

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\  
 Data File : VX012588.D  
 Acq On : 21 Sep 2019 04:02  
 Operator : JC/SP  
 Sample : K4978-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z2-0162

Quant Time: Sep 21 04:38:59 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  | 179005   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 282939   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 248379   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 111861   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 116860   | 45.55 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.10%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 85478    | 49.91 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.82%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 330705   | 52.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.34% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 122627   | 46.59 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.18%  |          |

| Target Compounds           | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|----------------------------|-------|------|----------|-----------|--------|--------|
| 2) Dichlorodifluoromethane | 1.23  | 85   | 22       | 0.409     | ug/l # | 43     |
| 3) Chloromethane           | 1.30  | 50   | 1087     | 1.105     | ug/l # | 43     |
| 4) Vinyl Chloride          | 1.40  | 62   | 1331     | 1.251     | ug/l # | 50     |
| 5) Bromomethane            | 1.64  | 94   | 259      | 0.620     | ug/l # | 50     |
| 6) Chloroethane            | 1.61  | 64   | 1244     | 1.495     | ug/l # | 51     |
| 10) Methyl Iodide          | 2.51  | 142  | 183      | 4.580     | ug/l # | 35     |
| 11) Tert butyl alcohol     | 3.03  | 59   | 1875     | Below Cal | #      | 72     |
| 13) Acrolein               | 2.28  | 56   | 153      | Below Cal | #      | 1      |
| 14) Allyl chloride         | 2.84  | 41   | 115267   | 43.993    | ug/l # | 70     |
| 15) Acrylonitrile          | 3.16  | 53   | 6691     | 6.019     | ug/l # | 39     |
| 16) Acetone                | 2.43  | 43   | 6211     | Below Cal |        | 97     |
| 17) Carbon Disulfide       | 2.58  | 76   | 1458     | 2.689     | ug/l # | 75     |
| 18) Methyl Acetate         | 2.83  | 43   | 279682   | 104.619   | ug/l # | 54     |
| 20) Methylene Chloride     | 2.84  | 84   | 1555     | 1.002     | ug/l # | 1      |
| 25) 2-Butanone             | 4.69  | 43   | 1336     | 0.751     | ug/l # | 77     |
| 27) cis-1,2-Dichloroethene | 4.58  | 96   | 1651     | 0.946     | ug/l   | 83     |
| 29) Tetrahydrofuran        | 5.12  | 42   | 220      | 0.224     | ug/l # | 34     |
| 31) Cyclohexane            | 5.58  | 56   | 81473    | 45.980    | ug/l   | 98     |
| 36) 1,1-Dichloropropene    | 5.65  | 75   | 14875    | 8.650     | ug/l # | 43     |
| 38) Carbon Tetrachloride   | 5.65  | 117  | 19100    | 8.931     | ug/l # | 17     |
| 39) Methylcyclohexane      | 7.45  | 83   | 59039    | 35.318    | ug/l # | 79     |
| 40) Benzene                | 6.14  | 78   | 23292    | 4.260     | ug/l   | 96     |
| 43) Isopropyl Acetate      | 6.34  | 43   | 38437    | 8.113     | ug/l # | 63     |
| 48) Methyl methacrylate    | 7.73  | 41   | 5291     | 2.369     | ug/l # | 59     |
| 49) 1,4-Dioxane            | 7.62  | 88   | 43       | 0.791     | ug/l # | 1      |
| 52) Toluene                | 8.78  | 92   | 1188     | 0.337     | ug/l   | 86     |
| 55) 1,1,2-Trichloroethane  | 9.16  | 97   | 60977    | 33.591    | ug/l # | 19     |
| 56) Ethyl methacrylate     | 9.16  | 69   | 14176    | 4.995     | ug/l # | 1      |
| 59) 2-Hexanone             | 9.51  | 43   | 967      | 0.399     | ug/l   | 81     |
| 67) Ethyl Benzene          | 10.25 | 91   | 2861551  | 406.288   | ug/l   | 98     |
| 68) m/p-Xylenes            | 10.35 | 106  | 722727   | 282.023   | ug/l   | 98     |
| 69) o-Xylene               | 10.69 | 106  | 789      | 0.299     | ug/l   | 78     |
| 70) Styrene                | 10.71 | 104  | 1826     | 0.392     | ug/l # | 55     |
| 71) Bromoform              | 11.12 | 173  | 162      | 2.974     | ug/l # | 29     |

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 Operator : JC/SP  
 Sample : K4978-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 47 Sample Multiplier: 1

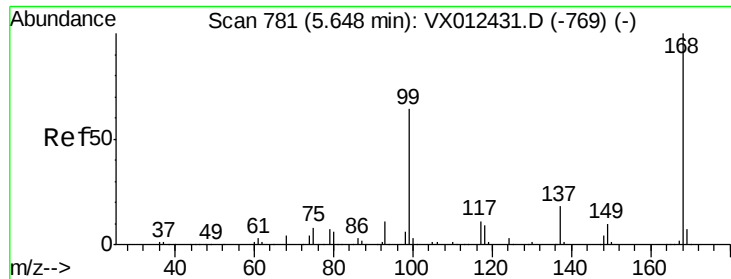
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z2-0162

Quant Time: Sep 21 04:38:59 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) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 73) Isopropylbenzene           | 11.01 | 105  | 676445   | 96.379 | ug/l   | 100      |
| 74) N-amyl acetate             | 10.83 | 43   | 1112     | 0.294  | ug/l # | 53       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 1807     | 0.656  | ug/l # | 68       |
| 76) 1,2,3-Trichloropropane     | 11.35 | 75   | 4044     | 1.574  | ug/l # | 1        |
| 78) n-propylbenzene            | 11.35 | 91   | 543894   | 69.529 | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.45 | 91   | 54610    | 10.731 | ug/l # | 42       |
| 80) 1,3,5-Trimethylbenzene     | 11.45 | 105  | 469078   | 78.366 | ug/l   | 72       |
| 81) trans-1,4-Dichloro-2-buten | 11.01 | 75   | 9274     | 12.391 | ug/l # | 65       |
| 82) 4-Chlorotoluene            | 11.45 | 91   | 54654    | 9.358  | ug/l # | 46       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 13620    | 2.123  | ug/l   | 86       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 475721   | 77.403 | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 132832   | 18.794 | ug/l   | 85       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 62847    | 9.684  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.36 | 91   | 25588    | 4.419  | ug/l # | 1        |
| 90) Hexachloroethane           | 12.58 | 117  | 11489    | 9.655  | ug/l # | 17       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 1176     | 0.349  | ug/l # | 71       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 971      | 1.360  | ug/l # | 6        |
| 95) Naphthalene                | 13.83 | 128  | 574794   | 74.522 | ug/l   | 100      |
| -----                          |       |      |          |        |        |          |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

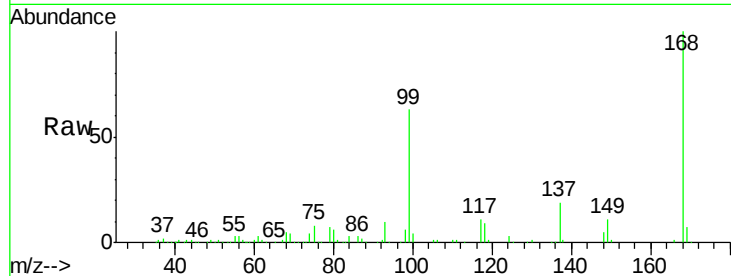
Z2-0162

Tot Ion:168 Resp: 179005

Ion Ratio Lower Upper

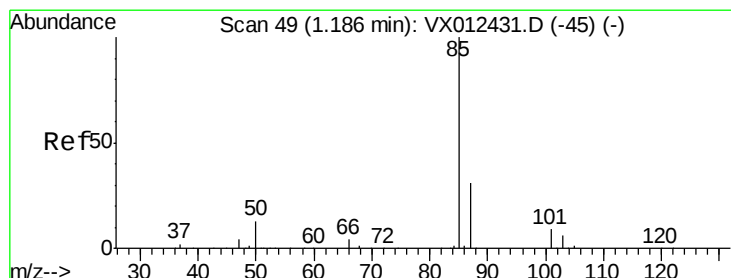
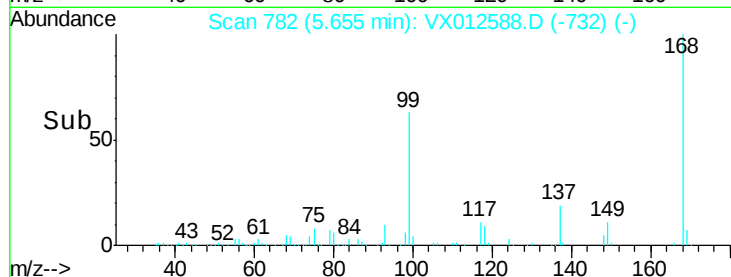
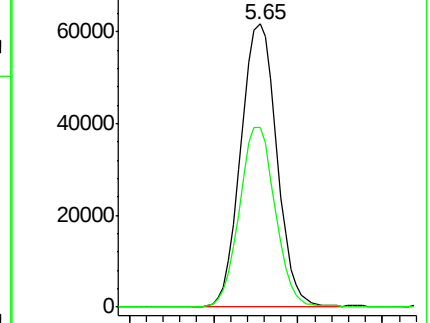
168 100

99 63.3 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: 0.409 ug/l

RT: 1.23 min Scan# 57

Delta R.T. 0.05 min

Lab File: VX012588.D

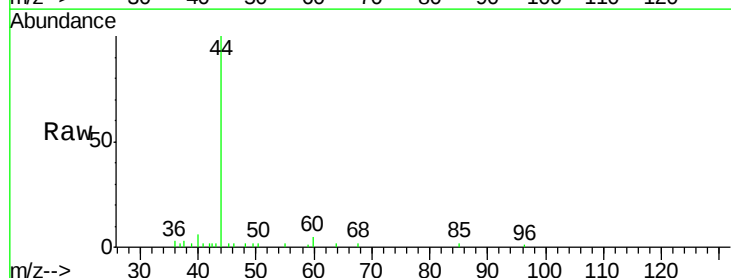
Acq: 21 Sep 2019 04:02

Tgt Ion: 85 Resp: 22

Ion Ratio Lower Upper

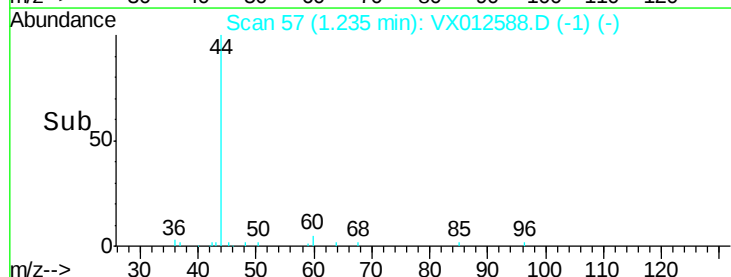
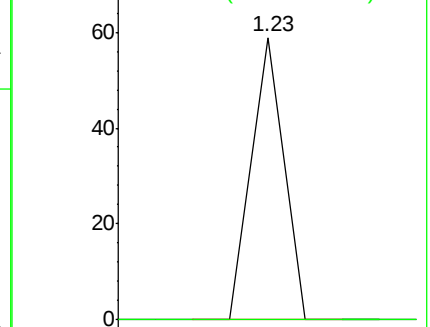
85 100

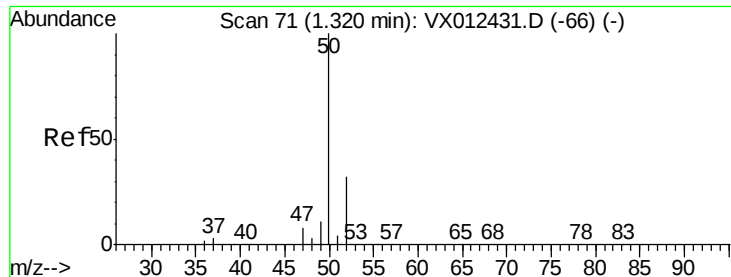
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.105 ug/l

RT: 1.30 min Scan# 67

Delta R.T. -0.02 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampled :

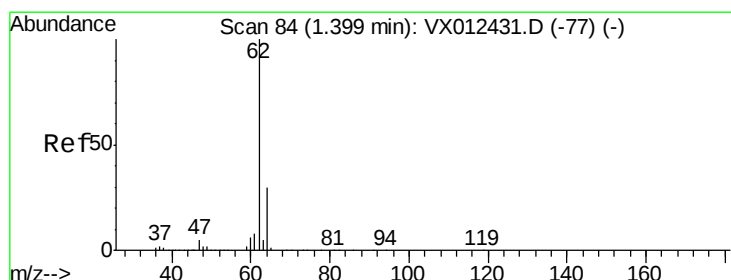
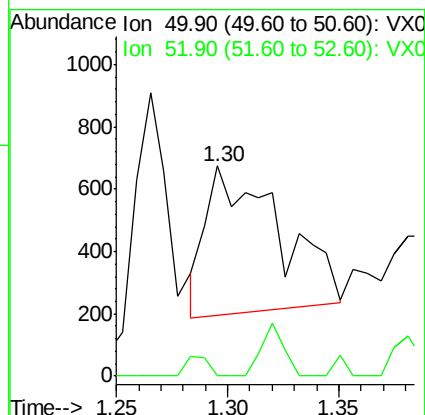
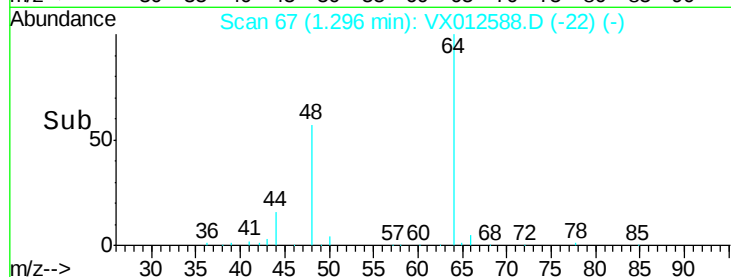
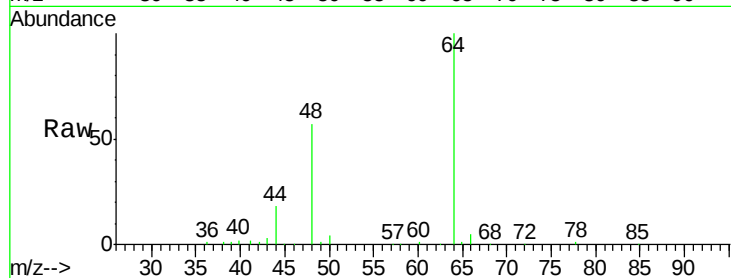
Z2-0162

Tot Ion: 50 Resp: 1087

Ion Ratio Lower Upper

50 100

52 0.0 25.7 38.5#



#4

Vinyl Chloride

Concen: 1.251 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012588.D

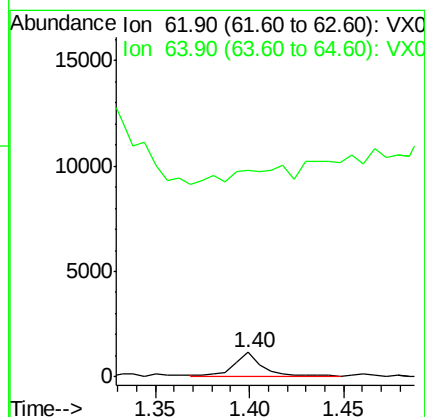
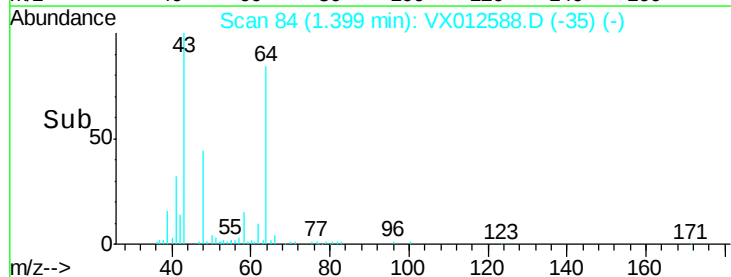
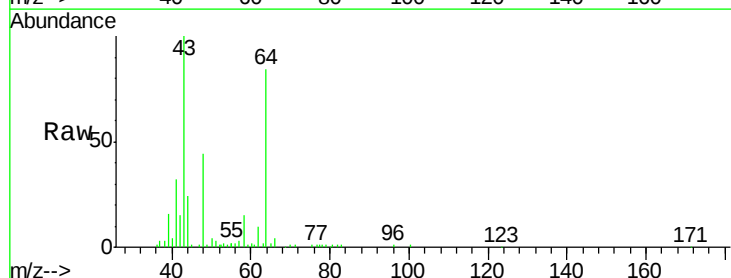
Acq: 21 Sep 2019 04:02

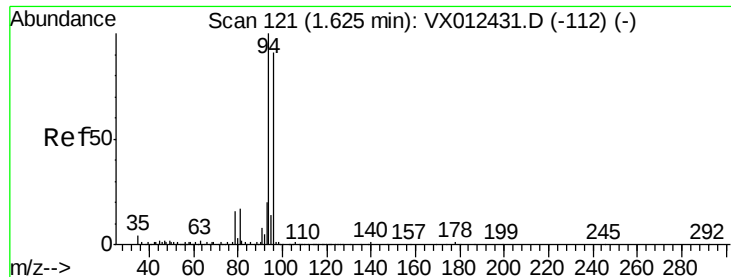
Tgt Ion: 62 Resp: 1331

Ion Ratio Lower Upper

62 100

64 57.2 24.2 36.2#





#5

Bromomethane

Concen: 0.620 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampled :

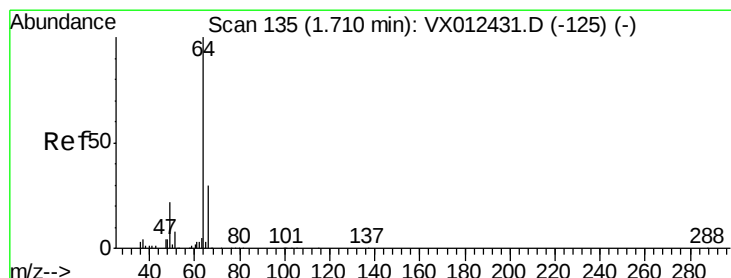
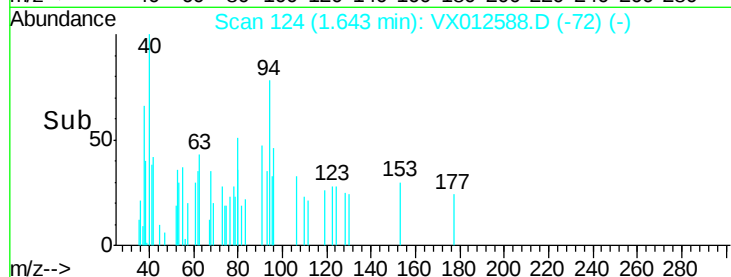
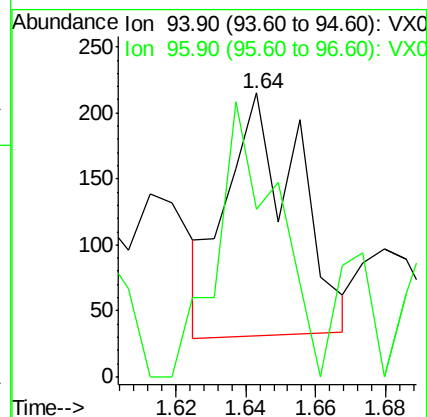
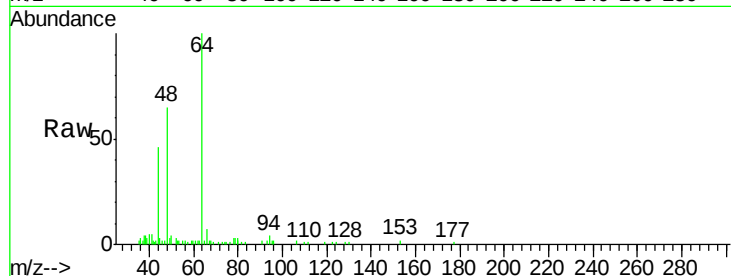
Z2-0162

Tot Ion: 94 Resp: 259

Ion Ratio Lower Upper

94 100

96 43.8 72.8 109.2#



#6

Chloroethane

Concen: 1.495 ug/l

RT: 1.61 min Scan# 118

Delta R.T. -0.10 min

Lab File: VX012588.D

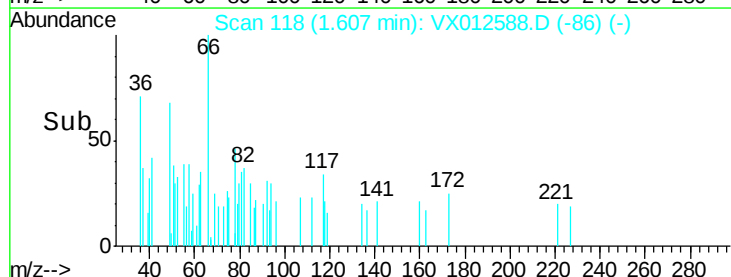
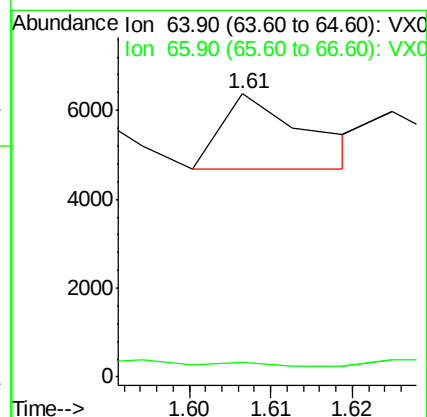
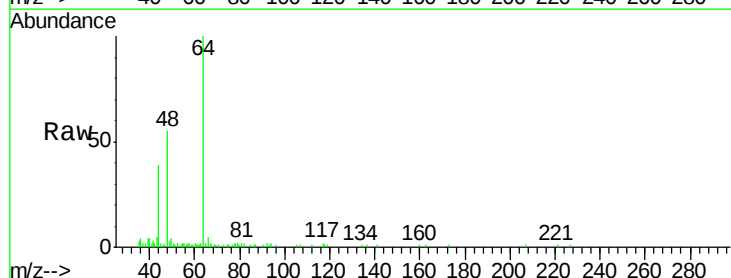
Acq: 21 Sep 2019 04:02

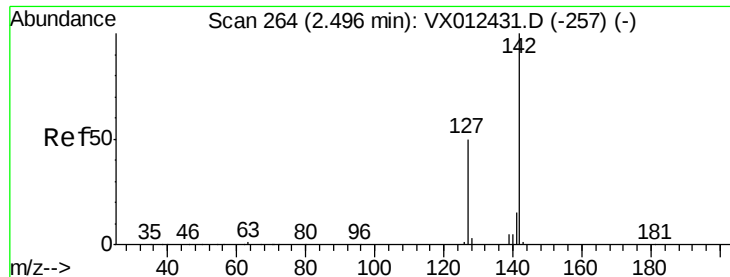
Tgt Ion: 64 Resp: 1244

Ion Ratio Lower Upper

64 100

66 3.5 24.0 36.0#

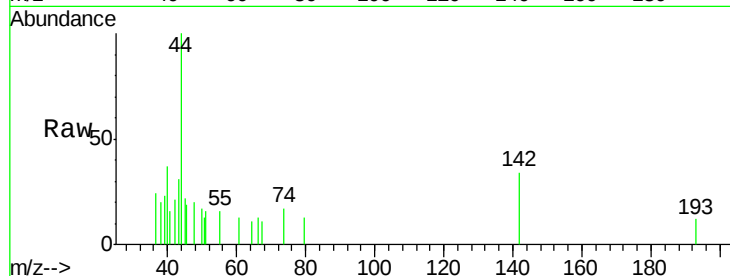




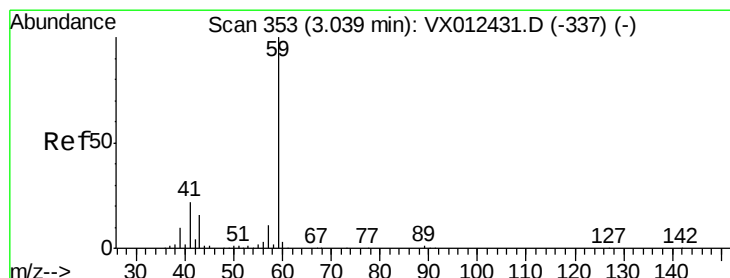
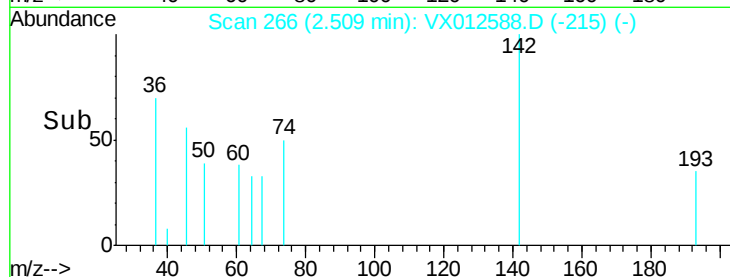
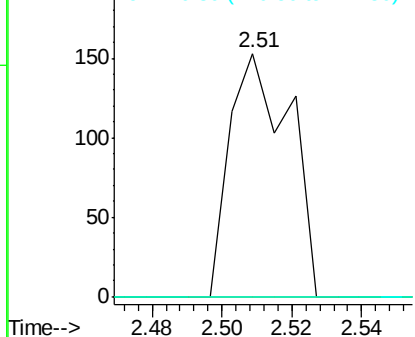
#10  
Methyl Iodide  
Concen: 4.580 ug/l  
RT: 2.51 min Scan# 266  
Delta R.T. 0.01 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z2-0162

Tot Ion: 142 Resp: 183  
Ion Ratio Lower Upper  
142 100  
127 0.0 40.8 61.2#  
141 0.0 12.1 18.1#

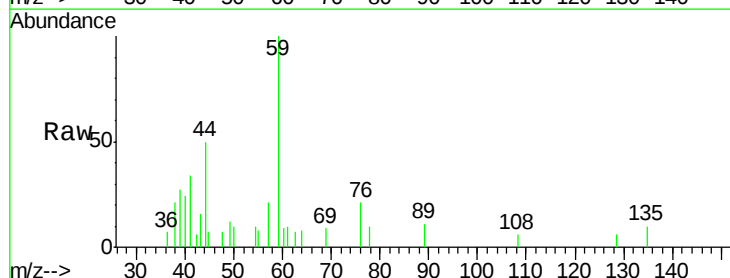


Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V

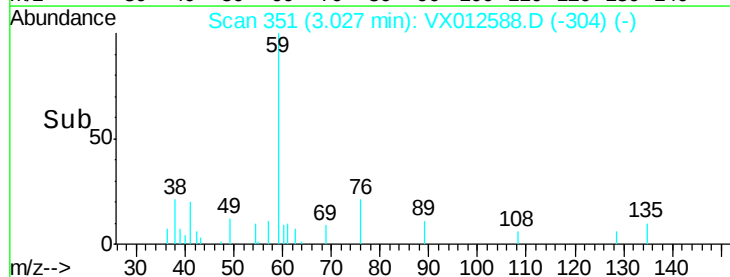
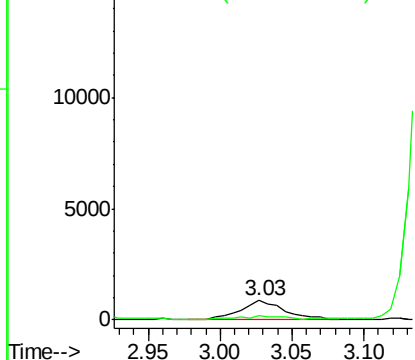


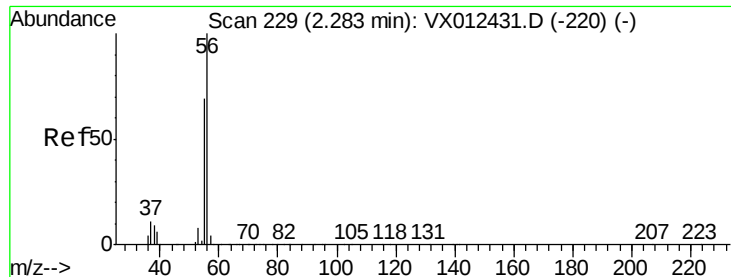
#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 3.03 min Scan# 351  
Delta R.T. -0.01 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Tgt Ion: 59 Resp: 1875  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0  
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

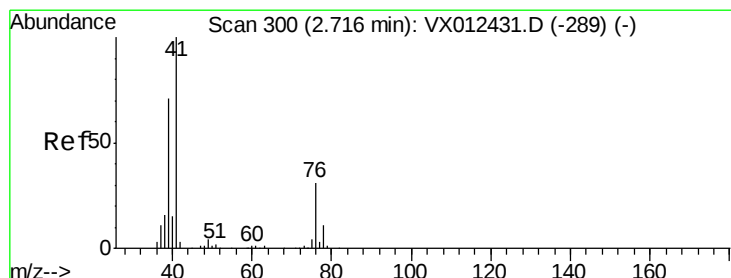
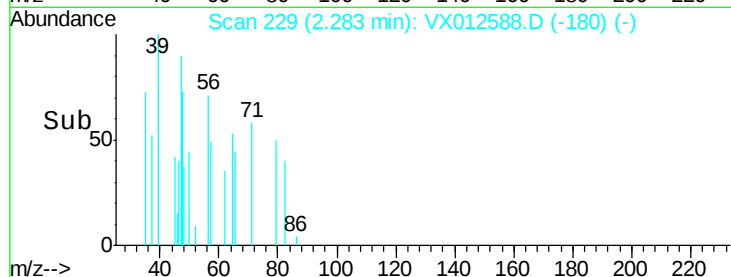
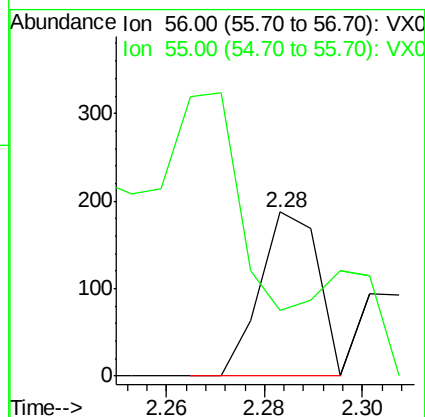
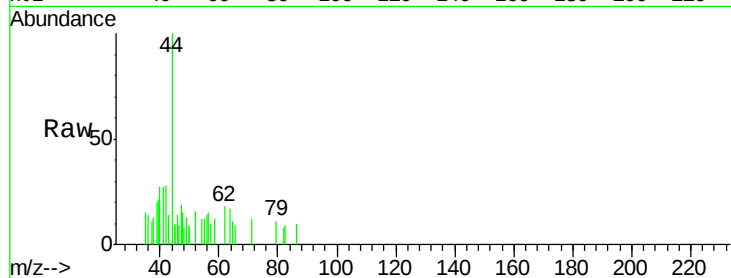
Z2-0162

Tot Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 301.3 55.8 83.8#



#14

Allyl chloride

Concen: 43.993 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.12 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

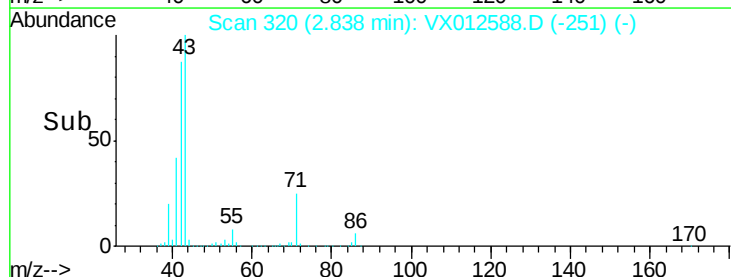
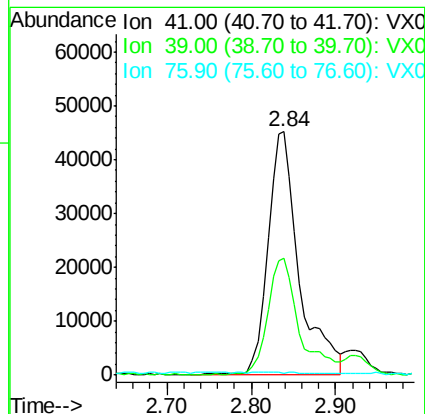
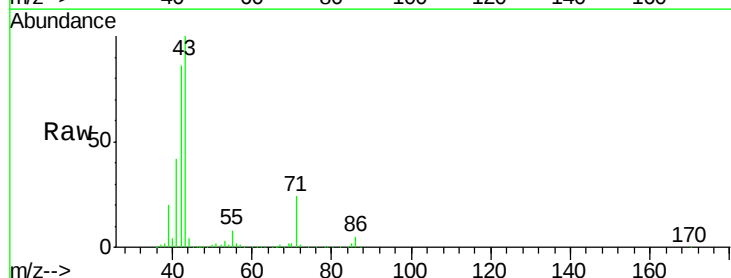
Tgt Ion: 41 Resp: 115267

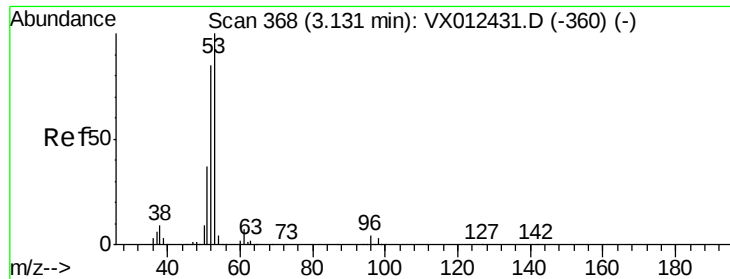
Ion Ratio Lower Upper

41 100

39 48.5 51.3 76.9#

76 0.0 22.6 33.8#





#15

Acrylonitrile

Concen: 6.019 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.03 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

Z2-0162

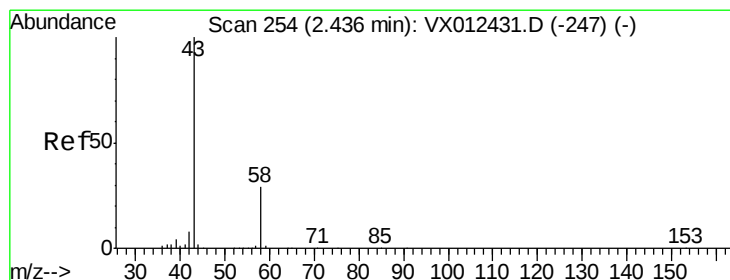
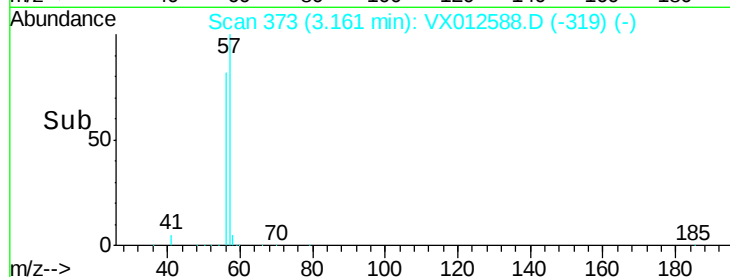
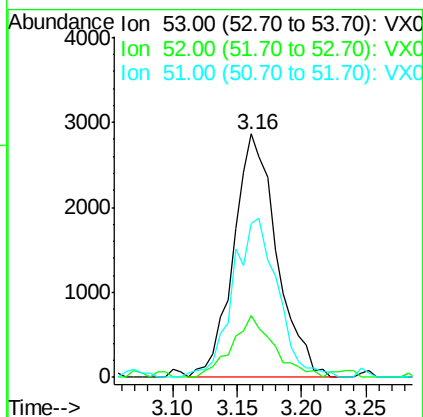
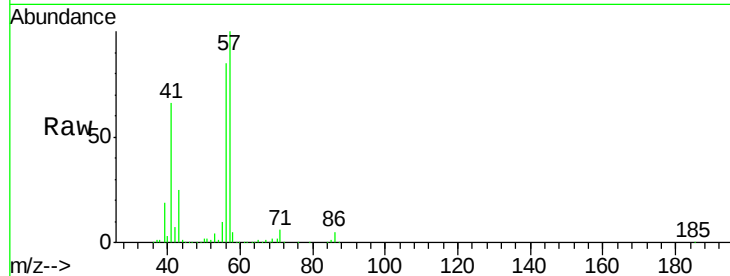
Tot Ion: 53 Resp: 6691

Ion Ratio Lower Upper

53 100

52 24.4 67.0 100.4#

51 67.8 29.6 44.4#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012588.D

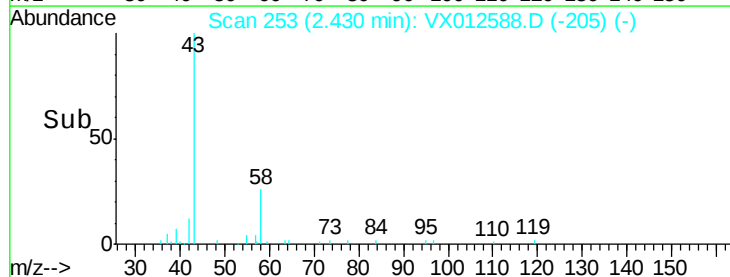
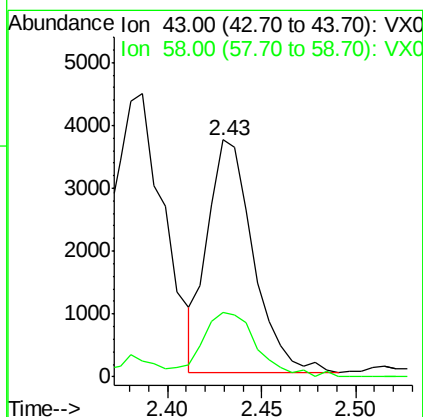
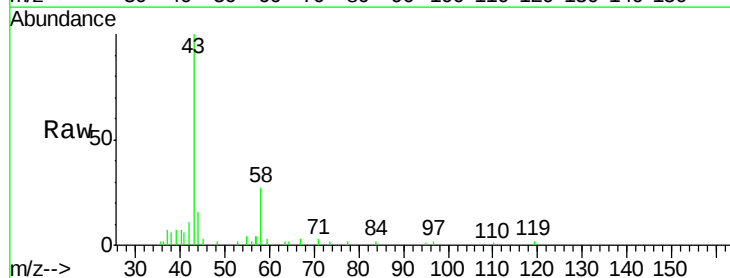
Acq: 21 Sep 2019 04:02

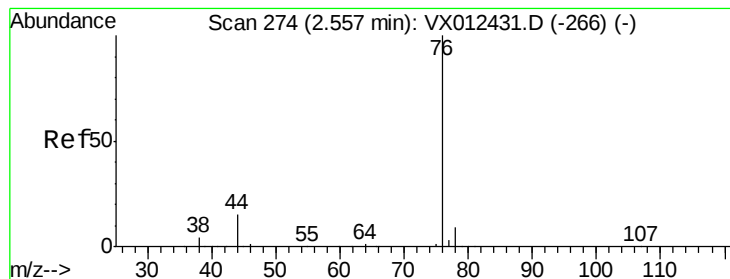
Tgt Ion: 43 Resp: 6211

Ion Ratio Lower Upper

43 100

58 27.7 23.3 34.9





#17

Carbon Disulfide

Concen: 2.689 ug/l

RT: 2.58 min Scan# 277

Delta R.T. 0.02 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

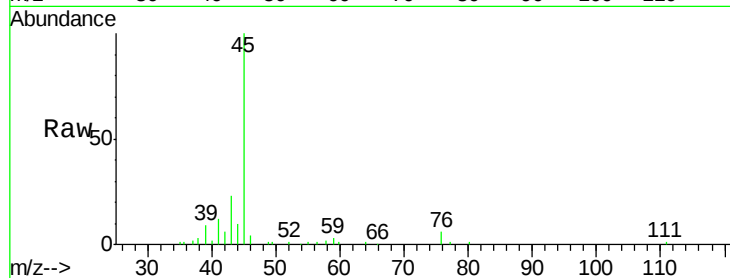
Z2-0162

Tot Ion: 76 Resp: 1458

Ion Ratio Lower Upper

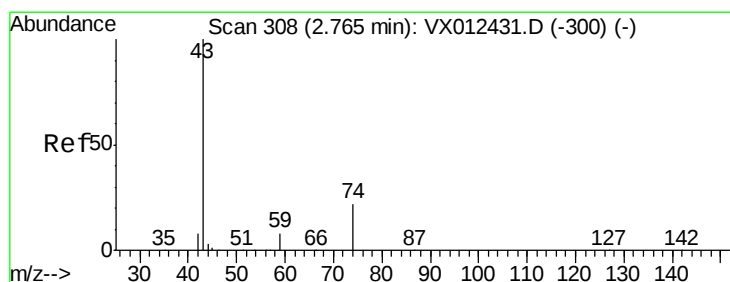
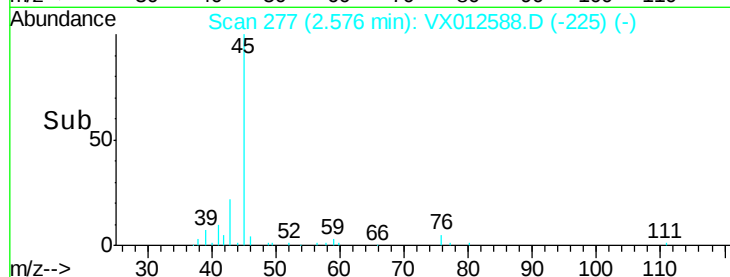
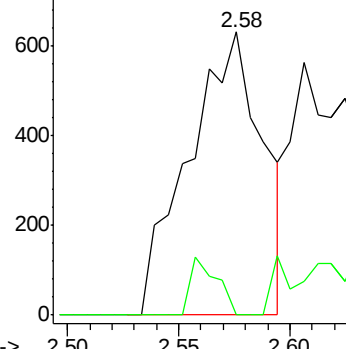
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 104.619 ug/l

RT: 2.83 min Scan# 319

Delta R.T. 0.07 min

Lab File: VX012588.D

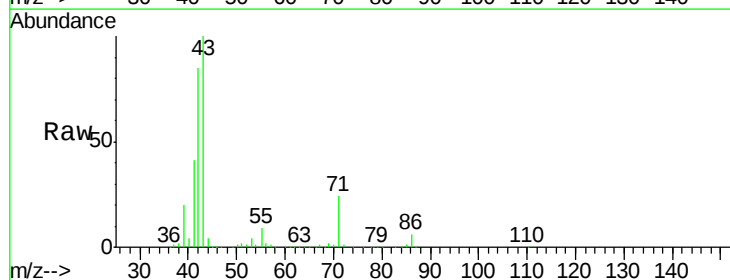
Acq: 21 Sep 2019 04:02

Tgt Ion: 43 Resp: 279682

Ion Ratio Lower Upper

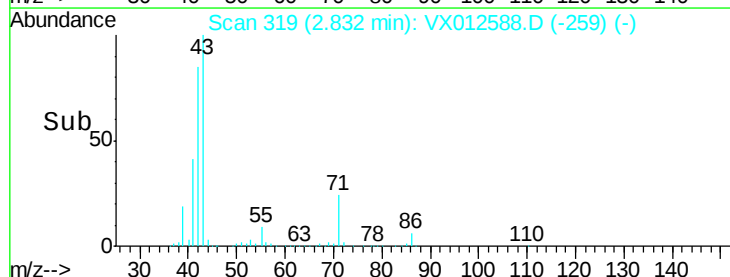
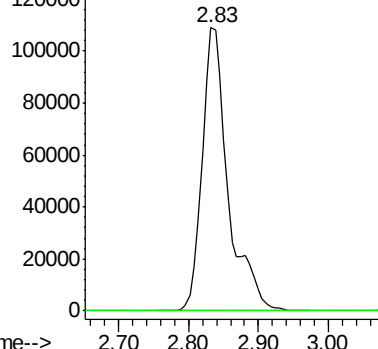
43 100

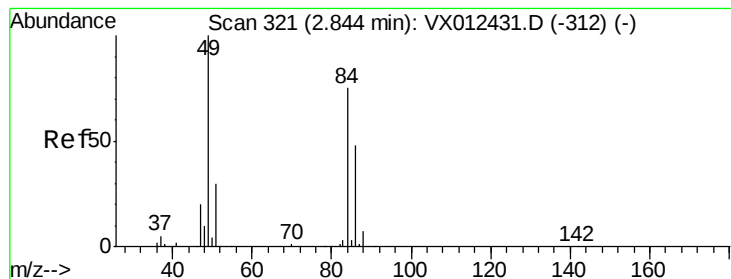
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 1.002 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

Z2-0162

Tot Ion: 84 Resp: 1555

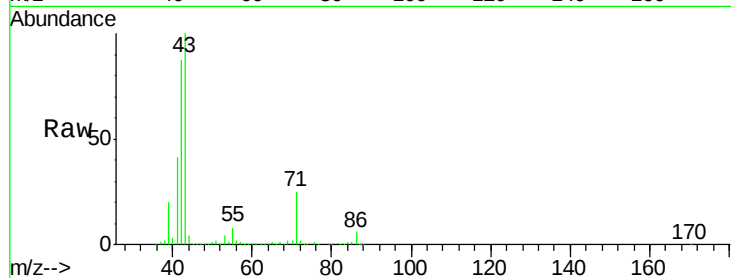
Ion Ratio Lower Upper

84 100

49 66.1 106.8 160.2#

51 270.3 32.3 48.5#

86 940.2 51.3 76.9#

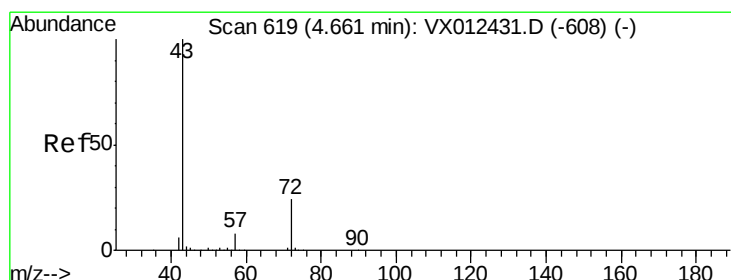
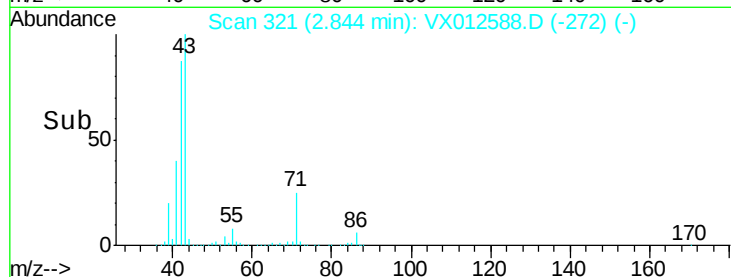
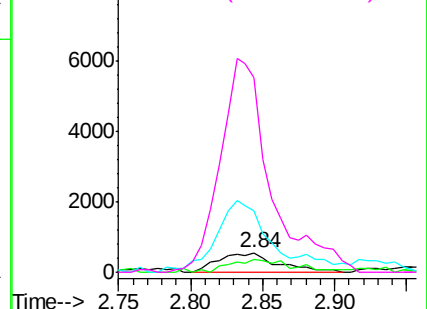


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.751 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX012588.D

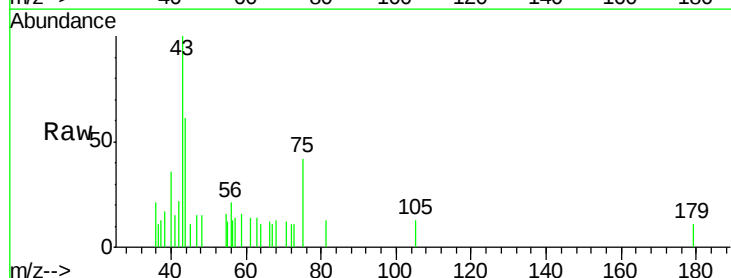
Acq: 21 Sep 2019 04:02

Tgt Ion: 43 Resp: 1336

Ion Ratio Lower Upper

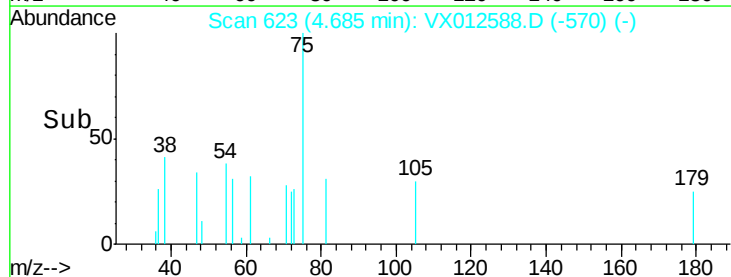
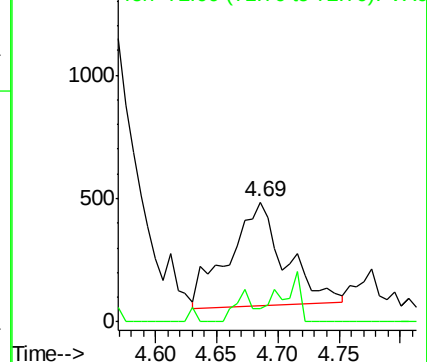
43 100

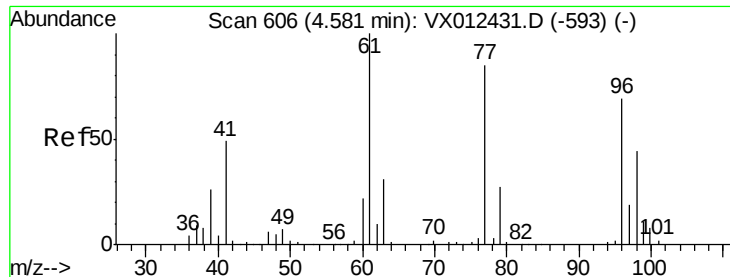
72 12.8 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



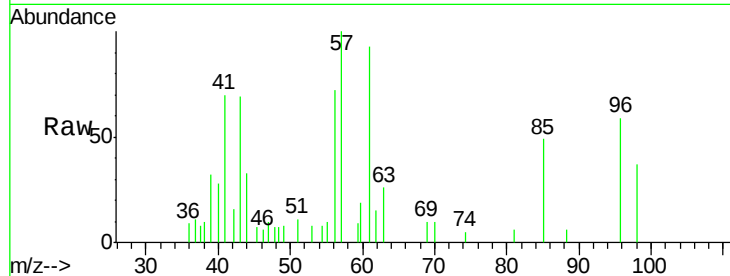


#27

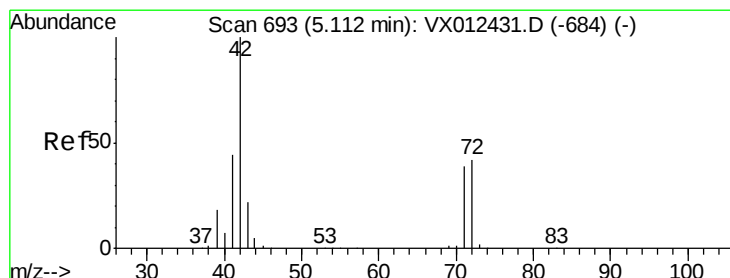
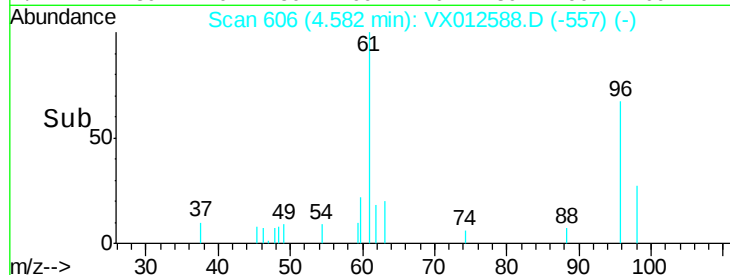
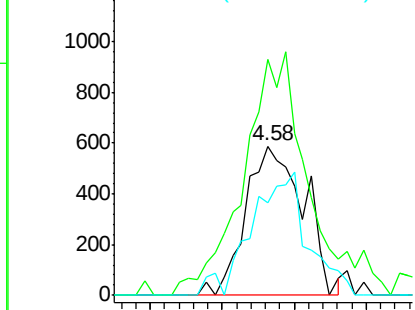
cis-1,2-Dichloroethene  
Concen: 0.946 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. 0.00 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Instrument :  
MSVOA\_X  
ClientSampled :  
Z2-0162

Tot Ion: 96 Resp: 1651  
Ion Ratio Lower Upper  
96 100  
61 181.8 0.0 319.4  
98 80.3 0.0 130.6



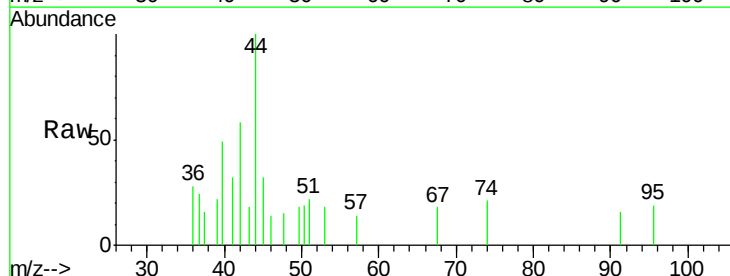
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



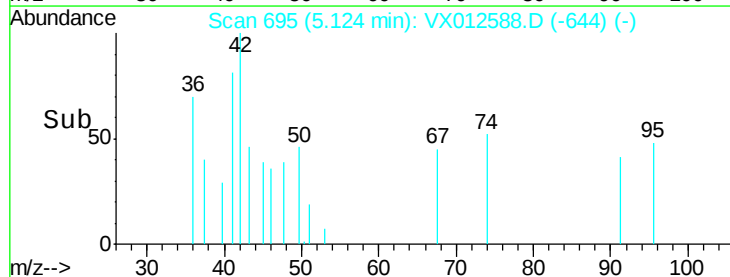
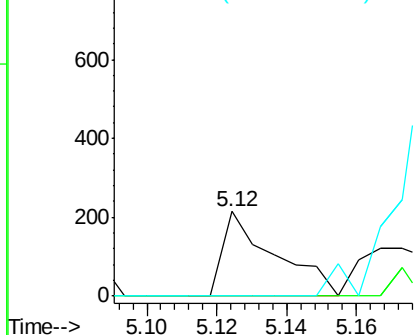
#29

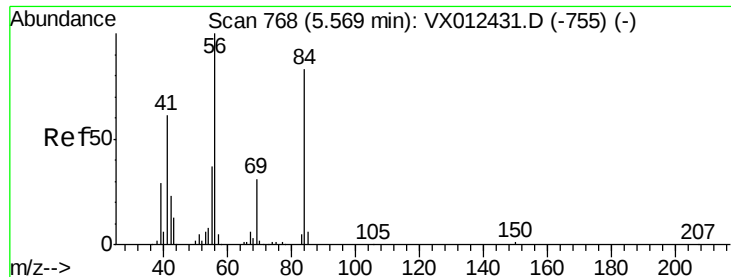
Tetrahydrofuran  
Concen: 0.224 ug/l  
RT: 5.12 min Scan# 695  
Delta R.T. 0.01 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Tgt Ion: 42 Resp: 220  
Ion Ratio Lower Upper  
42 100  
72 0.0 34.0 51.0#  
71 0.0 31.5 47.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0  
Ion 72.00 (71.70 to 72.70): VX0  
Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 45.980 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampled :

Z2-0162

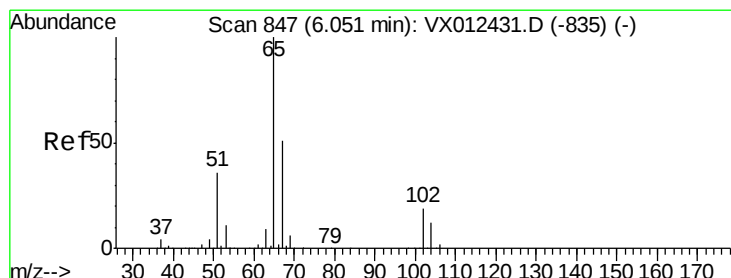
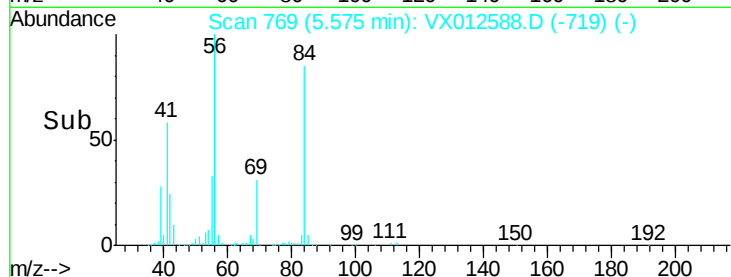
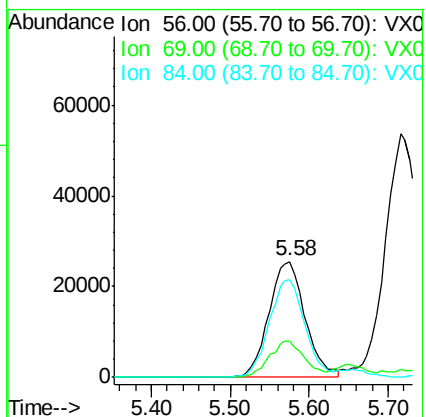
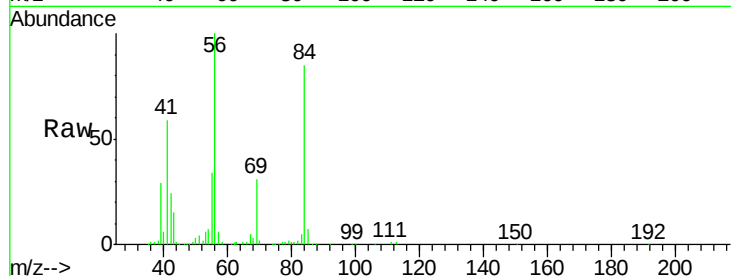
Tot Ion: 56 Resp: 81473

Ion Ratio Lower Upper

56 100

69 30.8 25.0 37.6

84 84.6 66.4 99.6



#33

1,2-Dichloroethane-d4

Concen: 45.551 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012588.D

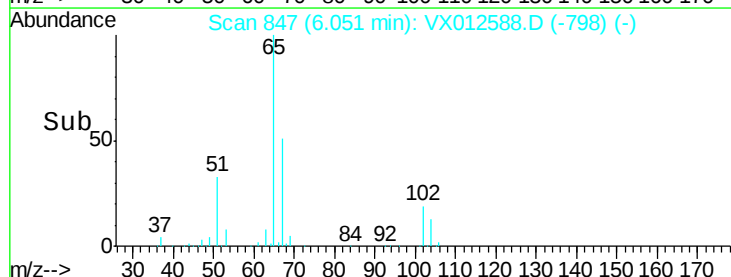
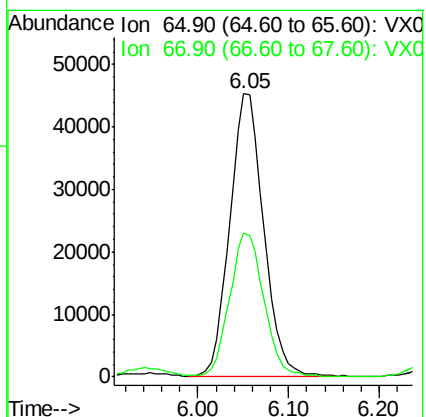
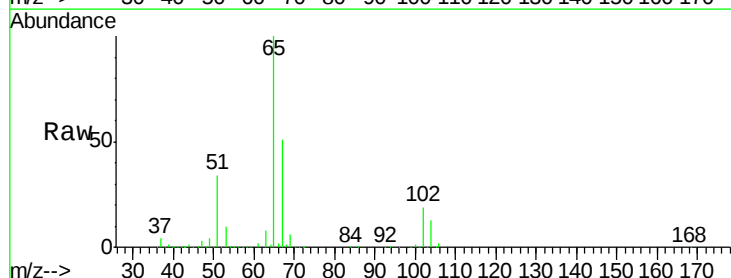
Acq: 21 Sep 2019 04:02

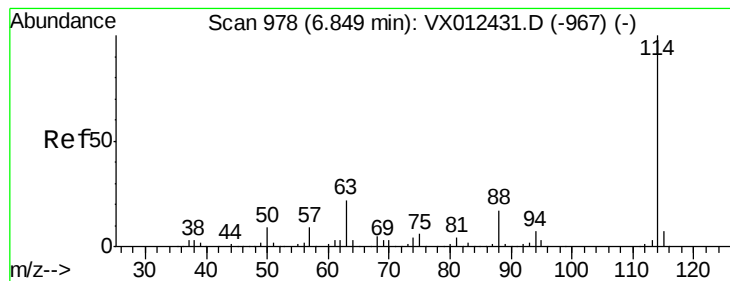
Tgt Ion: 65 Resp: 116860

Ion Ratio Lower Upper

65 100

67 51.4 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: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

Z2-0162

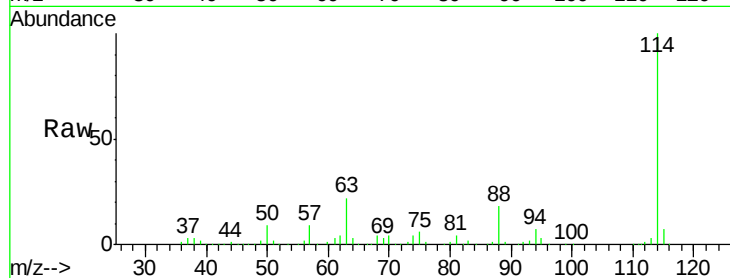
Tot Ion:114 Resp: 282939

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

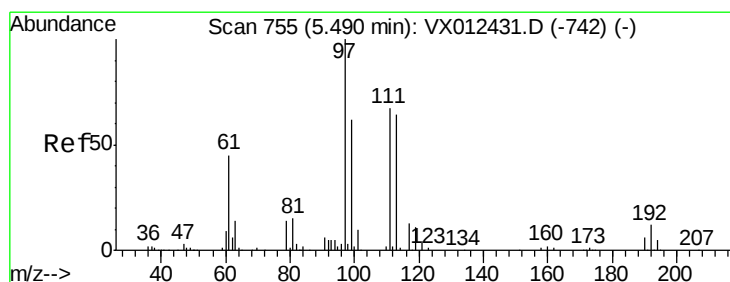
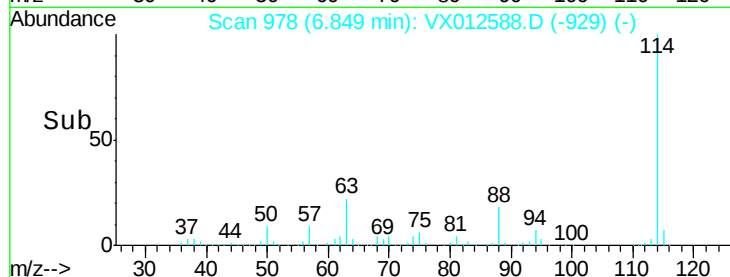
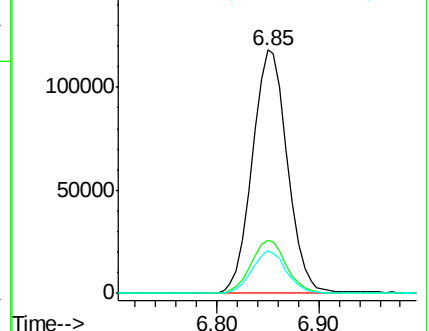
88 17.6 0.0 33.2



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: 49.914 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

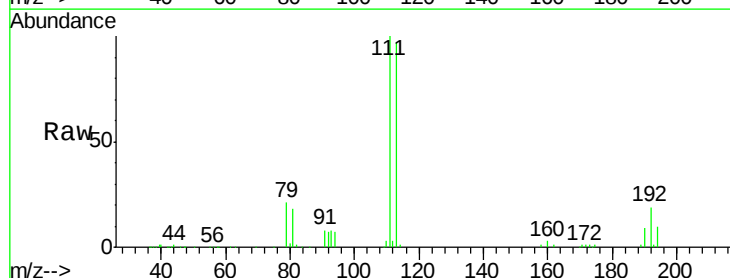
Tgt Ion:113 Resp: 85478

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

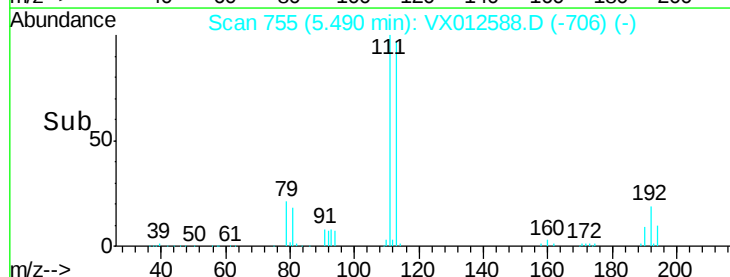
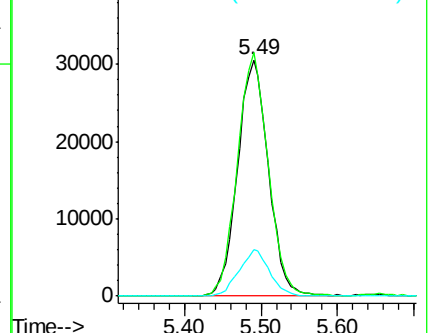
192 19.4 14.4 21.6

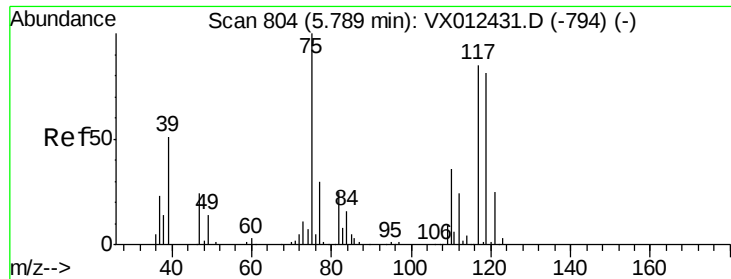


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 8.650 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

Z2-0162

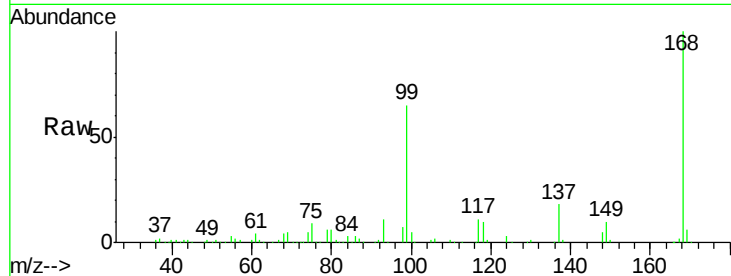
Tot Ion: 75 Resp: 14875

Ion Ratio Lower Upper

75 100

110 0.0 16.7 50.0#

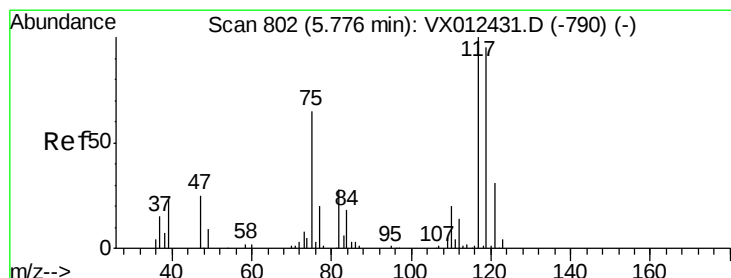
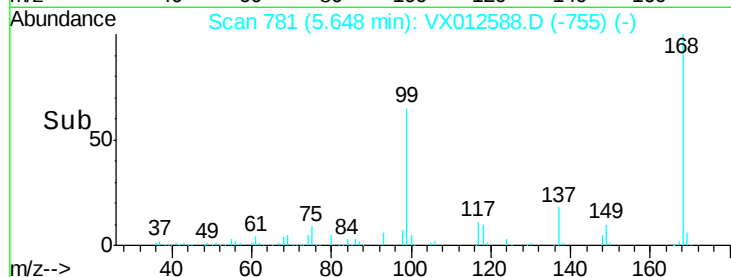
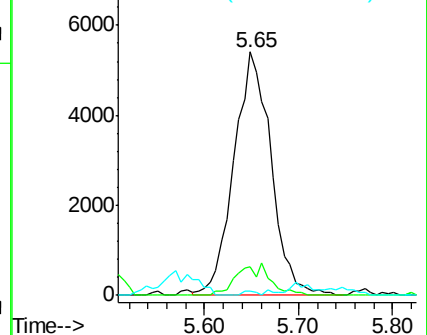
77 0.6 24.2 36.2#



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# 781

Delta R.T. -0.13 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

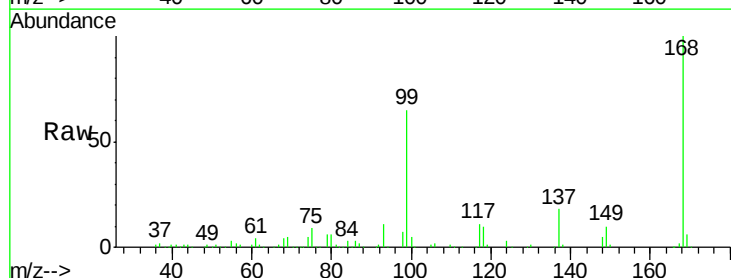
Tgt Ion: 117 Resp: 19100

Ion Ratio Lower Upper

117 100

119 5.7 75.7 113.5#

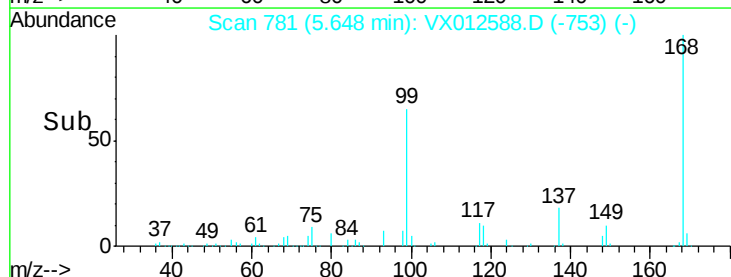
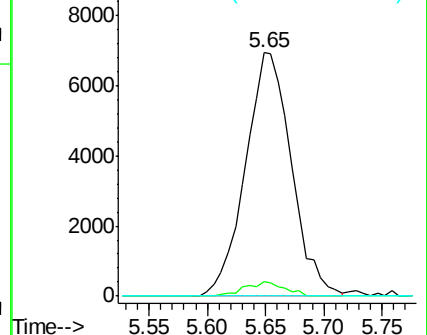
121 0.0 24.2 36.4#

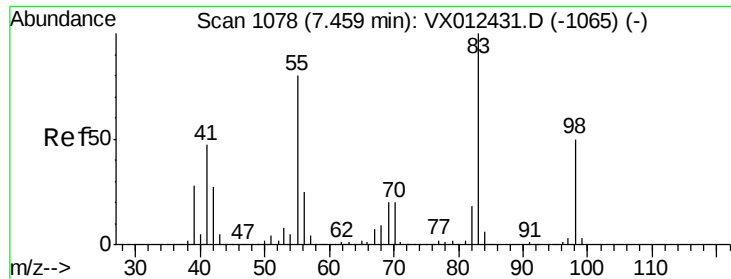


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

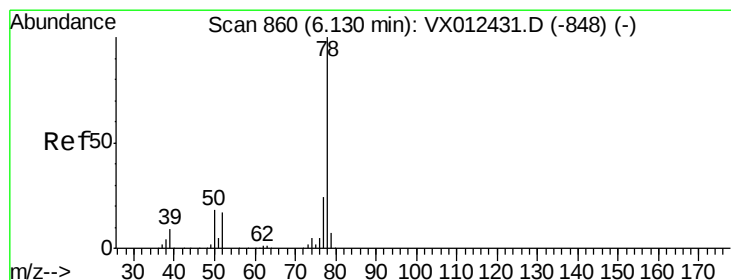
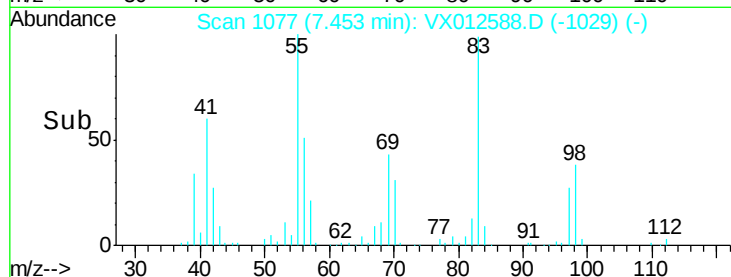
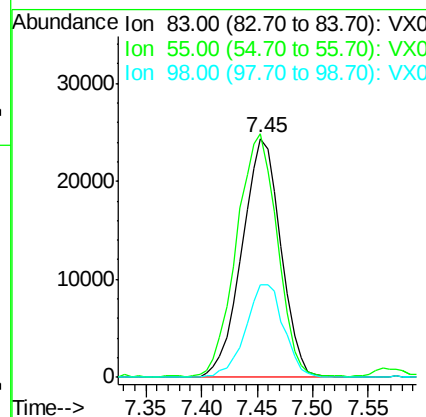
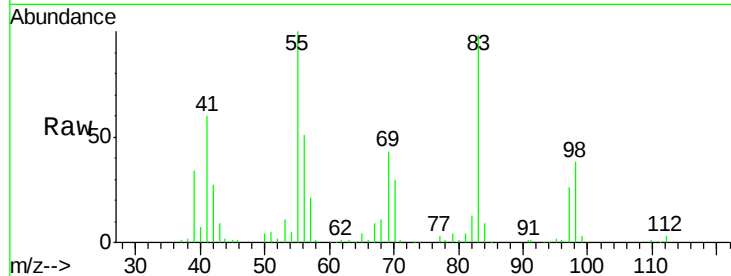




#39  
Methvlcvclohexane  
Concen: 35.318 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

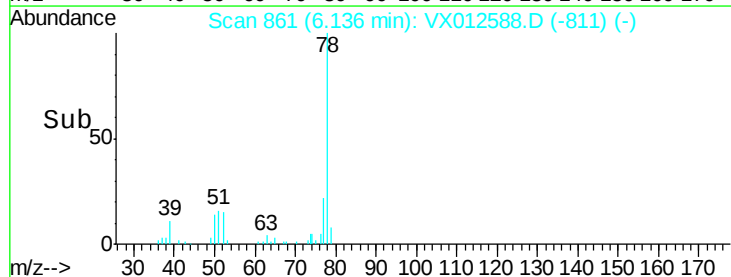
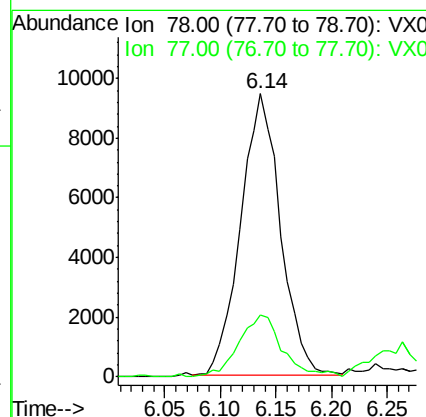
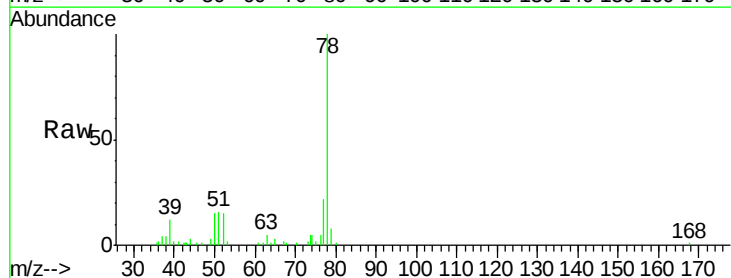
Instrument :  
MSVOA\_X  
ClientSampleId :  
Z2-0162

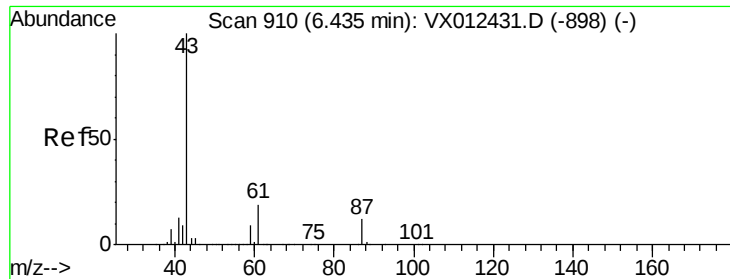
Tot Ion: 83 Resp: 59039  
Ion Ratio Lower Upper  
83 100  
55 101.1 64.4 96.6#  
98 38.8 40.1 60.1#



#40  
Benzene  
Concen: 4.260 ug/l  
RT: 6.14 min Scan# 861  
Delta R.T. 0.01 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Tgt Ion: 78 Resp: 23292  
Ion Ratio Lower Upper  
78 100  
77 21.9 19.2 28.8





#43

Isopropyl Acetate

Concen: 8.113 ug/l

RT: 6.34 min Scan# 895

Delta R.T. -0.09 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

Z2-0162

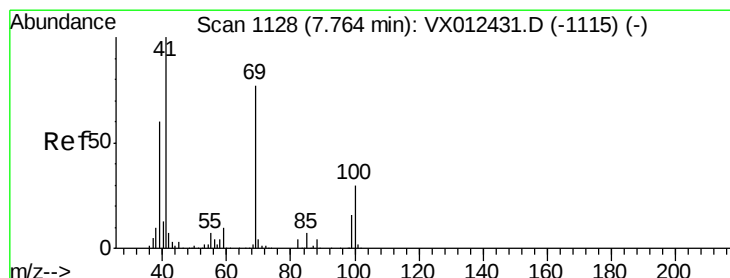
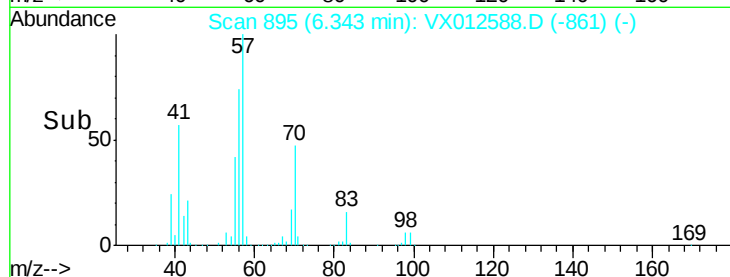
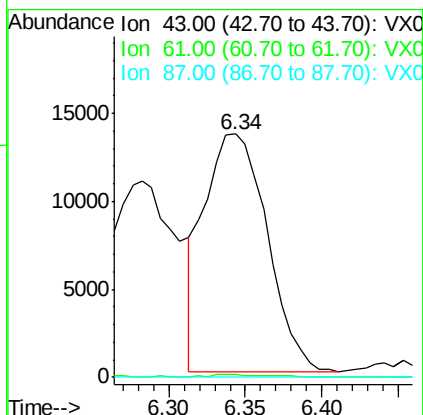
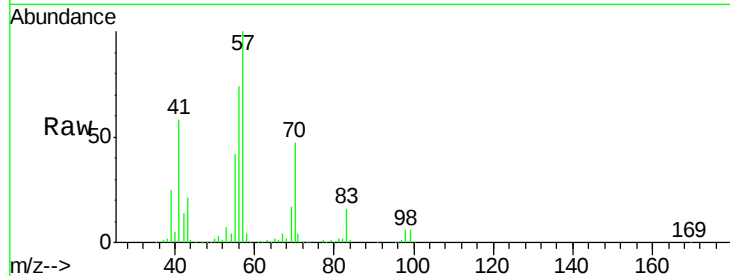
Tot Ion: 43 Resp: 38437

Ion Ratio Lower Upper

43 100

61 0.6 15.4 23.0#

87 0.0 9.8 14.8#



#48

Methyl methacrylate

Concen: 2.369 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

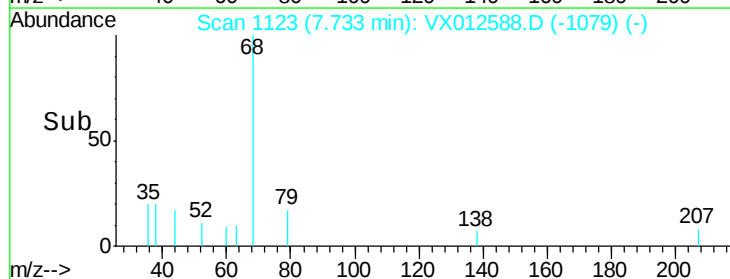
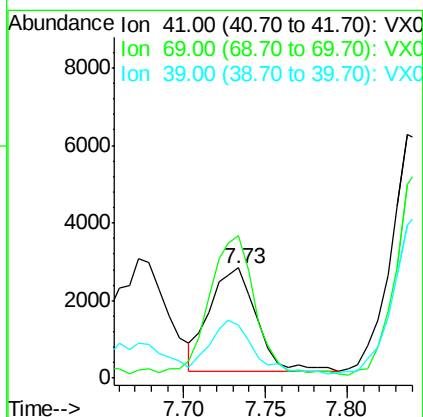
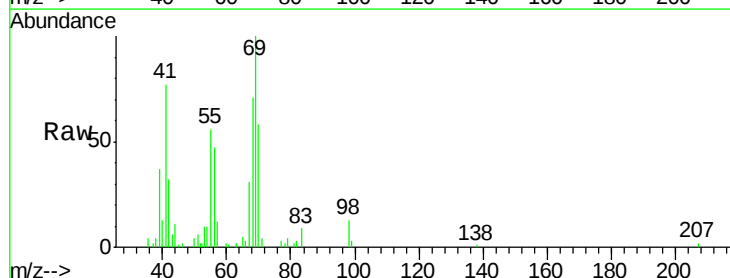
Tgt Ion: 41 Resp: 5291

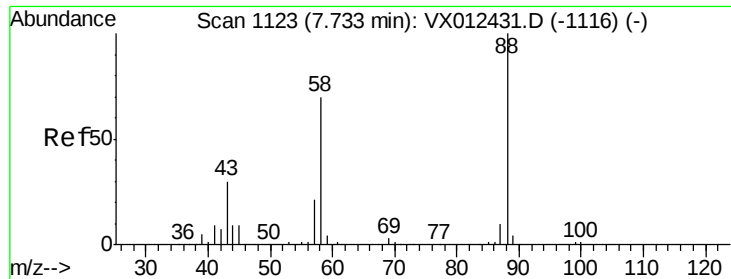
Ion Ratio Lower Upper

41 100

69 126.0 59.9 89.9#

39 47.3 47.8 71.6#

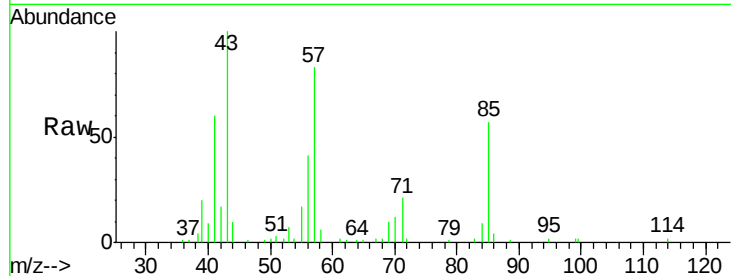




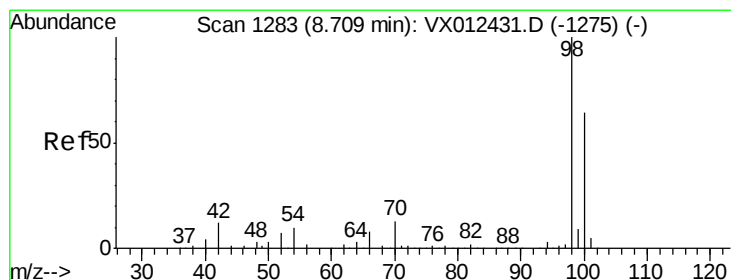
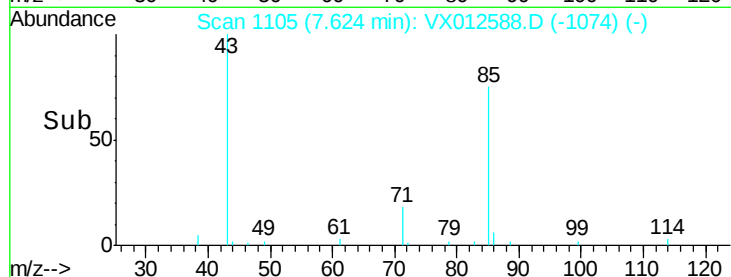
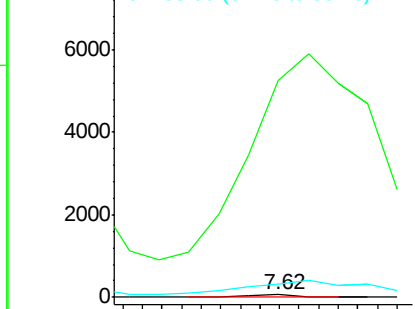
#49  
1,4-Dioxane  
Concen: 0.791 ug/l  
RT: 7.62 min Scan# 1105  
Delta R.T. -0.11 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z2-0162

Tot Ion: 88 Resp: 43  
Ion Ratio Lower Upper  
88 100  
43 32681.4 29.4 44.0#  
58 1734.9 57.5 86.3#

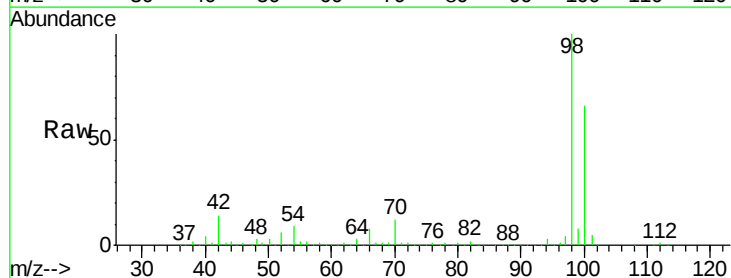


Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

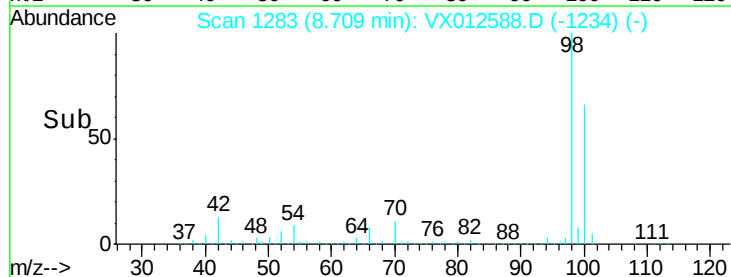
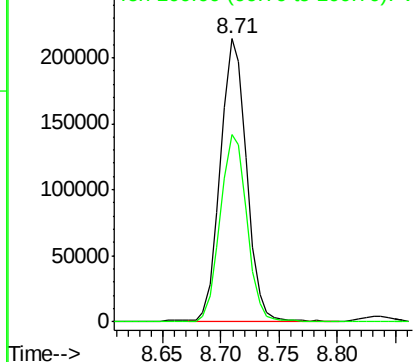


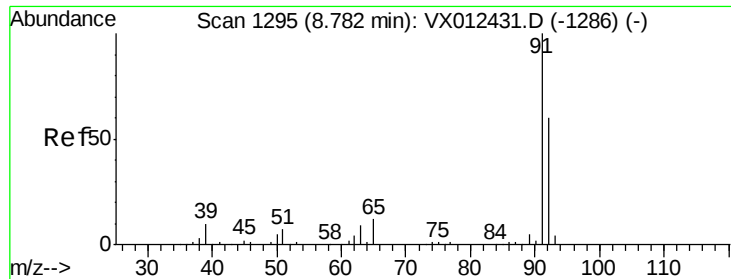
#50  
Toluene-d8  
Concen: 52.172 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Tgt Ion: 98 Resp: 330705  
Ion Ratio Lower Upper  
98 100  
100 68.0 53.4 80.2



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





#52

Toluene

Concen: 0.337 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampled :

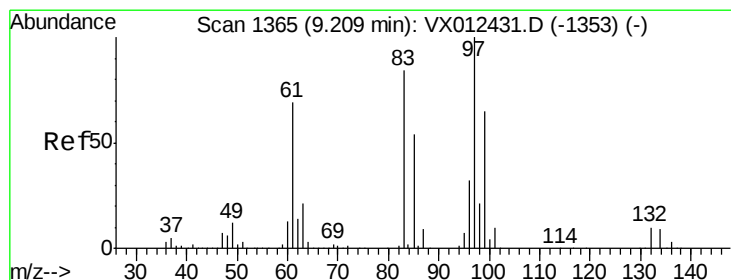
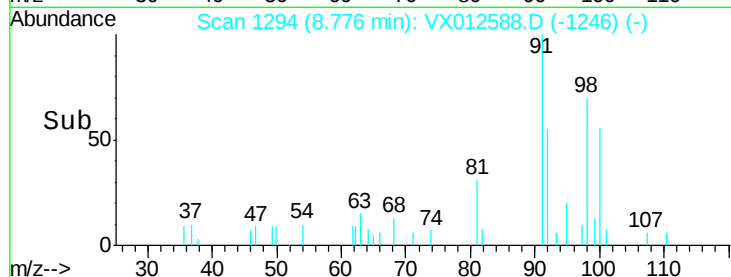
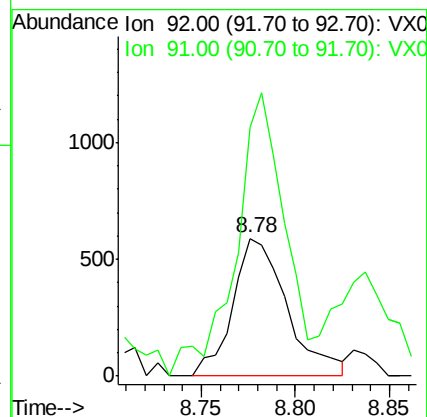
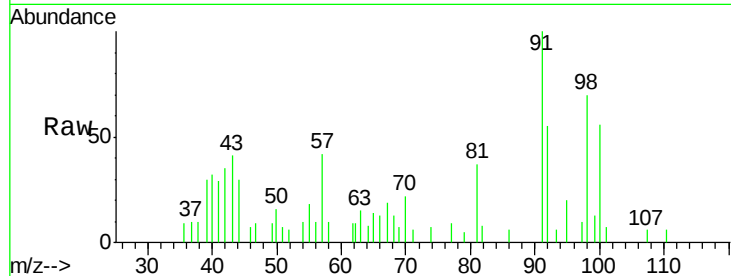
Z2-0162

Tot Ion: 92 Resp: 1188

Ion Ratio Lower Upper

92 100

91 188.0 135.4 203.0



#55

1,1,2-Trichloroethane

Concen: 33.591 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.05 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Tgt Ion: 97 Resp: 60977

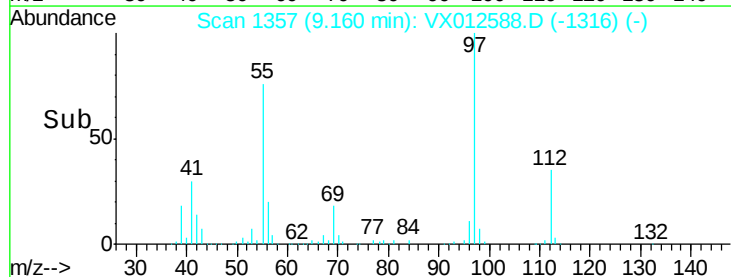
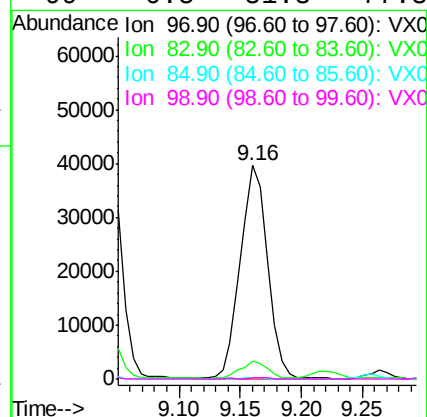
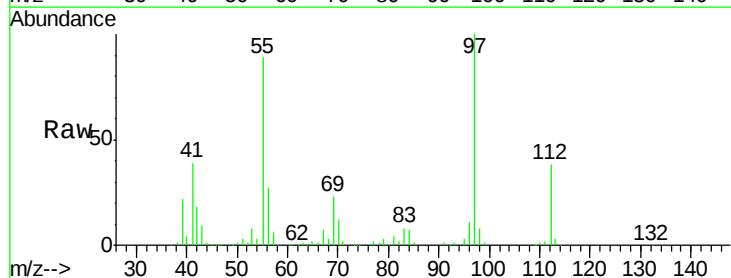
Ion Ratio Lower Upper

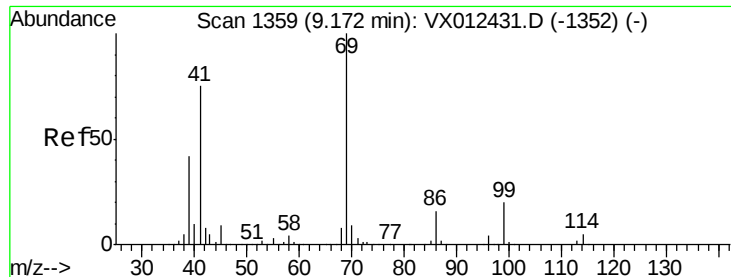
97 100

83 8.0 67.4 101.2#

85 0.6 43.5 65.3#

99 0.5 51.8 77.8#





#56

Ethyl methacrylate

Concen: 4.995 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

Z2-0162

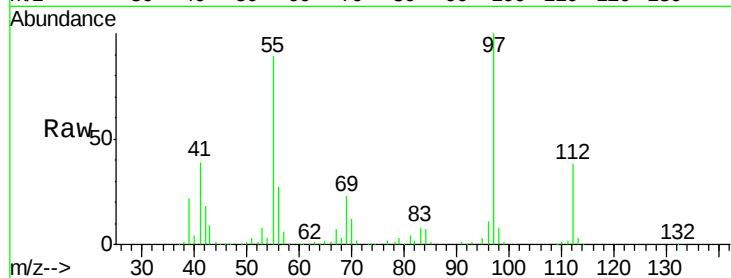
Tot Ion: 69 Resp: 14176

Ion Ratio Lower Upper

69 100

41 165.9 58.4 87.6#

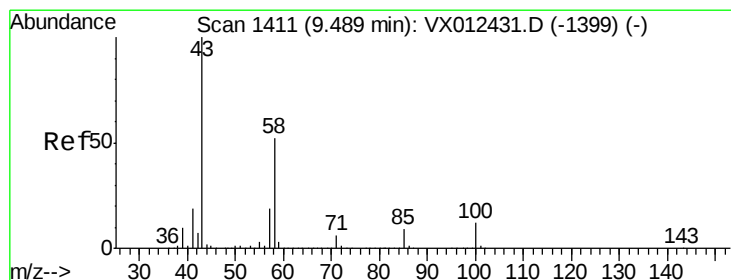
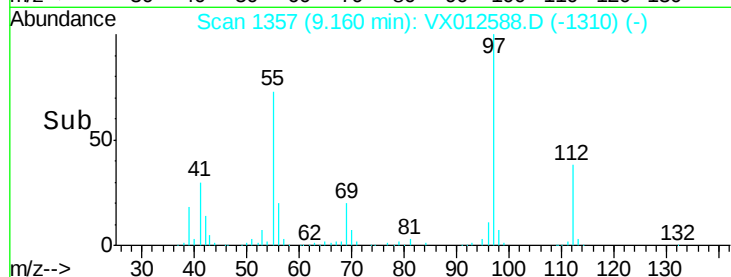
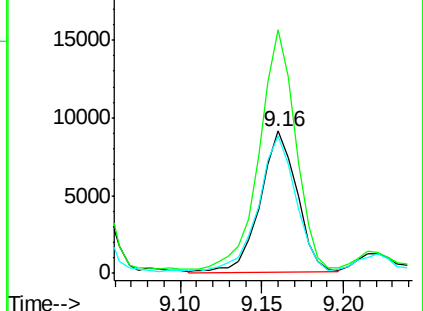
39 96.7 33.4 50.0#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.399 ug/l

RT: 9.51 min Scan# 1415

Delta R.T. 0.02 min

Lab File: VX012588.D

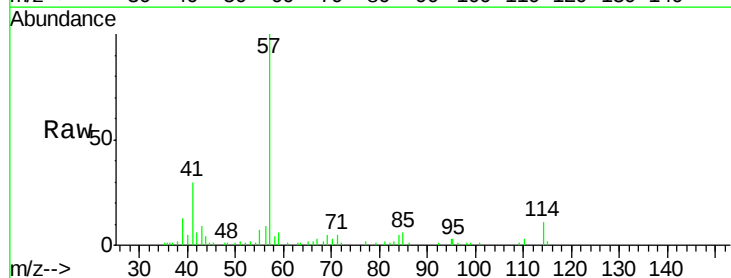
Acq: 21 Sep 2019 04:02

Tgt Ion: 43 Resp: 967

Ion Ratio Lower Upper

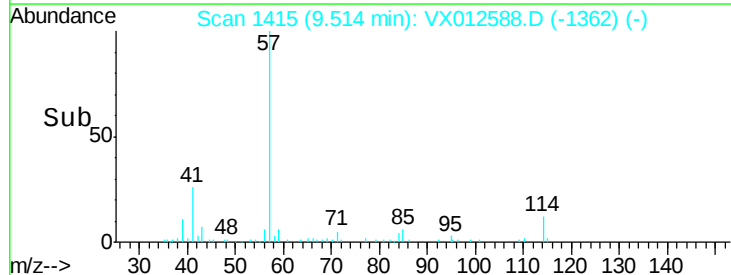
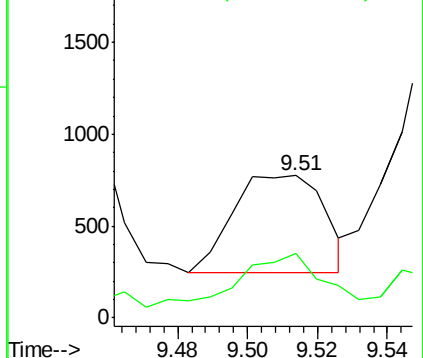
43 100

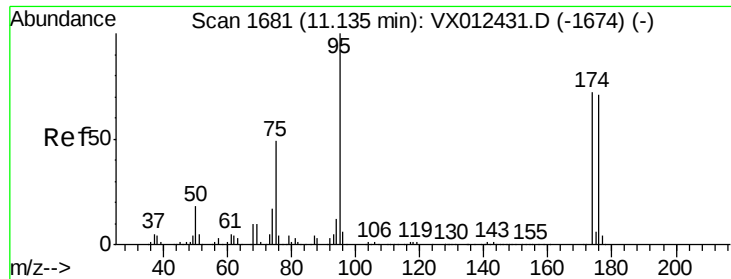
58 64.5 25.7 77.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.592 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

Z2-0162

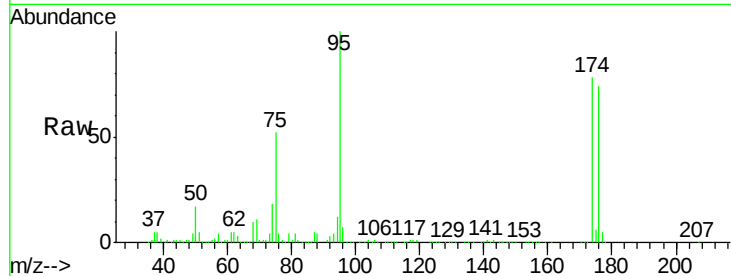
Tot Ion: 95 Resp: 122627

Ion Ratio Lower Upper

95 100

174 73.3 0.0 140.0

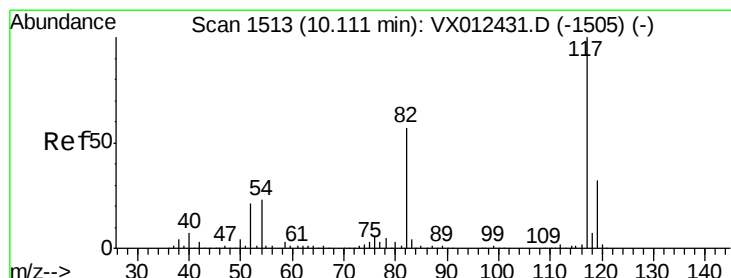
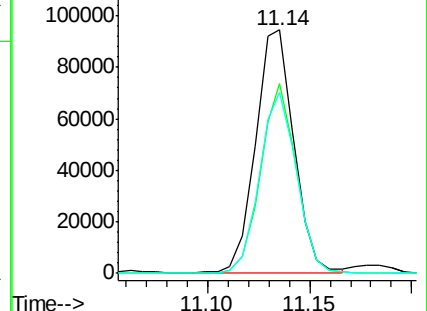
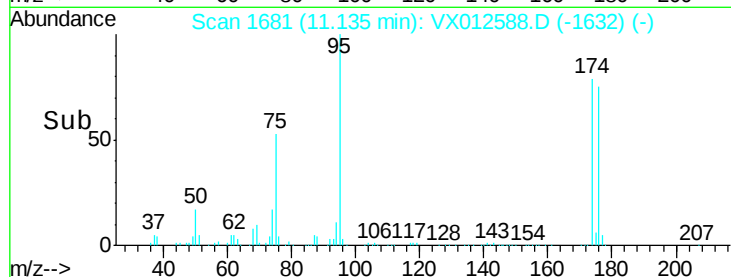
176 72.3 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012588.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012588.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012588.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

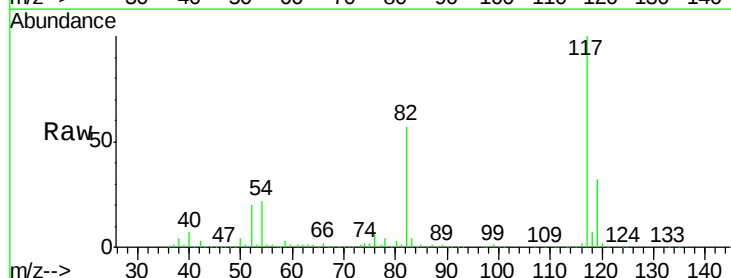
Tgt Ion: 117 Resp: 248379

Ion Ratio Lower Upper

117 100

82 57.1 45.9 68.9

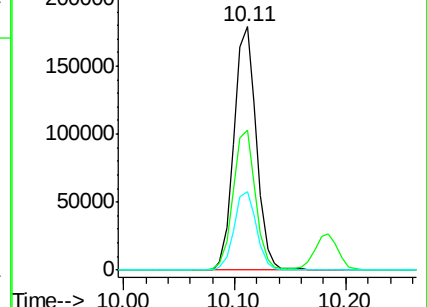
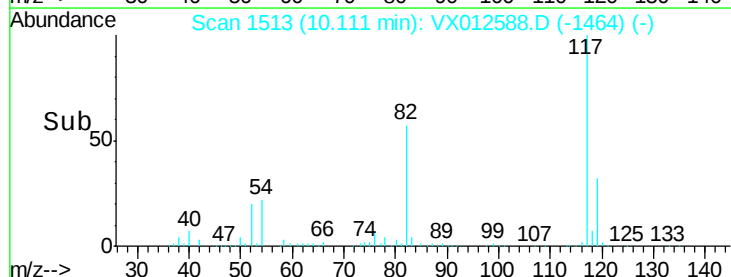
119 32.2 25.3 37.9

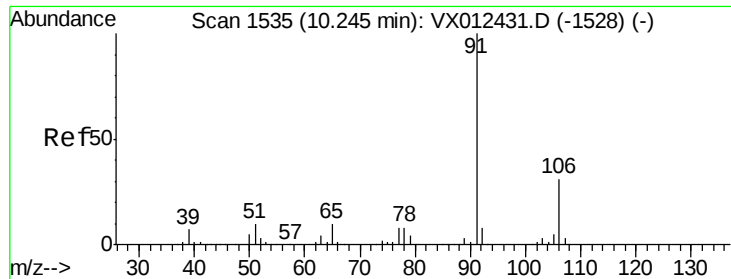


Abundance Ion 116.90 (116.60 to 117.60): VX012588.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012588.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012588.D (-1464) (-)

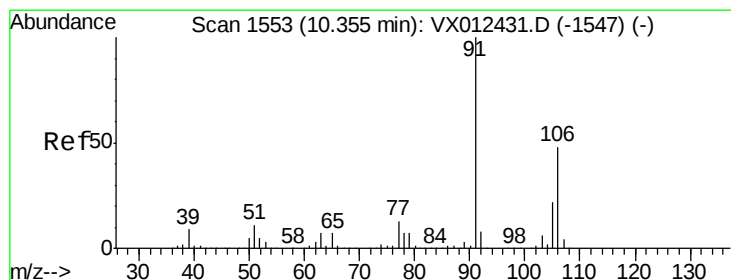
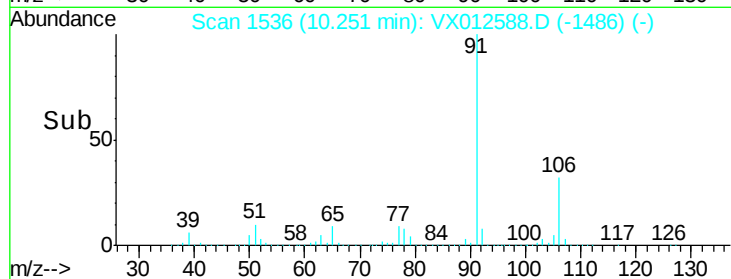
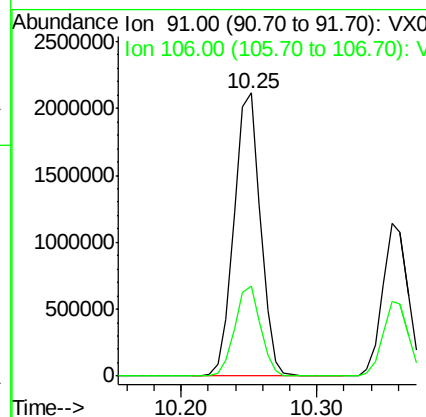
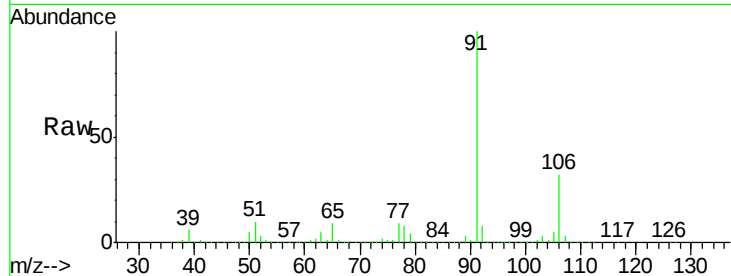




#67  
Ethyl Benzene  
Concen: 406.288 ug/l  
RT: 10.25 min Scan# 1536  
Delta R.T. 0.01 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

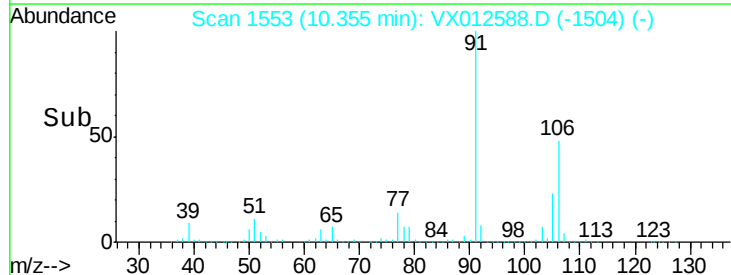
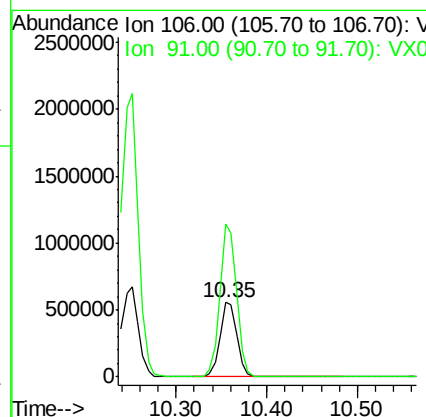
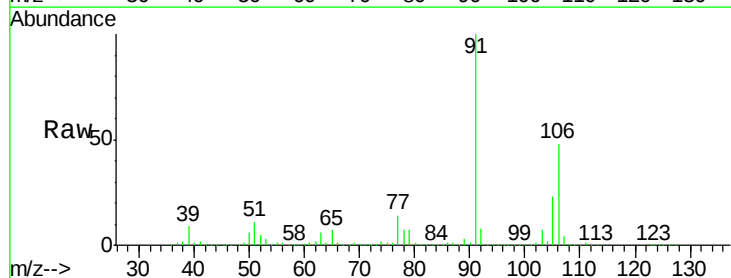
Instrument :  
MSVOA\_X  
ClientSampleId :  
Z2-0162

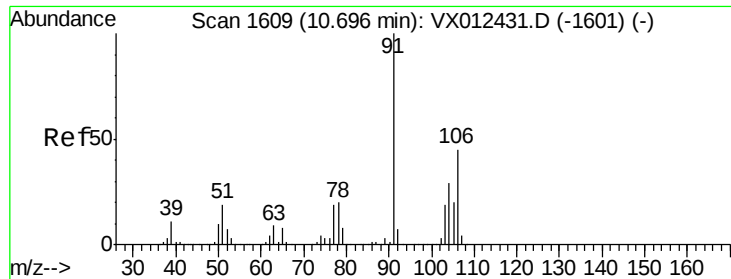
Tot Ion: 91 Resp: 2861551  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.6 37.0



#68  
m/p-Xylenes  
Concen: 282.023 ug/l  
RT: 10.35 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Tgt Ion: 106 Resp: 722727  
Ion Ratio Lower Upper  
106 100  
91 205.1 166.6 250.0

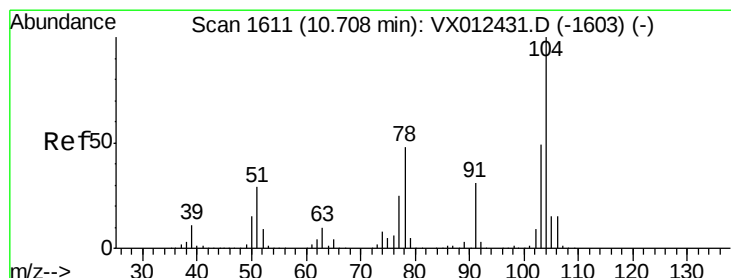
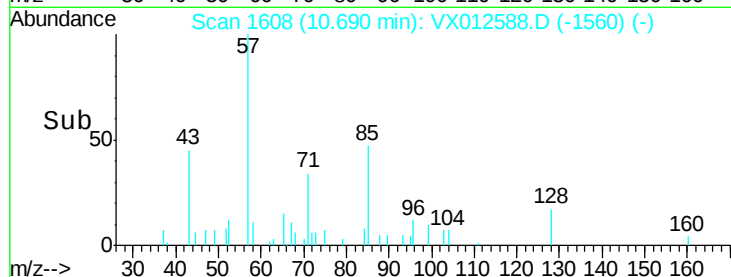
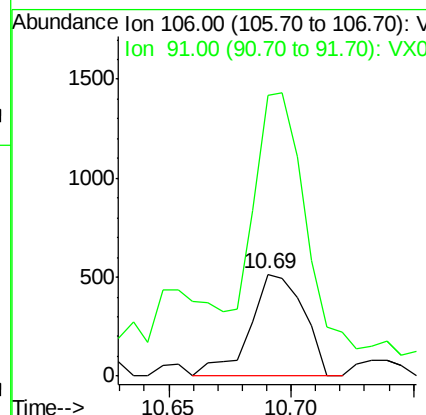
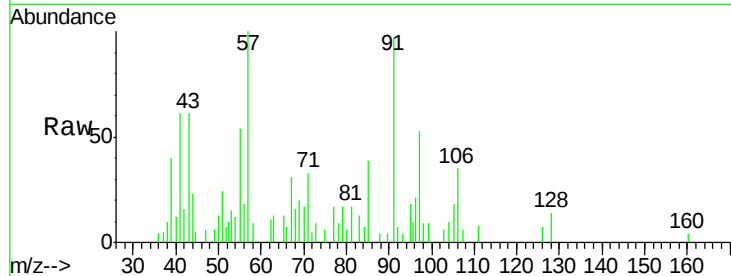




#69  
o-Xylene  
Concen: 0.299 ug/l  
RT: 10.69 min Scan# 1608  
Delta R.T. -0.01 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

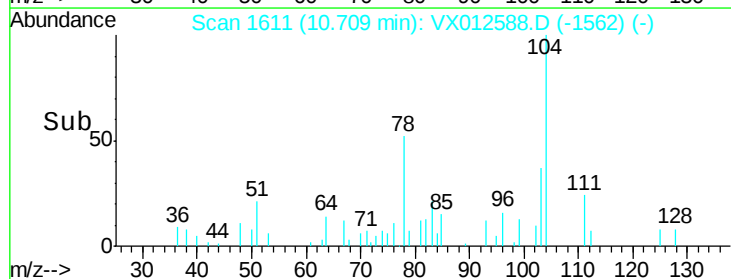
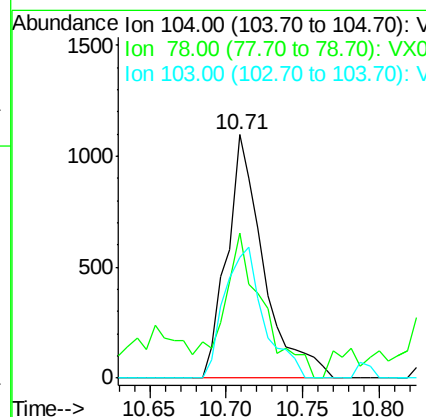
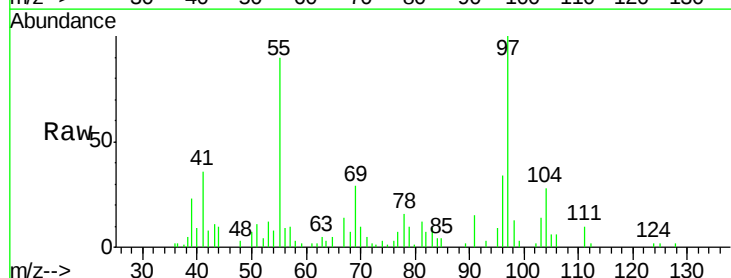
Instrument :  
MSVOA\_X  
ClientSampleId :  
Z2-0162

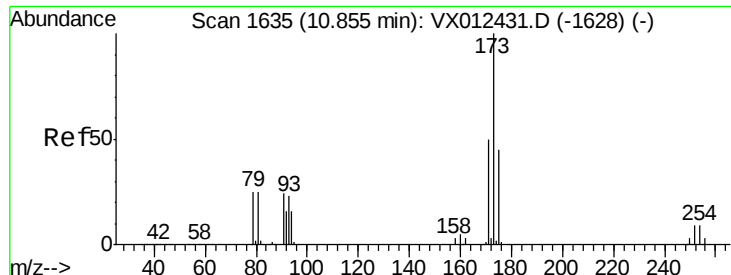
Tot Ion:106 Resp: 789  
Ion Ratio Lower Upper  
106 100  
91 254.8 109.4 328.2



#70  
Styrene  
Concen: 0.392 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Tgt Ion:104 Resp: 1826  
Ion Ratio Lower Upper  
104 100  
78 64.3 43.4 65.2  
103 0.0 43.3 64.9#





#71

Bromoform

Concen: 2.974 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

Z2-0162

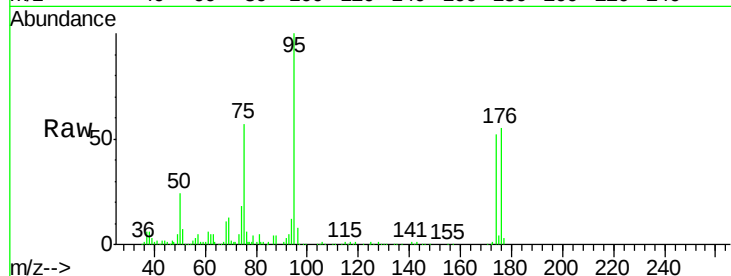
Tot Ion:173 Resp: 162

Ion Ratio Lower Upper

173 100

175 0.0 23.7 71.1#

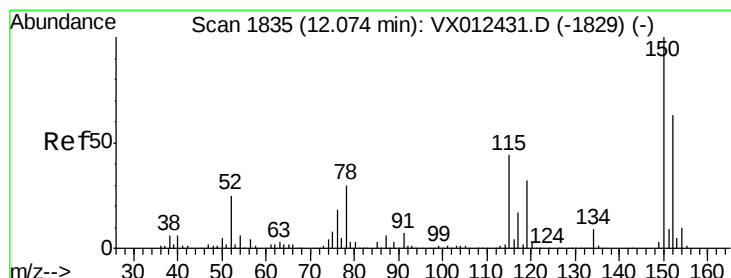
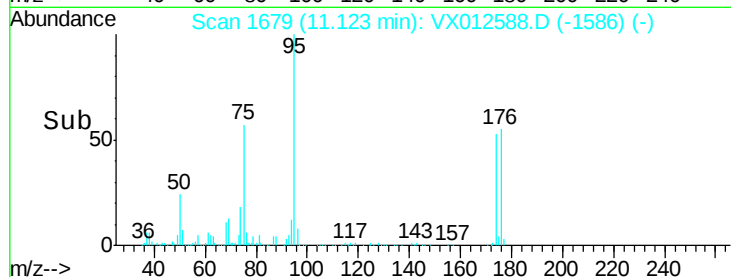
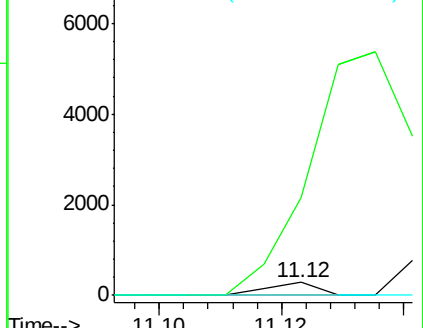
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

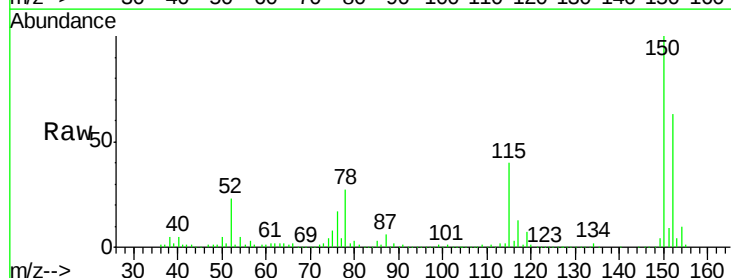
Tgt Ion:152 Resp: 111861

Ion Ratio Lower Upper

152 100

115 68.7 44.1 132.3

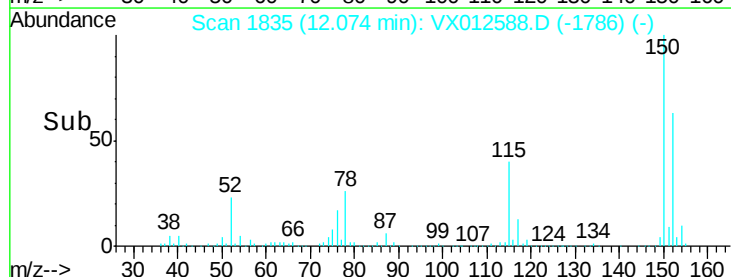
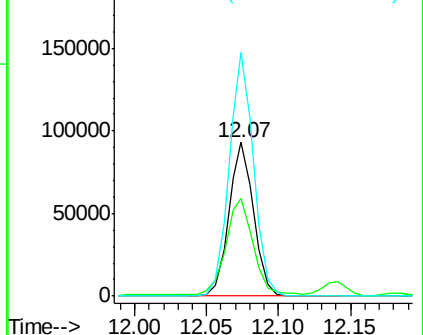
150 156.3 0.0 343.8

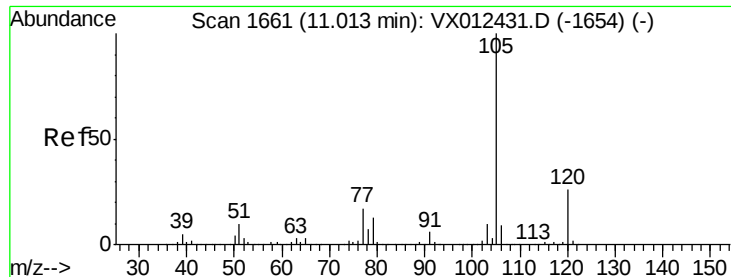


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 96.379 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

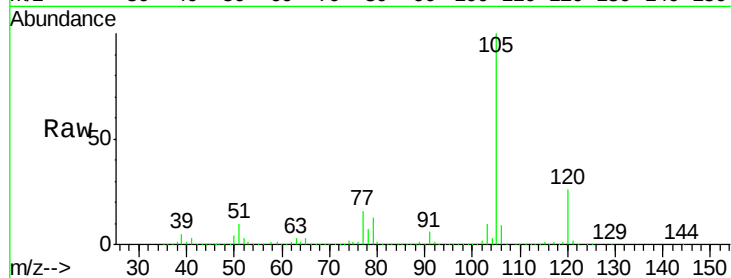
Z2-0162

Tot Ion:105 Resp: 676445

Ion Ratio Lower Upper

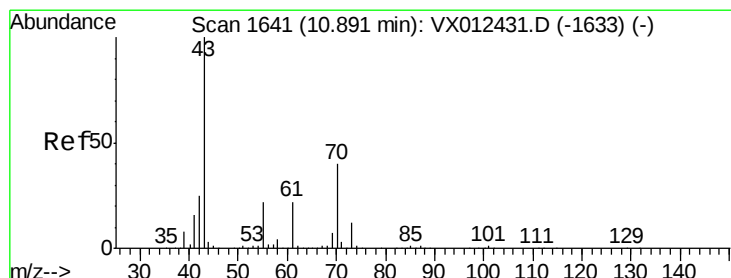
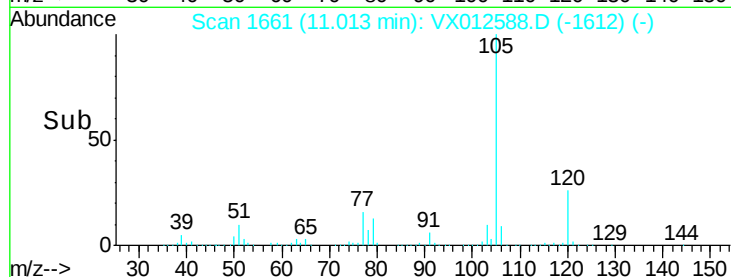
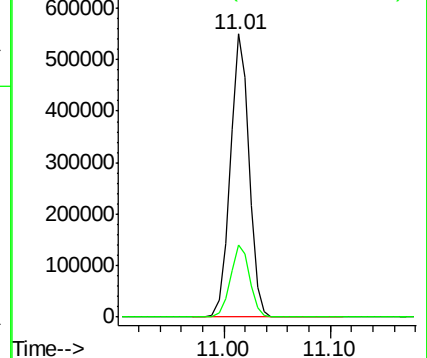
105 100

120 26.0 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: 0.294 ug/l

RT: 10.83 min Scan# 1631

Delta R.T. -0.06 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Tgt Ion: 43 Resp: 1112

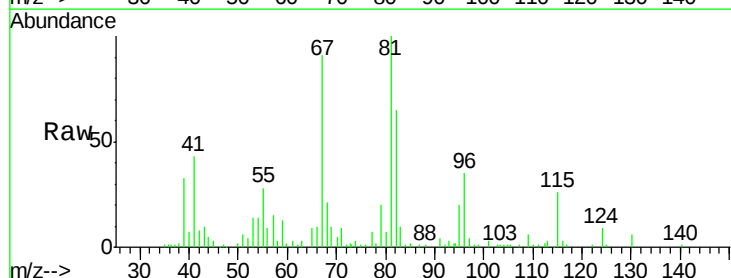
Ion Ratio Lower Upper

43 100

70 53.5 32.4 48.6#

55 0.0 18.2 27.4#

61 68.5 18.5 27.7#

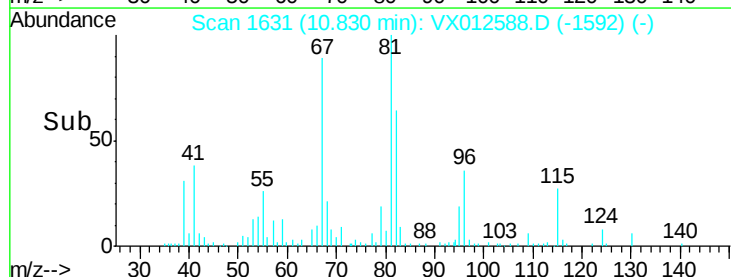
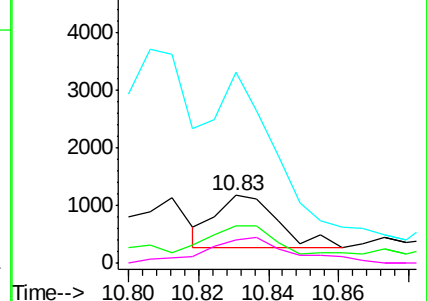


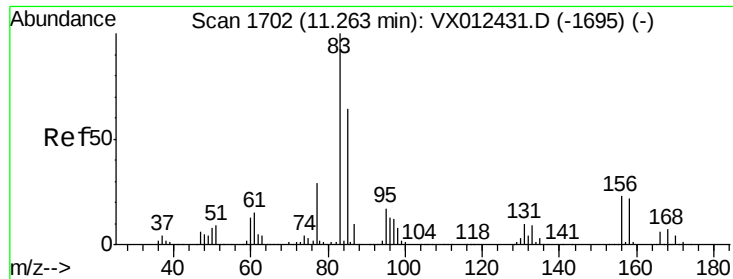
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.656 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

Z2-0162

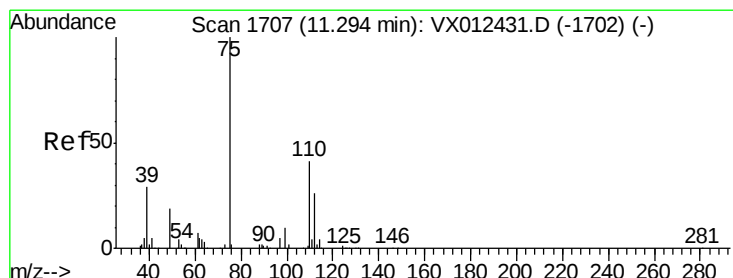
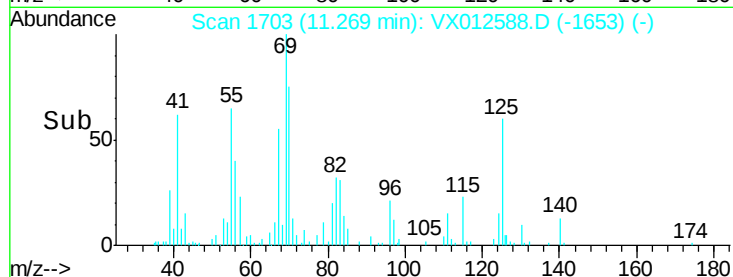
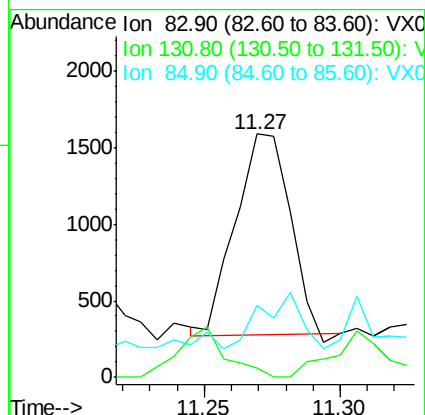
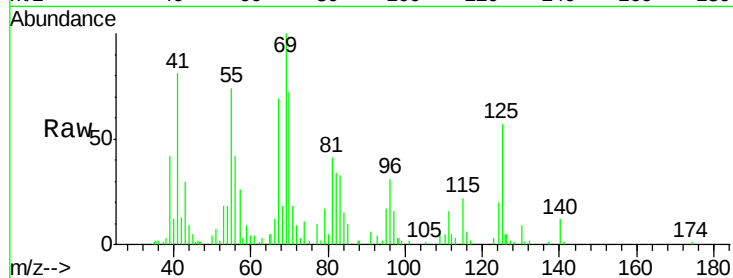
Tot Ion: 83 Resp: 1807

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 38.5 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 1.574 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.06 min

Lab File: VX012588.D

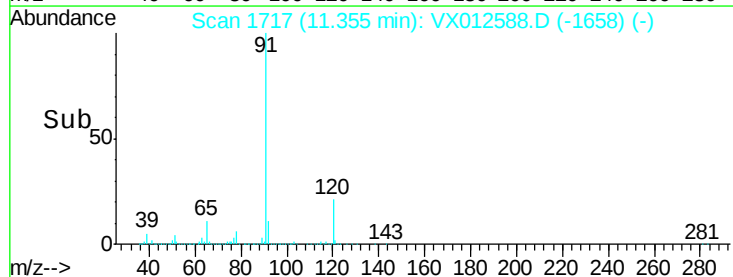
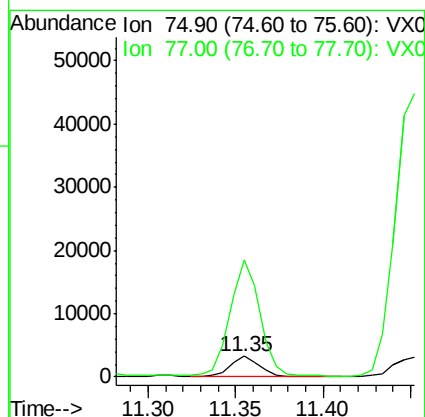
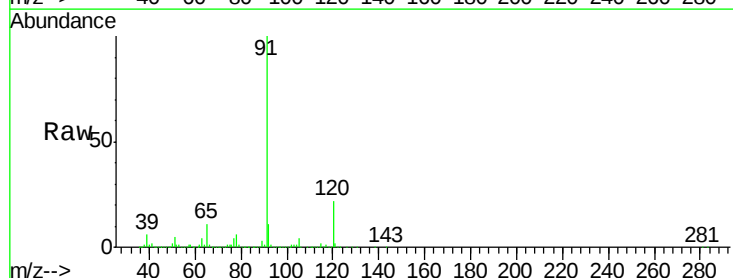
Acq: 21 Sep 2019 04:02

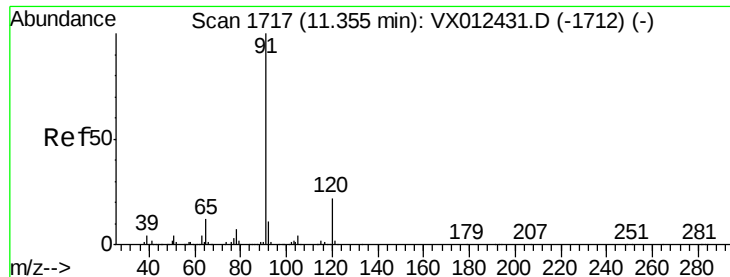
Tgt Ion: 75 Resp: 4044

Ion Ratio Lower Upper

75 100

77 544.8 19.7 59.0#





#78

n-propylbenzene

Concen: 69.529 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampled :

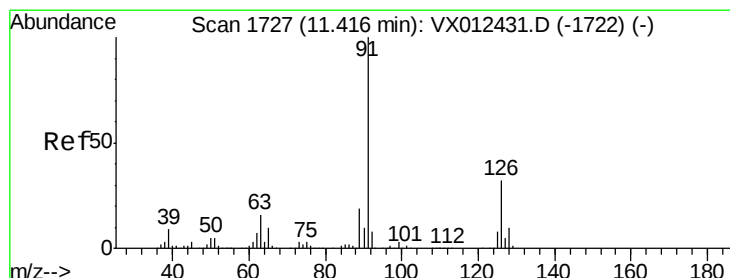
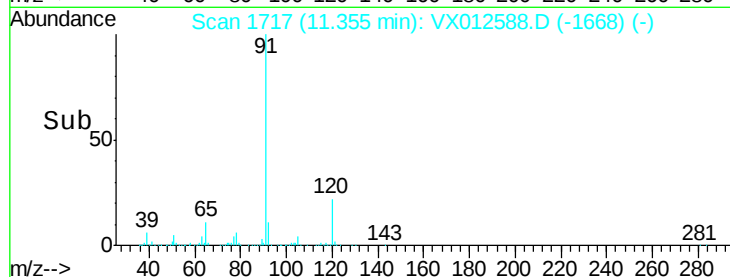
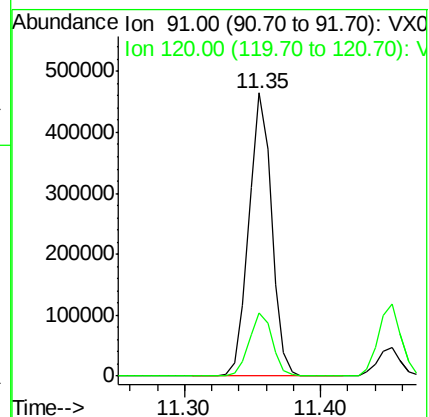
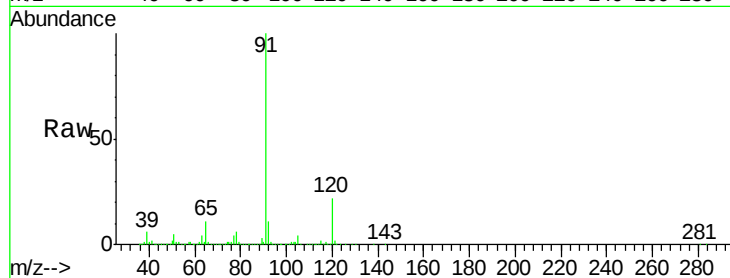
Z2-0162

Tot Ion: 91 Resp: 543894

Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.8



#79

2-Chlorotoluene

Concen: 10.731 ug/l

RT: 11.45 min Scan# 1733

Delta R.T. 0.04 min

Lab File: VX012588.D

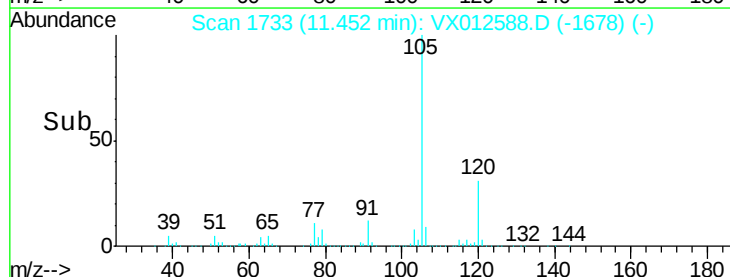
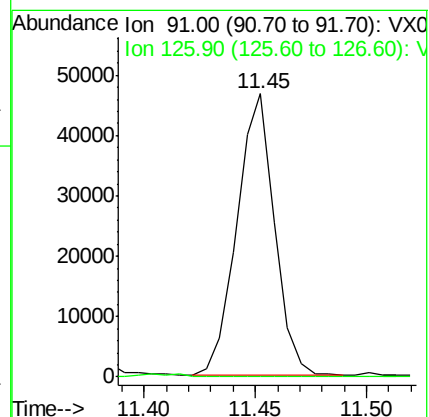
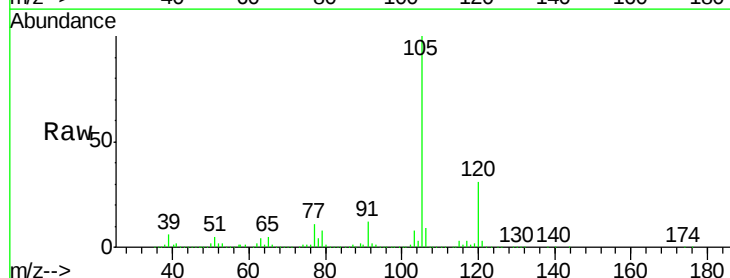
Acq: 21 Sep 2019 04:02

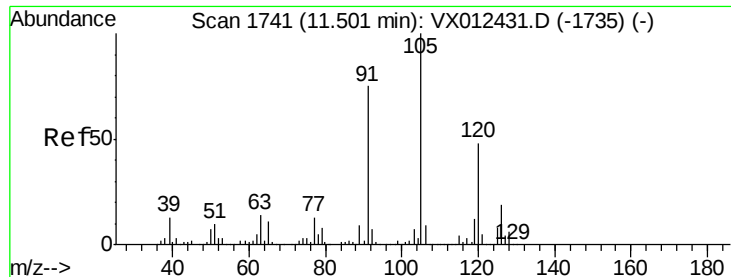
Tgt Ion: 91 Resp: 54610

Ion Ratio Lower Upper

91 100

126 0.2 16.4 49.4#

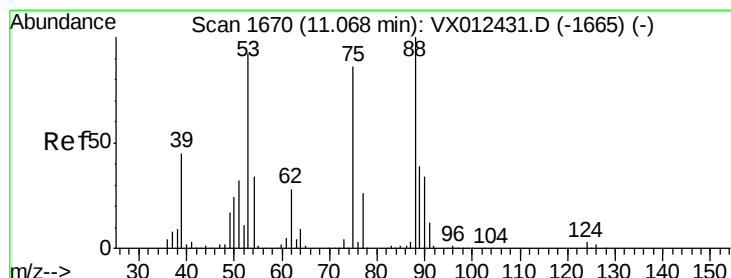
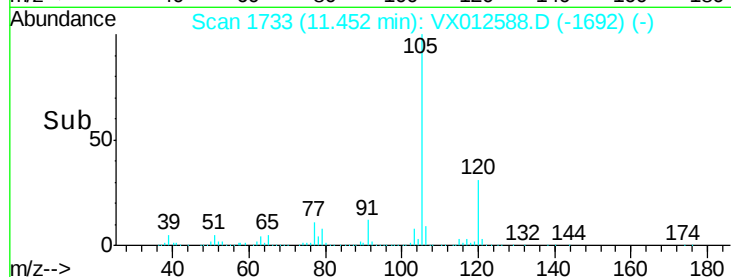
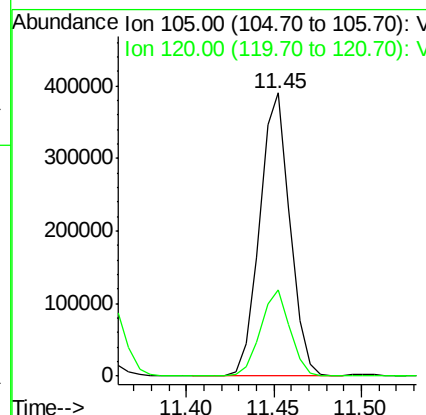
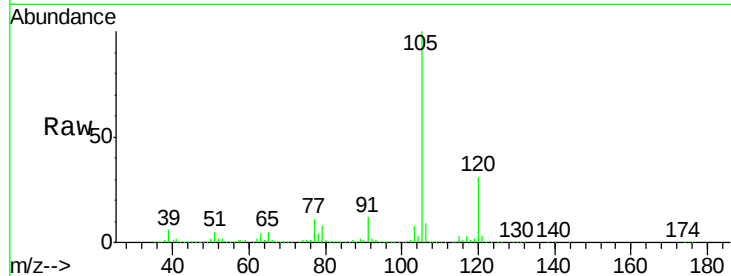




#80  
 1,3,5-Trimethylbenzene  
 Concen: 78.366 ug/l  
 RT: 11.45 min Scan# 1733  
 Delta R.T. -0.05 min  
 Lab File: VX012588.D  
 Acq: 21 Sep 2019 04:02

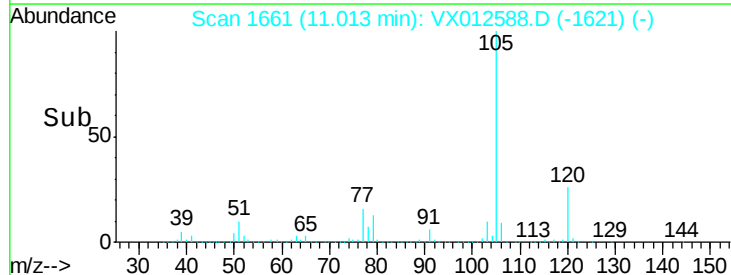
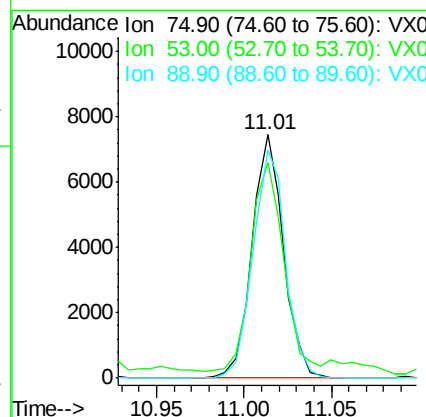
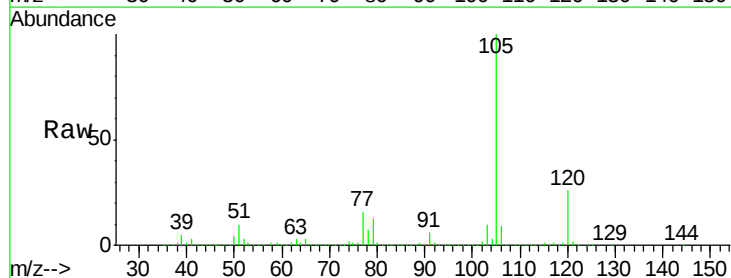
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z2-0162

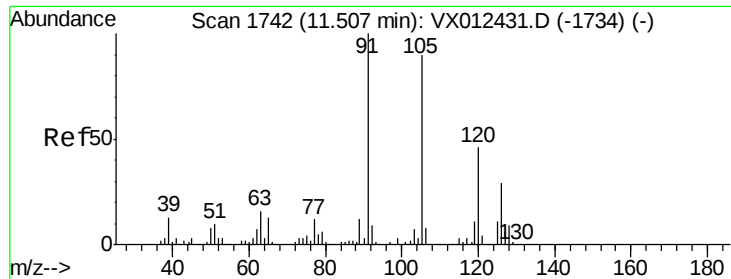
Tot Ion:105 Resp: 469078  
 Ion Ratio Lower Upper  
 105 100  
 120 29.5 24.3 72.8



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 12.391 ug/l  
 RT: 11.01 min Scan# 1661  
 Delta R.T. -0.05 min  
 Lab File: VX012588.D  
 Acq: 21 Sep 2019 04:02

Tgt Ion: 75 Resp: 9274  
 Ion Ratio Lower Upper  
 75 100  
 53 88.0 83.6 125.4  
 89 96.8 36.3 54.5#

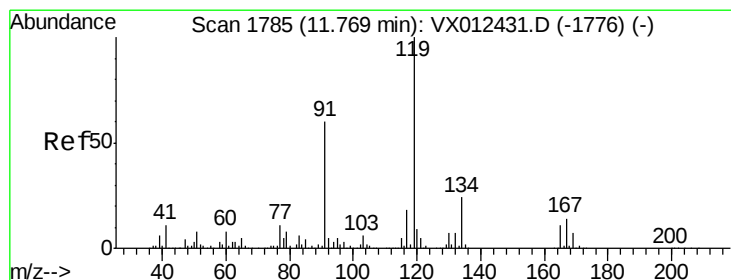
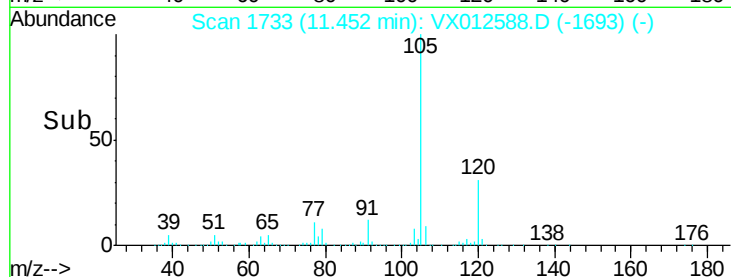
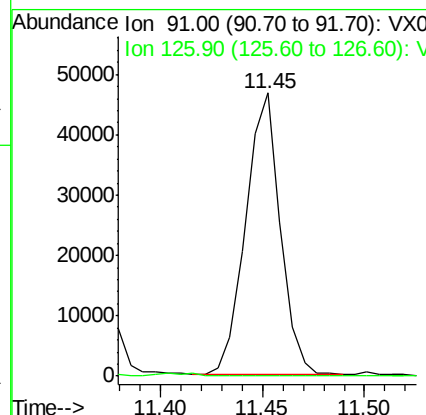
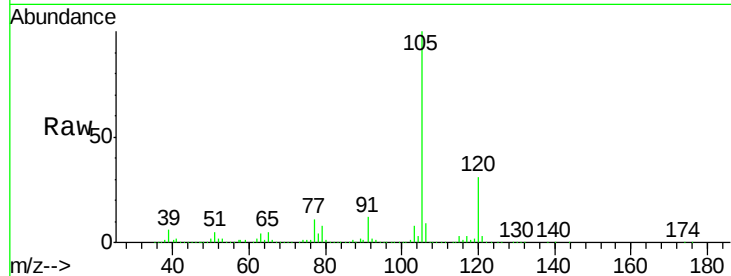




#82  
4-Chlorotoluene  
Concen: 9.358 ug/l  
RT: 11.45 min Scan# 1733  
Delta R.T. -0.05 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

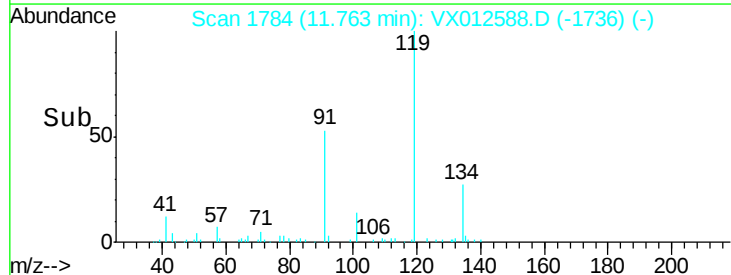
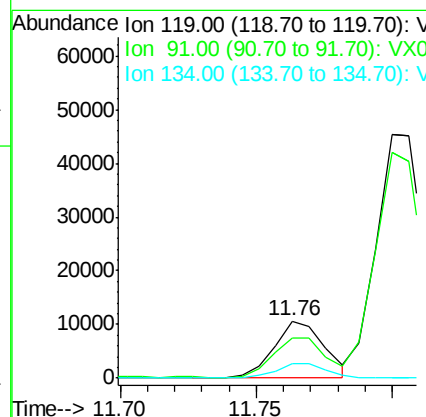
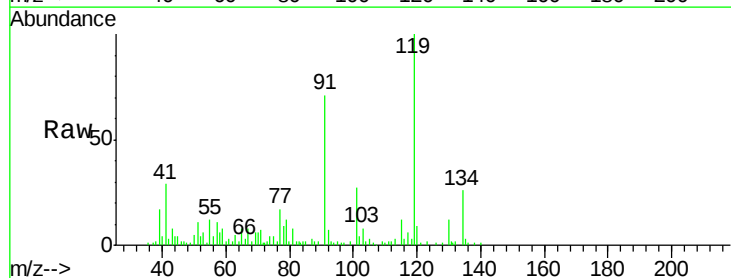
Instrument :  
MSVOA\_X  
ClientSampled :  
Z2-0162

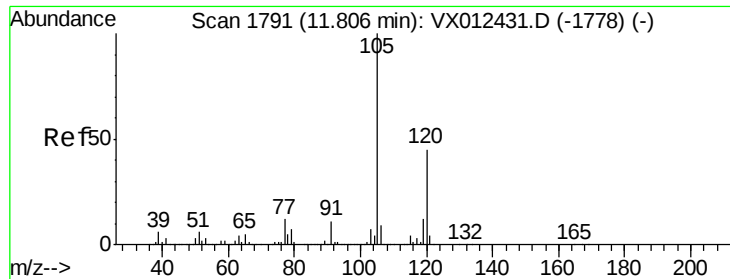
Tot Ion: 91 Resp: 54654  
Ion Ratio Lower Upper  
91 100  
126 0.2 14.4 43.0#



#83  
tert-Butylbenzene  
Concen: 2.123 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. -0.01 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Tgt Ion: 119 Resp: 13620  
Ion Ratio Lower Upper  
119 100  
91 72.8 30.0 90.0  
134 25.5 11.3 33.9

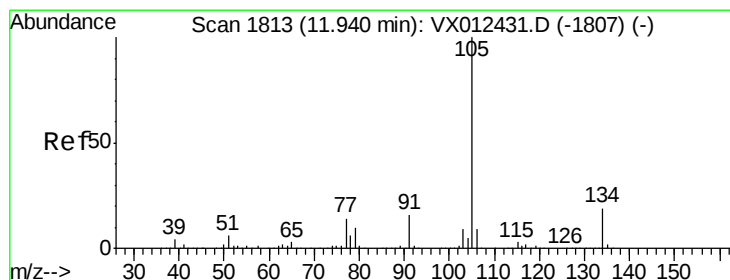
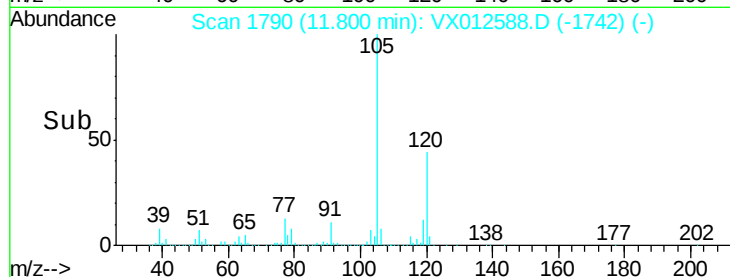
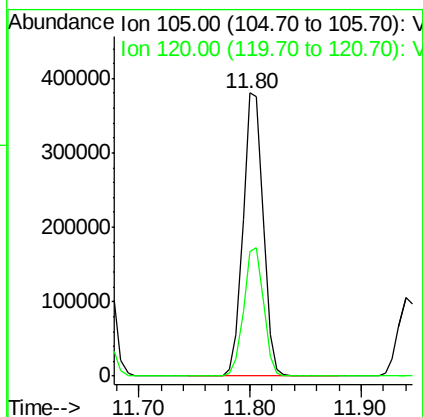
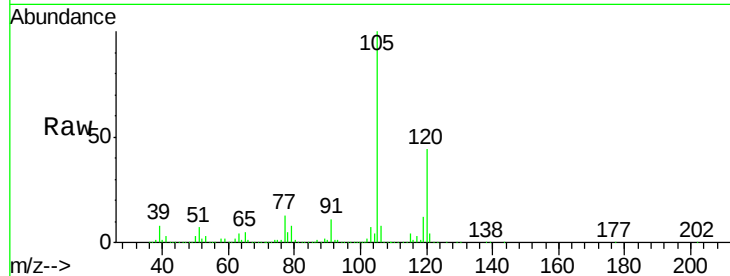




#84  
 1,2,4-Trimethylbenzene  
 Concen: 77.403 ug/l  
 RT: 11.80 min Scan# 1790  
 Delta R.T. -0.01 min  
 Lab File: VX012588.D  
 Acq: 21 Sep 2019 04:02

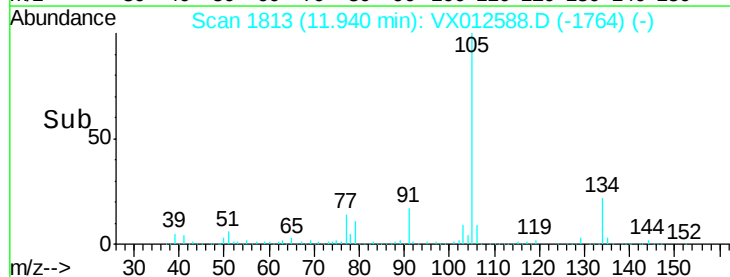
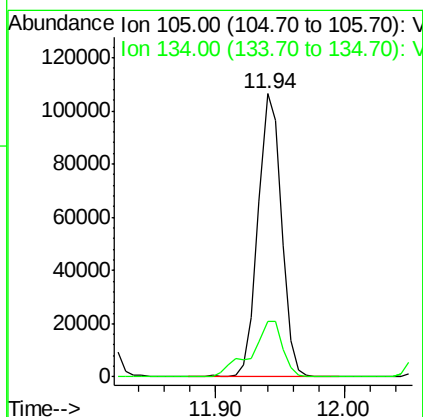
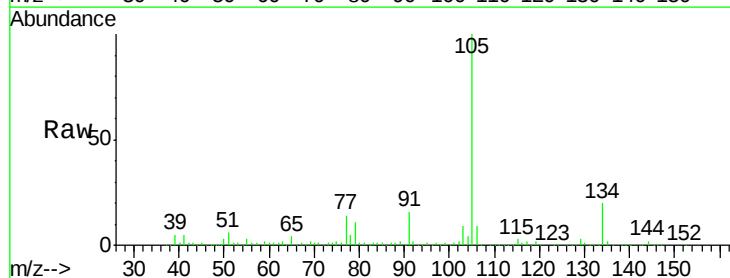
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z2-0162

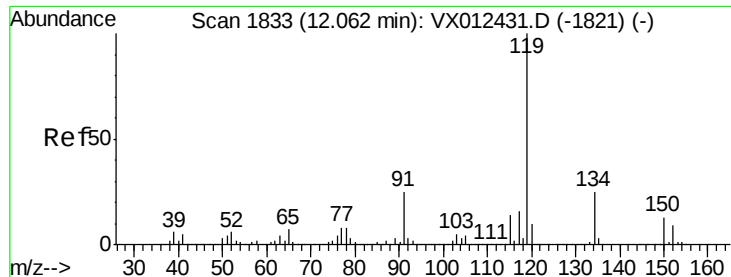
Tot Ion:105 Resp: 475721  
 Ion Ratio Lower Upper  
 105 100  
 120 45.0 22.2 66.6



#85  
 sec-Butylbenzene  
 Concen: 18.794 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: VX012588.D  
 Acq: 21 Sep 2019 04:02

Tgt Ion:105 Resp: 132832  
 Ion Ratio Lower Upper  
 105 100  
 134 26.6 9.8 29.4

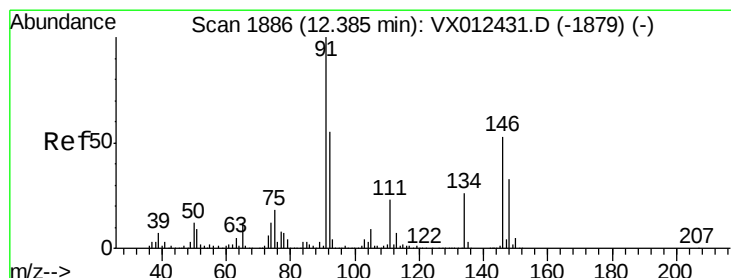
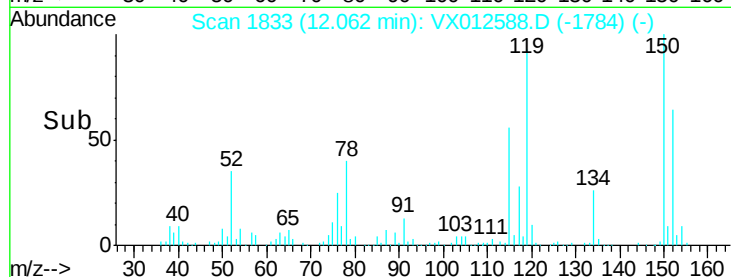
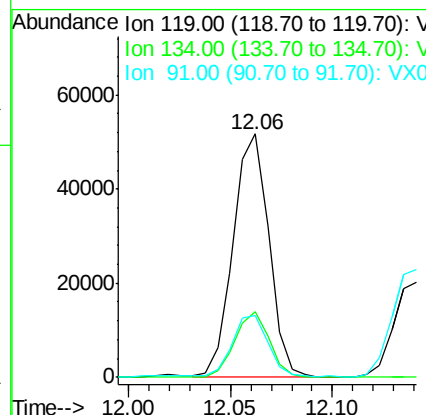
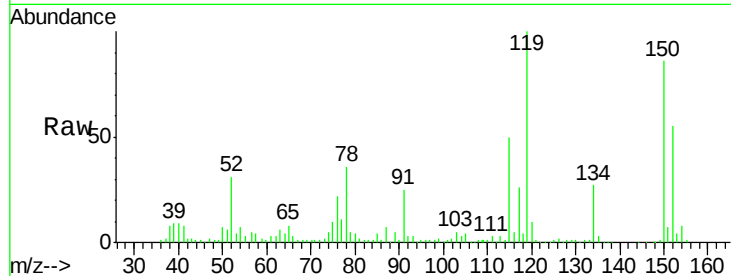




#86  
p-Isopropyltoluene  
Concen: 9.684 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. 0.00 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

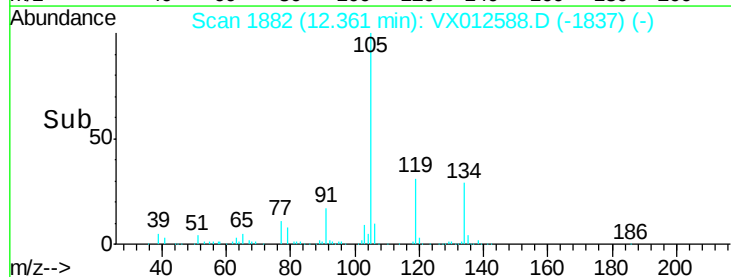
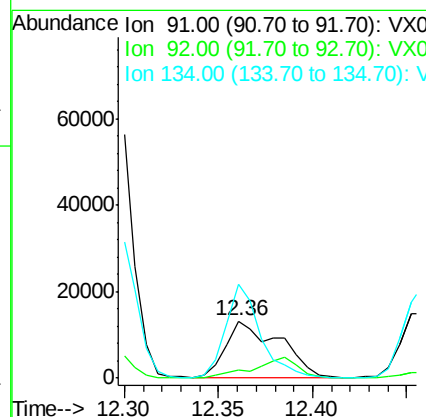
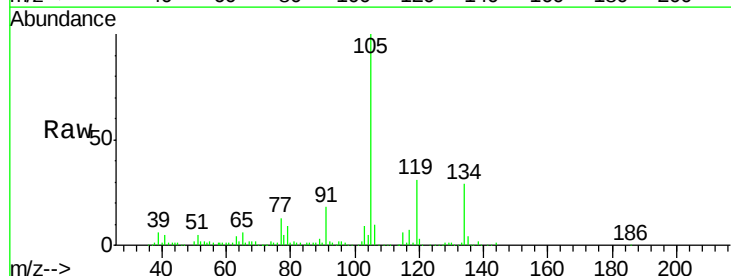
Instrument :  
MSVOA\_X  
ClientSampleId :  
Z2-0162

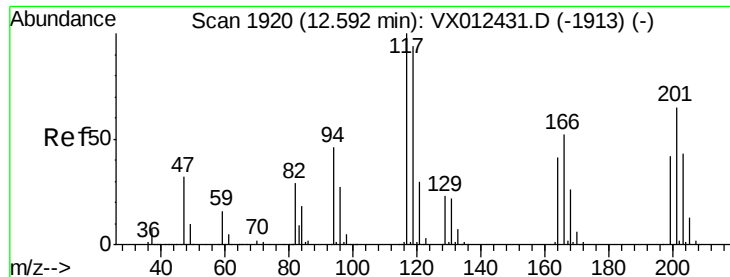
Tot Ion:119 Resp: 62847  
Ion Ratio Lower Upper  
119 100  
134 26.1 12.7 38.1  
91 25.3 12.8 38.4



#89  
n-Butylbenzene  
Concen: 4.419 ug/l  
RT: 12.36 min Scan# 1882  
Delta R.T. -0.02 min  
Lab File: VX012588.D  
Acq: 21 Sep 2019 04:02

Tgt Ion: 91 Resp: 25588  
Ion Ratio Lower Upper  
91 100  
92 0.0 27.7 83.0#  
134 108.3 12.9 38.6#





#90

Hexachloroethane

Concen: 9.655 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampled :

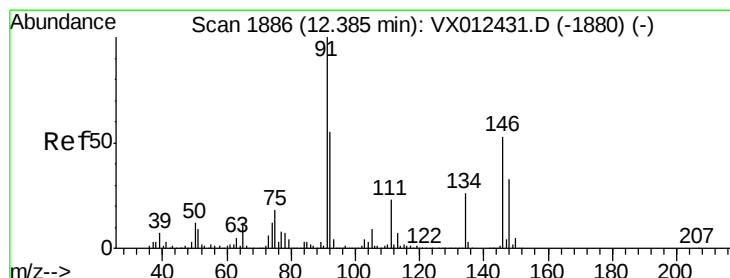
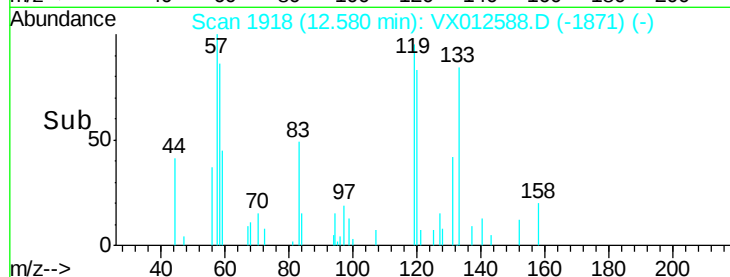
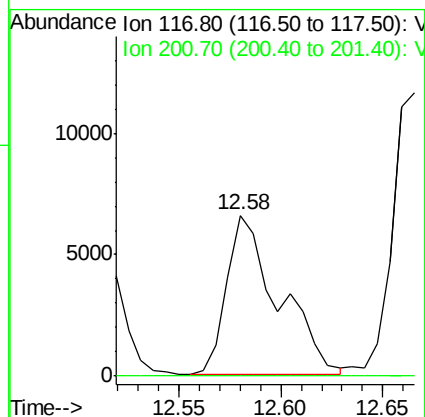
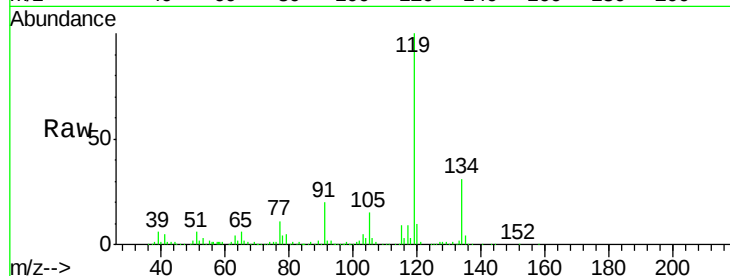
Z2-0162

Tot Ion:117 Resp: 11489

Ion Ratio Lower Upper

117 100

201 0.0 33.3 99.8#



#91

1,2-Dichlorobenzene

Concen: 0.349 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

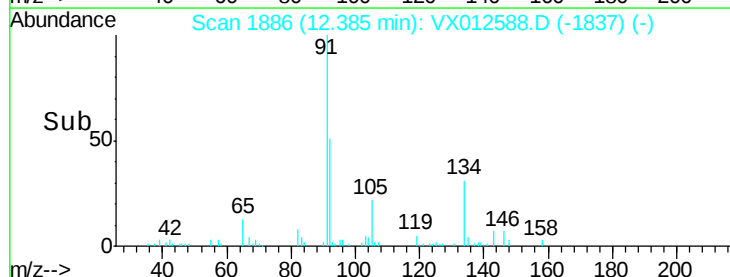
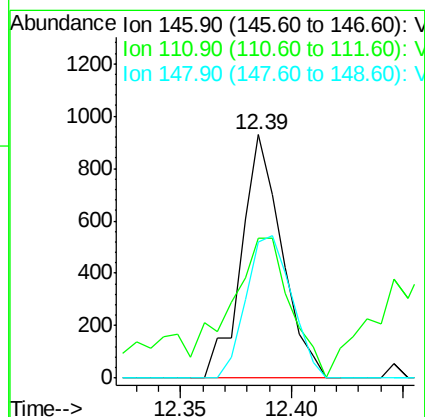
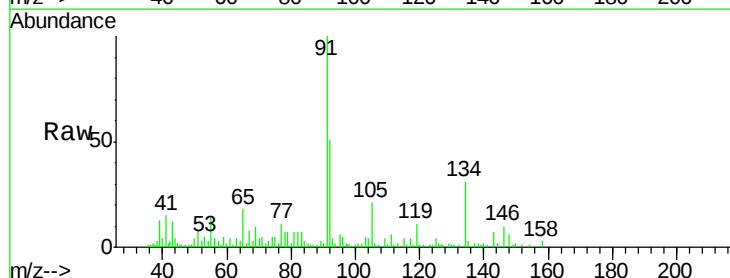
Tgt Ion:146 Resp: 1176

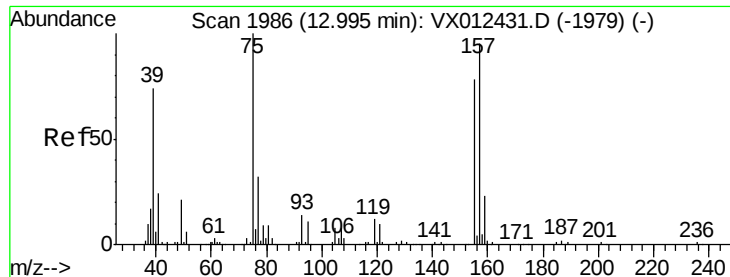
Ion Ratio Lower Upper

146 100

111 85.9 22.1 66.1#

148 65.9 31.3 93.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.360 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA\_X

ClientSampleId :

Z2-0162

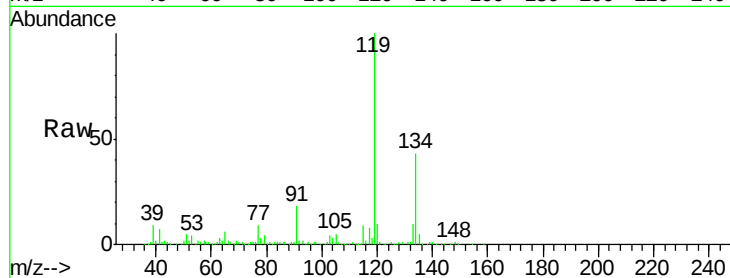
Tot Ion: 75 Resp: 971

Ion Ratio Lower Upper

75 100

155 3.2 38.6 115.8#

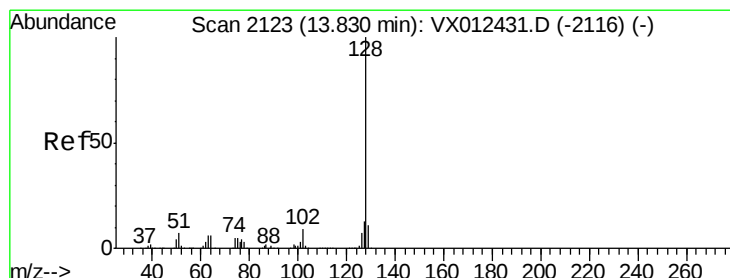
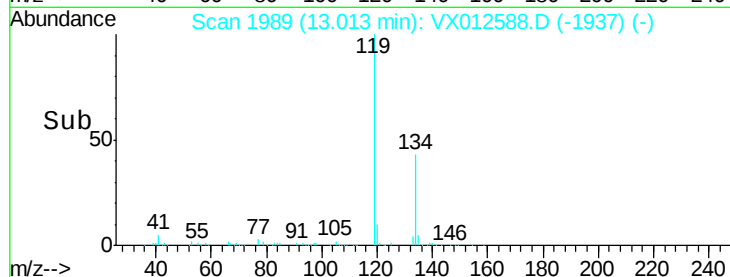
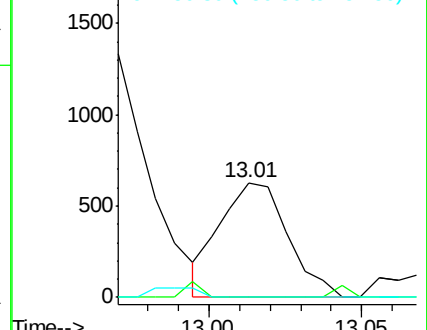
157 0.0 50.6 151.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 74.522 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

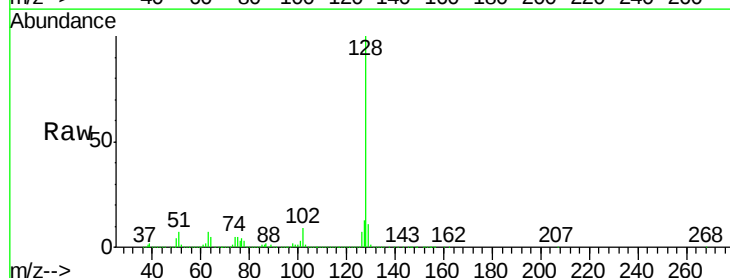
Tgt Ion:128 Resp: 574794

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.2 8.8 13.2



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

