

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV123020\  
 Data File : VV019874.D  
 Acq On : 30 Dec 2020 12:29  
 Operator : SY/MD  
 Sample : L4485-11  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 31 02:04:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR122920WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 31 02:03:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 281012   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 261125   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.26 | 152  | 123221   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 88914    | 4.40     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 88.00% |
| 7) Chloroethane-d5             | 1.57   | 69    | 77628    | 4.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.00% |
| 11) 1,1-Dichloroethene-d2      | 2.10   | 63    | 142764   | 3.41     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.20% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 191935   | 44.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 89.98% |
| 24) Chloroform-d               | 4.35   | 84    | 159693   | 4.27     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.40% |
| 26) 1,2-Dichloroethane-d4      | 5.04   | 65    | 85714    | 4.54     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.80% |
| 32) Benzene-d6                 | 5.05   | 84    | 324606   | 4.53     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.60% |
| 36) 1,2-Dichloropropane-d6     | 6.07   | 67    | 99401    | 4.62     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.40% |
| 41) Toluene-d8                 | 7.32   | 98    | 279623   | 4.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40% |
| 43) trans-1,3-Dichloropropene- | 7.63   | 79    | 31712    | 4.23     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.60% |
| 46) 2-Hexanone-d5              | 8.10   | 63    | 118092   | 39.14    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 78.28% |
| 56) 1,1,2,2-Tetrachloroethane- | 10.23  | 84    | 54584    | 4.06     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 81.20% |
| 66) 1,2-Dichlorobenzene-d4     | 11.63  | 152   | 88947    | 4.65     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.00% |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.13 | 85   | 6137     | 0.228 | ug/L   | 97     |
| 3) Chloromethane               | 1.24 | 50   | 7010     | 0.236 | ug/L   | 96     |
| 5) Vinyl chloride              | 1.31 | 62   | 7094     | 0.243 | ug/L # | 76     |
| 6) Bromomethane                | 1.52 | 94   | 4354     | 0.255 | ug/L   | 91     |
| 8) Chloroethane                | 1.58 | 64   | 4035     | 0.226 | ug/L   | 97     |
| 9) Trichlorofluoromethane      | 1.75 | 101  | 7794     | 0.220 | ug/L   | 95     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11 | 101  | 5616     | 0.295 | ug/L # | 86     |
| 12) 1,1-Dichloroethene         | 2.12 | 96   | 5439     | 0.279 | ug/L # | 1      |
| 14) Carbon disulfide           | 2.29 | 76   | 14747    | 0.219 | ug/L # | 94     |
| 15) Methyl Acetate             | 2.46 | 43   | 1308     | 0.164 | ug/L   | 100    |
| 16) Methylene chloride         | 2.51 | 84   | 7421     | 0.313 | ug/L   | 99     |
| 17) Methyl tert-butyl Ether    | 2.78 | 73   | 9510     | 0.195 | ug/L   | 98     |
| 18) trans-1,2-Dichloroethene   | 2.76 | 96   | 4513     | 0.205 | ug/L   | 97     |
| 19) 1,1-Dichloroethane         | 3.19 | 63   | 9083     | 0.213 | ug/L   | 99     |
| 22) cis-1,2-Dichloroethene     | 3.93 | 96   | 4752     | 0.208 | ug/L   | 87     |
| 23) Bromochloromethane         | 4.25 | 128  | 820      | 0.090 | ug/L # | 82     |
| 25) Chloroform                 | 4.39 | 83   | 18287    | 0.432 | ug/L   | 92     |

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 Quant Title : TRACE VOA SFAM1.0  
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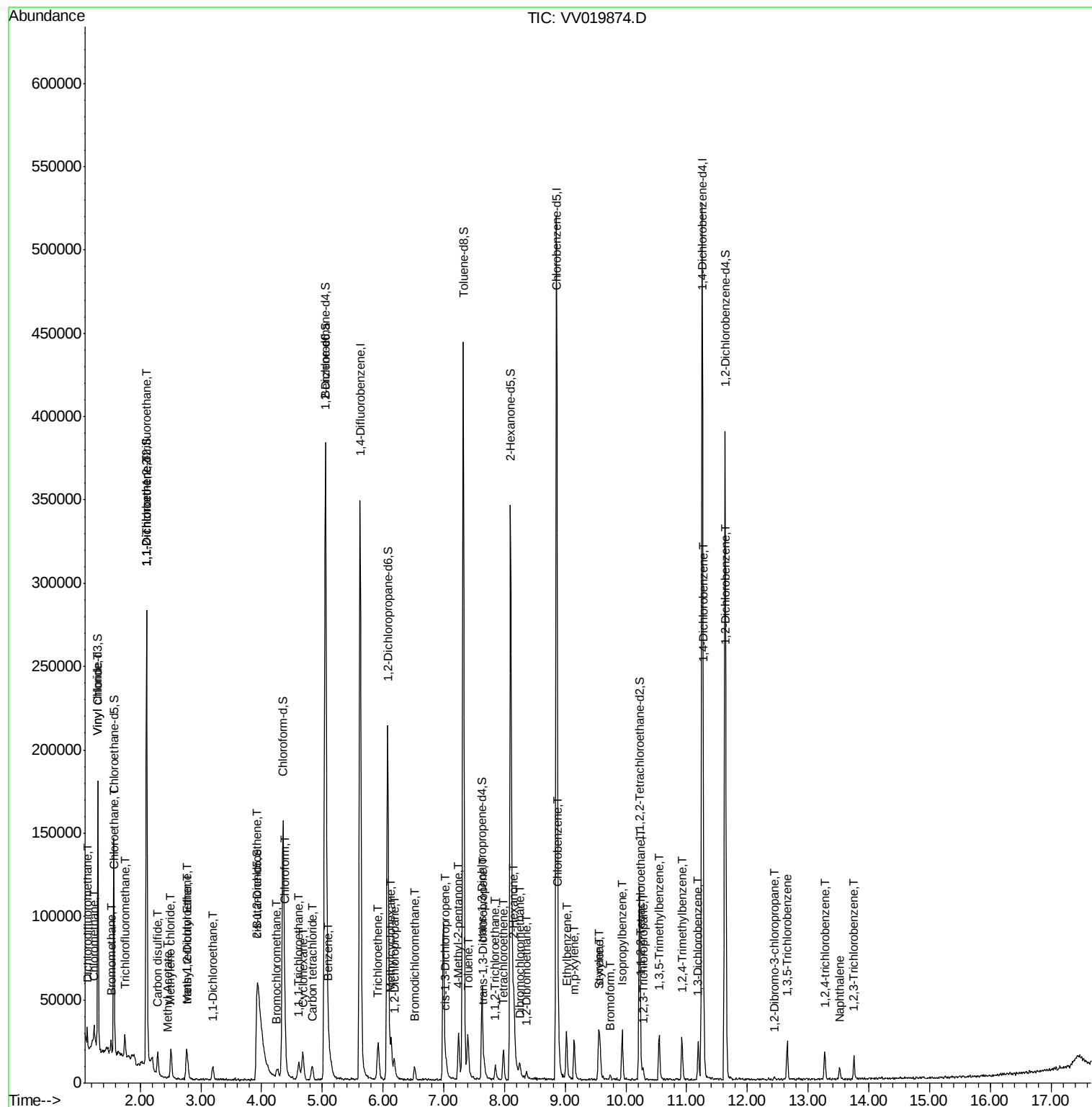
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 29) 1,1,1-Trichloroethane      | 4.61  | 97   | 7255     | 0.204 | ug/L   | 98       |
| 30) Cyclohexane                | 4.68  | 56   | 7749     | 0.216 | ug/L   | 93       |
| 31) Carbon tetrachloride       | 4.83  | 117  | 5899     | 0.203 | ug/L   | 93       |
| 33) Benzene                    | 5.11  | 78   | 18972    | 0.217 | ug/L   | 100      |
| 34) Trichloroethene            | 5.92  | 95   | 5820     | 0.249 | ug/L   | 96       |
| 35) Methylcyclohexane          | 6.14  | 83   | 7747     | 0.222 | ug/L   | 98       |
| 37) 1,2-Dichloropropane        | 6.18  | 63   | 4174     | 0.190 | ug/L # | 91       |
| 38) Bromodichloromethane       | 6.52  | 83   | 5699     | 0.211 | ug/L # | 94       |
| 39) cis-1,3-Dichloropropene    | 7.04  | 75   | 5964     | 0.198 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone       | 7.24  | 43   | 20815    | 1.681 | ug/L # | 87       |
| 42) Toluene                    | 7.40  | 91   | 17764    | 0.200 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene  | 7.66  | 75   | 4221     | 0.171 | ug/L   | 91       |
| 45) 1,1,2-Trichloroethane      | 7.86  | 97   | 2570     | 0.181 | ug/L   | 88       |
| 47) Tetrachloroethene          | 7.98  | 164  | 3542     | 0.223 | ug/L   | 91       |
| 48) 2-Hexanone                 | 8.15  | 43   | 31737    | 3.698 | ug/L # | 94       |
| 49) Dibromochloromethane       | 8.25  | 129  | 2995     | 0.195 | ug/L   | 100      |
| 50) 1,2-Dibromoethane          | 8.36  | 107  | 2577     | 0.200 | ug/L # | 87       |
| 51) Chlorobenzene              | 8.89  | 112  | 11326    | 0.202 | ug/L   | 92       |
| 52) Ethylbenzene               | 9.02  | 91   | 20267    | 0.206 | ug/L   | 96       |
| 53) m,p-xylene                 | 9.15  | 106  | 6786     | 0.189 | ug/L   | 98       |
| 54) o-xylene                   | 9.55  | 106  | 6386     | 0.185 | ug/L   | 98       |
| 55) Styrene                    | 9.57  | 104  | 10146    | 0.174 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane  | 10.25 | 83   | 3371     | 0.225 | ug/L   | 100      |
| 59) Bromoform                  | 9.74  | 173  | 1153     | 0.172 | ug/L # | 90       |
| 60) Isopropylbenzene           | 9.94  | 105  | 17950    | 0.200 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane     | 10.28 | 75   | 2775     | 0.233 | ug/L # | 91       |
| 62) 1,3,5-Trimethylbenzene     | 10.54 | 105  | 14406    | 0.194 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene     | 10.92 | 105  | 14471    | 0.192 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene        | 11.19 | 146  | 7944     | 0.202 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene        | 11.28 | 146  | 9170     | 0.232 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene        | 11.65 | 146  | 7830     | 0.216 | ug/L # | 90       |
| 68) 1,2-Dibromo-3-chloropropan | 12.43 | 75   | 436      | 0.177 | ug/L # | 83       |
| 69) 1,3,5-Trichlorobenzene     | 12.65 | 180  | 6451     | 0.221 | ug/L   | 92       |
| 70) 1,2,4-trichlorobenzene     | 13.28 | 180  | 4252     | 0.179 | ug/L   | 95       |
| 71) Naphthalene                | 13.52 | 128  | 4927     | 0.137 | ug/L # | 94       |
| 72) 1,2,3-Trichlorobenzene     | 13.76 | 180  | 3483     | 0.172 | ug/L   | 100      |

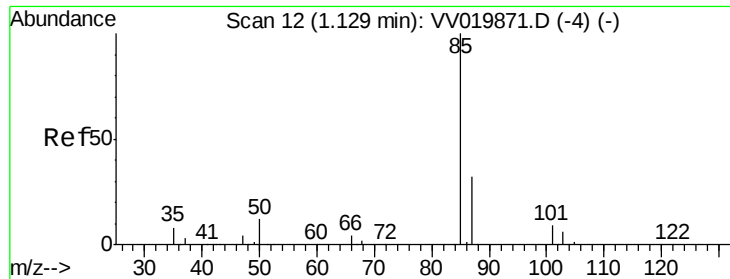
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.228 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

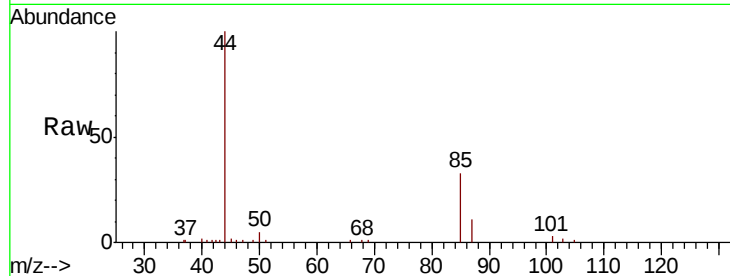
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 85 Resp: 6137

Ion Ratio Lower Upper

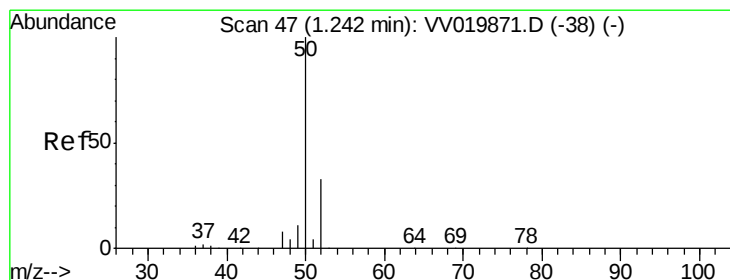
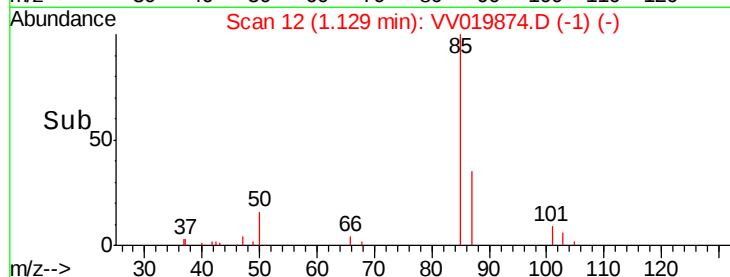
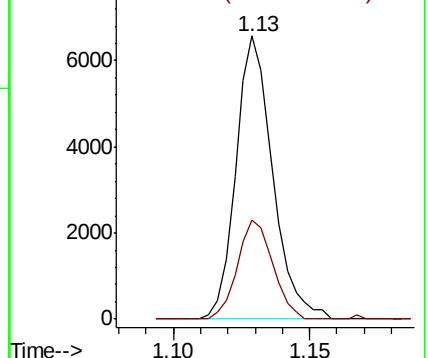
85 100

87 33.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.236 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019874.D

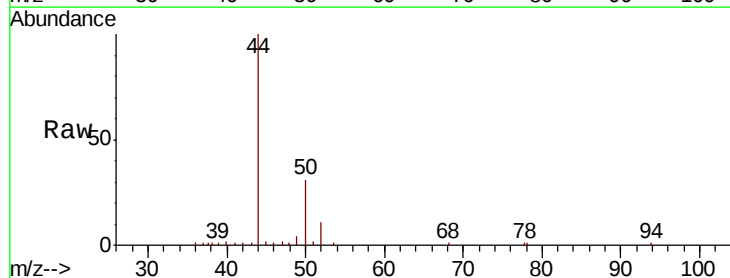
Acq: 30 Dec 2020 12:29

Tgt Ion: 50 Resp: 7010

Ion Ratio Lower Upper

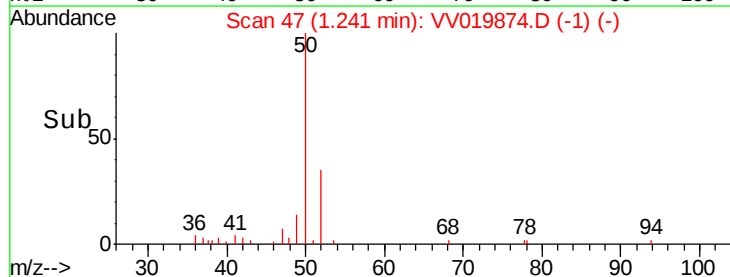
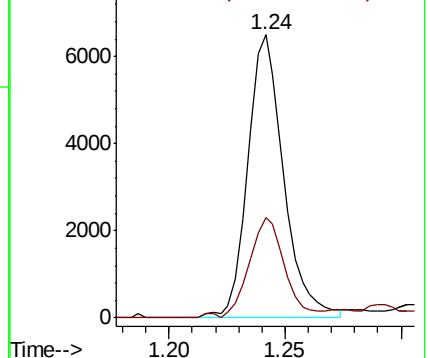
50 100

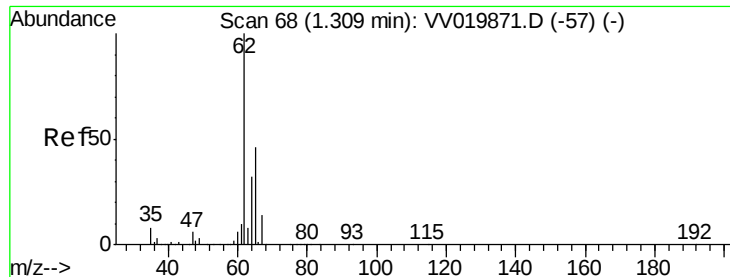
52 35.4 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.243 ug/L

RT: 1.31 min Scan# 68

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA\_V

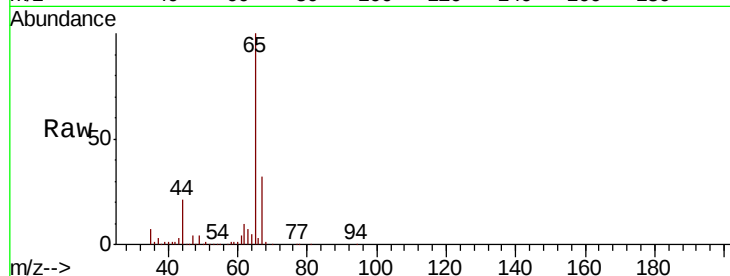
ClientSampleId :

Tot Ion: 62 Resp: 7094

Ion Ratio Lower Upper

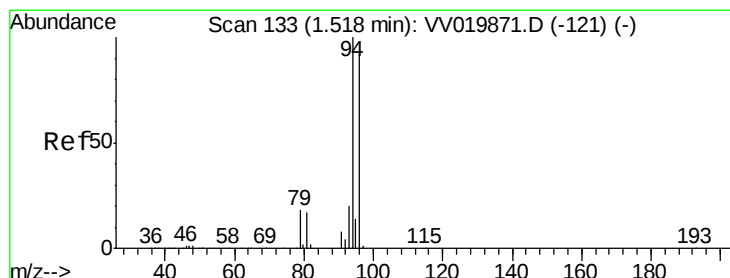
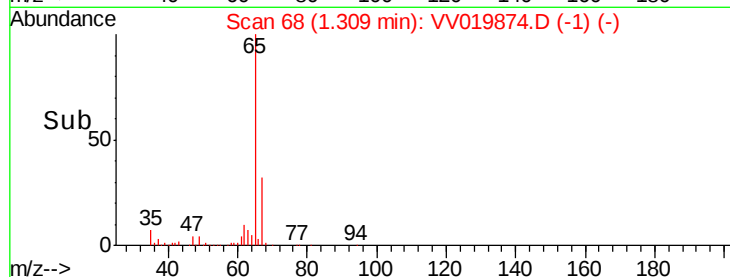
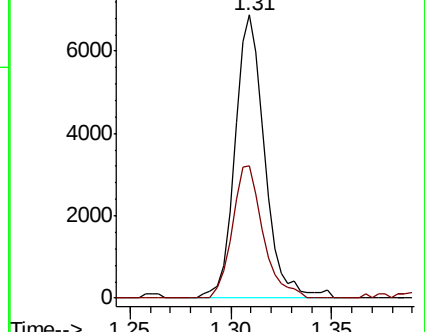
62 100

64 46.6 23.2 43.2#



Abundance Ion 62.00 (61.70 to 62.70): VV019871.D (-57) (-)

Ion 64.10 (63.80 to 64.80): VV019871.D (-57) (-)



#6

Bromomethane

Concen: 0.255 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV019874.D

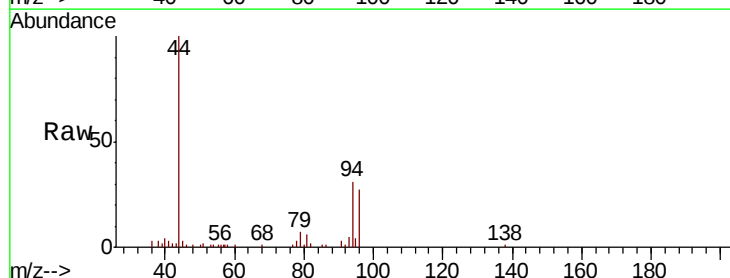
Acq: 30 Dec 2020 12:29

Tgt Ion: 94 Resp: 4354

Ion Ratio Lower Upper

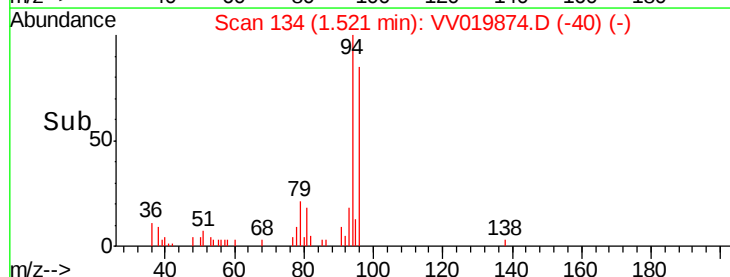
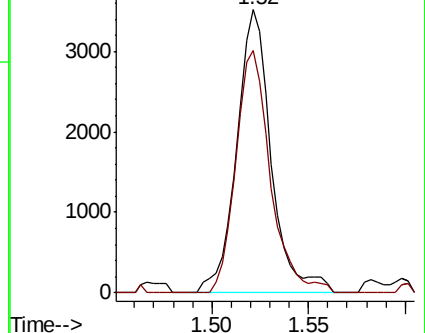
94 100

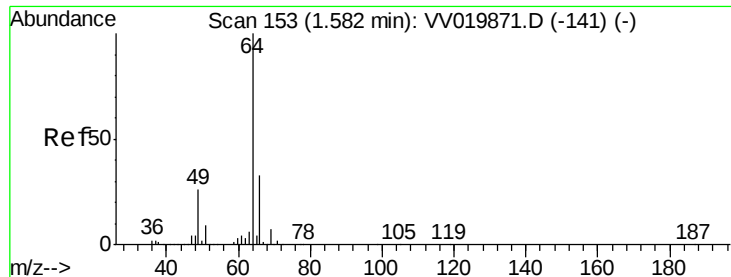
96 85.4 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV019871.D (-121) (-)

Ion 96.00 (95.70 to 96.70): VV019871.D (-121) (-)





#8

Chloroethane

Concen: 0.226 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA\_V

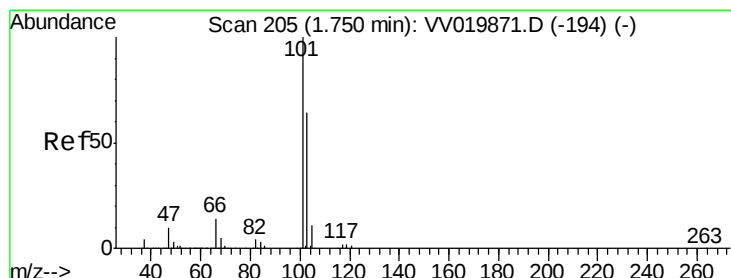
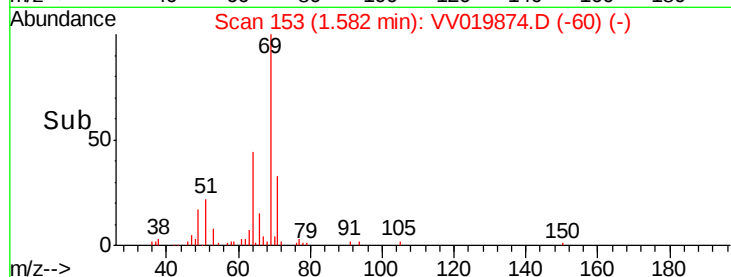
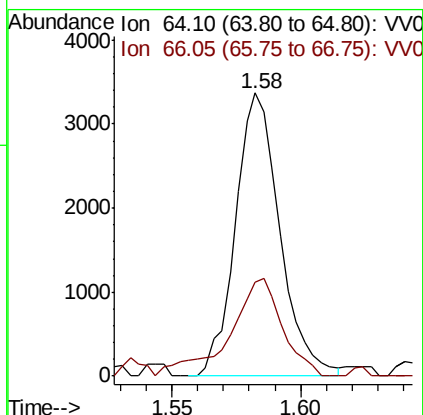
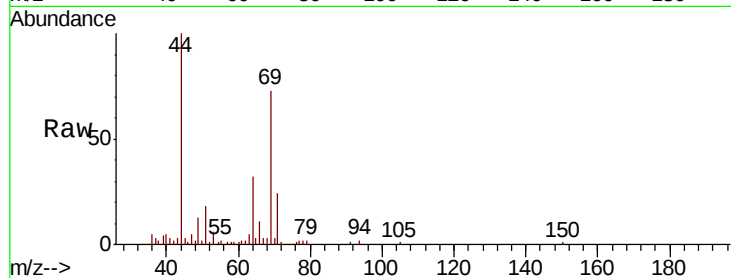
ClientSampleId :

Tot Ion: 64 Resp: 4035

Ion Ratio Lower Upper

64 100

66 33.2 22.0 40.8



#9

Trichlorofluoromethane

Concen: 0.220 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.00 min

Lab File: VV019874.D

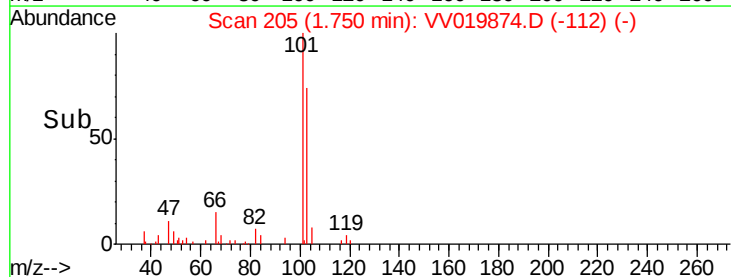
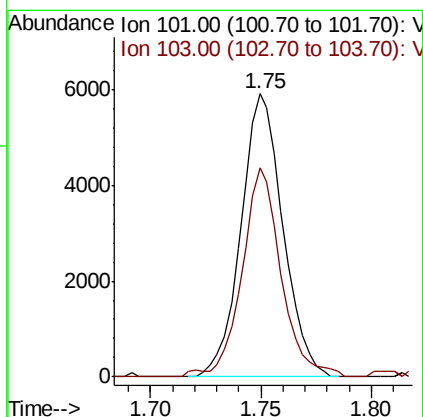
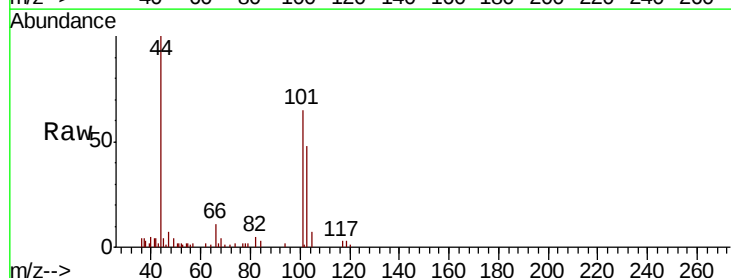
Acq: 30 Dec 2020 12:29

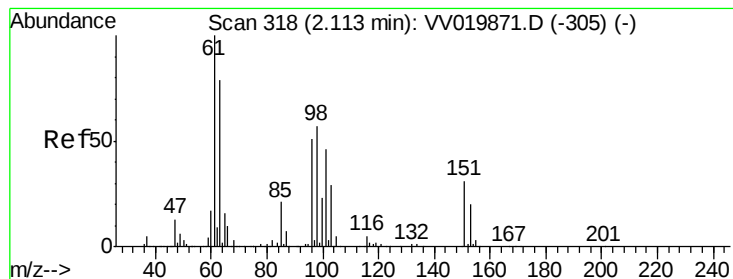
Tgt Ion: 101 Resp: 7794

Ion Ratio Lower Upper

101 100

103 69.0 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.295 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA\_V

ClientSampleId :

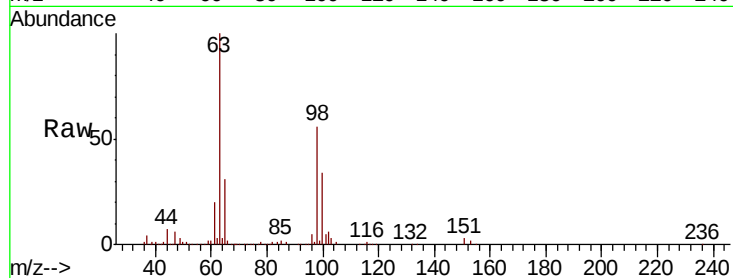
Tot Ion:101 Resp: 5616

Ion Ratio Lower Upper

101 100

85 39.2 36.4 54.6

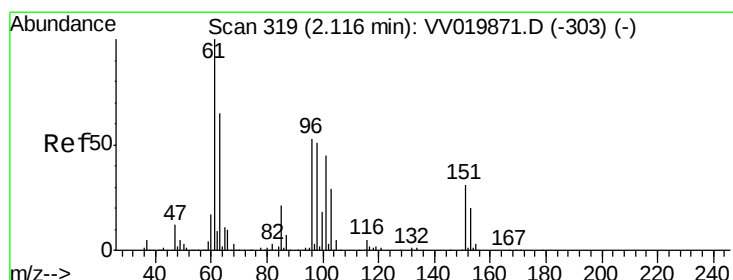
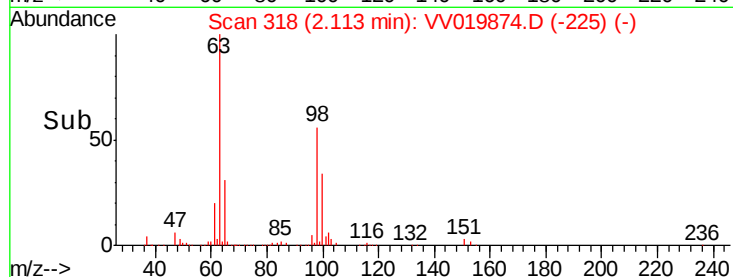
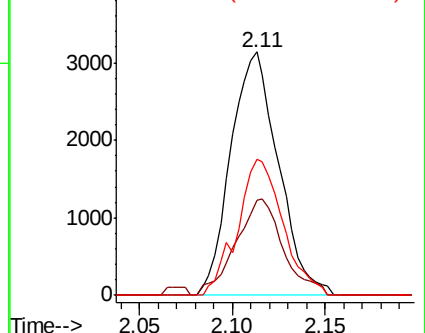
151 53.5 54.1 81.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.279 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

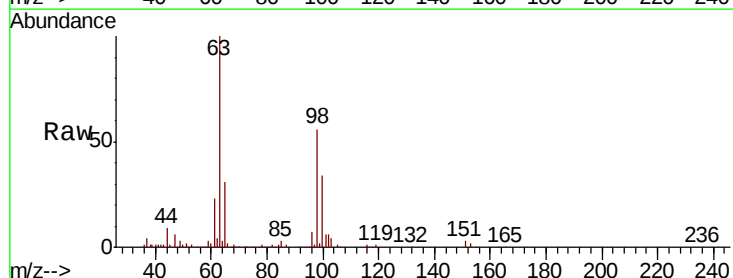
Tgt Ion: 96 Resp: 5439

Ion Ratio Lower Upper

96 100

61 338.5 131.5 244.1#

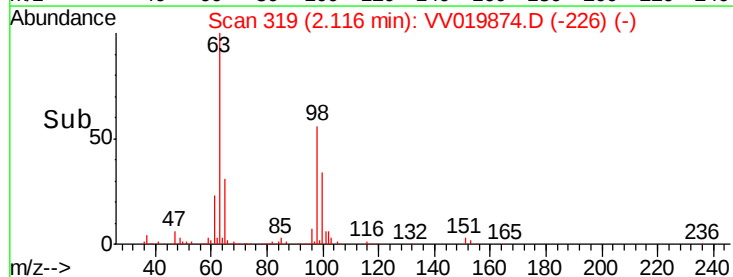
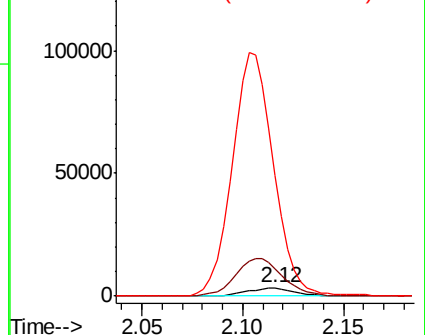
63 1479.3 95.2 176.8#

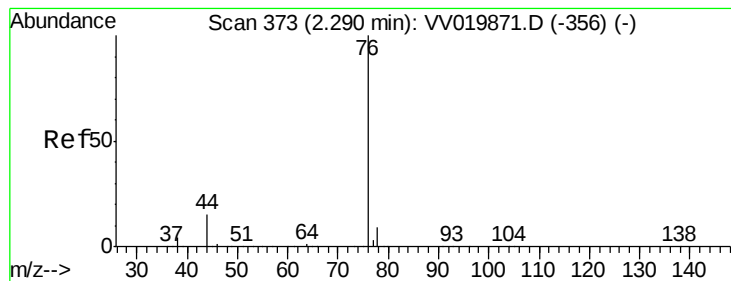


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.219 ug/L

RT: 2.29 min Scan# 373

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA\_V

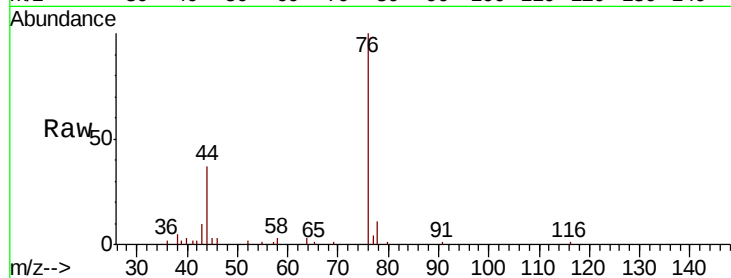
ClientSampled :

Tot Ion: 76 Resp: 14747

Ion Ratio Lower Upper

76 100

78 11.2 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

10000

8000

6000

4000

2000

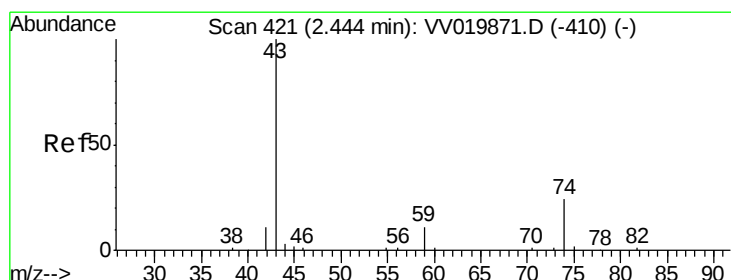
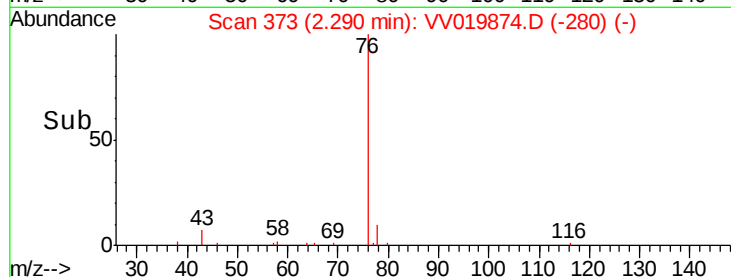
0

Time-->

2.25

2.30

2.35



#15

Methyl Acetate

Concen: 0.164 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.01 min

Lab File: VV019874.D

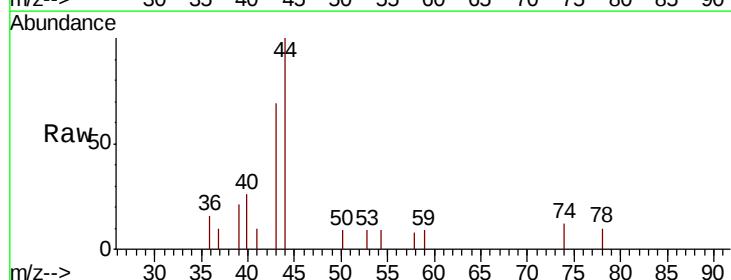
Acq: 30 Dec 2020 12:29

Tgt Ion: 43 Resp: 1308

Ion Ratio Lower Upper

43 100

74 13.5 10.6 16.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

1000

800

600

400

200

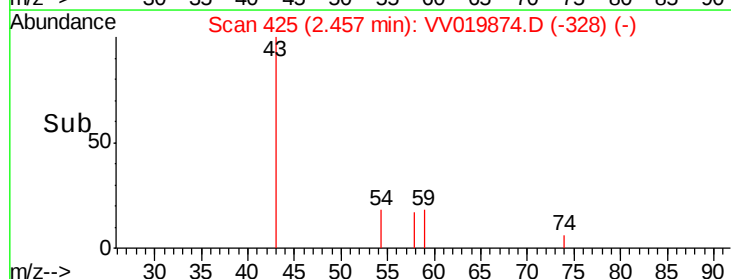
0

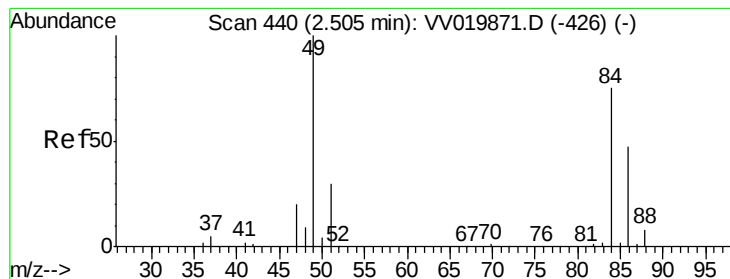
Time-->

2.40

2.45

2.50





#16

Methylene chloride

Concen: 0.313 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA\_V

ClientSampleId :

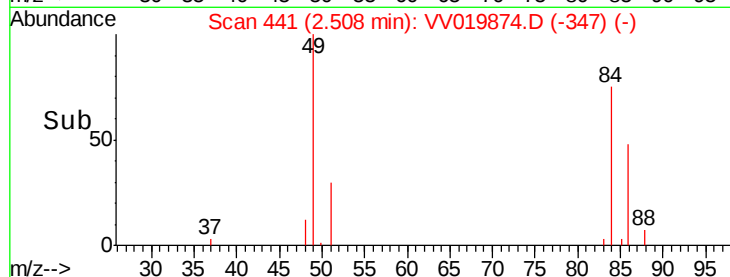
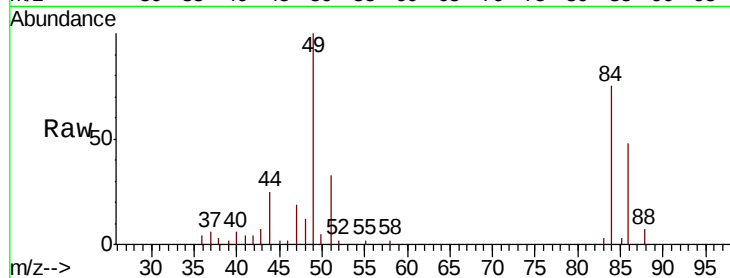
Tot Ion: 84 Resp: 7421

Ion Ratio Lower Upper

84 100

86 64.0 42.8 79.4

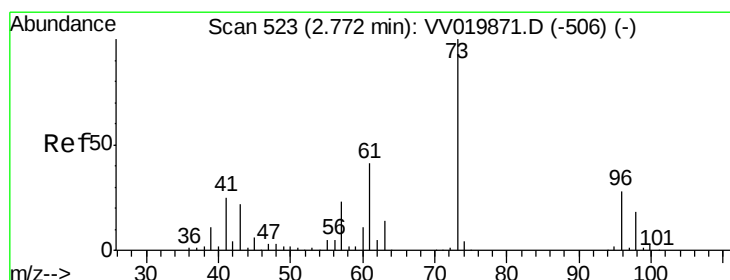
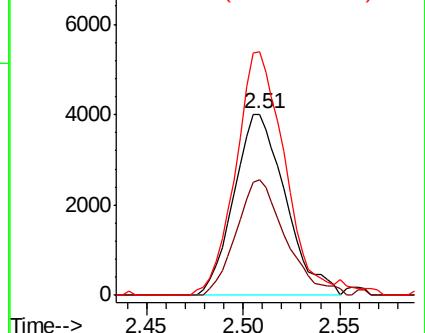
49 134.1 93.9 174.3



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



#17

Methyl tert-butyl Ether

Concen: 0.195 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

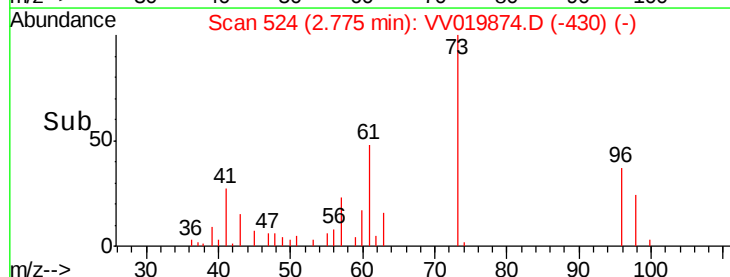
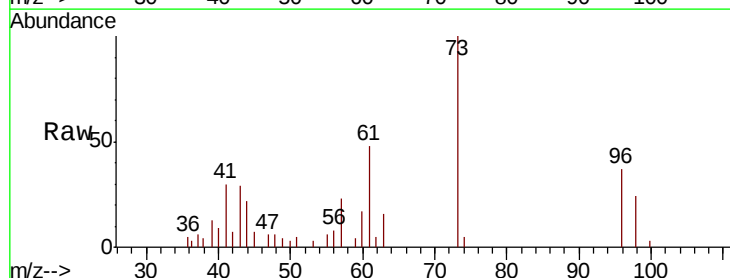
Tgt Ion: 73 Resp: 9510

Ion Ratio Lower Upper

73 100

43 20.1 17.0 25.6

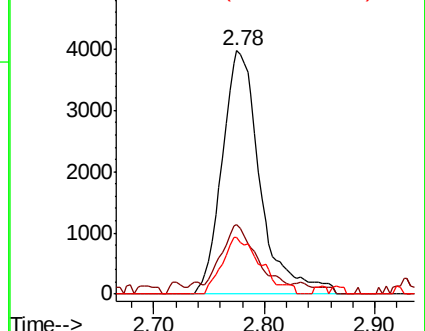
57 22.5 18.2 27.4

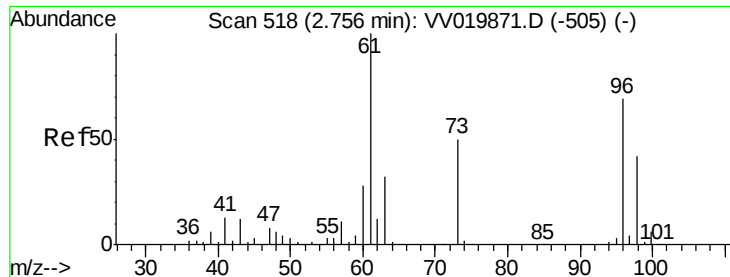


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

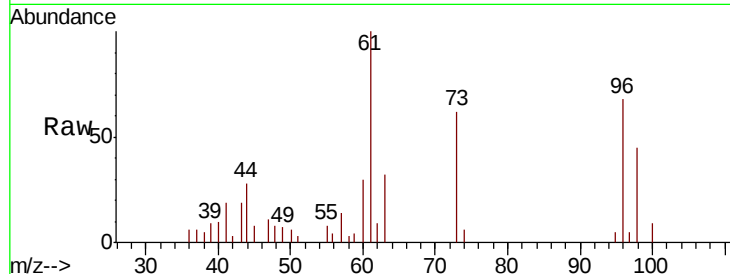




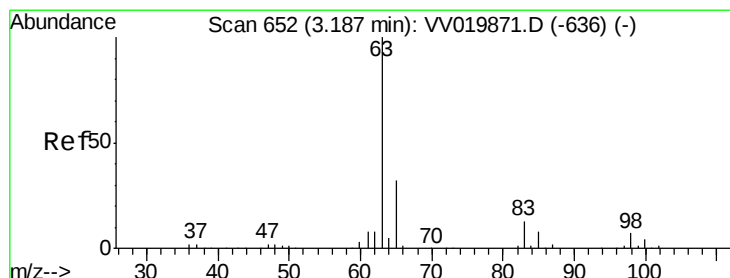
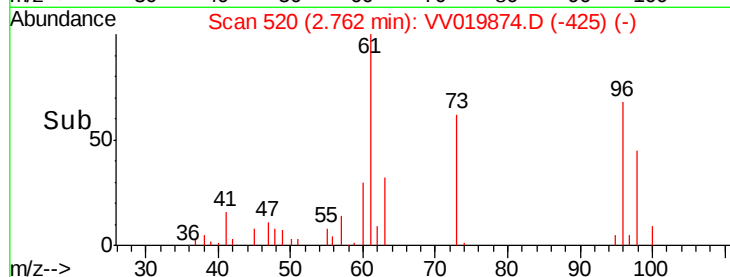
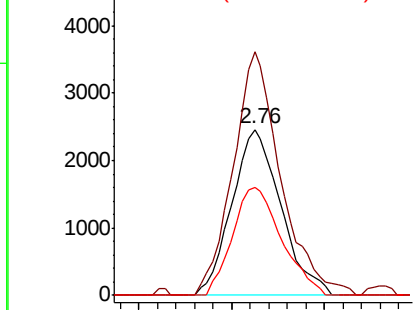
#18  
trans-1,2-Dichloroethene  
Concen: 0.205 ug/L  
RT: 2.76 min Scan# 520  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 96 Resp: 4513  
Ion Ratio Lower Upper  
96 100  
61 146.9 106.3 197.3  
98 65.4 44.7 82.9

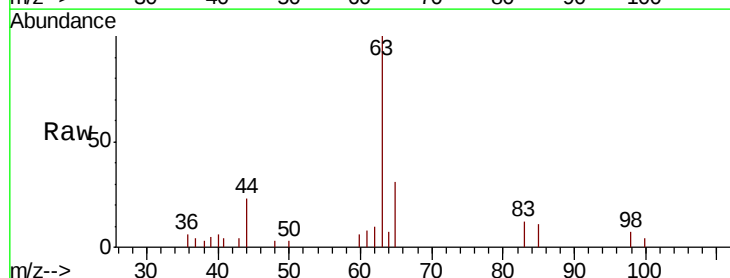


Abundance Ion 96.00 (95.70 to 96.70): VV0  
Ion 61.05 (60.75 to 61.75): VV0  
Ion 97.95 (97.65 to 98.65): VV0

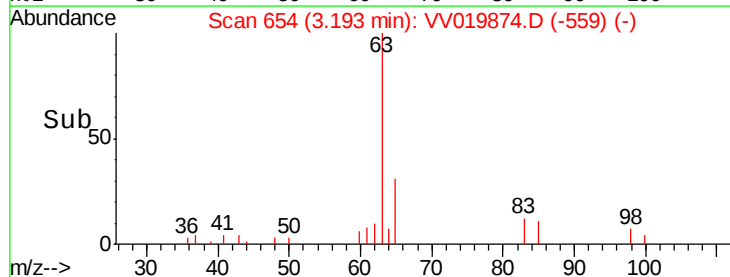
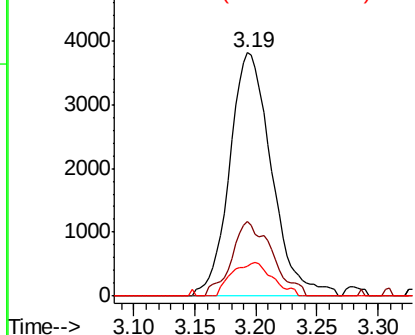


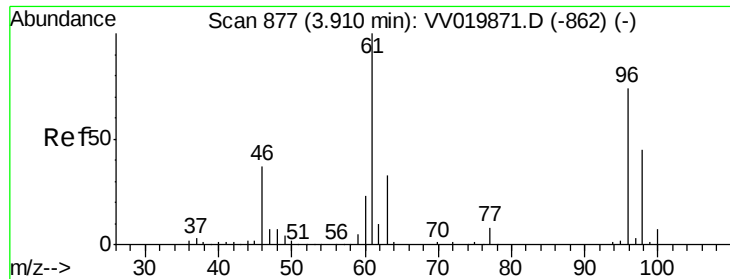
#19  
1,1-Dichloroethane  
Concen: 0.213 ug/L  
RT: 3.19 min Scan# 654  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Tgt Ion: 63 Resp: 9083  
Ion Ratio Lower Upper  
63 100  
65 30.6 21.8 40.6  
83 12.0 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 65.10 (64.80 to 65.80): VV0  
Ion 83.05 (82.75 to 83.75): VV0



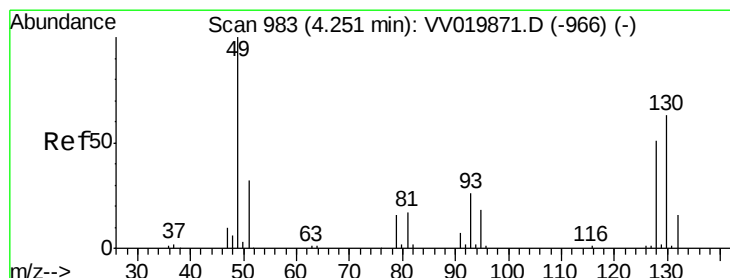
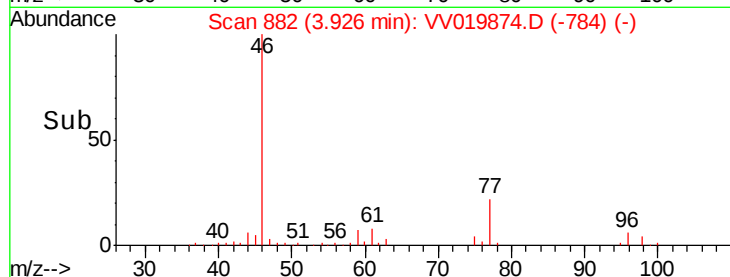
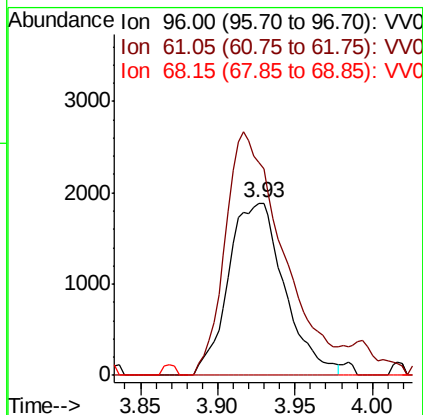
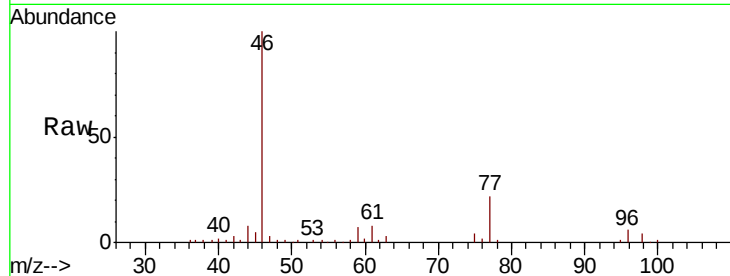


#22

cis-1,2-Dichloroethene  
Concen: 0.208 ug/L  
RT: 3.93 min Scan# 882  
Delta R.T. 0.02 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Instrument :  
MSVOA\_V  
ClientSampleId :

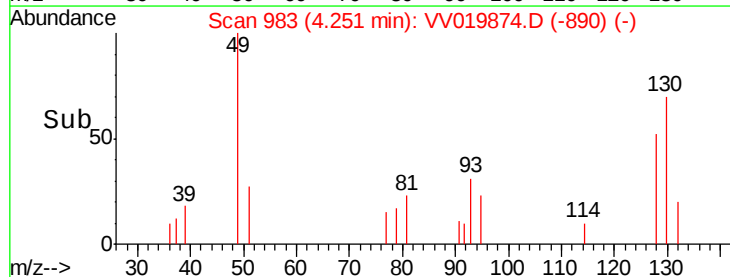
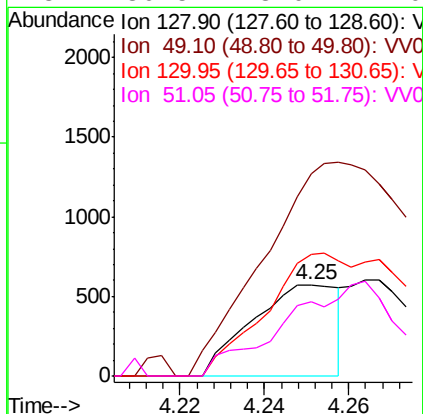
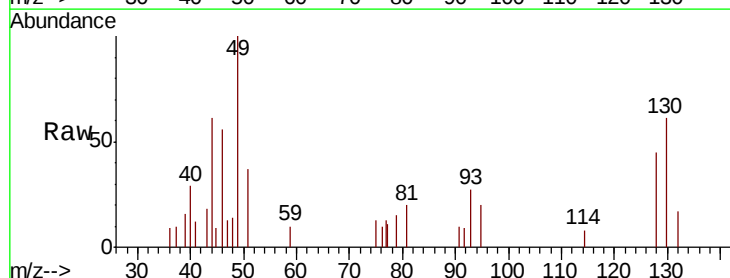
Tot Ion: 96 Resp: 4752  
Ion Ratio Lower Upper  
96 100  
61 123.8 98.1 182.3  
68 0.0 0.0 0.0

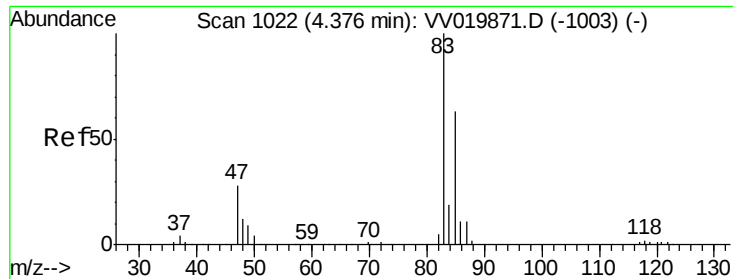


#23

Bromochloromethane  
Concen: 0.090 ug/L  
RT: 4.25 min Scan# 983  
Delta R.T. -0.00 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Tgt Ion: 128 Resp: 820  
Ion Ratio Lower Upper  
128 100  
49 220.3 132.6 246.2  
130 133.4 86.4 160.4  
51 80.5 48.0 72.0#

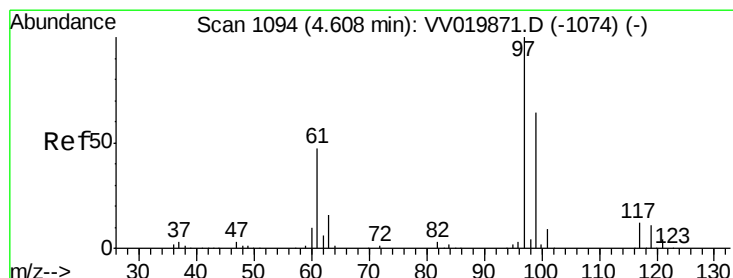
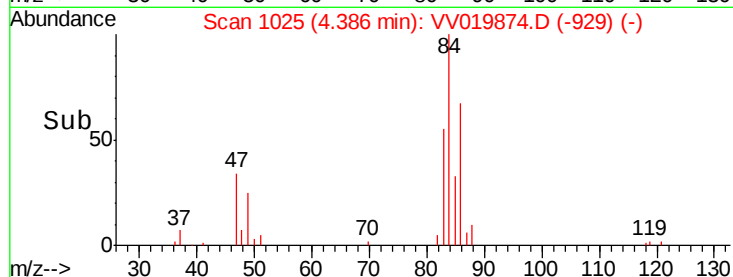
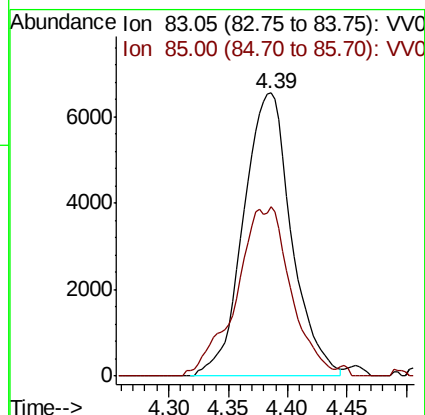
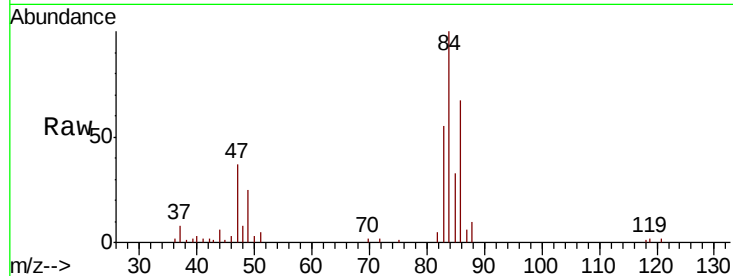




#25  
Chloroform  
Concen: 0.432 ug/L  
RT: 4.39 min Scan# 1025  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

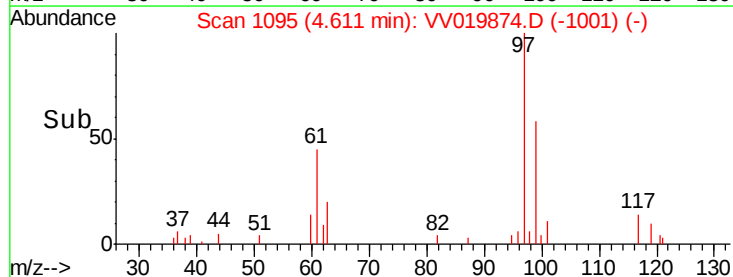
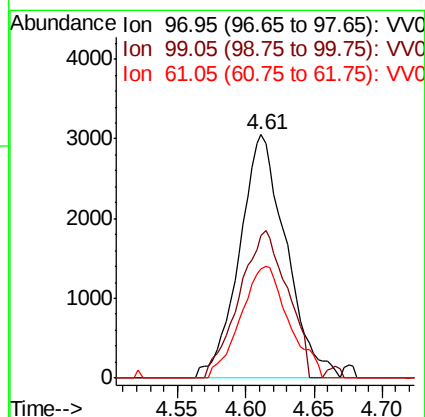
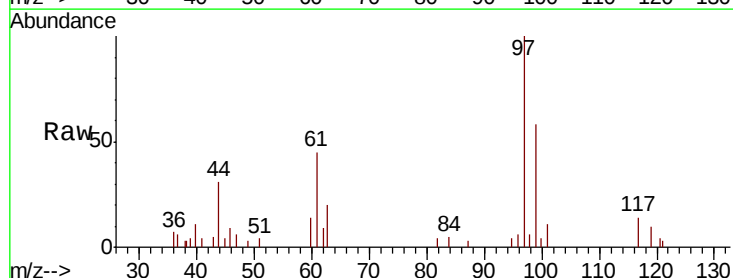
Instrument :  
MSVOA\_V  
ClientSampleId :

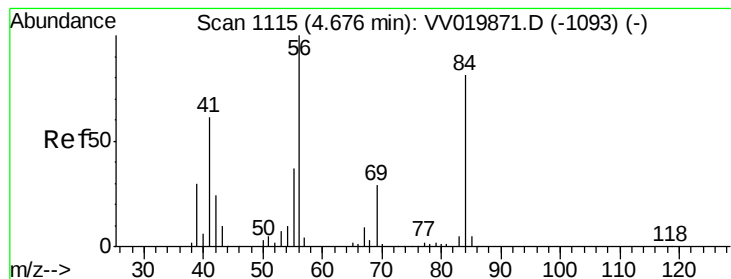
Tot Ion: 83 Resp: 18287  
Ion Ratio Lower Upper  
83 100  
85 59.8 46.4 86.2



#29  
1,1,1-Trichloroethane  
Concen: 0.204 ug/L  
RT: 4.61 min Scan# 1095  
Delta R.T. 0.00 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Tgt Ion: 97 Resp: 7255  
Ion Ratio Lower Upper  
97 100  
99 62.6 51.1 76.7  
61 47.1 38.6 57.8





#30

Cvclohexane

Concen: 0.216 ug/L

RT: 4.68 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :  
MSVOA\_V  
ClientSampleId :

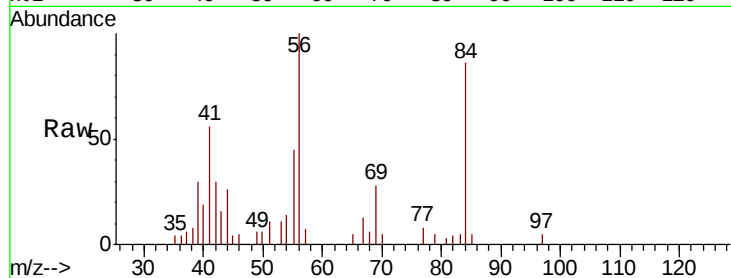
Tot Ion: 56 Resp: 7749

Ion Ratio Lower Upper

56 100

69 25.7 24.1 36.1

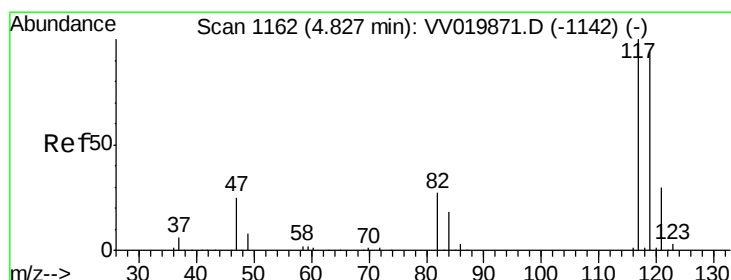
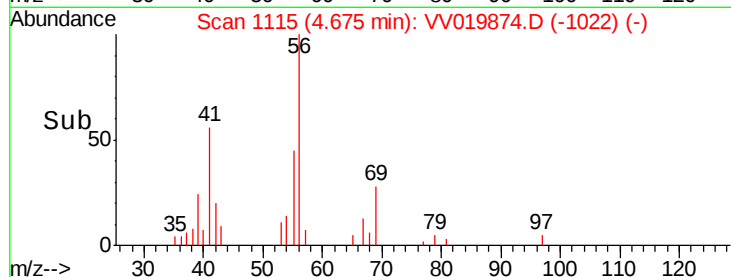
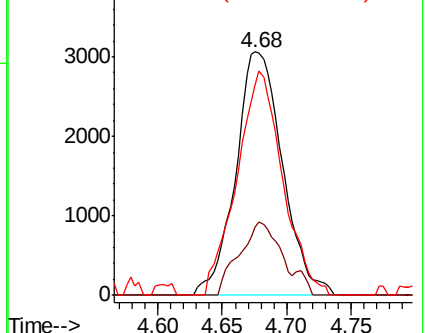
84 89.6 66.8 100.2



Abundance Ion 56.10 (55.80 to 56.80): VV019874.D (-1093) (-)

Ion 69.15 (68.85 to 69.85): VV019874.D (-1093) (-)

Ion 84.15 (83.85 to 84.85): VV019874.D (-1093) (-)



#31

Carbon tetrachloride

Concen: 0.203 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VV019874.D

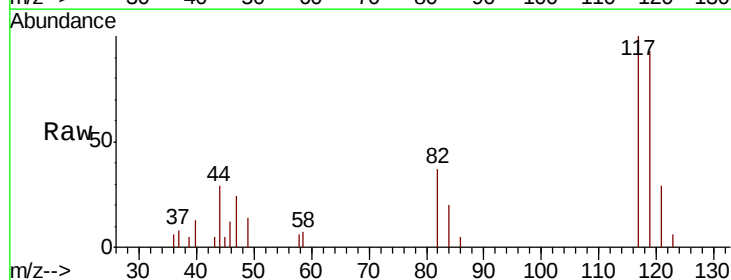
Acq: 30 Dec 2020 12:29

Tgt Ion: 117 Resp: 5899

Ion Ratio Lower Upper

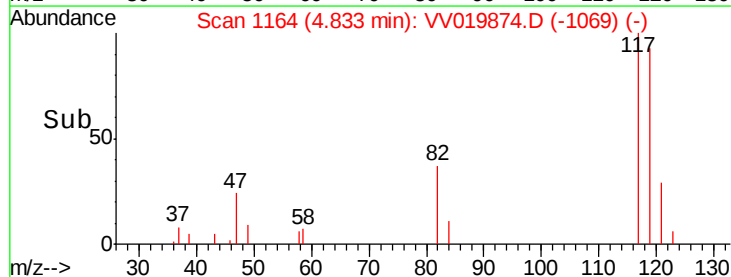
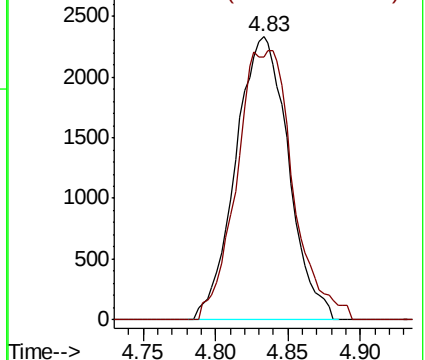
117 100

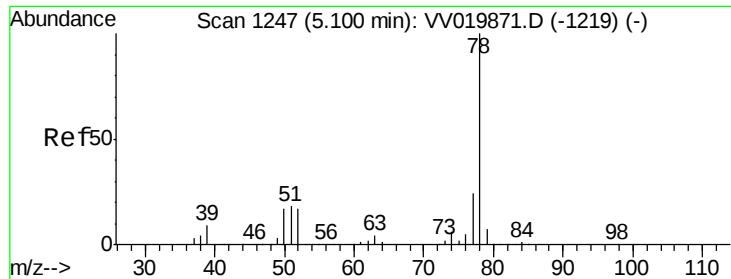
119 101.3 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): VV019874.D (-1069) (-)

Ion 118.90 (118.60 to 119.60): VV019874.D (-1069) (-)





#33

Benzene

Concen: 0.217 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VV019874.D

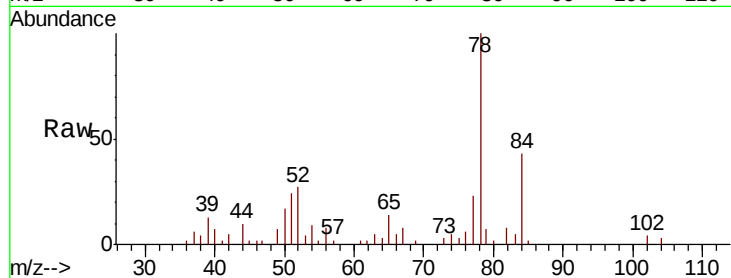
Acq: 30 Dec 2020 12:29

Instrument :

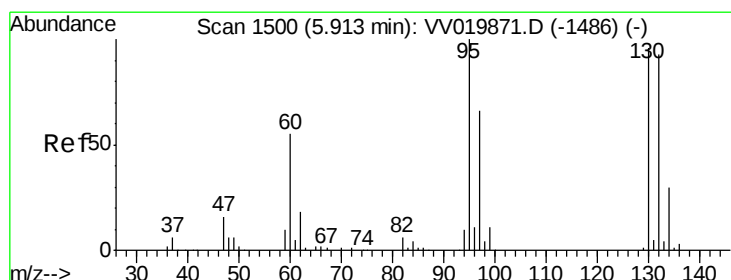
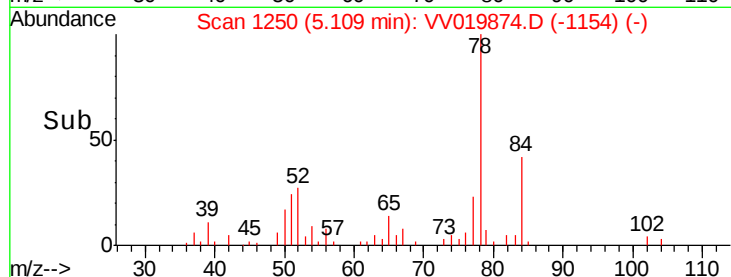
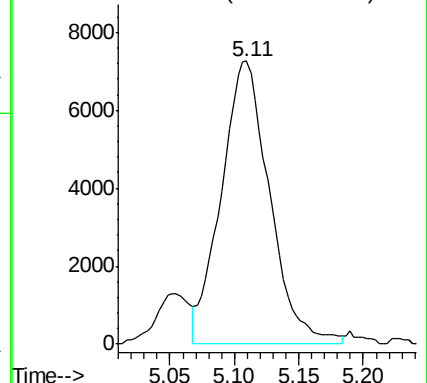
MSVOA\_V

ClientSampled :

Tgt Ion: 78 Resp: 18972



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.249 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Tgt Ion: 95 Resp: 5820

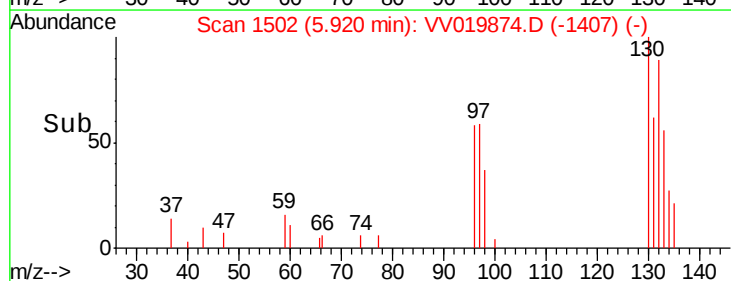
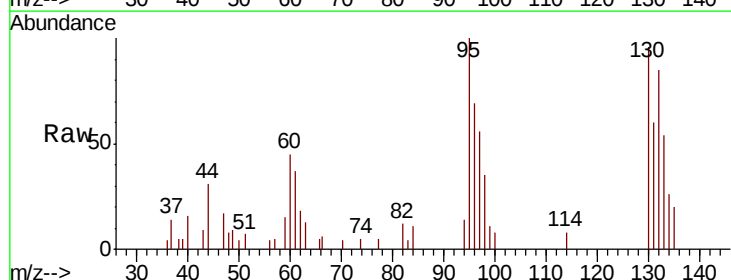
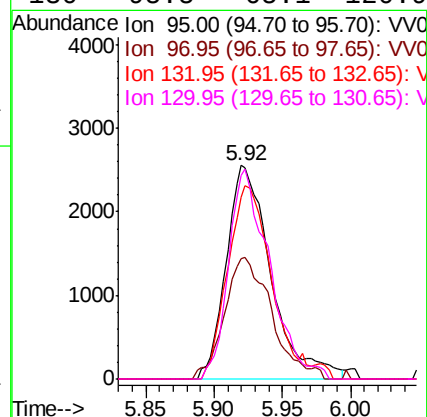
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 56.3  | 44.1  | 81.9  |
| 132 | 85.3  | 61.2  | 113.8 |
| 130 | 95.5  | 65.1  | 120.9 |

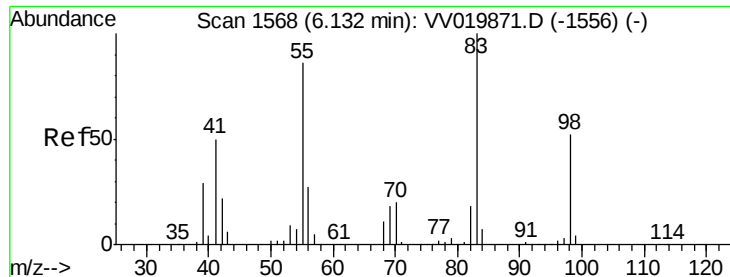
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

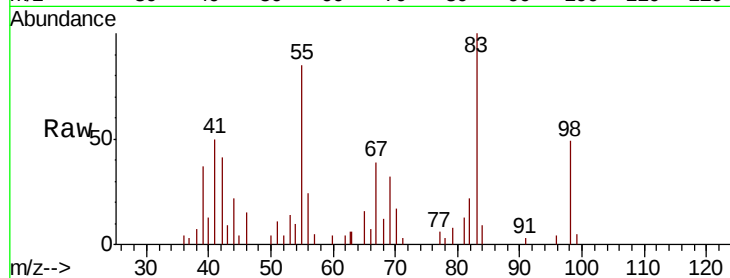




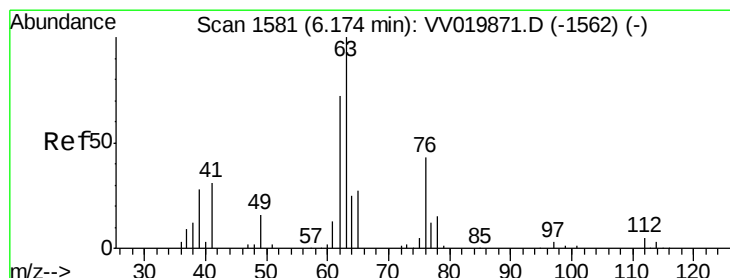
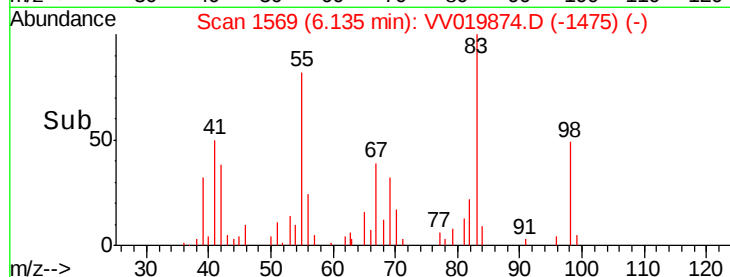
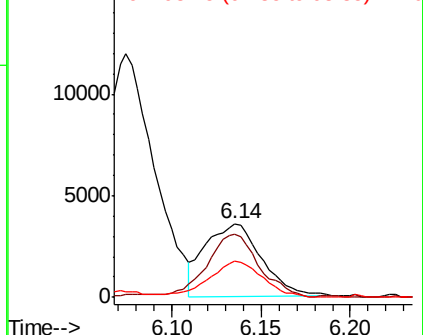
#35  
Methvlcvclohexane  
Concen: 0.222 ug/L  
RT: 6.14 min Scan# 1569  
Delta R.T. 0.00 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 83 Resp: 7747  
Ion Ratio Lower Upper  
83 100  
55 82.2 67.5 101.3  
98 48.3 38.6 58.0

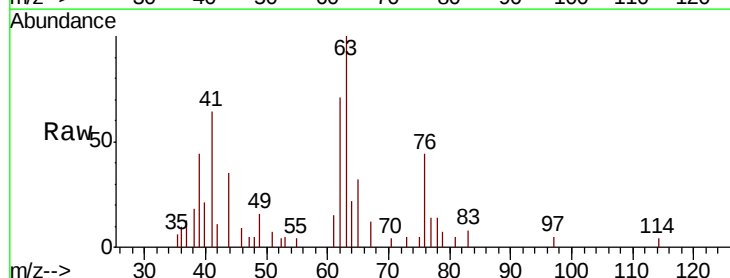


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

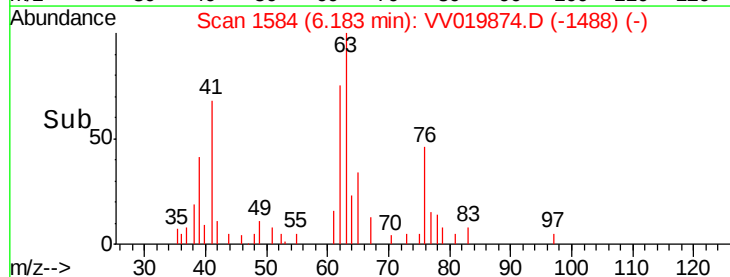
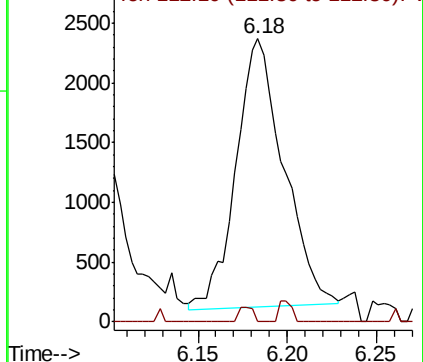


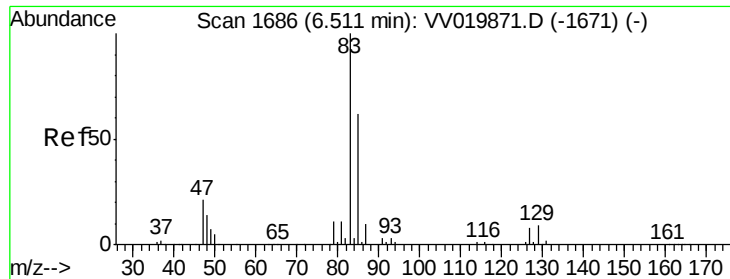
#37  
1,2-Dichloropropane  
Concen: 0.190 ug/L  
RT: 6.18 min Scan# 1584  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Tgt Ion: 63 Resp: 4174  
Ion Ratio Lower Upper  
63 100  
112 1.7 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.211 ug/L

RT: 6.52 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA\_V

ClientSampleId :

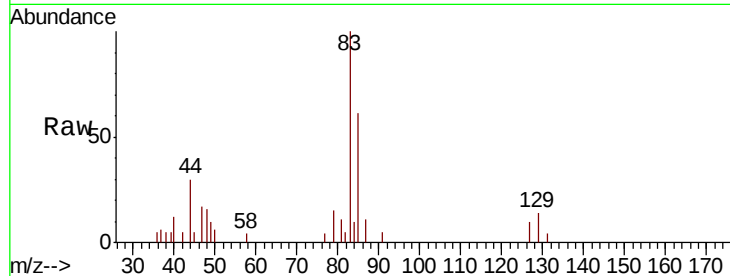
Tot Ion: 83 Resp: 5699

Ion Ratio Lower Upper

83 100

85 61.3 45.9 85.3

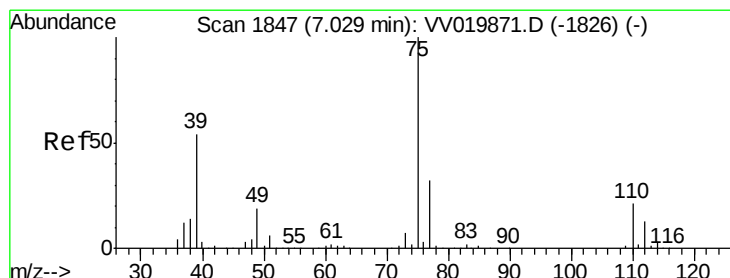
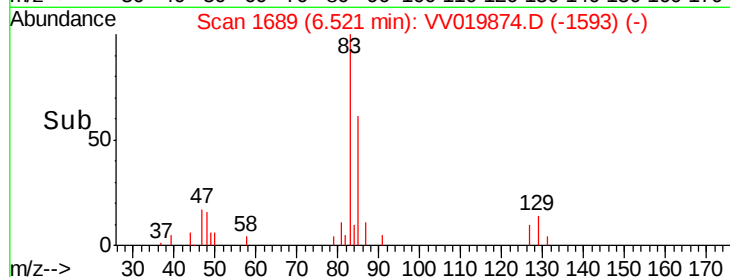
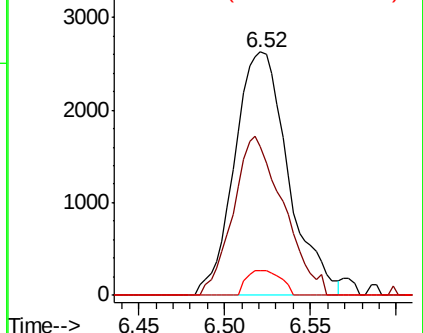
127 10.3 6.2 9.2#



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): VV0



#39

cis-1,3-Dichloropropene

Concen: 0.198 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VV019874.D

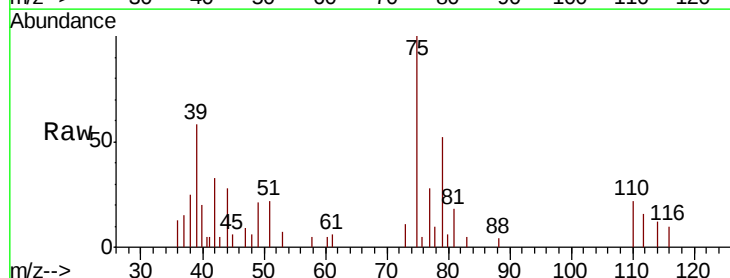
Acq: 30 Dec 2020 12:29

Tgt Ion: 75 Resp: 5964

Ion Ratio Lower Upper

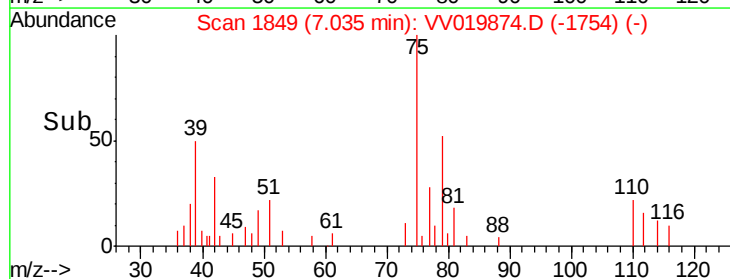
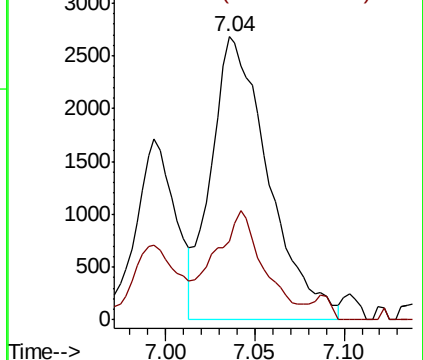
75 100

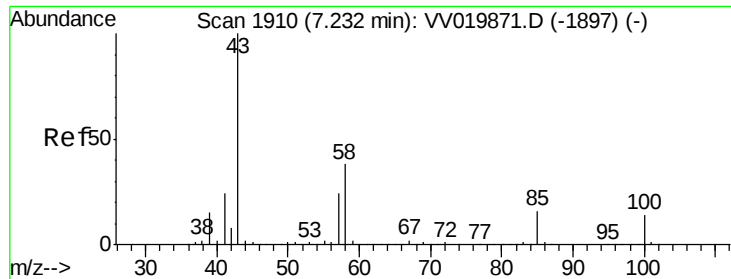
77 27.7 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

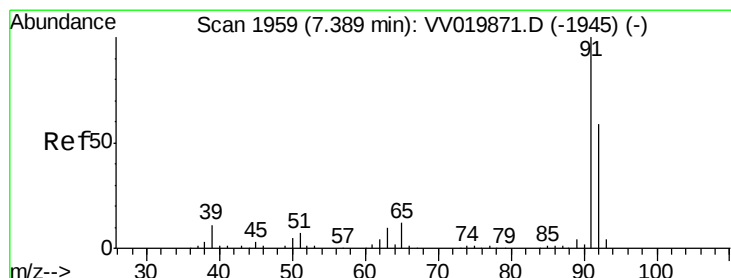
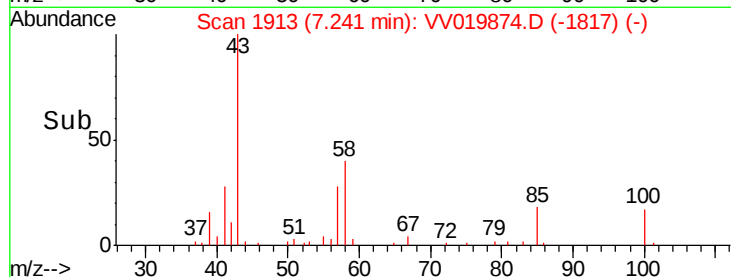
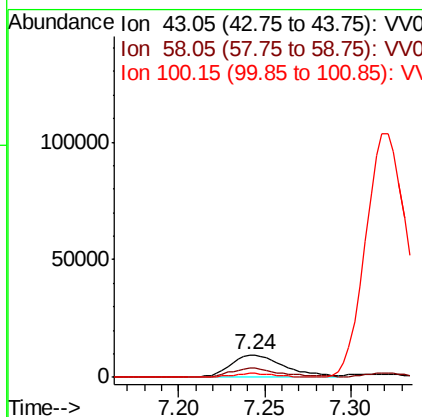
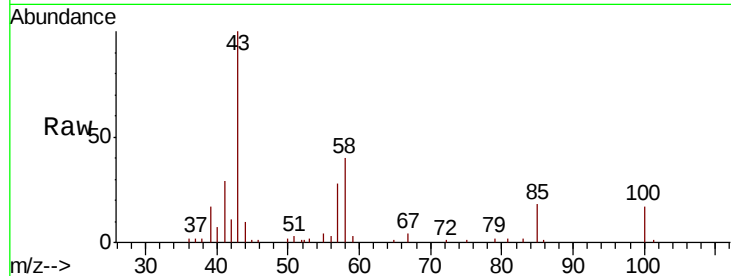




#40  
4-Methyl-2-pentanone  
Concen: 1.681 ug/L  
RT: 7.24 min Scan# 1913  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

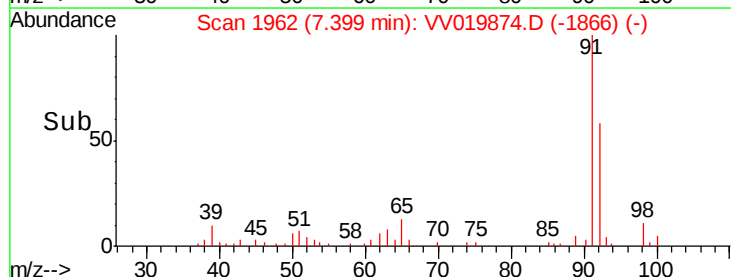
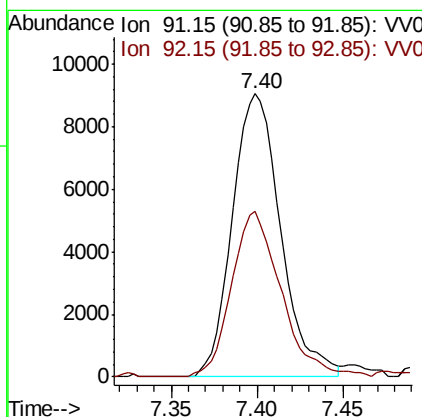
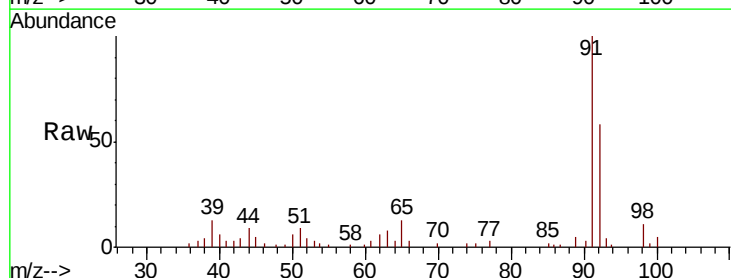
Instrument :  
MSVOA\_V  
ClientSampled :

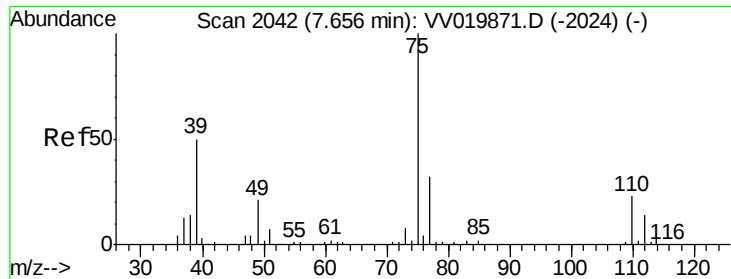
Tot Ion: 43 Resp: 20815  
Ion Ratio Lower Upper  
43 100  
58 40.1 30.0 45.0  
100 0.0 11.4 17.0#



#42  
Toluene  
Concen: 0.200 ug/L  
RT: 7.40 min Scan# 1962  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Tgt Ion: 91 Resp: 17764  
Ion Ratio Lower Upper  
91 100  
92 58.3 40.9 76.0

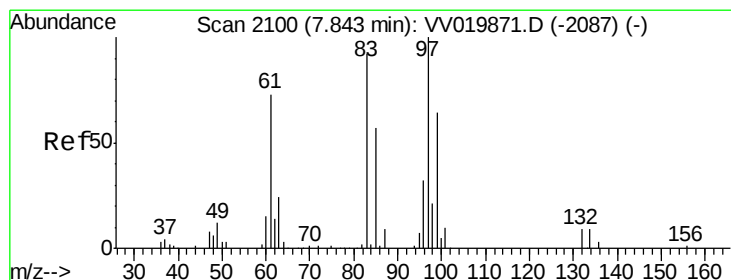
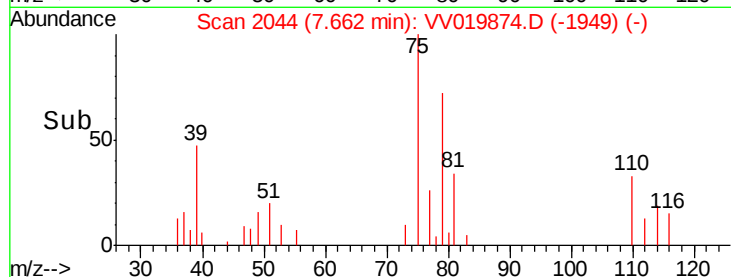
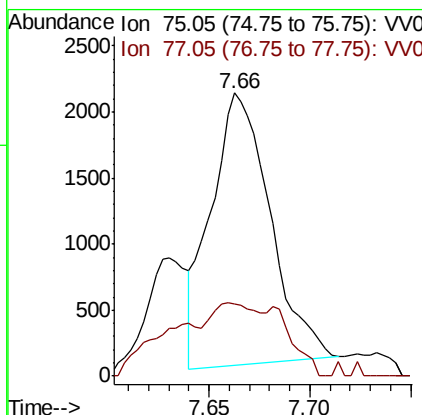
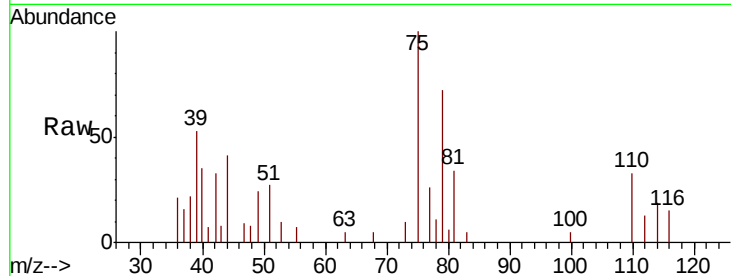




#44  
trans-1,3-Dichloropropene  
Concen: 0.171 ug/L  
RT: 7.66 min Scan# 2044  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

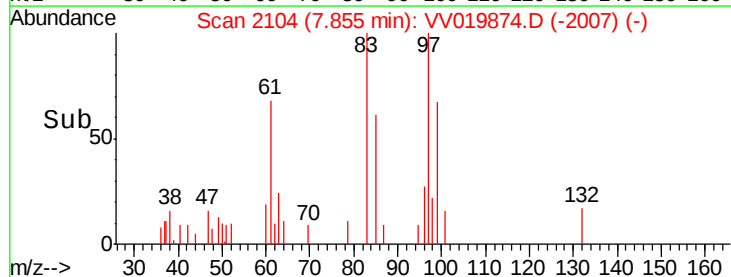
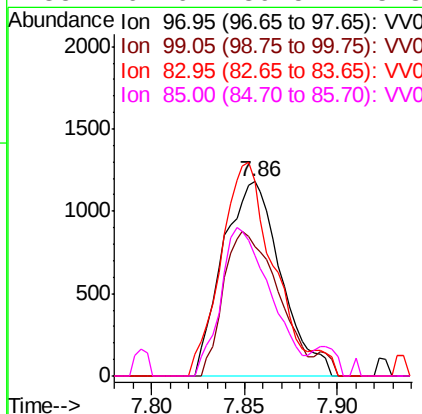
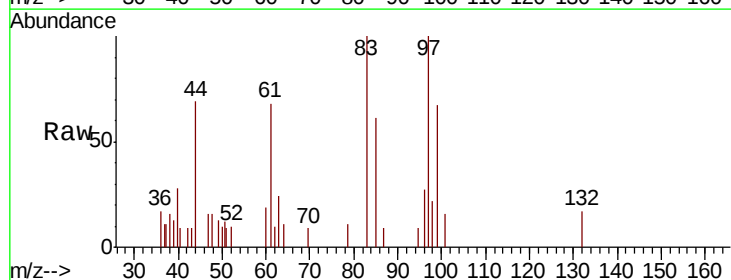
Instrument :  
MSVOA\_V  
ClientSampled :

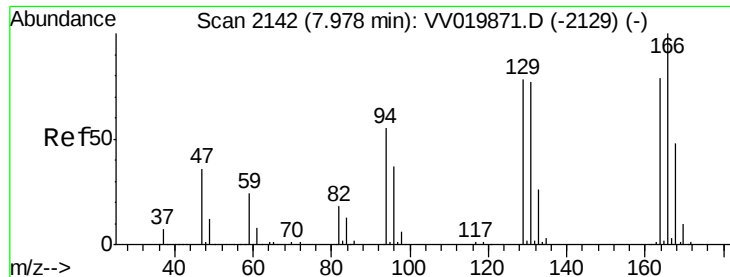
Tot Ion: 75 Resp: 4221  
Ion Ratio Lower Upper  
75 100  
77 25.5 21.1 39.3



#45  
1,1,2-Trichloroethane  
Concen: 0.181 ug/L  
RT: 7.86 min Scan# 2104  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Tgt Ion: 97 Resp: 2570  
Ion Ratio Lower Upper  
97 100  
99 66.8 42.4 78.8  
83 100.3 59.4 110.4  
85 61.6 39.5 73.3

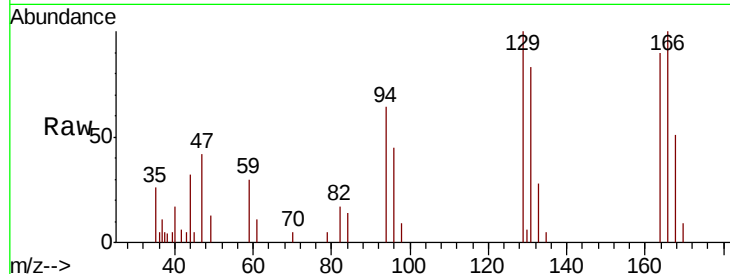




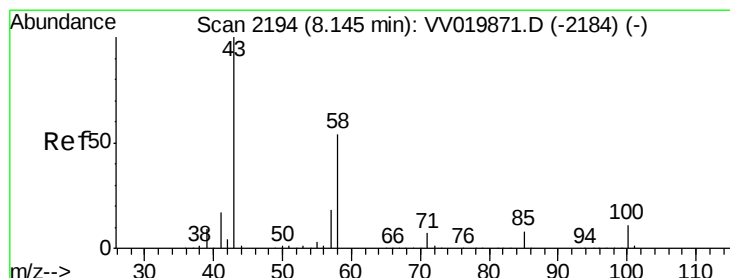
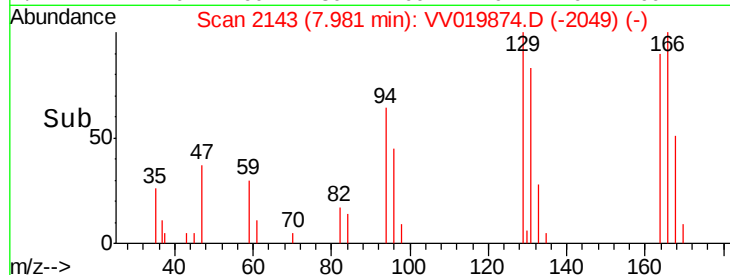
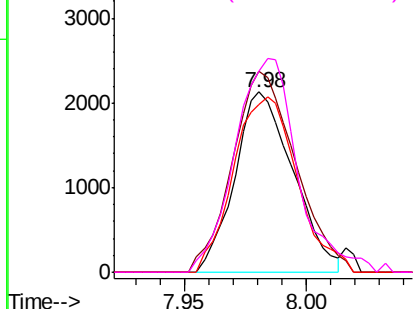
#47  
Tetrachloroethene  
Concen: 0.223 ug/L  
RT: 7.98 min Scan# 2143  
Delta R.T. 0.00 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:164 Resp: 3542  
Ion Ratio Lower Upper  
164 100  
129 111.4 72.1 133.9  
131 92.9 68.9 127.9  
166 111.1 88.5 164.4

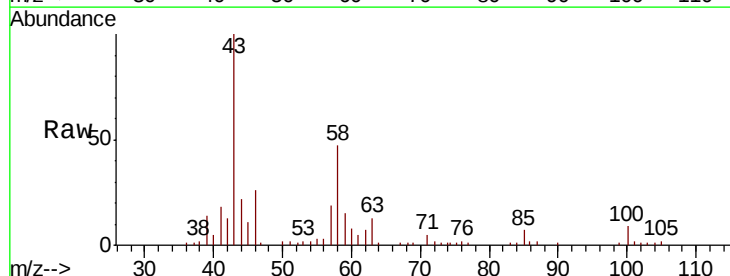


Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V

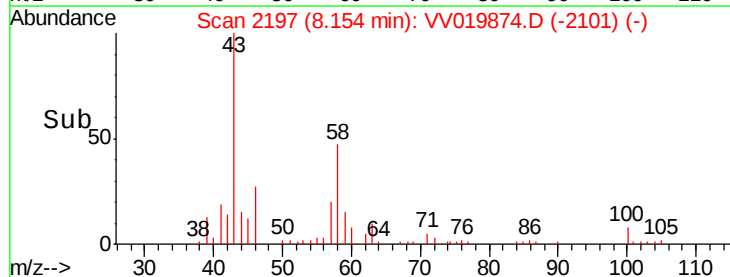
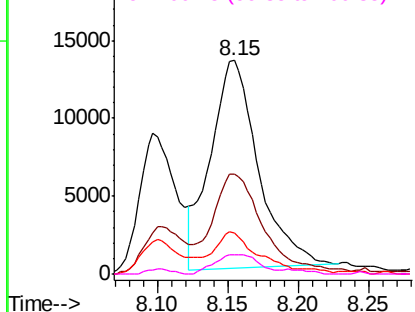


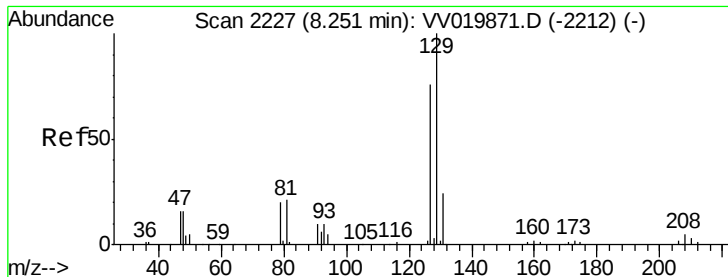
#48  
2-Hexanone  
Concen: 3.698 ug/L  
RT: 8.15 min Scan# 2197  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Tgt Ion: 43 Resp: 31737  
Ion Ratio Lower Upper  
43 100  
58 48.4 42.4 63.6  
57 19.8 14.8 22.2  
100 8.6 9.1 13.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0  
Ion 58.05 (57.75 to 58.75): VV0  
Ion 57.20 (56.90 to 57.90): VV0  
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.195 ug/L

RT: 8.25 min Scan# 2227

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA\_V

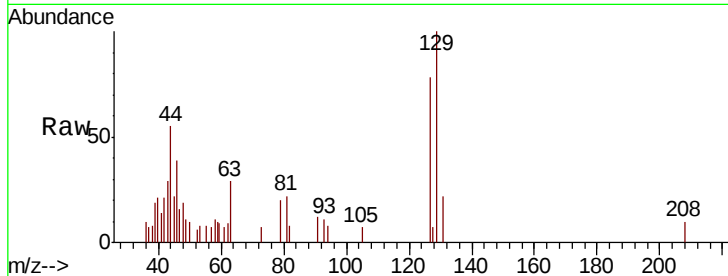
ClientSampleId :

Tot Ion:129 Resp: 2995

Ion Ratio Lower Upper

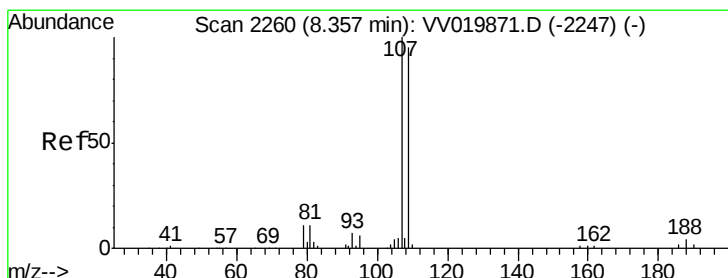
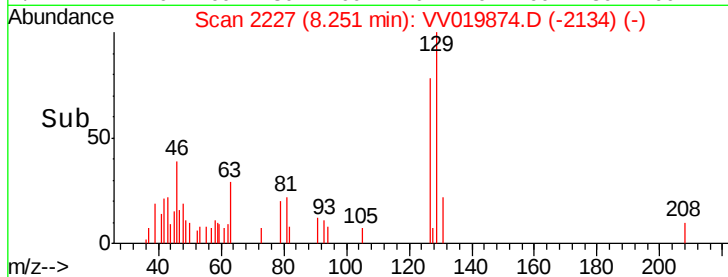
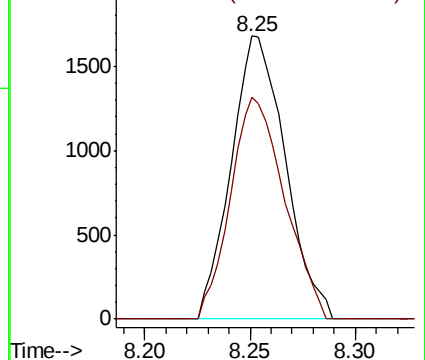
129 100

127 78.2 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.200 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

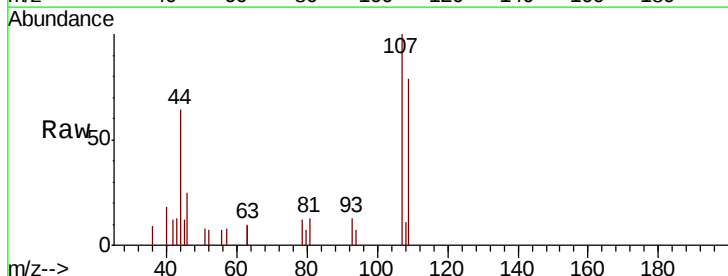
Tgt Ion:107 Resp: 2577

Ion Ratio Lower Upper

107 100

109 79.0 63.8 118.4

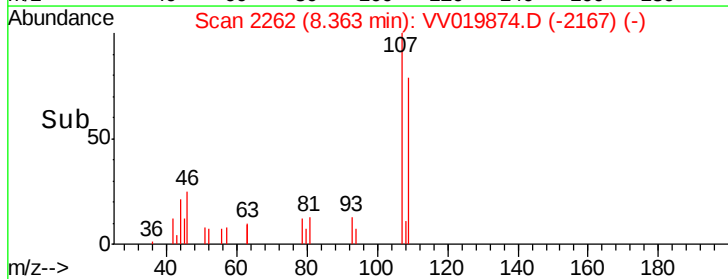
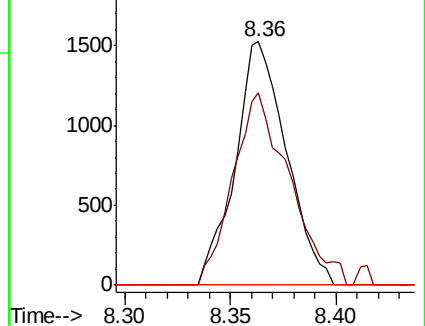
188 0.0 2.5 3.7#

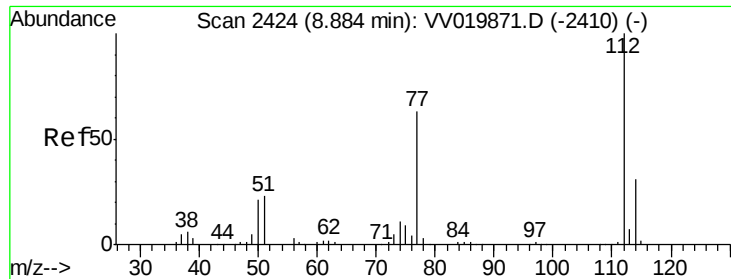


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.202 ug/L

RT: 8.89 min Scan# 2426

Delta R.T. 0.01 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA\_V

ClientSampleId :

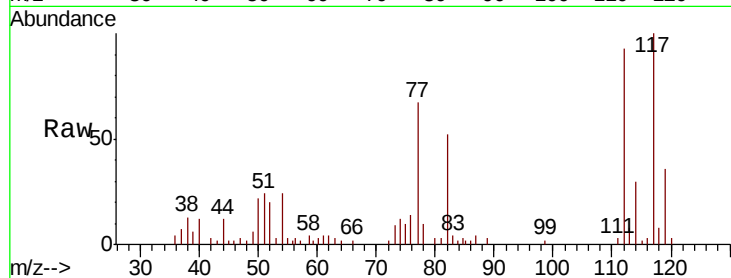
Tot Ion:112 Resp: 11326

Ion Ratio Lower Upper

112 100

114 32.5 21.8 40.6

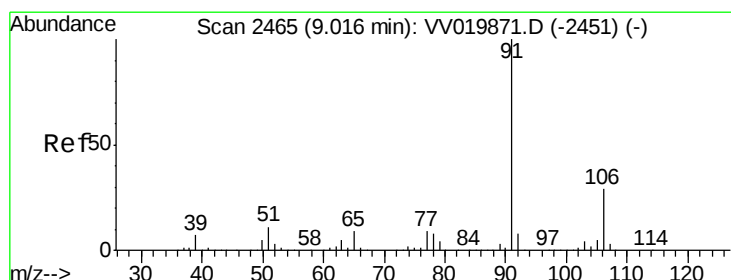
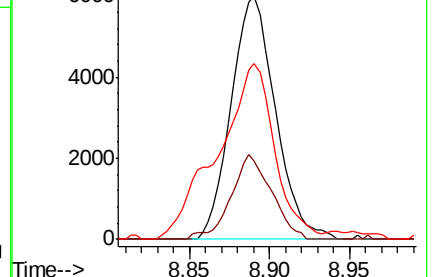
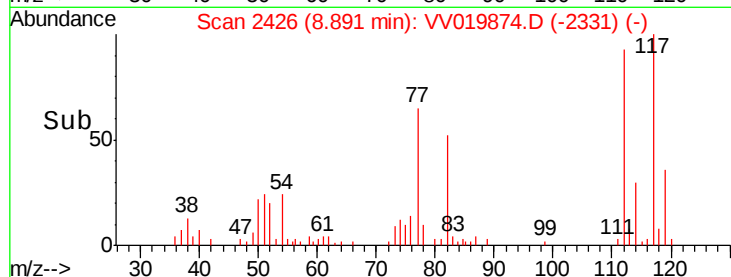
77 72.3 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#52

Ethylbenzene

Concen: 0.206 ug/L

RT: 9.02 min Scan# 2467

Delta R.T. 0.01 min

Lab File: VV019874.D

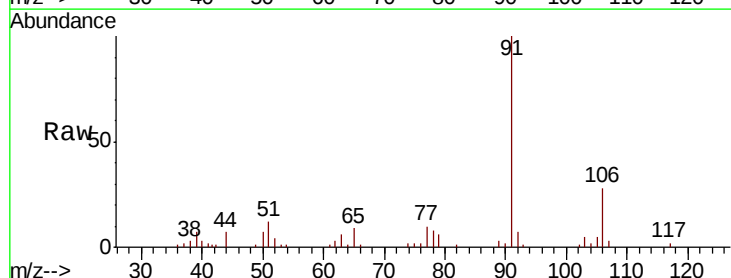
Acq: 30 Dec 2020 12:29

Tgt Ion: 91 Resp: 20267

Ion Ratio Lower Upper

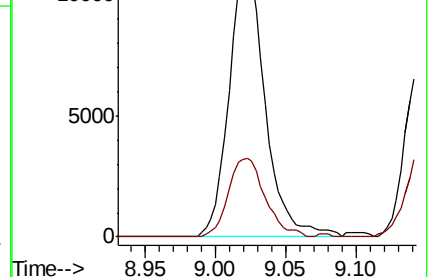
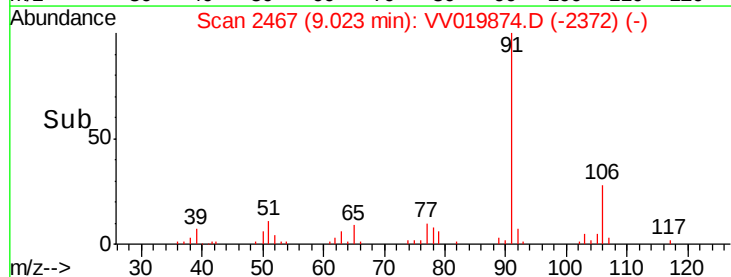
91 100

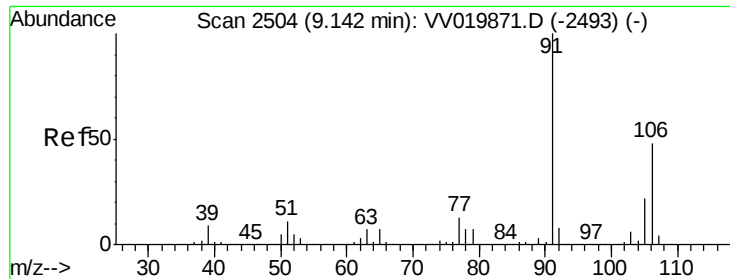
106 27.7 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.189 ug/L

RT: 9.15 min Scan# 2506

Delta R.T. 0.01 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

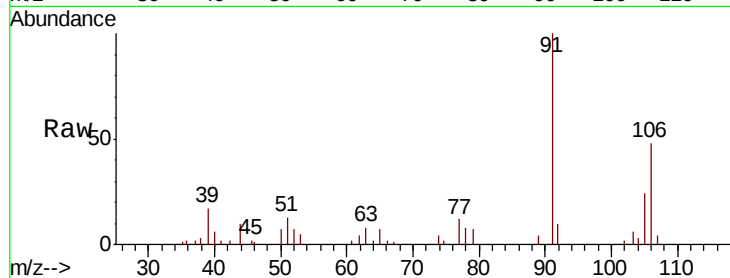
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:106 Resp: 6786

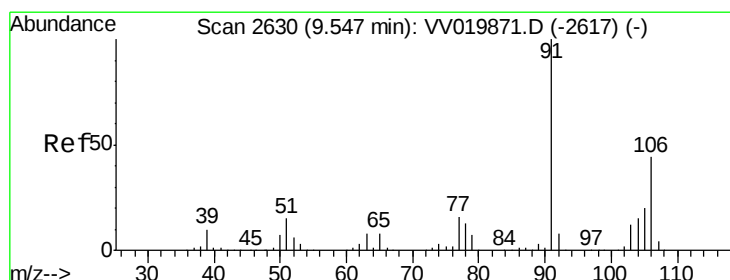
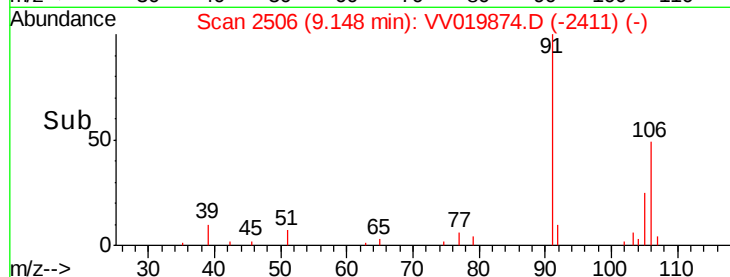
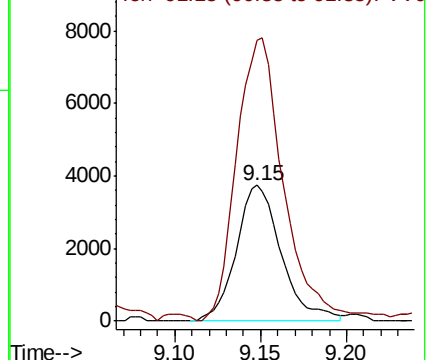
Ion Ratio Lower Upper

106 100

91 206.3 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.185 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VV019874.D

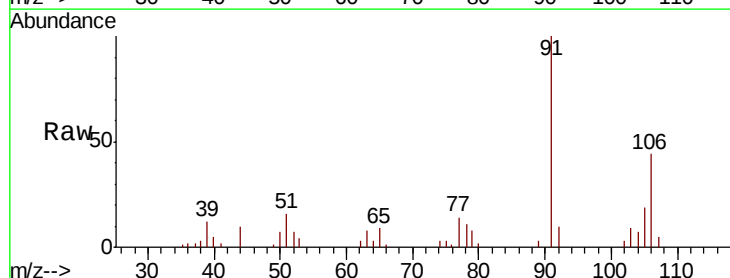
Acq: 30 Dec 2020 12:29

Tgt Ion:106 Resp: 6386

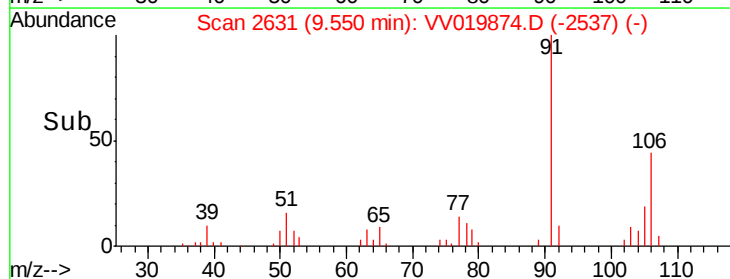
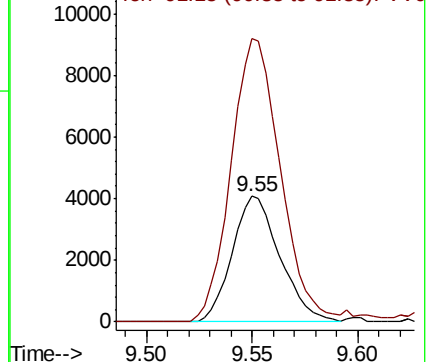
Ion Ratio Lower Upper

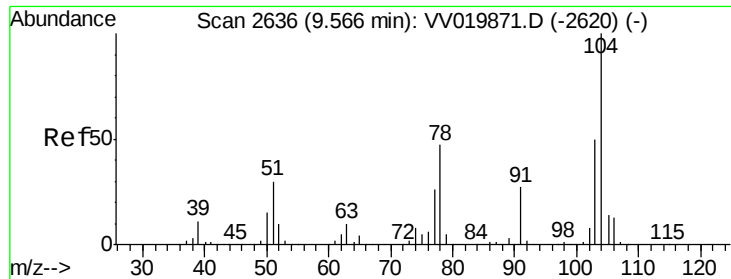
106 100

91 224.9 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VV0

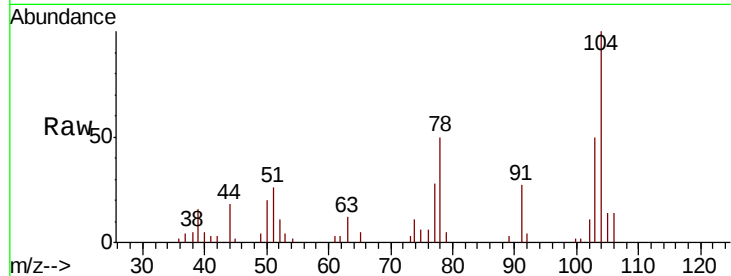




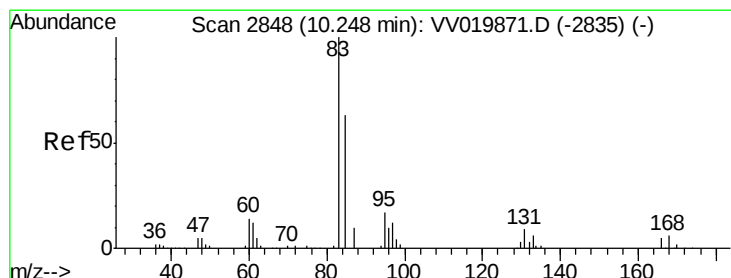
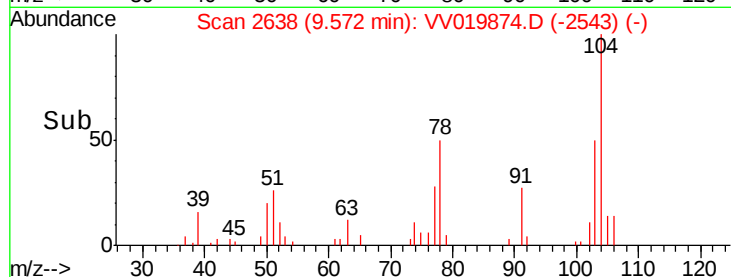
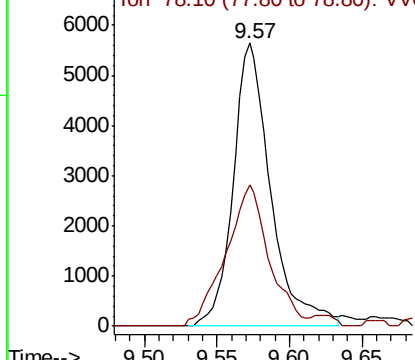
#55  
Stvrene  
Concen: 0.174 ug/L  
RT: 9.57 min Scan# 2638  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:104 Resp: 10146  
Ion Ratio Lower Upper  
104 100  
78 49.7 33.7 62.7

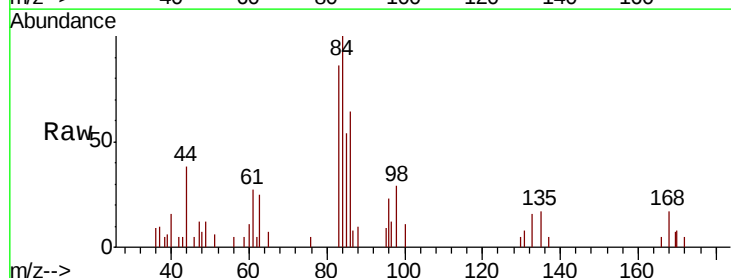


Abundance Ion 104.10 (103.80 to 104.80): VV019871.D (-2620) (-)  
Ion 78.10 (77.80 to 78.80): VV019871.D (-2620) (-)

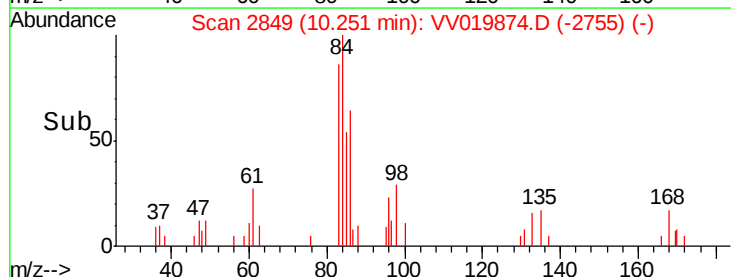
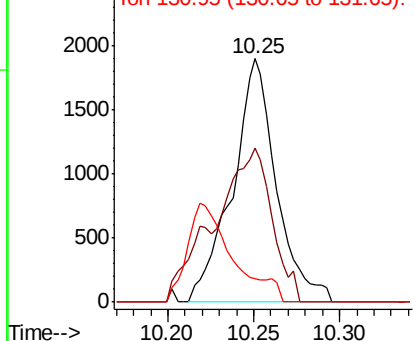


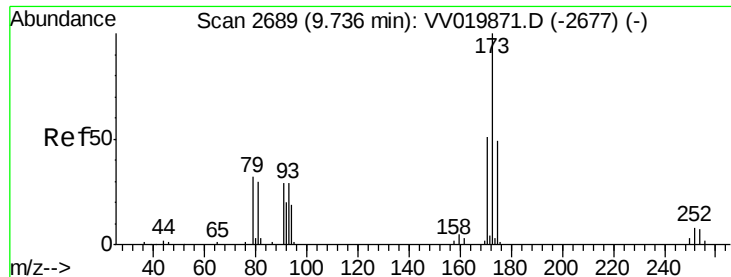
#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.225 ug/L  
RT: 10.25 min Scan# 2849  
Delta R.T. 0.00 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Tgt Ion: 83 Resp: 3371  
Ion Ratio Lower Upper  
83 100  
85 63.1 44.3 82.3  
131 9.6 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VV019871.D (-2835) (-)  
Ion 85.00 (84.70 to 85.70): VV019871.D (-2835) (-)  
Ion 130.95 (130.65 to 131.65): VV019871.D (-2835) (-)





#59

Bromoform

Concen: 0.172 ug/L

RT: 9.74 min Scan# 2691

Delta R.T. 0.01 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :  
MSVOA\_V  
ClientSampleId :

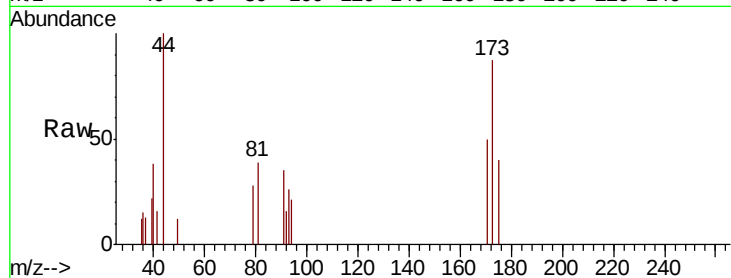
Tot Ion:173 Resp: 1153

Ion Ratio Lower Upper

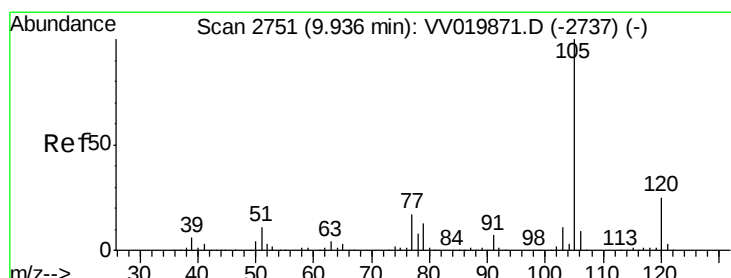
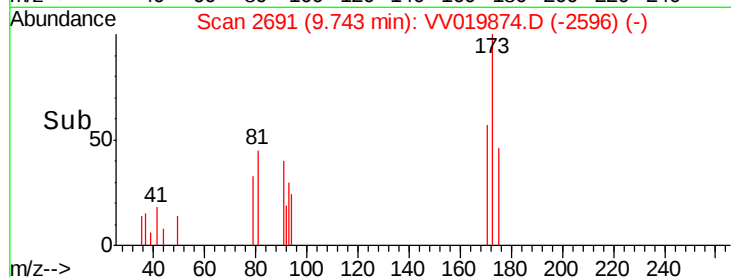
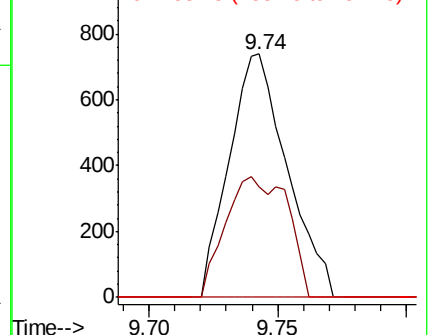
173 100

175 53.3 38.3 57.5

254 0.0 6.4 9.6#



Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V



#60

Isopropylbenzene

Concen: 0.200 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

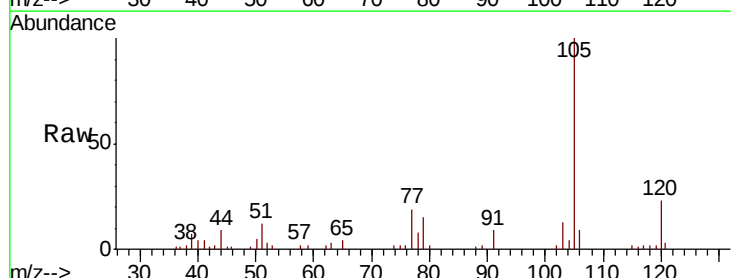
Tgt Ion:105 Resp: 17950

Ion Ratio Lower Upper

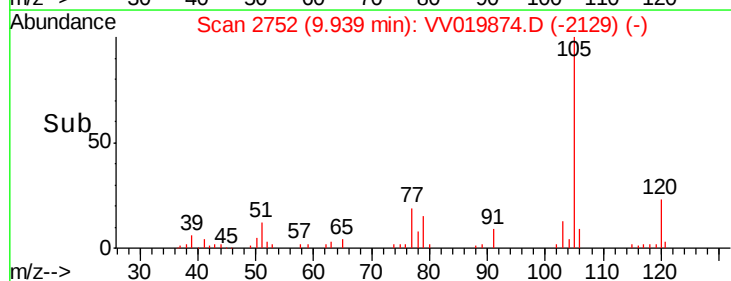
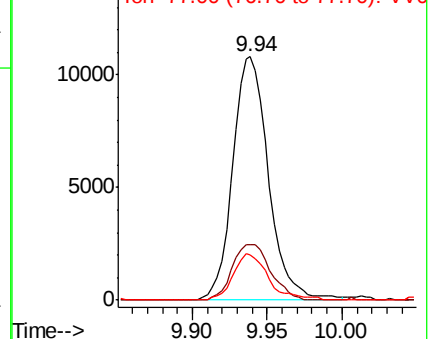
105 100

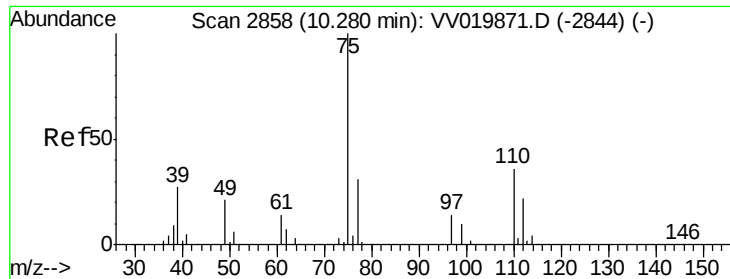
120 24.4 20.4 30.6

77 18.7 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V  
Ion 77.00 (76.70 to 77.70): V

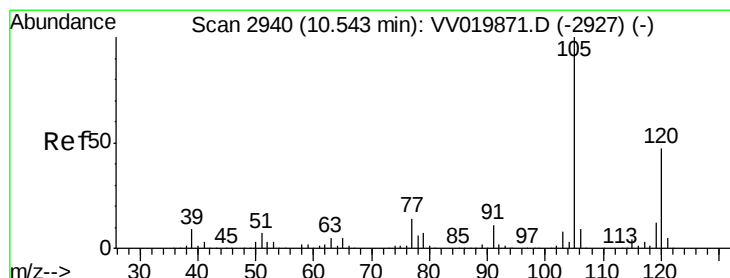
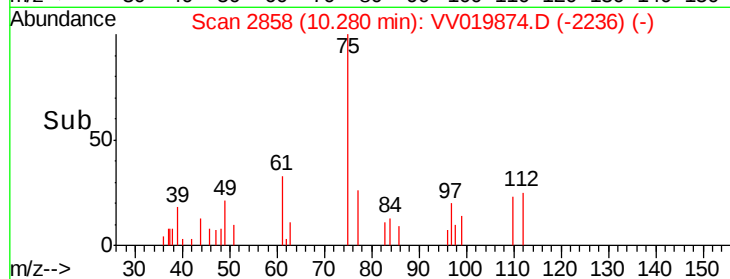
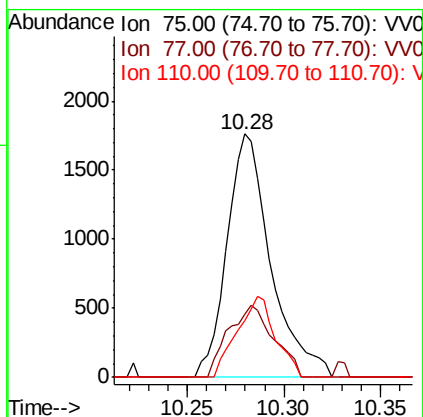
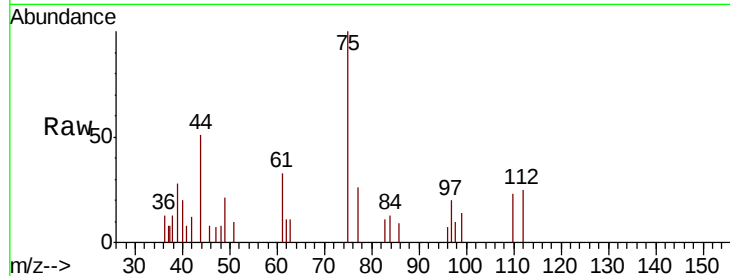




#61  
 1,2,3-Trichloropropane  
 Concen: 0.233 ug/L  
 RT: 10.28 min Scan# 2858  
 Delta R.T. -0.00 min  
 Lab File: VV019874.D  
 Acq: 30 Dec 2020 12:29

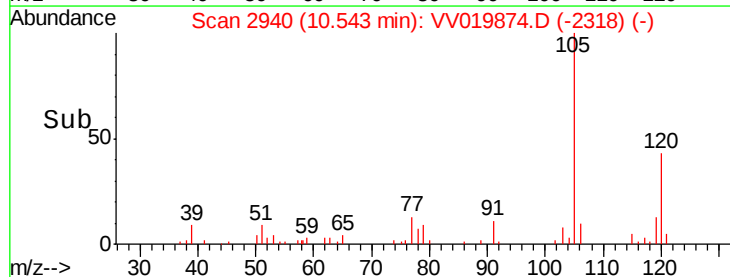
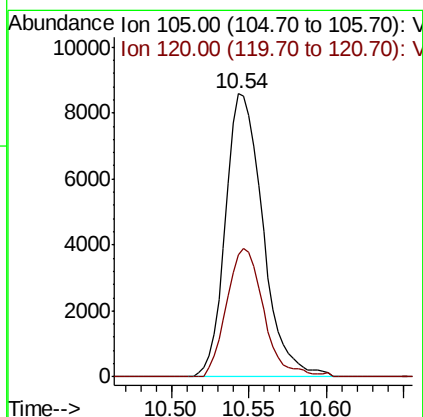
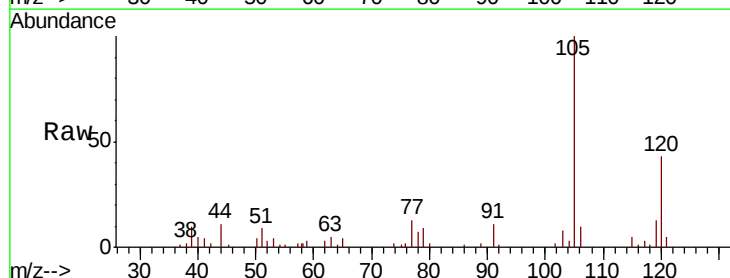
Instrument :  
 MSVOA\_V  
 ClientSampleId :

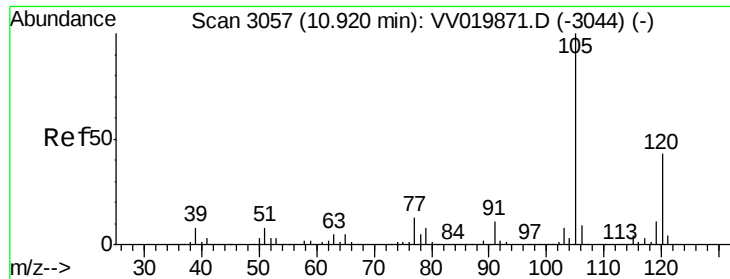
Tot Ion: 75 Resp: 2775  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 25.6 38.4  
 110 28.9 30.5 45.7#



#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.194 ug/L  
 RT: 10.54 min Scan# 2940  
 Delta R.T. -0.00 min  
 Lab File: VV019874.D  
 Acq: 30 Dec 2020 12:29

Tgt Ion: 105 Resp: 14406  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 37.8 56.6

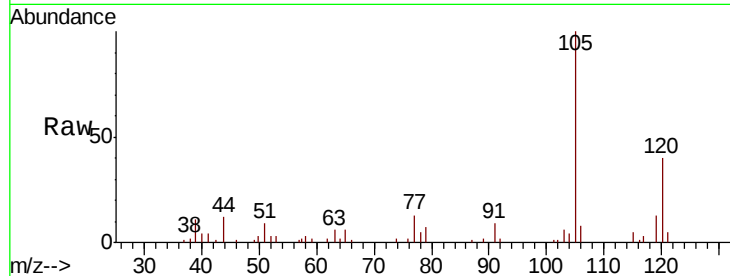




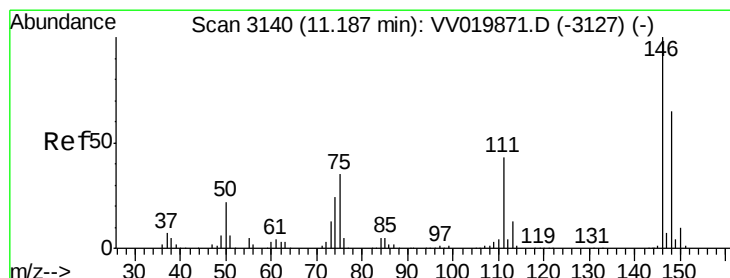
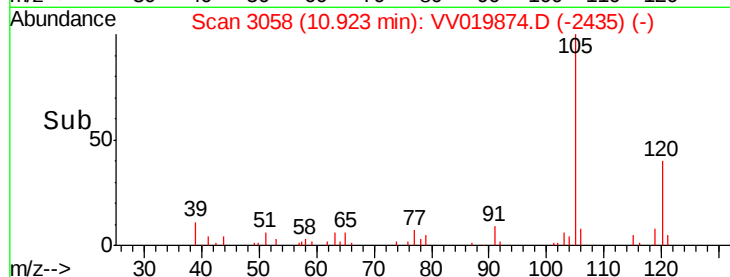
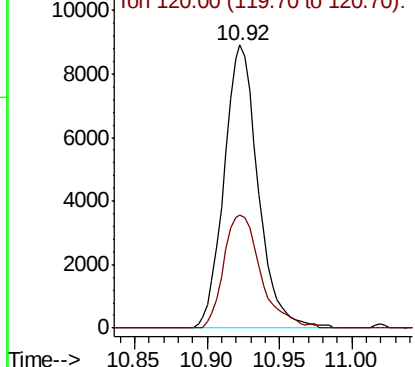
#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.192 ug/L  
 RT: 10.92 min Scan# 3058  
 Delta R.T. 0.00 min  
 Lab File: VV019874.D  
 Acq: 30 Dec 2020 12:29

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion:105 Resp: 14471  
 Ion Ratio Lower Upper  
 105 100  
 120 43.6 34.9 52.3

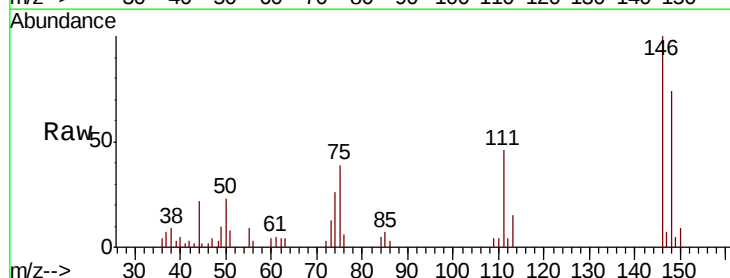


Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V

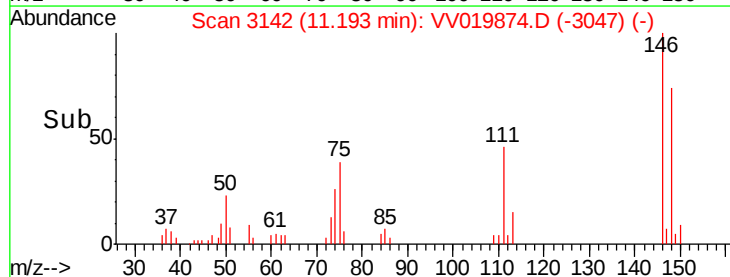
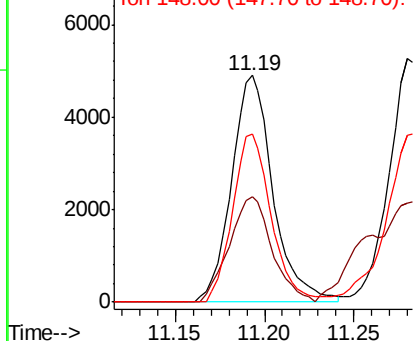


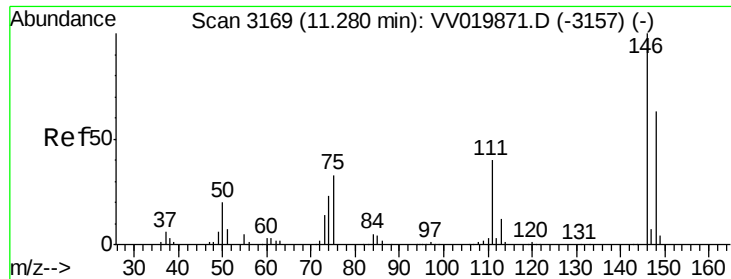
#64  
 1,3-Dichlorobenzene  
 Concen: 0.202 ug/L  
 RT: 11.19 min Scan# 3142  
 Delta R.T. 0.01 min  
 Lab File: VV019874.D  
 Acq: 30 Dec 2020 12:29

Tgt Ion:146 Resp: 7944  
 Ion Ratio Lower Upper  
 146 100  
 111 46.4 30.4 56.5  
 148 74.3 45.8 85.2



Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V





#65

1,4-Dichlorobenzene

Concen: 0.232 ug/L

RT: 11.28 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA\_V

ClientSampleId :

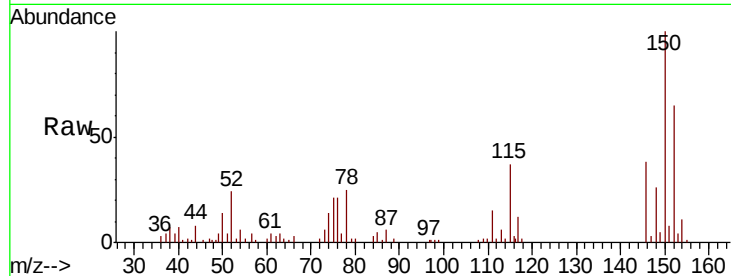
Tot Ion:146 Resp: 9170

Ion Ratio Lower Upper

146 100

111 40.7 29.7 55.1

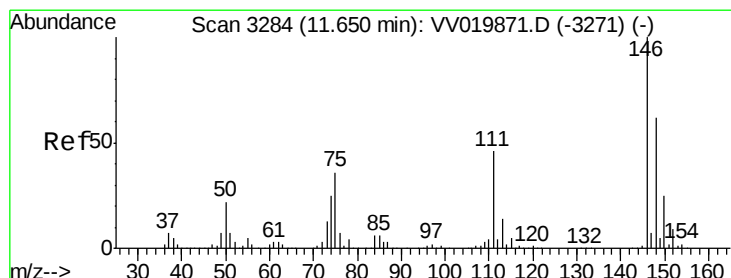
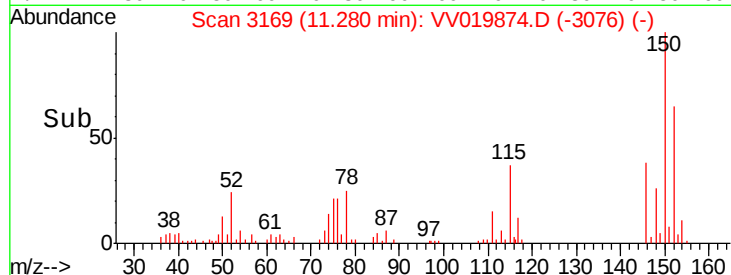
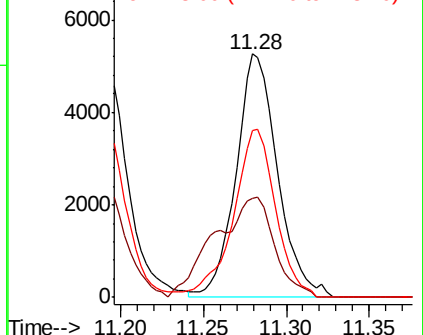
148 68.4 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 0.216 ug/L

RT: 11.65 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

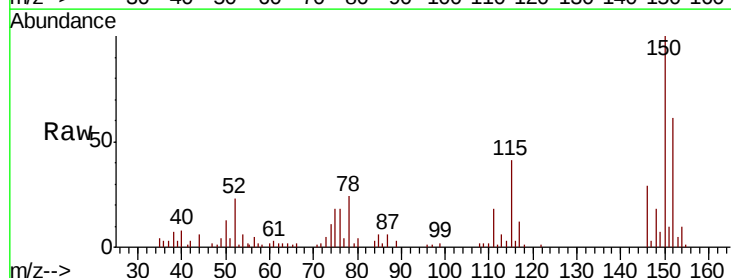
Tgt Ion:146 Resp: 7830

Ion Ratio Lower Upper

146 100

111 61.4 37.7 56.5#

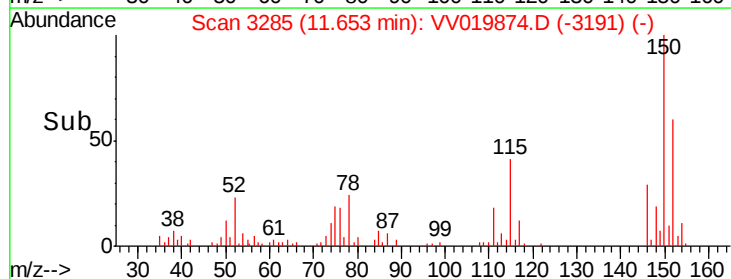
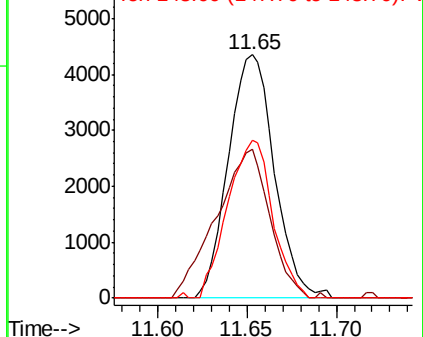
148 64.7 50.6 75.8

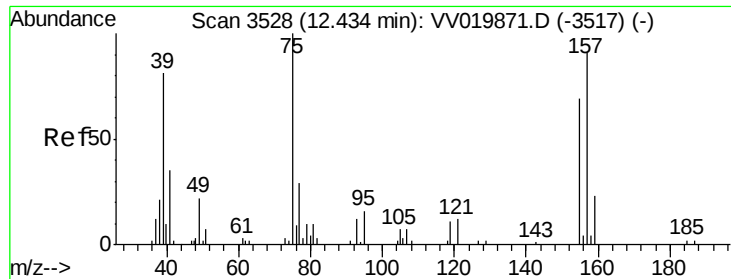


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 0.177 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA\_V

ClientSampleId :

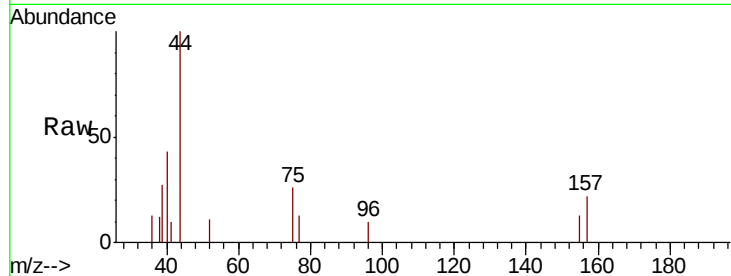
Tot Ion: 75 Resp: 436

Ion Ratio Lower Upper

75 100

155 48.7 56.5 84.7#

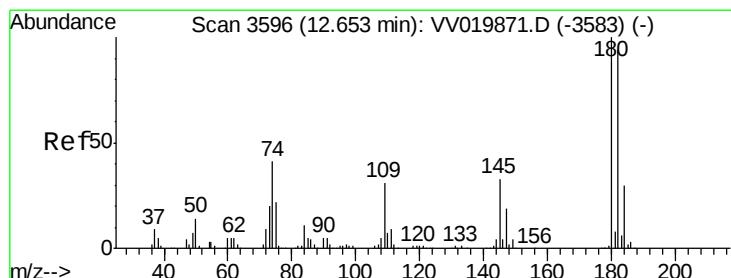
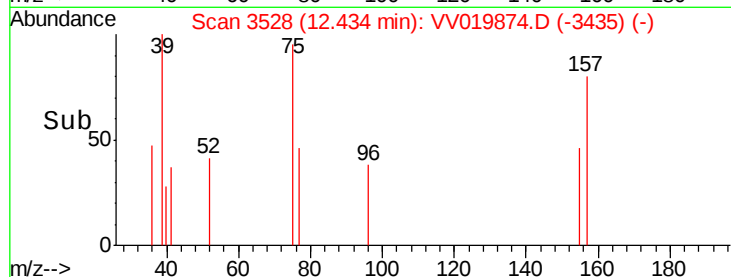
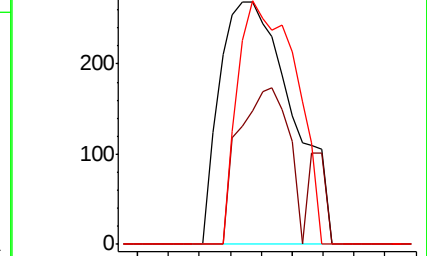
157 84.0 74.2 111.2



Abundance Ion 75.05 (74.75 to 75.75): VV019874.D (-3517) (-)

Ion 154.95 (154.65 to 155.65): VV019874.D (-3517) (-)

Ion 156.90 (156.60 to 157.60): VV019874.D (-3517) (-)



#69

1,3,5-Trichlorobenzene

Concen: 0.221 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VV019874.D

Acq: 30 Dec 2020 12:29

Tgt Ion: 180 Resp: 6451

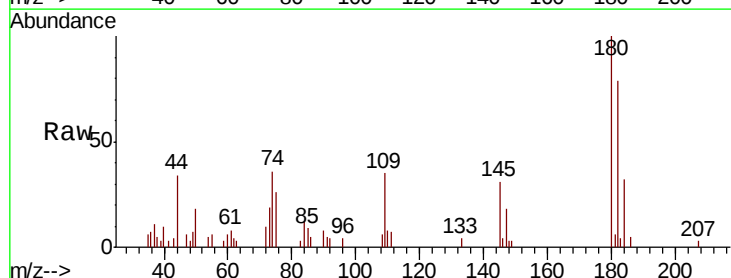
Ion Ratio Lower Upper

180 100

182 85.0 75.9 113.9

184 29.1 23.5 35.3

145 28.6 26.2 39.2

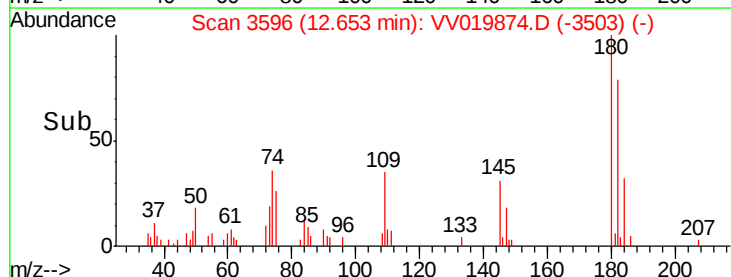
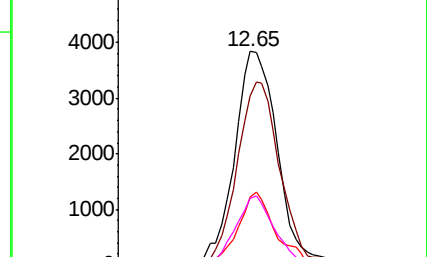


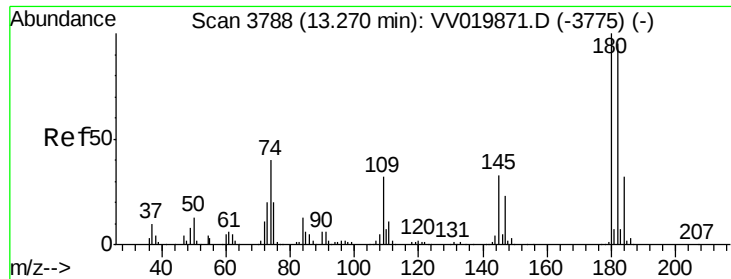
Abundance Ion 180.00 (179.70 to 180.70): VV019874.D (-3583) (-)

Ion 182.00 (181.70 to 182.70): VV019874.D (-3583) (-)

Ion 184.00 (183.70 to 184.70): VV019874.D (-3583) (-)

Ion 145.00 (144.70 to 145.70): VV019874.D (-3583) (-)

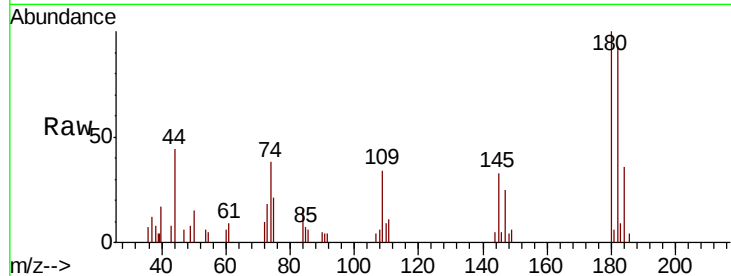




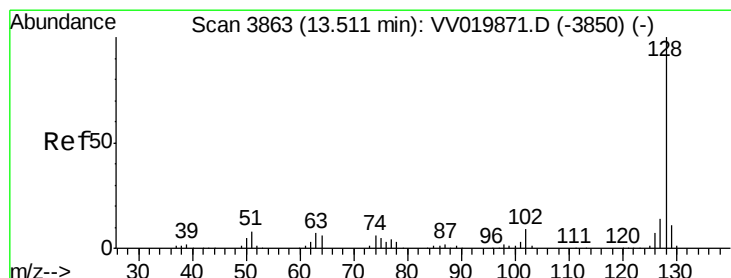
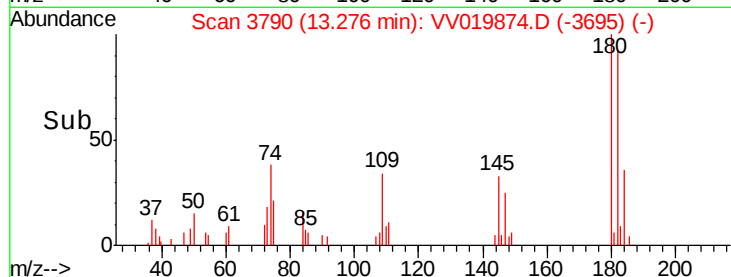
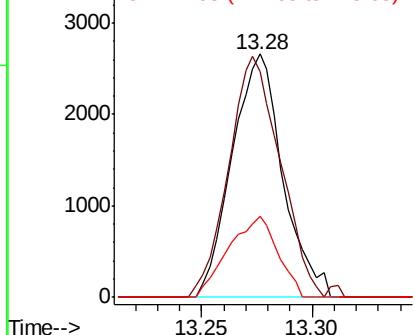
#70  
1,2,4-trichlorobenzene  
Concen: 0.179 ug/L  
RT: 13.28 min Scan# 3790  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:180 Resp: 4252  
Ion Ratio Lower Upper  
180 100  
182 100.3 75.9 113.9  
145 32.0 26.6 39.8

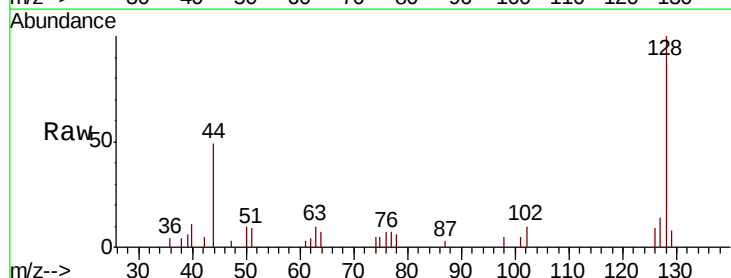


Abundance Ion 179.90 (179.60 to 180.60): V  
Ion 182.00 (181.70 to 182.70): V  
Ion 144.95 (144.65 to 145.65): V

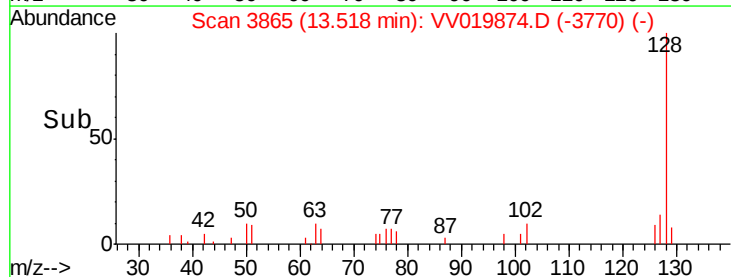
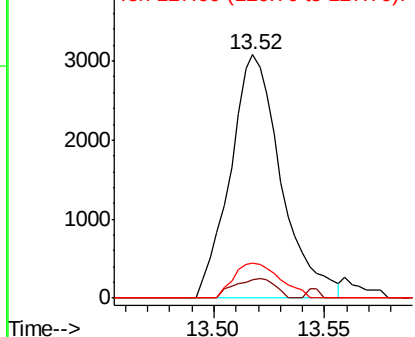


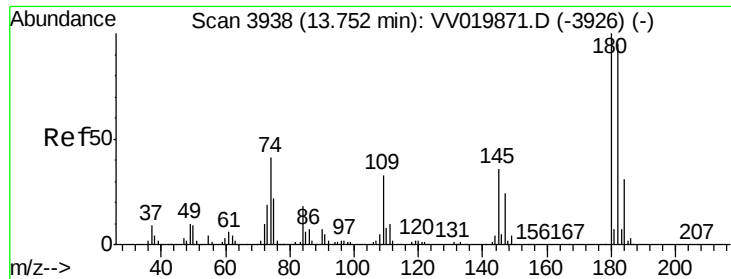
#71  
Naphthalene  
Concen: 0.137 ug/L  
RT: 13.52 min Scan# 3865  
Delta R.T. 0.01 min  
Lab File: VV019874.D  
Acq: 30 Dec 2020 12:29

Tgt Ion:128 Resp: 4927  
Ion Ratio Lower Upper  
128 100  
129 6.4 8.5 12.7#  
127 13.2 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V

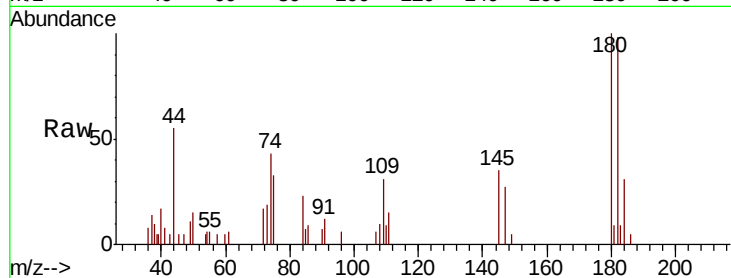




#72  
 1,2,3-Trichlorobenzene  
 Concen: 0.172 ug/L  
 RT: 13.76 min Scan# 3939  
 Delta R.T. 0.00 min  
 Lab File: VV019874.D  
 Acq: 30 Dec 2020 12:29

Instrument :  
 MSVOA\_V  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.8  | 74.6  | 112.0 |
| 145     | 35.8  | 28.8  | 43.2  |



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

