

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY102219\  
 Data File : VY000371.D  
 Acq On : 22 Oct 2019 18:01  
 Operator : SY/MD  
 Sample : K5494-04  
 Misc : 9.12G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-6FT

Quant Time: Oct 23 08:04:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 17 02:03:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 35643    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 51073    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 29673    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 10003    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 12717    | 33.82 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 67.64% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 6050     | 19.64 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 39.28% |          |
| 50) Toluene-d8              | 10.19 | 98   | 55875    | 47.15 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.30% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 10059    | 22.34 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 44.68% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 10) Methyl Iodide              | 4.10  | 142  | 329      | 1.804   | ug/l # | 41     |
| 11) Tert butyl alcohol         | 4.97  | 59   | 44       | 1.118   | ug/l # | 73     |
| 15) Acrylonitrile              | 5.19  | 53   | 133      | 1.119   | ug/l # | 37     |
| 16) Acetone                    | 3.96  | 43   | 1239     | 10.176  | ug/l # | 85     |
| 18) Methyl Acetate             | 4.48  | 43   | 910      | 3.008   | ug/l # | 88     |
| 20) Methylene Chloride         | 4.72  | 84   | 2977     | 2.042   | ug/l   | 88     |
| 25) 2-Butanone                 | 7.00  | 43   | 900      | 5.247   | ug/l # | 48     |
| 29) Tetrahydrofuran            | 7.38  | 42   | 367      | 3.531   | ug/l # | 34     |
| 31) Cyclohexane                | 7.80  | 56   | 1085     | 1.508   | ug/l # | 36     |
| 36) 1,1-Dichloropropene        | 7.81  | 75   | 2952     | 5.904   | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 4039     | 8.342   | ug/l # | 19     |
| 49) 1,4-Dioxane                | 9.31  | 88   | 225      | 75.698  | ug/l # | 24     |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 2766     | 9.526   | ug/l   | 91     |
| 59) 2-Hexanone                 | 10.84 | 43   | 2720     | 13.346  | ug/l   | 95     |
| 68) m/p-Xylenes                | 11.71 | 106  | 844      | 1.902   | ug/l # | 48     |
| 74) N-amyl acetate             | 12.14 | 43   | 901      | 4.705   | ug/l # | 92     |
| 76) 1,2,3-Trichloropropane     | 12.49 | 75   | 5980     | 48.617  | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.85 | 91   | 746      | 1.442   | ug/l   | 83     |
| 81) trans-1,4-Dichloro-2-buten | 12.49 | 75   | 5980     | 106.372 | ug/l # | 14     |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 746      | 1.365   | ug/l   | 83     |
| 83) tert-Butylbenzene          | 13.08 | 119  | 694      | 1.253   | ug/l   | 75     |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 940      | 1.456   | ug/l   | 66     |
| 85) sec-Butylbenzene           | 13.25 | 105  | 933      | 1.164   | ug/l   | 94     |
| 86) p-Isopropyltoluene         | 13.38 | 119  | 1266     | 1.812   | ug/l   | 90     |
| 87) 1,3-Dichlorobenzene        | 13.37 | 146  | 643      | 1.880   | ug/l   | 92     |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 643      | 1.881   | ug/l   | 91     |
| 89) n-Butylbenzene             | 13.69 | 91   | 1236     | 1.791   | ug/l   | 92     |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 437      | 1.412   | ug/l   | 85     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 86       | 3.096   | ug/l # | 1      |
| 93) 1,2,4-Trichlorobenzene     | 15.02 | 180  | 768      | 3.564   | ug/l   | 86     |
| 94) Hexachlorobutadiene        | 15.11 | 225  | 213      | 1.827   | ug/l # | 19     |
| 95) Naphthalene                | 15.24 | 128  | 4525     | 9.411   | ug/l # | 94     |
| 96) 1,2,3-Trichlorobenzene     | 15.41 | 180  | 639      | 3.291   | ug/l   | 78     |

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TP1-6FT

Quant Time: Oct 23 08:04:46 2019  
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Quant Title : SW846 8260  
QLast Update : Thu Oct 17 02:03:07 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

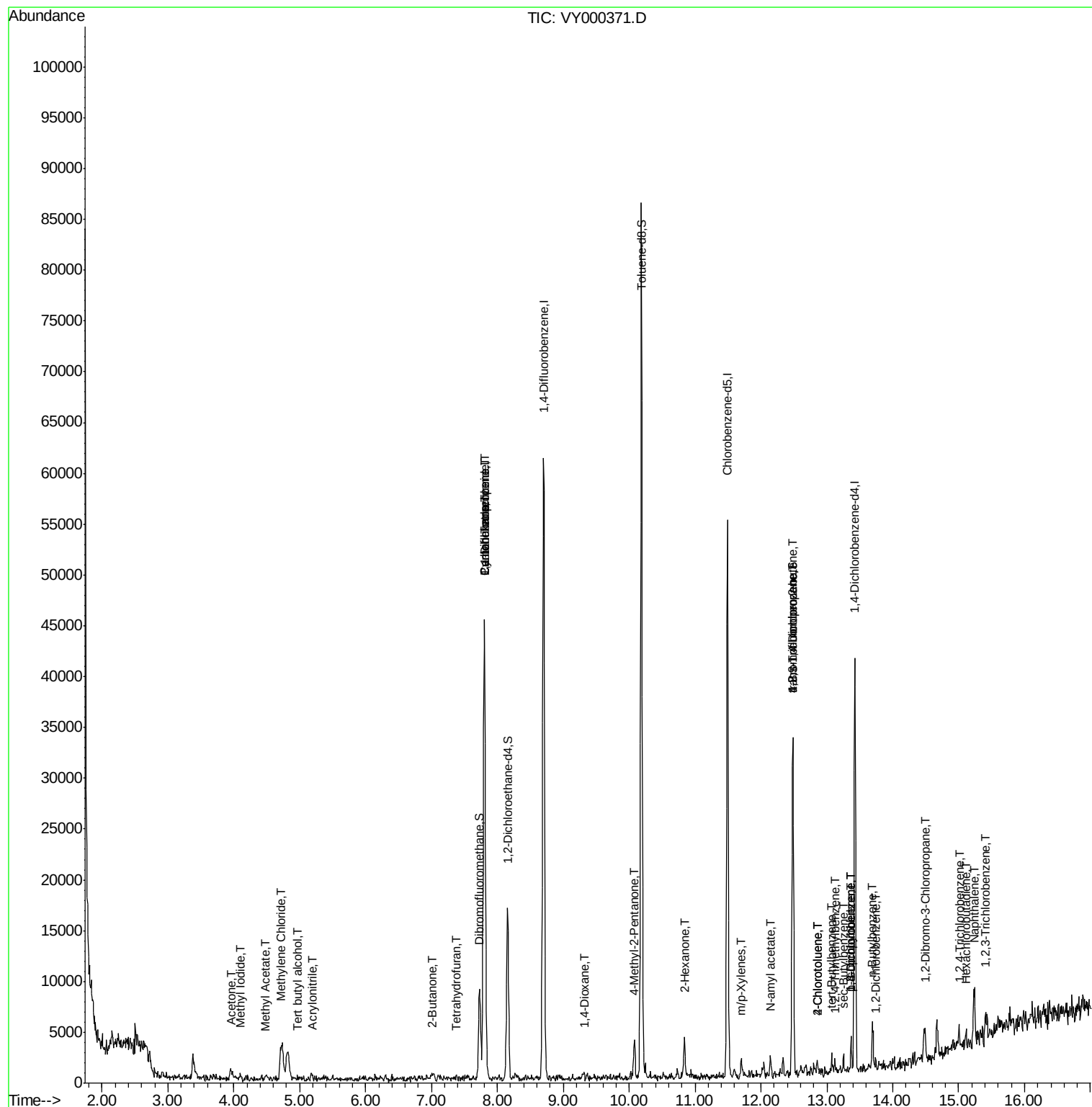
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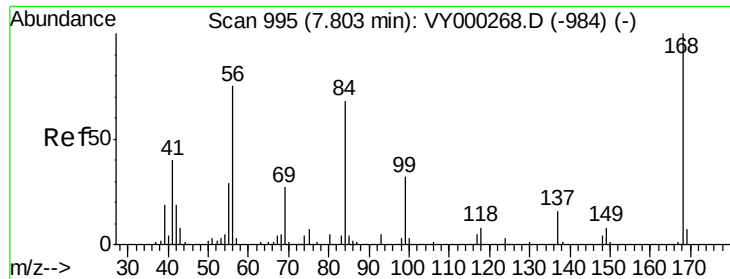
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

Instrument :

MSVOA\_Y

ClientSampleId :

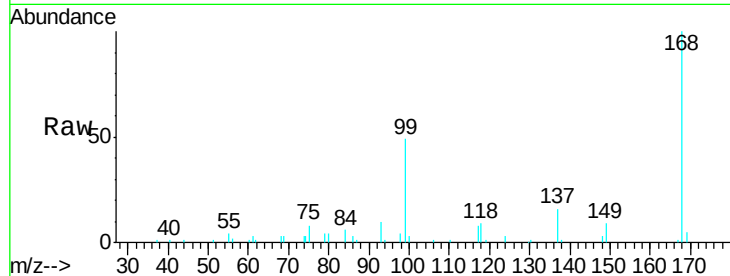
TP1-6FT

Tgt Ion:168 Resp: 35643

Ion Ratio Lower Upper

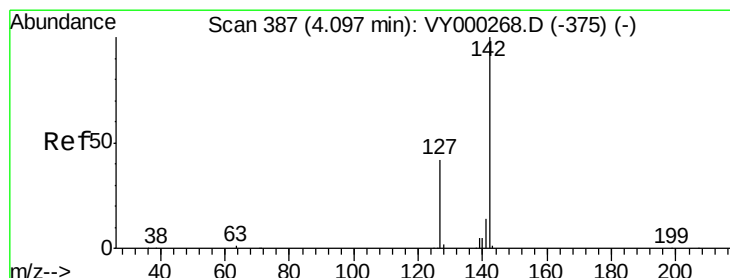
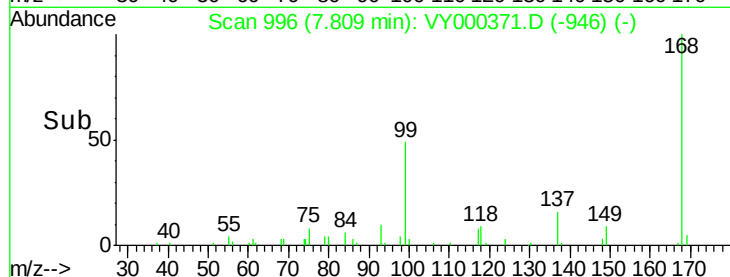
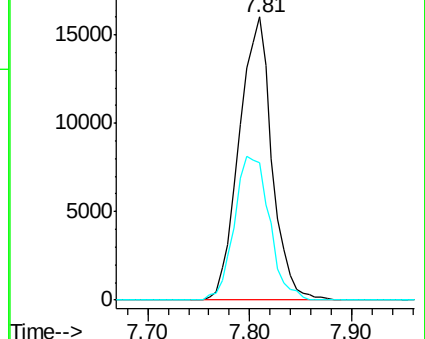
168 100

99 48.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 1.804 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

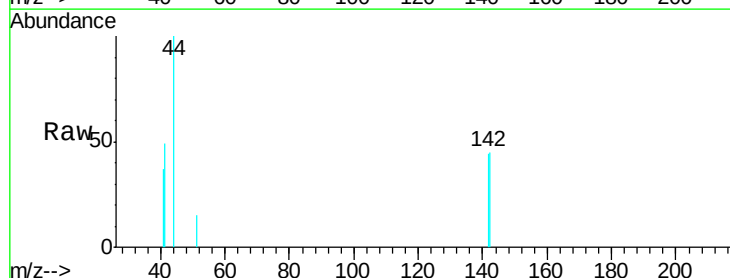
Tgt Ion:142 Resp: 329

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

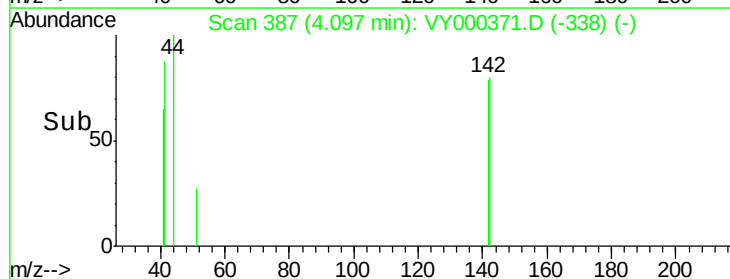
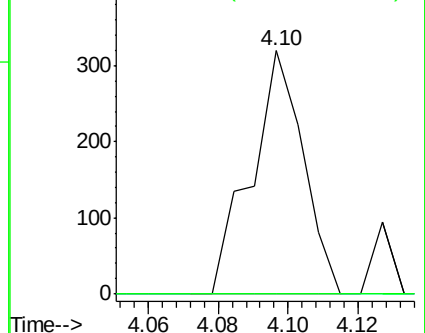
141 0.0 11.2 16.8#

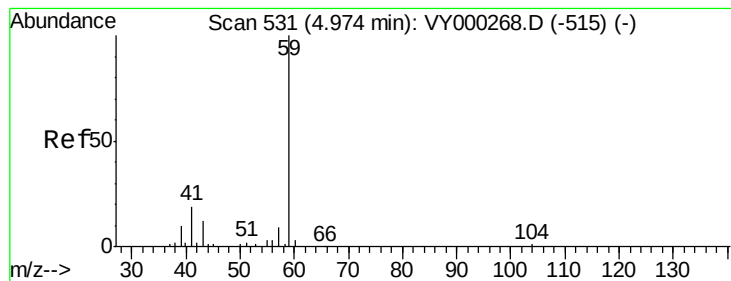


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



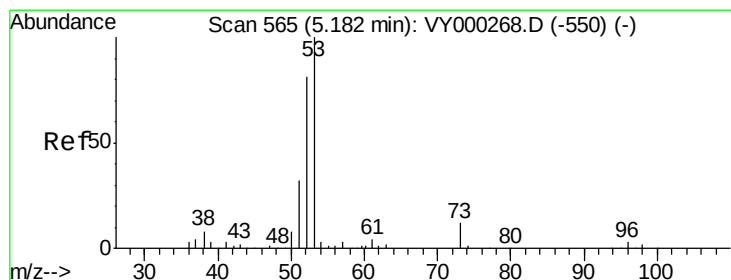
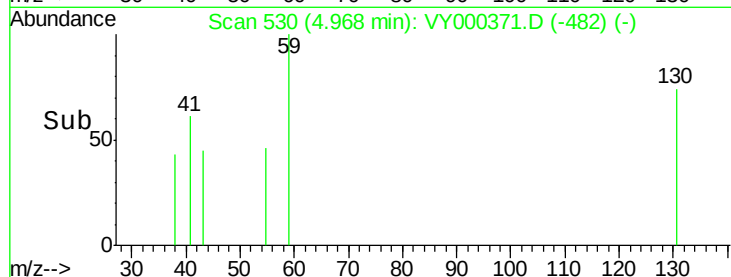
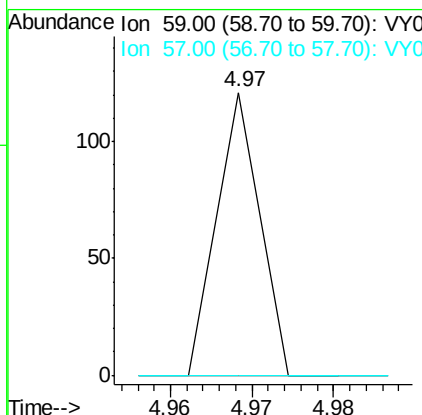
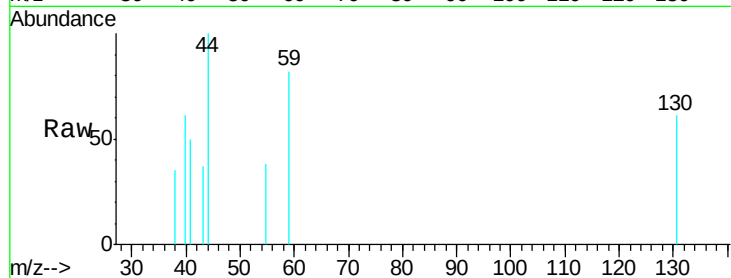


#11

Tert butyl alcohol  
 Concen: 1.118 ug/l  
 RT: 4.97 min Scan# 530  
 Delta R.T. -0.01 min  
 Lab File: VY000371.D  
 Acq: 22 Oct 2019 18:01

Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 TP1-6FT

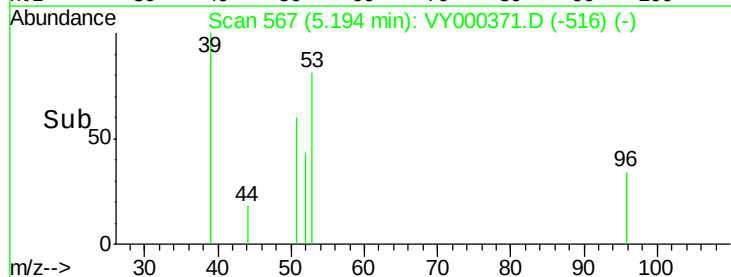
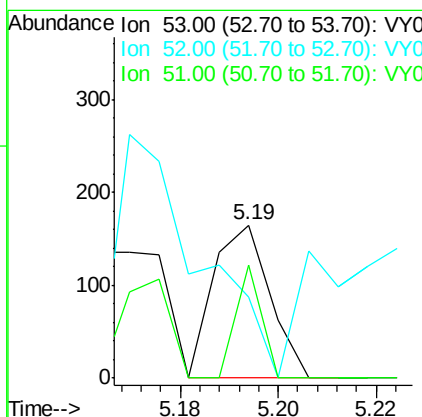
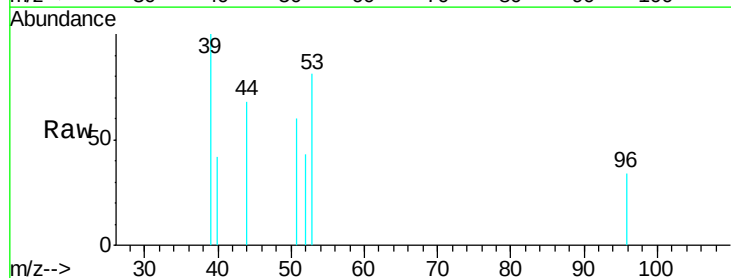
Tgt Ion: 59 Resp: 44  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.2 12.2#

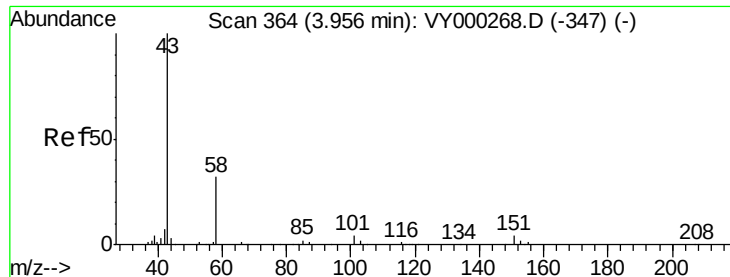


#15

Acrylonitrile  
 Concen: 1.119 ug/l  
 RT: 5.19 min Scan# 567  
 Delta R.T. 0.01 min  
 Lab File: VY000371.D  
 Acq: 22 Oct 2019 18:01

Tgt Ion: 53 Resp: 133  
 Ion Ratio Lower Upper  
 53 100  
 52 0.0 62.9 94.3#  
 51 33.1 26.9 40.3





#16

Acetone

Concen: 10.176 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

Instrument :

MSVOA\_Y

ClientSampleId :

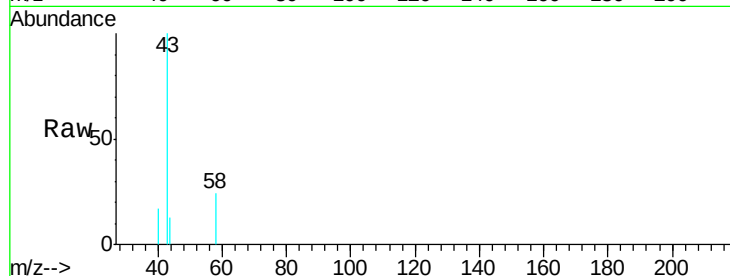
TP1-6FT

Tgt Ion: 43 Resp: 1239

Ion Ratio Lower Upper

43 100

58 23.7 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

800

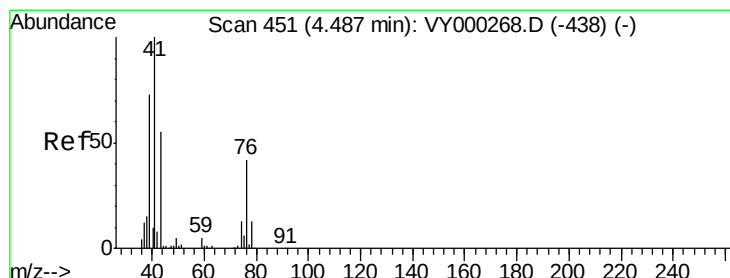
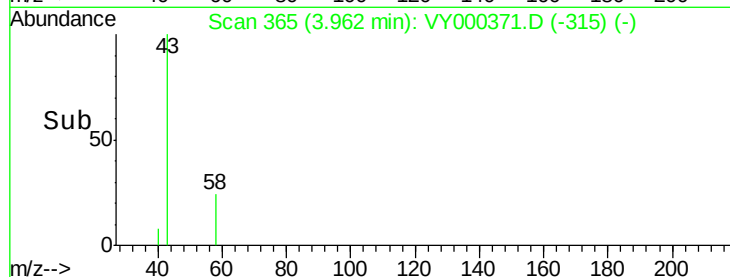
600

400

200

0

Time--> 3.90 3.95



#18

Methyl Acetate

Concen: 3.008 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000371.D

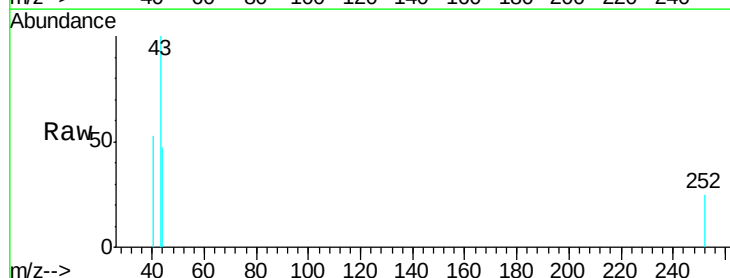
Acq: 22 Oct 2019 18:01

Tgt Ion: 43 Resp: 910

Ion Ratio Lower Upper

43 100

74 19.7 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

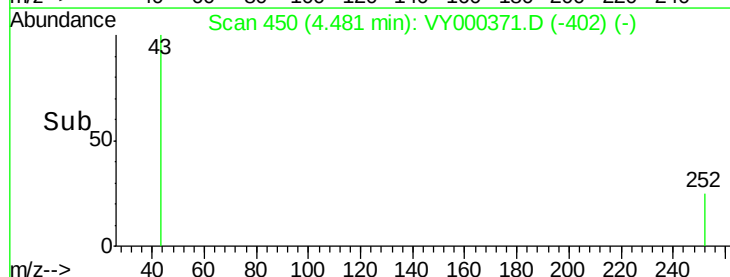
300

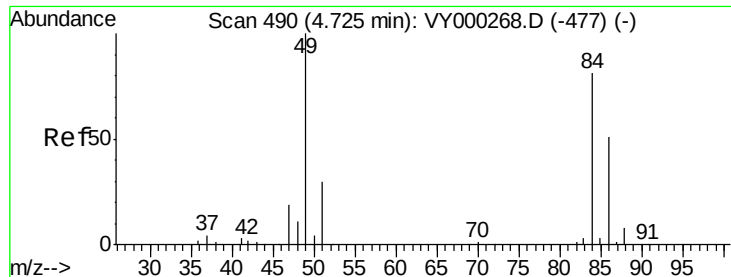
200

100

0

Time--> 4.40 4.45 4.50 4.55

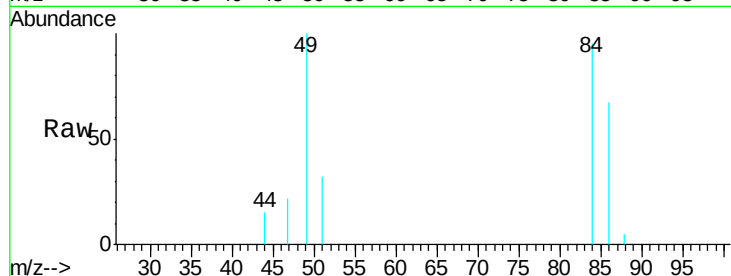




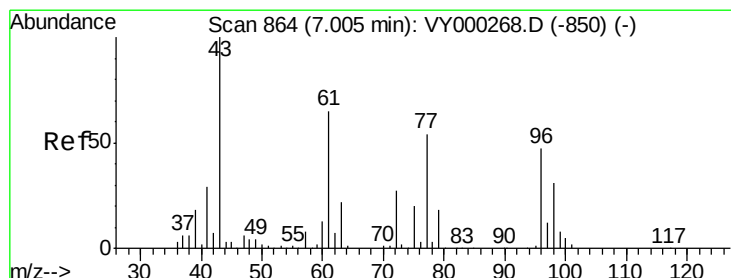
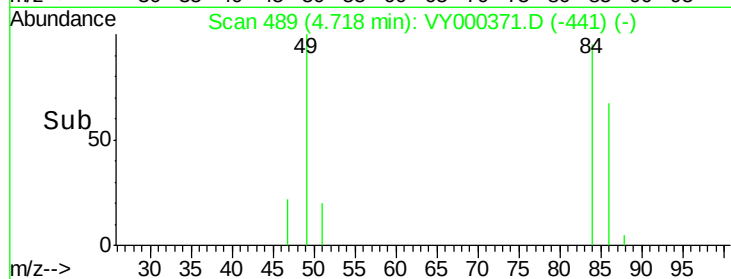
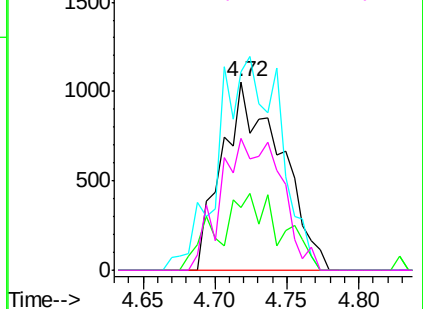
#20  
Methylene Chloride  
Concen: 2.042 ug/l  
RT: 4.72 min Scan# 489  
Delta R.T. -0.01 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Instrument :  
MSVOA\_Y  
ClientSampled :  
TP1-6FT

Tgt Ion: 84 Resp: 2977  
Ion Ratio Lower Upper  
84 100  
49 105.7 99.0 148.4  
51 33.4 29.3 43.9  
86 70.4 50.2 75.4

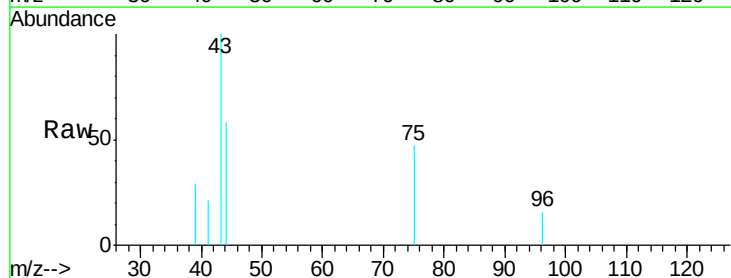


Abundance Ion 83.90 (83.60 to 84.60): VY0  
Ion 48.90 (48.60 to 49.60): VY0  
Ion 50.90 (50.60 to 51.60): VY0  
Ion 85.90 (85.60 to 86.60): VY0

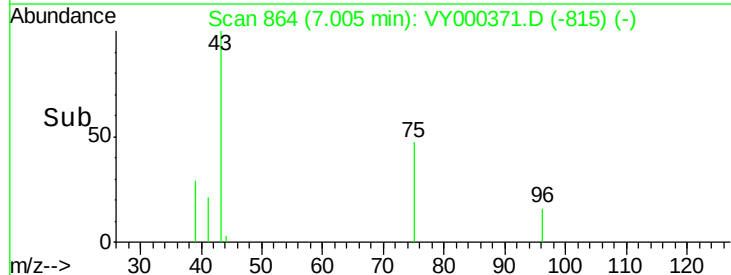
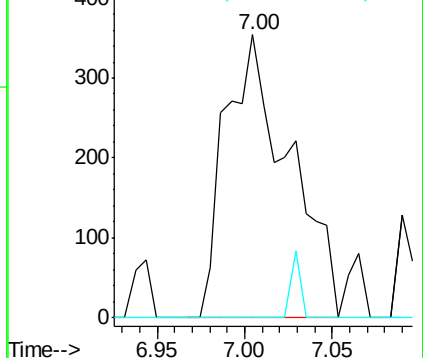


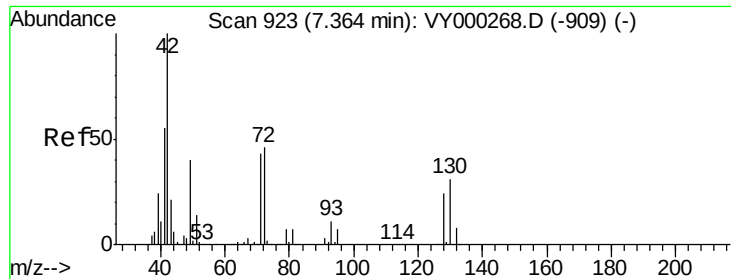
#25  
2-Butanone  
Concen: 5.247 ug/l  
RT: 7.00 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Tgt Ion: 43 Resp: 900  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0  
Ion 72.00 (71.70 to 72.70): VY0

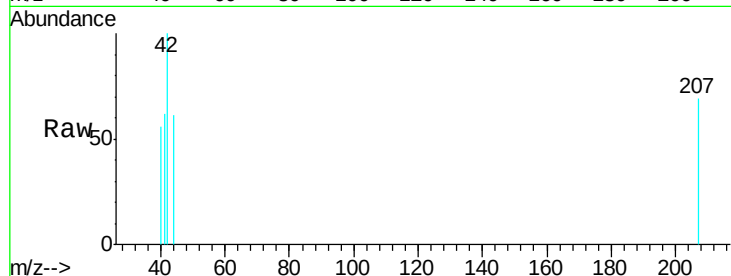




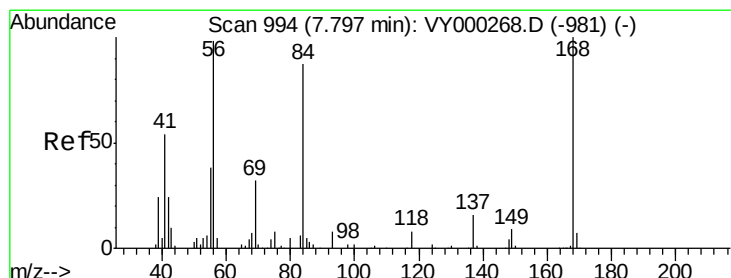
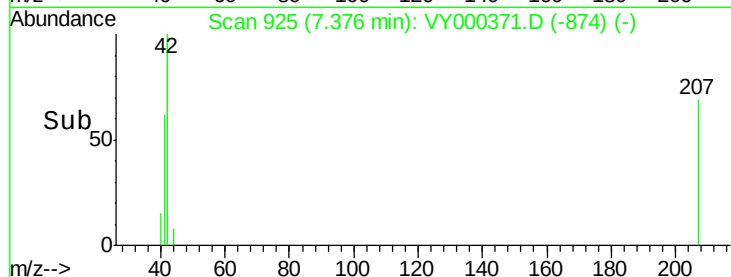
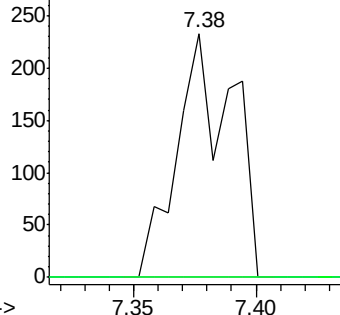
#29  
Tetrahydrofuran  
Concen: 3.531 ug/l  
RT: 7.38 min Scan# 925  
Delta R.T. 0.01 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-6FT

Tgt Ion: 42 Resp: 367  
Ion Ratio Lower Upper  
42 100  
72 0.0 34.5 51.7#  
71 0.0 32.7 49.1#

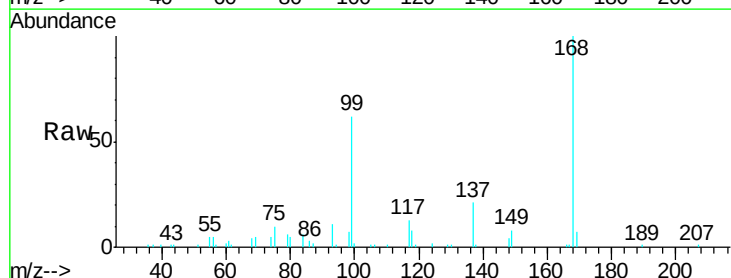


Abundance Ion 42.00 (41.70 to 42.70): VY0  
Ion 72.00 (71.70 to 72.70): VY0  
Ion 71.00 (70.70 to 71.70): VY0

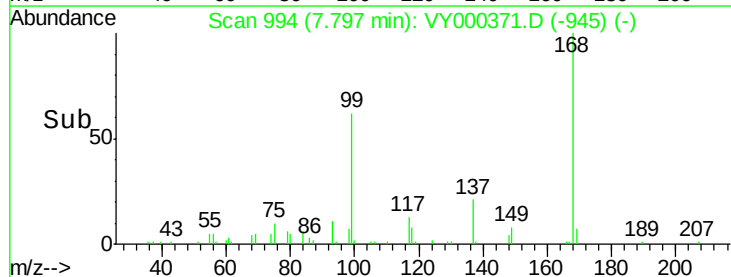
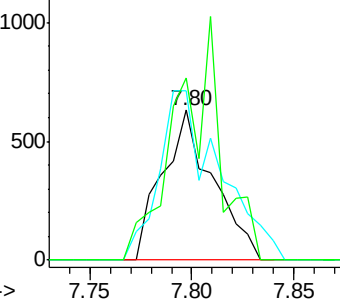


#31  
Cyclohexane  
Concen: 1.508 ug/l  
RT: 7.80 min Scan# 994  
Delta R.T. -0.00 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

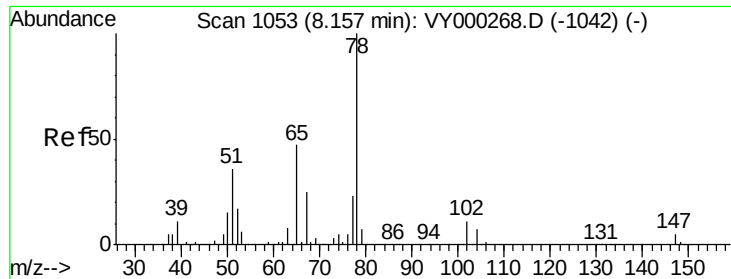
Tgt Ion: 56 Resp: 1085  
Ion Ratio Lower Upper  
56 100  
69 113.2 26.3 39.5#  
84 121.2 70.8 106.2#



Abundance Ion 56.00 (55.70 to 56.70): VY0  
Ion 69.00 (68.70 to 69.70): VY0  
Ion 84.00 (83.70 to 84.70): VY0



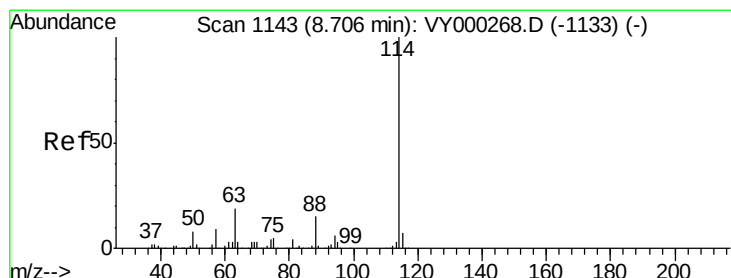
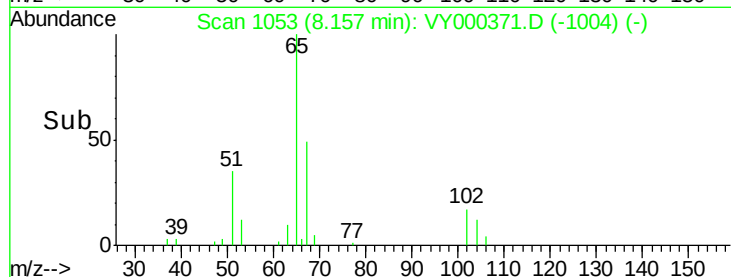
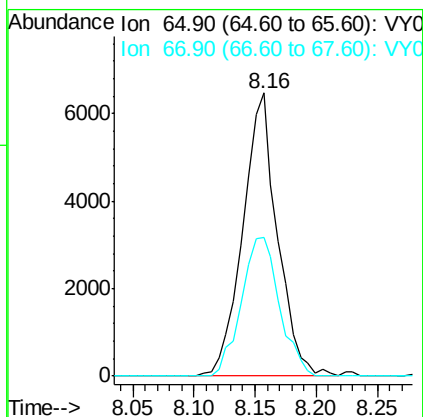
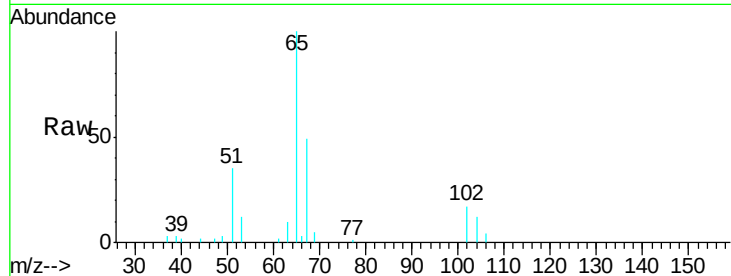




#33  
 1,2-Dichloroethane-d4  
 Concen: 33.824 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VY000371.D  
 Acq: 22 Oct 2019 18:01

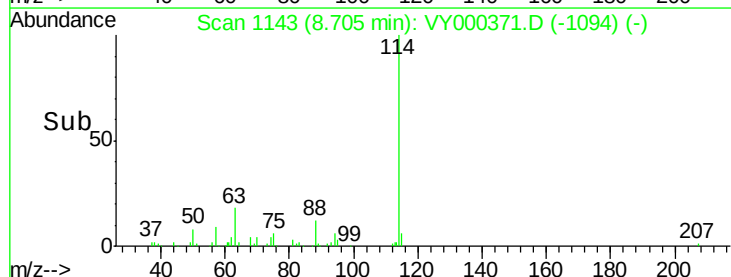
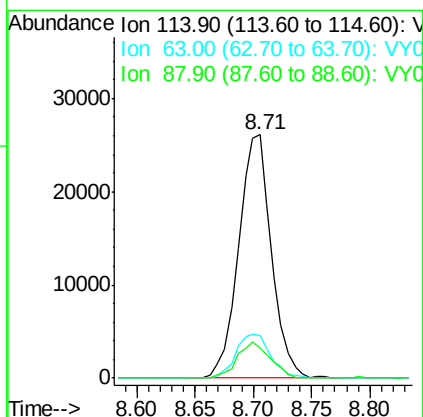
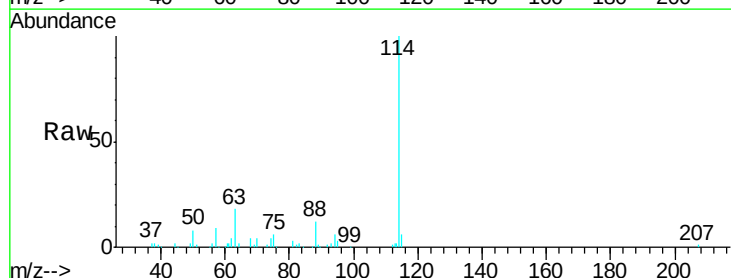
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-6FT

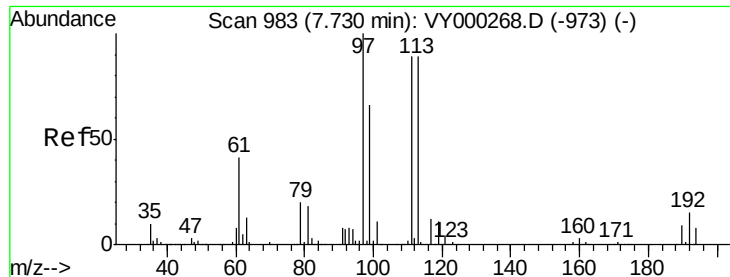
Tgt Ion: 65 Resp: 12717  
 Ion Ratio Lower Upper  
 65 100  
 67 54.0 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. -0.00 min  
 Lab File: VY000371.D  
 Acq: 22 Oct 2019 18:01

Tgt Ion: 114 Resp: 51073  
 Ion Ratio Lower Upper  
 114 100  
 63 17.8 0.0 37.2  
 88 12.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 19.638 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

Instrument :

MSVOA\_Y

ClientSampleId :

TP1-6FT

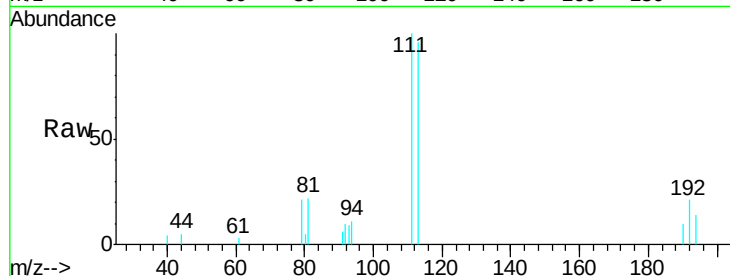
Tgt Ion:113 Resp: 6050

Ion Ratio Lower Upper

113 100

111 104.5 81.6 122.4

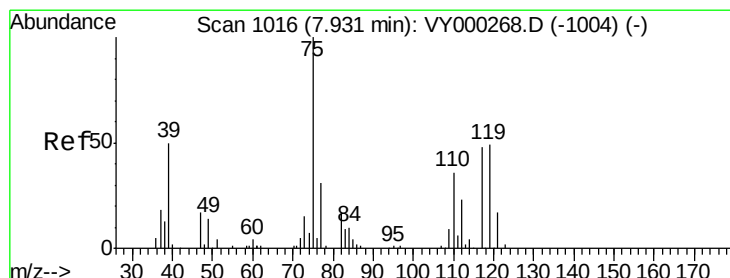
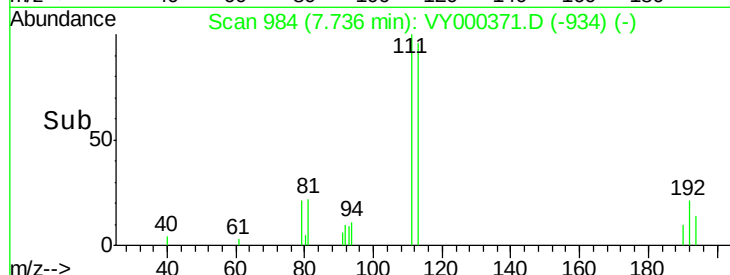
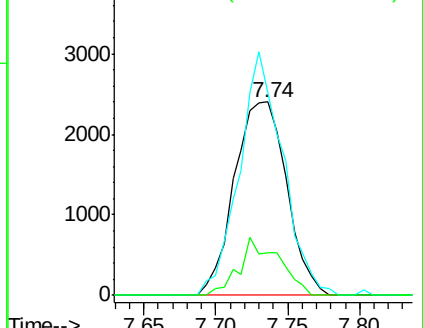
192 22.6 15.3 22.9



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: 5.904 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

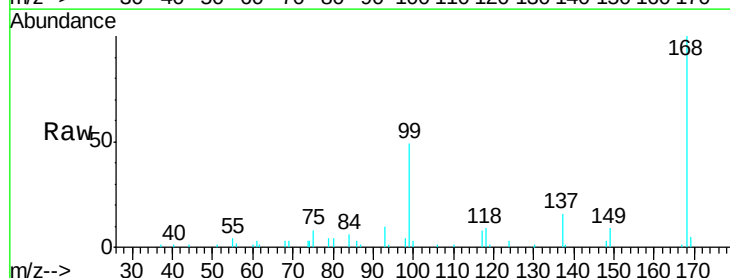
Tgt Ion: 75 Resp: 2952

Ion Ratio Lower Upper

75 100

110 10.7 18.4 55.4#

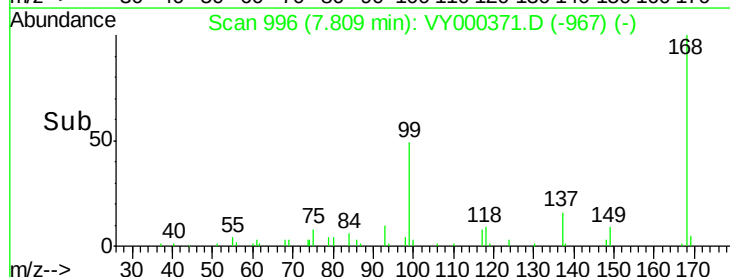
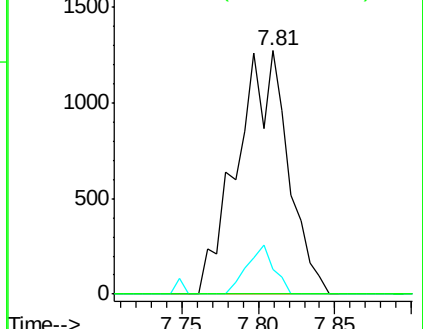
77 0.0 25.0 37.6#

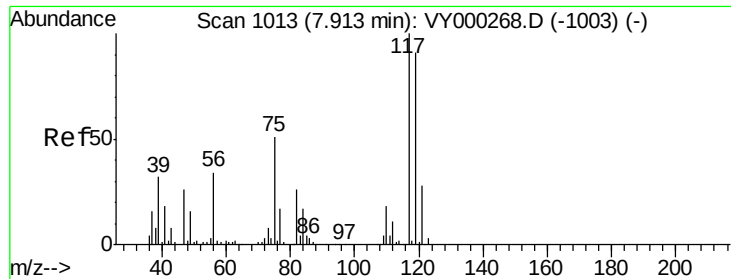


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

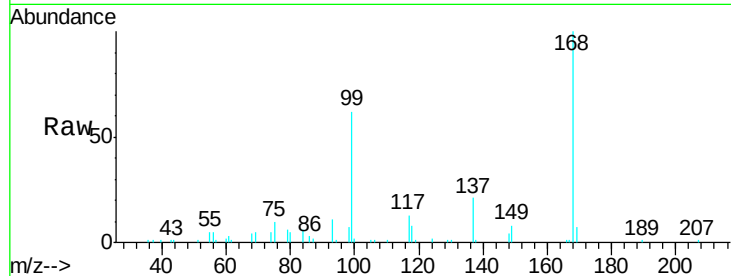




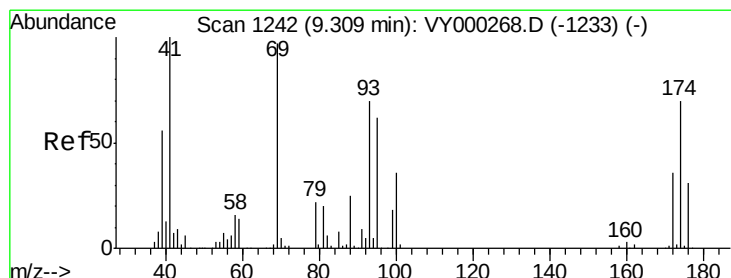
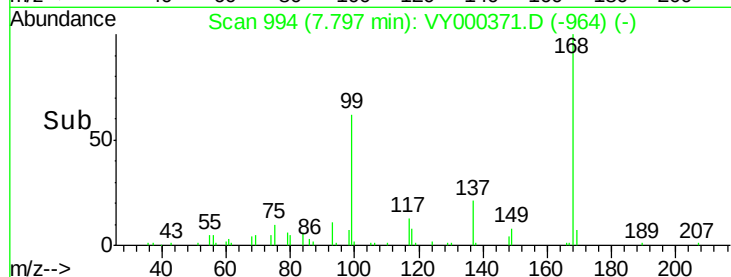
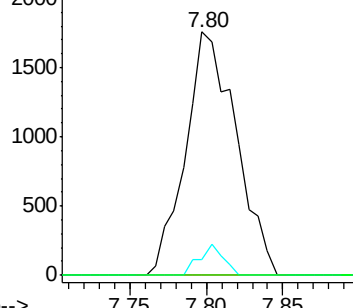
#38  
Carbon Tetrachloride  
Concen: 8.342 ug/l  
RT: 7.80 min Scan# 994  
Delta R.T. -0.12 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-6FT

Tgt Ion: 117 Resp: 4039  
Ion Ratio Lower Upper  
117 100  
119 6.4 72.8 109.2#  
121 0.0 22.2 33.2#

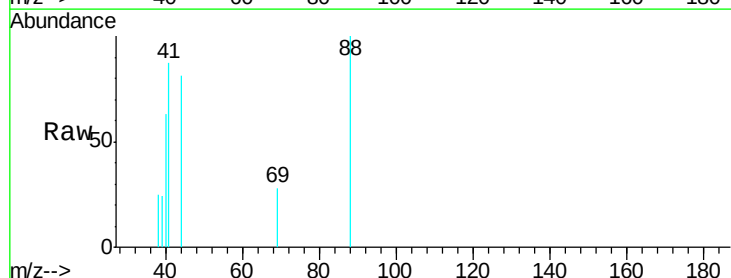


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

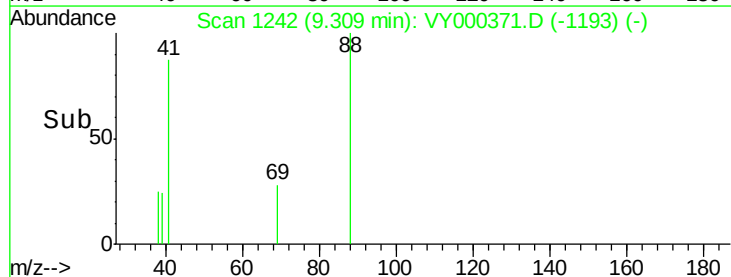
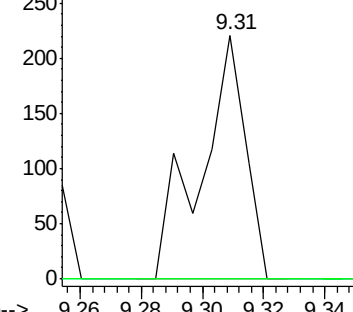


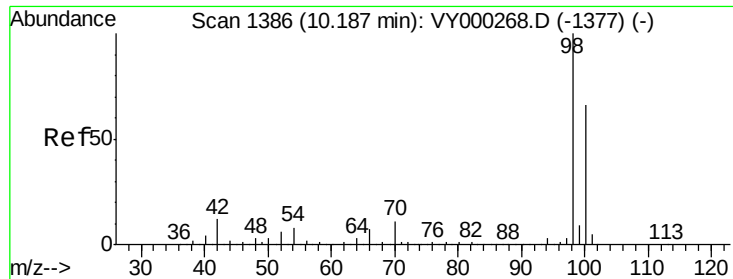
#49  
1,4-Dioxane  
Concen: 75.698 ug/l  
RT: 9.31 min Scan# 1242  
Delta R.T. -0.00 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Tgt Ion: 88 Resp: 225  
Ion Ratio Lower Upper  
88 100  
43 0.0 25.6 38.4#  
58 0.0 54.6 81.8#



Abundance Ion 88.00 (87.70 to 88.70): VY0  
Ion 43.00 (42.70 to 43.70): VY0  
Ion 58.00 (57.70 to 58.70): VY0

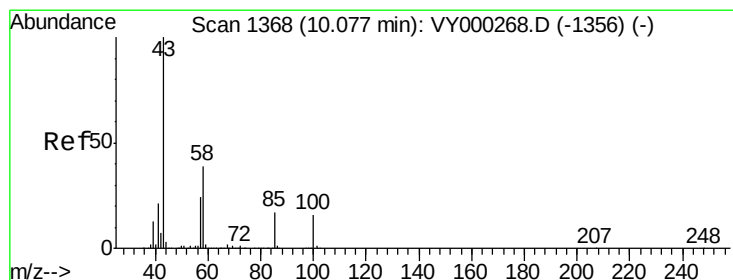
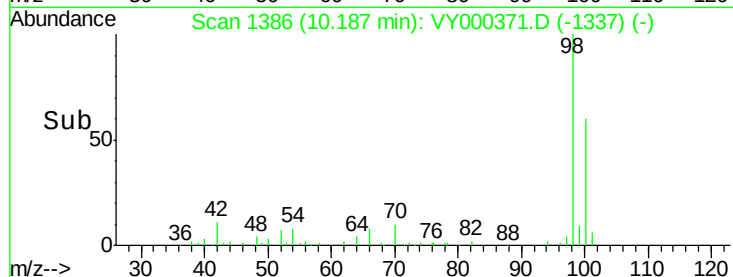
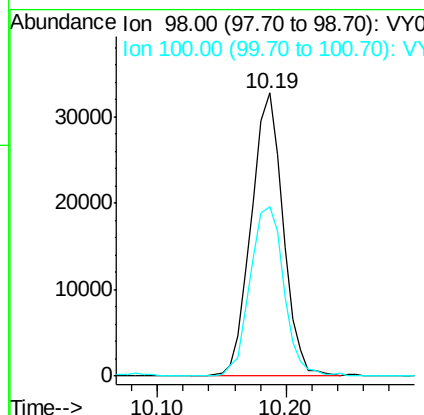
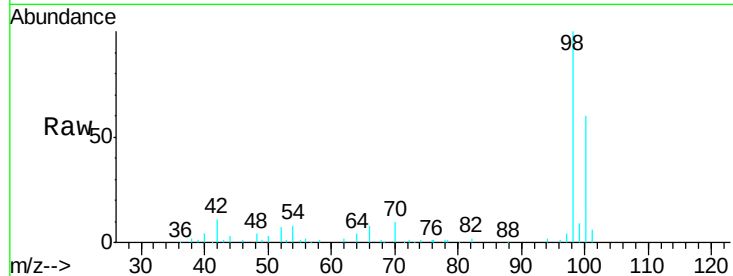




#50  
Toluene-d8  
Concen: 47.148 ug/l  
RT: 10.19 min Scan# 1386  
Delta R.T. -0.00 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

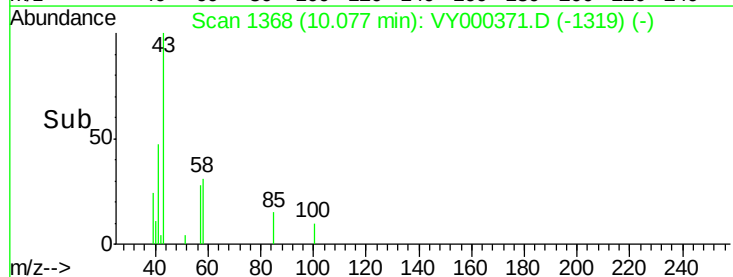
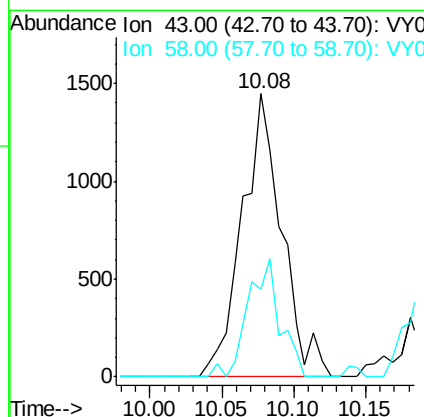
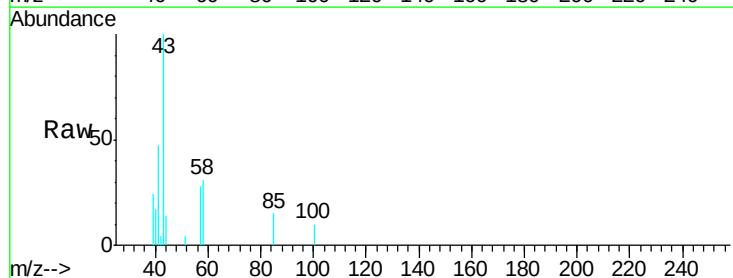
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP1-6FT

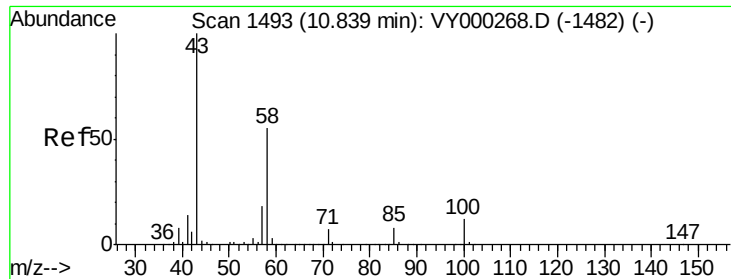
Tgt Ion: 98 Resp: 55875  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.8 79.2



#51  
4-Methyl-2-Pentanone  
Concen: 9.526 ug/l  
RT: 10.08 min Scan# 1368  
Delta R.T. -0.00 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Tgt Ion: 43 Resp: 2766  
Ion Ratio Lower Upper  
43 100  
58 33.5 31.0 46.6

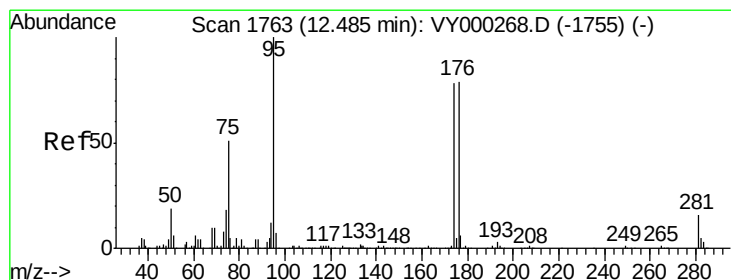
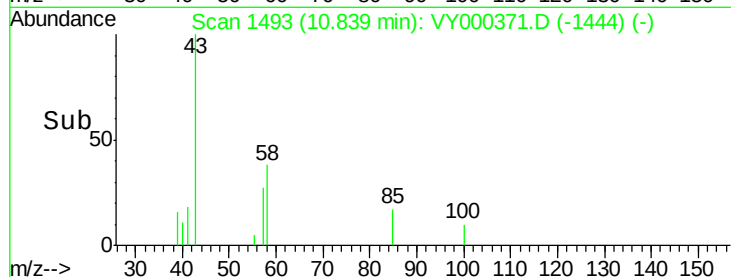
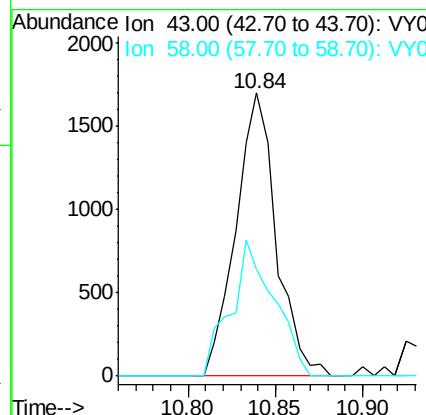
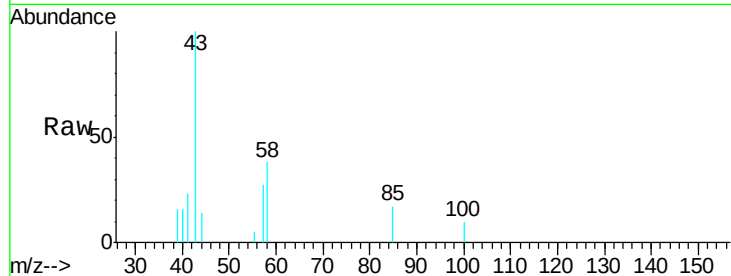




#59  
2-Hexanone  
Concen: 13.346 ug/l  
RT: 10.84 min Scan# 1493  
Delta R.T. -0.00 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

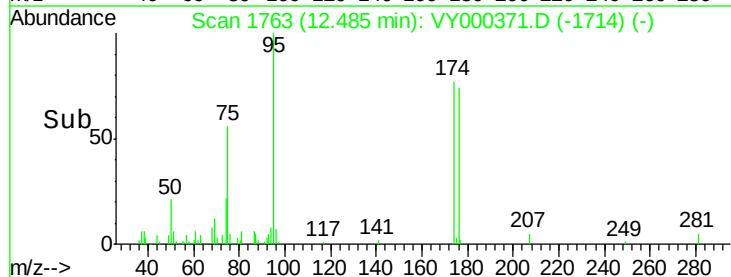
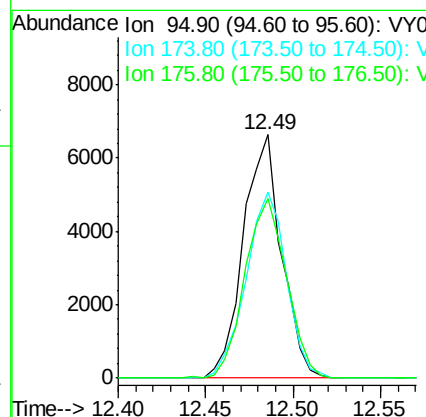
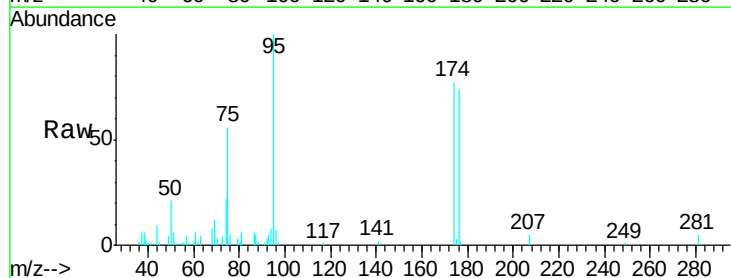
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP1-6FT

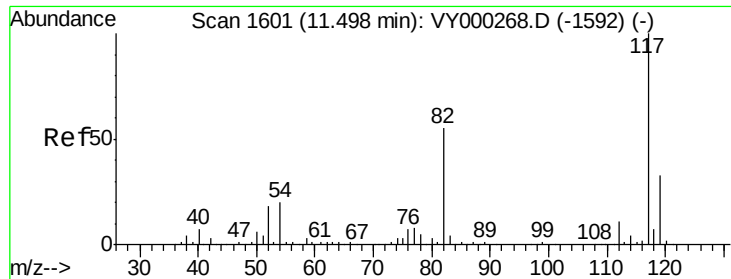
Tgt Ion: 43 Resp: 2720  
Ion Ratio Lower Upper  
43 100  
58 51.9 27.7 83.1



#62  
4-Bromofluorobenzene  
Concen: 22.342 ug/l  
RT: 12.49 min Scan# 1763  
Delta R.T. -0.00 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Tgt Ion: 95 Resp: 10059  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 159.6  
176 80.5 0.0 153.8

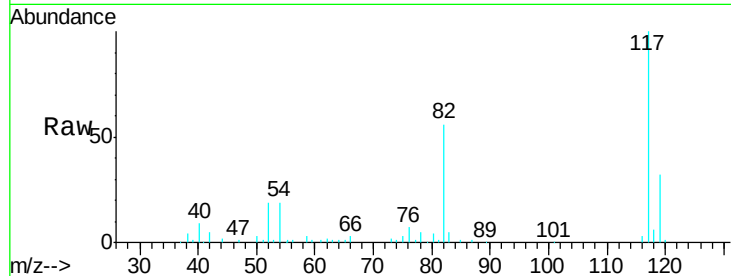




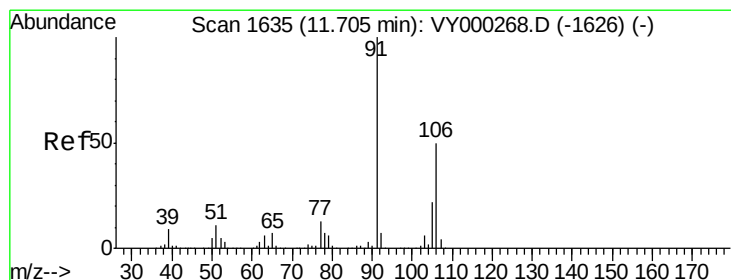
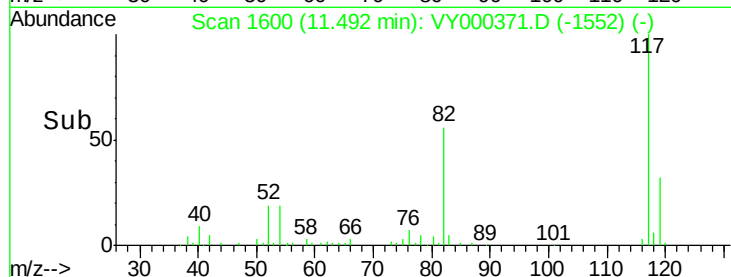
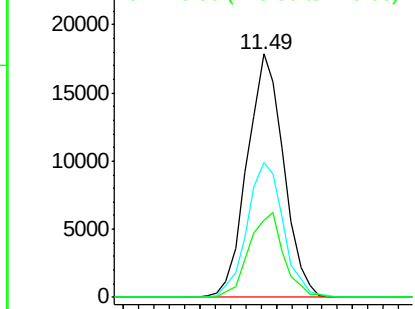
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-6FT

Tgt Ion:117 Resp: 29673  
Ion Ratio Lower Upper  
117 100  
82 55.5 43.7 65.5  
119 31.8 26.6 39.8

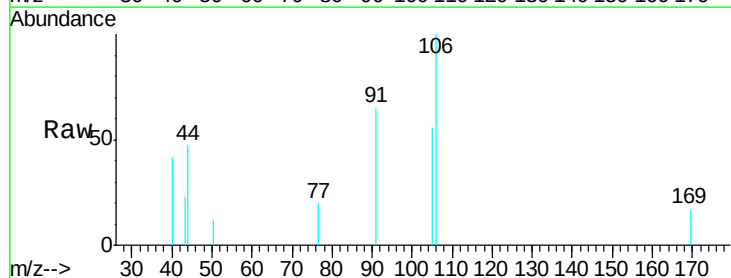


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V

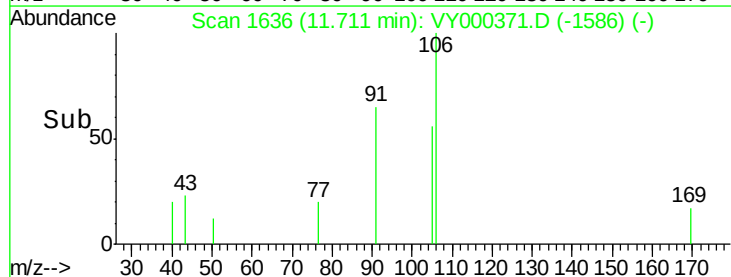
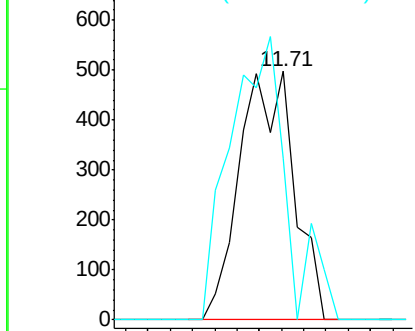


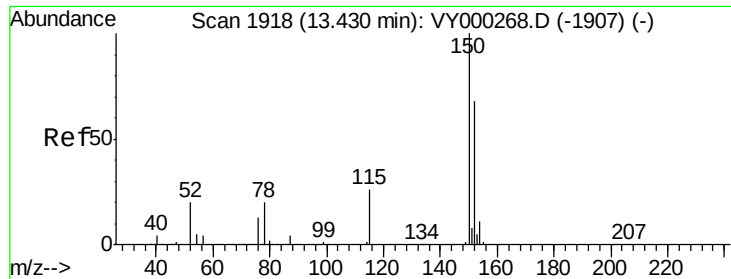
#68  
m/p-Xylenes  
Concen: 1.902 ug/l  
RT: 11.71 min Scan# 1636  
Delta R.T. 0.01 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Tgt Ion:106 Resp: 844  
Ion Ratio Lower Upper  
106 100  
91 118.8 157.5 236.3#



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

Instrument :

MSVOA\_Y

ClientSampleId :

TP1-6FT

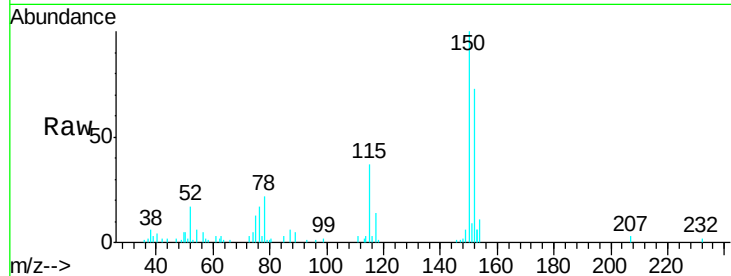
Tgt Ion:152 Resp: 10003

Ion Ratio Lower Upper

152 100

115 55.1 29.3 88.0

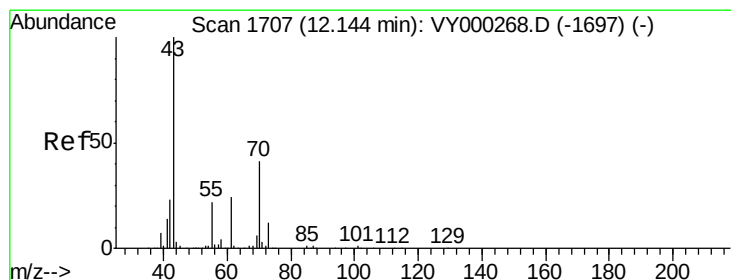
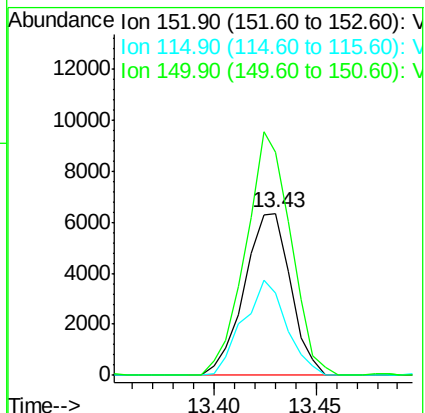
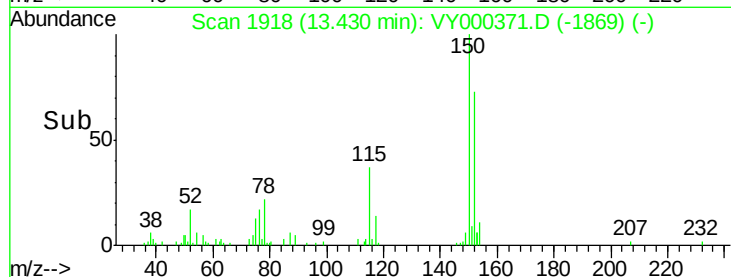
150 146.3 0.0 348.4



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



#74

N-ethyl acetate

Concen: 4.705 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

Tgt Ion: 43 Resp: 901

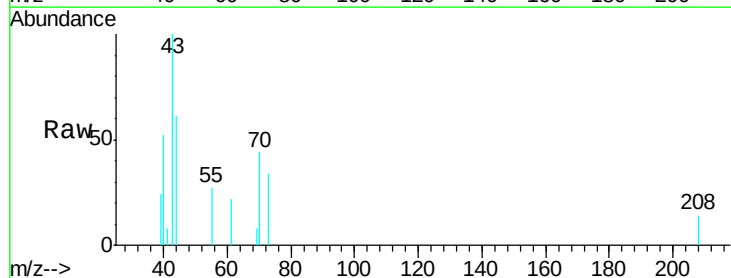
Ion Ratio Lower Upper

43 100

70 41.7 32.9 49.3

55 16.8 17.8 26.6#

61 16.3 19.5 29.3#

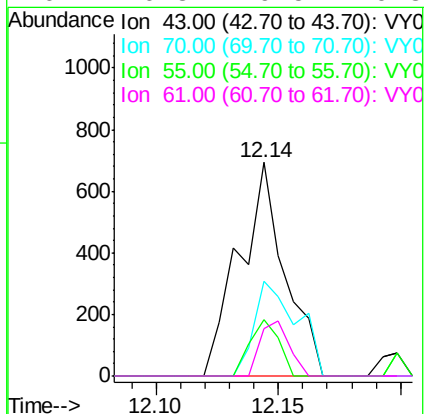
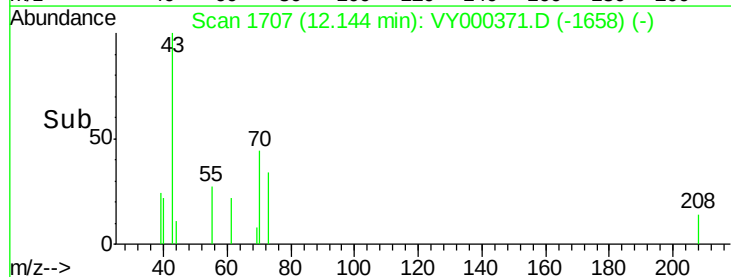


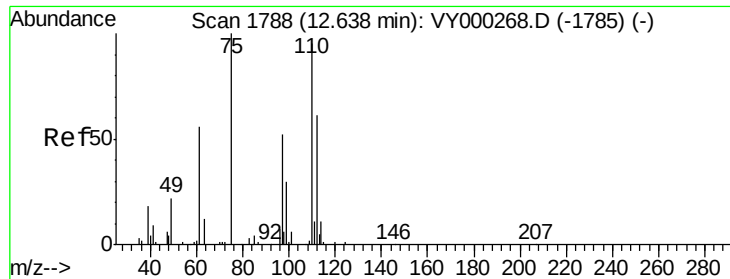
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#76

1,2,3-Trichloropropane

Concen: 48.617 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

Instrument :

MSVOA\_Y

ClientSampled :

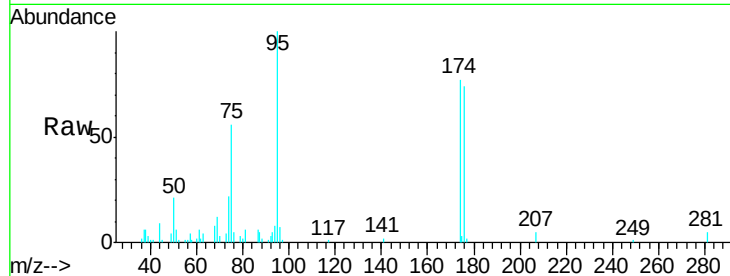
TP1-6FT

Tgt Ion: 75 Resp: 5980

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.49

4000

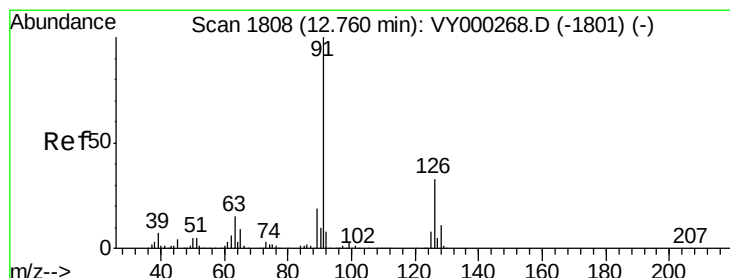
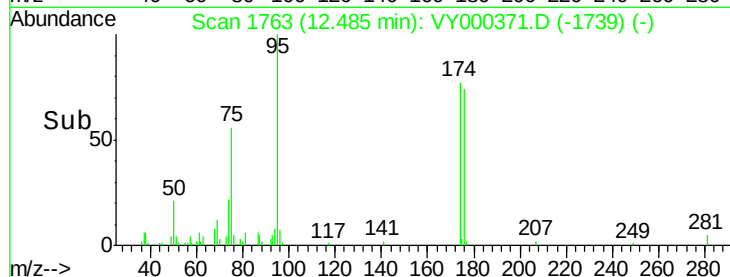
3000

2000

1000

0

Time-->



#79

2-Chlorotoluene

Concen: 1.442 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.09 min

Lab File: VY000371.D

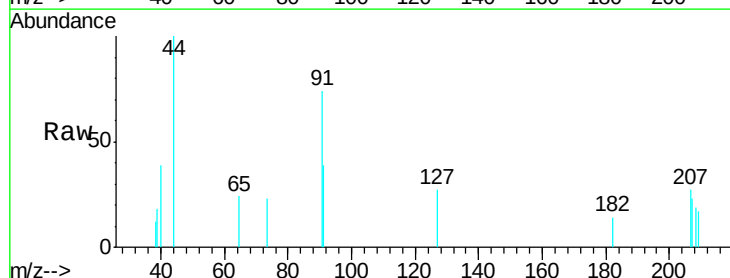
Acq: 22 Oct 2019 18:01

Tgt Ion: 91 Resp: 746

Ion Ratio Lower Upper

91 100

126 24.7 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

12.85

600

500

400

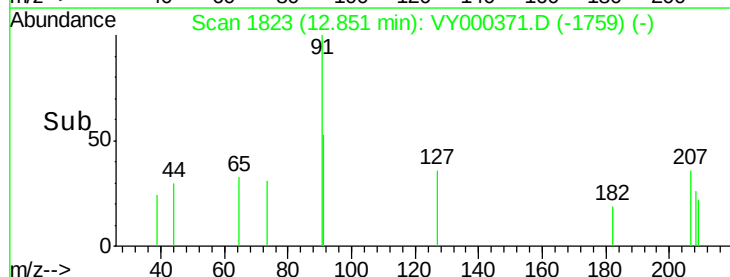
300

200

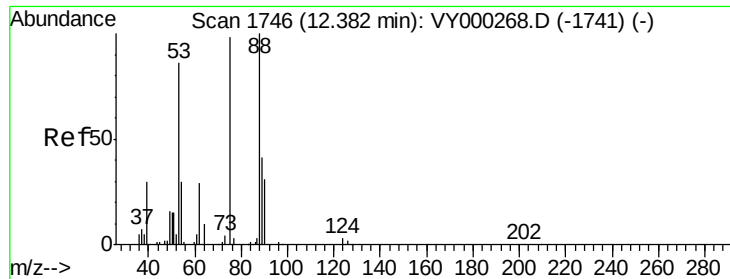
100

0

Time-->







#81

trans-1,4-Dichloro-2-butene

Concen: 106.372 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

Instrument :

MSVOA\_Y

ClientSampleId :

TP1-6FT

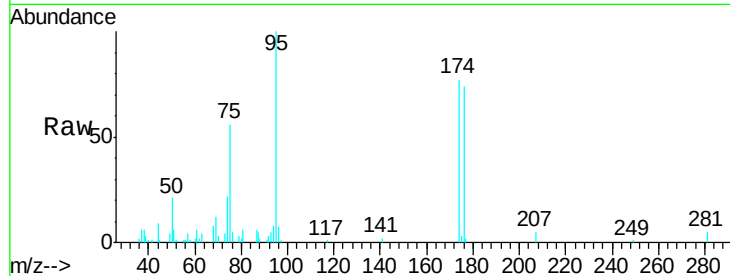
Tgt Ion: 75 Resp: 5980

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

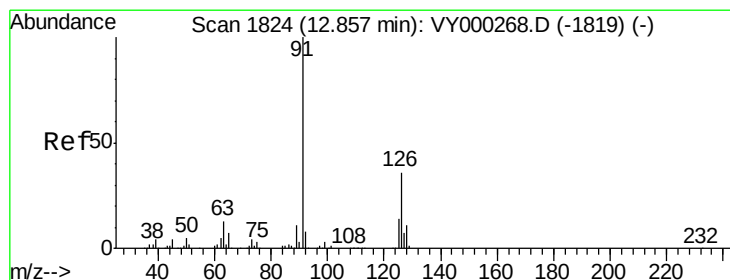
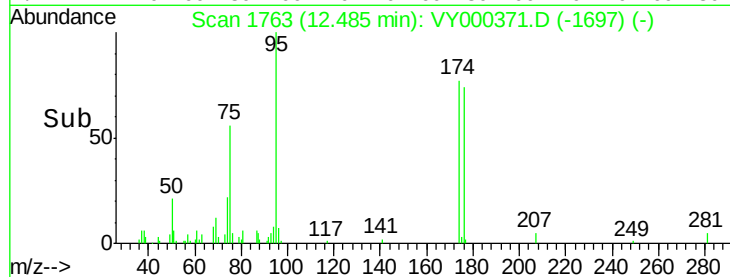
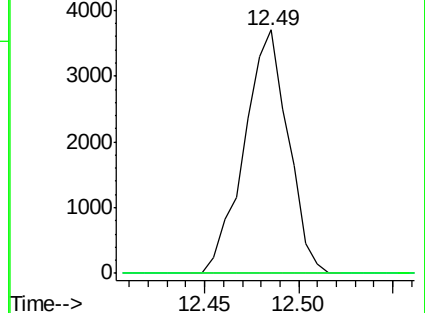
89 0.0 35.1 52.7#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 1.365 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VY000371.D

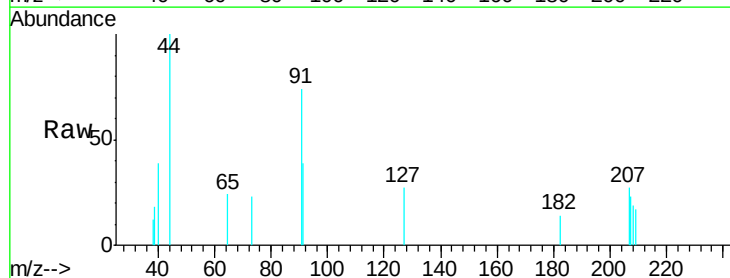
Acq: 22 Oct 2019 18:01

Tgt Ion: 91 Resp: 746

Ion Ratio Lower Upper

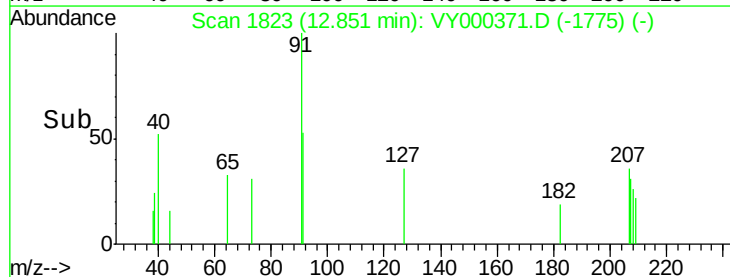
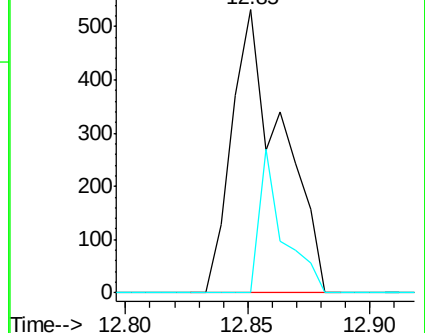
91 100

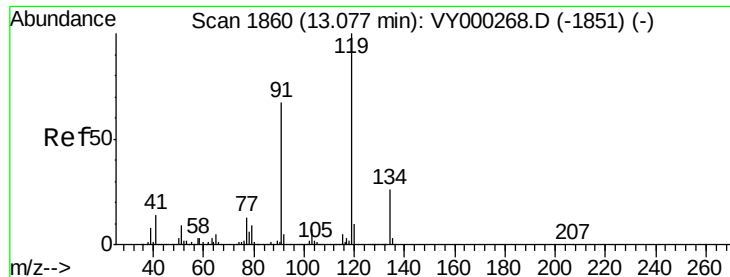
126 24.7 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): VY0

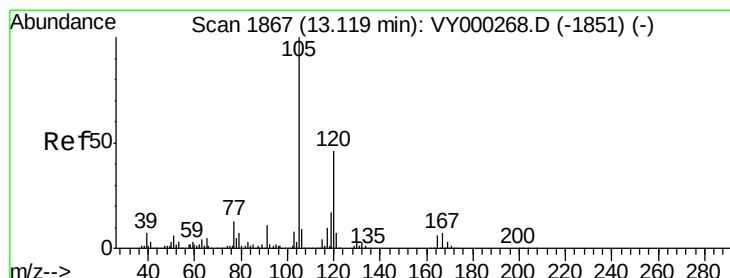
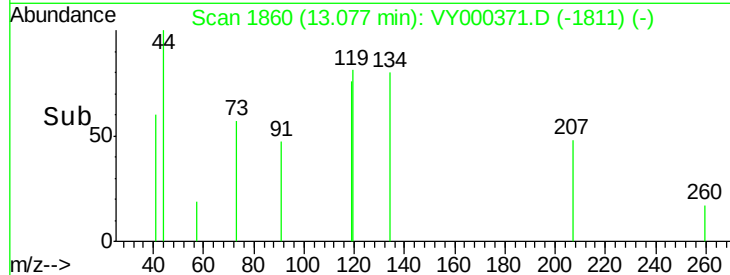
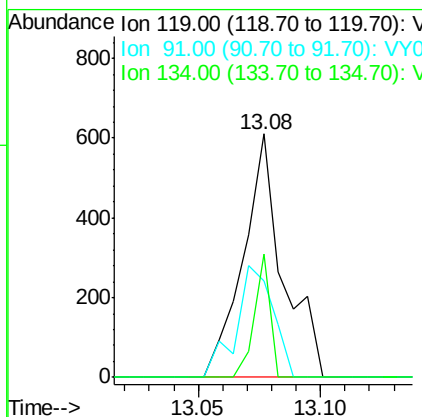
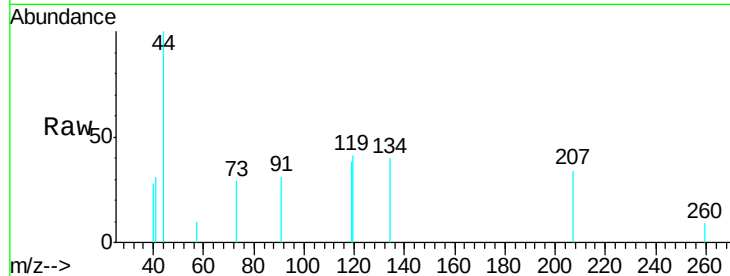




#83  
 tert-Butylbenzene  
 Concen: 1.253 ug/l  
 RT: 13.08 min Scan# 1860  
 Delta R.T. -0.00 min  
 Lab File: VY000371.D  
 Acq: 22 Oct 2019 18:01

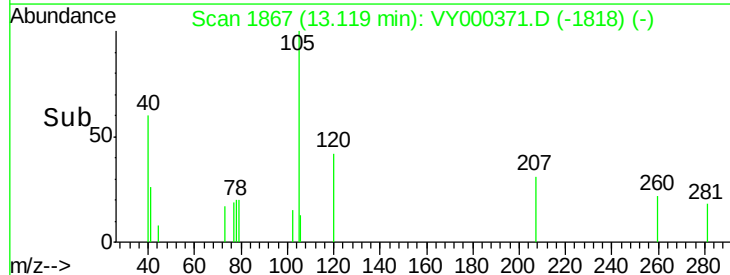
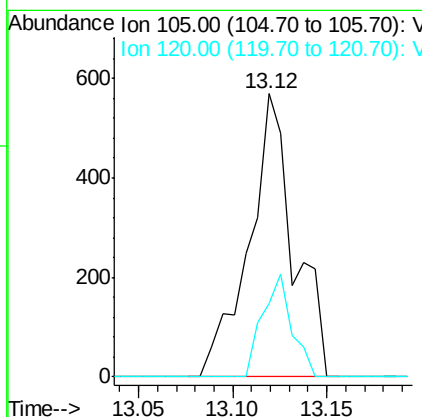
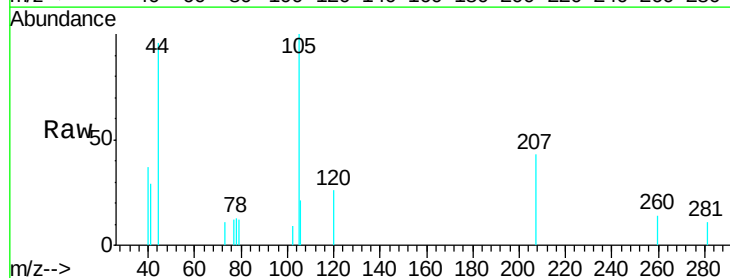
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-6FT

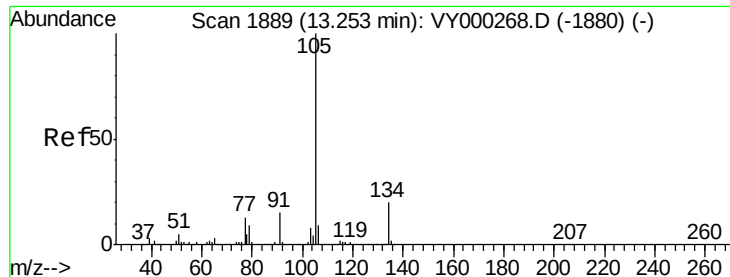
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 694   |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 42.4  | 32.9  | 98.7  |
| 134      | 19.7  | 13.3  | 39.8  |



#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.456 ug/l  
 RT: 13.12 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VY000371.D  
 Acq: 22 Oct 2019 18:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 940   |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 23.6  | 22.9  | 68.8  |





#85

sec-Butylbenzene

Concen: 1.164 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

Instrument :

MSVOA\_Y

ClientSampleId :

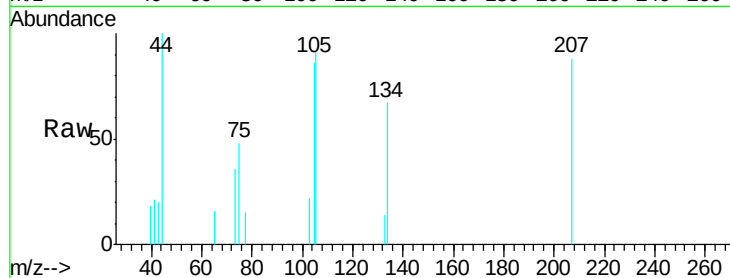
TP1-6FT

Tgt Ion:105 Resp: 933

Ion Ratio Lower Upper

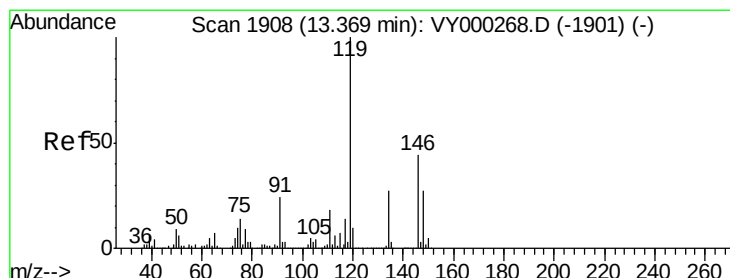
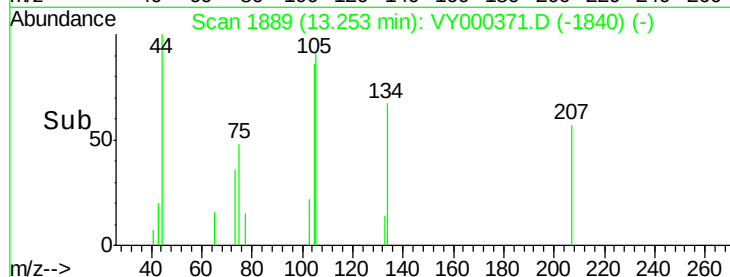
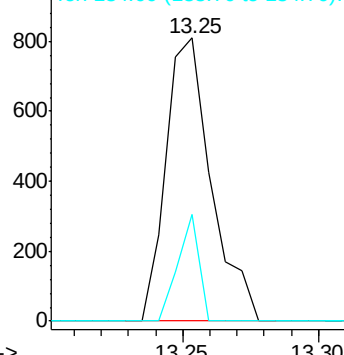
105 100

134 17.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.812 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

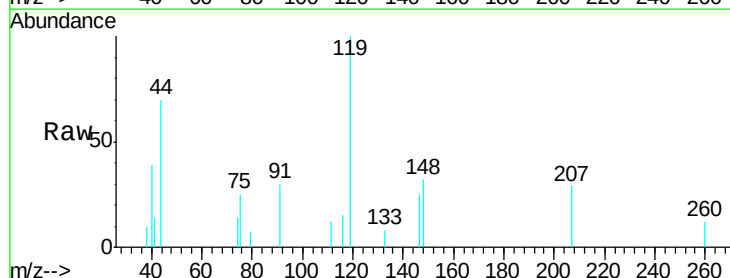
Tgt Ion:119 Resp: 1266

Ion Ratio Lower Upper

119 100

134 21.1 13.6 40.8

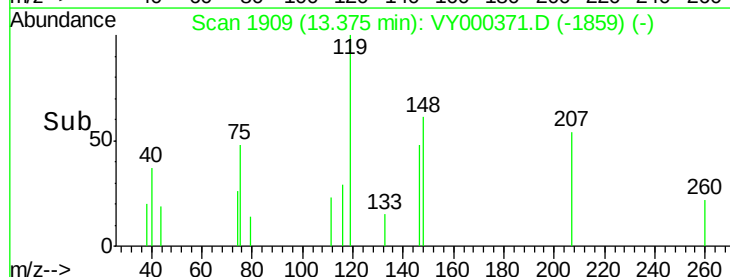
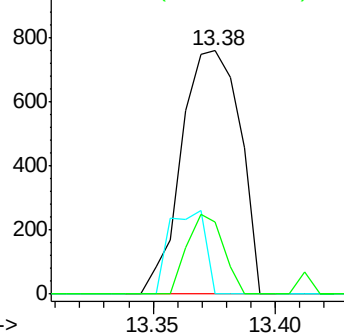
91 20.3 12.0 36.1

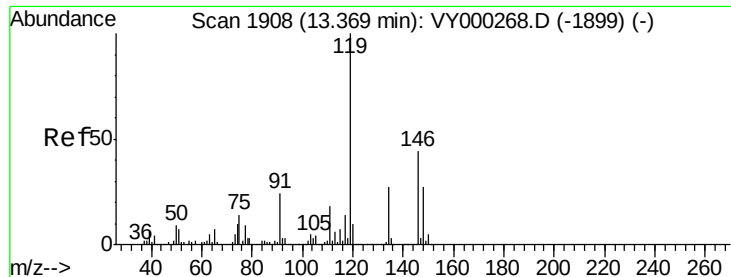


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

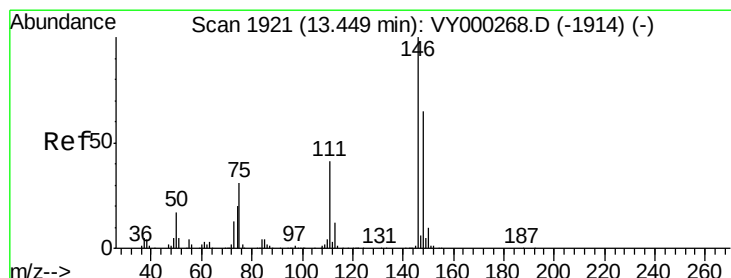
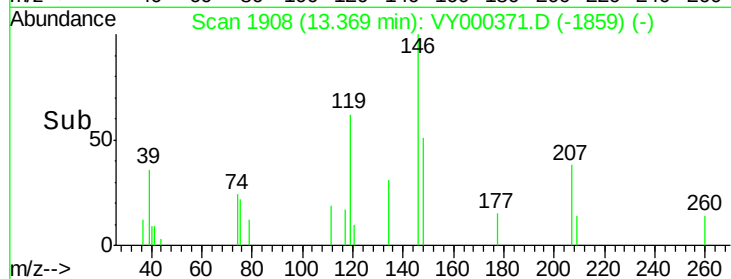
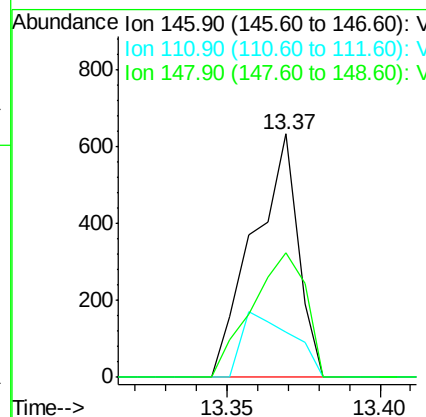
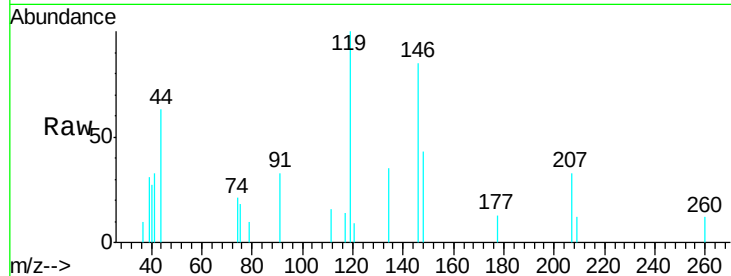




#87  
 1,3-Dichlorobenzene  
 Concen: 1.880 ug/l  
 RT: 13.37 min Scan# 1908  
 Delta R.T. -0.00 min  
 Lab File: VY000371.D  
 Acq: 22 Oct 2019 18:01

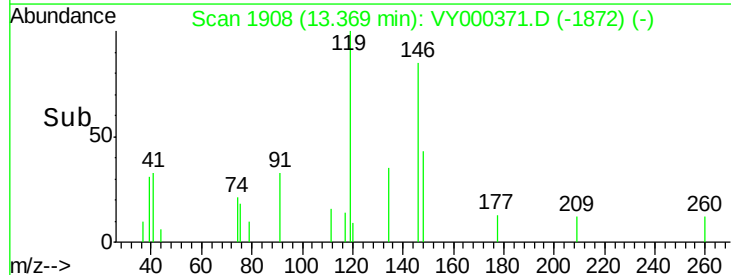
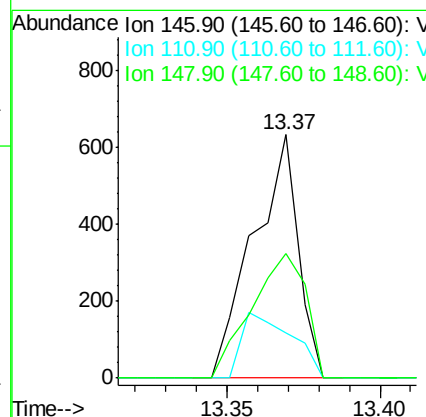
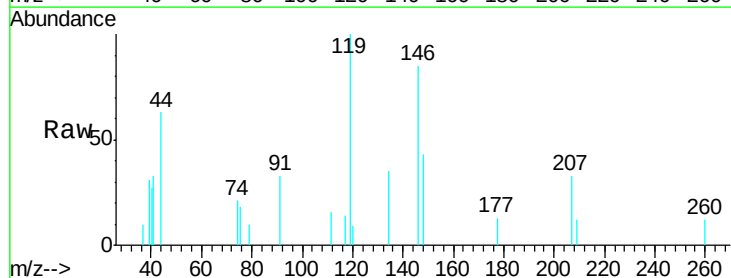
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-6FT

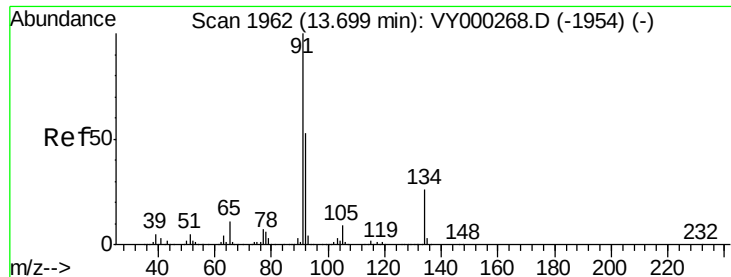
Tgt Ion:146 Resp: 643  
 Ion Ratio Lower Upper  
 146 100  
 111 30.0 20.6 61.8  
 148 61.9 31.9 95.5



#88  
 1,4-Dichlorobenzene  
 Concen: 1.881 ug/l  
 RT: 13.37 min Scan# 1908  
 Delta R.T. -0.08 min  
 Lab File: VY000371.D  
 Acq: 22 Oct 2019 18:01

Tgt Ion:146 Resp: 643  
 Ion Ratio Lower Upper  
 146 100  
 111 30.0 20.1 60.2  
 148 61.9 32.4 97.2

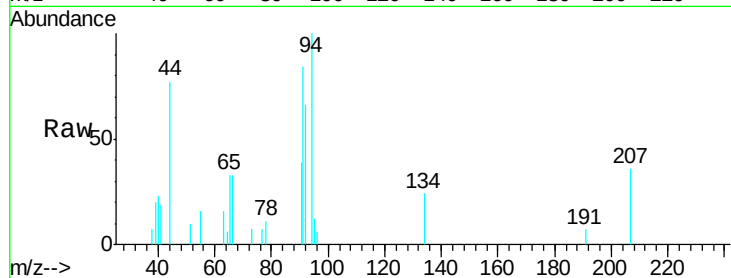




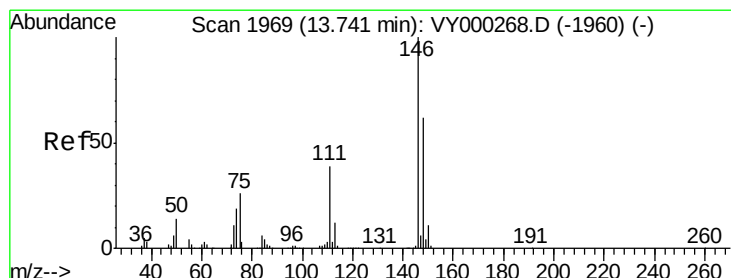
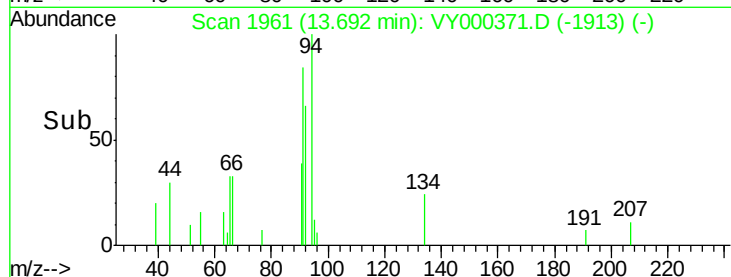
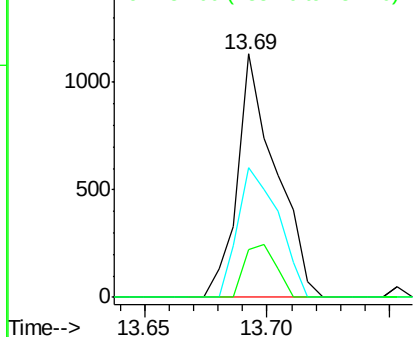
#89  
n-Butylbenzene  
Concen: 1.791 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. -0.01 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Instrument :  
MSVOA\_Y  
ClientSampled :  
TP1-6FT

Tgt Ion: 91 Resp: 1236  
Ion Ratio Lower Upper  
91 100  
92 56.4 26.7 80.1  
134 17.7 13.0 38.9

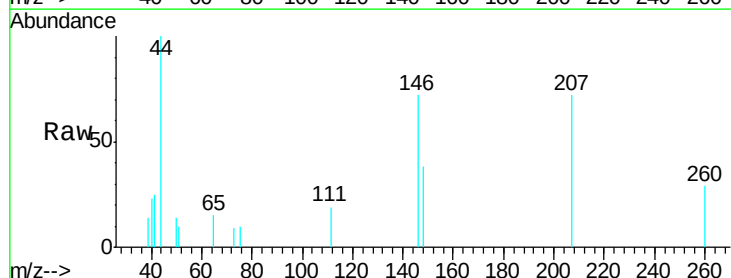


Abundance Ion 91.00 (90.70 to 91.70): VY0  
Ion 92.00 (91.70 to 92.70): VY0  
Ion 134.00 (133.70 to 134.70): V

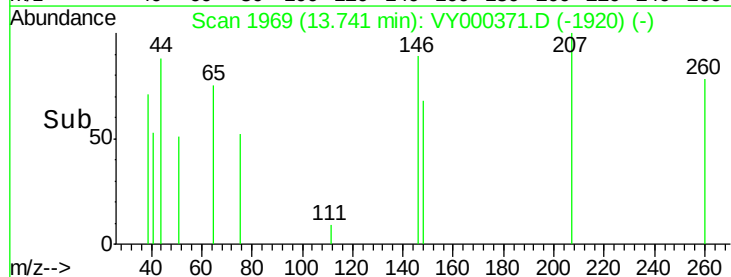
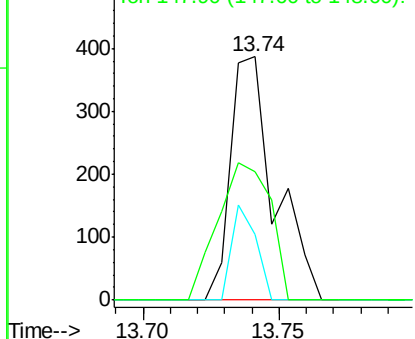


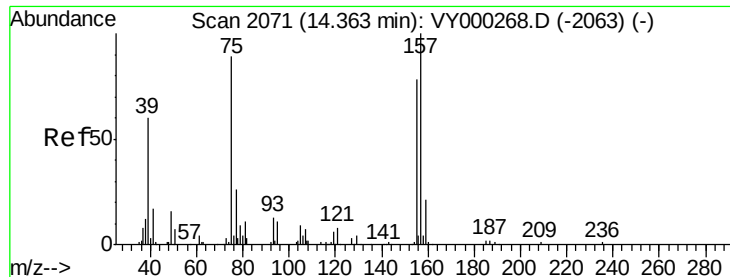
#91  
1,2-Dichlorobenzene  
Concen: 1.412 ug/l  
RT: 13.74 min Scan# 1969  
Delta R.T. -0.00 min  
Lab File: VY000371.D  
Acq: 22 Oct 2019 18:01

Tgt Ion: 146 Resp: 437  
Ion Ratio Lower Upper  
146 100  
111 21.5 20.5 61.5  
148 66.8 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.096 ug/l

RT: 14.49 min Scan# 2092

Delta R.T. 0.13 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

Instrument :

MSVOA\_Y

ClientSampleId :

TP1-6FT

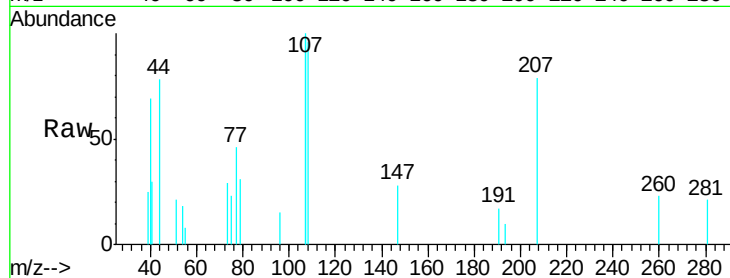
Tgt Ion: 75 Resp: 86

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.3#

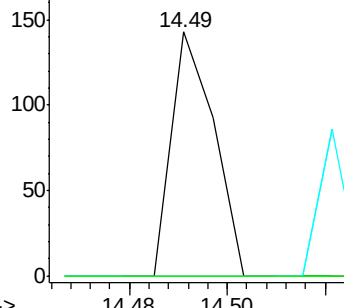
157 0.0 55.6 166.9#



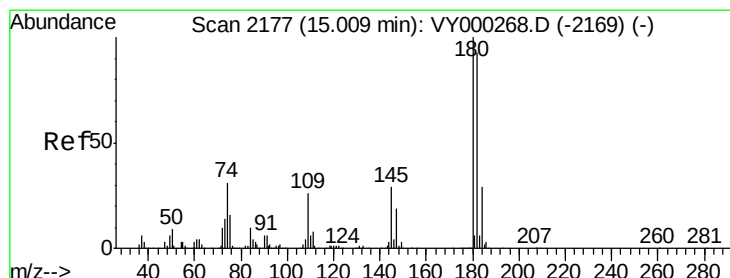
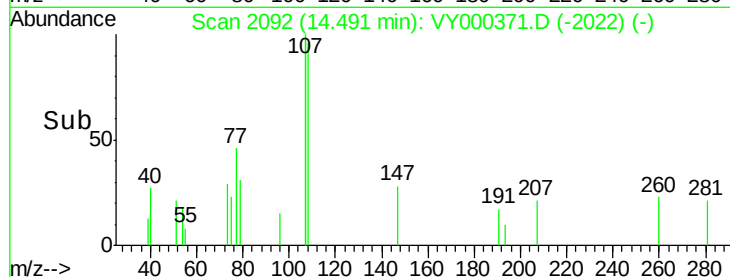
Abundance Ion 74.90 (74.60 to 75.60): VY000371.D (-2022) (-)

Ion 154.80 (154.50 to 155.50): VY000371.D (-2022) (-)

Ion 156.80 (156.50 to 157.50): VY000371.D (-2022) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.564 ug/l

RT: 15.02 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

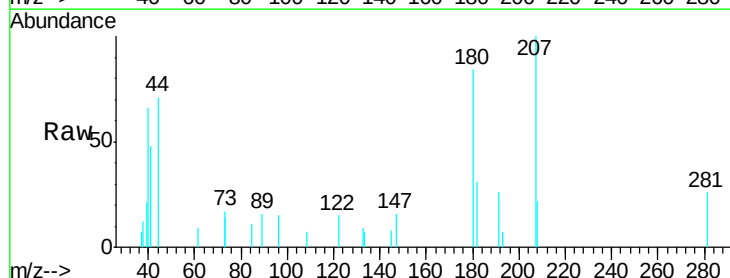
Tgt Ion: 180 Resp: 768

Ion Ratio Lower Upper

180 100

182 81.6 47.5 142.6

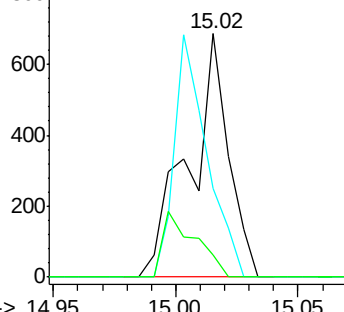
145 22.5 15.4 46.1



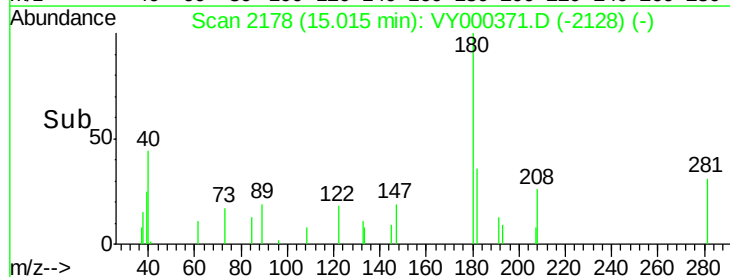
Abundance Ion 179.80 (179.50 to 180.50): VY000371.D (-2128) (-)

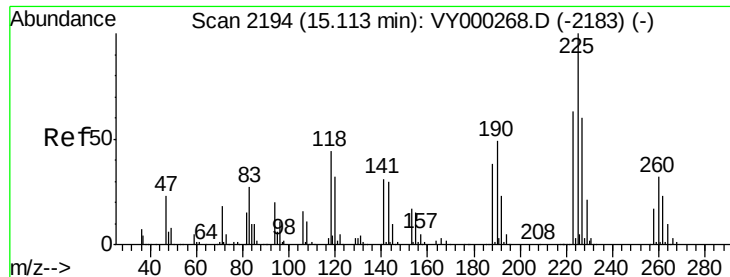
Ion 181.80 (181.50 to 182.50): VY000371.D (-2128) (-)

Ion 144.80 (144.50 to 145.50): VY000371.D (-2128) (-)



Time-->





#94

Hexachlorobutadiene

Concen: 1.827 ug/l

RT: 15.11 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

Instrument :

MSVOA\_Y

ClientSampled :

TP1-6FT

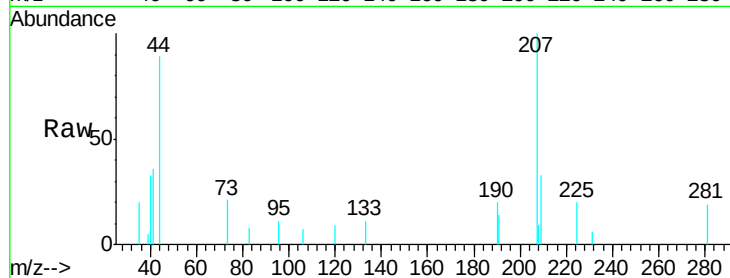
Tgt Ion:225 Resp: 213

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.7#

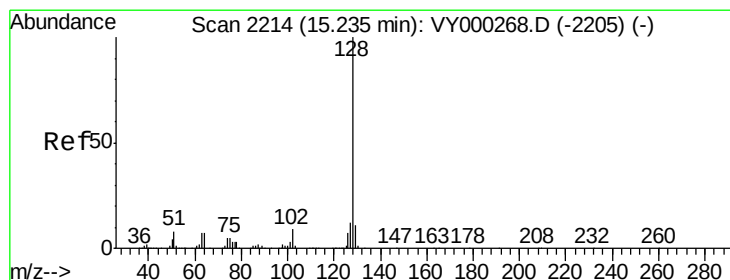
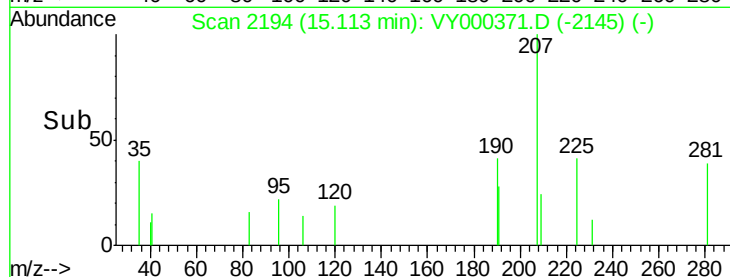
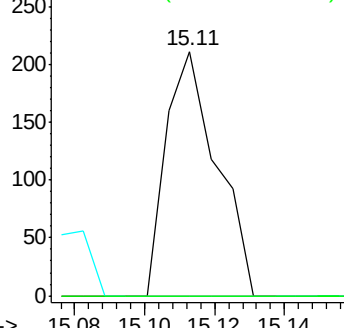
227 0.0 31.4 94.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 9.411 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VY000371.D

Acq: 22 Oct 2019 18:01

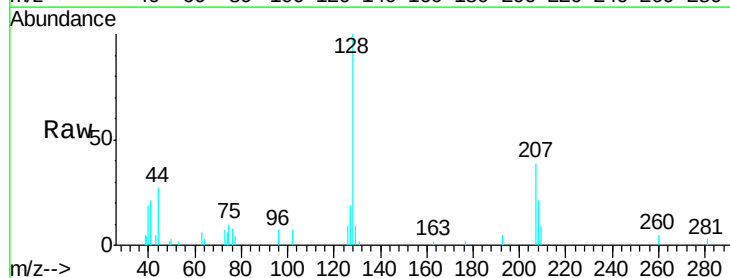
Tgt Ion:128 Resp: 4525

Ion Ratio Lower Upper

128 100

127 15.2 9.6 14.4#

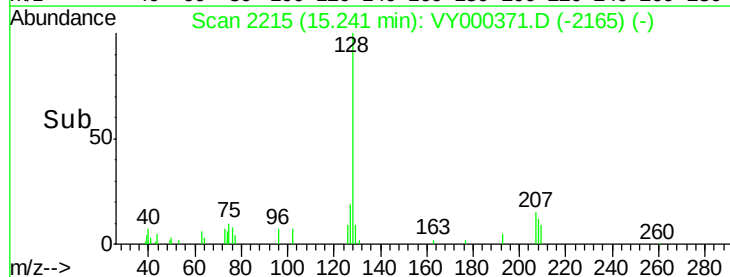
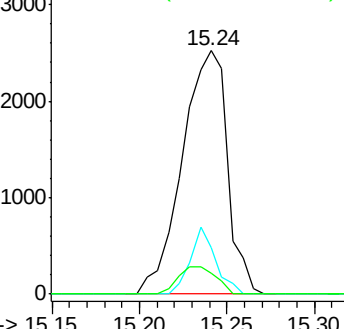
129 9.5 8.7 13.1

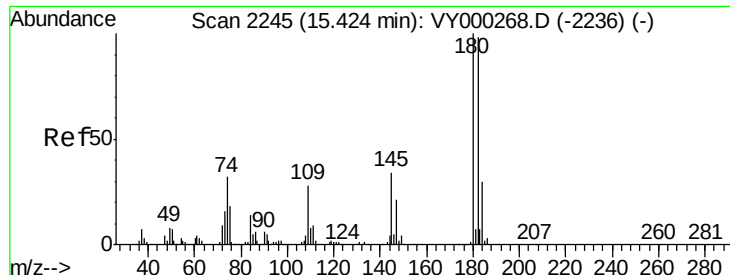


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

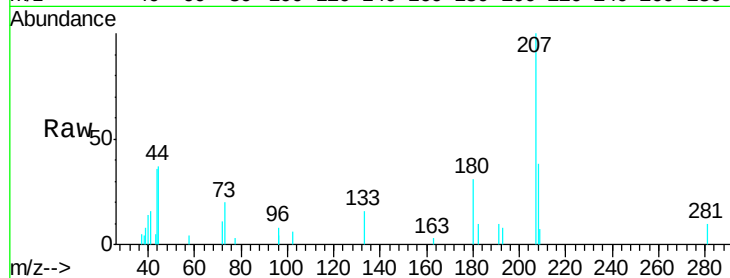




#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.291 ug/l  
 RT: 15.41 min Scan# 2243  
 Delta R.T. -0.01 min  
 Lab File: VY000371.D  
 Acq: 22 Oct 2019 18:01

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-6FT

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 118.9 | 46.5  | 139.5 |
| 145     | 28.6  | 16.2  | 48.5  |



Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.90 (144.60 to 145.60): V

