

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\  
 Data File : VY002259.D  
 Acq On : 08 Apr 2020 18:47  
 Operator : SY/MD  
 Sample : L2199-01  
 Misc : 5.18G/5ML/MSVOA Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-39-38

Quant Time: Apr 09 01:56:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y040820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 08 15:15:02 2020  
 Response via : Initial Calibration

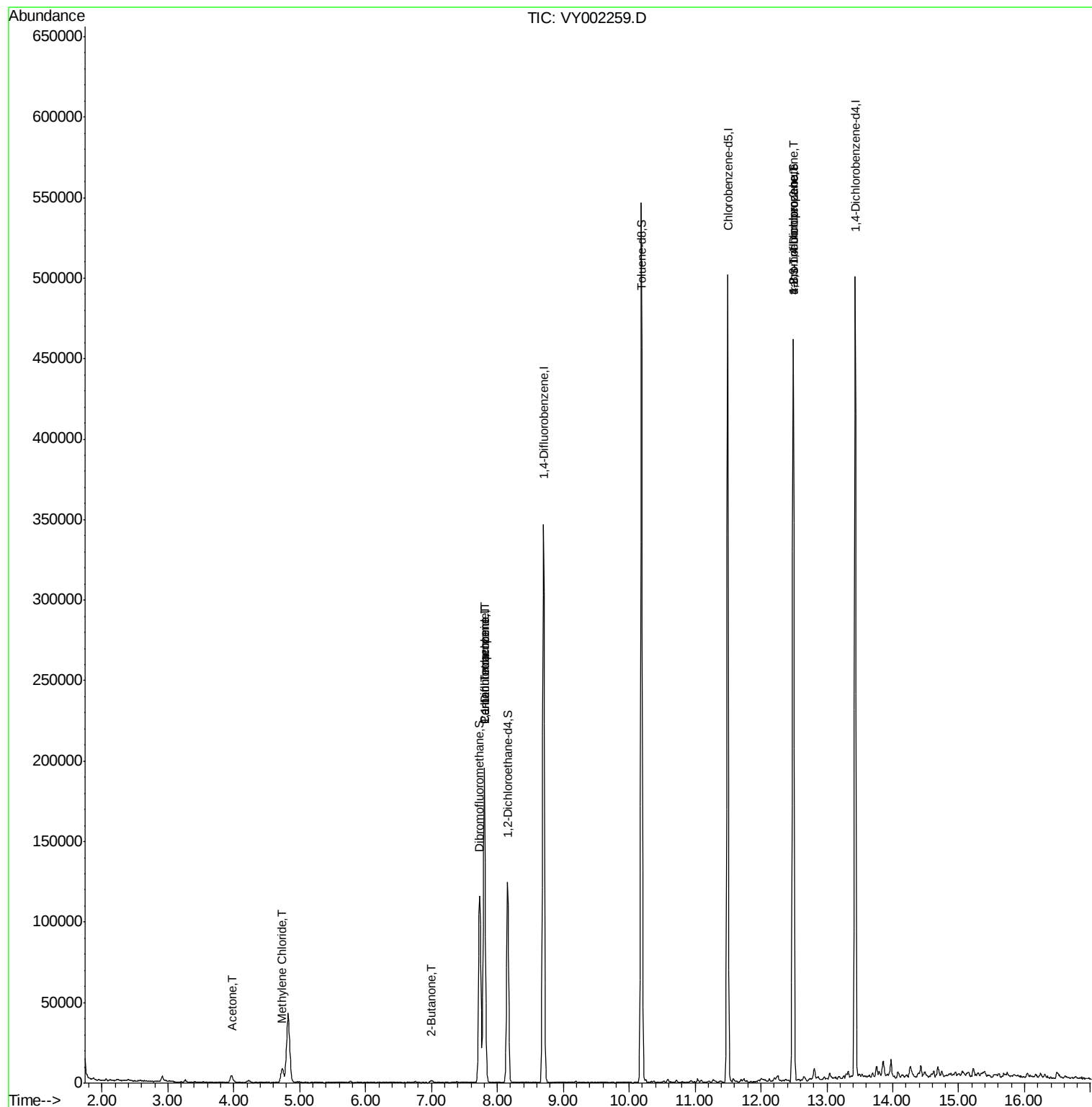
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.80  | 168  | 144544   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.70  | 114  | 291066   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.50 | 117  | 271291   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.43 | 152  | 118115   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.15  | 65   | 95520    | 59.42     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 118.84% |          |
| 35) Dibromofluoromethane       | 7.74  | 113  | 86819    | 50.13     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 100.26% |          |
| 50) Toluene-d8                 | 10.19 | 98   | 356231   | 49.14     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 98.28%  |          |
| 62) 4-Bromofluorobenzene       | 12.49 | 95   | 126757   | 53.00     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 106.00% |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 11) Tert butyl alcohol         | 4.97  | 59   | 1327     | Below Cal | #       | 77       |
| 16) Acetone                    | 3.96  | 43   | 8084     | 19.094    | ug/l #  | 86       |
| 20) Methylene Chloride         | 4.74  | 84   | 6217     | 2.988     | ug/l #  | 96       |
| 25) 2-Butanone                 | 7.00  | 43   | 1241     | 1.852     | ug/l #  | 87       |
| 36) 1,1-Dichloropropene        | 7.80  | 75   | 12157    | 4.240     | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 14710    | 5.998     | ug/l #  | 16       |
| 76) 1,2,3-Trichloropropane     | 12.49 | 75   | 63844    | 46.548    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.49 | 75   | 63844    | 90.535    | ug/l #  | 20       |

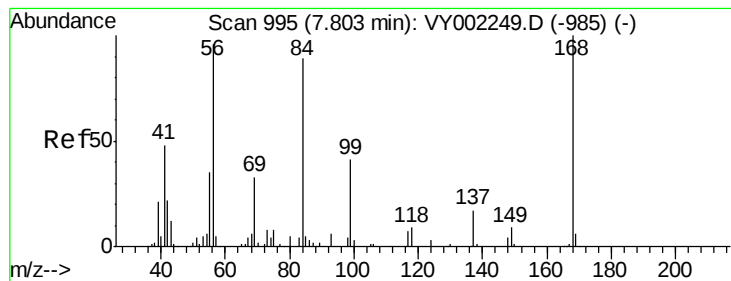
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 01:56:46 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y040820S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 08 15:15:02 2020  
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: VY002259.D

Acq: 08 Apr 2020 18:47

Instrument :

MSVOA\_Y

ClientSampled :

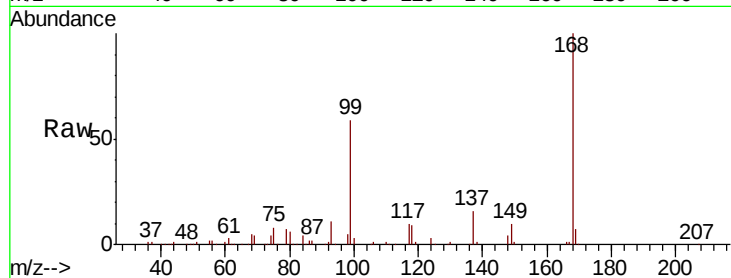
TP-39-38

Tot Ion:168 Resp: 144544

Ion Ratio Lower Upper

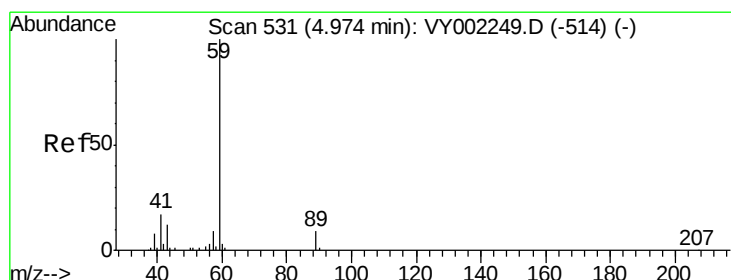
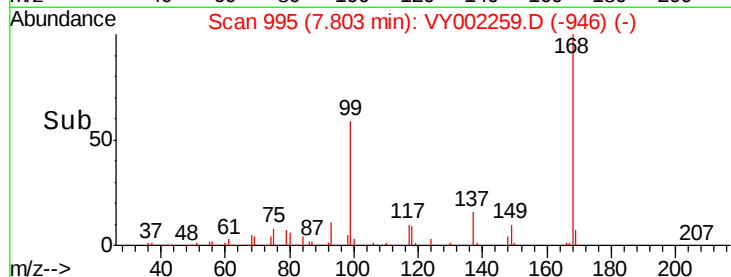
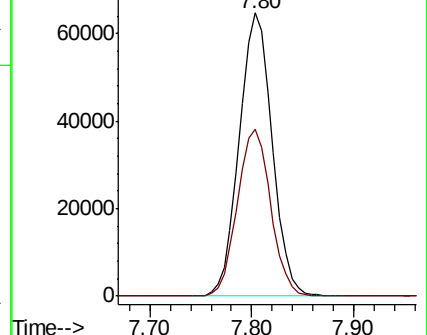
168 100

99 58.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002259.D

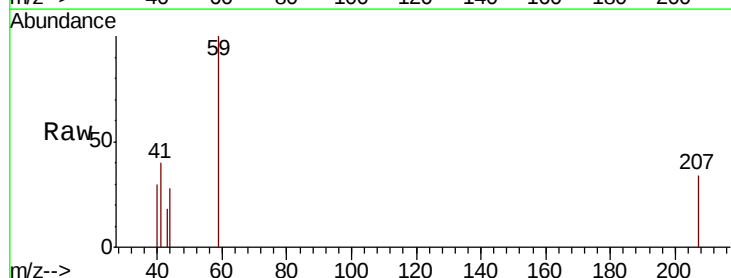
Acq: 08 Apr 2020 18:47

Tgt Ion: 59 Resp: 1327

Ion Ratio Lower Upper

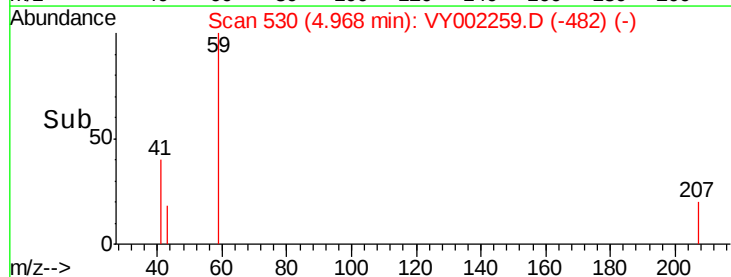
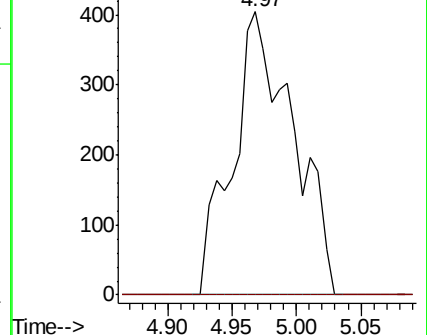
59 100

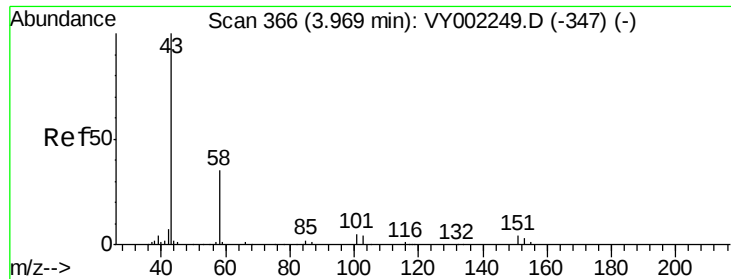
57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)





#16

Acetone

Concen: 19.094 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002259.D

Acq: 08 Apr 2020 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

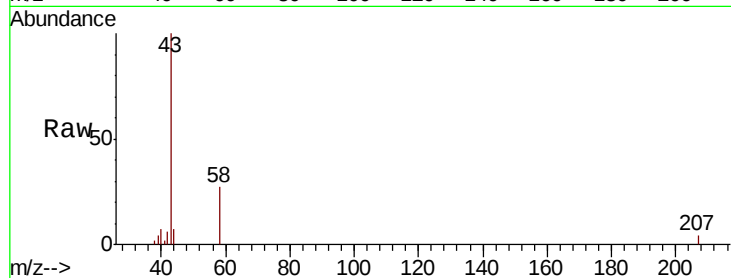
TP-39-38

Tot Ion: 43 Resp: 8084

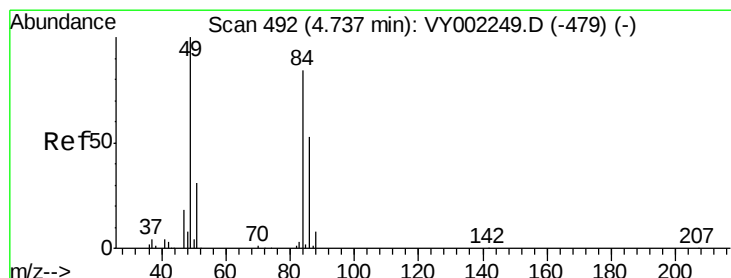
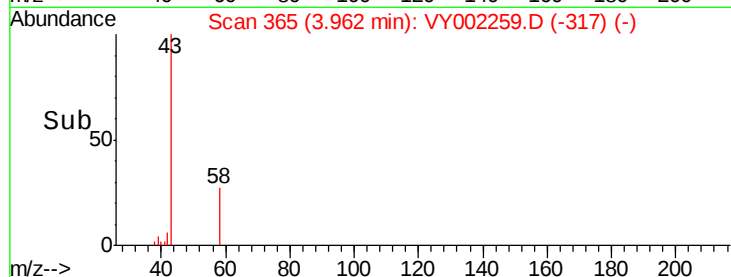
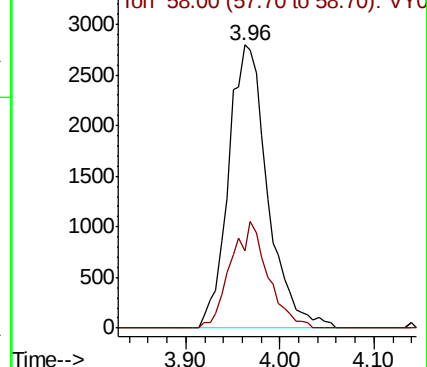
Ion Ratio Lower Upper

43 100

58 27.5 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)



#20

Methylene Chloride

Concen: 2.988 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002259.D

Acq: 08 Apr 2020 18:47

Tgt Ion: 84 Resp: 6217

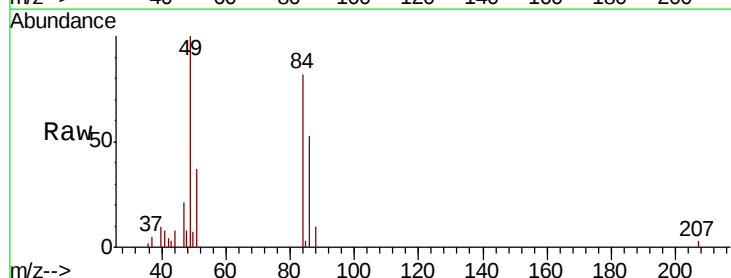
Ion Ratio Lower Upper

84 100

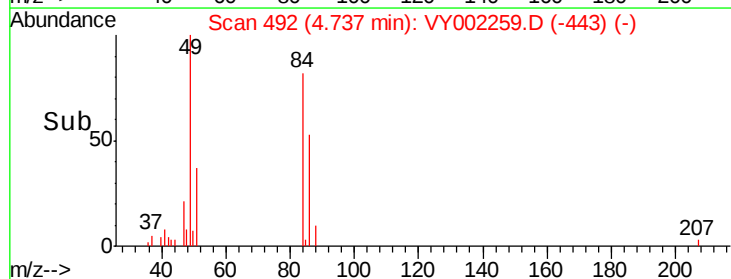
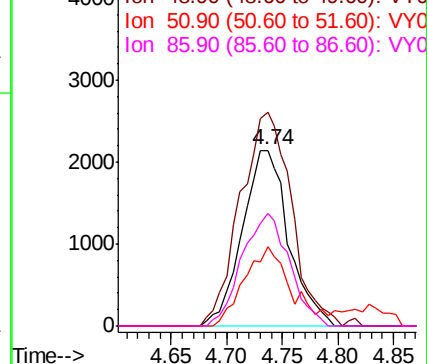
49 121.8 95.5 143.3

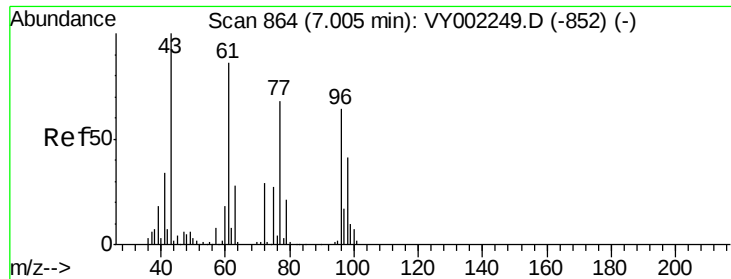
51 45.1 29.5 44.3#

86 64.6 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VY002249.D (-479) (-)





#25

2-Butanone

Concen: 1.852 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002259.D

Acq: 08 Apr 2020 18:47

Instrument :

MSVOA\_Y

ClientSampled :

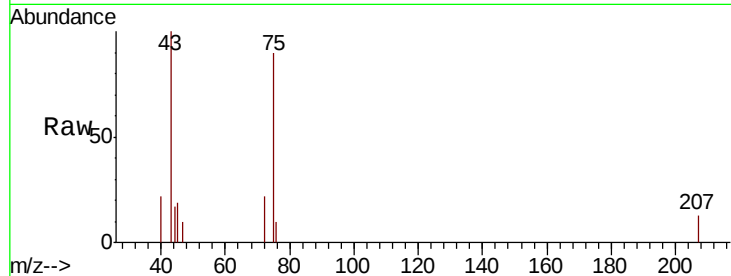
TP-39-38

Tot Ion: 43 Resp: 1241

Ion Ratio Lower Upper

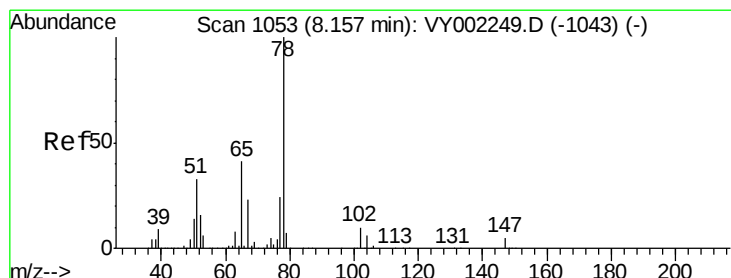
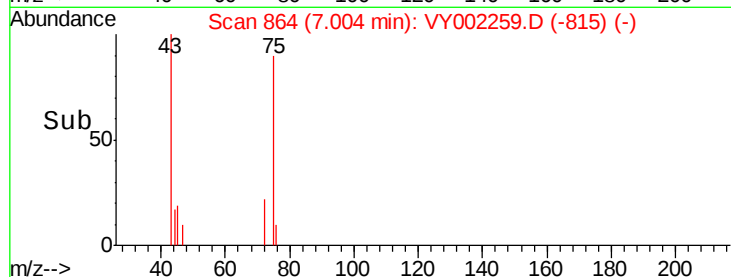
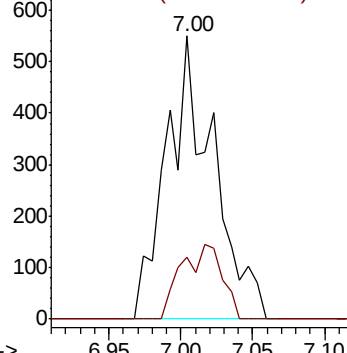
43 100

72 22.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 59.424 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002259.D

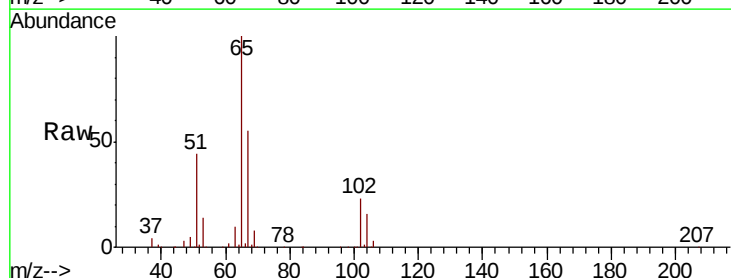
Acq: 08 Apr 2020 18:47

Tgt Ion: 65 Resp: 95520

Ion Ratio Lower Upper

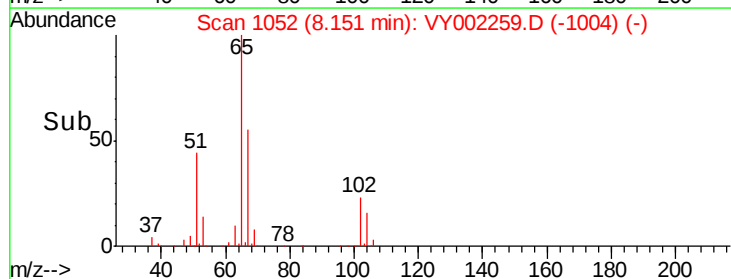
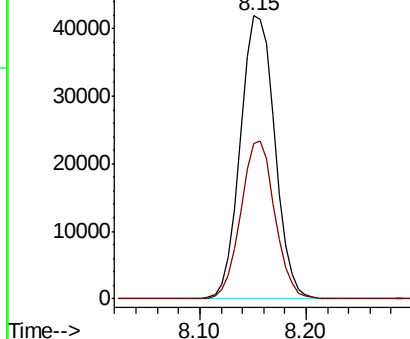
65 100

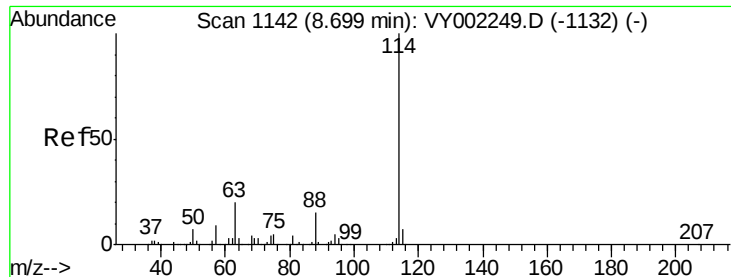
67 54.9 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

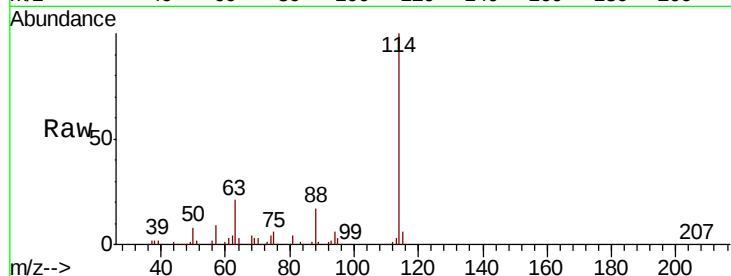




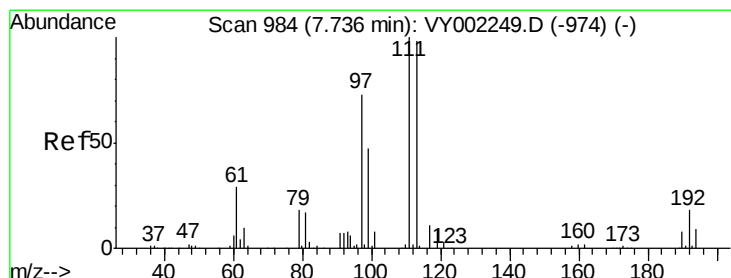
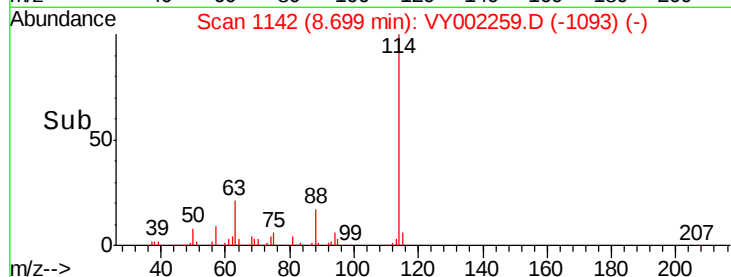
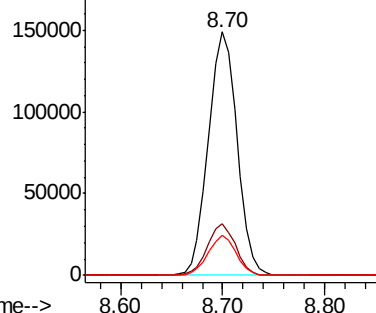
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.00 min  
 Lab File: VY002259.D  
 Acq: 08 Apr 2020 18:47

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-39-38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.1  | 0.0   | 39.0  |
| 88      | 16.6  | 0.0   | 31.0  |

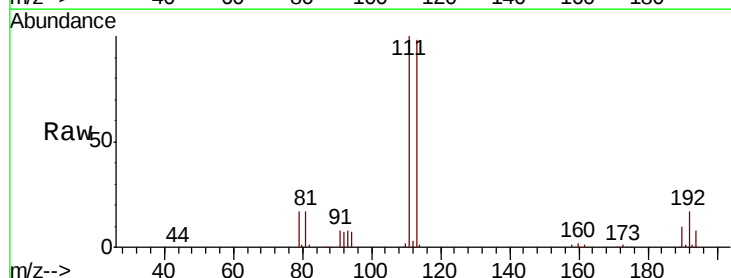


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

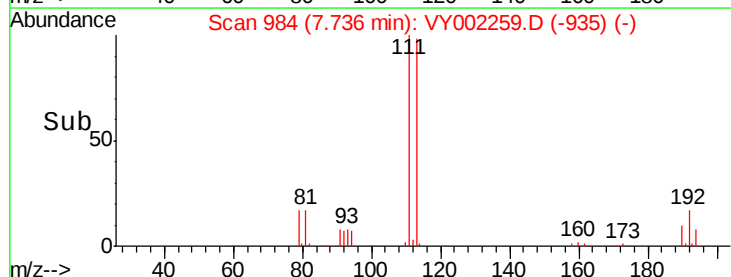
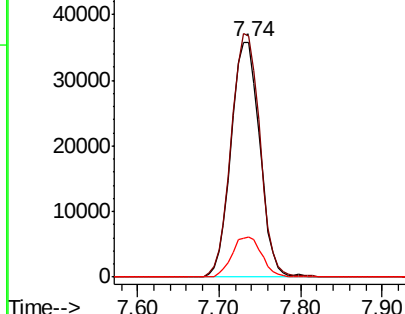


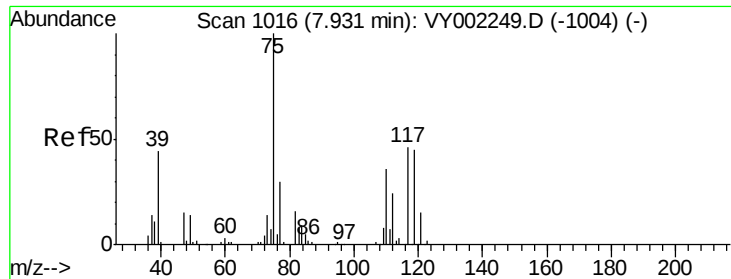
#35  
 Dibromofluoromethane  
 Concen: 50.128 ug/l  
 RT: 7.74 min Scan# 984  
 Delta R.T. -0.00 min  
 Lab File: VY002259.D  
 Acq: 08 Apr 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 83.5  | 125.3 |
| 192     | 17.6  | 14.7  | 22.1  |



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

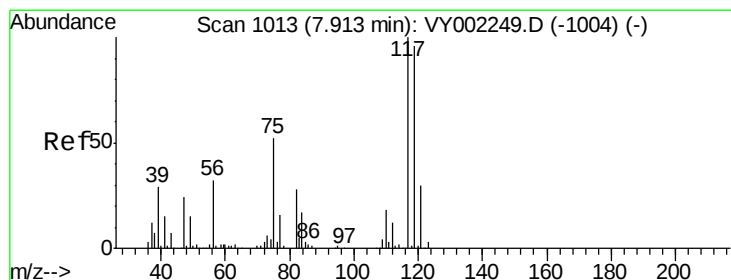
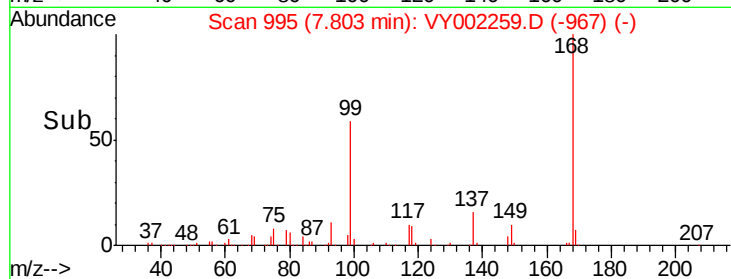
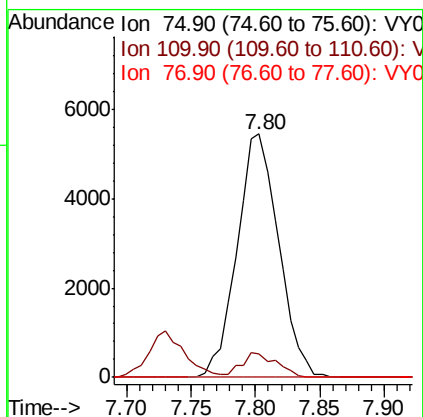
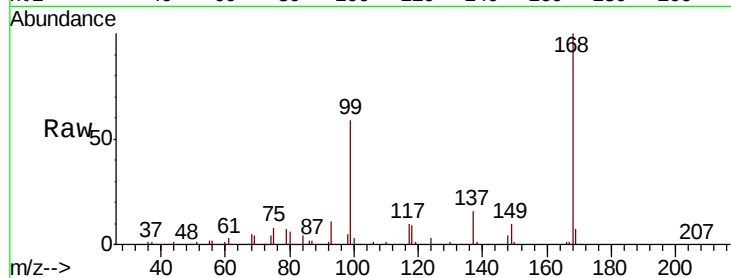




#36  
 1,1-Dichloropropene  
 Concen: 4.240 ug/l  
 RT: 7.80 min Scan# 995  
 Delta R.T. -0.13 min  
 Lab File: VY002259.D  
 Acq: 08 Apr 2020 18:47

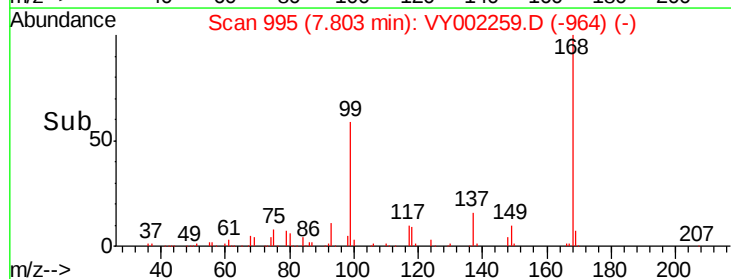
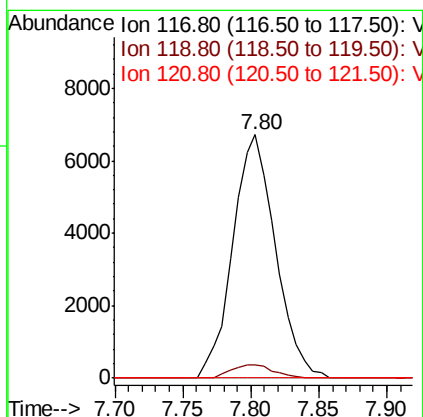
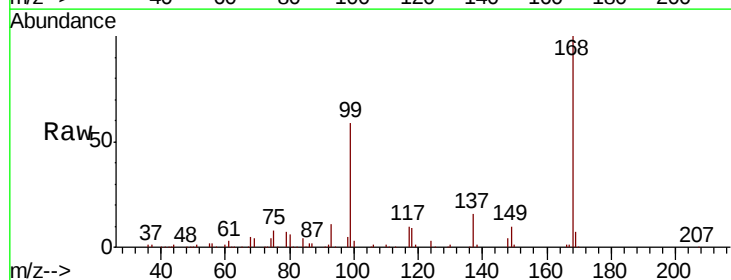
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 TP-39-38

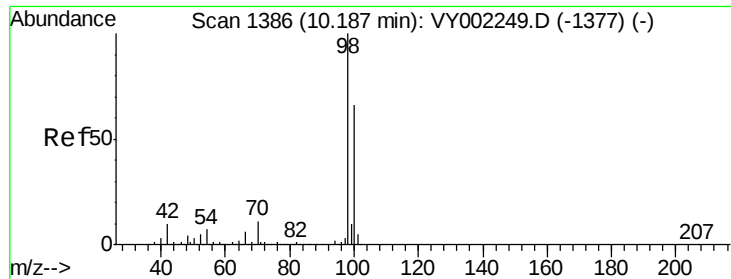
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.3   | 17.8  | 53.3# |
| 77      | 0.0   | 24.4  | 36.6# |



#38  
 Carbon Tetrachloride  
 Concen: 5.998 ug/l  
 RT: 7.80 min Scan# 995  
 Delta R.T. -0.11 min  
 Lab File: VY002259.D  
 Acq: 08 Apr 2020 18:47

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.4   | 77.1  | 115.7# |
| 121     | 0.0   | 23.9  | 35.9#  |





#50

Toluene-d8

Concen: 49.141 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002259.D

Acq: 08 Apr 2020 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

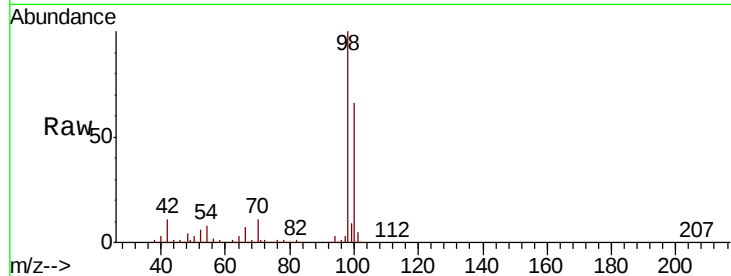
TP-39-38

Tot Ion: 98 Resp: 356231

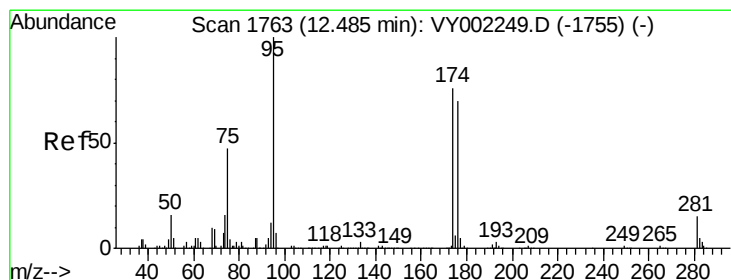
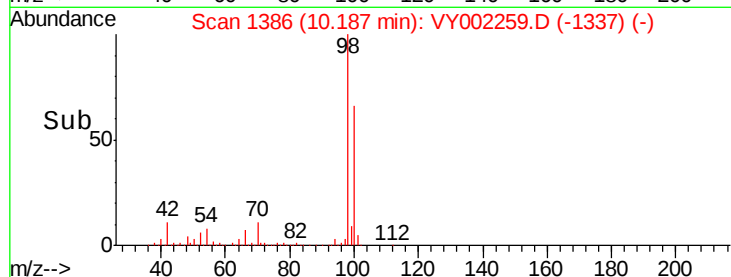
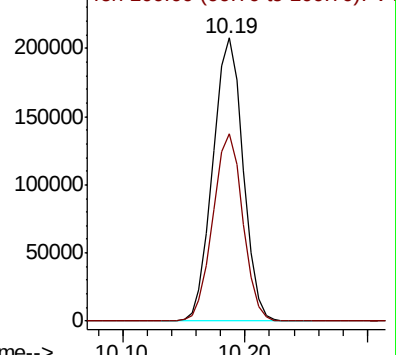
Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY002249.D (-1377) (-)



#62

4-Bromofluorobenzene

Concen: 53.001 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002259.D

Acq: 08 Apr 2020 18:47

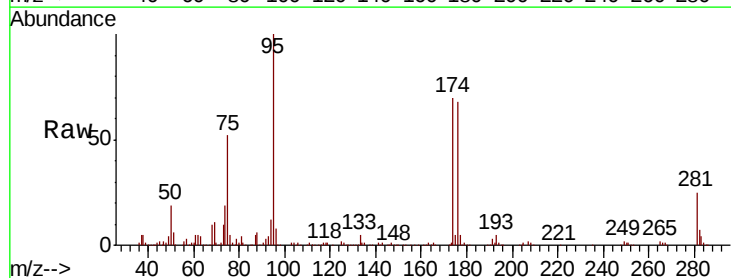
Tgt Ion: 95 Resp: 126757

Ion Ratio Lower Upper

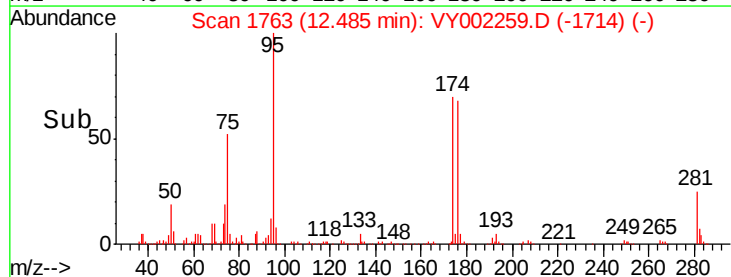
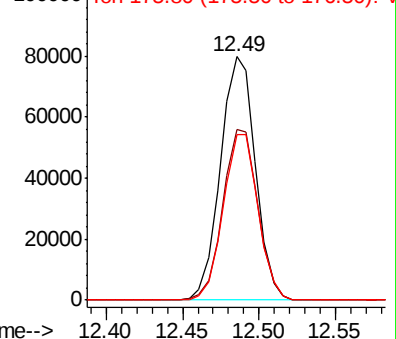
95 100

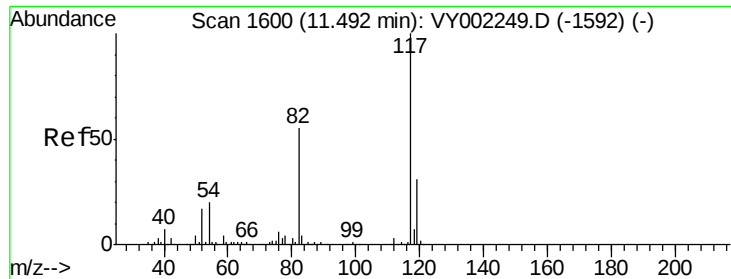
174 70.0 0.0 150.6

176 68.2 0.0 141.4



Abundance Ion 94.90 (94.60 to 95.60): VY002249.D (-1755) (-)

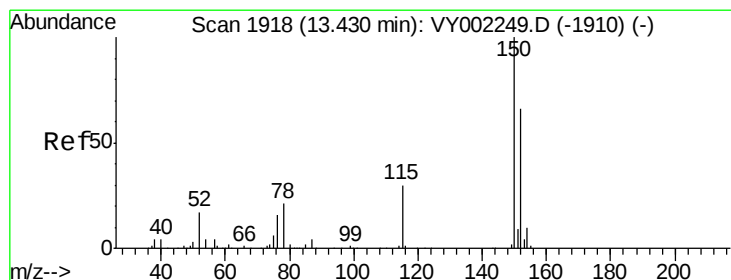
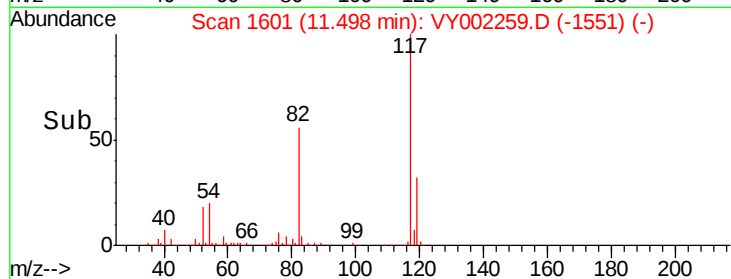
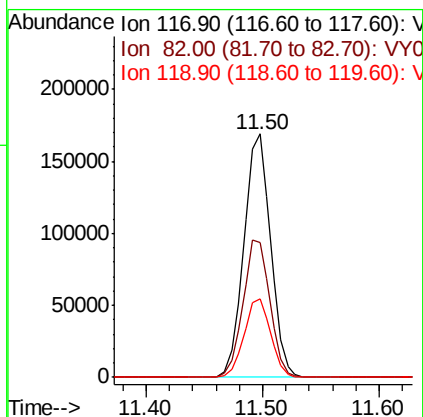
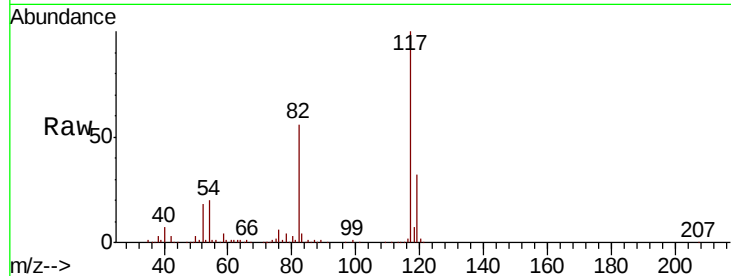




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: VY002259.D  
Acq: 08 Apr 2020 18:47

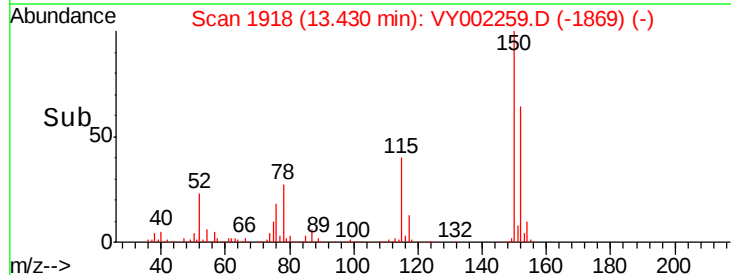
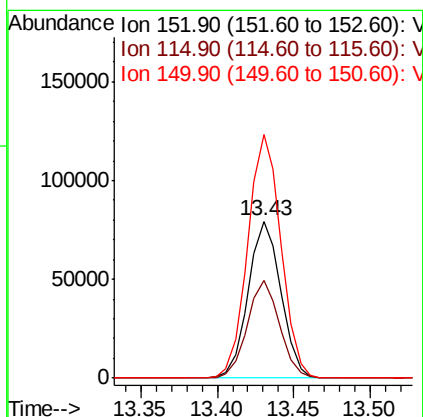
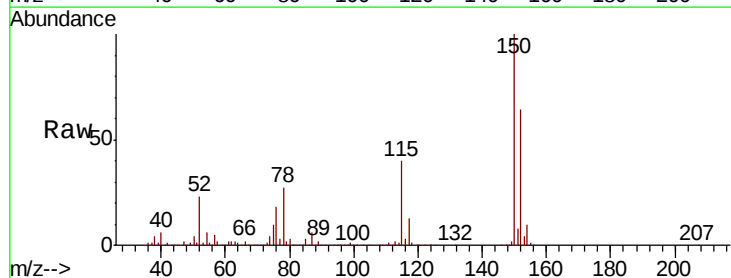
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-39-38

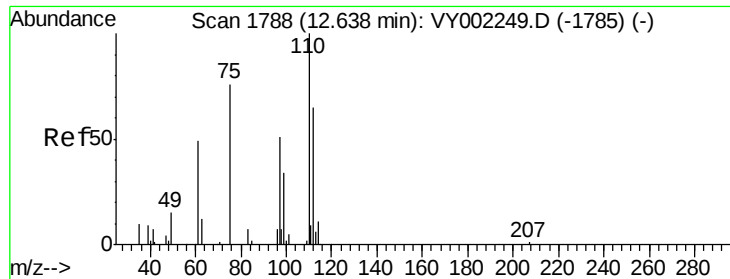
Tot Ion:117 Resp: 271291  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.2 66.4  
119 32.5 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.00 min  
Lab File: VY002259.D  
Acq: 08 Apr 2020 18:47

Tgt Ion:152 Resp: 118115  
Ion Ratio Lower Upper  
152 100  
115 61.2 30.7 92.1  
150 157.1 0.0 350.6





#76

1,2,3-Trichloropropane

Concen: 46.548 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002259.D

Acq: 08 Apr 2020 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

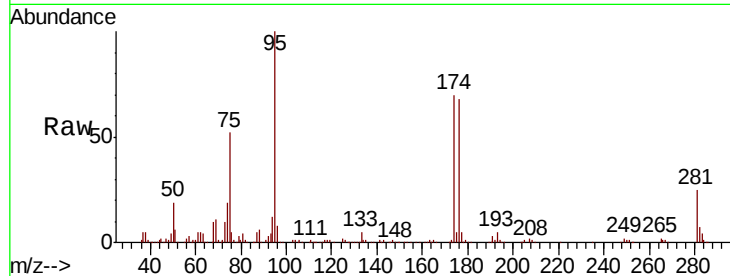
TP-39-38

Tot Ion: 75 Resp: 63844

Ion Ratio Lower Upper

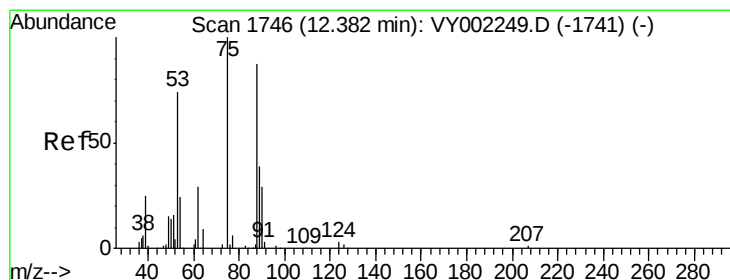
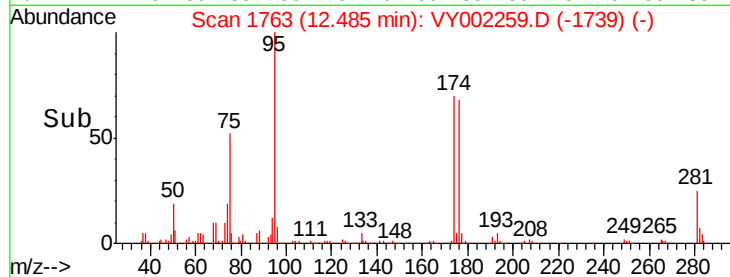
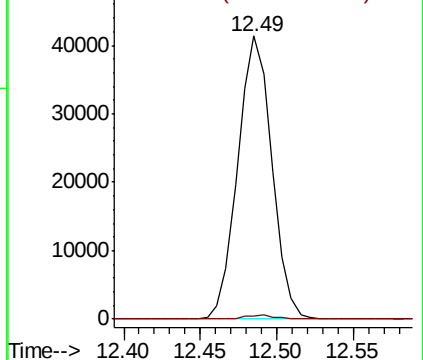
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 90.535 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002259.D

Acq: 08 Apr 2020 18:47

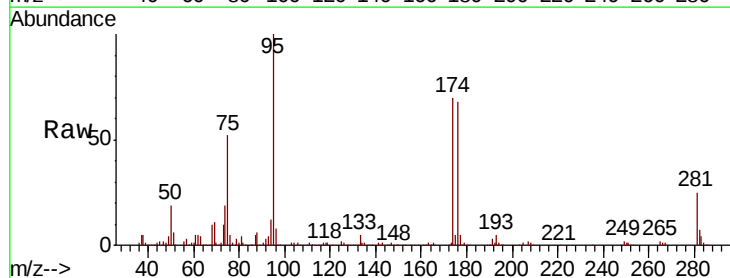
Tgt Ion: 75 Resp: 63844

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.9 37.0 55.6#



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

