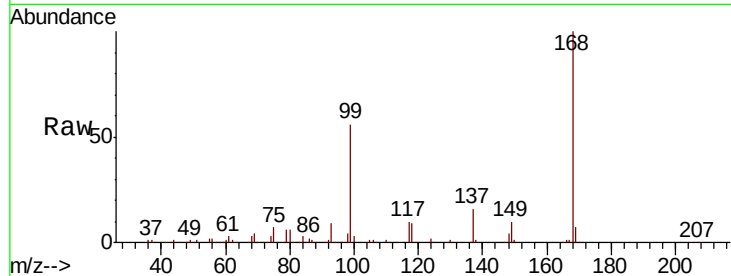




#36  
 1,1-Dichloropropene  
 Concen: 4.862 ug/l  
 RT: 5.63 min Scan# 745  
 Delta R.T. -0.14 min  
 Lab File: VX017317.D  
 Acq: 09 Jul 2020 18:50

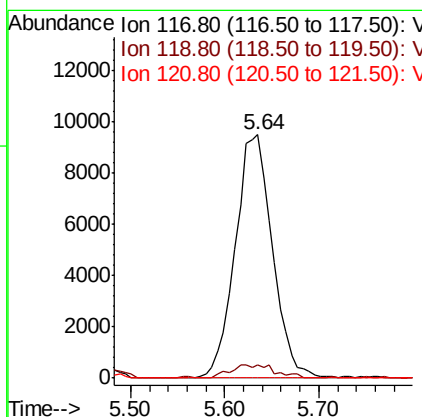
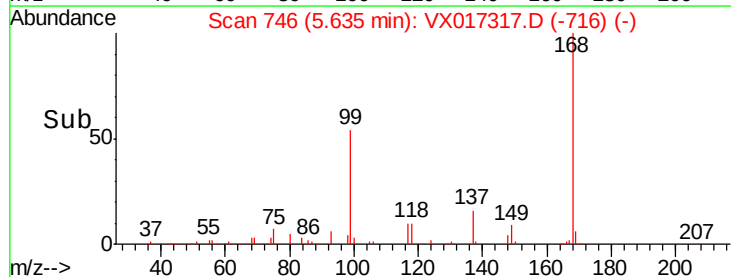
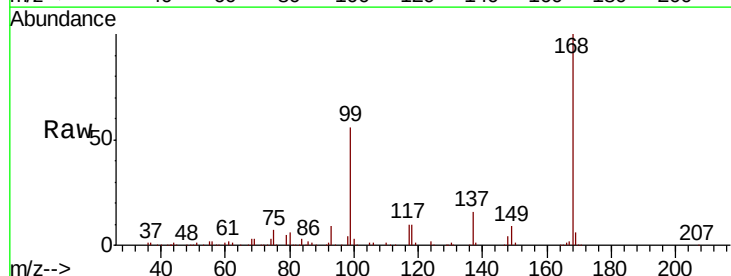
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 E3-41-NHS

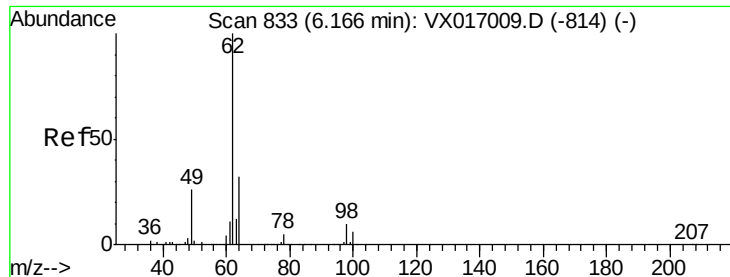
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.8   | 18.1  | 54.1# |
| 77      | 0.0   | 24.6  | 37.0# |



#38  
 Carbon Tetrachloride  
 Concen: 5.826 ug/l  
 RT: 5.64 min Scan# 746  
 Delta R.T. -0.12 min  
 Lab File: VX017317.D  
 Acq: 09 Jul 2020 18:50

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.3   | 75.4  | 113.0# |
| 121     | 0.0   | 23.8  | 35.6#  |

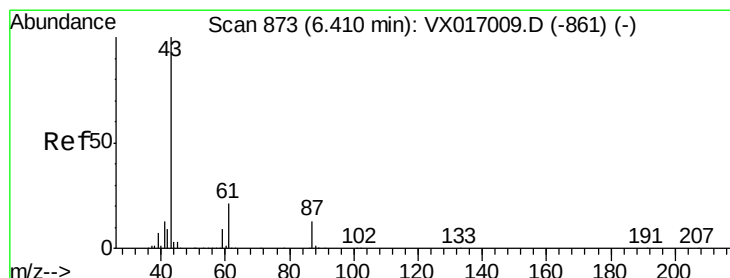
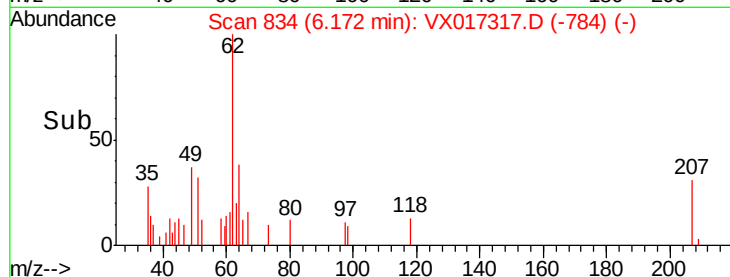
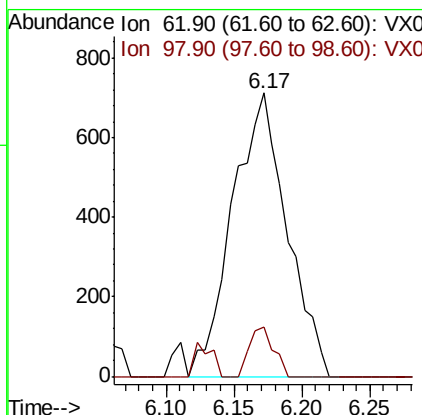
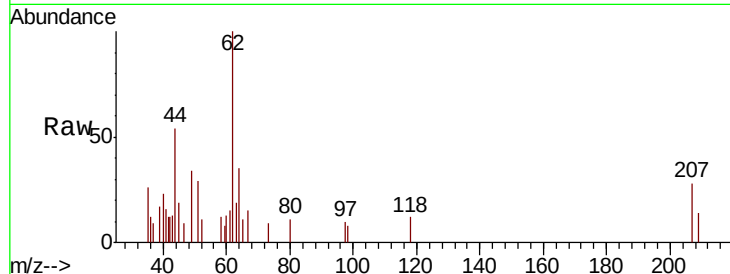




#42  
 1,2-Dichloroethane  
 Concen: 0.460 ug/l  
 RT: 6.17 min Scan# 834  
 Delta R.T. 0.01 min  
 Lab File: VX017317.D  
 Acq: 09 Jul 2020 18:50

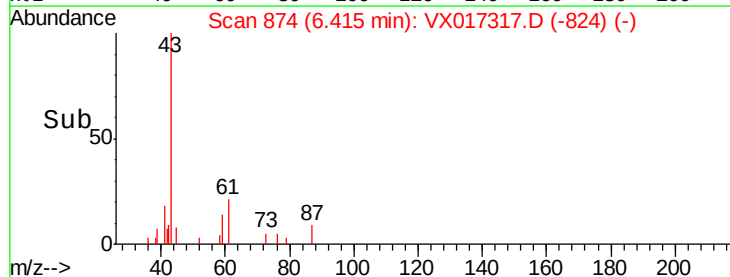
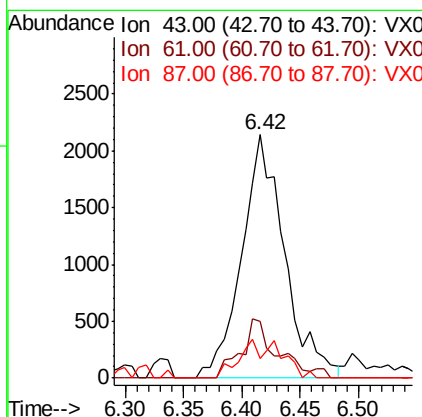
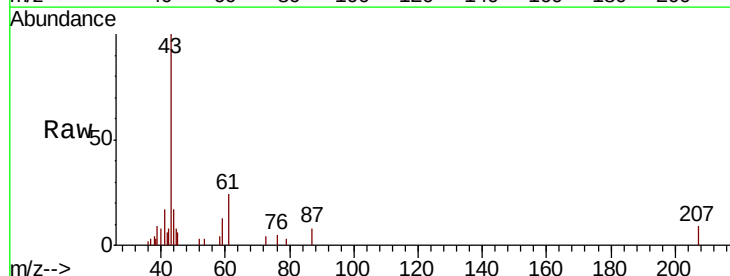
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 E3-41-NHS

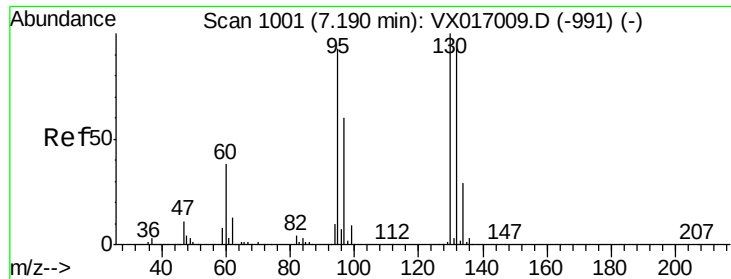
Tot Ion: 62 Resp: 1992  
 Ion Ratio Lower Upper  
 62 100  
 98 7.8 0.0 19.2



#43  
 Isopropyl Acetate  
 Concen: 0.799 ug/l  
 RT: 6.42 min Scan# 874  
 Delta R.T. 0.01 min  
 Lab File: VX017317.D  
 Acq: 09 Jul 2020 18:50

Tgt Ion: 43 Resp: 5501  
 Ion Ratio Lower Upper  
 43 100  
 61 19.8 16.2 24.2  
 87 7.5 10.7 16.1#





#44

Trichloroethene

Concen: 0.340 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

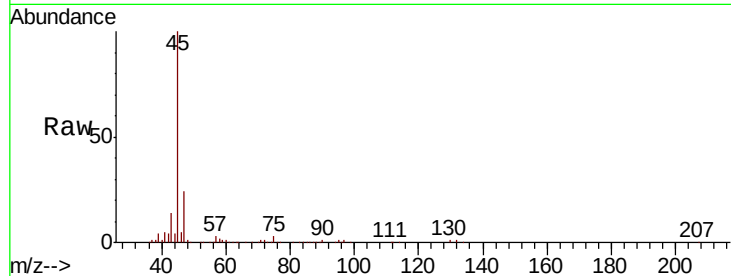
E3-41-NHS

Tot Ion:130 Resp: 2145

Ion Ratio Lower Upper

130 100

95 78.5 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

1000

800

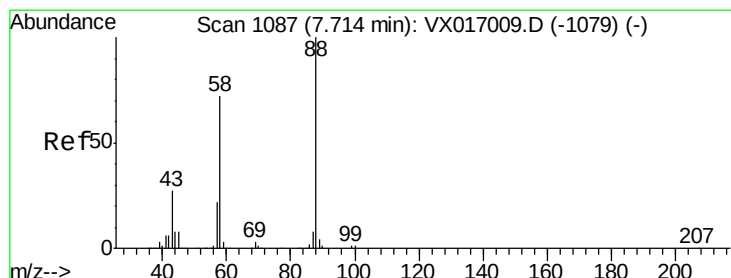
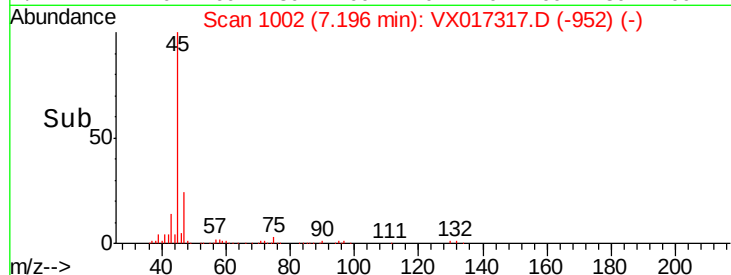
600

400

200

0

Time--> 7.10 7.15 7.20 7.25



#49

1,4-Dioxane

Concen: 6.302 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

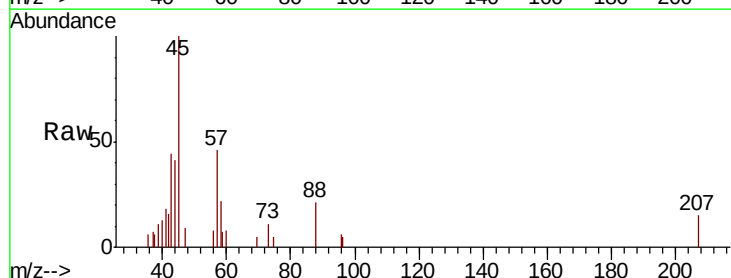
Tgt Ion: 88 Resp: 467

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.8#

58 258.9 54.8 82.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800

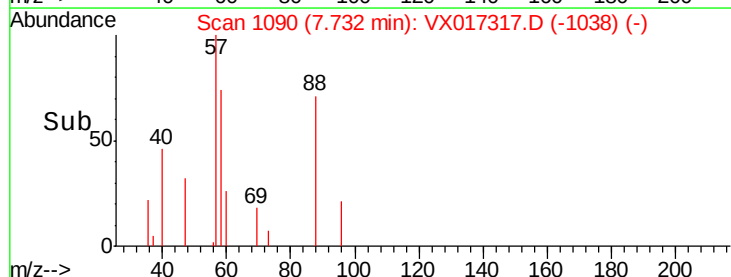
600

400

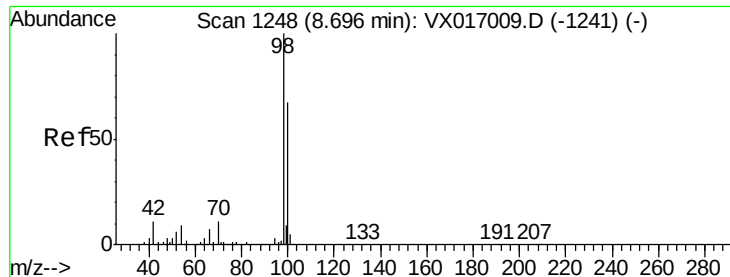
200

0

Time--> 7.65 7.70 7.75







#50

Toluene-d8

Concen: 52.625 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

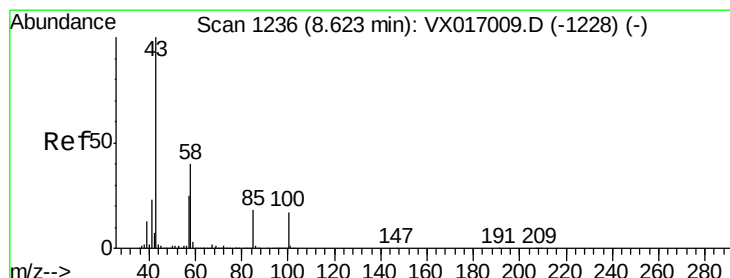
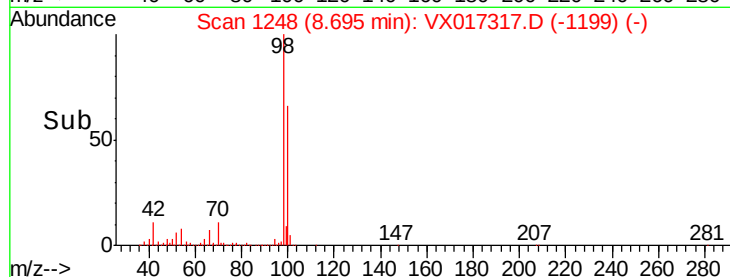
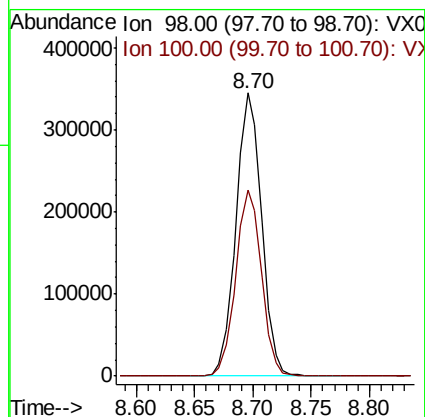
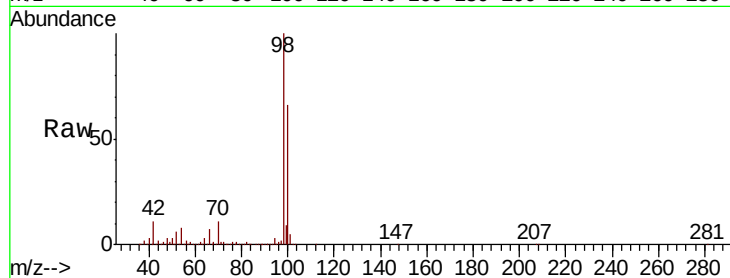
E3-41-NHS

Tot Ion: 98 Resp: 531903

Ion Ratio Lower Upper

98 100

100 65.9 53.8 80.6



#51

4-Methyl-2-Pentanone

Concen: 1.404 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX017317.D

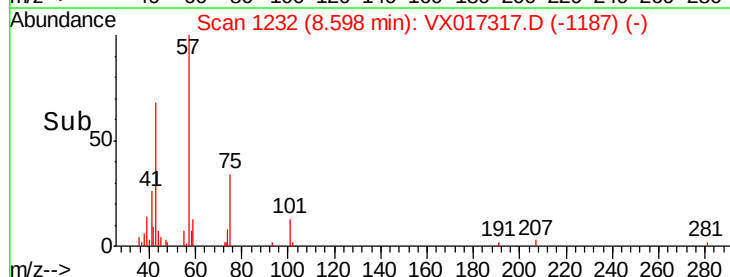
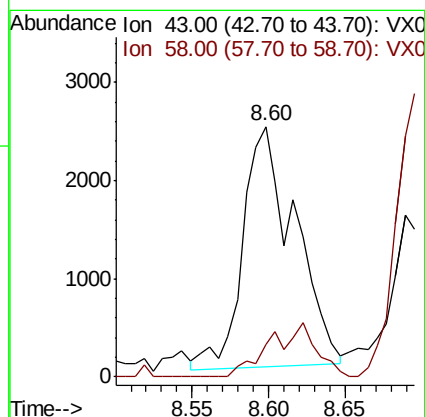
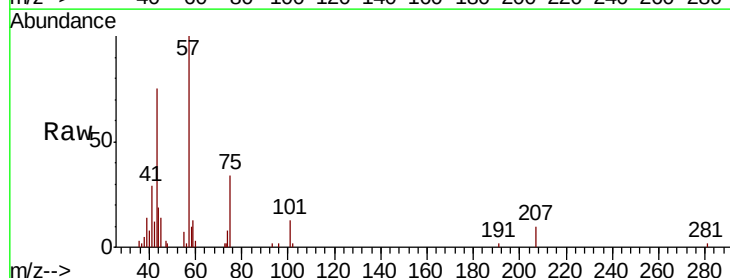
Acq: 09 Jul 2020 18:50

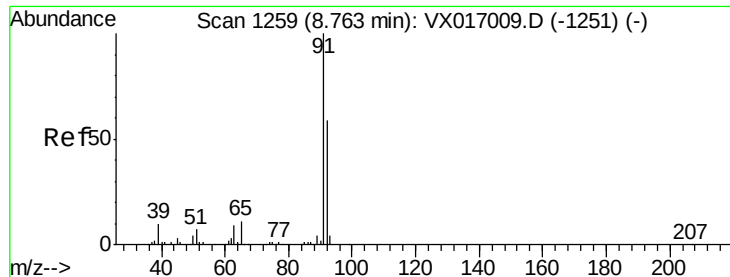
Tgt Ion: 43 Resp: 5763

Ion Ratio Lower Upper

43 100

58 9.3 31.9 47.9#





#52

Toluene

Concen: 1.197 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampled :

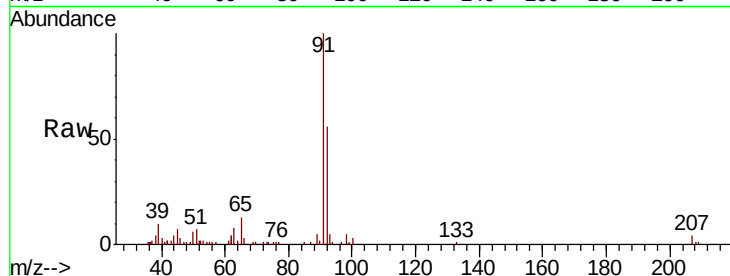
E3-41-NHS

Tot Ion: 92 Resp: 8965

Ion Ratio Lower Upper

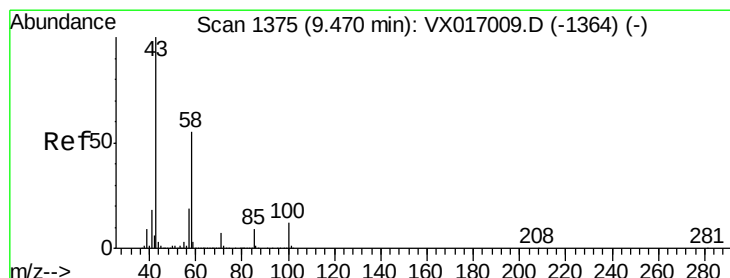
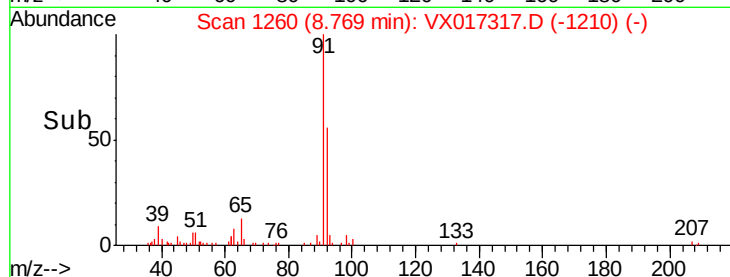
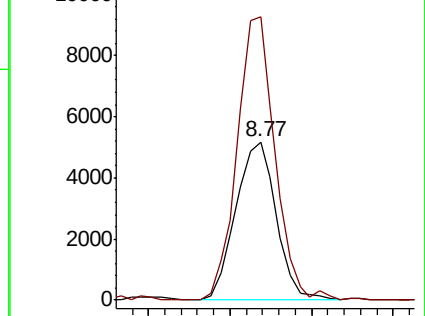
92 100

91 167.4 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 0.292 ug/l

RT: 9.56 min Scan# 1389

Delta R.T. 0.09 min

Lab File: VX017317.D

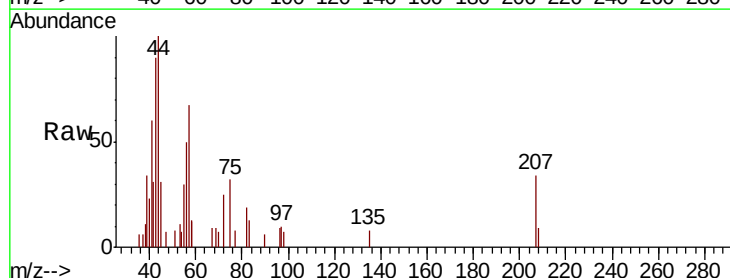
Acq: 09 Jul 2020 18:50

Tgt Ion: 43 Resp: 875

Ion Ratio Lower Upper

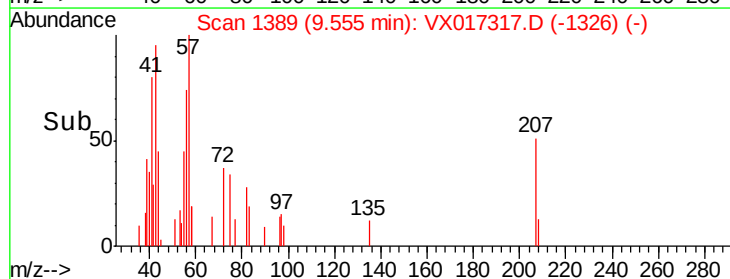
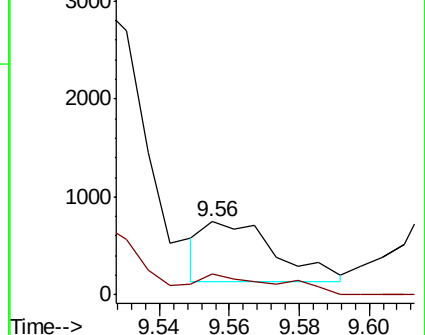
43 100

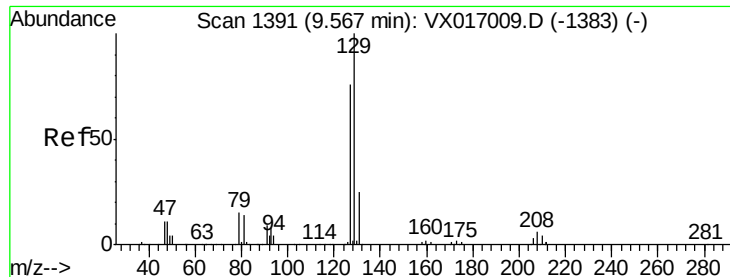
58 35.5 27.9 83.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 0.654 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

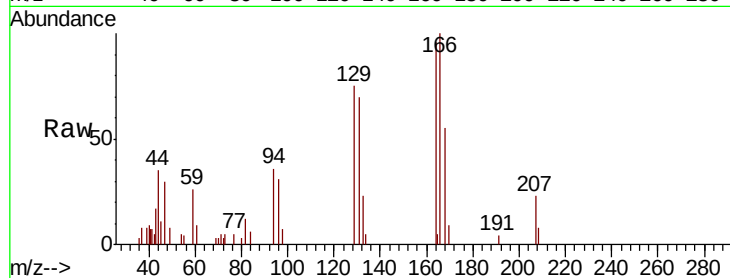
E3-41-NHS

Tot Ion:129 Resp: 2326

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

1500

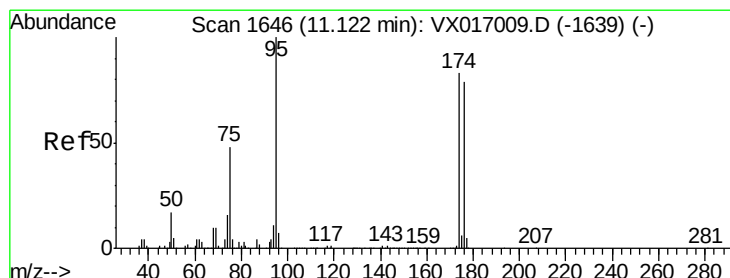
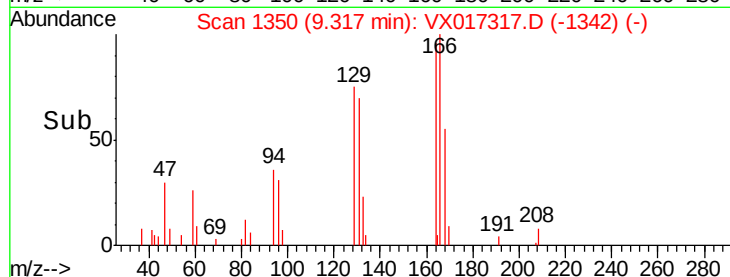
1000

500

0

9.30 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 58.199 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

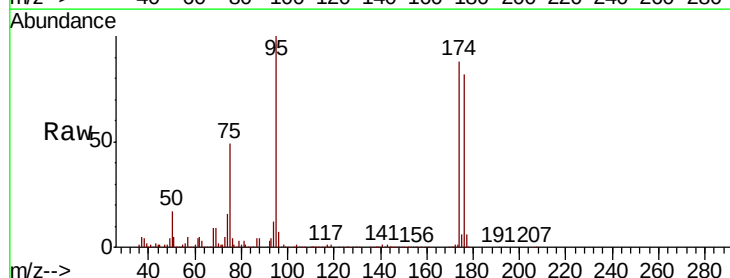
Tgt Ion: 95 Resp: 229951

Ion Ratio Lower Upper

95 100

174 84.6 0.0 164.0

176 83.1 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

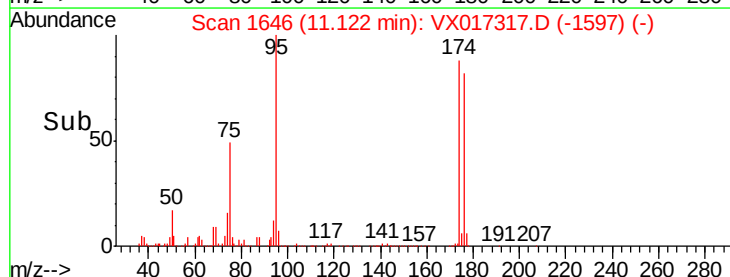
100000

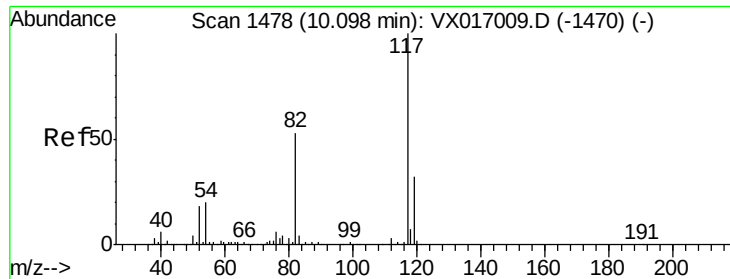
50000

0

11.10 11.20

Time-->

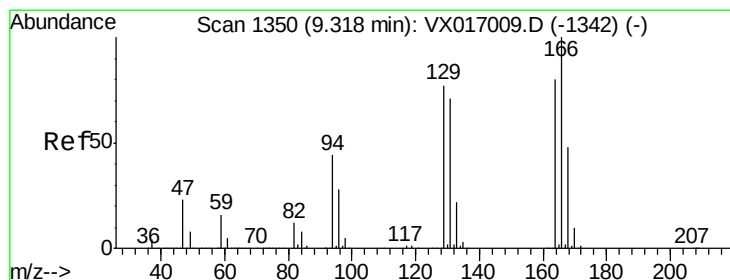
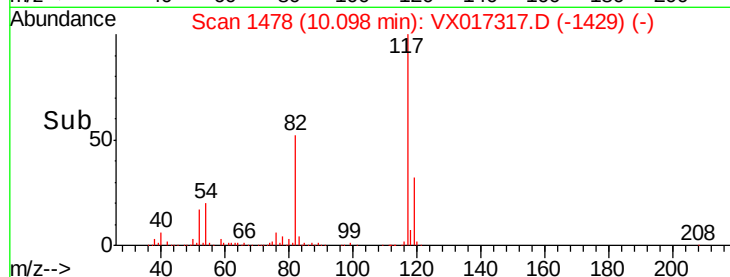
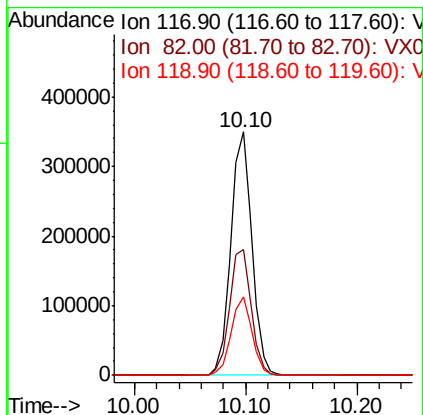
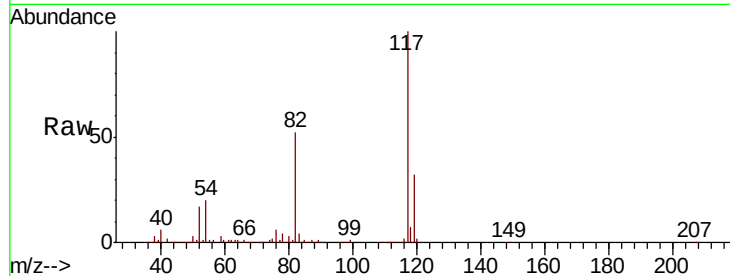




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017317.D  
Acq: 09 Jul 2020 18:50

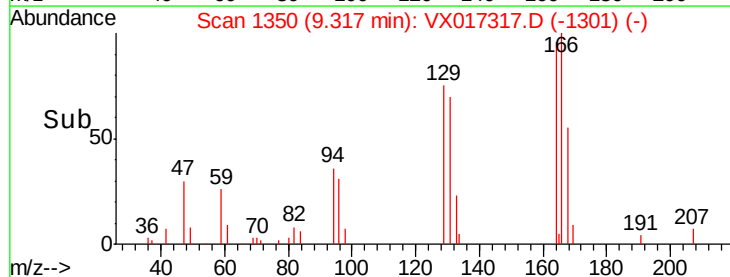
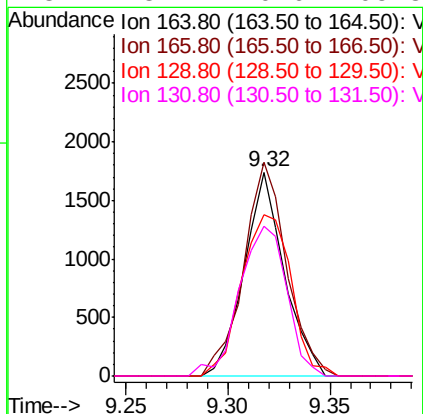
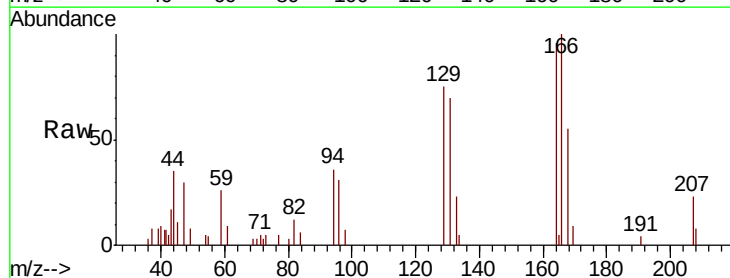
Instrument :  
MSVOA\_X  
ClientSampleId :  
E3-41-NHS

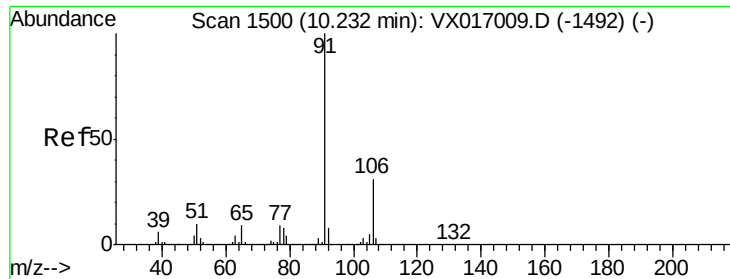
Tot Ion:117 Resp: 457085  
Ion Ratio Lower Upper  
117 100  
82 51.9 42.6 63.8  
119 32.2 25.4 38.2



#64  
Tetrachloroethene  
Concen: 0.645 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VX017317.D  
Acq: 09 Jul 2020 18:50

Tgt Ion:164 Resp: 2381  
Ion Ratio Lower Upper  
164 100  
166 104.6 99.4 149.0  
129 78.9 76.3 114.5  
131 73.1 70.6 105.8





#67

Ethyl Benzene

Concen: 0.525 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampled :

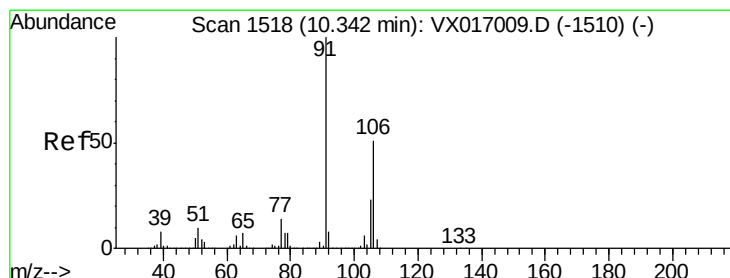
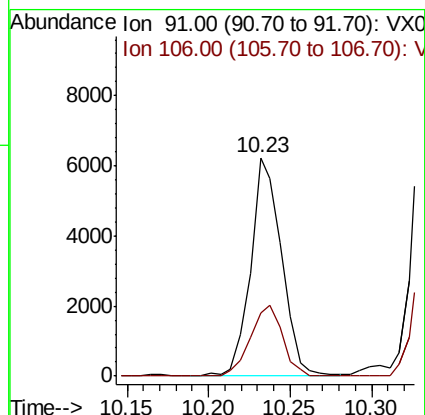
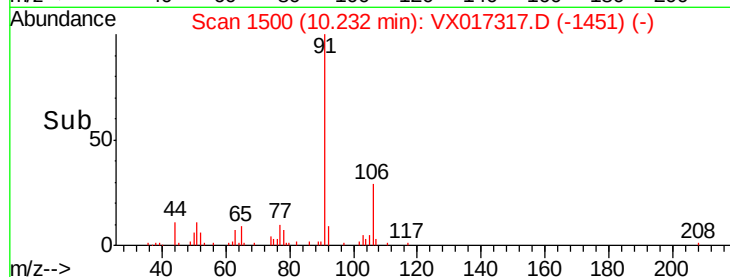
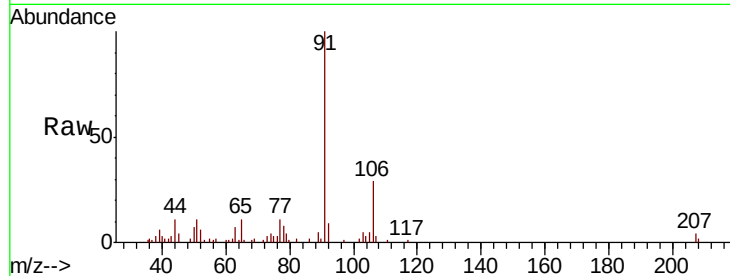
E3-41-NHS

Tot Ion: 91 Resp: 8269

Ion Ratio Lower Upper

91 100

106 29.0 24.7 37.1



#68

m/p-Xylenes

Concen: 1.985 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017317.D

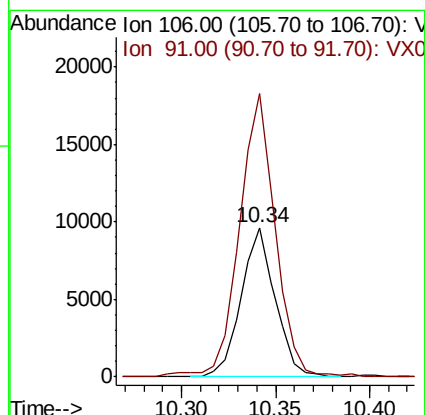
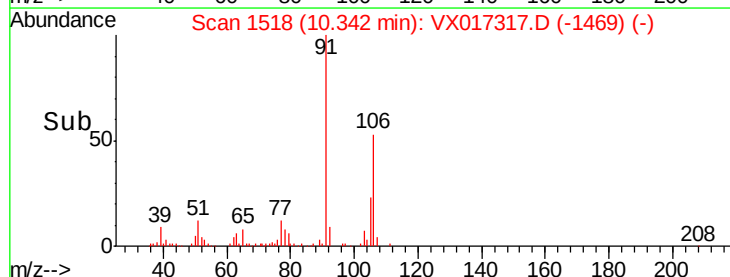
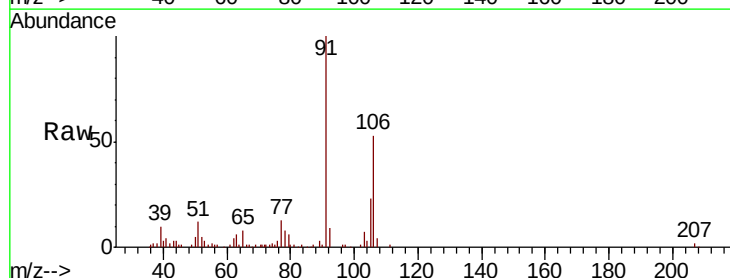
Acq: 09 Jul 2020 18:50

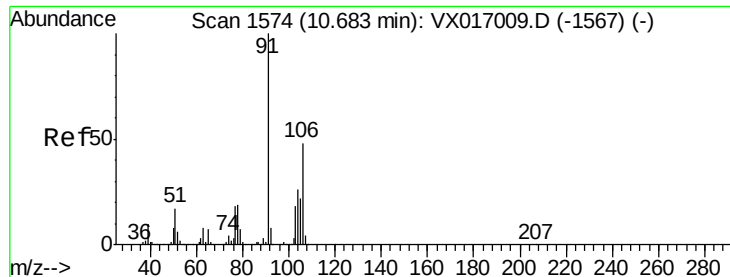
Tgt Ion: 106 Resp: 12005

Ion Ratio Lower Upper

106 100

91 201.1 158.6 238.0

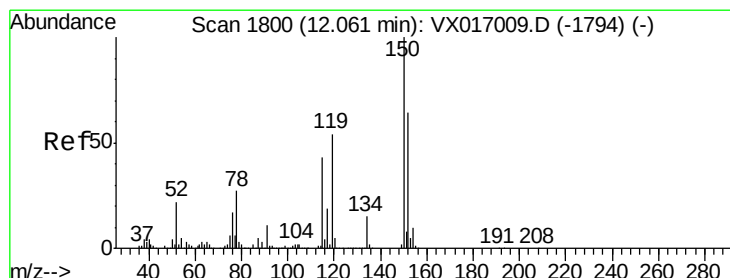
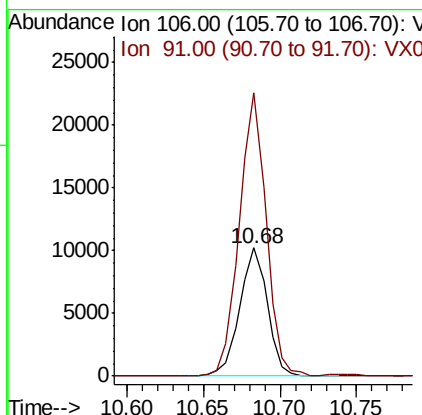
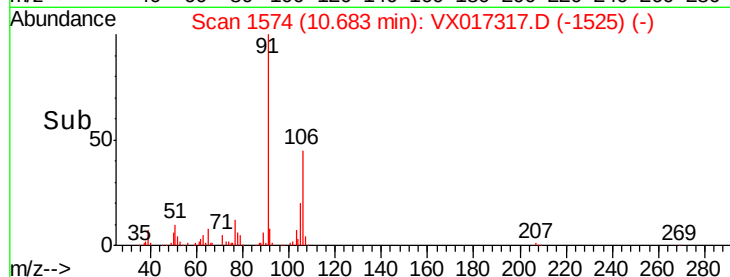
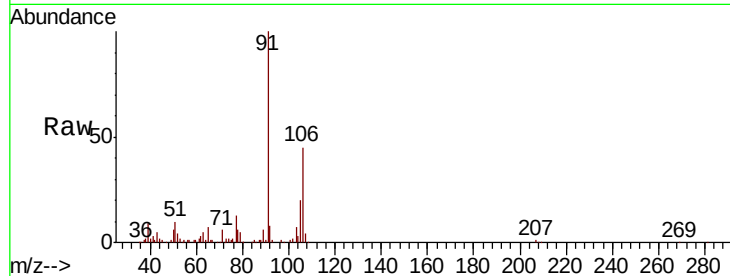




#69  
o-Xylene  
Concen: 2.239 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX017317.D  
Acq: 09 Jul 2020 18:50

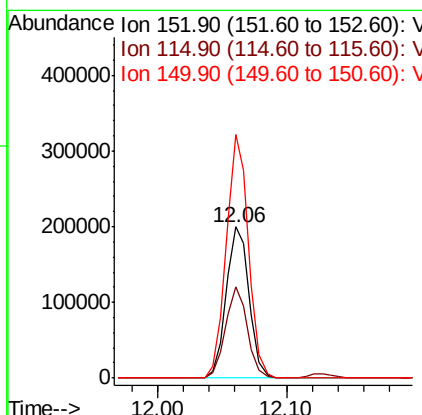
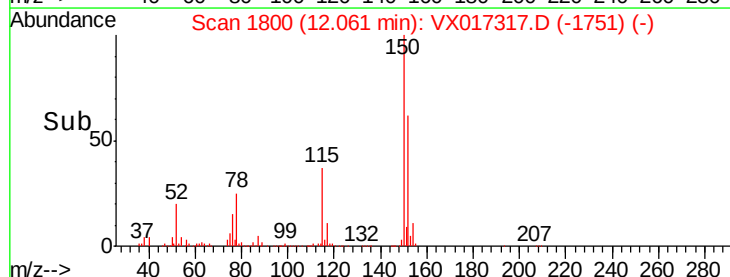
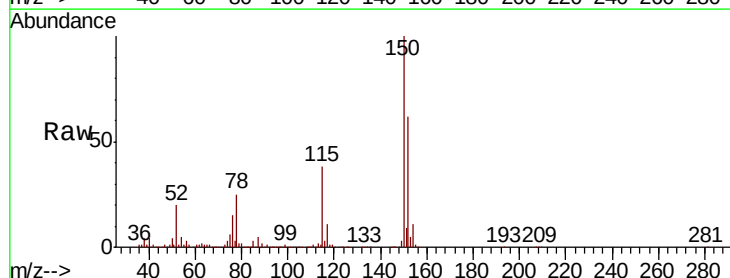
Instrument :  
MSVOA\_X  
ClientSampled :  
E3-41-NHS

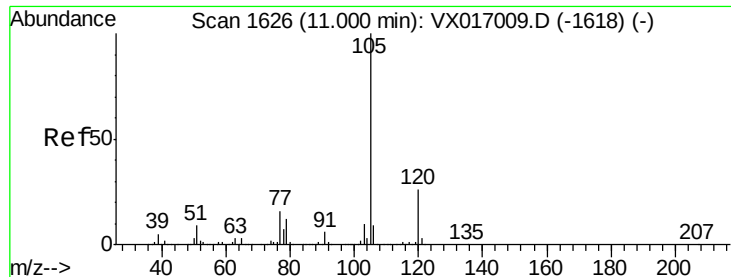
Tot Ion:106 Resp: 12883  
Ion Ratio Lower Upper  
106 100  
91 213.7 105.6 316.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX017317.D  
Acq: 09 Jul 2020 18:50

Tgt Ion:152 Resp: 249521  
Ion Ratio Lower Upper  
152 100  
115 57.6 40.9 122.7  
150 155.8 0.0 351.6





#73

Isopropylbenzene

Concen: 0.586 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

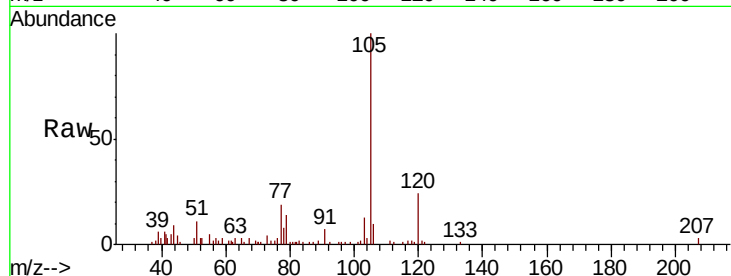
E3-41-NHS

Tot Ion:105 Resp: 9577

Ion Ratio Lower Upper

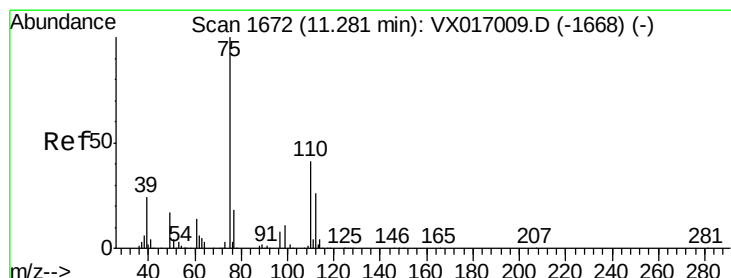
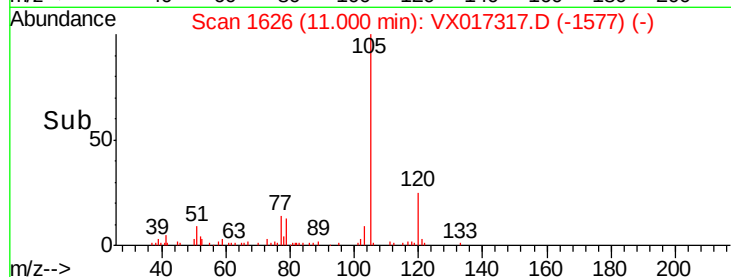
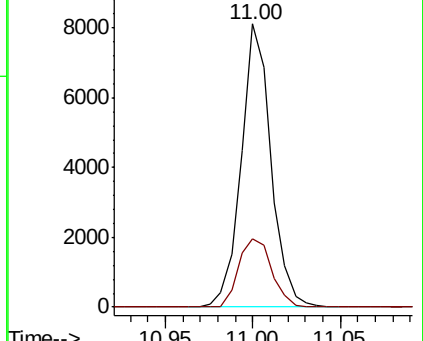
105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 23.369 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017317.D

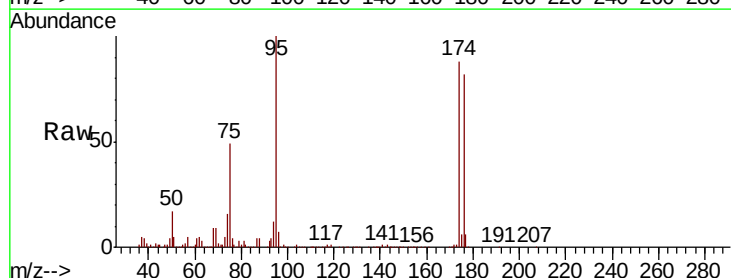
Acq: 09 Jul 2020 18:50

Tgt Ion: 75 Resp: 114665

Ion Ratio Lower Upper

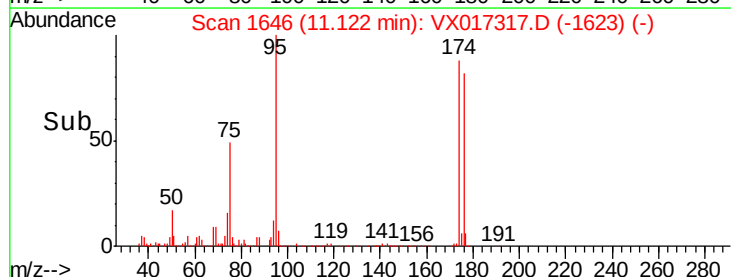
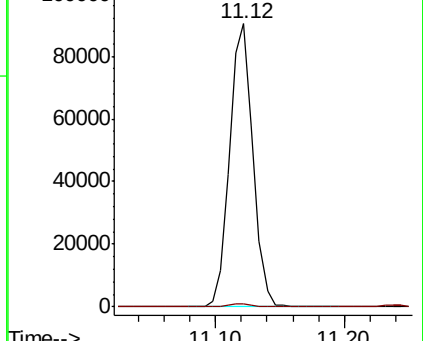
75 100

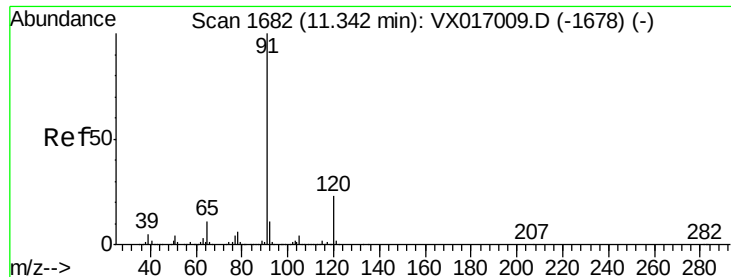
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 1.333 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

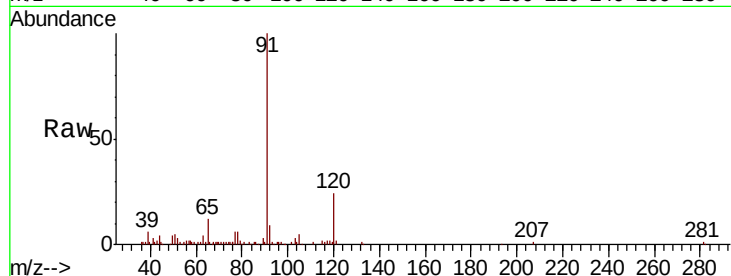
E3-41-NHS

Tot Ion: 91 Resp: 24638

Ion Ratio Lower Upper

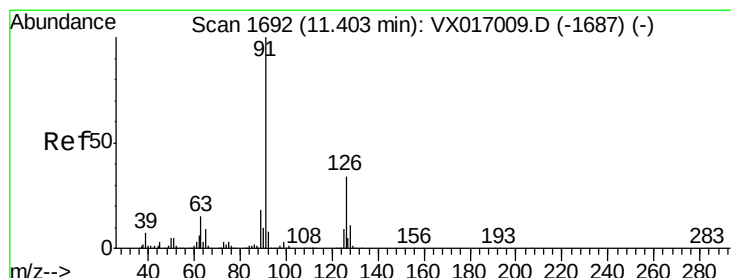
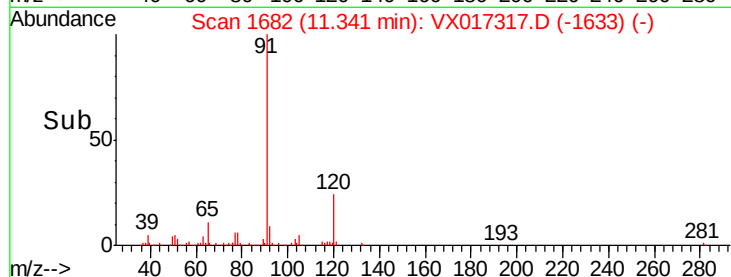
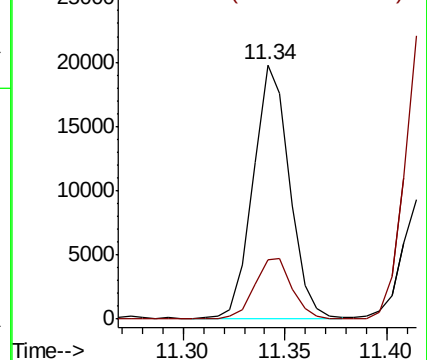
91 100

120 24.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.594 ug/l

RT: 11.42 min Scan# 1695

Delta R.T. 0.02 min

Lab File: VX017317.D

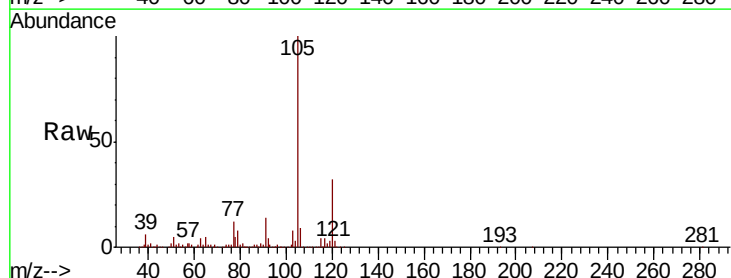
Acq: 09 Jul 2020 18:50

Tgt Ion: 91 Resp: 17833

Ion Ratio Lower Upper

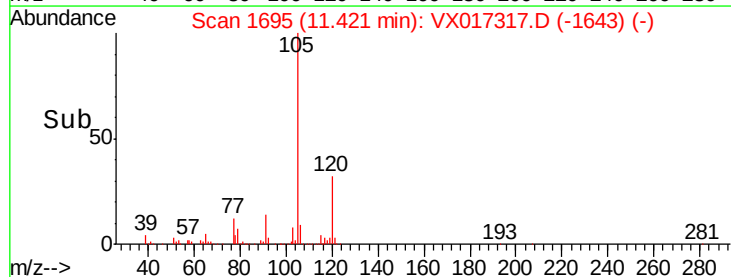
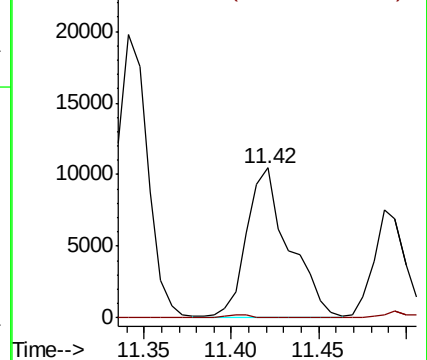
91 100

126 1.4 17.4 52.3#

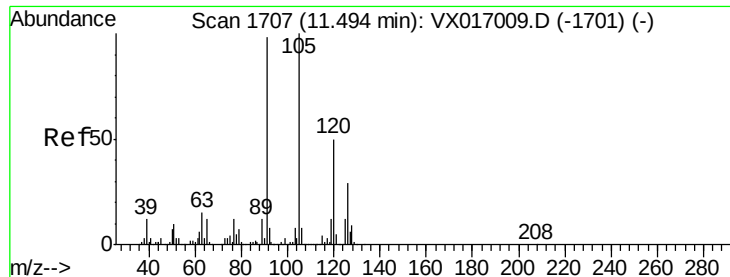


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V







#80

1,3,5-Trimethylbenzene

Concen: 5.375 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

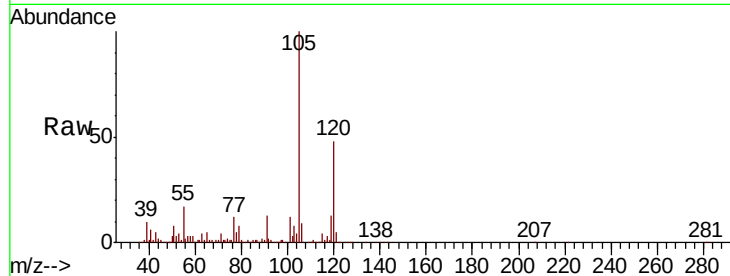
E3-41-NHS

Tot Ion:105 Resp: 72871

Ion Ratio Lower Upper

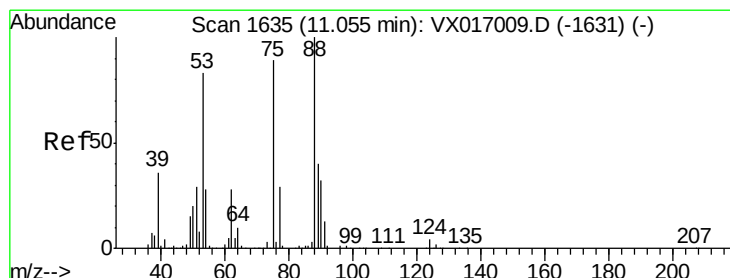
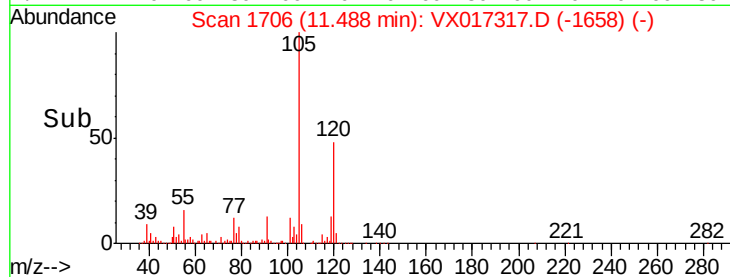
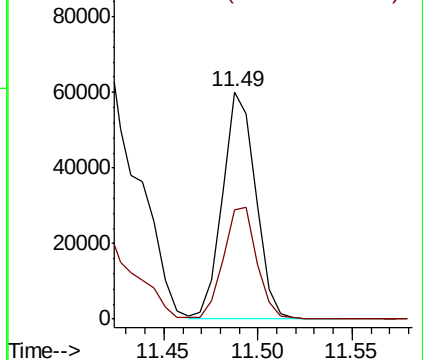
105 100

120 50.4 24.9 74.6



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: 60.518 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

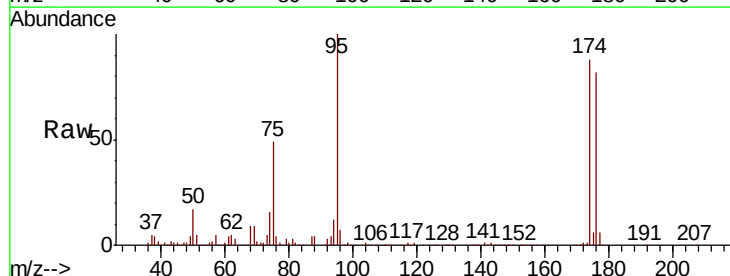
Tgt Ion: 75 Resp: 114665

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

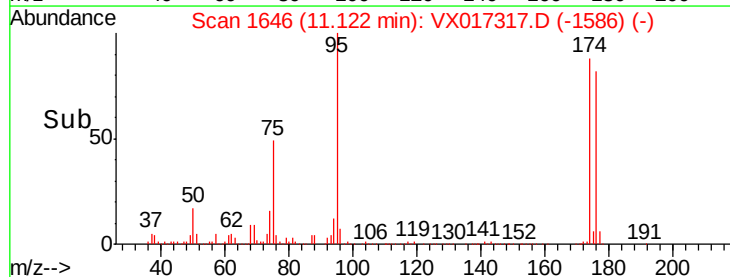
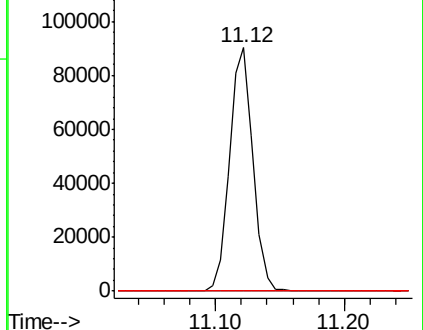
89 0.1 37.0 55.4#

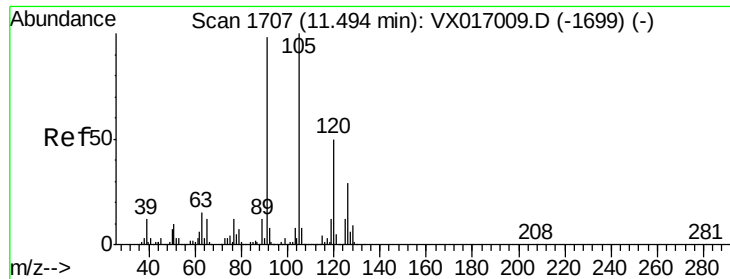


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 0.719 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampled :

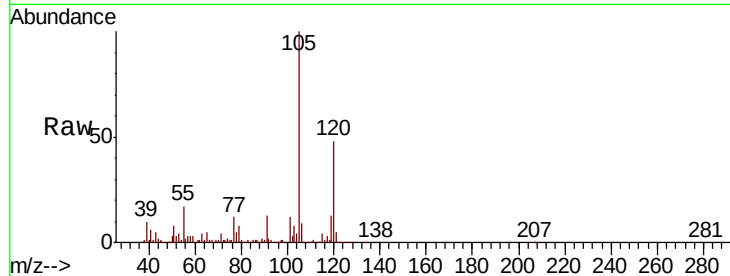
E3-41-NHS

Tot Ion: 91 Resp: 9611

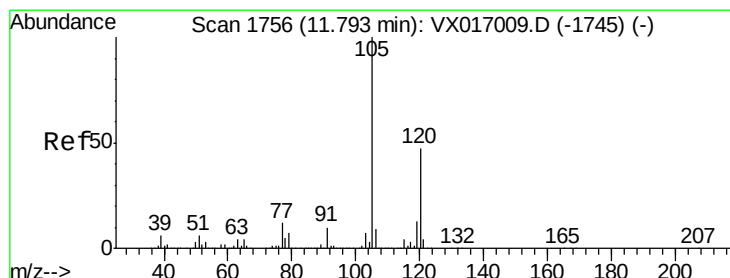
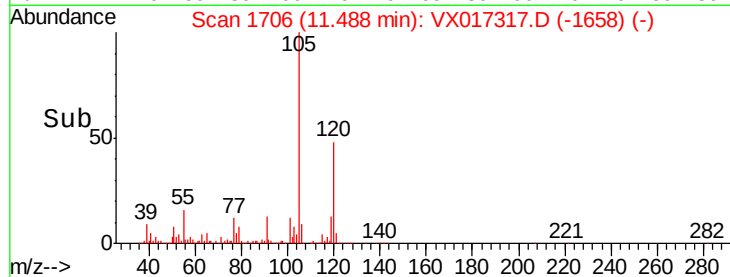
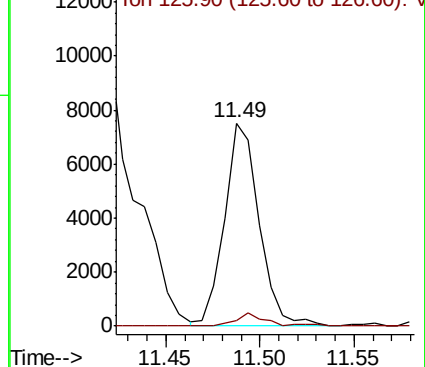
Ion Ratio Lower Upper

91 100

126 5.2 15.2 45.5#



Abundance Ion 91.00 (90.70 to 91.70): VX017317.D (-1658) (-)



#84

1,2,4-Trimethylbenzene

Concen: 21.419 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017317.D

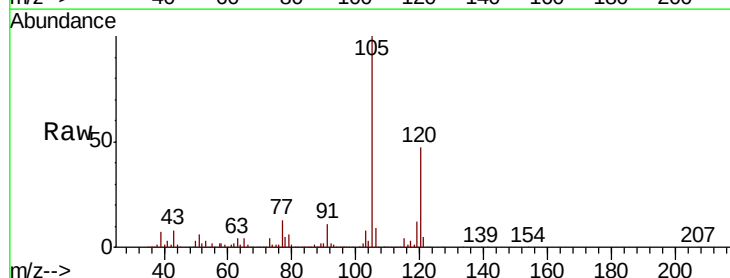
Acq: 09 Jul 2020 18:50

Tgt Ion:105 Resp: 294591

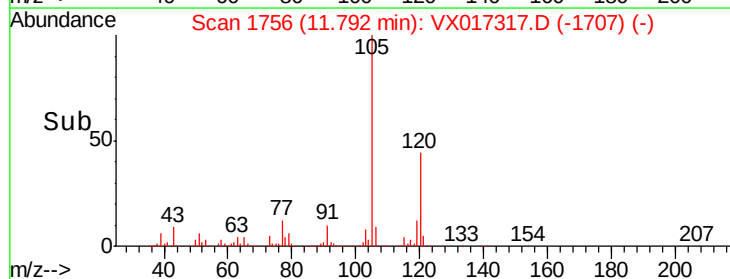
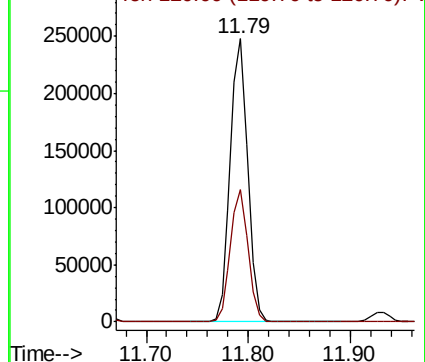
Ion Ratio Lower Upper

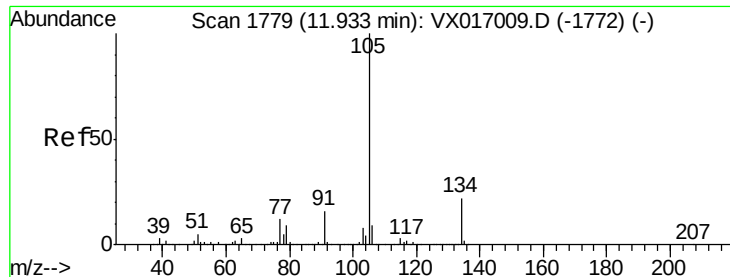
105 100

120 47.2 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VX017317.D (-1707) (-)





#85

sec-Butylbenzene

Concen: 0.701 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

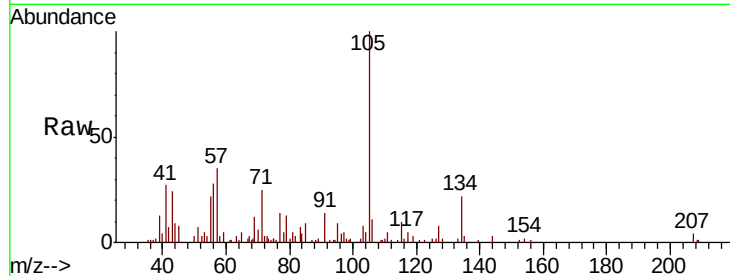
E3-41-NHS

Tot Ion:105 Resp: 10967

Ion Ratio Lower Upper

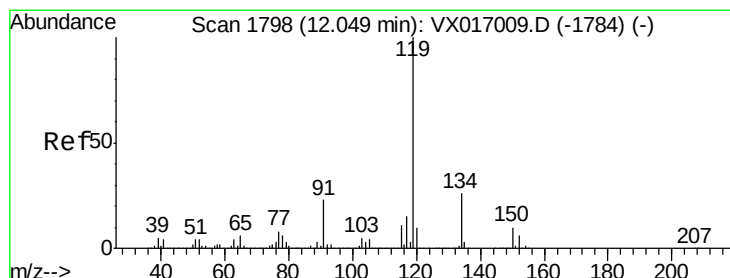
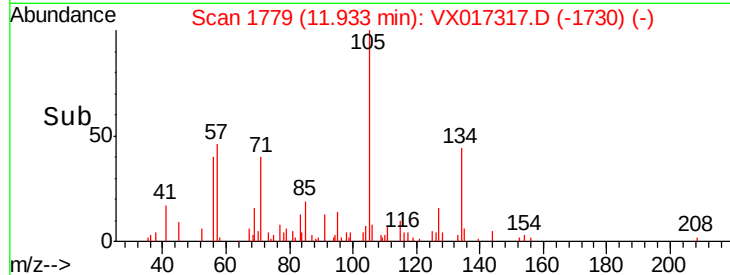
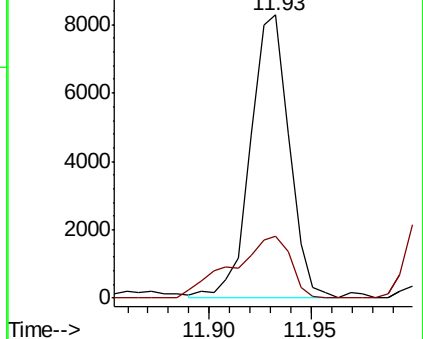
105 100

134 32.9 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.888 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

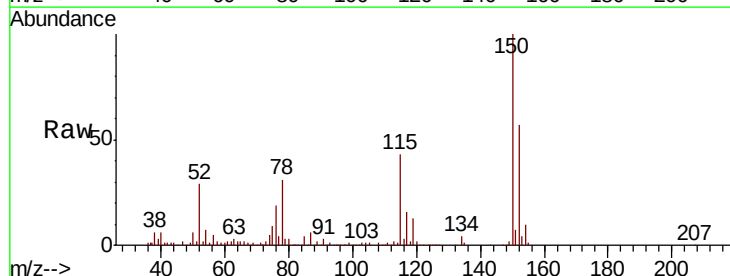
Tgt Ion:119 Resp: 12931

Ion Ratio Lower Upper

119 100

134 31.6 13.2 39.5

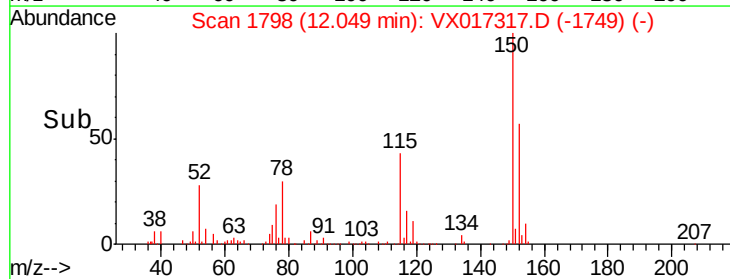
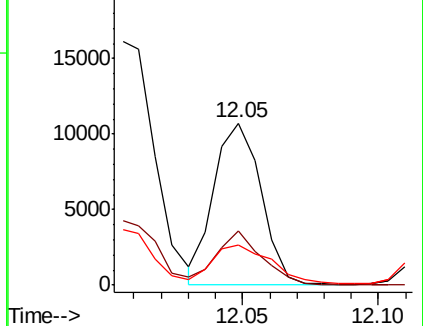
91 28.9 11.8 35.4

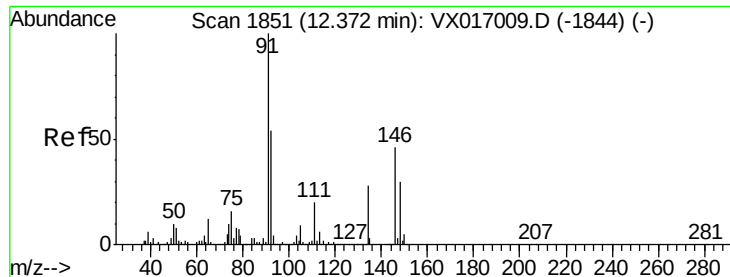


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 1.407 ug/l

RT: 12.37 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampled :

E3-41-NHS

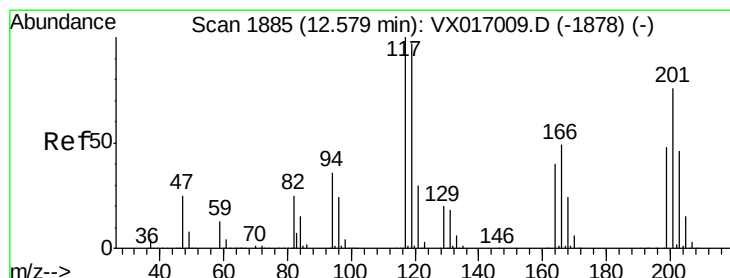
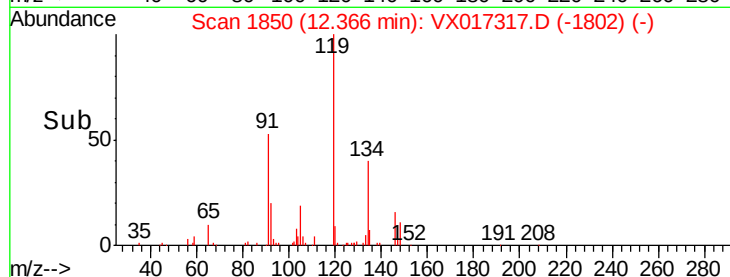
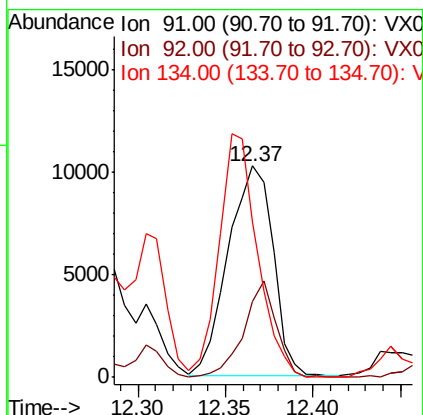
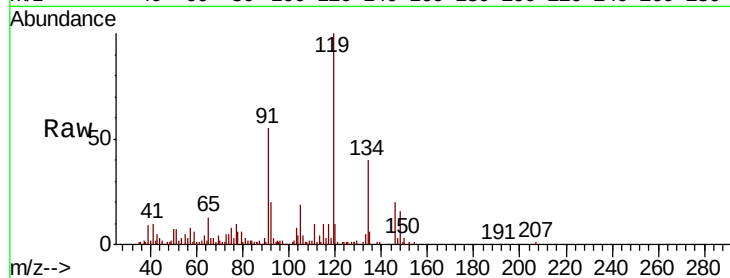
Tot Ion: 91 Resp: 18290

Ion Ratio Lower Upper

91 100

92 33.5 27.2 81.6

134 98.5 13.6 40.7#



#90

Hexachloroethane

Concen: 1.064 ug/l

RT: 12.57 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX017317.D

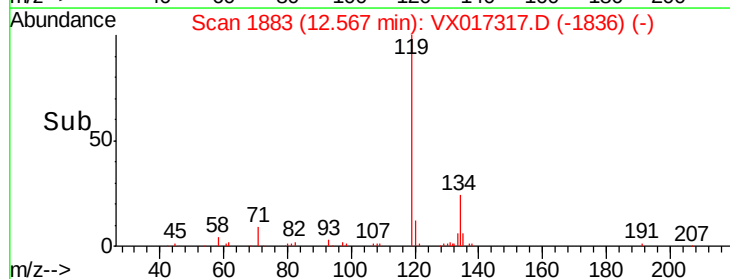
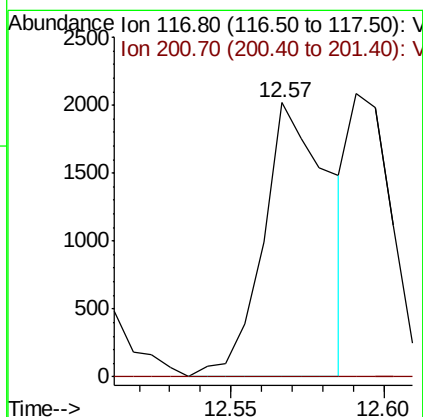
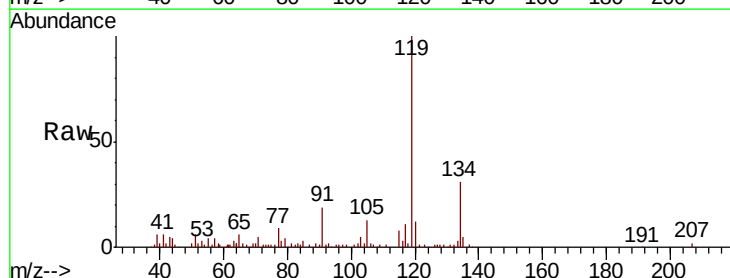
Acq: 09 Jul 2020 18:50

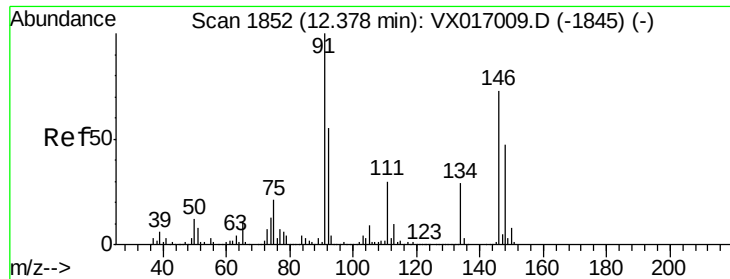
Tgt Ion: 117 Resp: 3055

Ion Ratio Lower Upper

117 100

201 0.0 39.4 118.2#

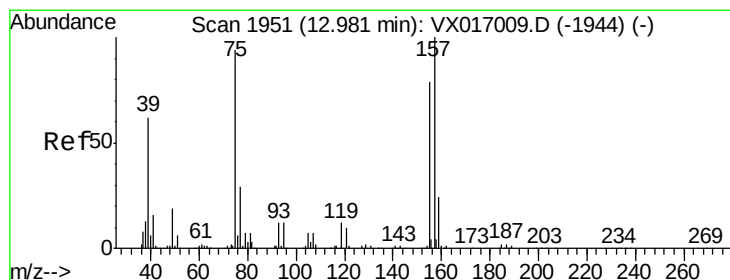
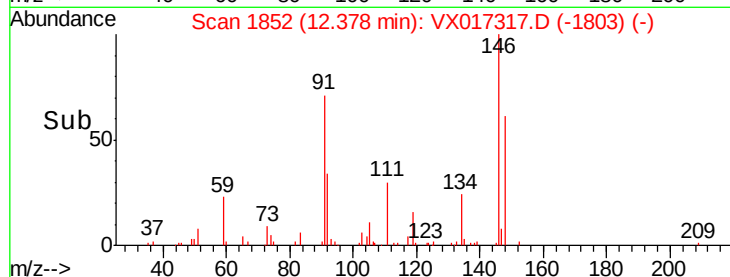
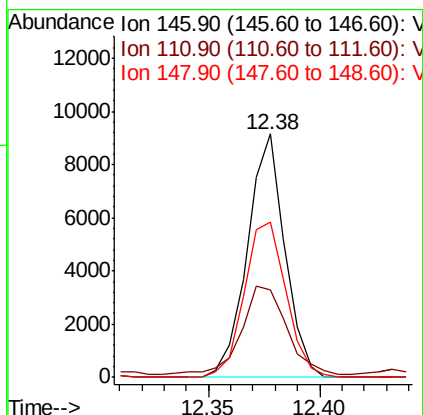
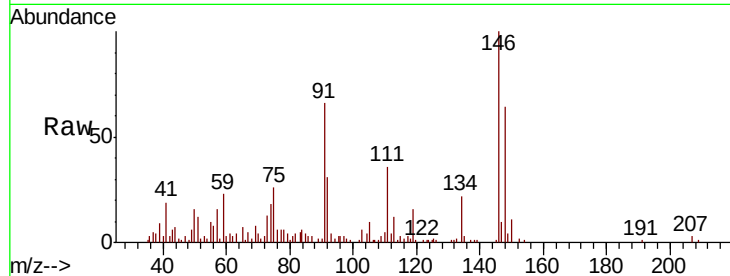




#91  
 1,2-Dichlorobenzene  
 Concen: 1.408 ug/l  
 RT: 12.38 min Scan# 1852  
 Delta R.T. -0.00 min  
 Lab File: VX017317.D  
 Acq: 09 Jul 2020 18:50

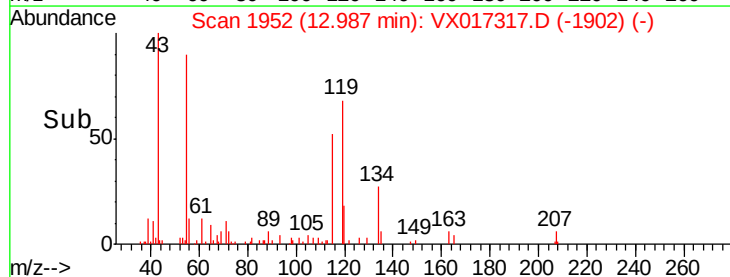
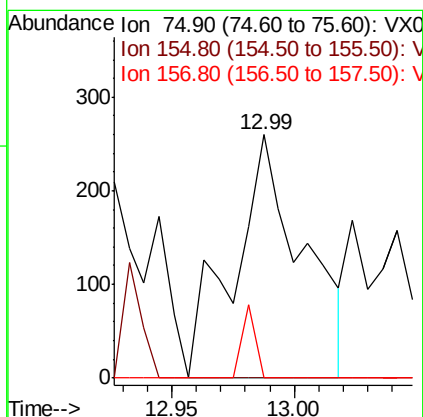
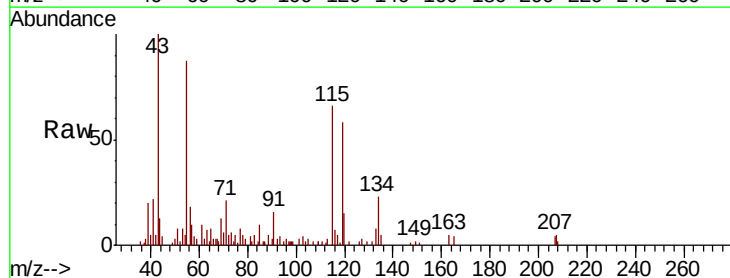
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 E3-41-NHS

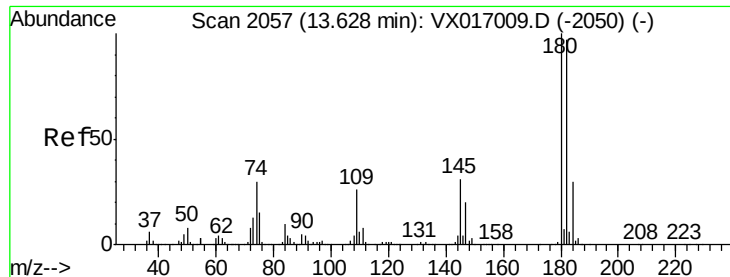
Tot Ion:146 Resp: 10738  
 Ion Ratio Lower Upper  
 146 100  
 111 43.6 20.6 61.9  
 148 71.4 32.4 97.2



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.417 ug/l  
 RT: 12.99 min Scan# 1952  
 Delta R.T. 0.01 min  
 Lab File: VX017317.D  
 Acq: 09 Jul 2020 18:50

Tgt Ion: 75 Resp: 511  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 45.1 135.2#  
 157 5.7 56.5 169.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.230 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

E3-41-NHS

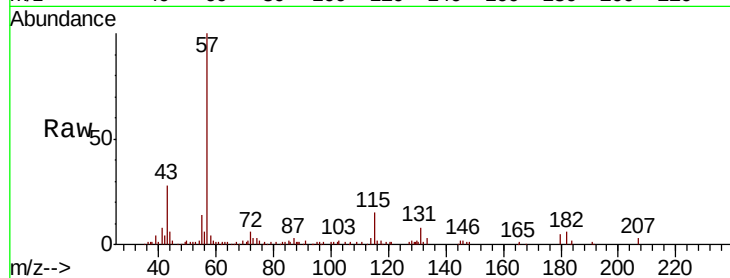
Tot Ion:180 Resp: 1199

Ion Ratio Lower Upper

180 100

182 120.4 47.3 141.9

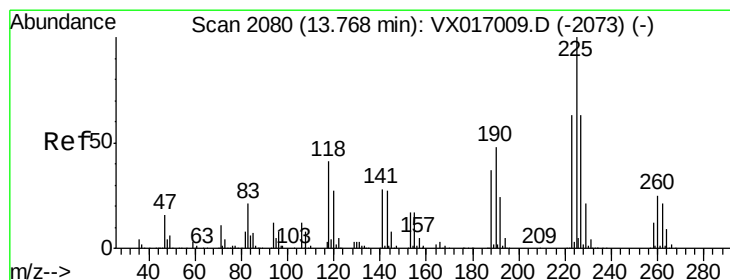
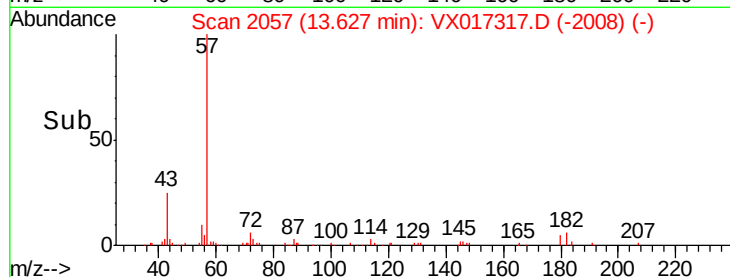
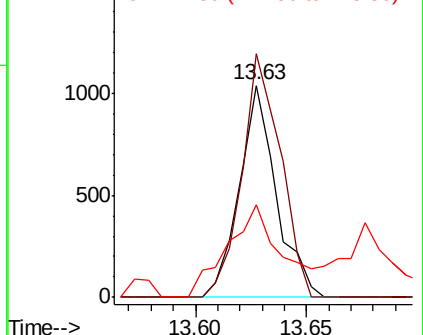
145 64.1 15.4 46.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 1.036 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

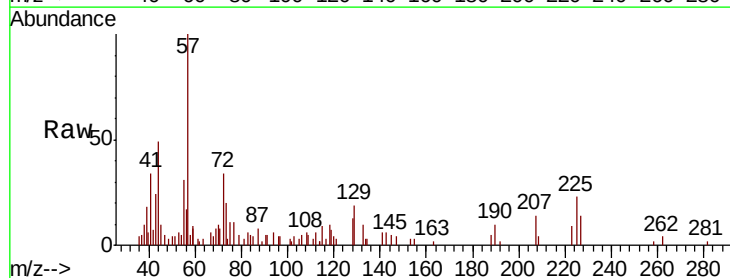
Tgt Ion:225 Resp: 386

Ion Ratio Lower Upper

225 100

223 78.0 32.5 97.5

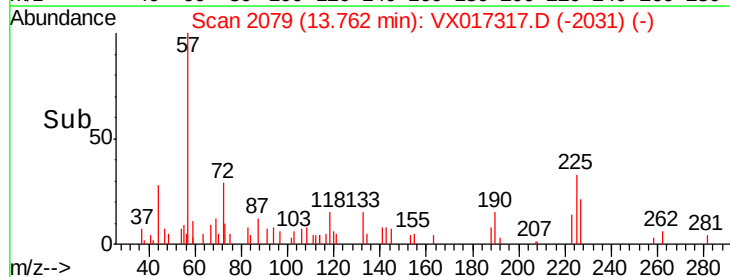
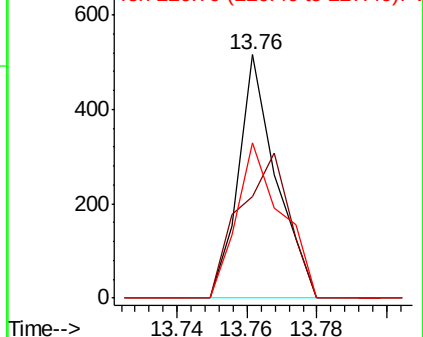
227 76.7 33.1 99.2

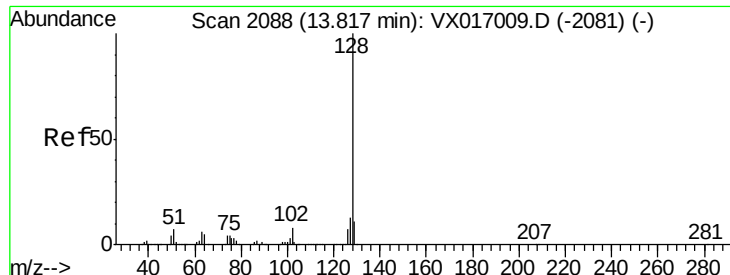


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.710 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017317.D

Acq: 09 Jul 2020 18:50

Instrument :

MSVOA\_X

ClientSampleId :

E3-41-NHS

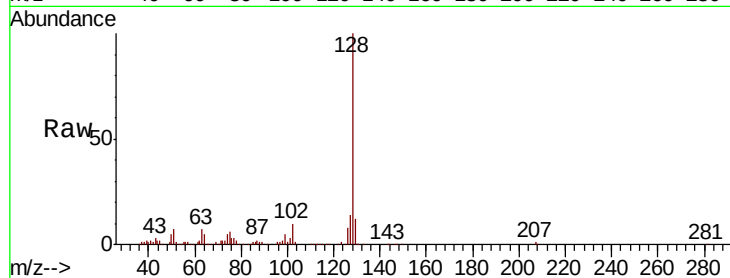
Tot Ion:128 Resp: 42884

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

