

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\  
 Data File : VY002279.D  
 Acq On : 13 Apr 2020 14:55  
 Operator : SY/MD  
 Sample : L2215-01  
 Misc : 6.66G/5ML/MSVOA Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 14 06:16:02 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

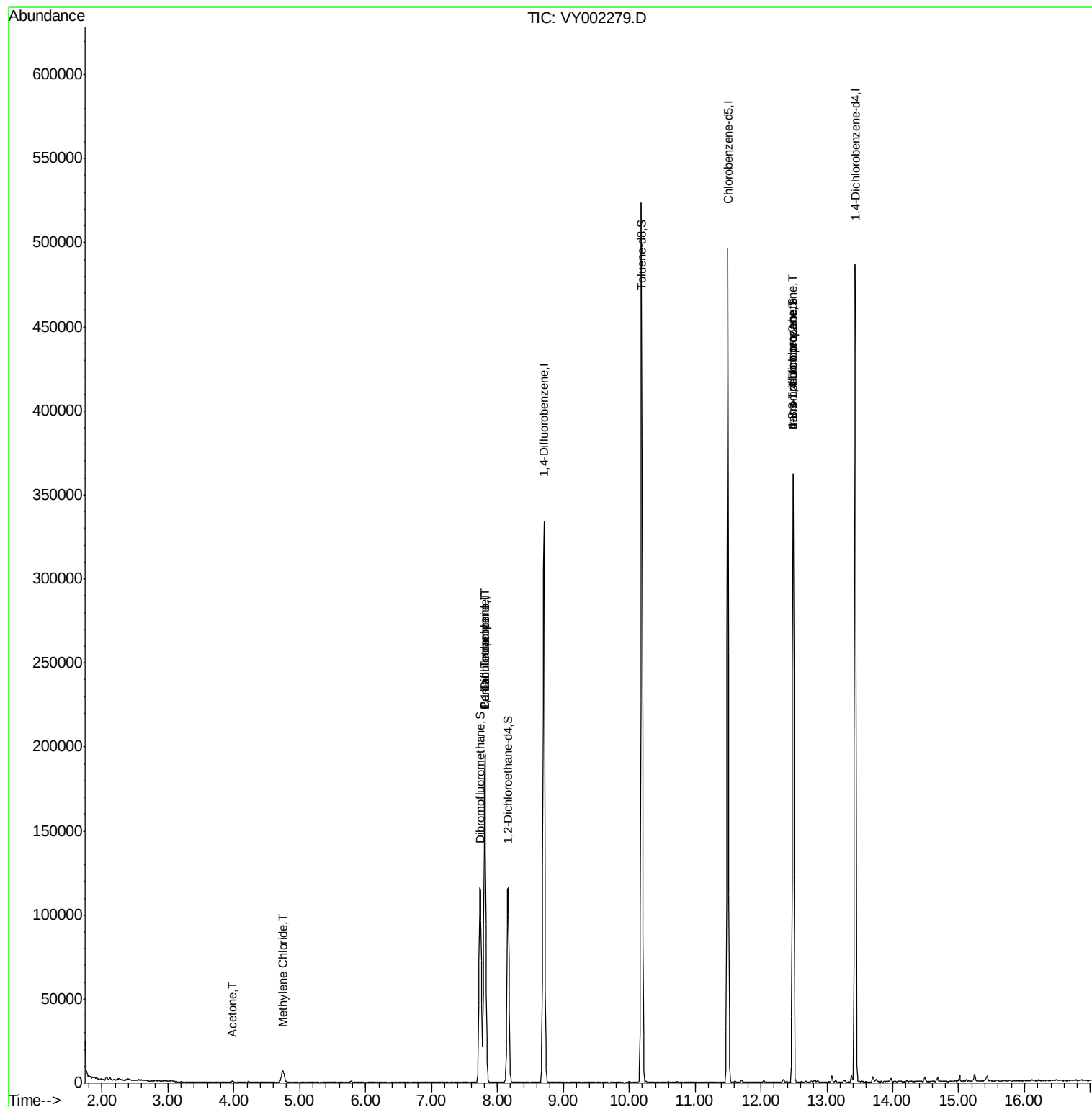
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.81  | 168  | 148262   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.71  | 114  | 291048   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.50 | 117  | 272899   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.43 | 152  | 119531   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.16  | 65   | 86279    | 52.33     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 104.66% |          |
| 35) Dibromofluoromethane       | 7.74  | 113  | 85810    | 49.55     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 99.10%  |          |
| 50) Toluene-d8                 | 10.19 | 98   | 352825   | 48.67     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 97.34%  |          |
| 62) 4-Bromofluorobenzene       | 12.49 | 95   | 124787   | 52.18     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 104.36% |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 11) Tert butyl alcohol         | 4.99  | 59   | 30       | Below Cal | #       | 77       |
| 16) Acetone                    | 3.98  | 43   | 1374     | 3.164     | ug/l    | 91       |
| 20) Methylene Chloride         | 4.75  | 84   | 5932     | 2.779     | ug/l    | 85       |
| 36) 1,1-Dichloropropene        | 7.81  | 75   | 12320    | 4.298     | ug/l #  | 50       |
| 38) Carbon Tetrachloride       | 7.81  | 117  | 15184    | 6.192     | ug/l #  | 16       |
| 76) 1,2,3-Trichloropropane     | 12.49 | 75   | 59826    | 43.102    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.49 | 75   | 59826    | 83.832    | ug/l #  | 19       |

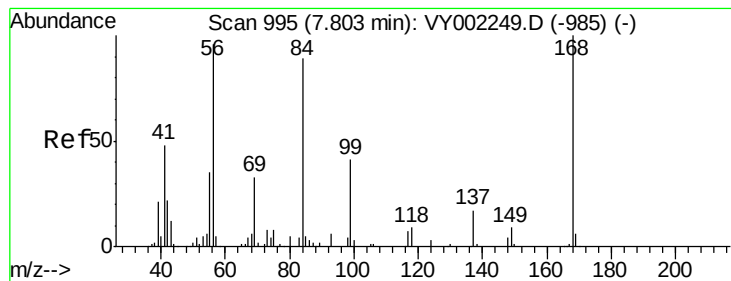
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 08 15:15:02 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002279.D

Acq: 13 Apr 2020 14:55

Instrument :

MSVOA\_Y

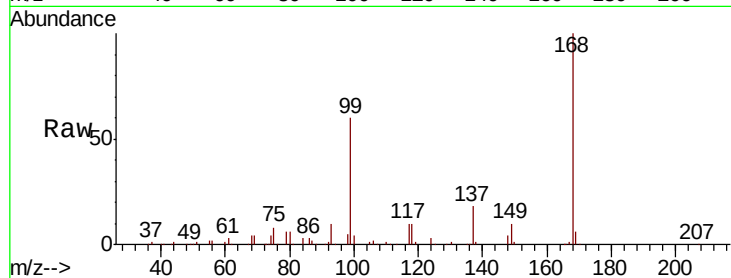
ClientSampleId :

Tot Ion:168 Resp: 148262

Ion Ratio Lower Upper

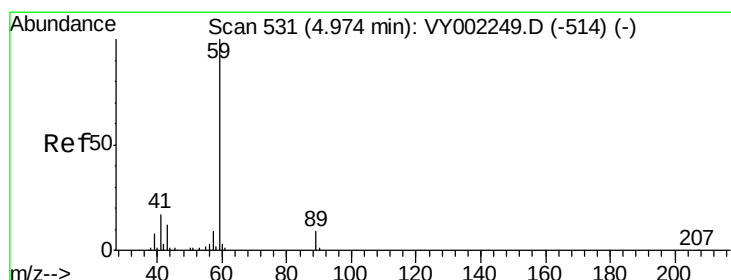
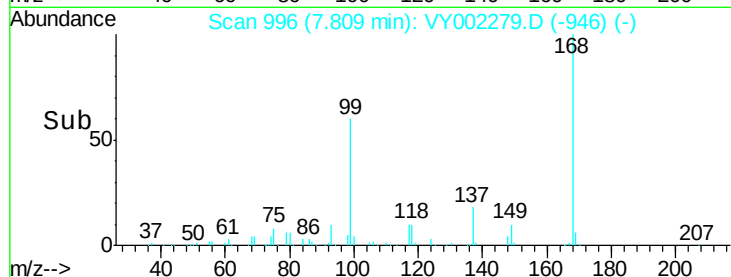
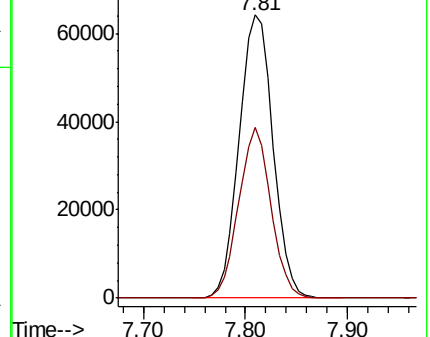
168 100

99 60.2 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: 4.99 min Scan# 533

Delta R.T. 0.01 min

Lab File: VY002279.D

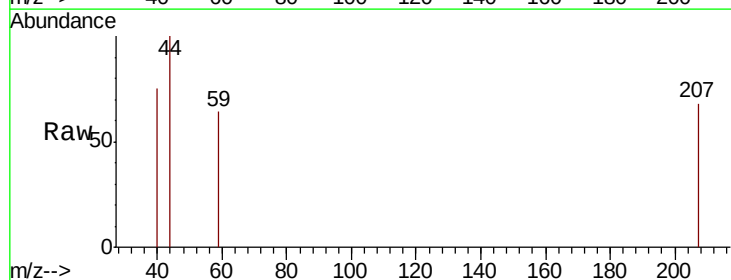
Acq: 13 Apr 2020 14:55

Tgt Ion: 59 Resp: 30

Ion Ratio Lower Upper

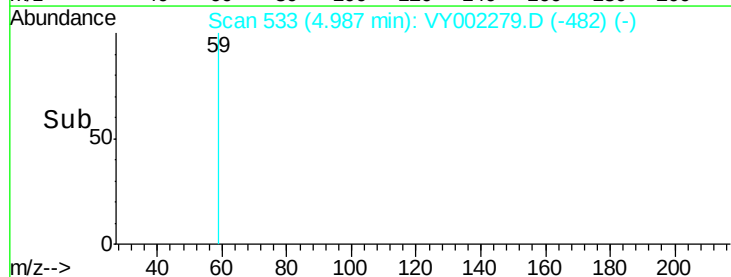
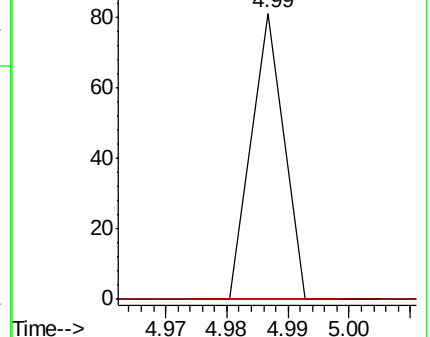
59 100

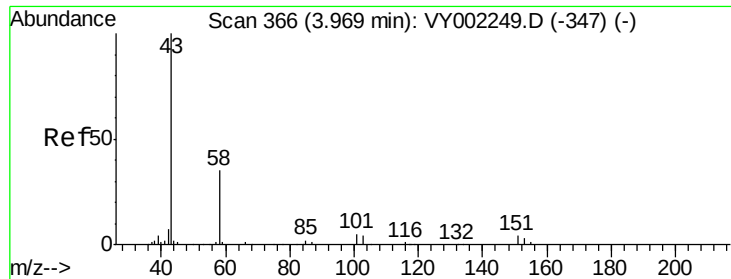
57 0.0 6.6 9.8#



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: 3.164 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002279.D

Acq: 13 Apr 2020 14:55

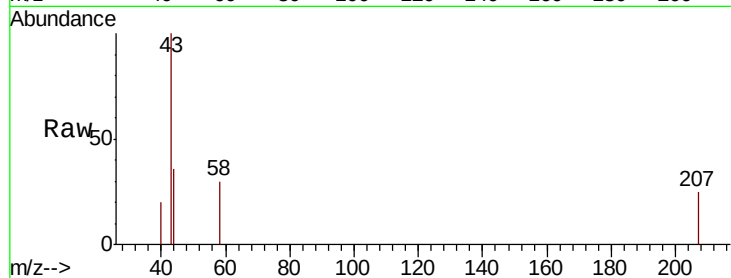
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tot Ion: 43 Resp: 1374

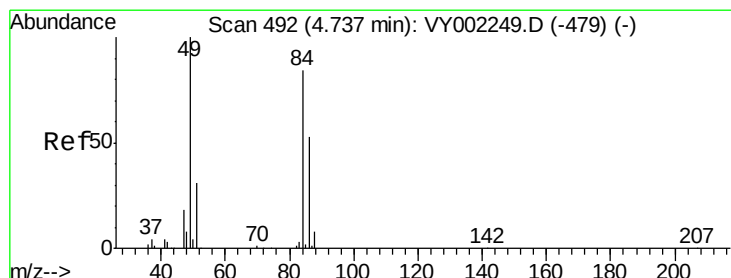
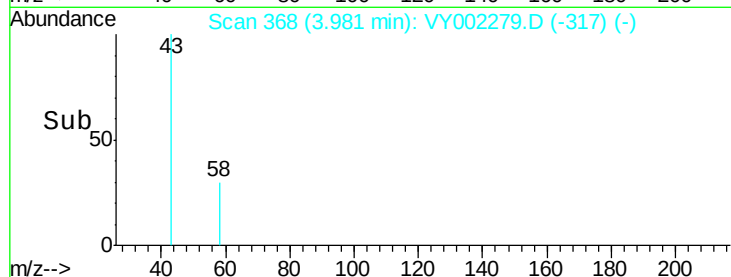
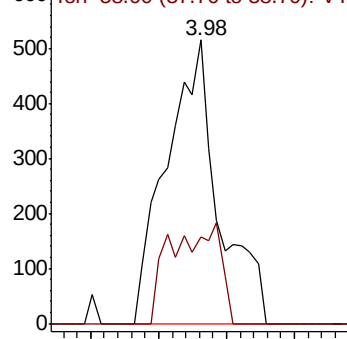
Ion Ratio Lower Upper

43 100

58 30.5 28.5 42.7



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



#20

Methylene Chloride

Concen: 2.779 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002279.D

Acq: 13 Apr 2020 14:55

Tgt Ion: 84 Resp: 5932

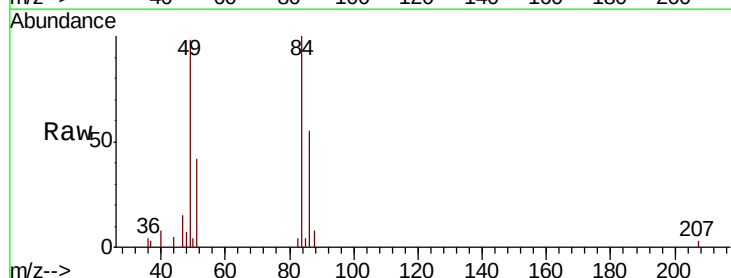
Ion Ratio Lower Upper

84 100

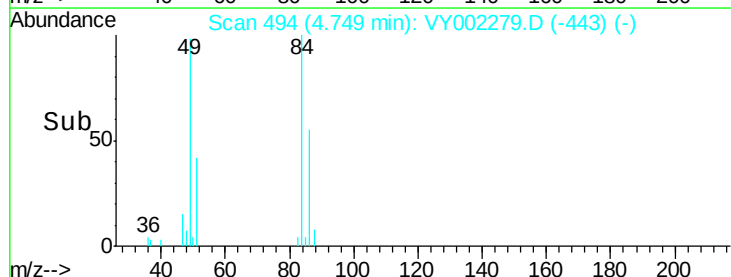
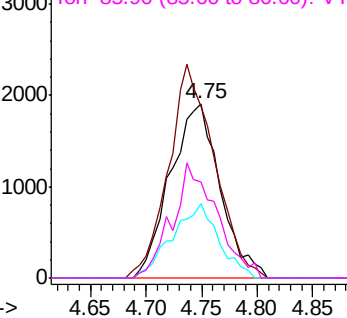
49 98.3 95.5 143.3

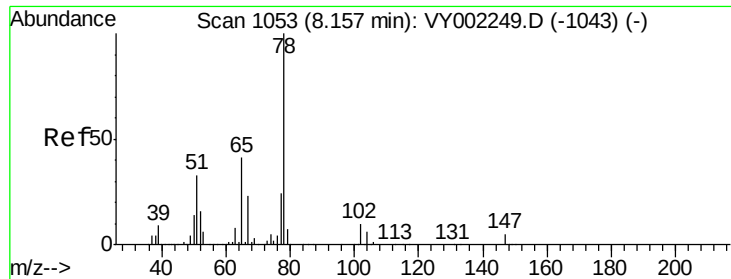
51 42.2 29.5 44.3

86 54.9 50.7 76.1



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

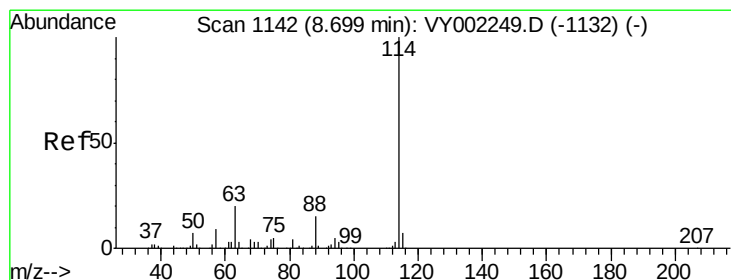
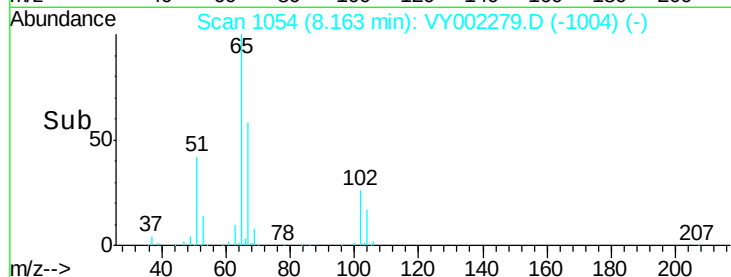
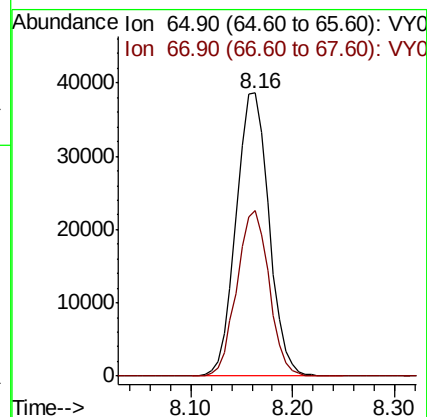
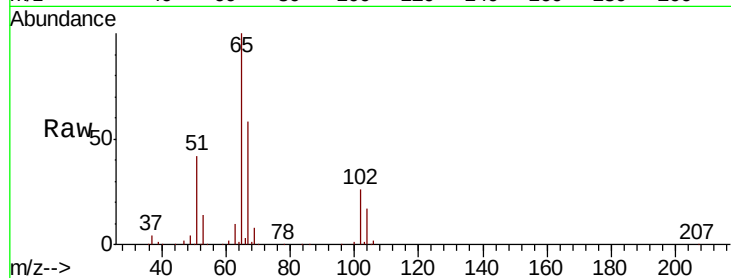




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.329 ug/l  
 RT: 8.16 min Scan# 1054  
 Delta R.T. 0.01 min  
 Lab File: VY002279.D  
 Acq: 13 Apr 2020 14:55

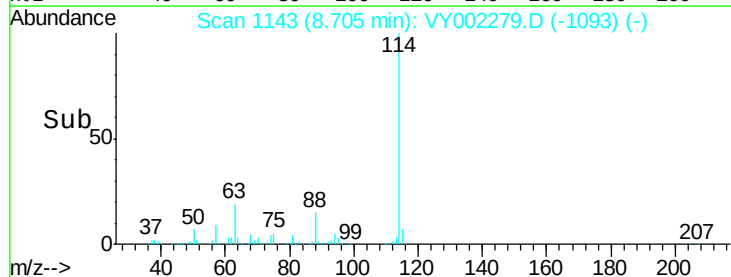
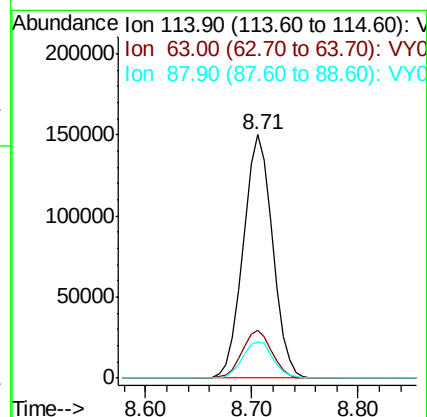
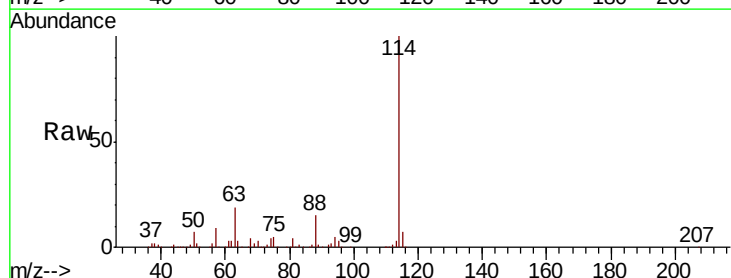
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

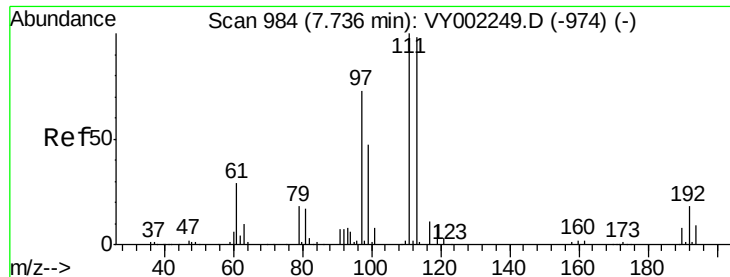
Tot Ion: 65 Resp: 86279  
 Ion Ratio Lower Upper  
 65 100  
 67 57.1 0.0 114.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. 0.01 min  
 Lab File: VY002279.D  
 Acq: 13 Apr 2020 14:55

Tgt Ion: 114 Resp: 291048  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 39.0  
 88 14.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.549 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002279.D

Acq: 13 Apr 2020 14:55

Instrument :

MSVOA\_Y

ClientSampleId :

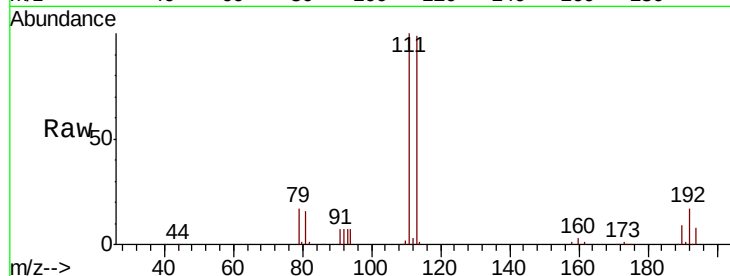
Tot Ion:113 Resp: 85810

Ion Ratio Lower Upper

113 100

111 103.0 83.5 125.3

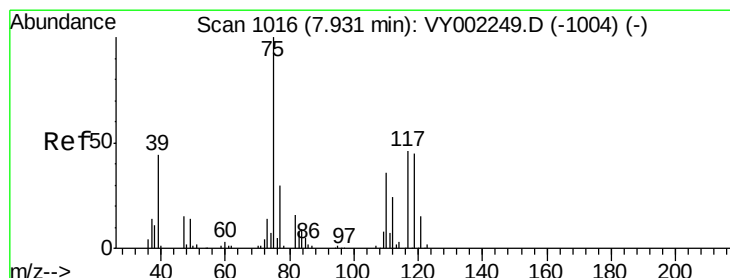
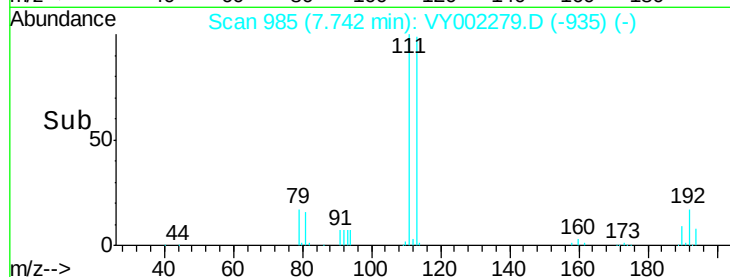
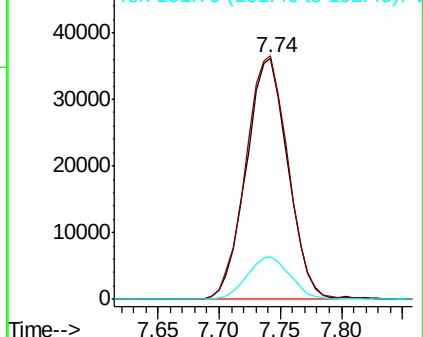
192 17.9 14.7 22.1



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: 4.298 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002279.D

Acq: 13 Apr 2020 14:55

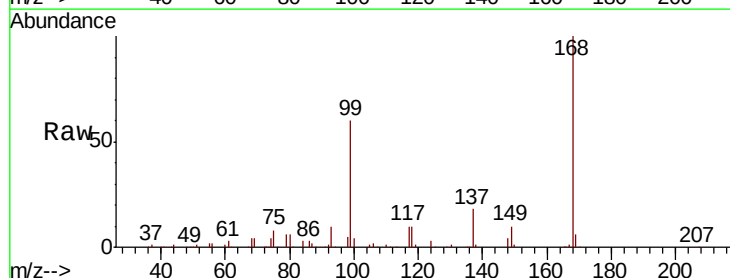
Tgt Ion: 75 Resp: 12320

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.3#

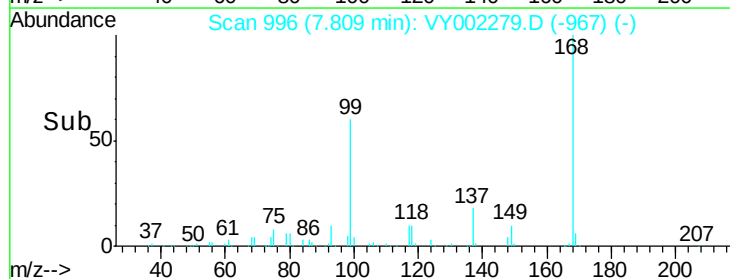
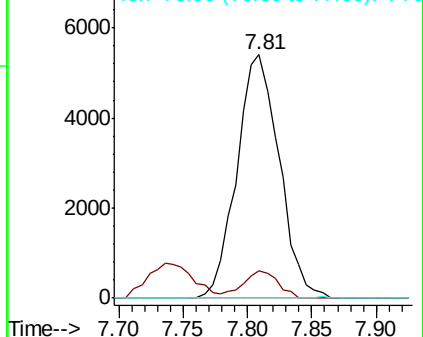
77 0.0 24.4 36.6#

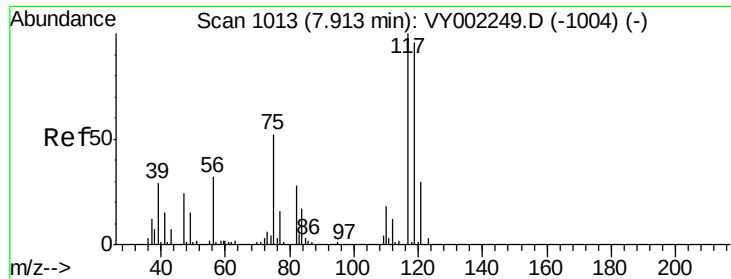


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.192 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY002279.D

Acq: 13 Apr 2020 14:55

Instrument :

MSVOA\_Y

ClientSampled :

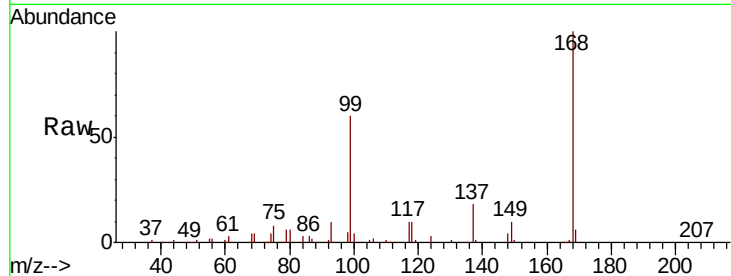
Tot Ion:117 Resp: 15184

Ion Ratio Lower Upper

117 100

119 5.9 77.1 115.7#

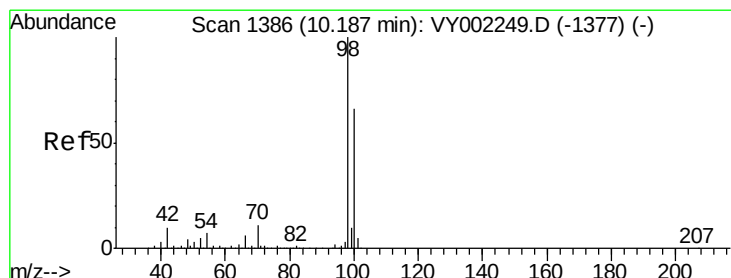
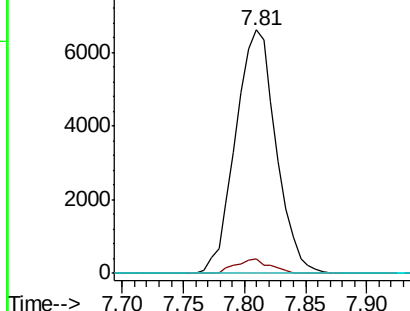
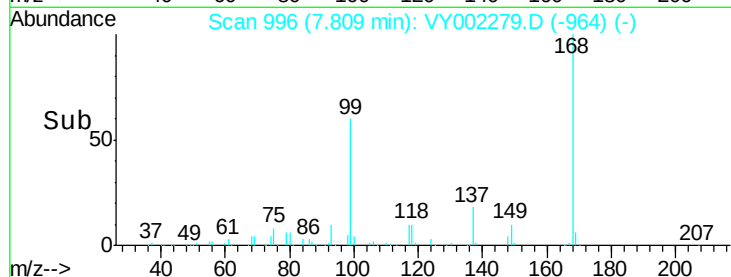
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 48.674 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002279.D

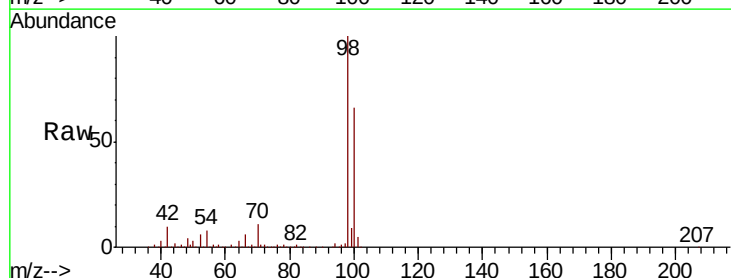
Acq: 13 Apr 2020 14:55

Tgt Ion: 98 Resp: 352825

Ion Ratio Lower Upper

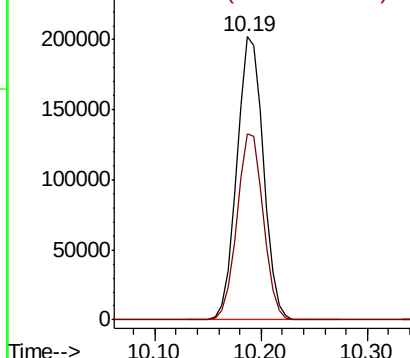
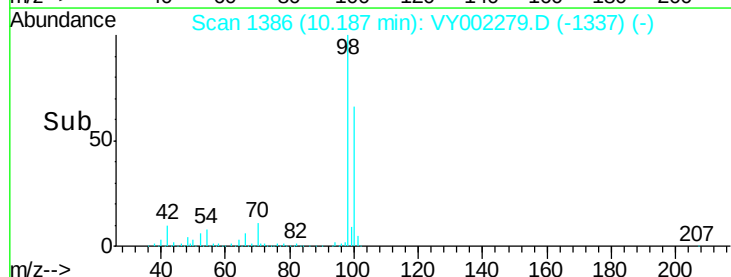
98 100

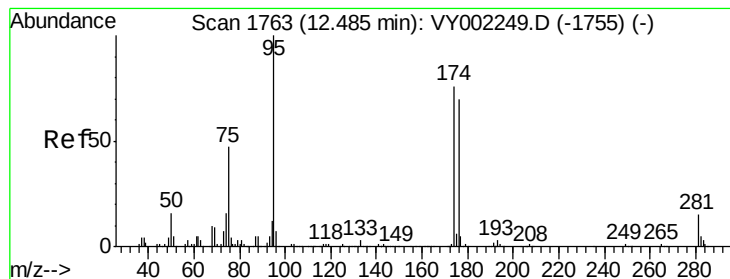
100 65.4 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 52.180 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002279.D

Acq: 13 Apr 2020 14:55

Instrument :

MSVOA\_Y

ClientSampleId :

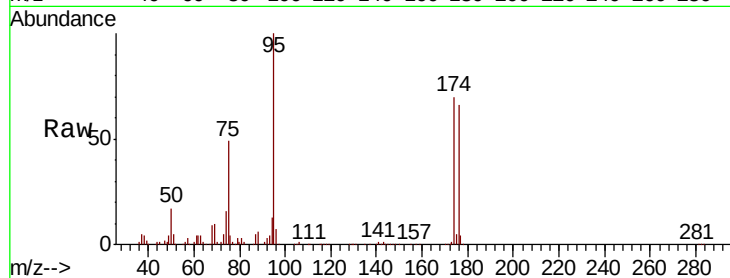
Tot Ion: 95 Resp: 124787

Ion Ratio Lower Upper

95 100

174 72.1 0.0 150.6

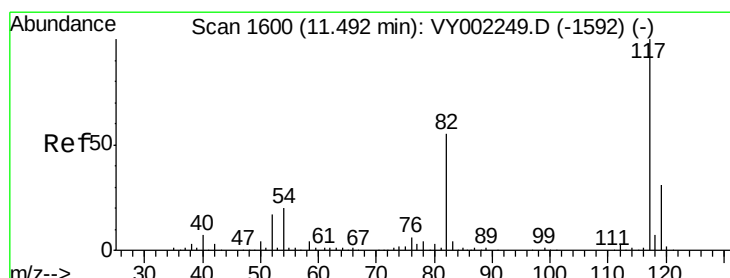
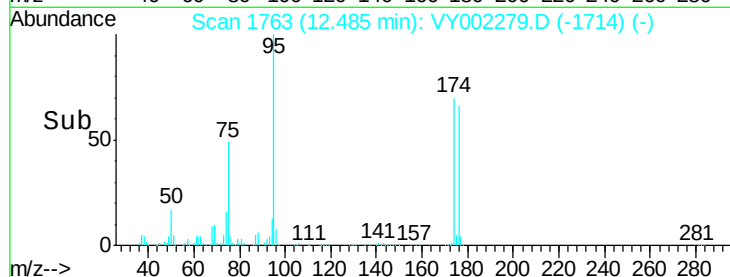
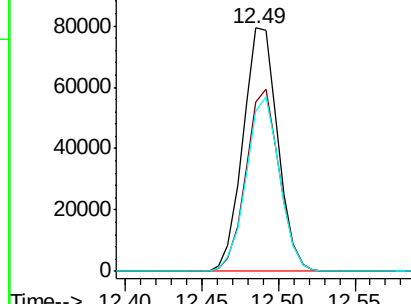
176 69.3 0.0 141.4



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

Ion 173.80 (173.50 to 174.50): VY002249.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): 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: VY002279.D

Acq: 13 Apr 2020 14:55

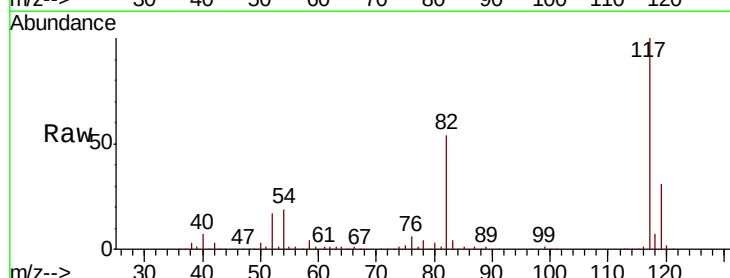
Tgt Ion: 117 Resp: 272899

Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.4

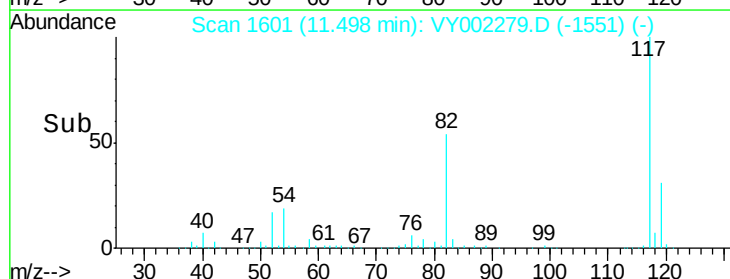
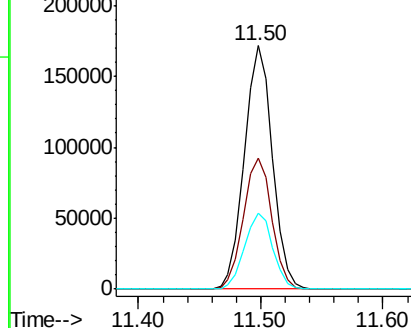
119 31.1 25.1 37.7



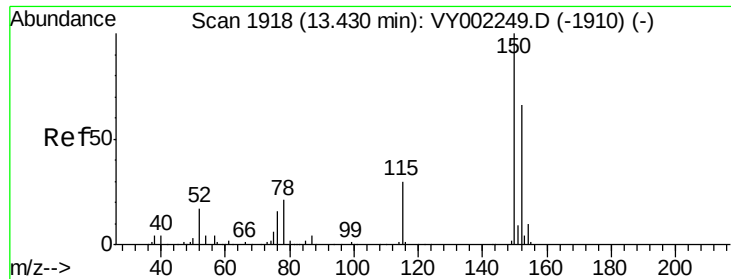
Abundance Ion 116.90 (116.60 to 117.60): VY002249.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002249.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002249.D (-1592) (-)







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002279.D

Acq: 13 Apr 2020 14:55

Instrument :

MSVOA\_Y

ClientSampleId :

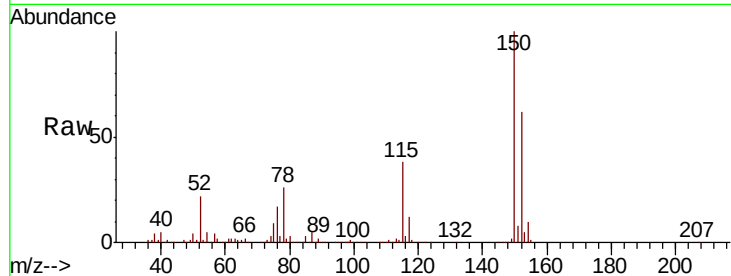
Tot Ion:152 Resp: 119531

Ion Ratio Lower Upper

152 100

115 60.8 30.7 92.1

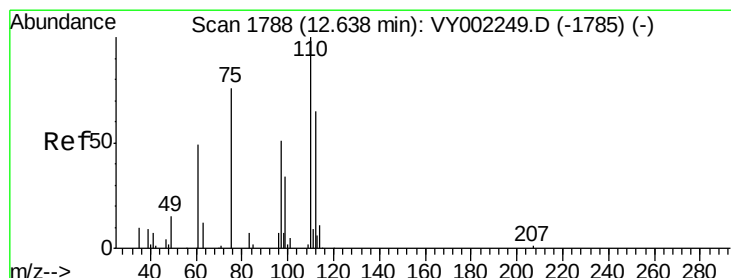
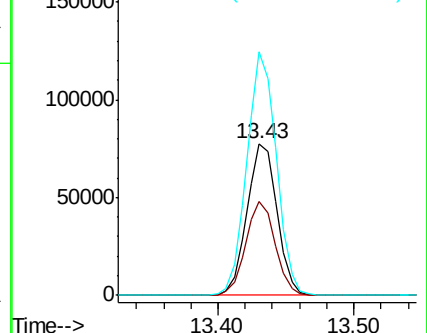
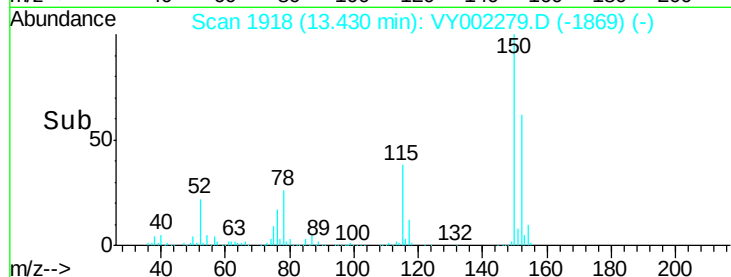
150 158.0 0.0 350.6



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



#76

1,2,3-Trichloropropane

Concen: 43.102 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002279.D

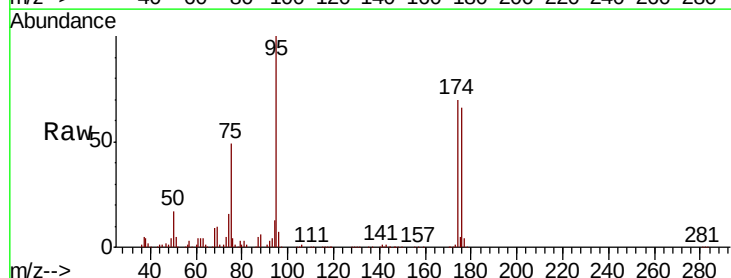
Acq: 13 Apr 2020 14:55

Tgt Ion: 75 Resp: 59826

Ion Ratio Lower Upper

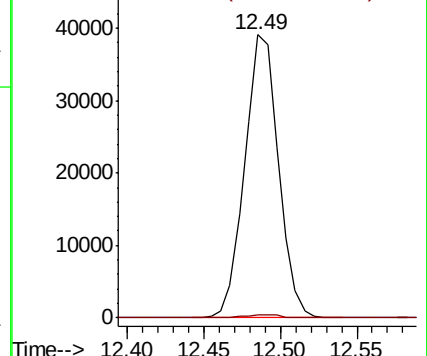
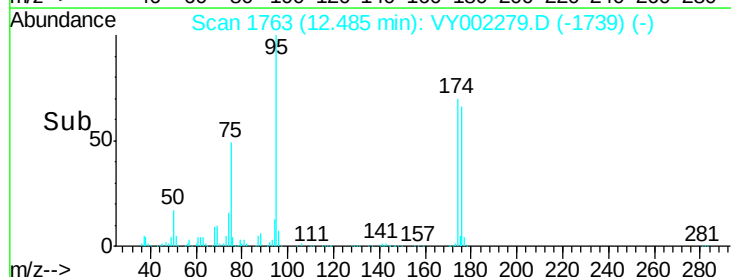
75 100

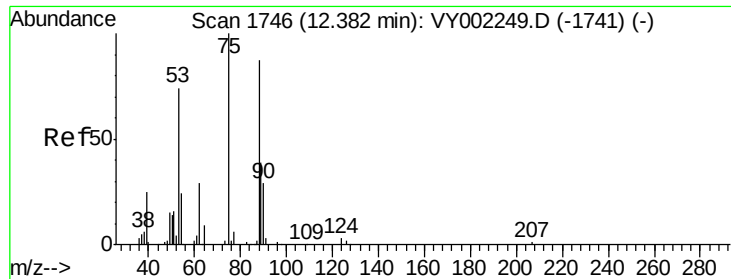
77 1.3 0.0 0.0#



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: 83.832 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002279.D

Acq: 13 Apr 2020 14:55

Instrument :

MSVOA\_Y

ClientSampleId :

Tot Ion: 75 Resp: 59826

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.1 37.0 55.6#

