

Data File : VY000868.D  
Acq On : 04 Dec 2019 18:06  
Operator : SY/MD  
Sample : K6135-05  
Misc : 7.05G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC-36

Quant Time: Dec 05 07:56:27 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 27 12:40:47 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 220725   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 416344   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 351598   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 133058   | 50.00 | ug/l  | 0.00     |

System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.15   | 65  | 136370   | 58.14 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 116.28% |      |
| 35) Dibromofluoromethane  | 7.73   | 113 | 120597   | 49.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.40%  |      |
| 50) Toluene-d8            | 10.18  | 98  | 487575   | 50.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.52% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 147934   | 40.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 81.22%  |      |

Target Compounds

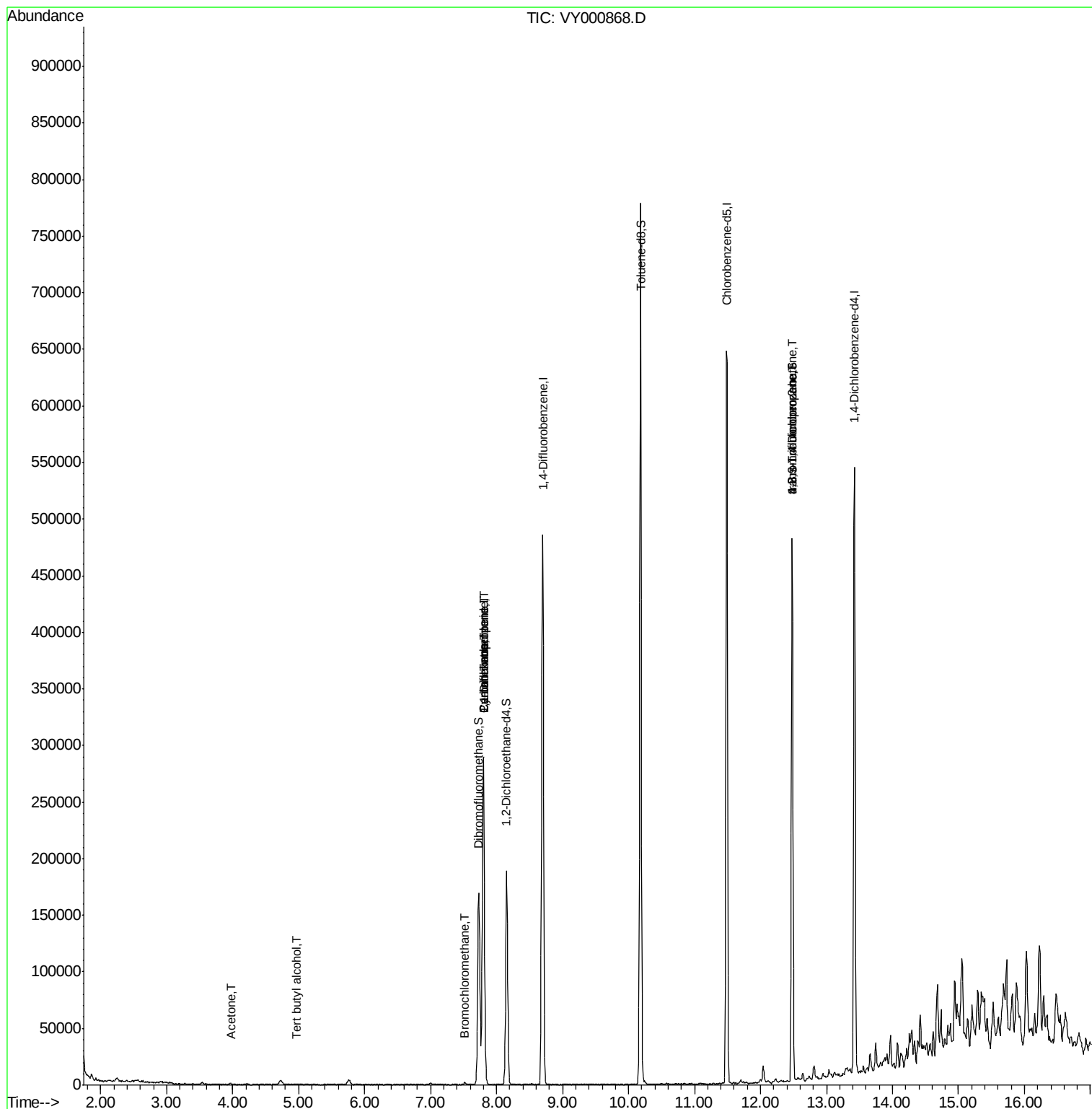
|                                |       |     |       |           |        | Qvalue |
|--------------------------------|-------|-----|-------|-----------|--------|--------|
| 5) Bromomethane                | 2.72  | 94  | 25    | Below Cal | #      | 3      |
| 11) Tert butyl alcohol         | 4.97  | 59  | 499   | 2.115     | ug/l # | 88     |
| 16) Acetone                    | 3.97  | 43  | 1544  | 2.870     | ug/l   | 91     |
| 28) Bromochloromethane         | 7.51  | 49  | 188   | 2.120     | ug/l # | 15     |
| 31) Cyclohexane                | 7.80  | 56  | 5304  | 1.065     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.80  | 75  | 18381 | 4.440     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.80  | 117 | 21526 | 5.839     | ug/l # | 14     |
| 76) 1,2,3-Trichloropropane     | 12.48 | 75  | 76885 | 51.001    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75  | 76885 | 100.180   | ug/l # | 18     |

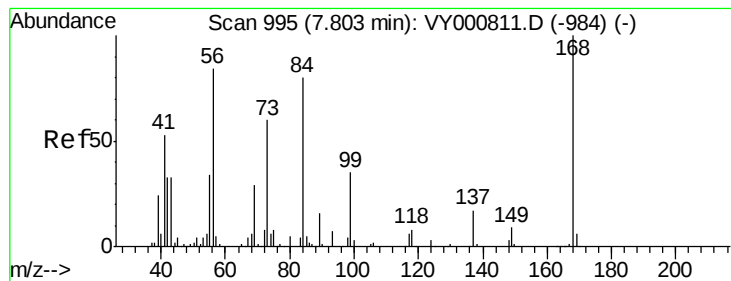
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VY000868.D  
Acq On : 04 Dec 2019 18:06  
Operator : SY/MD  
Sample : K6135-05  
Misc : 7.05G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC-36

Quant Time: Dec 05 07:56:27 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 27 12:40:47 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000868.D

Acq: 04 Dec 2019 18:06

Instrument :

MSVOA\_Y

ClientSampleId :

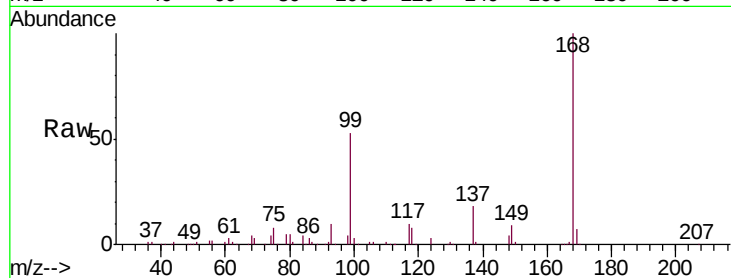
VOC-36

Tgt Ion:168 Resp: 220725

Ion Ratio Lower Upper

168 100

99 53.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

100000

80000

60000

40000

20000

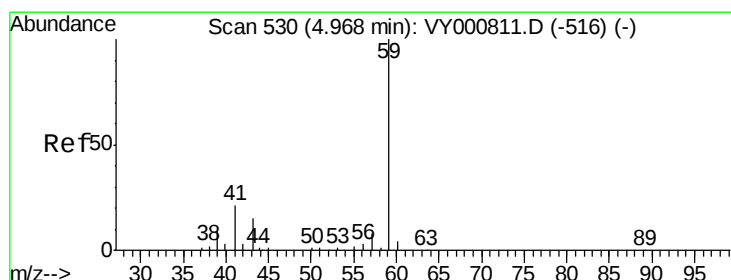
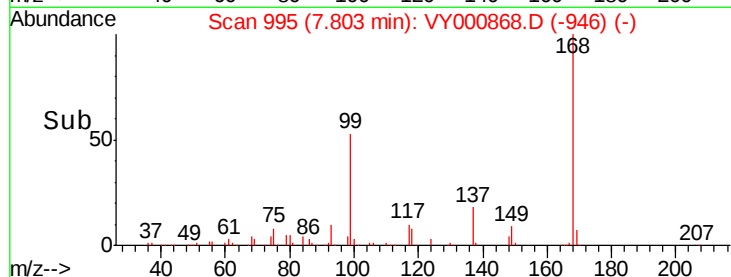
0

Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: 2.115 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.00 min

Lab File: VY000868.D

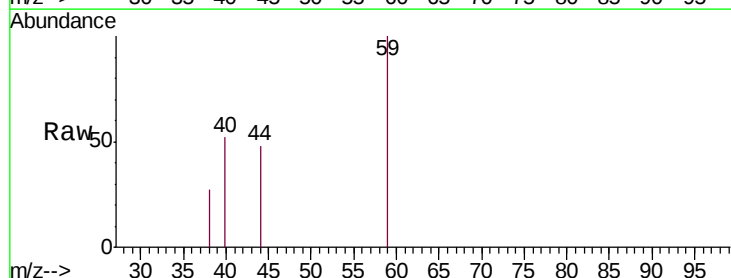
Acq: 04 Dec 2019 18:06

Tgt Ion: 59 Resp: 499

Ion Ratio Lower Upper

59 100

57 5.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000811.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY000811.D (-516) (-)

4.97

400

300

200

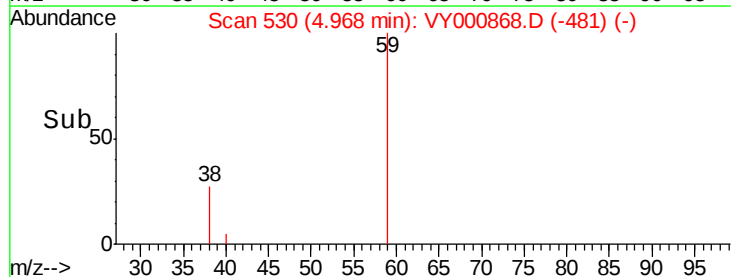
100

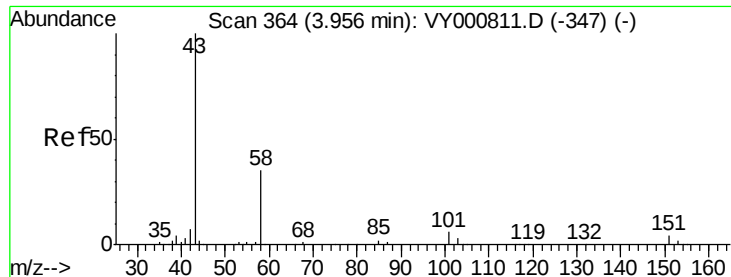
0

Time-->

4.95

5.00





#16

Acetone

Concen: 2.870 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY000868.D

Acq: 04 Dec 2019 18:06

Instrument :

MSVOA\_Y

ClientSampleId :

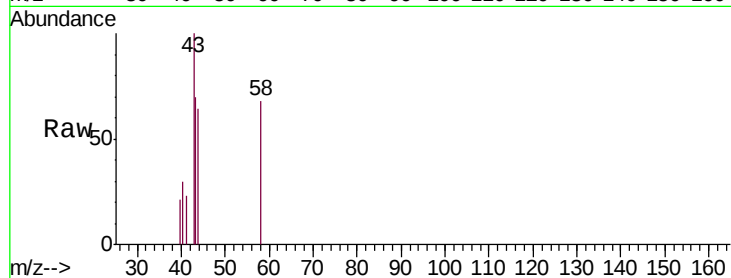
VOC-36

Tgt Ion: 43 Resp: 1544

Ion Ratio Lower Upper

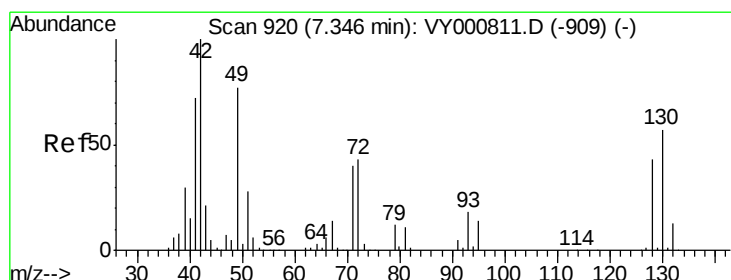
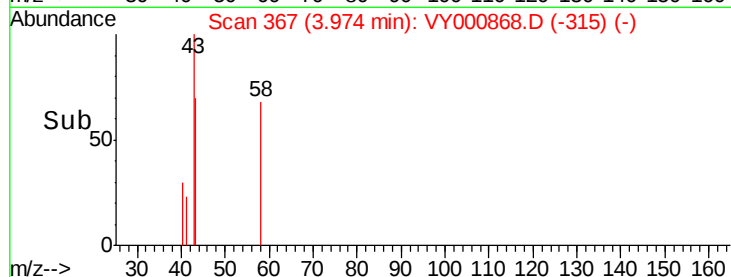
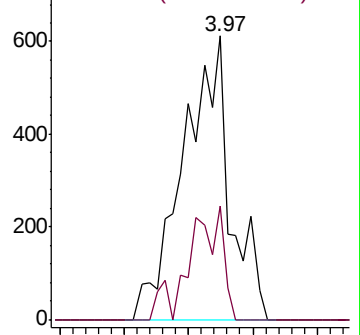
43 100

58 40.0 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#28

Bromochloromethane

Concen: 2.120 ug/l

RT: 7.51 min Scan# 947

Delta R.T. 0.16 min

Lab File: VY000868.D

Acq: 04 Dec 2019 18:06

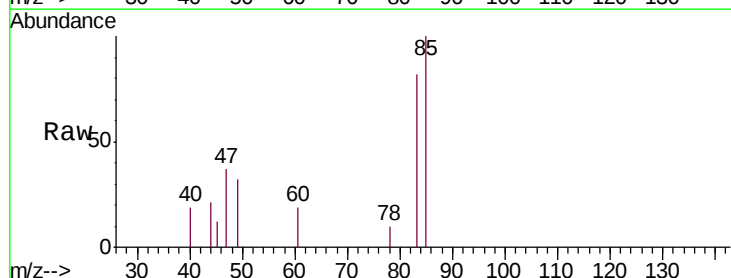
Tgt Ion: 49 Resp: 188

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

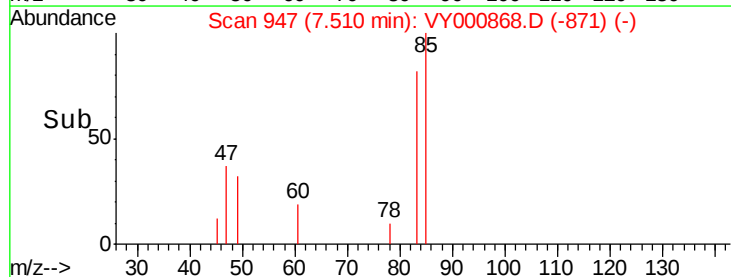
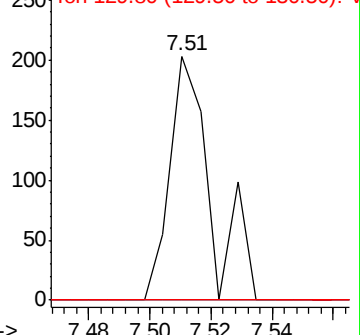
130 0.0 58.7 88.1#

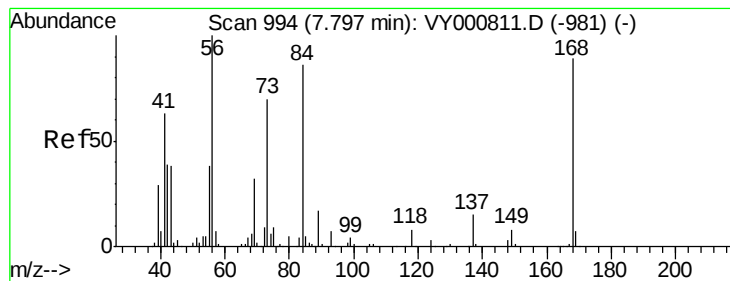


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000868.D

Acq: 04 Dec 2019 18:06

Instrument :  
MSVOA\_Y  
ClientSampled :  
VOC-36

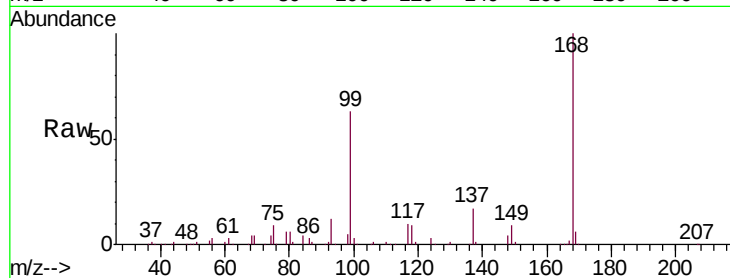
Tgt Ion: 56 Resp: 5304

Ion Ratio Lower Upper

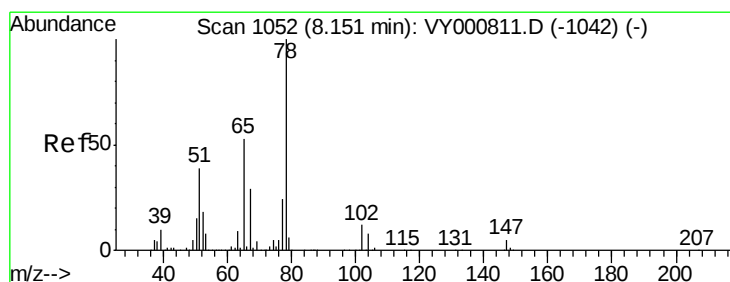
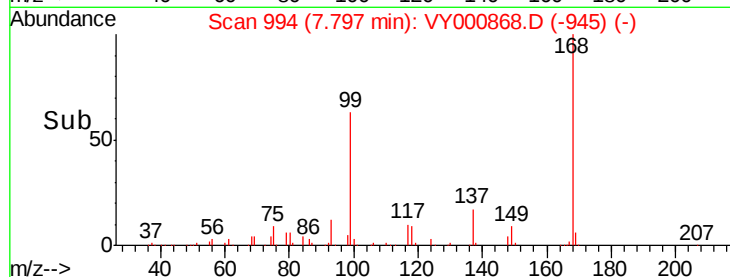
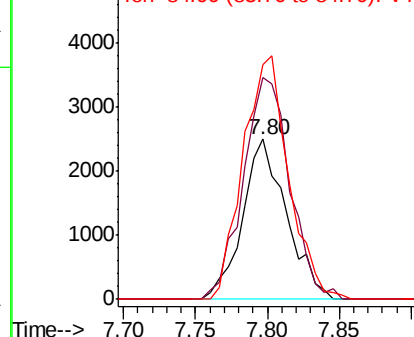
56 100

69 139.1 25.9 38.9#

84 146.5 68.6 102.8#



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: 58.144 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000868.D

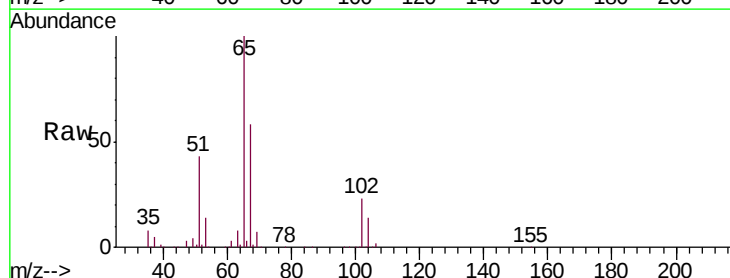
Acq: 04 Dec 2019 18:06

Tgt Ion: 65 Resp: 136370

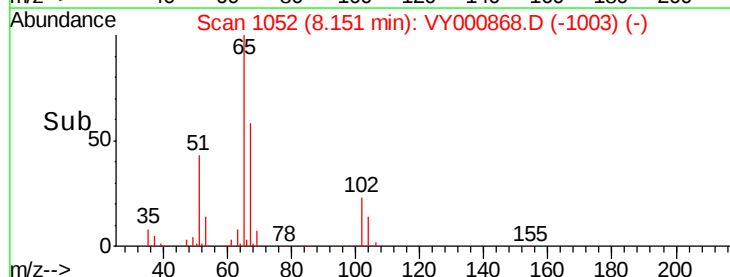
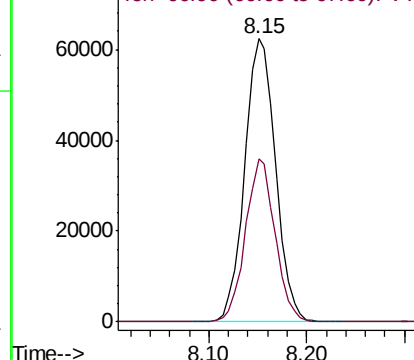
Ion Ratio Lower Upper

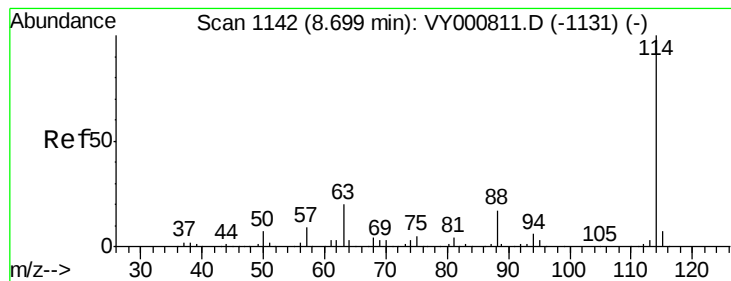
65 100

67 55.2 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY0  
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000868.D

Acq: 04 Dec 2019 18:06

Instrument :

MSVOA\_Y

ClientSampleId :

VOC-36

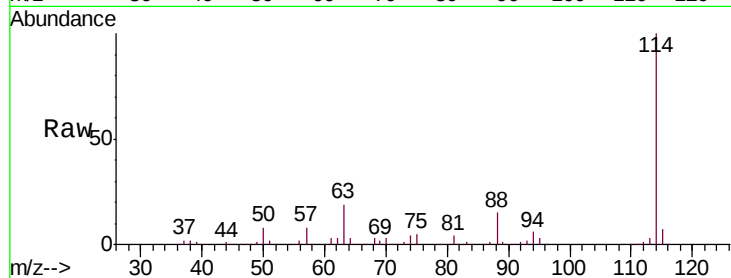
Tgt Ion:114 Resp: 416344

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.8

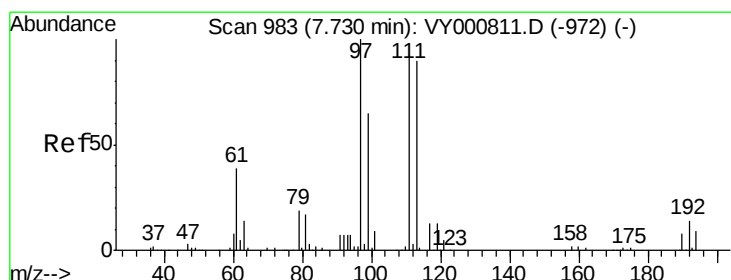
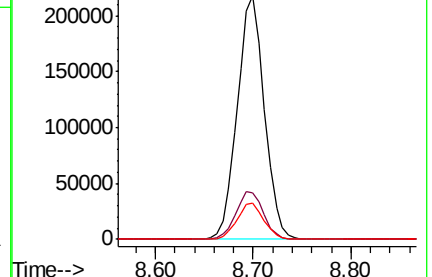
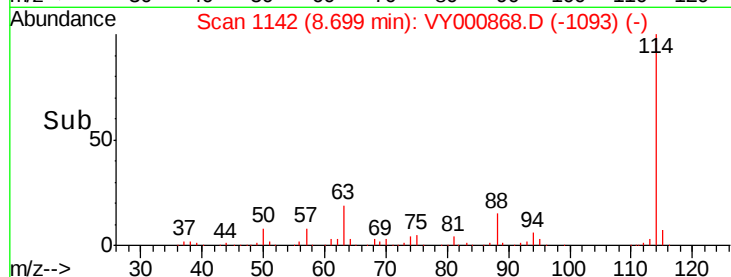
88 15.0 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 49.701 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000868.D

Acq: 04 Dec 2019 18:06

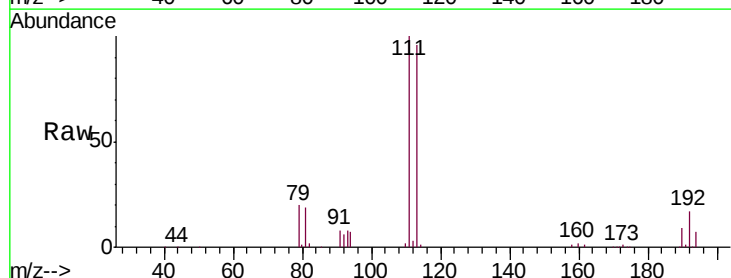
Tgt Ion:113 Resp: 120597

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

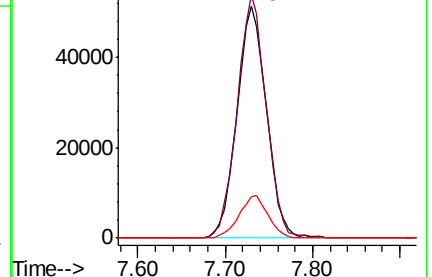
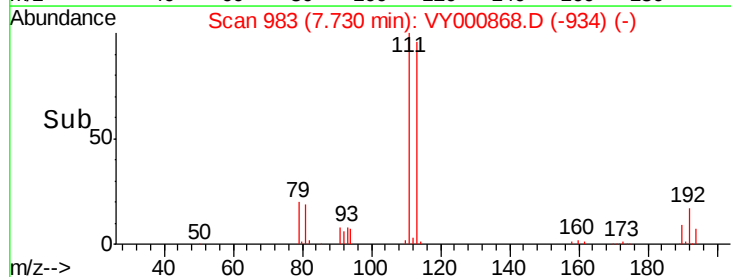
192 18.0 14.2 21.2

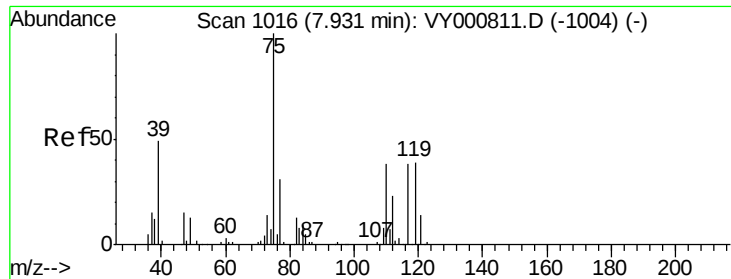


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

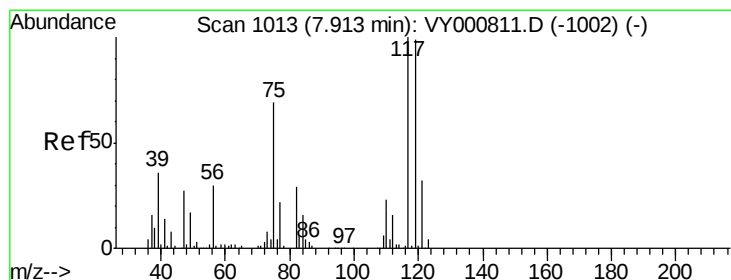
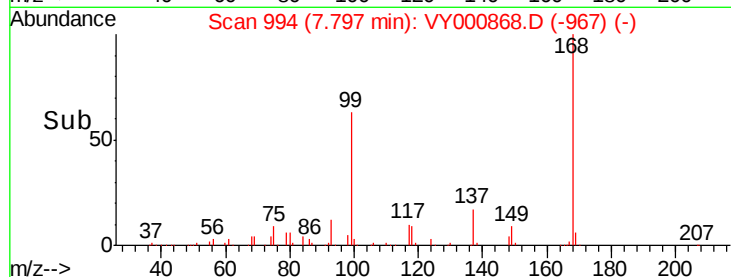
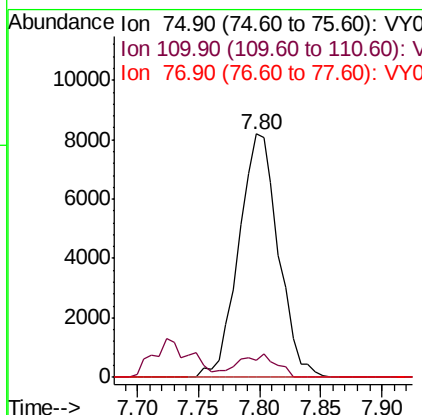
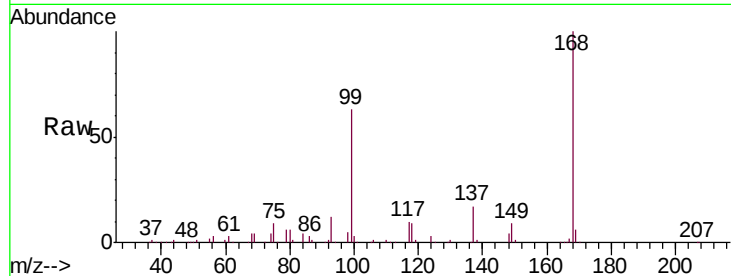




#36  
 1,1-Dichloropropene  
 Concen: 4.440 ug/l  
 RT: 7.80 min Scan# 994  
 Delta R.T. -0.13 min  
 Lab File: VY000868.D  
 Acq: 04 Dec 2019 18:06

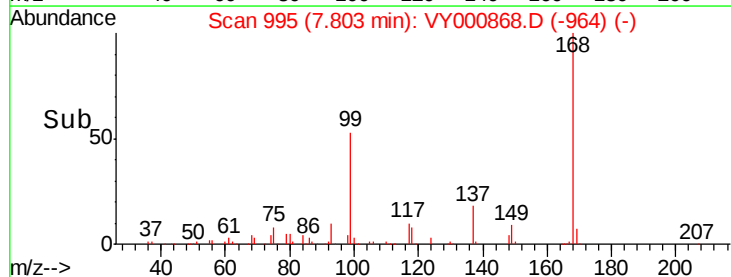
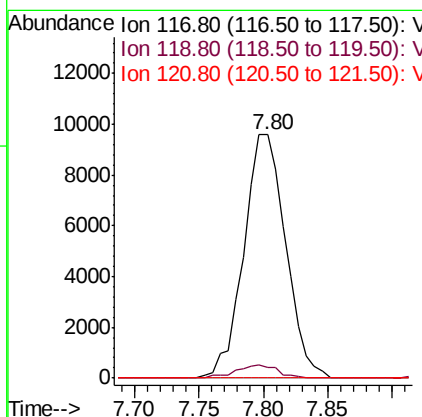
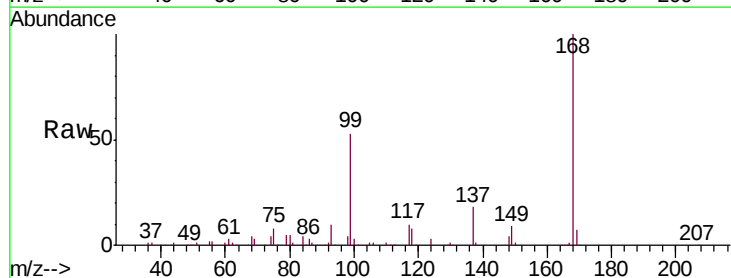
Instrument :  
 MSVOA\_Y  
 ClientSampleID :  
 VOC-36

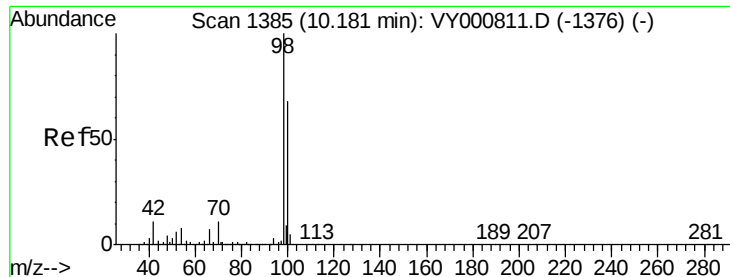
Tgt Ion: 75 Resp: 18381  
 Ion Ratio Lower Upper  
 75 100  
 110 8.4 17.9 53.7#  
 77 0.0 24.7 37.1#



#38  
 Carbon Tetrachloride  
 Concen: 5.839 ug/l  
 RT: 7.80 min Scan# 995  
 Delta R.T. -0.11 min  
 Lab File: VY000868.D  
 Acq: 04 Dec 2019 18:06

Tgt Ion: 117 Resp: 21526  
 Ion Ratio Lower Upper  
 117 100  
 119 4.3 79.3 118.9#  
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 50.261 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000868.D

Acq: 04 Dec 2019 18:06

Instrument :

MSVOA\_Y

ClientSampleId :

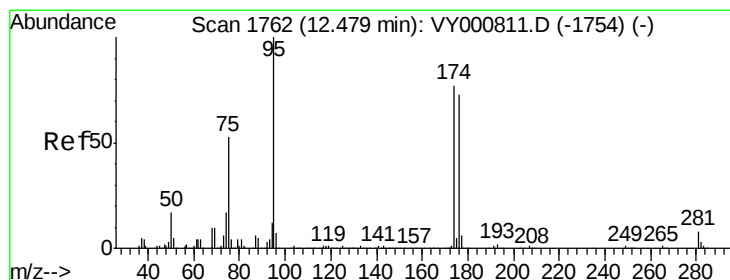
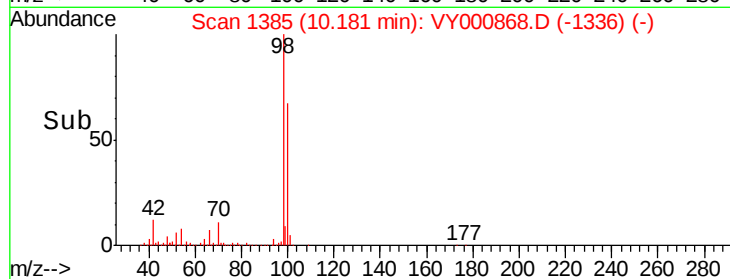
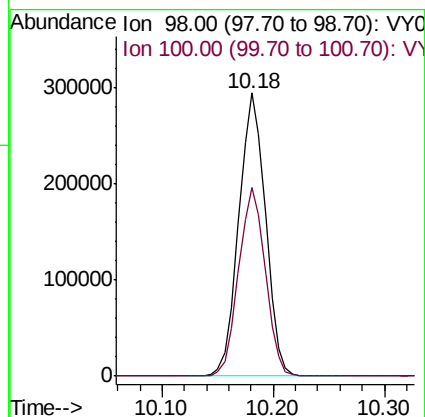
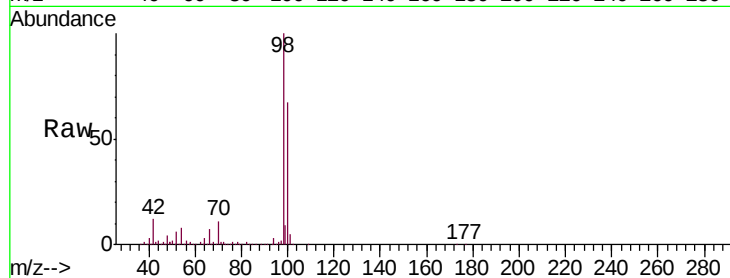
VOC-36

Tgt Ion: 98 Resp: 487575

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 40.606 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000868.D

Acq: 04 Dec 2019 18:06

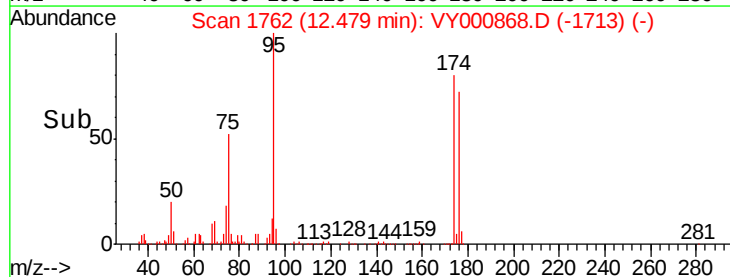
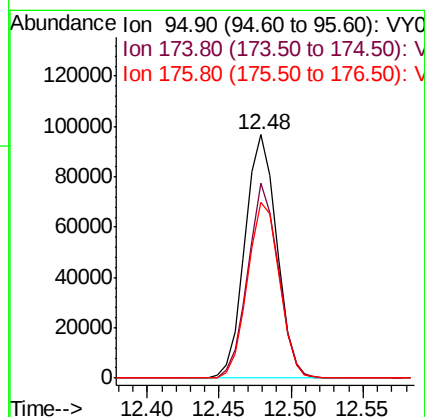
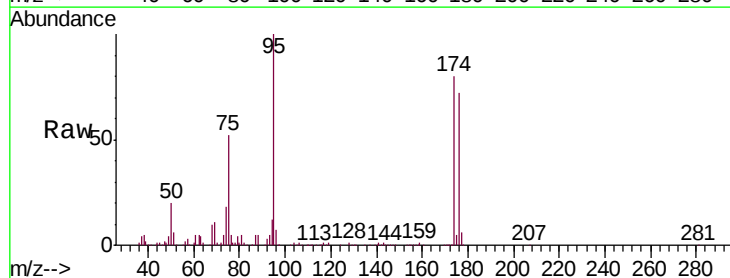
Tgt Ion: 95 Resp: 147934

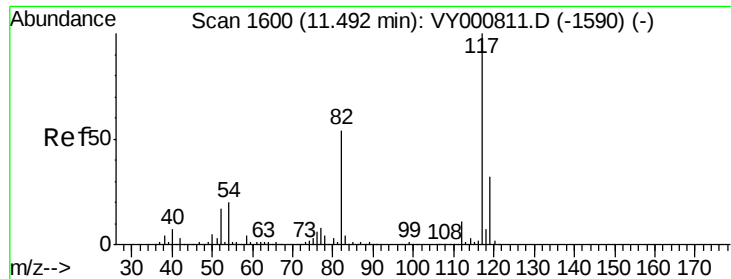
Ion Ratio Lower Upper

95 100

174 77.1 0.0 150.6

176 72.4 0.0 145.2

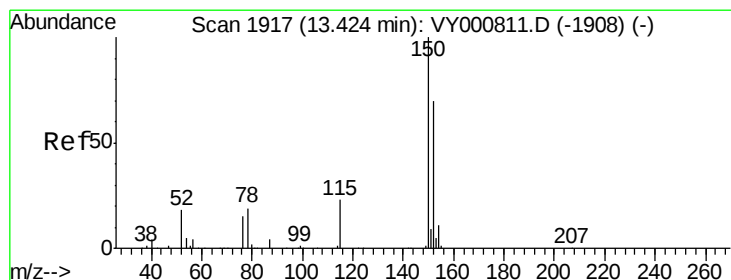
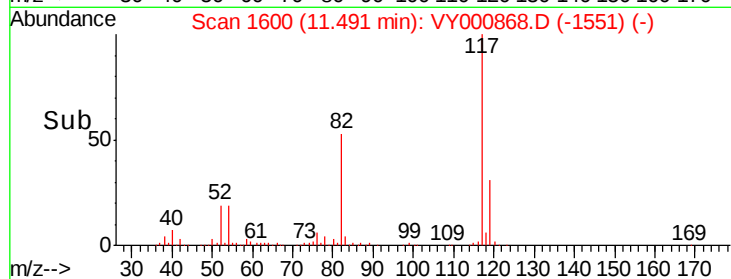
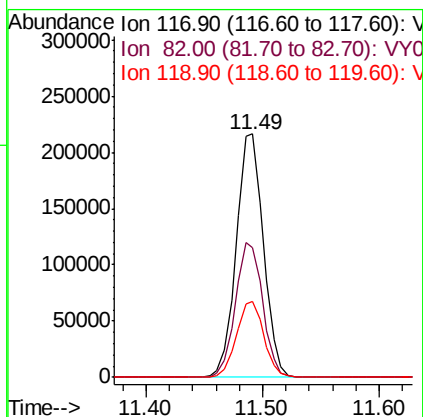
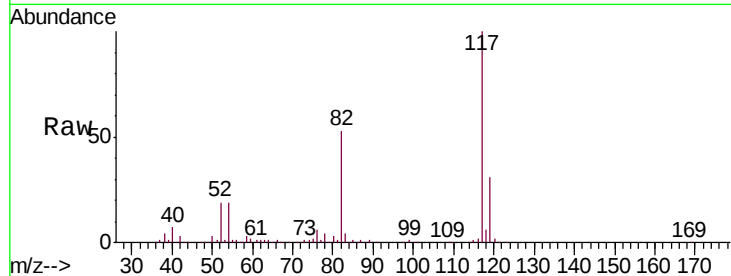




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000868.D  
Acq: 04 Dec 2019 18:06

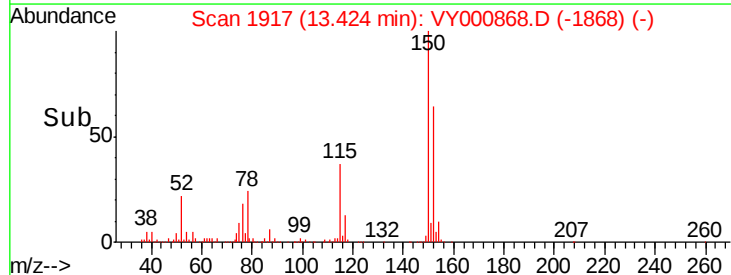
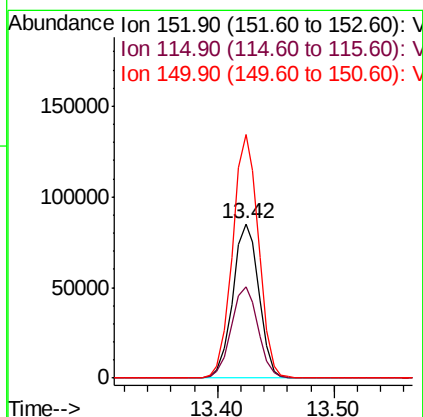
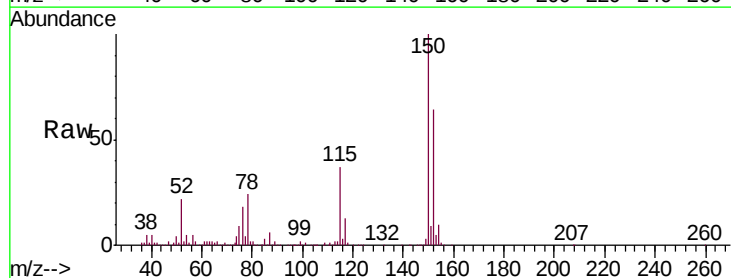
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC-36

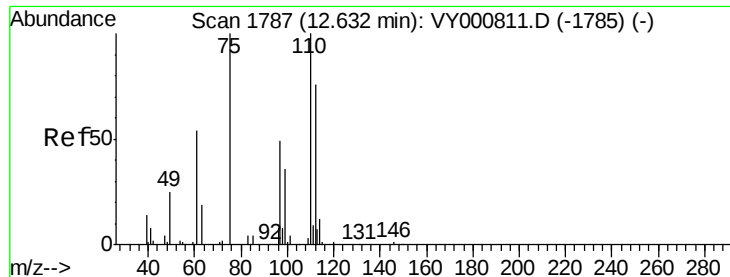
Tgt Ion:117 Resp: 351598  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.1 64.7  
119 31.0 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY000868.D  
Acq: 04 Dec 2019 18:06

Tgt Ion:152 Resp: 133058  
Ion Ratio Lower Upper  
152 100  
115 60.8 29.3 87.8  
150 156.1 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 51.001 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000868.D

Acq: 04 Dec 2019 18:06

Instrument :

MSVOA\_Y

ClientSampled :

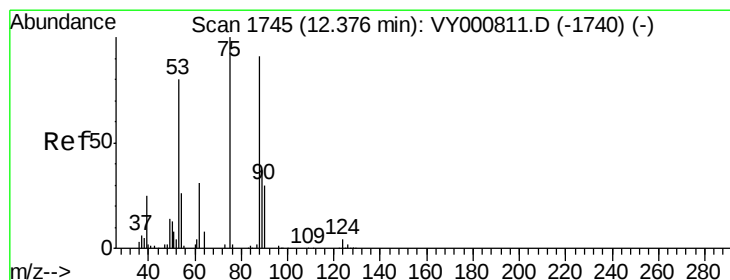
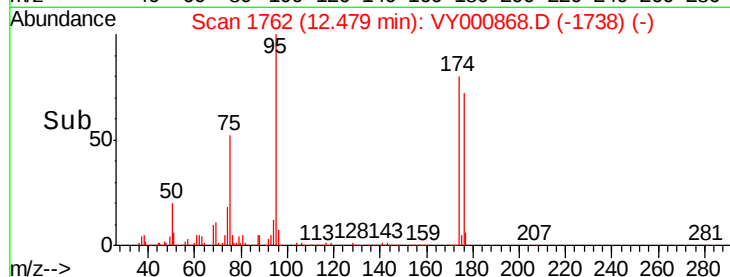
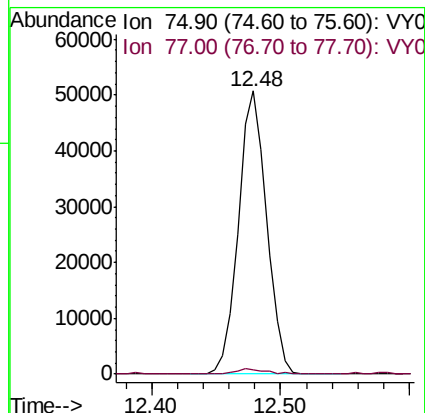
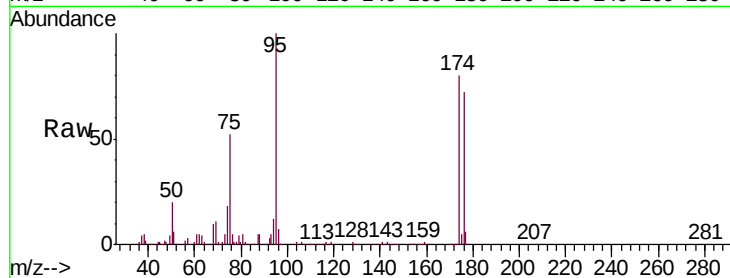
VOC-36

Tgt Ion: 75 Resp: 76885

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.180 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000868.D

Acq: 04 Dec 2019 18:06

Tgt Ion: 75 Resp: 76885

Ion Ratio Lower Upper

75 100

53 0.3 64.6 96.8#

89 0.0 33.6 50.4#

