

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\  
 Data File : VX019526.D  
 Acq On : 21 Nov 2020 04:44  
 Operator : JC/MD  
 Sample : L4778-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1814

Quant Time: Nov 21 07:45:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112120W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 21 01:57:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 331533   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 524273   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 471364   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 226526   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65    | 190609   | 44.34    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 61 - 141 | Recovery | =    | 88.68%  |
| 35) Dibromofluoromethane  | 5.46   | 113   | 159649   | 48.51    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 69 - 133 | Recovery | =    | 97.02%  |
| 50) Toluene-d8            | 8.70   | 98    | 626911   | 49.02    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 65 - 126 | Recovery | =    | 98.04%  |
| 62) 4-Bromofluorobenzene  | 11.12  | 95    | 233715   | 50.80    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 58 - 135 | Recovery | =    | 101.60% |

## Target Compounds

|                          |       |     |        |         | Qvalue |      |
|--------------------------|-------|-----|--------|---------|--------|------|
| 3) Chloromethane         | 1.29  | 50  | 19891  | 5.377   | ug/l   | # 43 |
| 5) Bromomethane          | 1.62  | 94  | 346    | 0.229   | ug/l   | # 39 |
| 6) Chloroethane          | 1.70  | 64  | 100302 | 108.320 | ug/l   | # 48 |
| 11) Tert butyl alcohol   | 3.04  | 59  | 9015   | 11.082  | ug/l   | # 91 |
| 13) Acrolein             | 2.27  | 56  | 854    | 1.562   | ug/l   | # 83 |
| 14) Allyl chloride       | 2.70  | 41  | 1426   | 0.277   | ug/l   | # 1  |
| 16) Acetone              | 2.43  | 43  | 242584 | 145.929 | ug/l   | 97   |
| 17) Carbon Disulfide     | 2.54  | 76  | 97952  | 11.077  | ug/l   | 98   |
| 18) Methyl Acetate       | 2.75  | 43  | 30834  | 8.103   | ug/l   | 100  |
| 20) Methylene Chloride   | 2.83  | 84  | 5714   | 1.375   | ug/l   | 98   |
| 22) Diisopropyl ether    | 3.98  | 45  | 143216 | 13.426  | ug/l   | # 1  |
| 23) Vinyl Acetate        | 3.98  | 43  | 340334 | 38.038  | ug/l   | # 68 |
| 25) 2-Butanone           | 4.64  | 43  | 65690  | 26.306  | ug/l   | 98   |
| 29) Tetrahydrofuran      | 5.12  | 42  | 5146   | 3.230   | ug/l   | # 60 |
| 30) Chloroform           | 5.18  | 83  | 2398   | 0.351   | ug/l   | 93   |
| 36) 1,1-Dichloropropene  | 5.62  | 75  | 24389  | 4.962   | ug/l   | # 50 |
| 37) Ethyl Acetate        | 4.79  | 43  | 21161  | 4.586   | ug/l   | 96   |
| 38) Carbon Tetrachloride | 5.62  | 117 | 31729  | 6.669   | ug/l   | # 16 |
| 39) Methylcyclohexane    | 7.44  | 83  | 1777   | 0.311   | ug/l   | # 1  |
| 40) Benzene              | 6.11  | 78  | 10501  | 0.695   | ug/l   | 94   |
| 41) Methacrylonitrile    | 5.12  | 41  | 19709  | 7.746   | ug/l   | # 38 |
| 43) Isopropyl Acetate    | 6.42  | 43  | 1713   | 0.221   | ug/l   | # 57 |
| 48) Methyl methacrylate  | 7.64  | 41  | 25353  | 6.979   | ug/l   | # 22 |
| 49) 1,4-Dioxane          | 7.73  | 88  | 593    | 7.190   | ug/l   | # 25 |
| 51) 4-Methyl-2-Pentanone | 8.62  | 43  | 103727 | 22.933  | ug/l   | 99   |
| 52) Toluene              | 8.76  | 92  | 46676  | 5.052   | ug/l   | 98   |
| 56) Ethyl methacrylate   | 9.08  | 69  | 73935  | 13.887  | ug/l   | # 80 |
| 59) 2-Hexanone           | 9.48  | 43  | 163183 | 47.570  | ug/l   | 98   |
| 67) Ethyl Benzene        | 10.23 | 91  | 74644  | 4.397   | ug/l   | 98   |
| 68) m/p-Xylenes          | 10.34 | 106 | 128340 | 20.290  | ug/l   | 99   |
| 69) o-Xylene             | 10.68 | 106 | 85442  | 14.131  | ug/l   | 100  |
| 70) Styrene              | 10.68 | 104 | 4890   | 2.068   | ug/l   | # 1  |
| 71) Bromoform            | 10.83 | 173 | 91     | 3.631   | ug/l   | # 28 |
| 73) Isopropylbenzene     | 11.00 | 105 | 20253  | 1.292   | ug/l   | 100  |

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Quant Time: Nov 21 07:45:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112120W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 21 01:57:45 2020  
 Response via : Initial Calibration

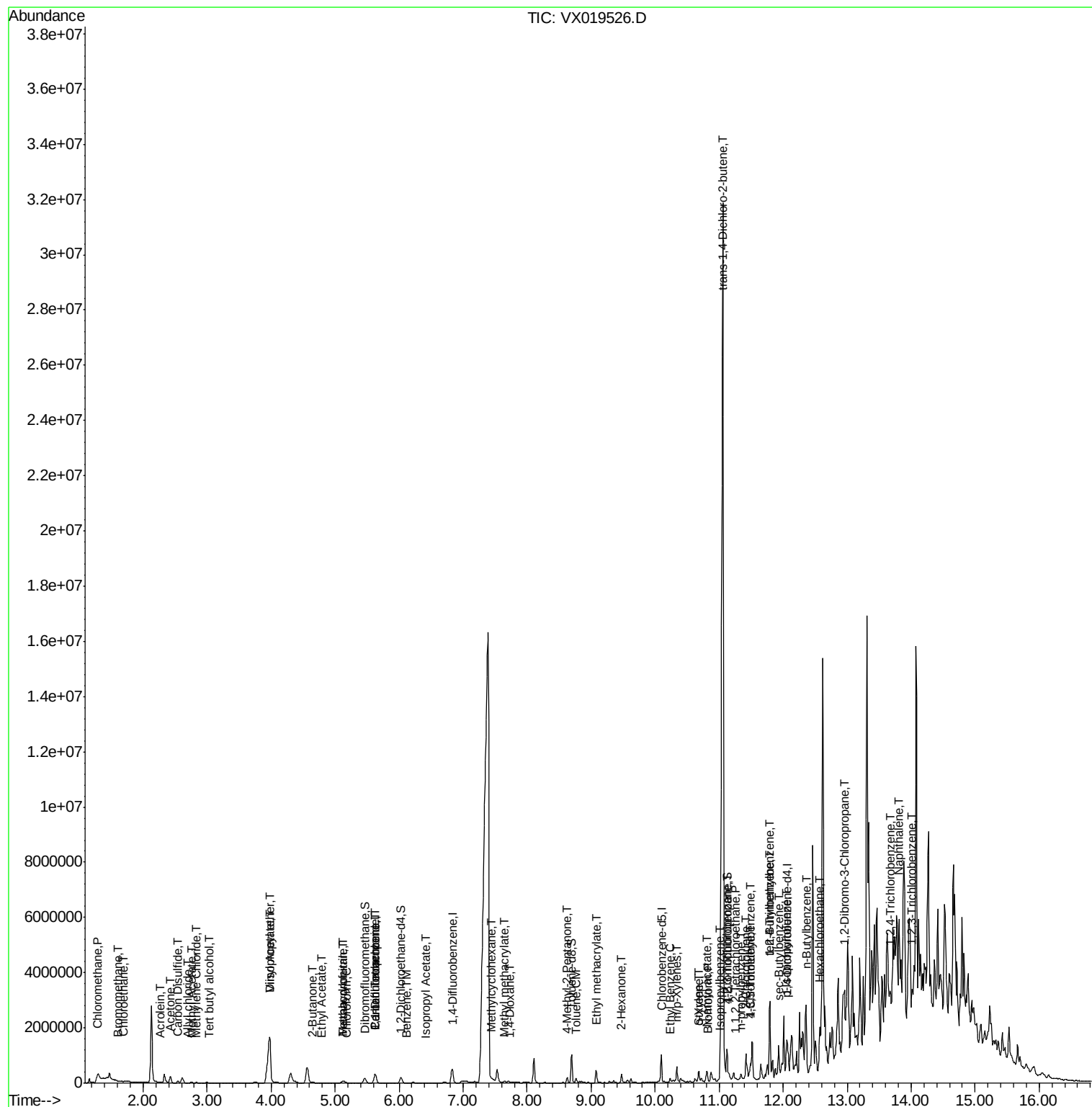
| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| -----                          |       |      |          |          |        |          |
| 74) N-amyl acetate             | 10.81 | 43   | 152554   | 25.980   | ug/l # | 40       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 3365     | 0.600    | ug/l # | 27       |
| 76) 1,2,3-Trichloropropane     | 11.12 | 75   | 127919   | 25.876   | ug/l # | 35       |
| 78) n-propylbenzene            | 11.34 | 91   | 117694   | 6.547    | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 75734    | 6.946    | ug/l # | 43       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 241258   | 18.353   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 2482479  | 1245.711 | ug/l # | 22       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 25761    | 2.007    | ug/l # | 46       |
| 83) tert-Butylbenzene          | 11.79 | 119  | 129047   | 10.147   | ug/l # | 56       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 1116804  | 83.964   | ug/l   | 97       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 56801    | 3.754    | ug/l   | 83       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 365254   | 26.589   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.37 | 91   | 292748   | 23.573   | ug/l # | 28       |
| 90) Hexachloroethane           | 12.57 | 117  | 54522    | 23.719   | ug/l # | 10       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.96 | 75   | 6123     | 5.356    | ug/l # | 3        |
| 93) 1,2,4-Trichlorobenzene     | 13.68 | 180  | 5022     | 1.060    | ug/l # | 1        |
| 95) Naphthalene                | 13.82 | 128  | 1442938  | 84.775   | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 38996    | 8.229    | ug/l # | 1        |
| -----                          |       |      |          |          |        |          |

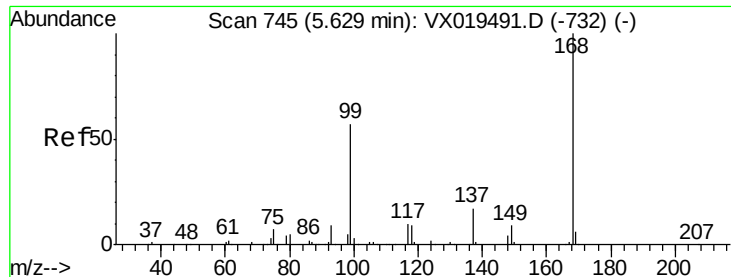
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampleId :

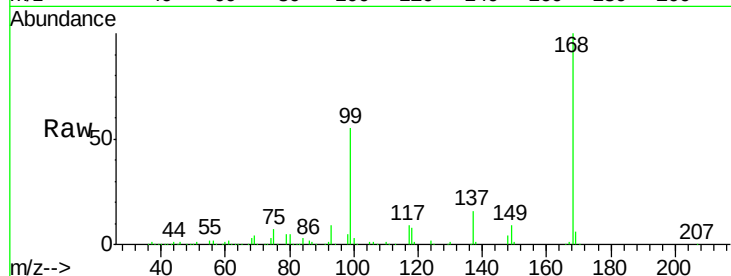
1814

Tot Ion:168 Resp: 331533

Ion Ratio Lower Upper

168 100

99 55.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

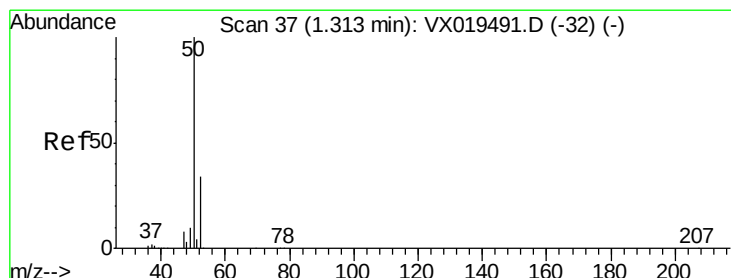
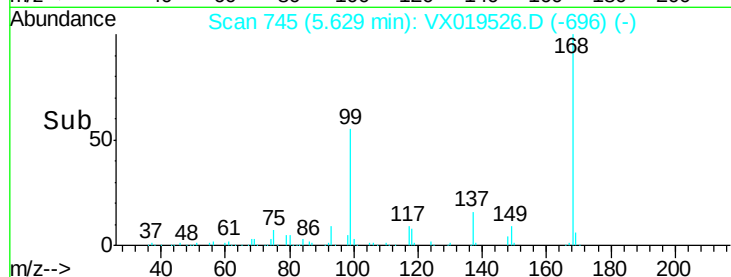
5.63

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.377 ug/l

RT: 1.29 min Scan# 34

Delta R.T. -0.02 min

Lab File: VX019526.D

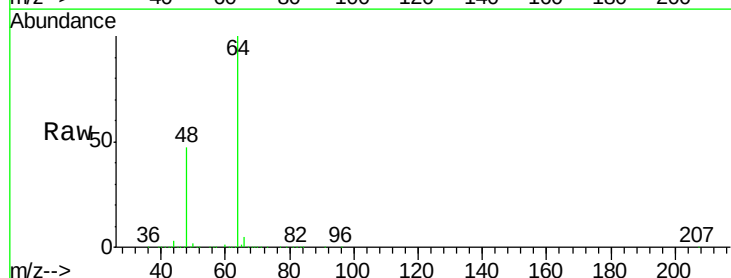
Acq: 21 Nov 2020 04:44

Tgt Ion: 50 Resp: 19891

Ion Ratio Lower Upper

50 100

52 1.3 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.29

6000

5000

4000

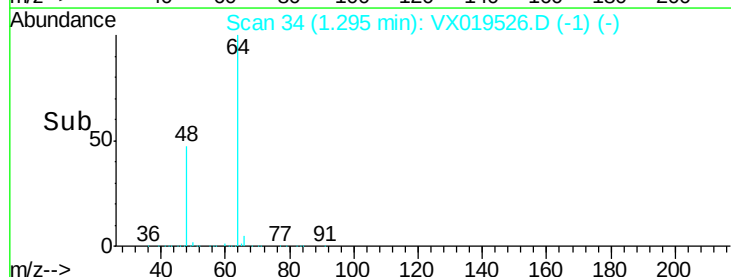
3000

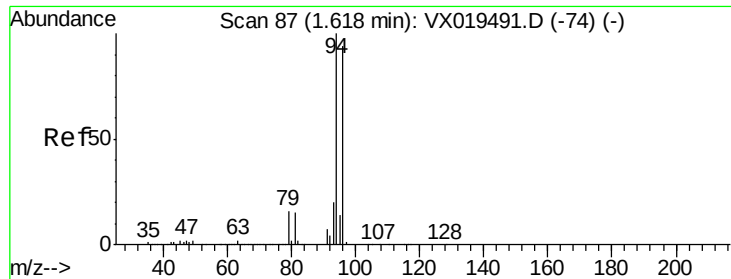
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.229 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampled :

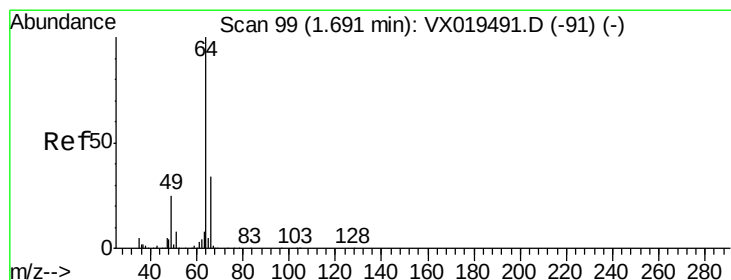
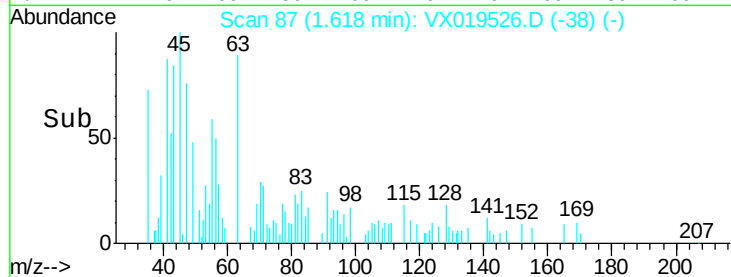
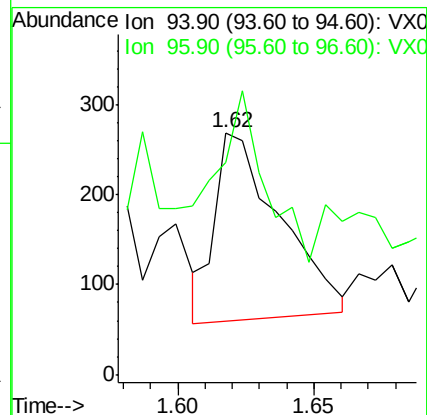
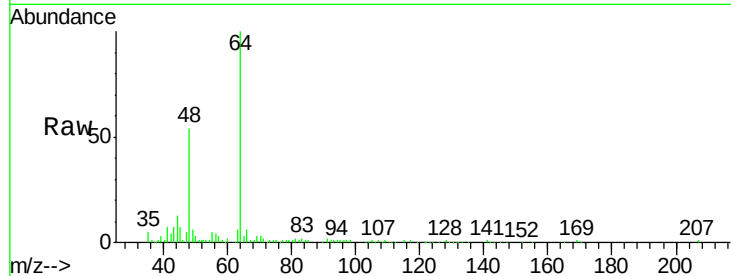
1814

Tot Ion: 94 Resp: 346

Ion Ratio Lower Upper

94 100

96 35.5 75.6 113.4#



#6

Chloroethane

Concen: 108.320 ug/l

RT: 1.70 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX019526.D

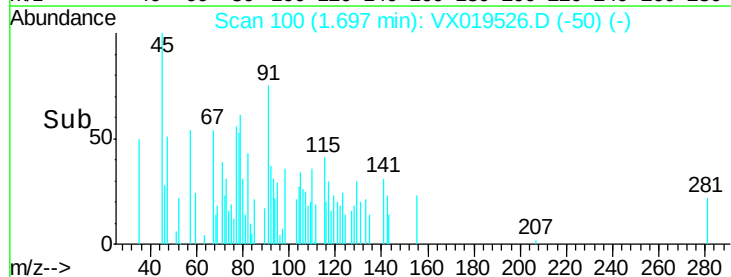
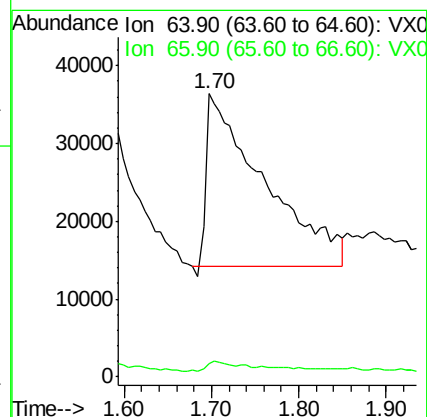
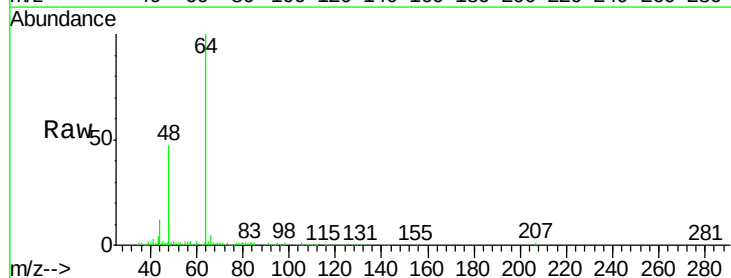
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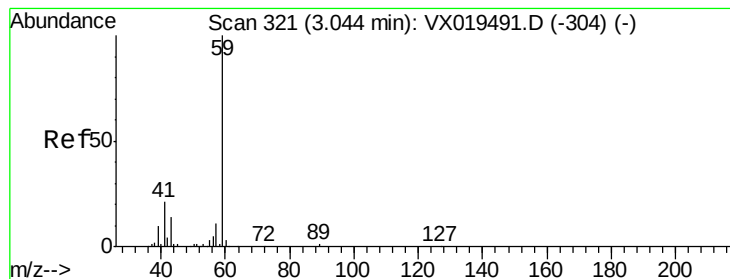
Tgt Ion: 64 Resp: 100302

Ion Ratio Lower Upper

64 100

66 4.0 27.1 40.7#





#11

Tert butyl alcohol

Concen: 11.082 ug/l

RT: 3.04 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampled :

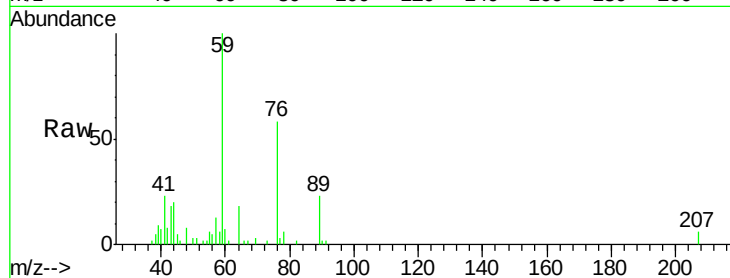
1814

Tot Ion: 59 Resp: 9015

Ion Ratio Lower Upper

59 100

57 13.4 7.9 11.9#

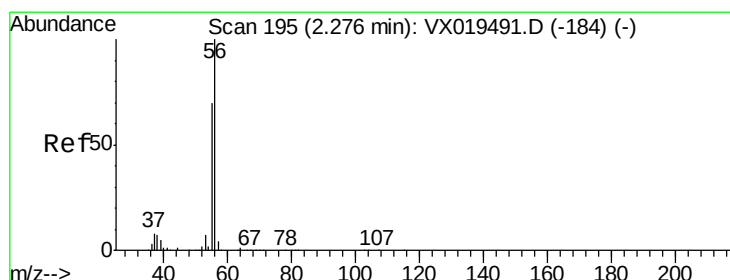
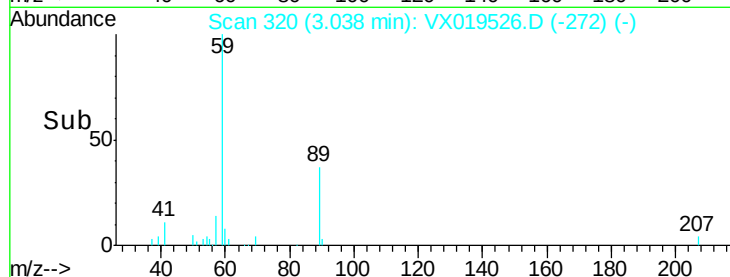


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

Time-->



#13

Acrolein

Concen: 1.562 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019526.D

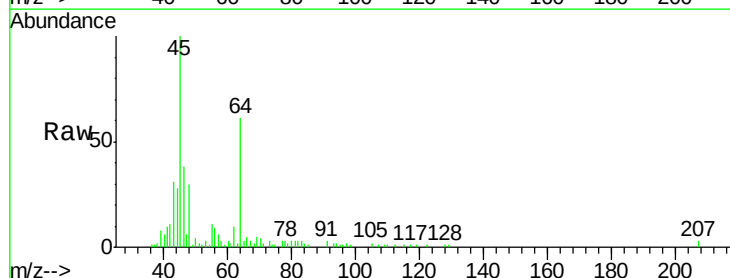
Acq: 21 Nov 2020 04:44

Tgt Ion: 56 Resp: 854

Ion Ratio Lower Upper

56 100

55 55.2 55.5 83.3#

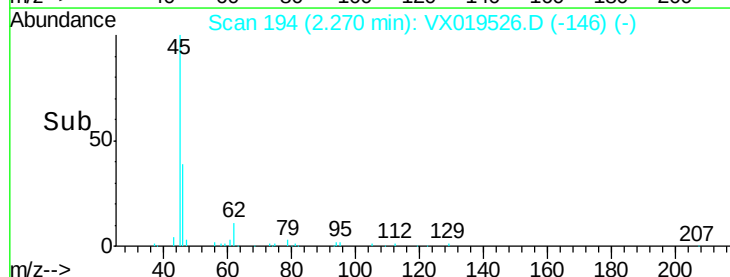


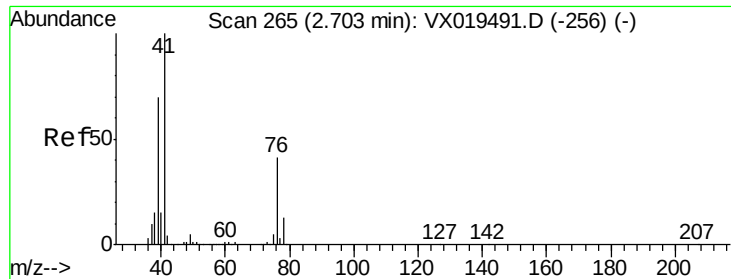
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

Time-->

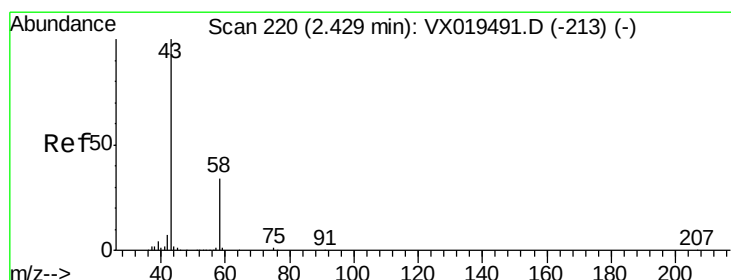
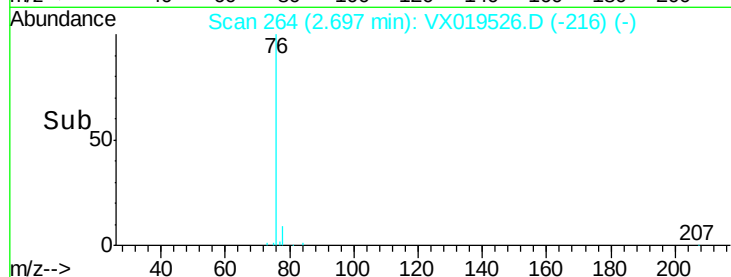
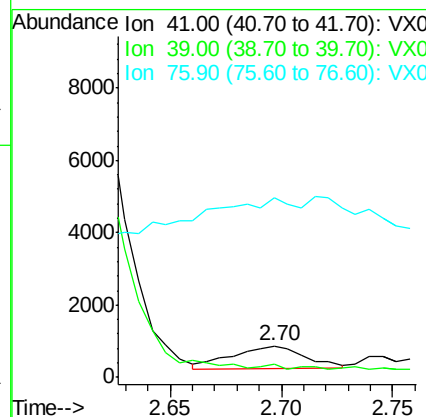
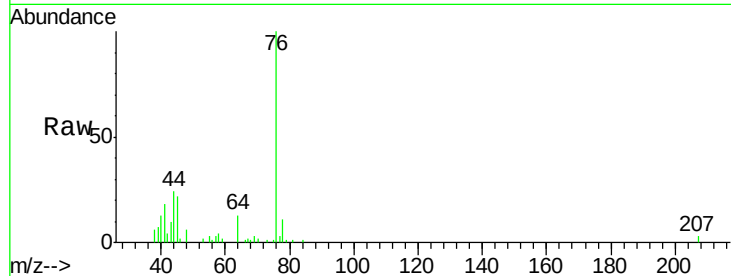




#14  
Allvl chloride  
Concen: 0.277 ug/l  
RT: 2.70 min Scan# 264  
Delta R.T. -0.01 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

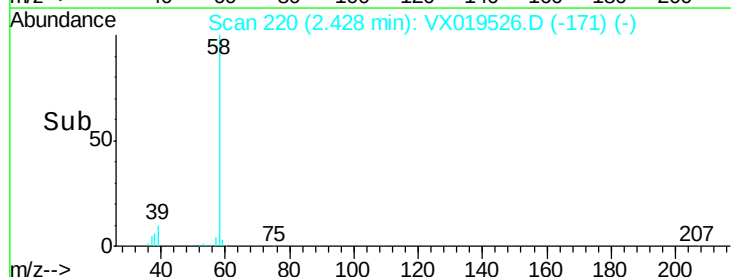
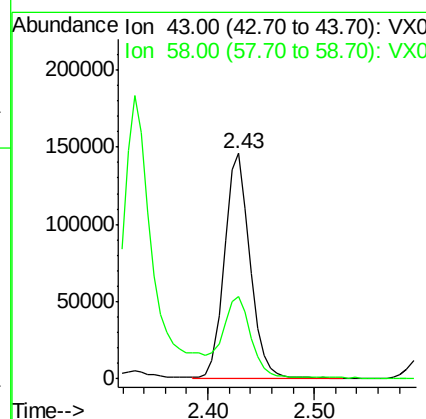
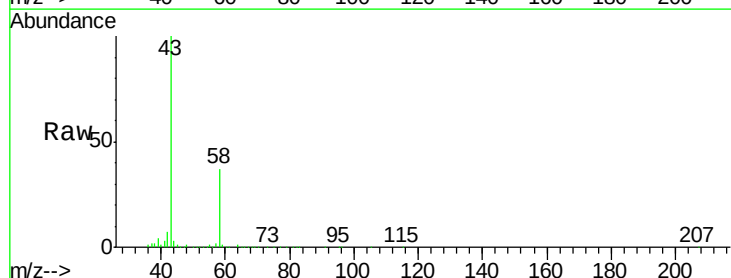
Instrument :  
MSVOA\_X  
ClientSampled :  
1814

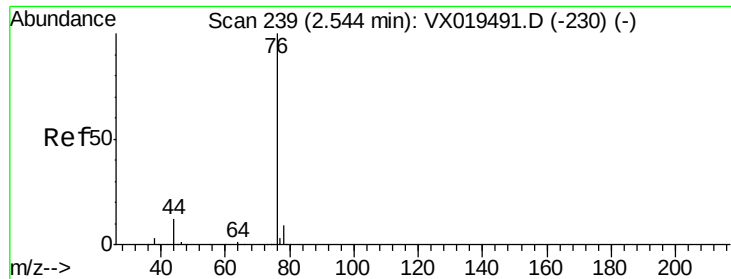
Tot Ion: 41 Resp: 1426  
Ion Ratio Lower Upper  
41 100  
39 0.0 53.0 79.4#  
76 825.2 31.0 46.6#



#16  
Acetone  
Concen: 145.929 ug/l  
RT: 2.43 min Scan# 220  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion: 43 Resp: 242584  
Ion Ratio Lower Upper  
43 100  
58 36.1 27.4 41.2





#17

Carbon Disulfide

Concen: 11.077 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampleId :

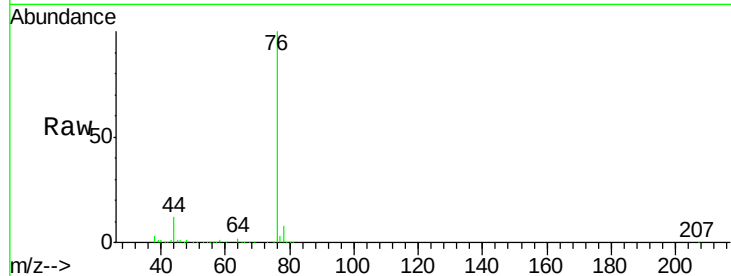
1814

Tot Ion: 76 Resp: 97952

Ion Ratio Lower Upper

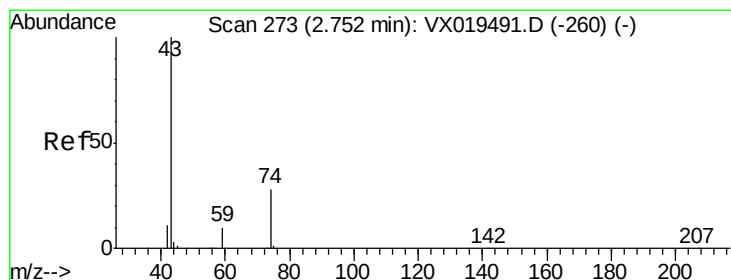
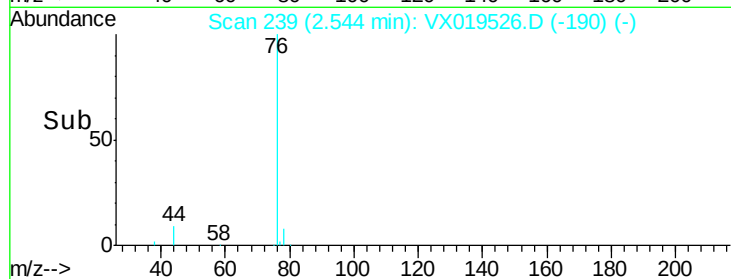
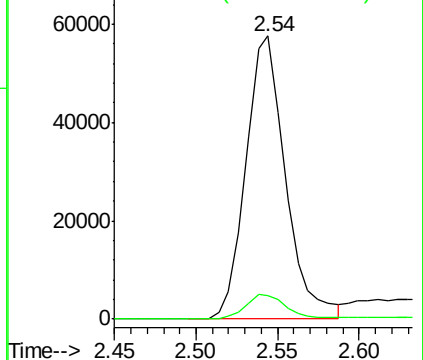
76 100

78 8.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 8.103 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019526.D

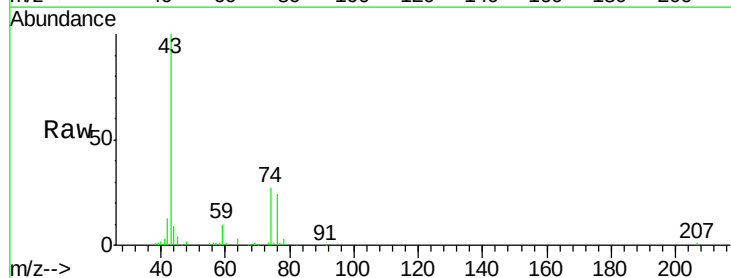
Acq: 21 Nov 2020 04:44

Tgt Ion: 43 Resp: 30834

Ion Ratio Lower Upper

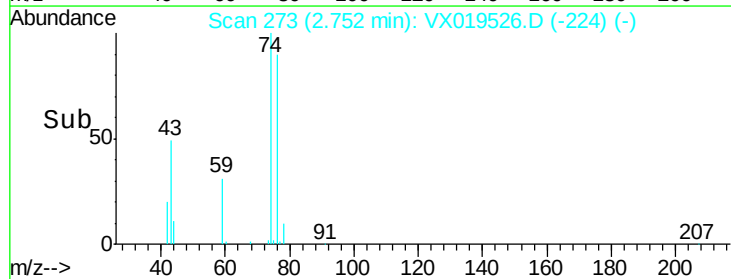
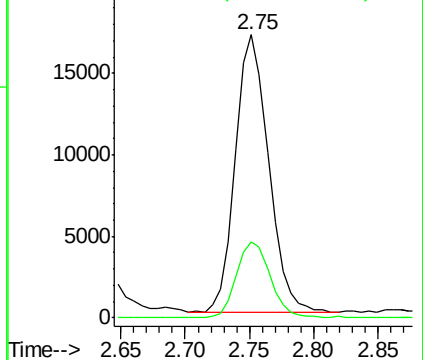
43 100

74 27.7 22.2 33.4

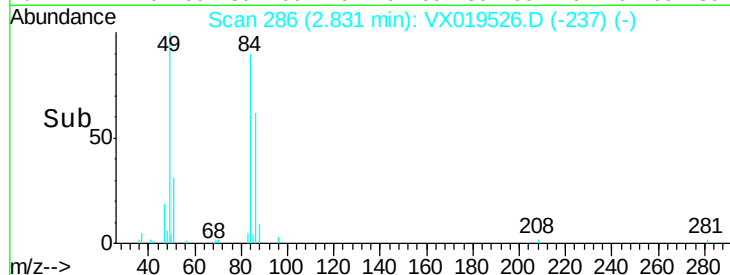
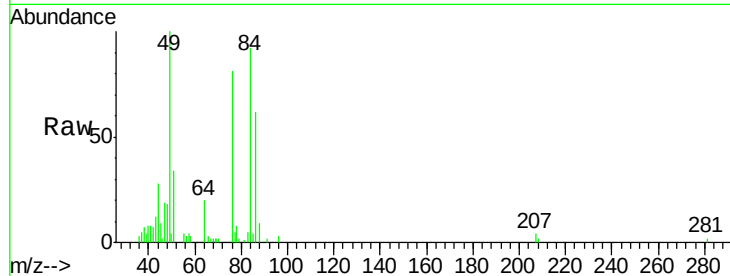
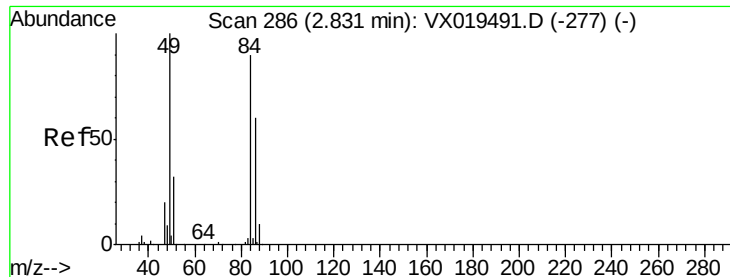


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



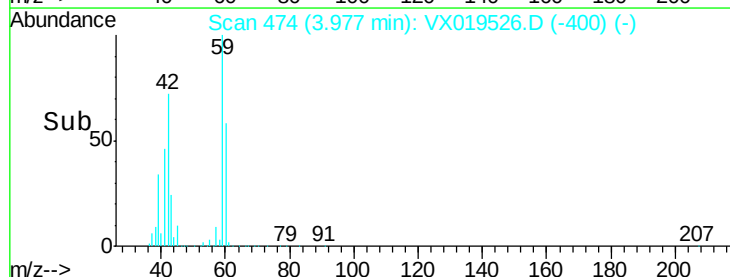
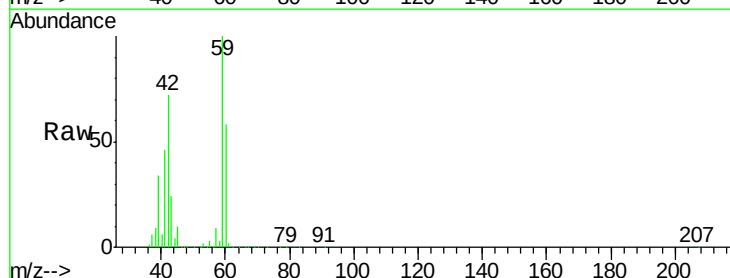
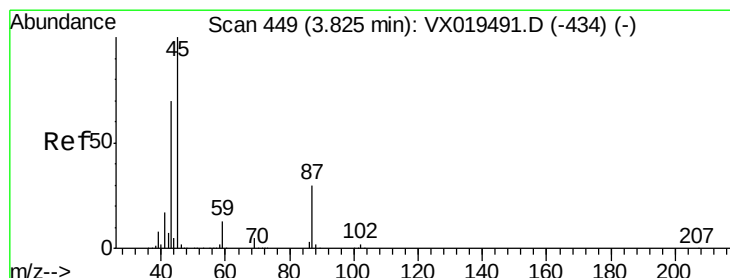
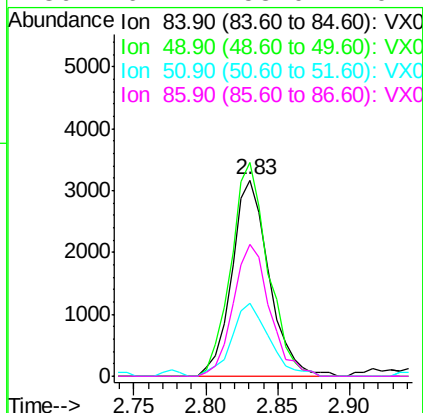




#20  
Methylene Chloride  
Concen: 1.375 ug/l  
RT: 2.83 min Scan# 286  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

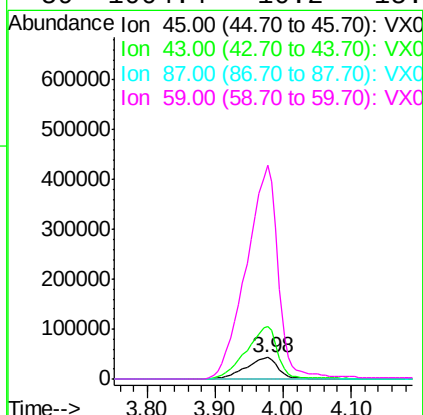
Instrument :  
MSVOA\_X  
ClientSampled :  
1814

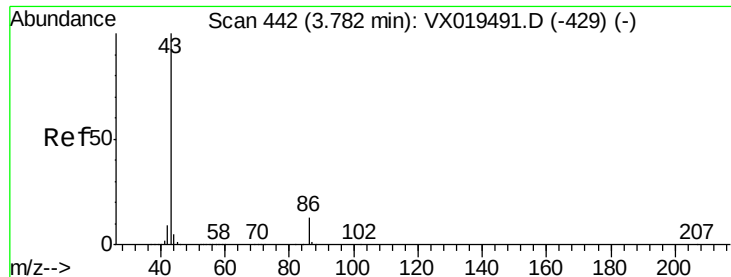
Tot Ion: 84 Resp: 5714  
Ion Ratio Lower Upper  
84 100  
49 108.8 88.5 132.7  
51 37.1 28.0 42.0  
86 67.2 53.0 79.4



#22  
Diisopropyl ether  
Concen: 13.426 ug/l  
RT: 3.98 min Scan# 474  
Delta R.T. 0.15 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion: 45 Resp: 143216  
Ion Ratio Lower Upper  
45 100  
43 244.0 56.1 84.1#  
87 0.0 24.2 36.2#  
59 1004.4 10.2 15.2#





#23

Vinyl Acetate

Concen: 38.038 ug/l

RT: 3.98 min Scan# 474

Delta R.T. 0.20 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampled :

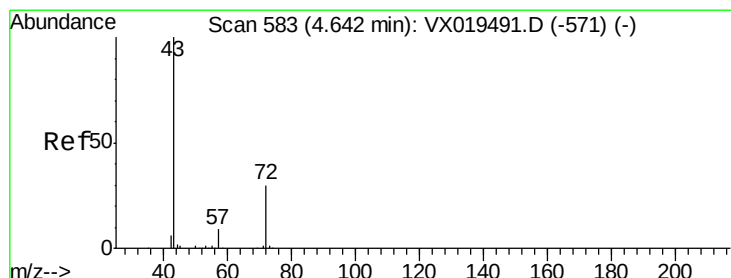
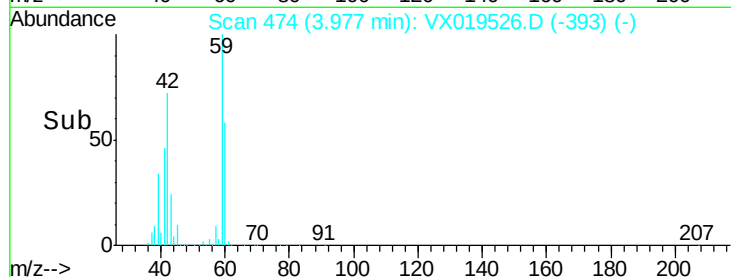
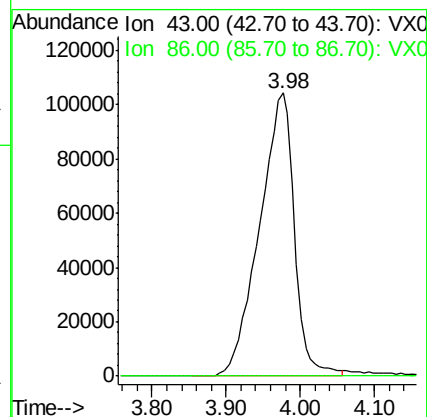
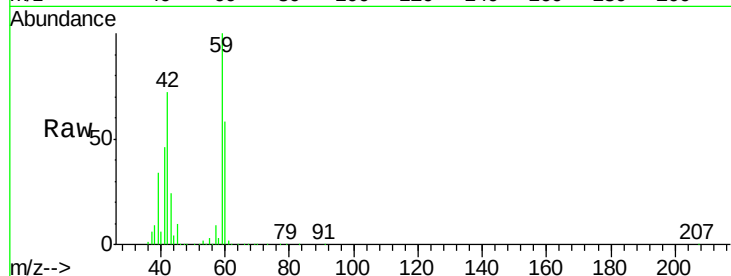
1814

Tot Ion: 43 Resp: 340334

Ion Ratio Lower Upper

43 100

86 0.0 10.2 15.2#



#25

2-Butanone

Concen: 26.306 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX019526.D

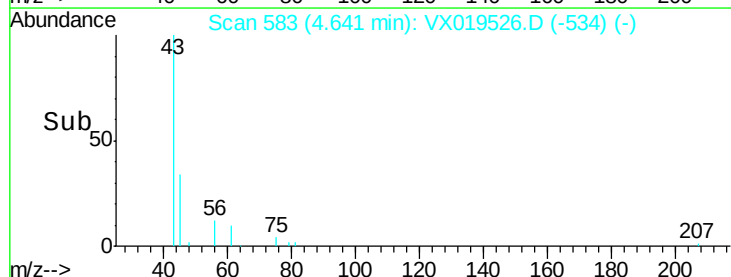
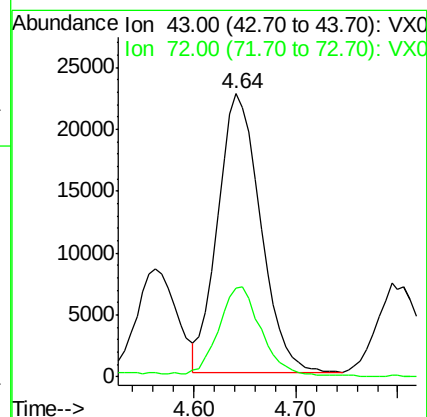
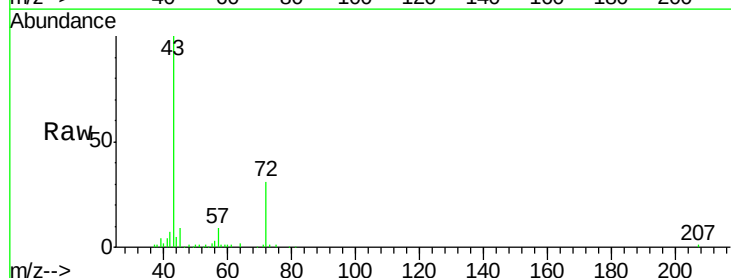
Acq: 21 Nov 2020 04:44

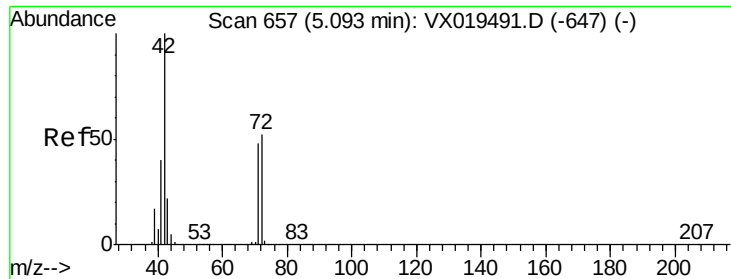
Tgt Ion: 43 Resp: 65690

Ion Ratio Lower Upper

43 100

72 31.3 24.0 36.0

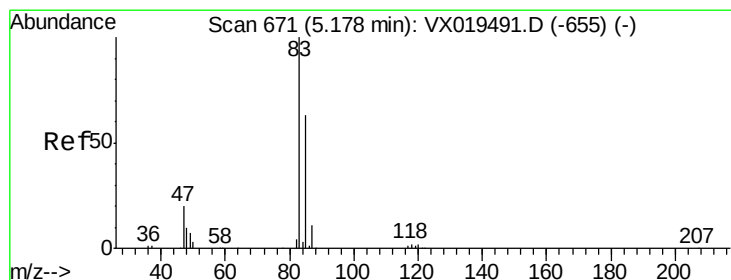
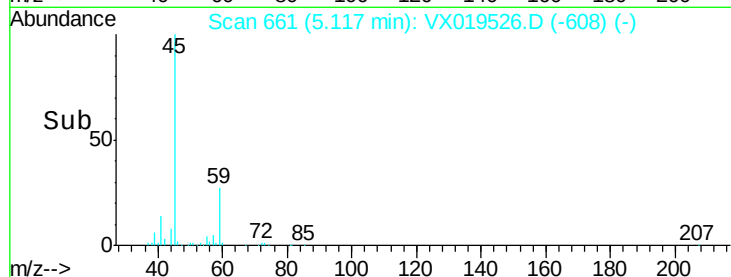
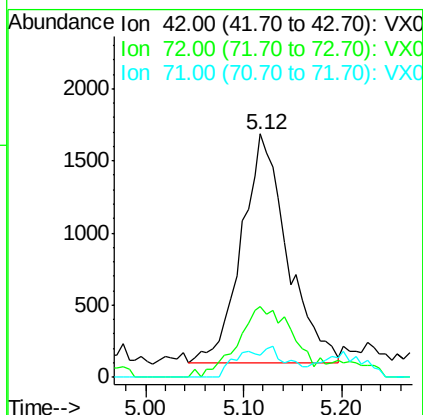
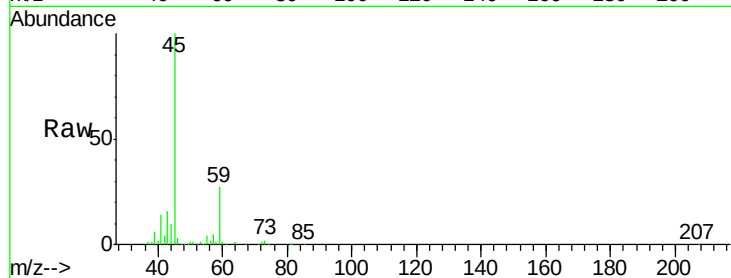




#29  
Tetrahydrofuran  
Concen: 3.230 ug/l  
RT: 5.12 min Scan# 661  
Delta R.T. 0.02 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

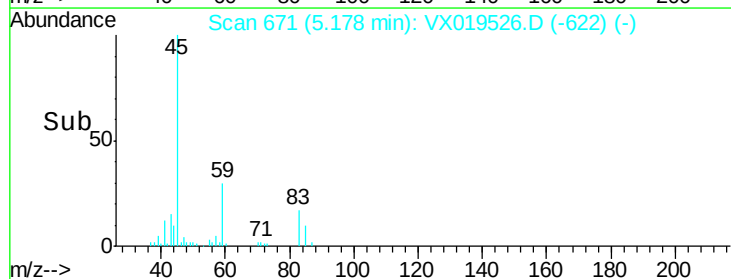
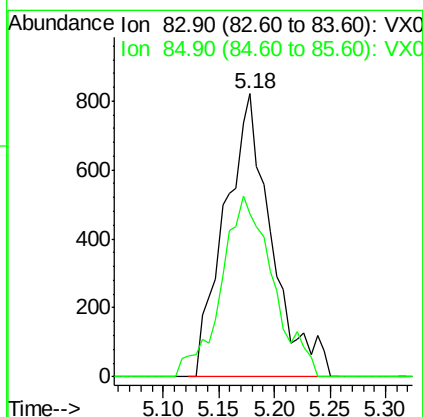
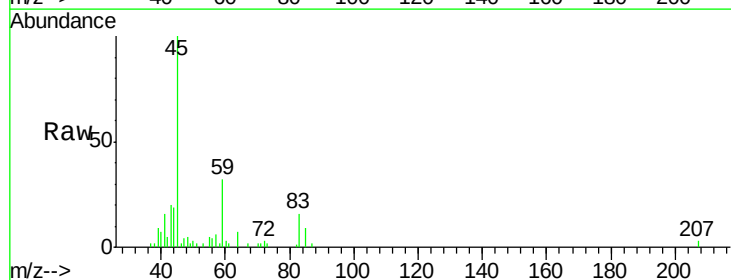
Instrument :  
MSVOA\_X  
ClientSampled :  
1814

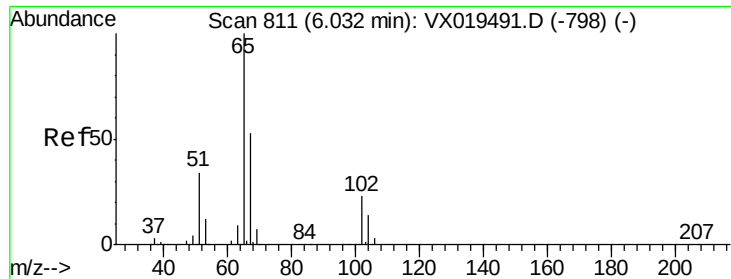
Tot Ion: 42 Resp: 5146  
Ion Ratio Lower Upper  
42 100  
72 39.2 42.6 63.8#  
71 7.0 39.0 58.6#



#30  
Chloroform  
Concen: 0.351 ug/l  
RT: 5.18 min Scan# 671  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion: 83 Resp: 2398  
Ion Ratio Lower Upper  
83 100  
85 57.4 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 44.342 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampleId :

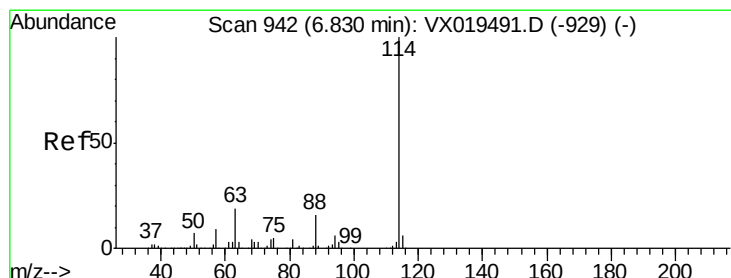
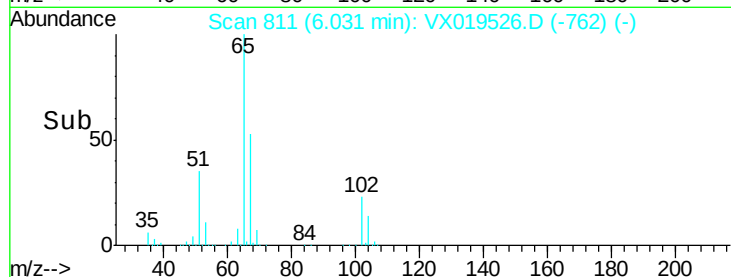
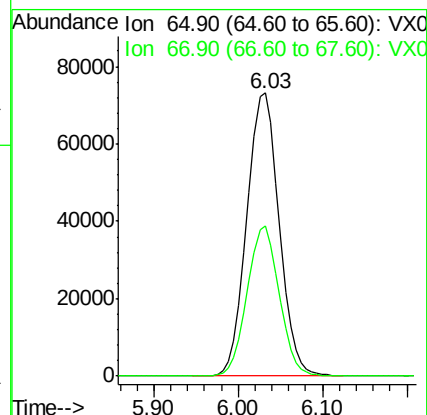
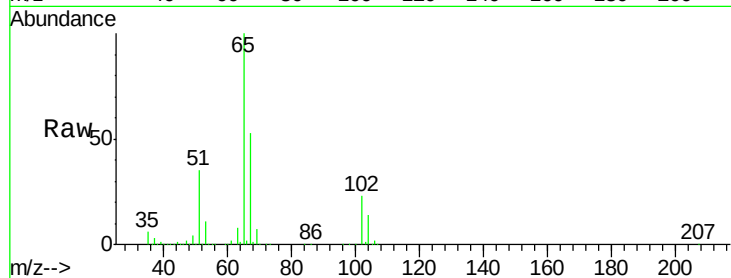
1814

Tot Ion: 65 Resp: 190609

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

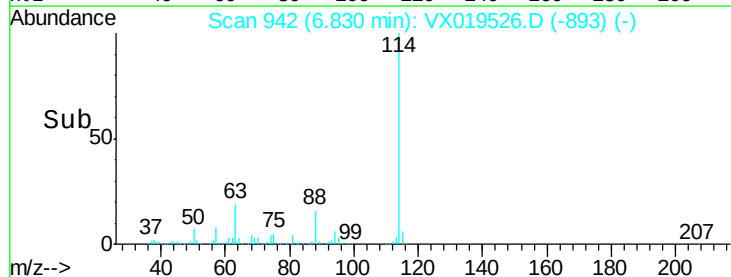
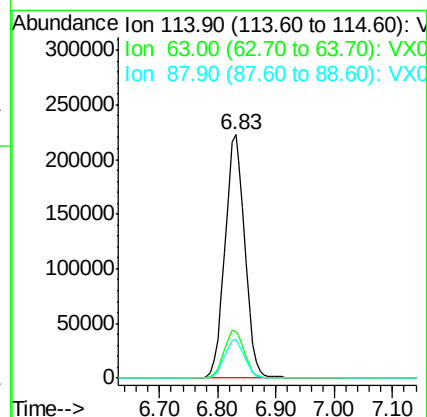
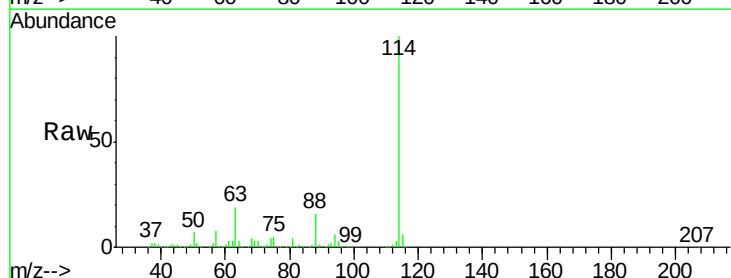
Tgt Ion: 114 Resp: 524273

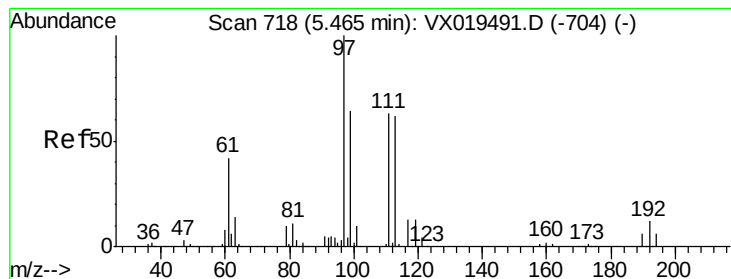
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.513 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampleId :

1814

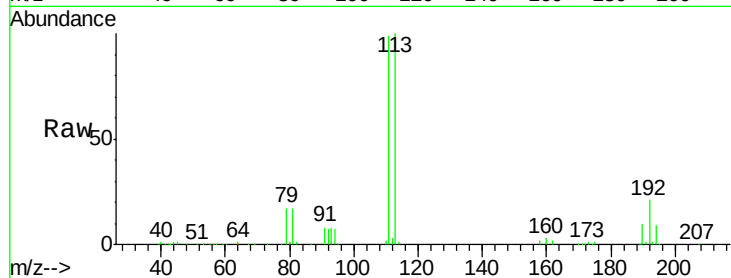
Tot Ion:113 Resp: 159649

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

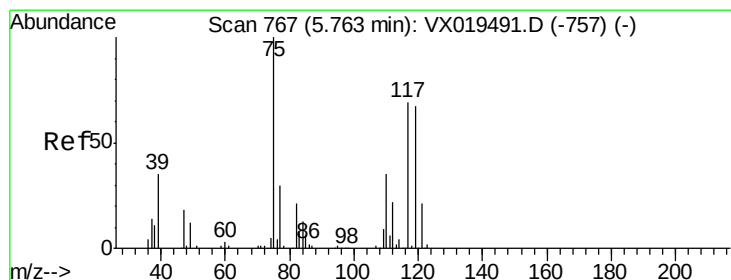
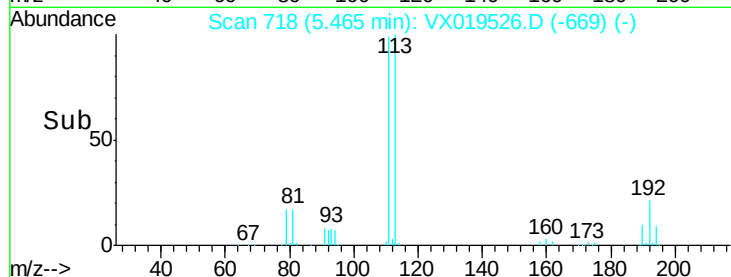
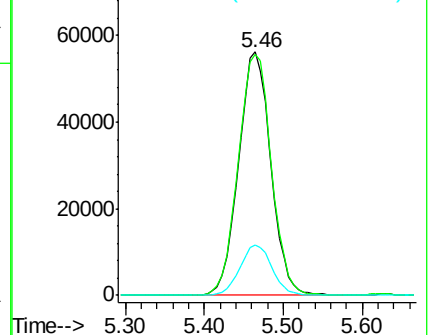
192 20.6 16.2 24.2



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: 4.962 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

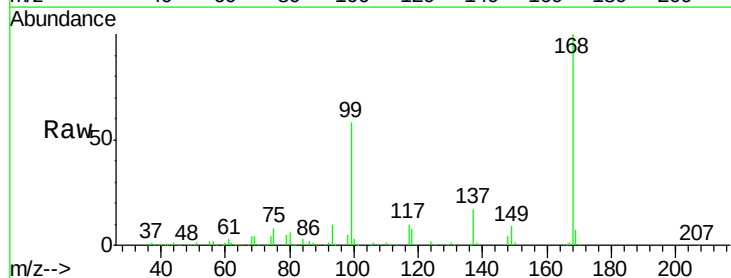
Tgt Ion: 75 Resp: 24389

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.3#

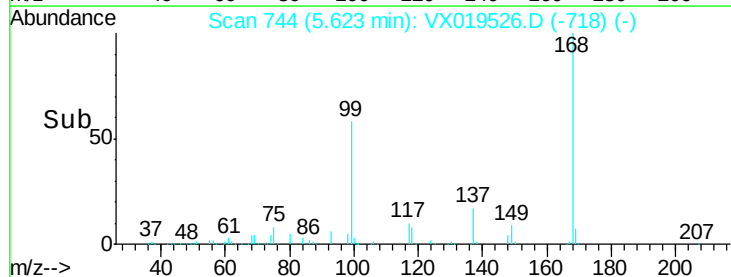
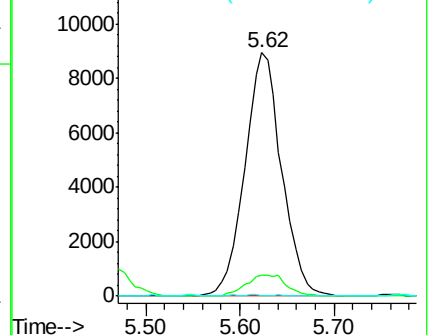
77 0.2 24.2 36.4#

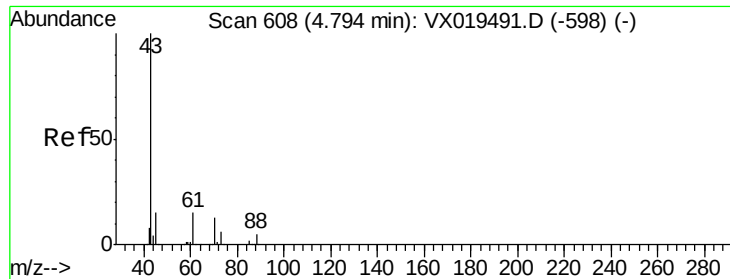


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

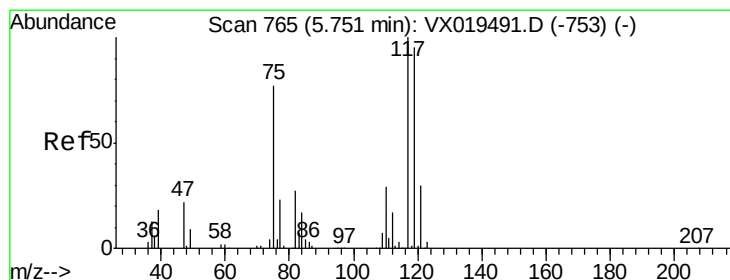
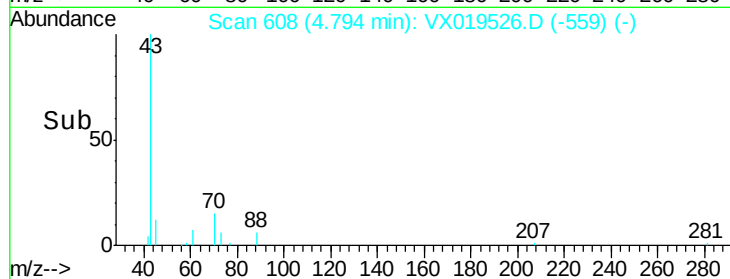
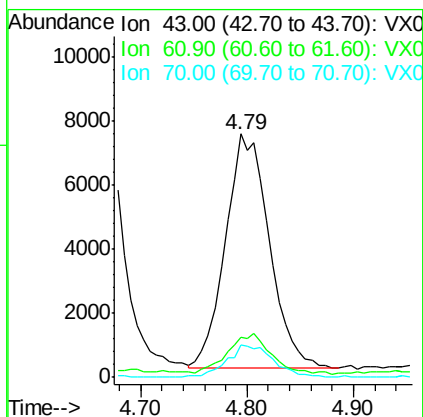
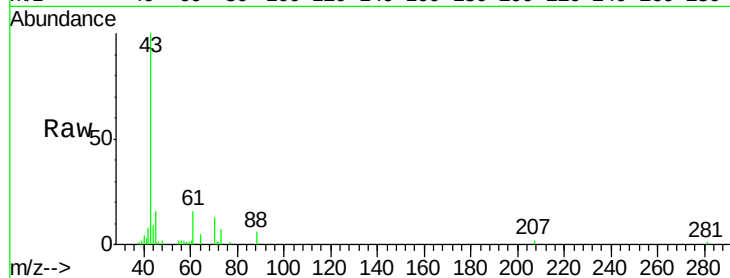




#37  
Ethyl Acetate  
Concen: 4.586 ug/l  
RT: 4.79 min Scan# 608  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

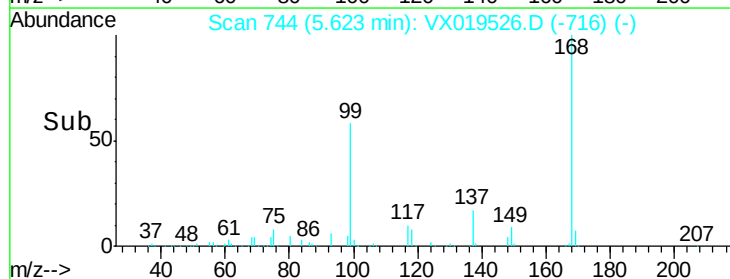
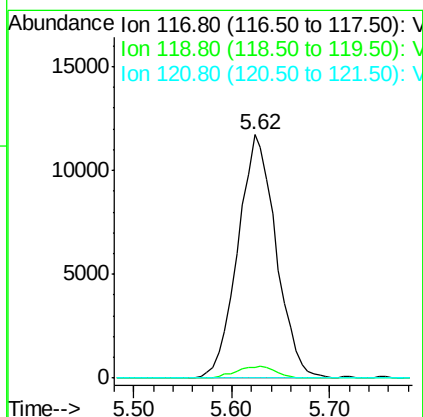
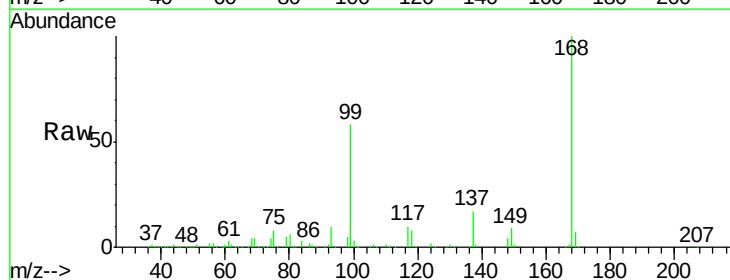
Instrument :  
MSVOA\_X  
ClientSampleId :  
1814

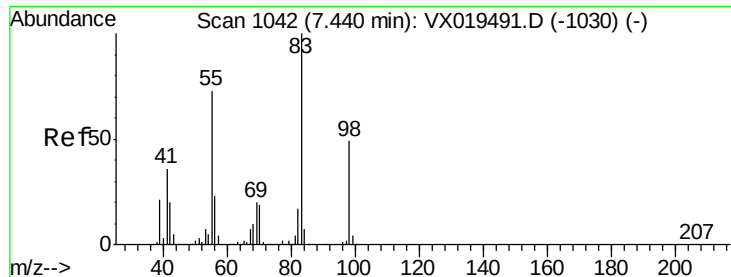
Tot Ion: 43 Resp: 21161  
Ion Ratio Lower Upper  
43 100  
61 17.0 12.7 19.1  
70 14.7 10.2 15.2



#38  
Carbon Tetrachloride  
Concen: 6.669 ug/l  
RT: 5.62 min Scan# 744  
Delta R.T. -0.13 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion: 117 Resp: 31729  
Ion Ratio Lower Upper  
117 100  
119 4.3 75.9 113.9#  
121 0.0 24.0 36.0#

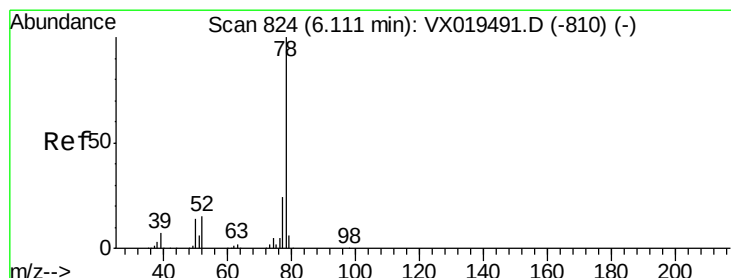
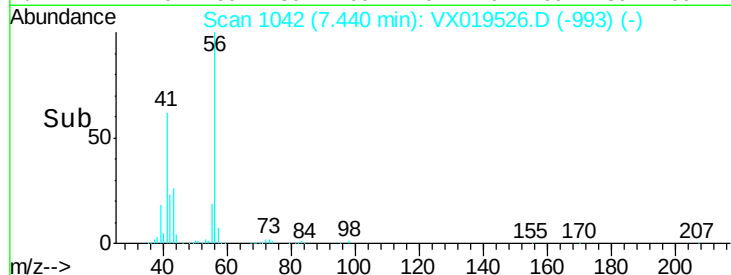
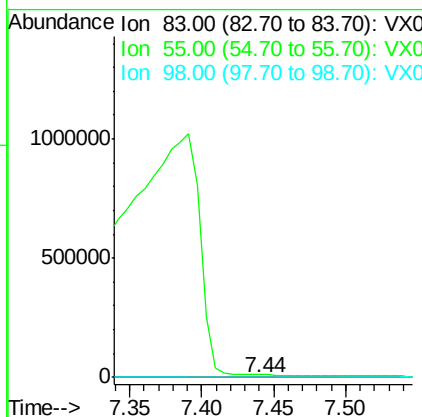
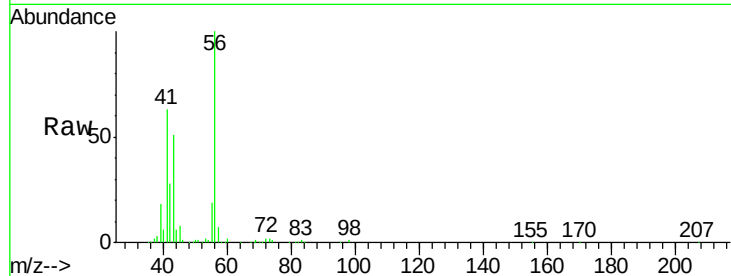




#39  
Methylvlcyclohexane  
Concen: 0.311 ug/l  
RT: 7.44 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

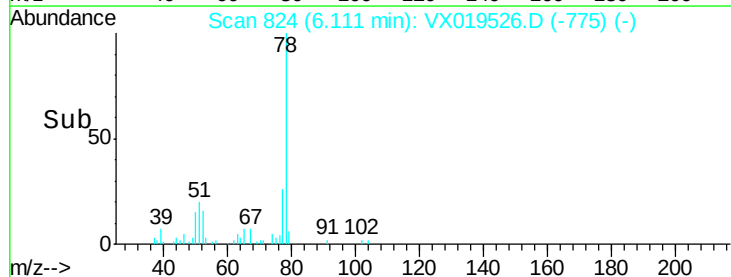
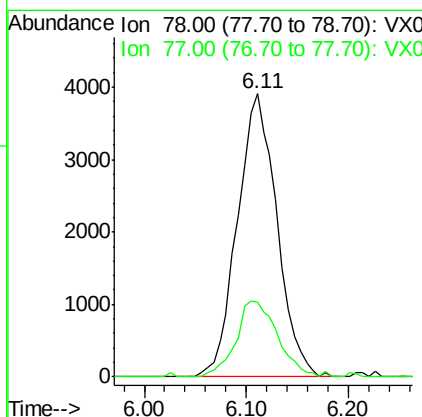
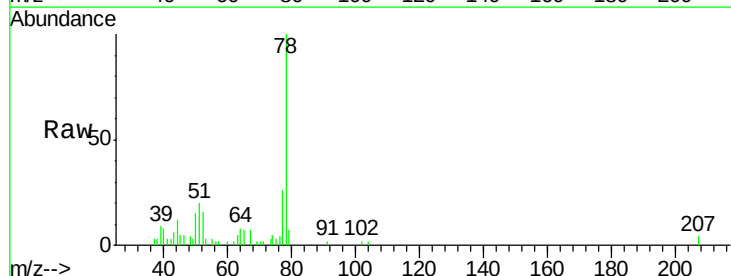
Instrument :  
MSVOA\_X  
ClientSampled :  
1814

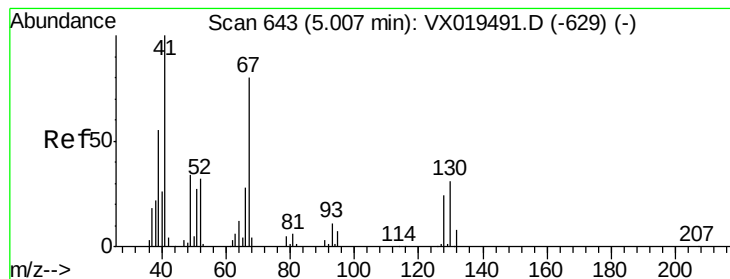
Tot Ion: 83 Resp: 1777  
Ion Ratio Lower Upper  
83 100  
55 985.3 58.3 87.5#  
98 50.7 38.9 58.3



#40  
Benzene  
Concen: 0.695 ug/l  
RT: 6.11 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion: 78 Resp: 10501  
Ion Ratio Lower Upper  
78 100  
77 26.4 18.9 28.3





#41

Methacrylonitrile

Concen: 7.746 ug/l

RT: 5.12 min Scan# 662

Delta R.T. 0.12 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampleId :

1814

Tot Ion: 41 Resp: 19709

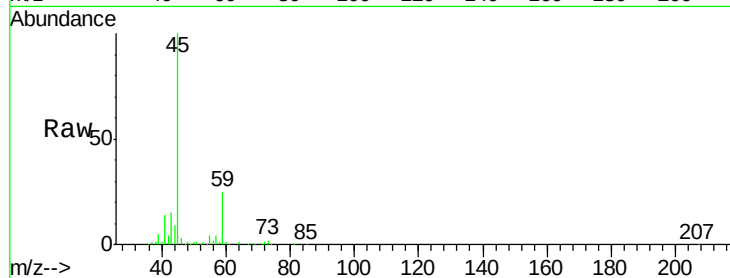
Ion Ratio Lower Upper

41 100

39 37.4 43.3 64.9#

67 0.7 66.0 99.0#

52 1.4 25.4 38.2#

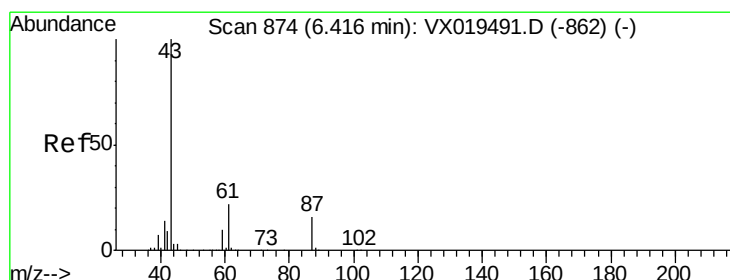
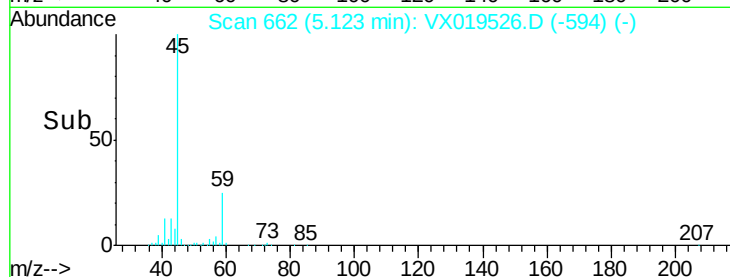
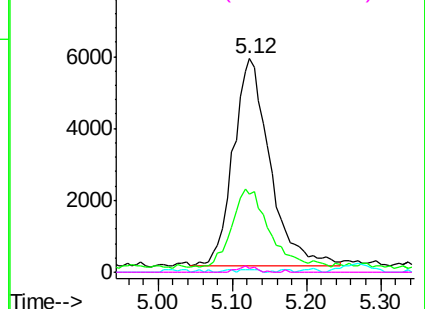


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#43

Isopropyl Acetate

Concen: 0.221 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

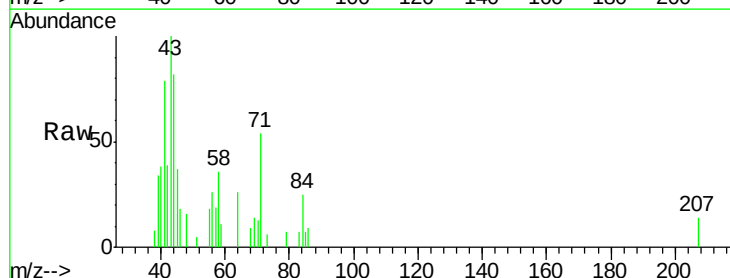
Tgt Ion: 43 Resp: 1713

Ion Ratio Lower Upper

43 100

61 0.0 18.2 27.2#

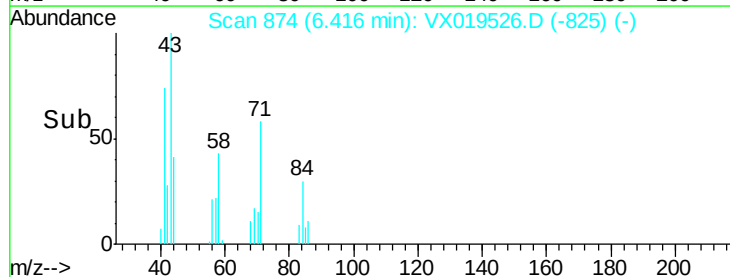
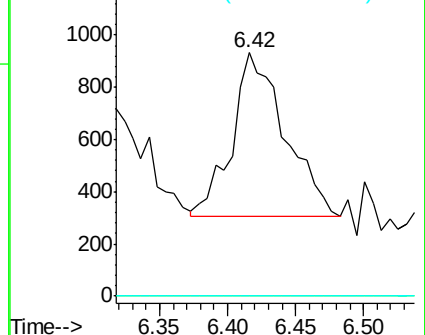
87 0.0 12.6 18.8#



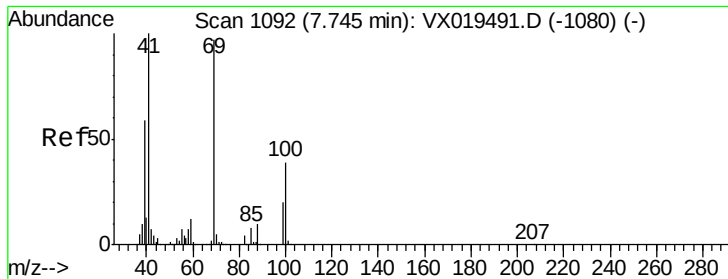
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



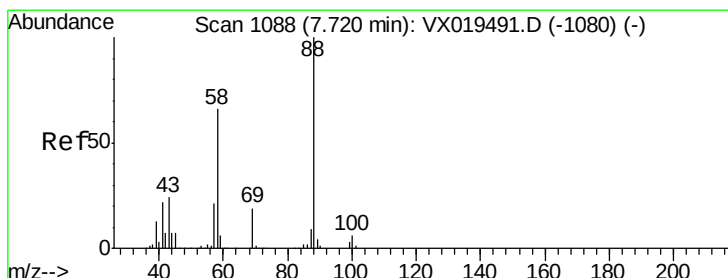
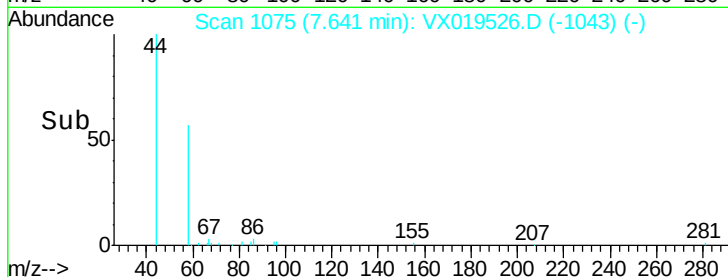
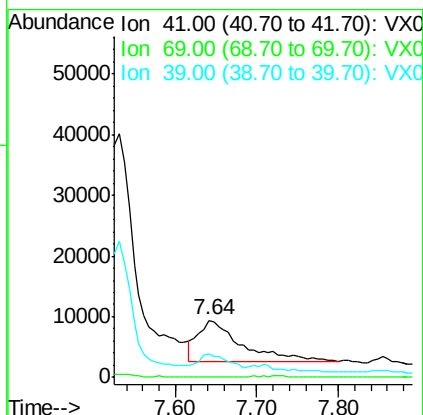
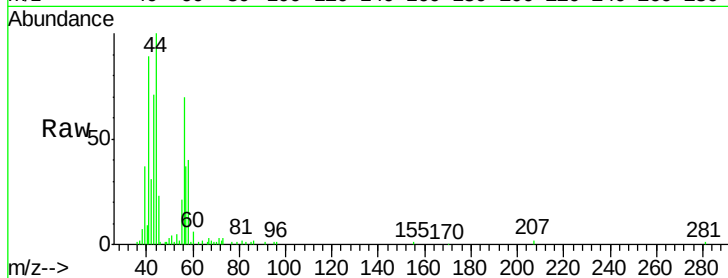




#48  
Methvl methacrylate  
Concen: 6.979 ug/l  
RT: 7.64 min Scan# 1075  
Delta R.T. -0.10 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

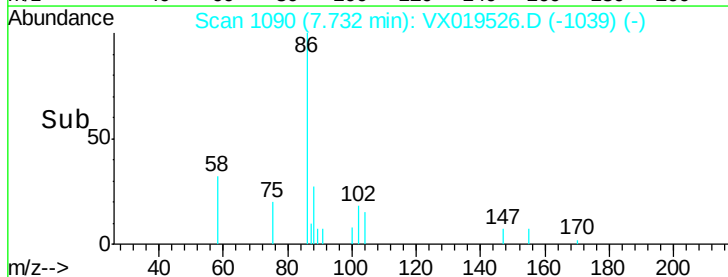
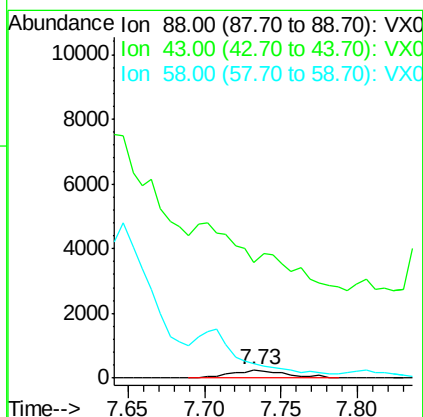
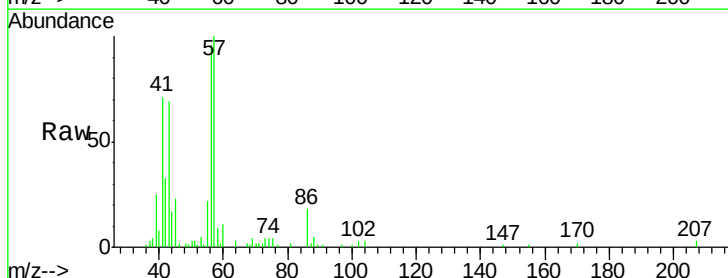
Instrument :  
MSVOA\_X  
ClientSampled :  
1814

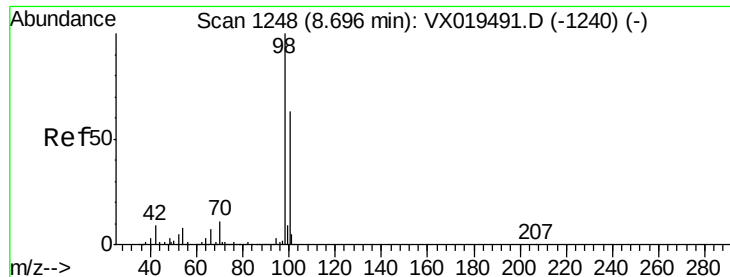
Tot Ion: 41 Resp: 25353  
Ion Ratio Lower Upper  
41 100  
69 0.0 77.0 115.6#  
39 24.3 45.6 68.4#



#49  
1,4-Dioxane  
Concen: 7.190 ug/l  
RT: 7.73 min Scan# 1090  
Delta R.T. 0.01 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion: 88 Resp: 593  
Ion Ratio Lower Upper  
88 100  
43 0.0 23.8 35.6#  
58 0.0 54.2 81.2#

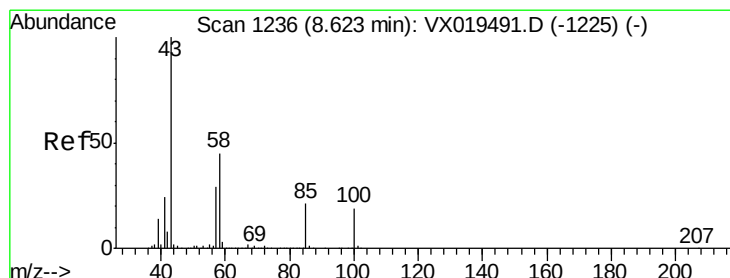
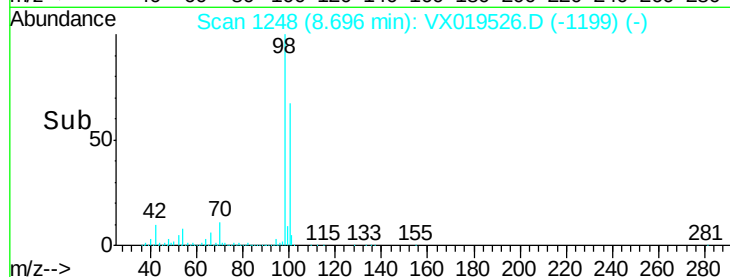
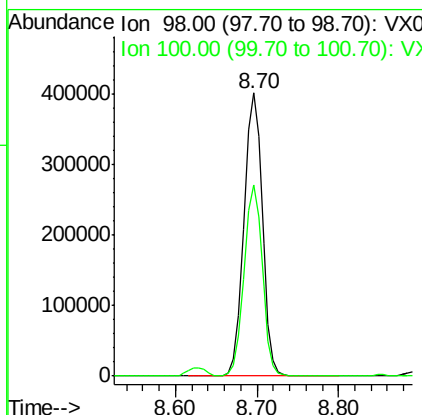
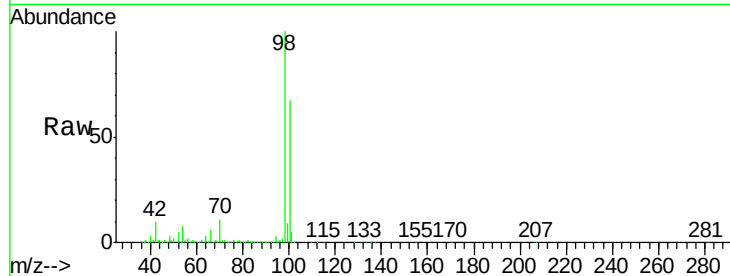




#50  
Toluene-d8  
Concen: 49.024 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

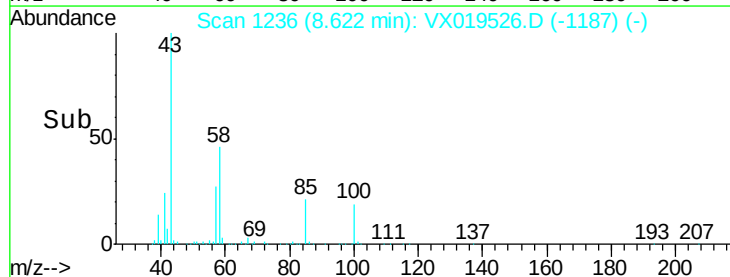
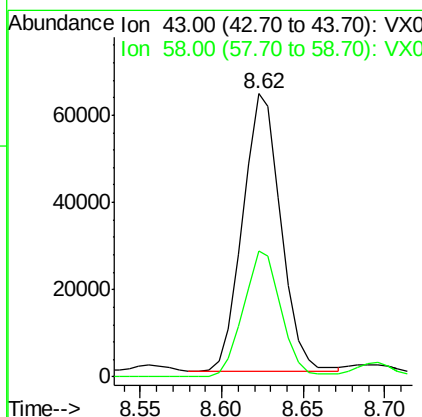
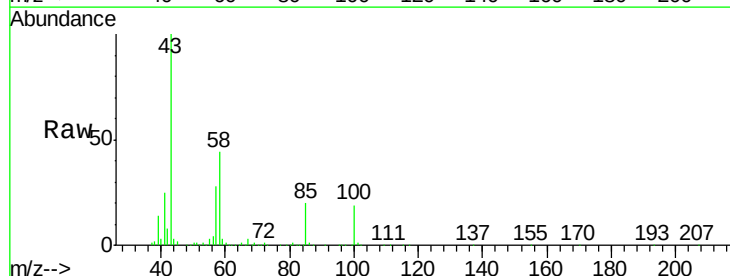
Instrument :  
MSVOA\_X  
ClientSampled :  
1814

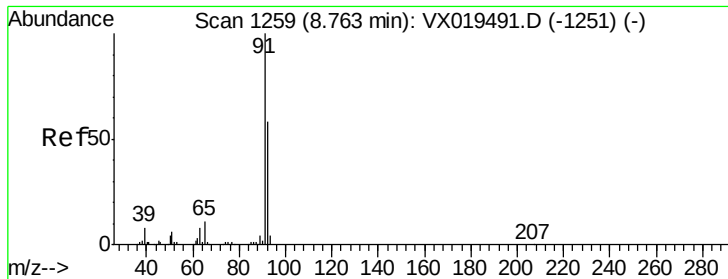
Tot Ion: 98 Resp: 626911  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.4 78.6



#51  
4-Methyl-2-Pentanone  
Concen: 22.933 ug/l  
RT: 8.62 min Scan# 1236  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion: 43 Resp: 103727  
Ion Ratio Lower Upper  
43 100  
58 44.4 35.1 52.7





#52

Toluene

Concen: 5.052 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampleId :

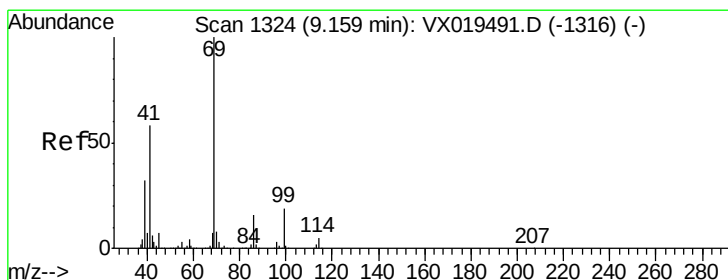
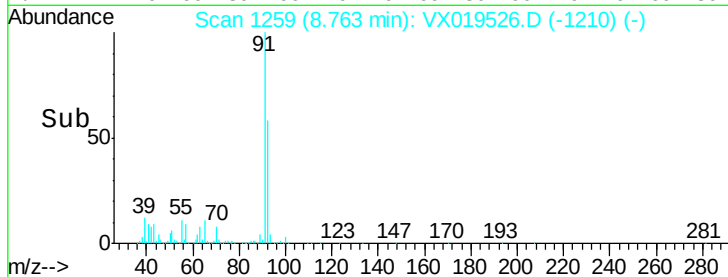
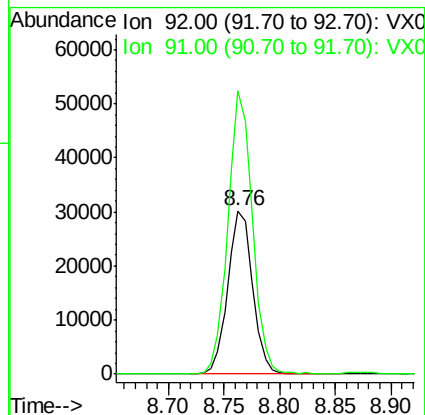
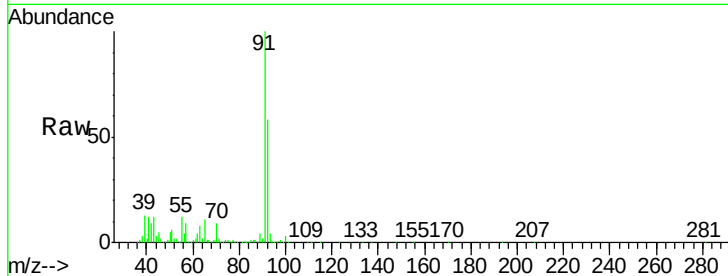
1814

Tot Ion: 92 Resp: 46676

Ion Ratio Lower Upper

92 100

91 169.6 138.1 207.1



#56

Ethyl methacrylate

Concen: 13.887 ug/l

RT: 9.08 min Scan# 1311

Delta R.T. -0.08 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

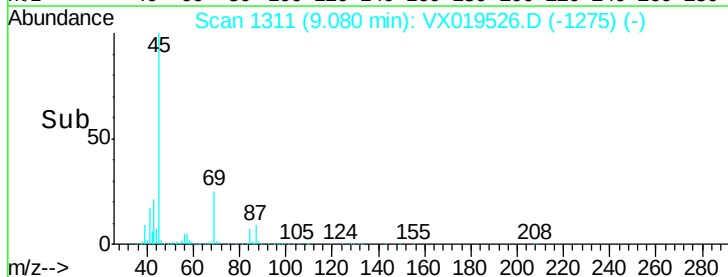
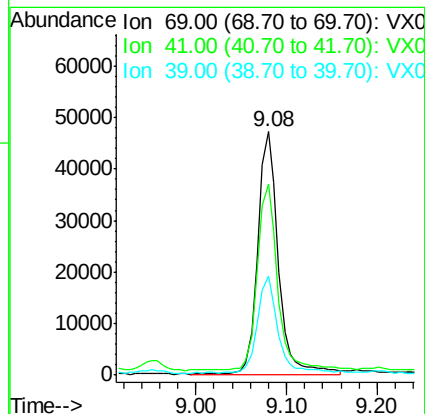
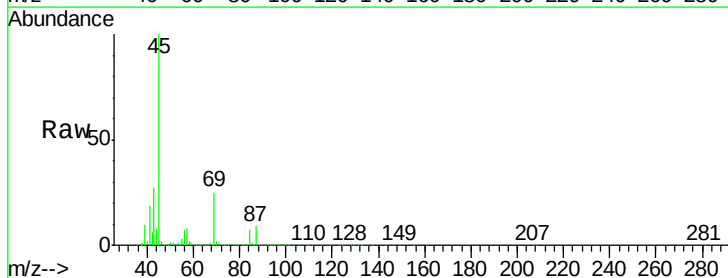
Tgt Ion: 69 Resp: 73935

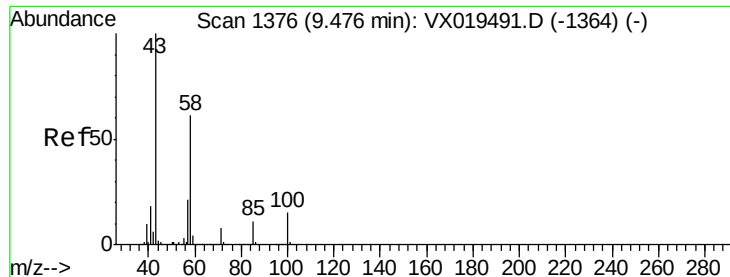
Ion Ratio Lower Upper

69 100

41 75.5 46.2 69.2#

39 39.3 25.5 38.3#

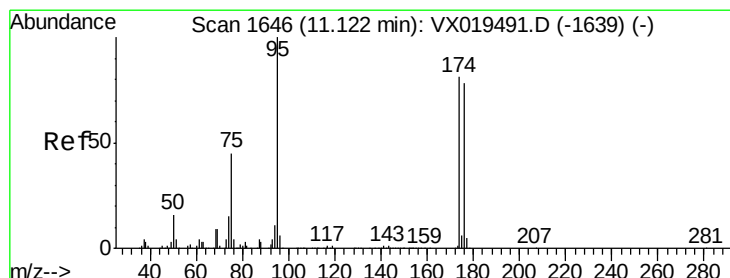
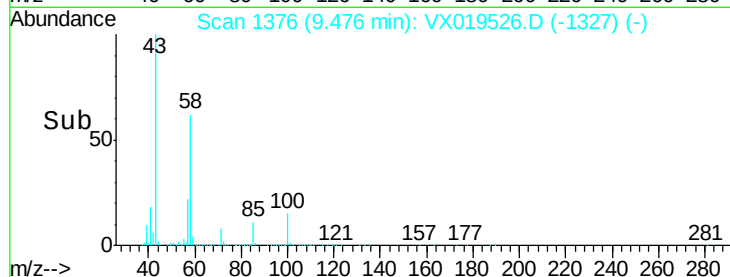
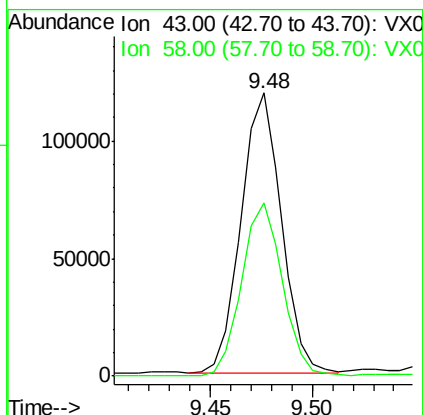
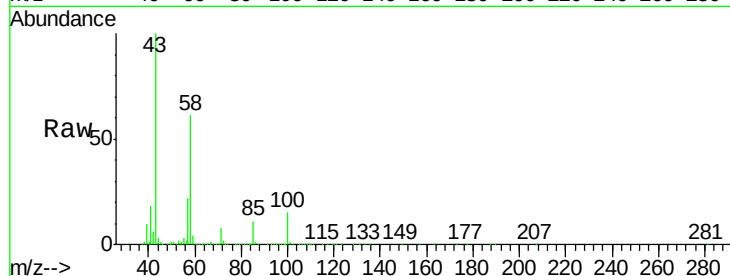




#59  
2-Hexanone  
Concen: 47.570 ug/l  
RT: 9.48 min Scan# 1376  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

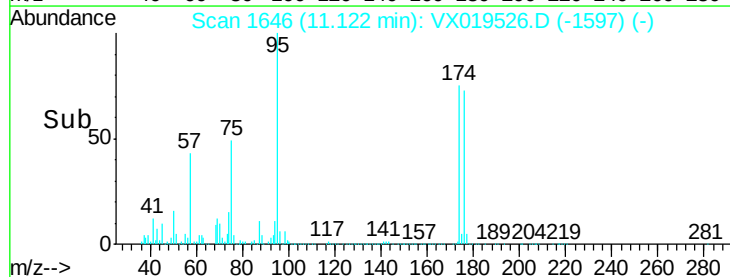
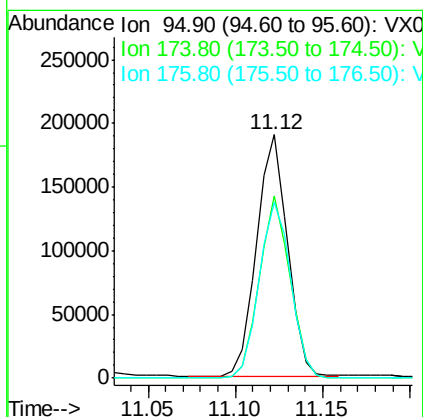
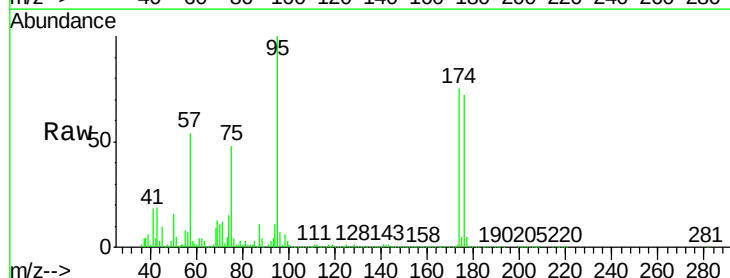
Instrument :  
MSVOA\_X  
ClientSampled :  
1814

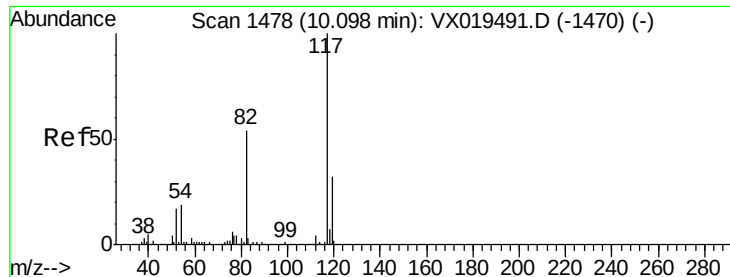
Tot Ion: 43 Resp: 163183  
Ion Ratio Lower Upper  
43 100  
58 62.9 30.6 91.6



#62  
4-Bromofluorobenzene  
Concen: 50.797 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion: 95 Resp: 233715  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 156.2  
176 74.2 0.0 151.4

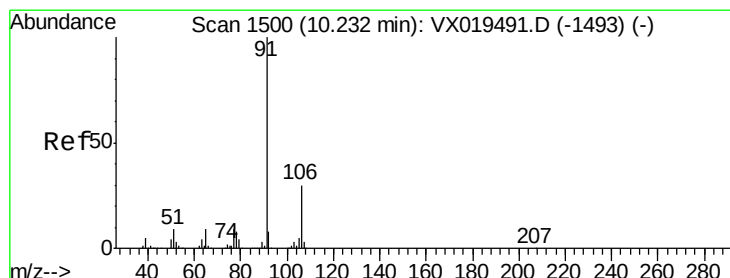
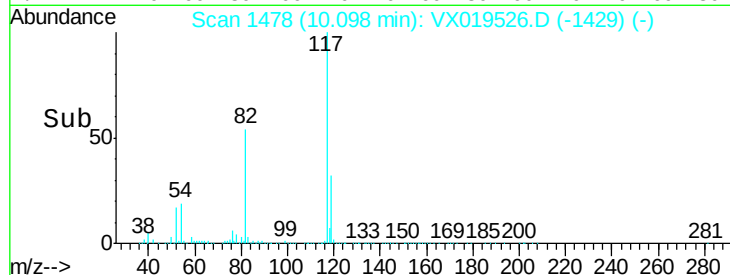
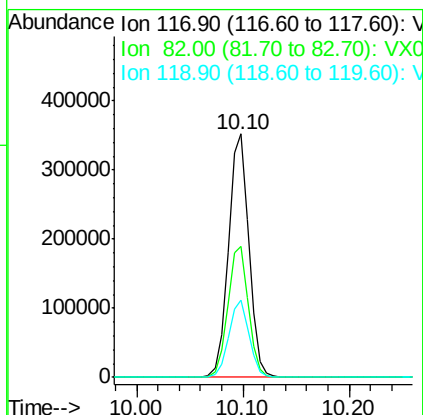
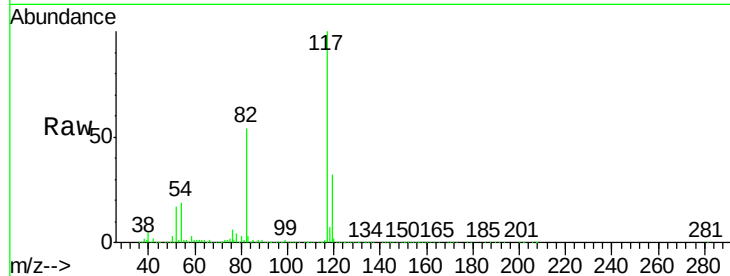




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

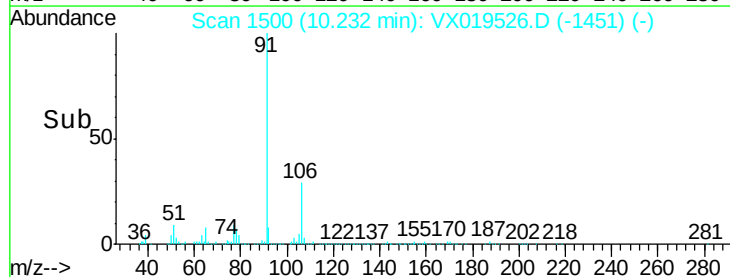
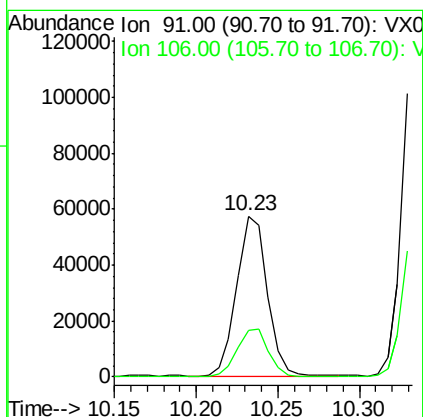
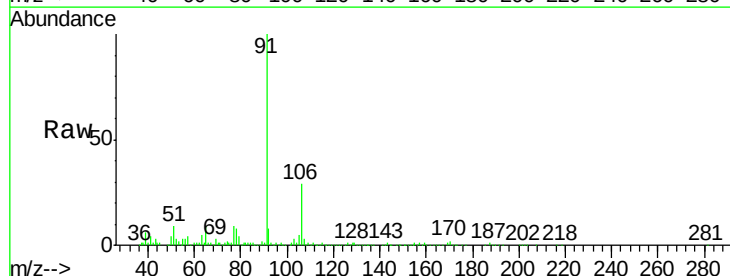
Instrument :  
MSVOA\_X  
ClientSampleId :  
1814

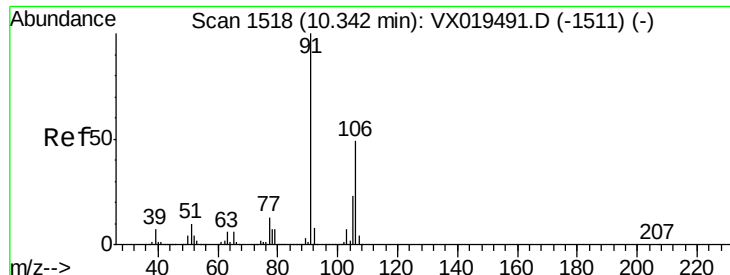
Tot Ion:117 Resp: 471364  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.0 64.4  
119 31.9 25.6 38.4



#67  
Ethyl Benzene  
Concen: 4.397 ug/l  
RT: 10.23 min Scan# 1500  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion: 91 Resp: 74644  
Ion Ratio Lower Upper  
91 100  
106 28.7 24.0 36.0

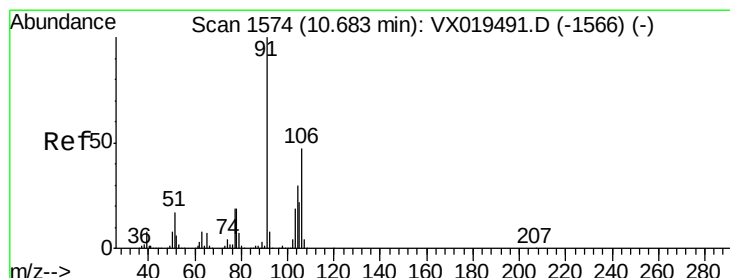
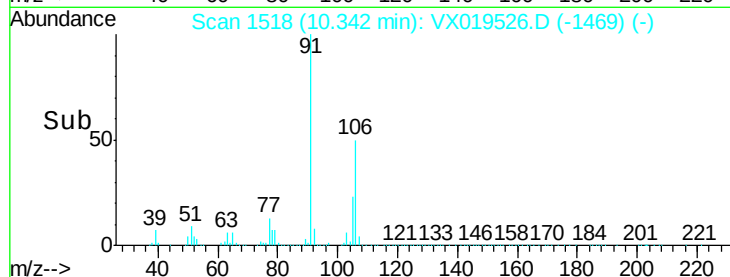
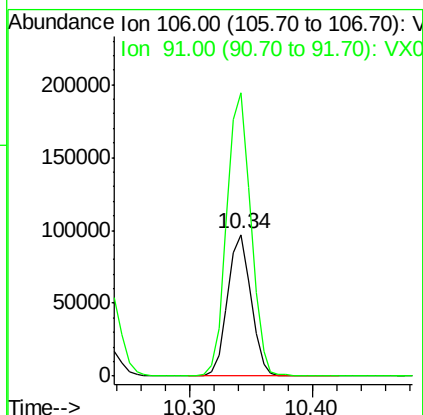
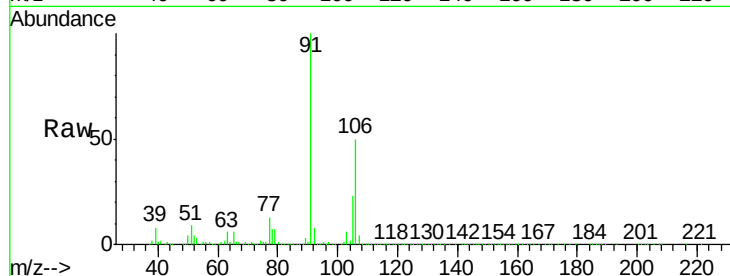




#68  
m/p-Xylenes  
Concen: 20.290 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

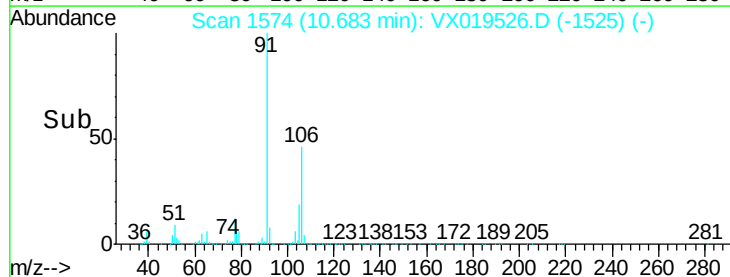
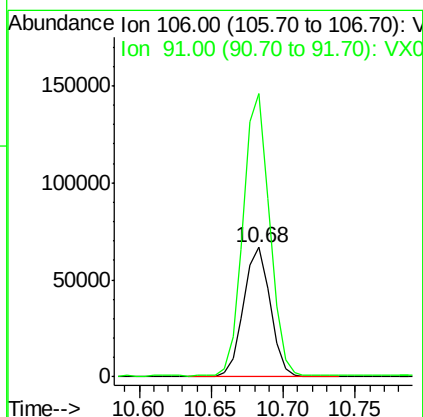
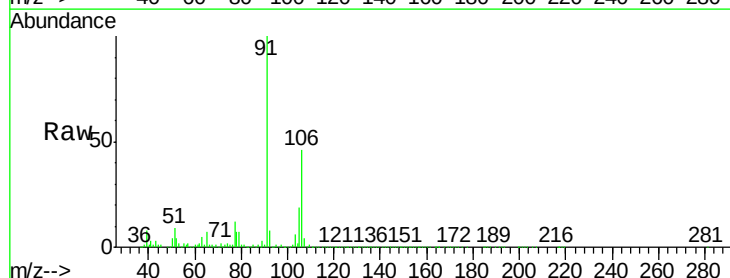
Instrument :  
MSVOA\_X  
ClientSampled :  
1814

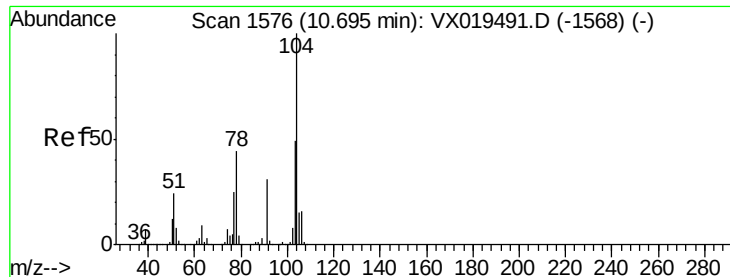
Tot Ion:106 Resp: 128340  
Ion Ratio Lower Upper  
106 100  
91 204.9 163.3 244.9



#69  
o-Xylene  
Concen: 14.131 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion:106 Resp: 85442  
Ion Ratio Lower Upper  
106 100  
91 216.4 108.0 324.0

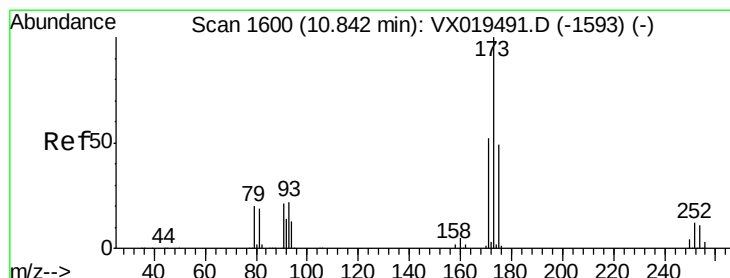
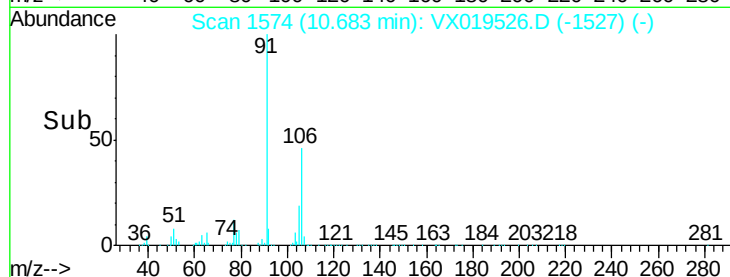
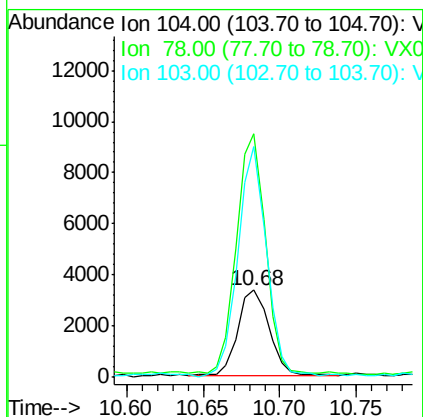
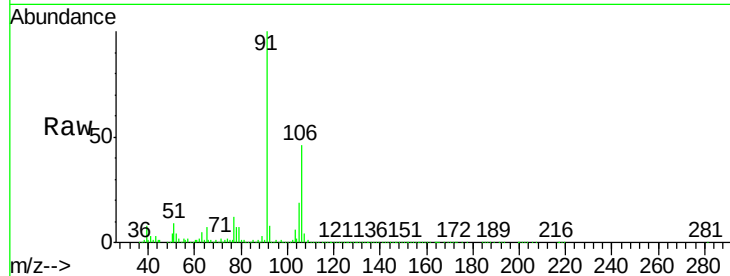




#70  
Stvrene  
Concen: 2.068 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

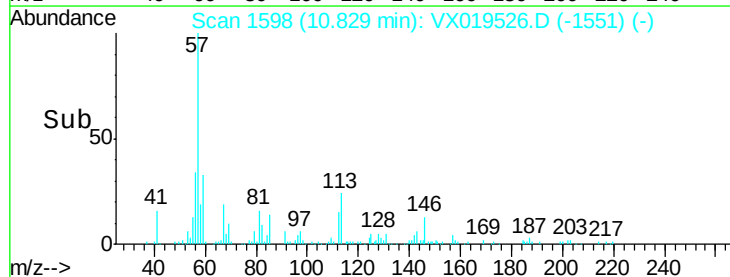
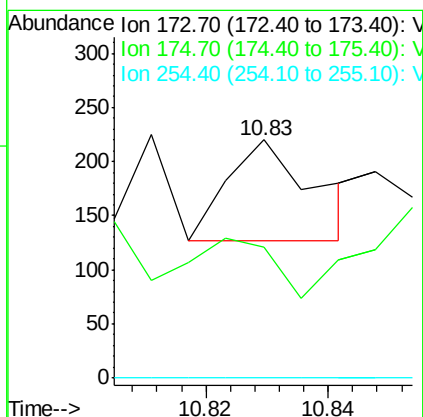
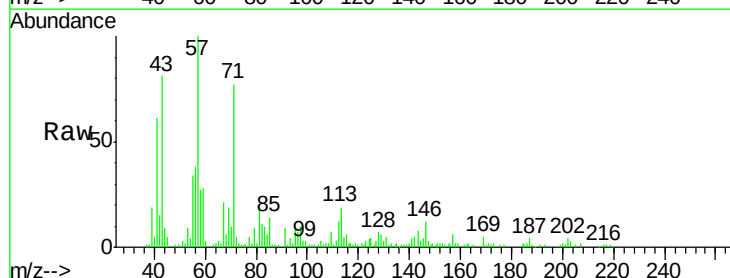
Instrument :  
MSVOA\_X  
ClientSampleId :  
1814

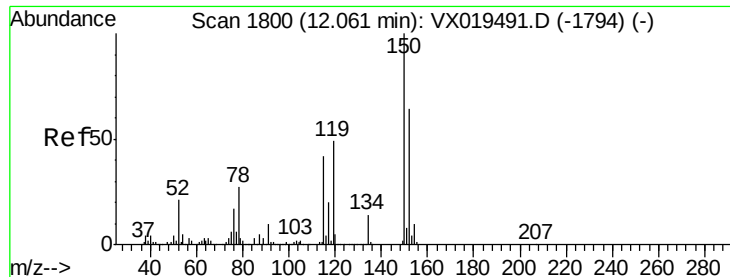
Tot Ion:104 Resp: 4890  
Ion Ratio Lower Upper  
104 100  
78 250.9 39.5 59.3#  
103 241.4 43.6 65.4#



#71  
Bromoform  
Concen: 3.631 ug/l  
RT: 10.83 min Scan# 1598  
Delta R.T. -0.01 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion:173 Resp: 91  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.9 74.8#  
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampleId :

1814

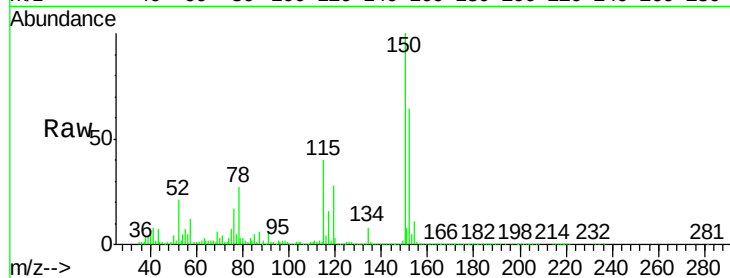
Tot Ion:152 Resp: 226526

Ion Ratio Lower Upper

152 100

115 70.8 41.8 125.4

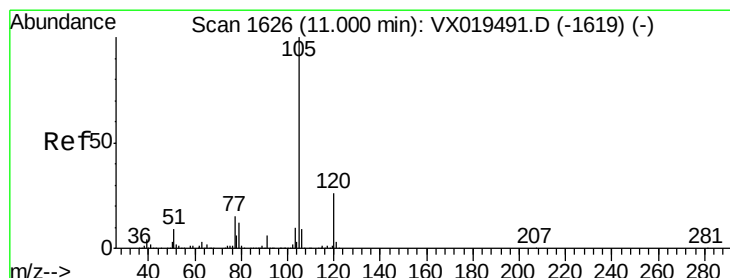
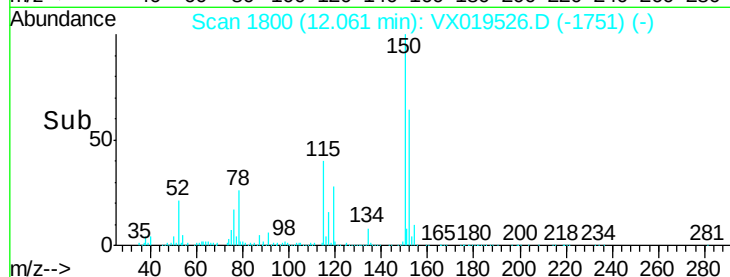
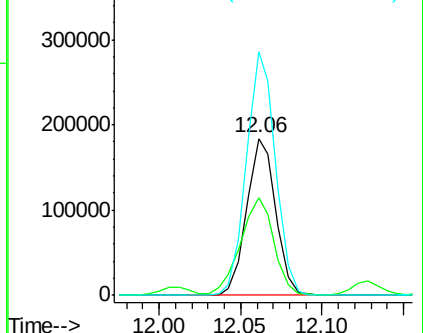
150 156.8 0.0 348.2



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: 1.292 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019526.D

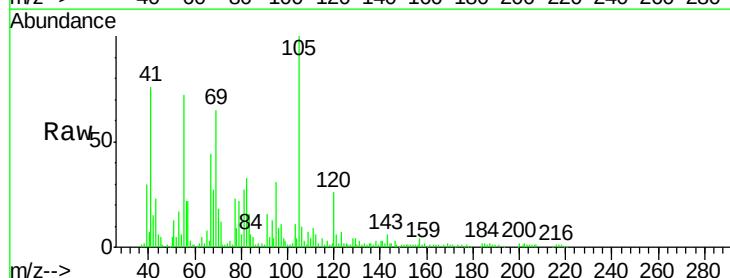
Acq: 21 Nov 2020 04:44

Tgt Ion:105 Resp: 20253

Ion Ratio Lower Upper

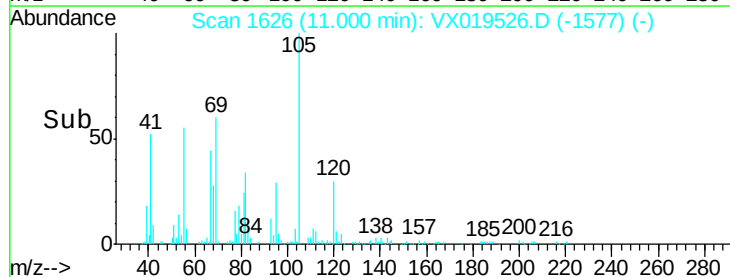
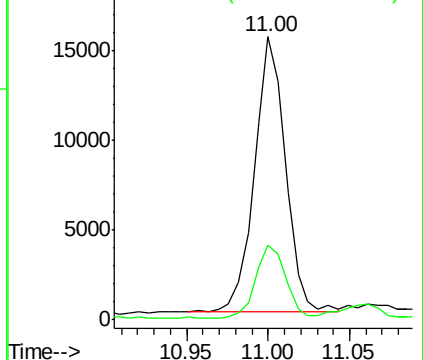
105 100

120 26.1 13.0 39.0

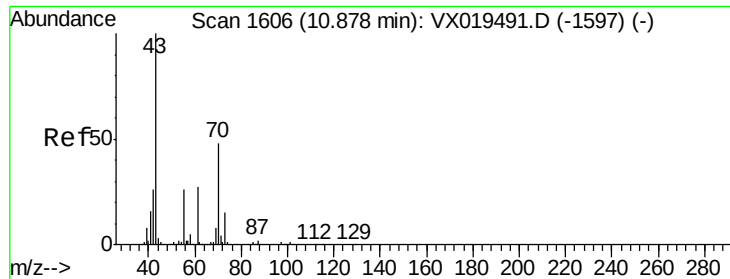


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V







#74

N-amvl acetate

Concen: 25.980 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampleId :  
1814

Tot Ion: 43 Resp: 152554

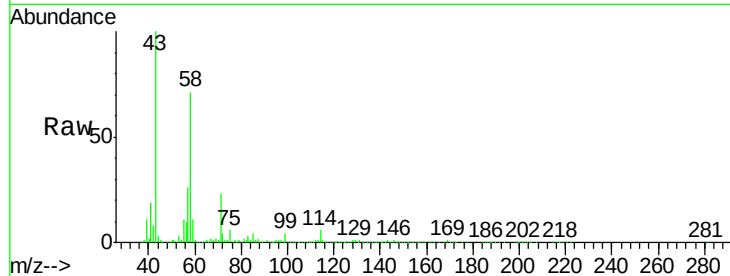
Ion Ratio Lower Upper

43 100

70 2.3 39.7 59.5#

55 0.0 21.8 32.6#

61 0.0 22.2 33.4#

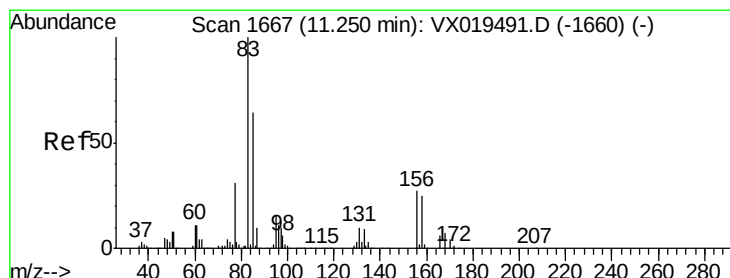
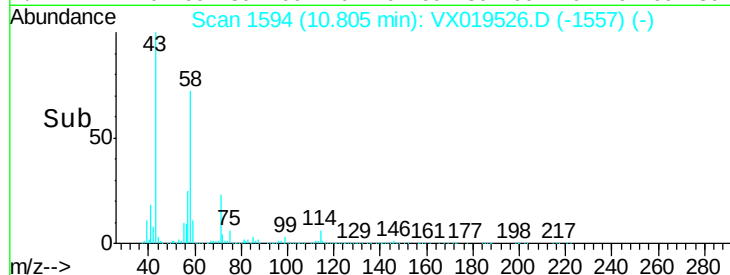
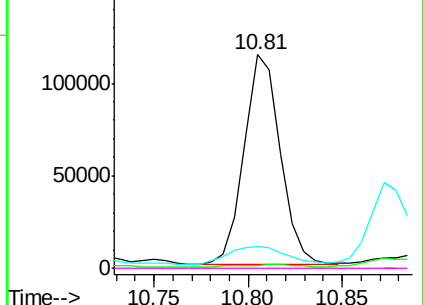


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.600 ug/l

RT: 11.26 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

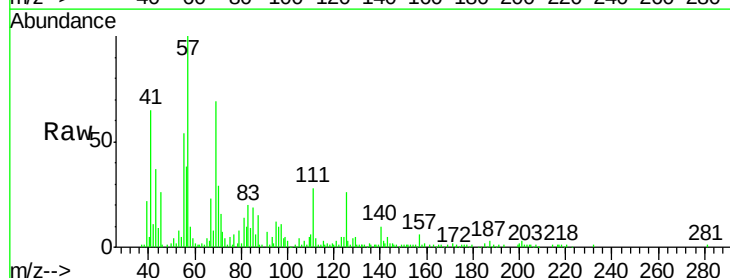
Tgt Ion: 83 Resp: 3365

Ion Ratio Lower Upper

83 100

131 13.6 5.0 15.0

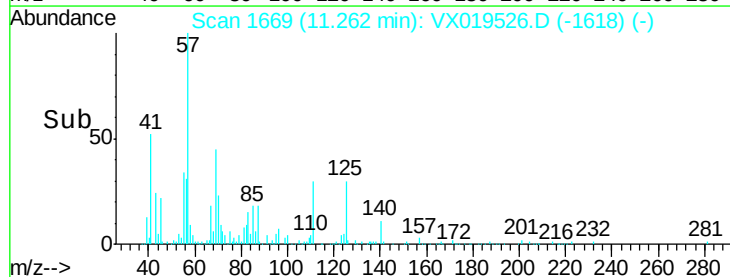
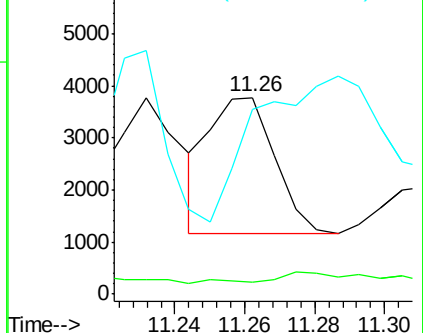
85 0.0 32.4 97.2#

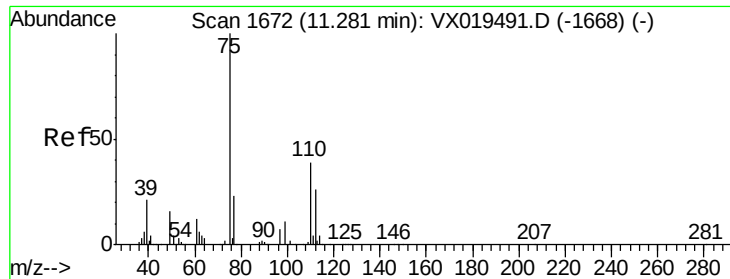


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 25.876 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampled :

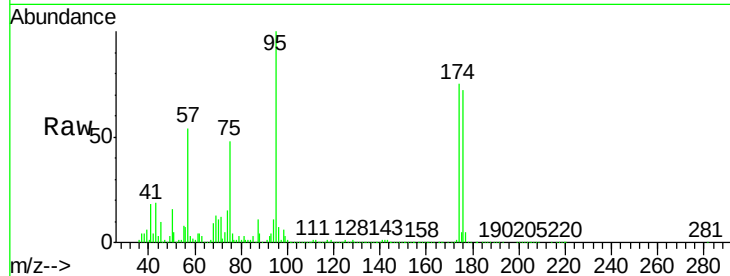
1814

Tot Ion: 75 Resp: 127919

Ion Ratio Lower Upper

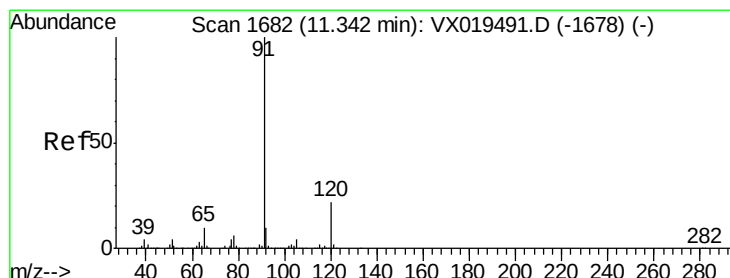
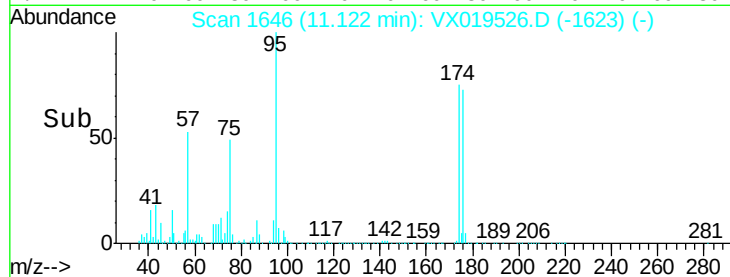
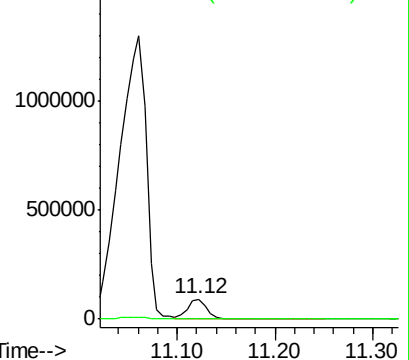
75 100

77 0.0 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 6.547 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019526.D

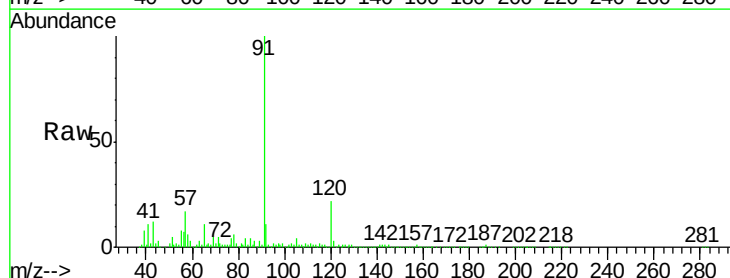
Acq: 21 Nov 2020 04:44

Tgt Ion: 91 Resp: 117694

Ion Ratio Lower Upper

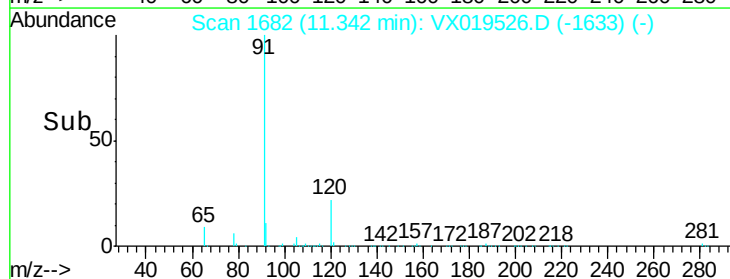
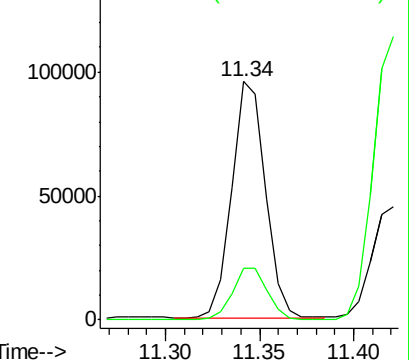
91 100

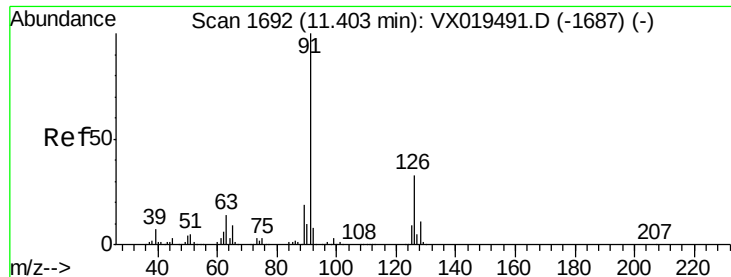
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

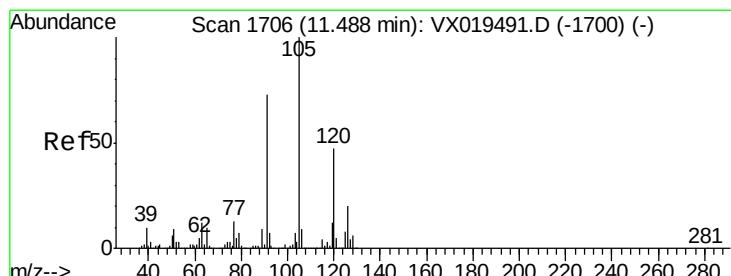
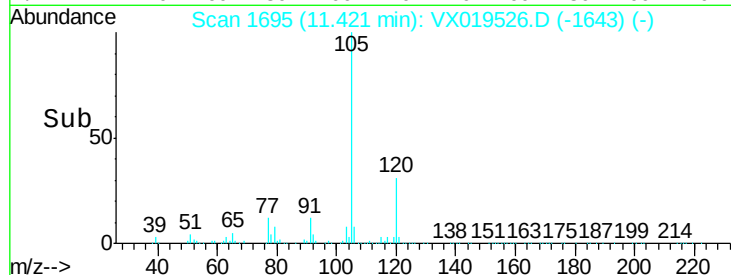
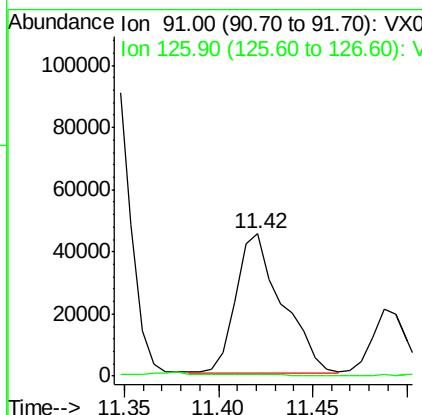
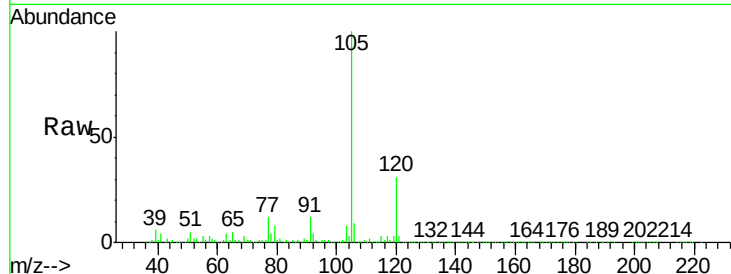




#79  
 2-Chlorotoluene  
 Concen: 6.946 ug/l  
 RT: 11.42 min Scan# 1695  
 Delta R.T. 0.02 min  
 Lab File: VX019526.D  
 Acq: 21 Nov 2020 04:44

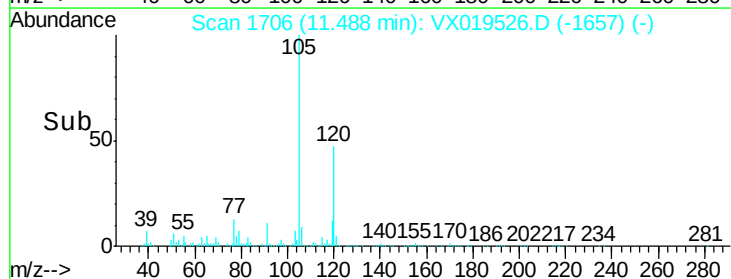
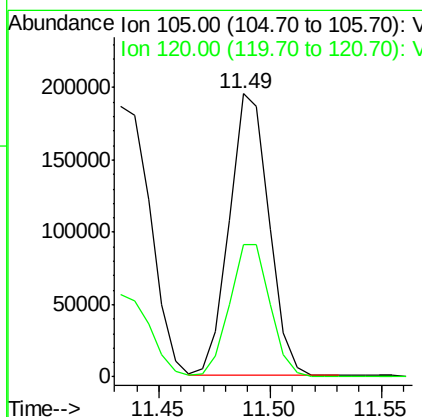
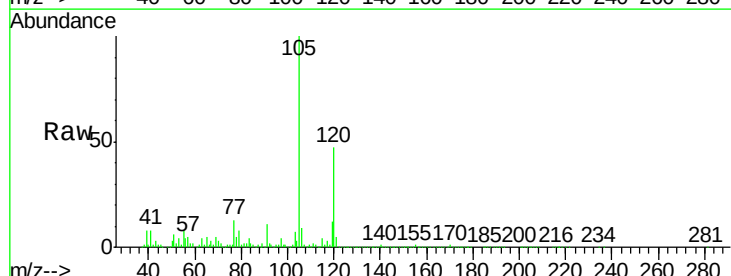
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 1814

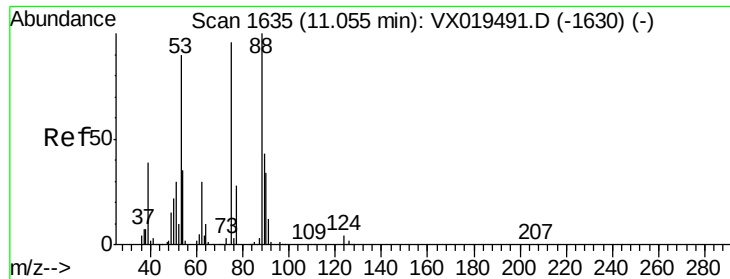
Tot Ion: 91 Resp: 75734  
 Ion Ratio Lower Upper  
 91 100  
 126 0.9 16.7 50.0#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 18.353 ug/l  
 RT: 11.49 min Scan# 1706  
 Delta R.T. -0.00 min  
 Lab File: VX019526.D  
 Acq: 21 Nov 2020 04:44

Tgt Ion: 105 Resp: 241258  
 Ion Ratio Lower Upper  
 105 100  
 120 47.9 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 1245.711 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampled :

1814

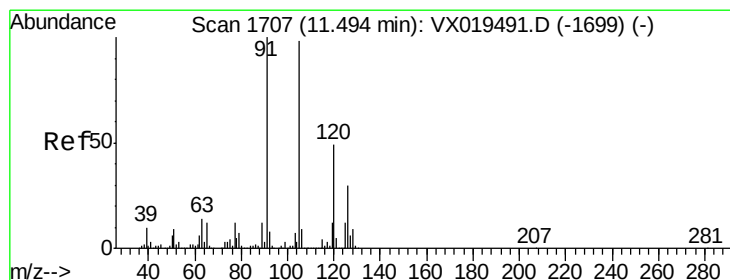
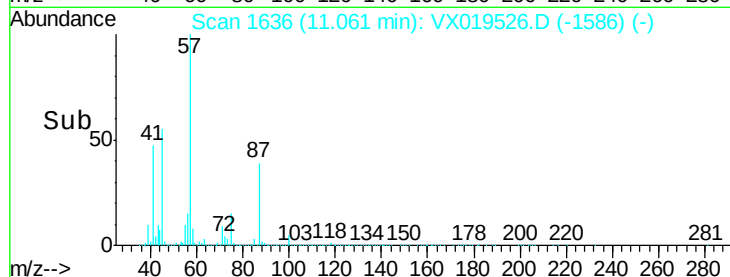
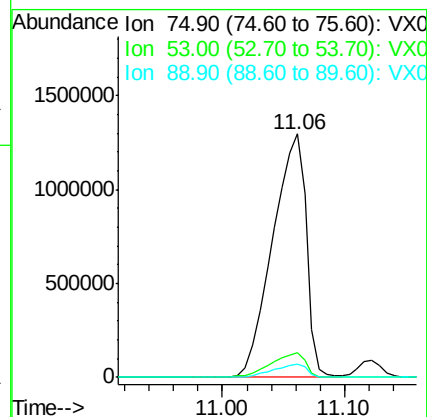
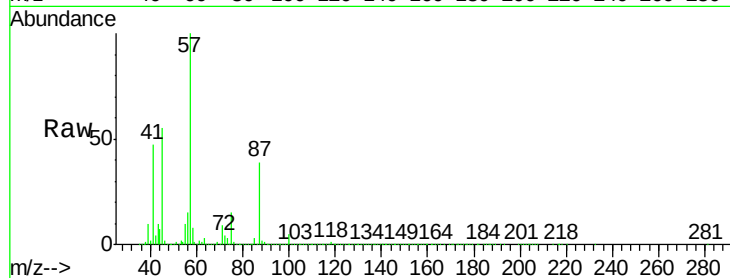
Tot Ion: 75 Resp: 2482479

Ion Ratio Lower Upper

75 100

53 10.5 73.9 110.9#

89 5.5 37.3 55.9#



#82

4-Chlorotoluene

Concen: 2.007 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX019526.D

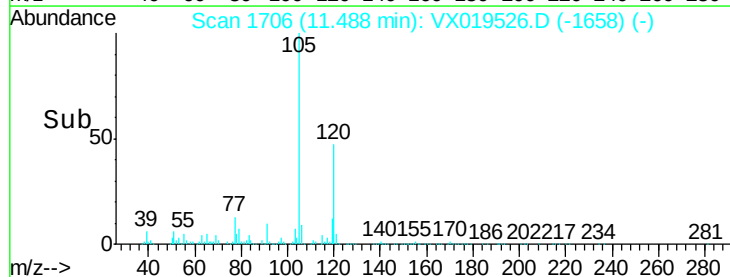
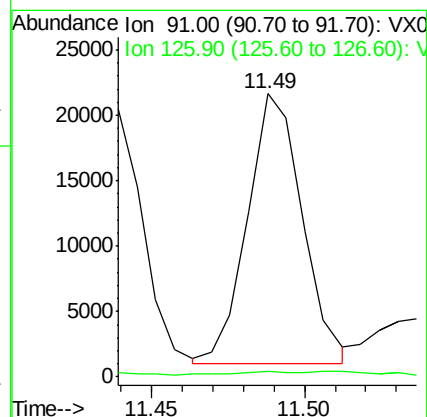
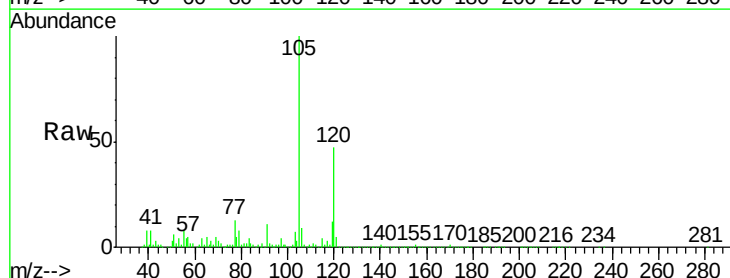
Acq: 21 Nov 2020 04:44

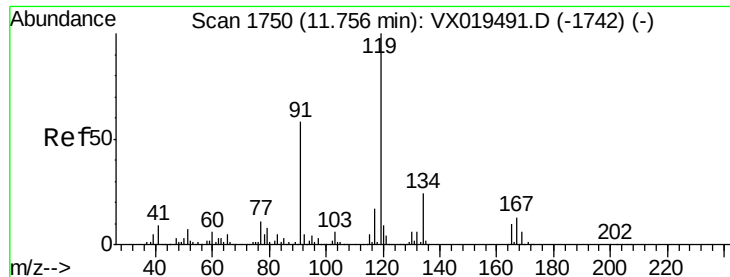
Tgt Ion: 91 Resp: 25761

Ion Ratio Lower Upper

91 100

126 0.9 14.9 44.7#





#83

tert-Butylbenzene

Concen: 10.147 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.04 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampled :  
1814

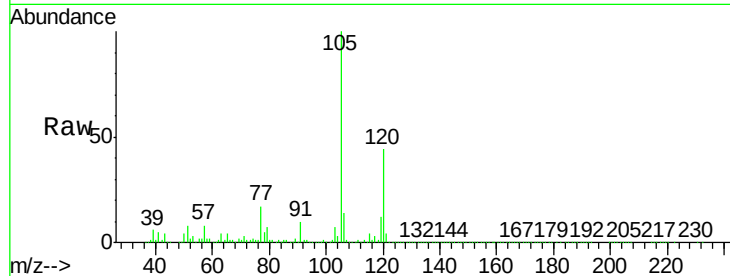
Tot Ion:119 Resp: 129047

Ion Ratio Lower Upper

119 100

91 89.6 28.9 86.8#

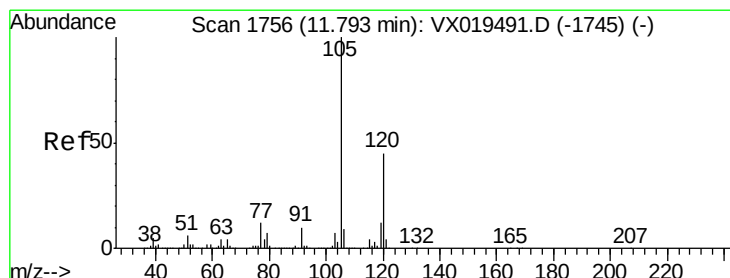
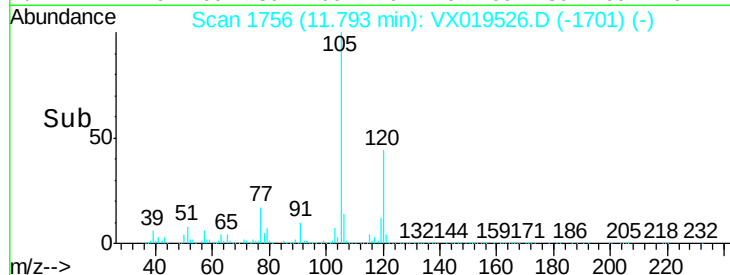
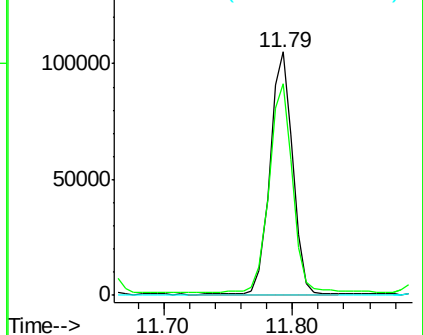
134 0.0 11.7 35.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 83.964 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019526.D

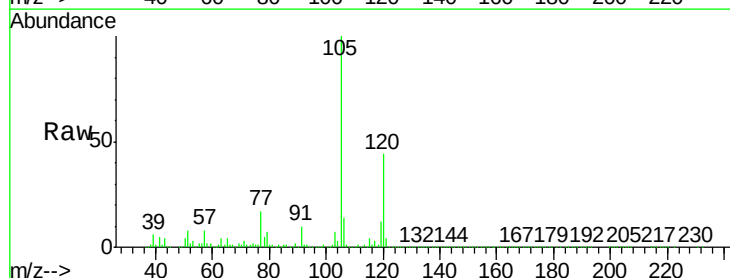
Acq: 21 Nov 2020 04:44

Tgt Ion:105 Resp: 1116804

Ion Ratio Lower Upper

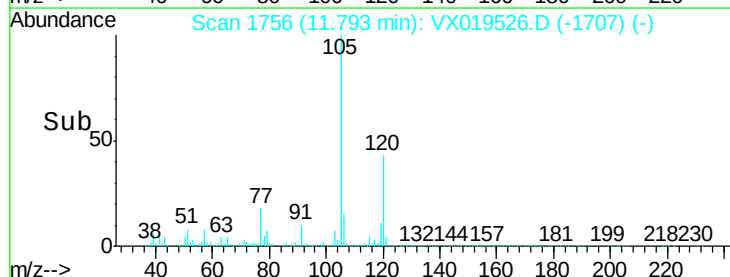
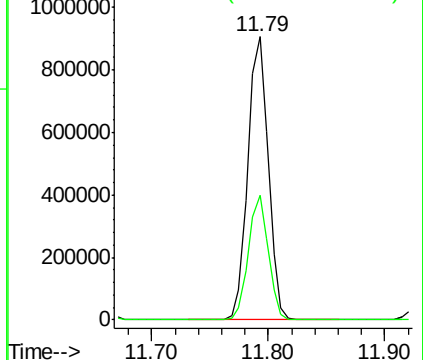
105 100

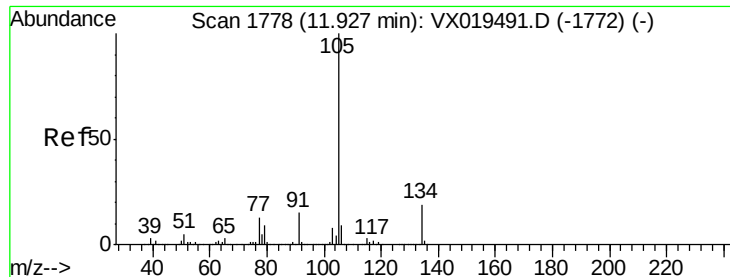
120 42.7 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.754 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

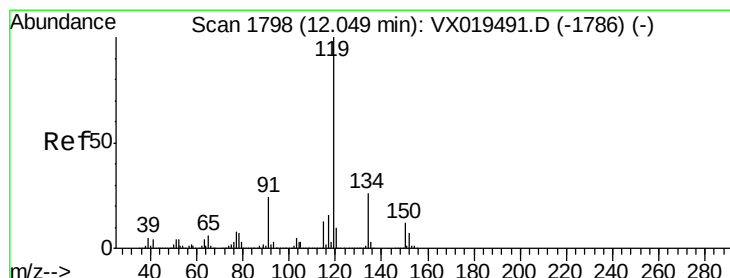
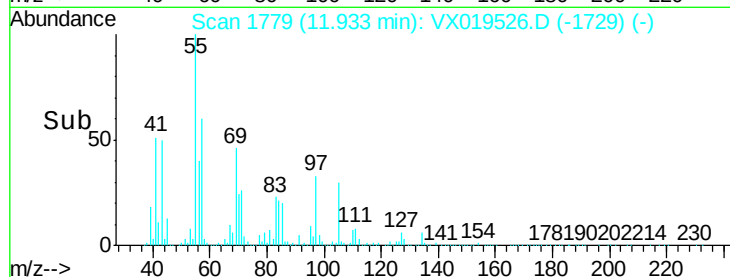
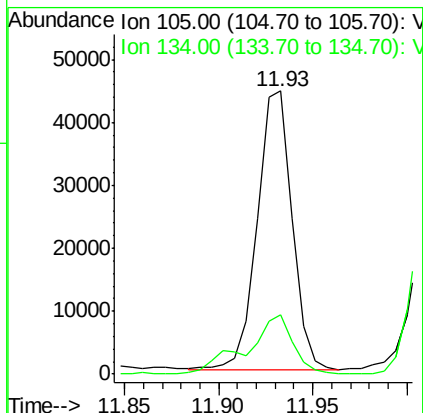
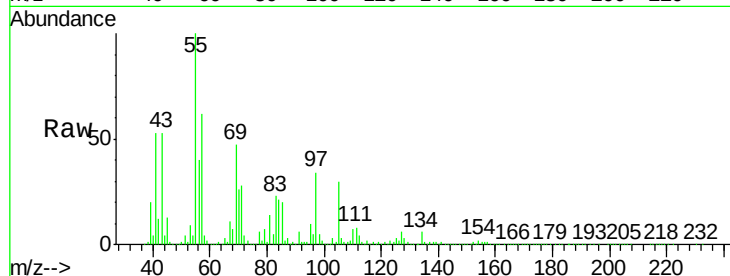
ClientSampled :  
1814

Tot Ion:105 Resp: 56801

Ion Ratio Lower Upper

105 100

134 27.9 10.1 30.3



#86

p-Isopropyltoluene

Concen: 26.589 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

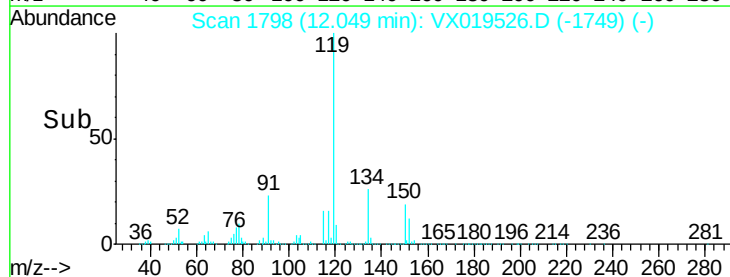
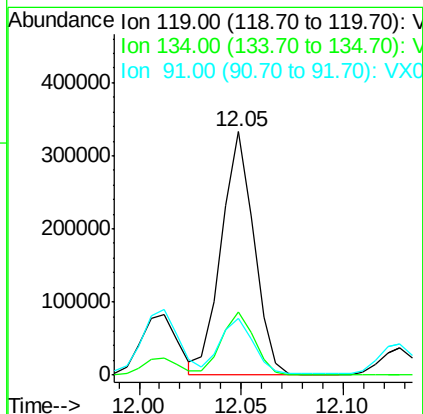
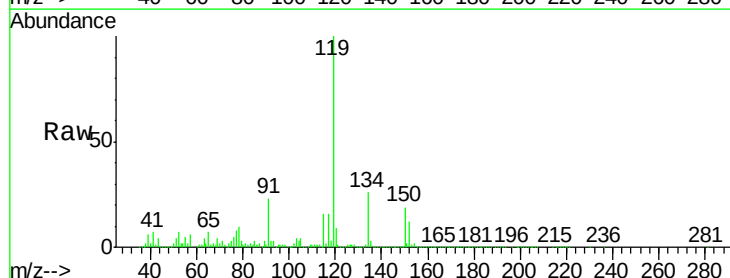
Tgt Ion:119 Resp: 365254

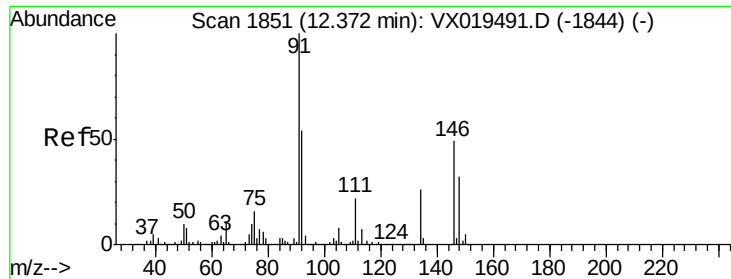
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 23.1 11.8 35.4

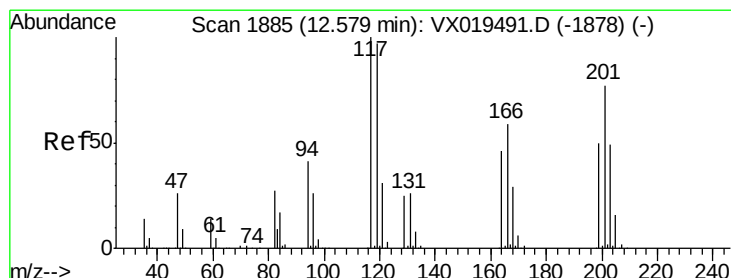
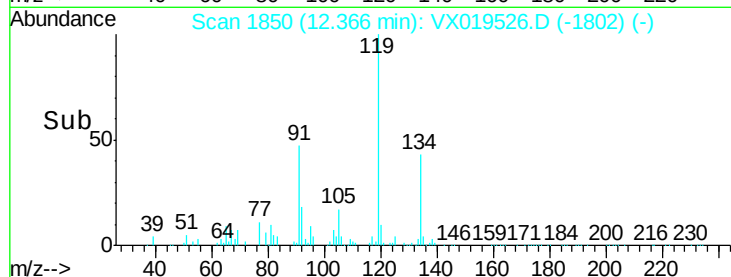
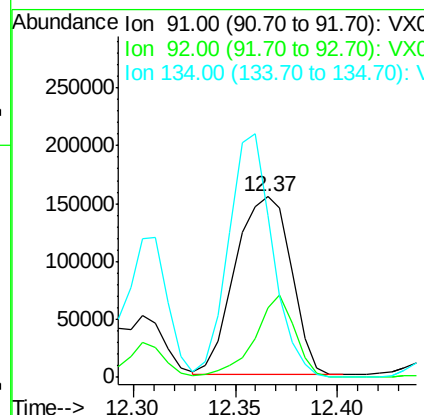
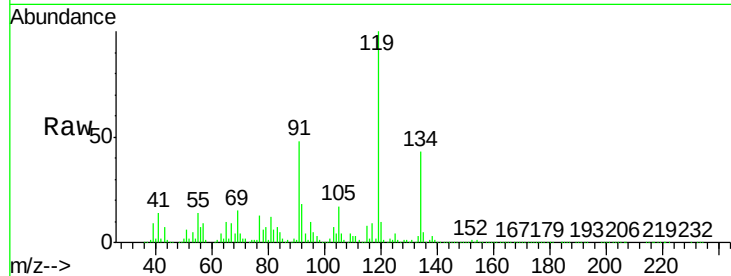




#89  
n-Butylbenzene  
Concen: 23.573 ug/l  
RT: 12.37 min Scan# 1850  
Delta R.T. -0.01 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

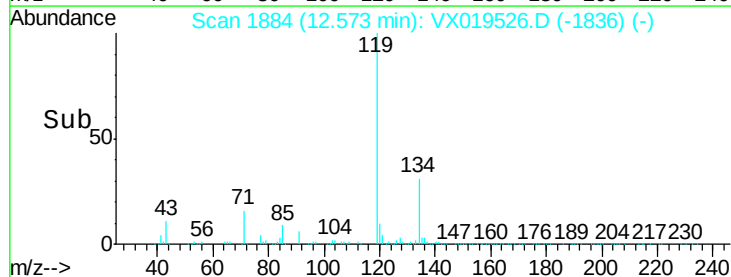
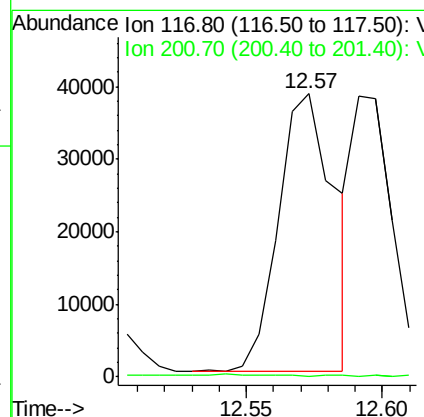
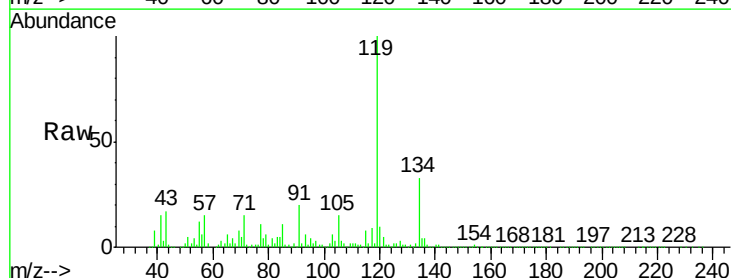
Instrument :  
MSVOA\_X  
ClientSampled :  
1814

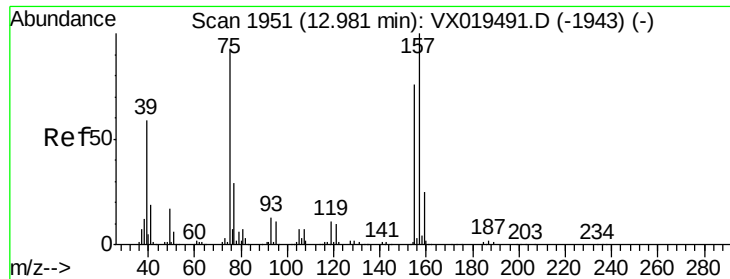
Tot Ion: 91 Resp: 292748  
Ion Ratio Lower Upper  
91 100  
92 32.8 26.9 80.6  
134 106.9 12.9 38.6#



#90  
Hexachloroethane  
Concen: 23.719 ug/l  
RT: 12.57 min Scan# 1884  
Delta R.T. -0.01 min  
Lab File: VX019526.D  
Acq: 21 Nov 2020 04:44

Tgt Ion: 117 Resp: 54522  
Ion Ratio Lower Upper  
117 100  
201 0.4 39.4 118.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.356 ug/l

RT: 12.96 min Scan# 1947

Delta R.T. -0.02 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Instrument :

MSVOA\_X

ClientSampleId :

1814

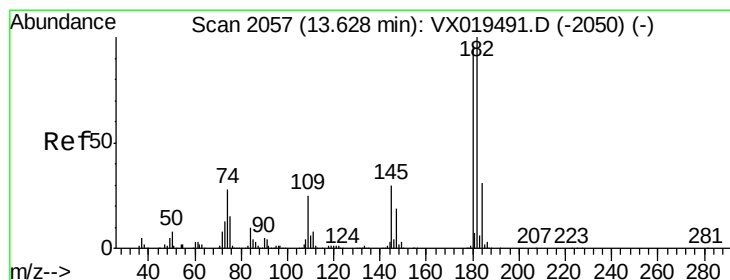
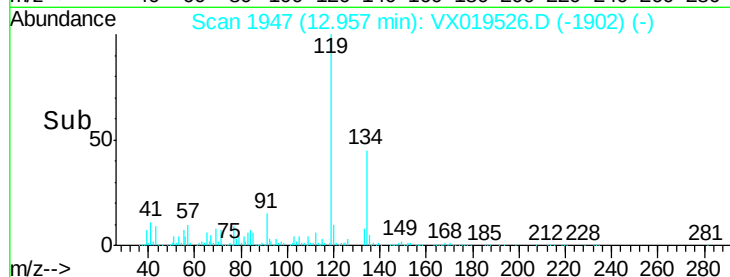
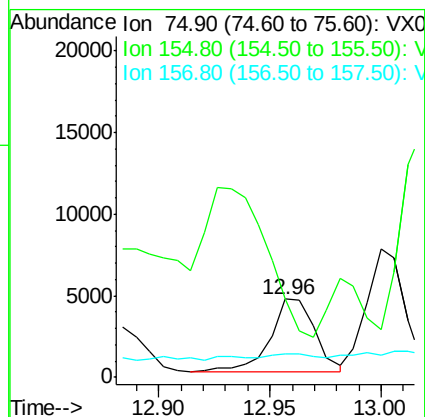
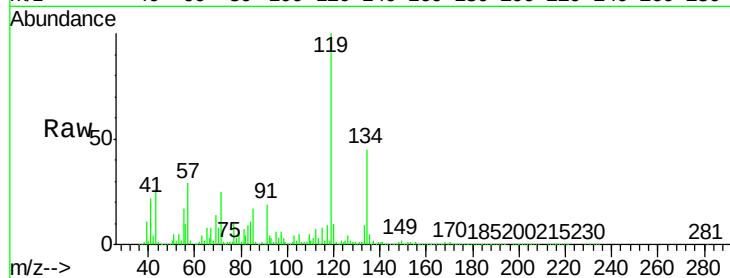
Tot Ion: 75 Resp: 6123

Ion Ratio Lower Upper

75 100

155 0.0 43.6 130.9#

157 6.7 57.0 170.8#



#93

1,2,4-Trichlorobenzene

Concen: 1.060 ug/l

RT: 13.68 min Scan# 2065

Delta R.T. 0.05 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

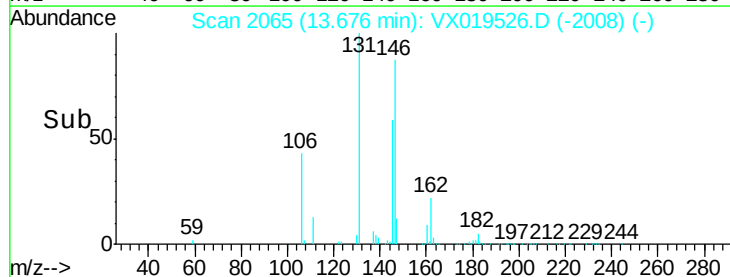
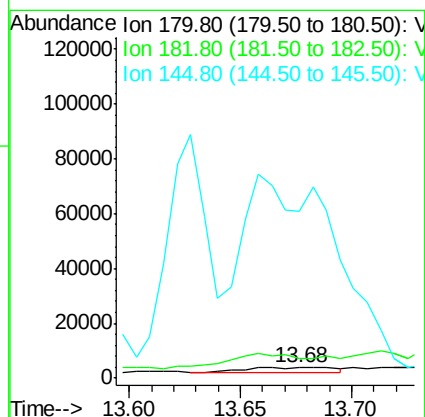
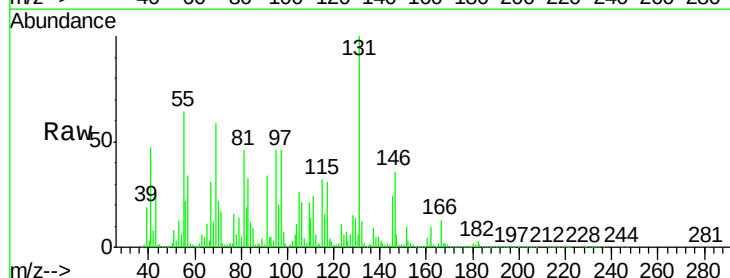
Tgt Ion: 180 Resp: 5022

Ion Ratio Lower Upper

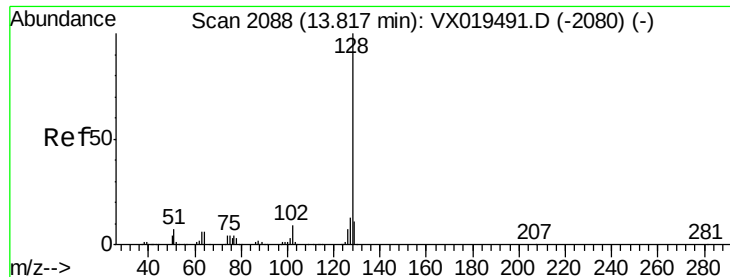
180 100

182 251.8 48.6 145.9#

145 4130.8 15.9 47.7#







#95

Naphthalene

Concen: 84.775 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

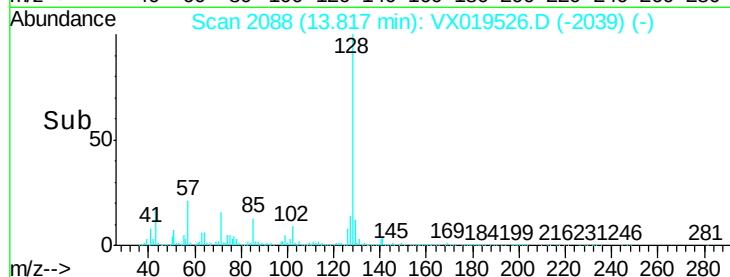
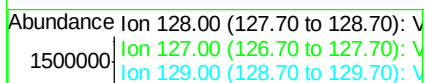
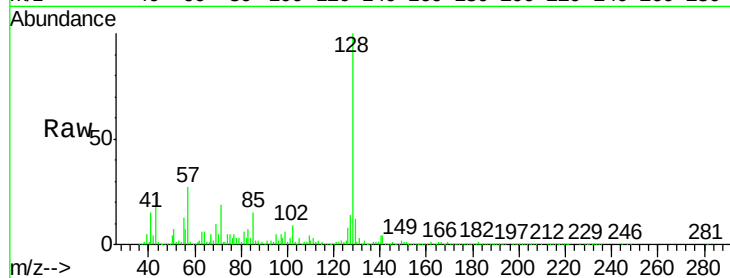
Instrument :

MSVOA\_X

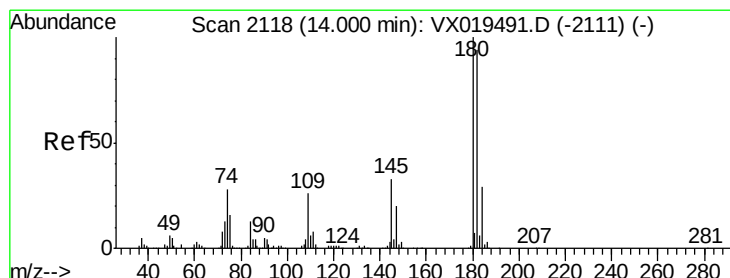
ClientSampleId :  
1814

Tot Ion:128 Resp: 1442938

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.8  | 10.3  | 15.5  |
| 129 | 12.7  | 8.7   | 13.1  |



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 8.229 ug/l

RT: 14.02 min Scan# 2121

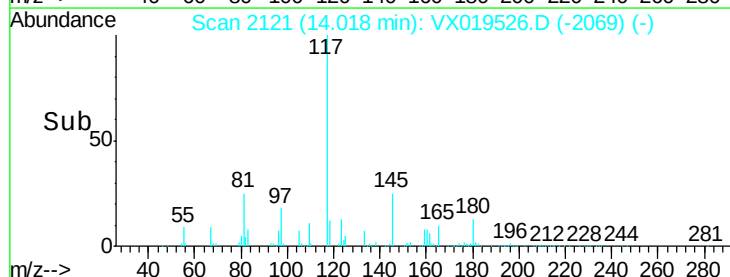
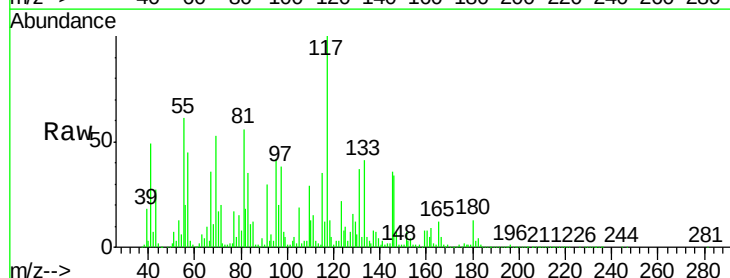
Delta R.T. 0.02 min

Lab File: VX019526.D

Acq: 21 Nov 2020 04:44

Tgt Ion:180 Resp: 38996

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 180 | 100   |       |        |
| 182 | 34.8  | 48.1  | 144.3# |
| 145 | 272.4 | 16.6  | 49.8#  |



Time-->