

Data File : VY001983.D  
Acq On : 16 Mar 2020 15:15  
Operator : SY/MD  
Sample : L1943-09  
Misc : 6.65G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
J-B-2(4-5)

Quant Time: Mar 17 08:06:46 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.82  | 168  | 140912   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 272146   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 251372   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 111111   | 50.00 | ug/l  | 0.00     |

System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.16   | 65  | 87158    | 57.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 115.88% |      |
| 35) Dibromofluoromethane  | 7.74   | 113 | 79392    | 53.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.86% |      |
| 50) Toluene-d8            | 10.19  | 98  | 330628   | 52.76 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.52% |      |
| 62) 4-Bromofluorobenzene  | 12.49  | 95  | 113814   | 52.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.46% |      |

Target Compounds

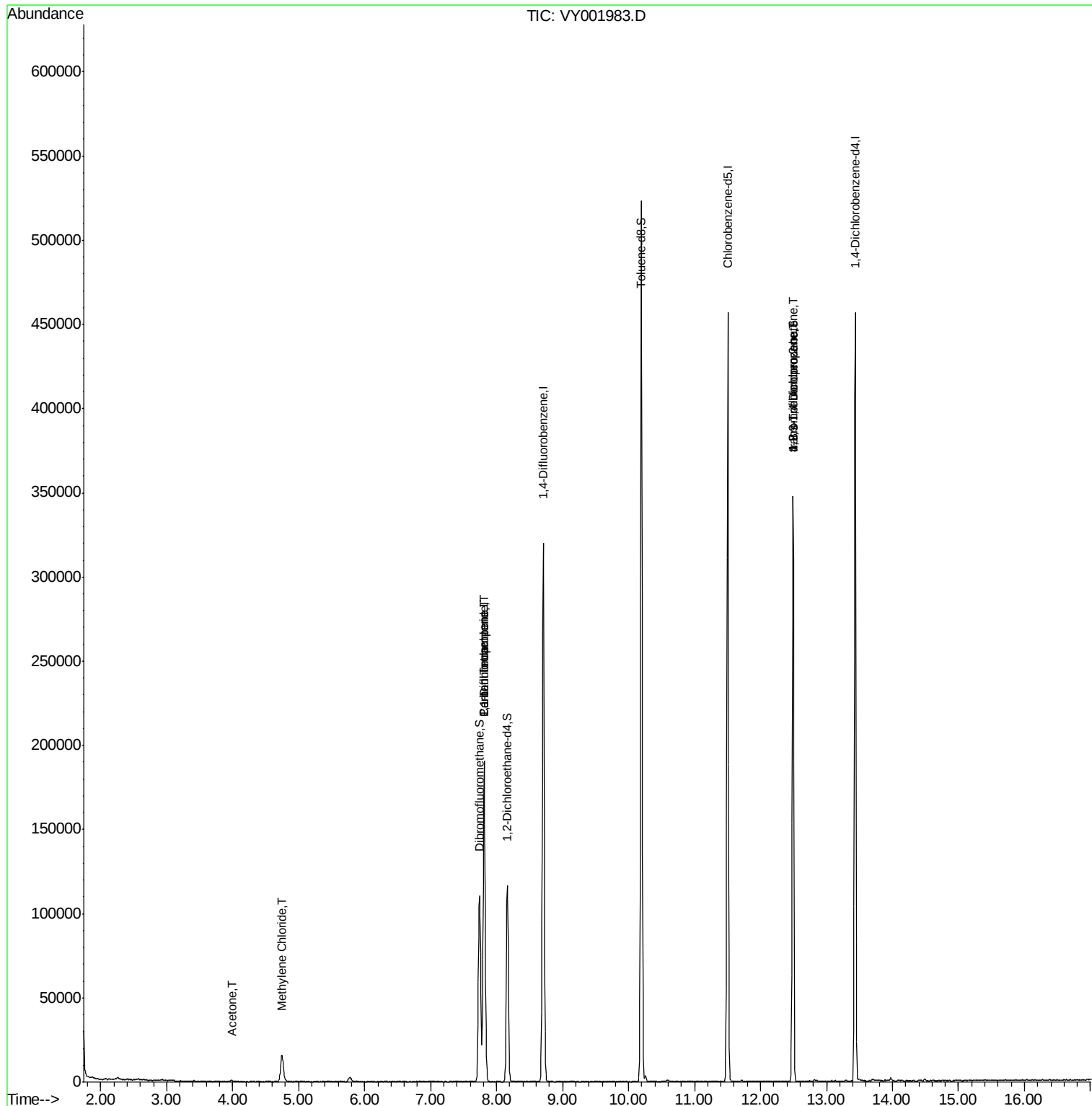
|                                |       |     |       |           | Qvalue |     |
|--------------------------------|-------|-----|-------|-----------|--------|-----|
| 11) Tert butyl alcohol         | 4.99  | 59  | 22    | Below Cal | #      | 74  |
| 16) Acetone                    | 3.99  | 43  | 1498  | 3.419     | ug/l # | 84  |
| 20) Methylene Chloride         | 4.75  | 84  | 11192 | 5.960     | ug/l   | 90  |
| 36) 1,1-Dichloropropene        | 7.81  | 75  | 11731 | 4.479     | ug/l # | 50  |
| 38) Carbon Tetrachloride       | 7.82  | 117 | 14210 | 6.352     | ug/l # | 16  |
| 76) 1,2,3-Trichloropropane     | 12.49 | 75  | 58479 | 44.356    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.49 | 75  | 58479 | 89.597    | ug/l # | 17  |

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

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Quant Title : SW846 8260  
QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001983.D

Acq: 16 Mar 2020 15:15

Instrument :

MSVOA\_Y

ClientSampleId :

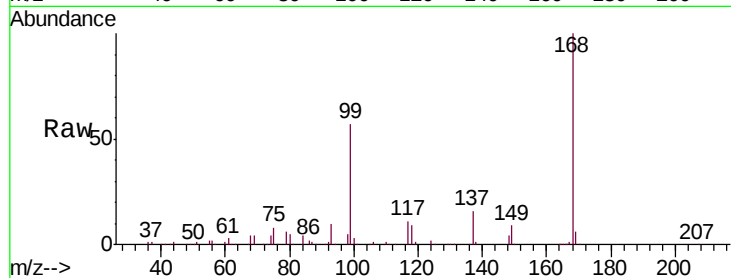
J-B-2(4-5)

Tgt Ion:168 Resp: 140912

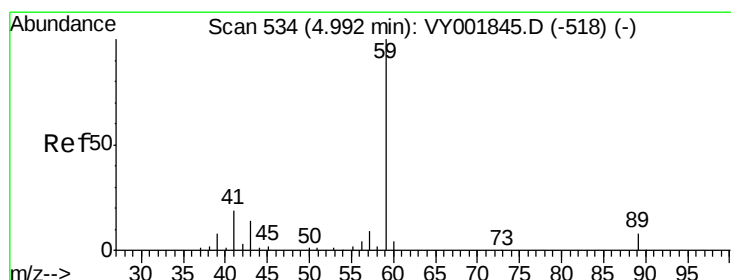
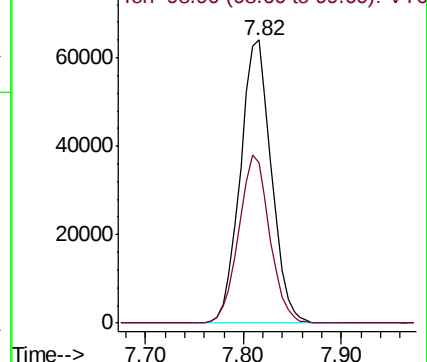
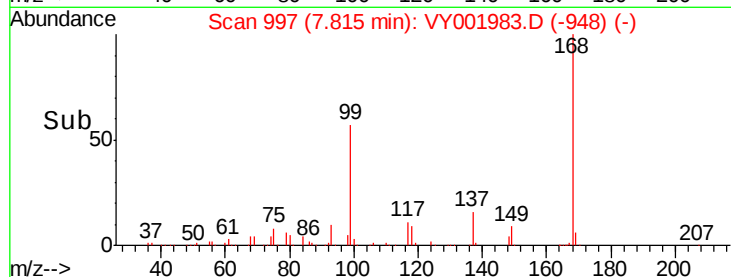
Ion Ratio Lower Upper

168 100

99 56.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001983.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001983.D

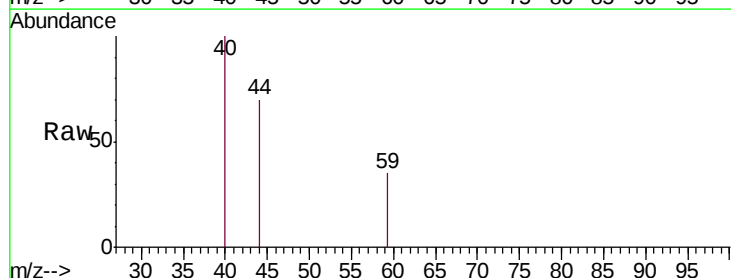
Acq: 16 Mar 2020 15:15

Tgt Ion: 59 Resp: 22

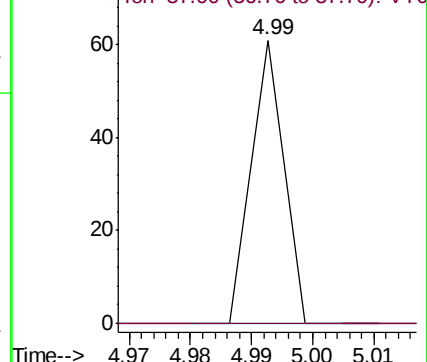
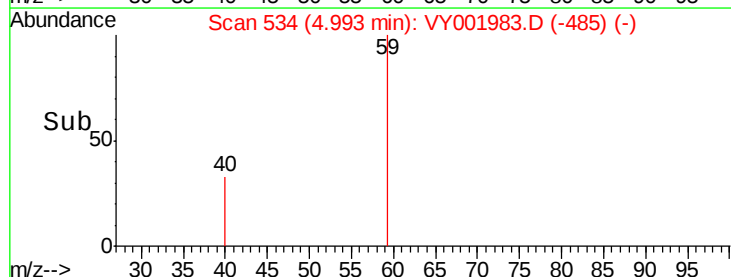
Ion Ratio Lower Upper

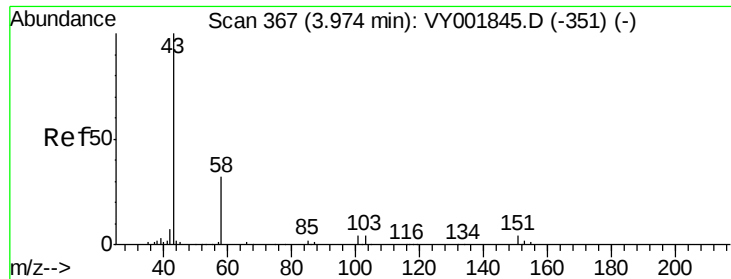
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001983.D (-485) (-)





#16

Acetone

Concen: 3.419 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001983.D

Acq: 16 Mar 2020 15:15

Instrument :

MSVOA\_Y

ClientSampleId :

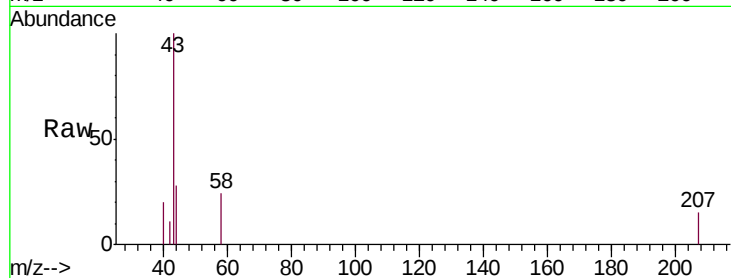
J-B-2(4-5)

Tgt Ion: 43 Resp: 1498

Ion Ratio Lower Upper

43 100

58 23.7 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)

600

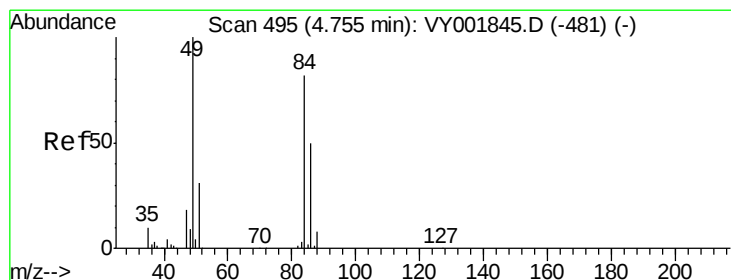
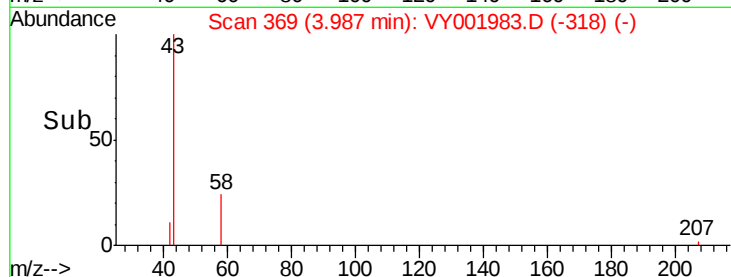
400

200

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 5.960 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY001983.D

Acq: 16 Mar 2020 15:15

Tgt Ion: 84 Resp: 11192

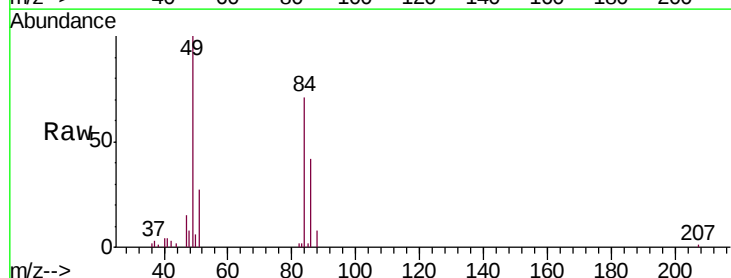
Ion Ratio Lower Upper

84 100

49 140.4 98.2 147.2

51 38.0 30.2 45.2

86 58.9 48.9 73.3



Abundance Ion 83.90 (83.60 to 84.60): VY001845.D (-481) (-)

Ion 48.90 (48.60 to 49.60): VY001845.D (-481) (-)

Ion 50.90 (50.60 to 51.60): VY001845.D (-481) (-)

Ion 85.90 (85.60 to 86.60): VY001845.D (-481) (-)

8000

6000

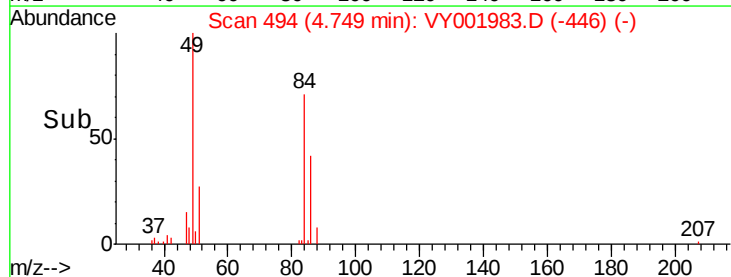
4000

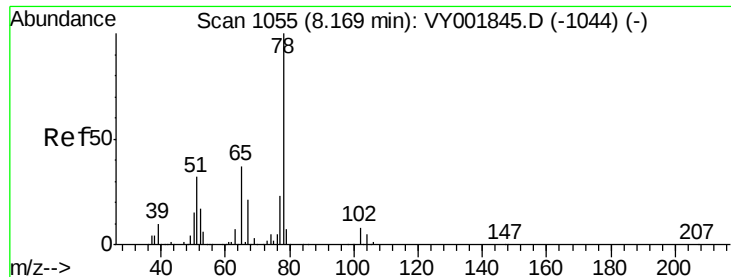
2000

0

4.70 4.75 4.80

Time-->

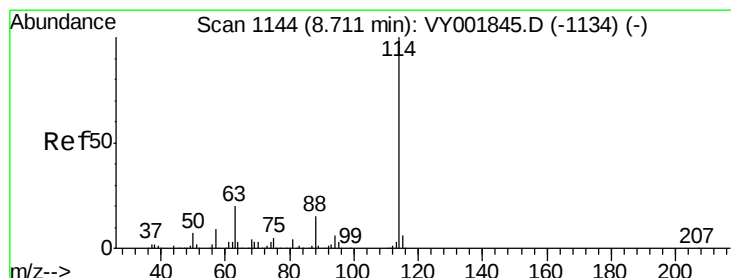
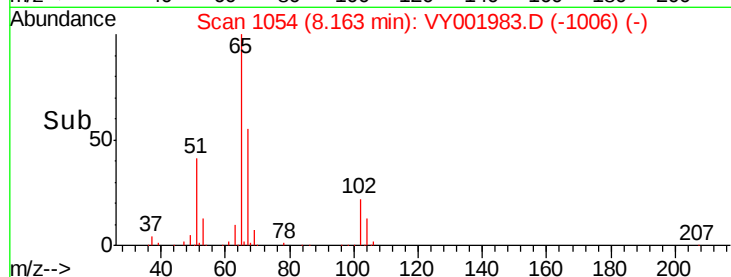
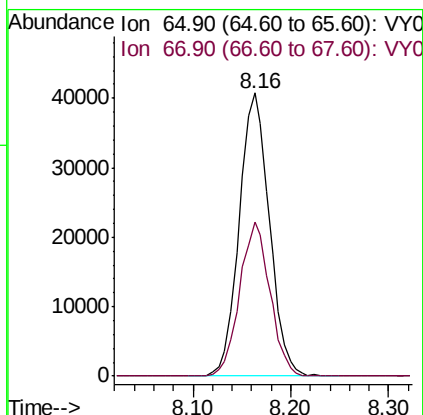
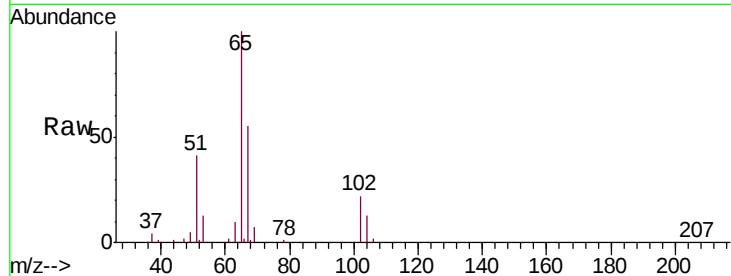




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.938 ug/l  
 RT: 8.16 min Scan# 1054  
 Delta R.T. -0.01 min  
 Lab File: VY001983.D  
 Acq: 16 Mar 2020 15:15

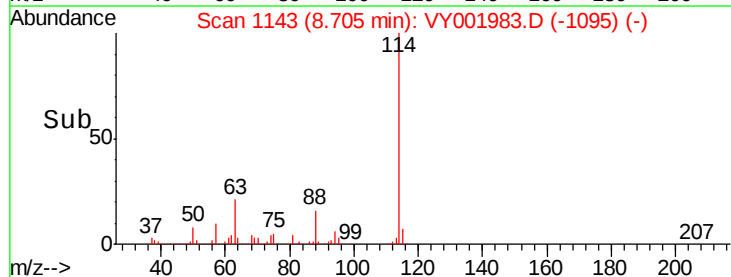
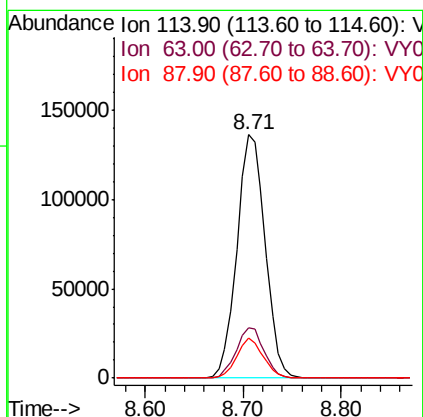
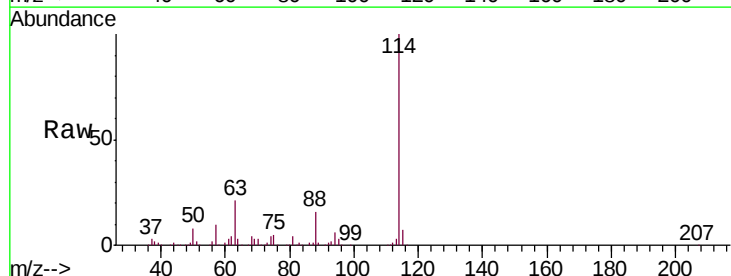
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 J-B-2(4-5)

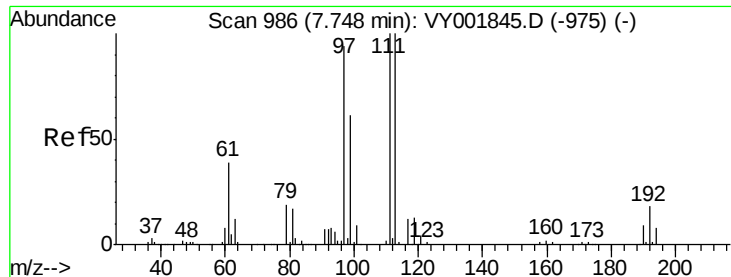
Tgt Ion: 65 Resp: 87158  
 Ion Ratio Lower Upper  
 65 100  
 67 54.5 0.0 110.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: VY001983.D  
 Acq: 16 Mar 2020 15:15

Tgt Ion: 114 Resp: 272146  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 39.4  
 88 16.3 0.0 30.4

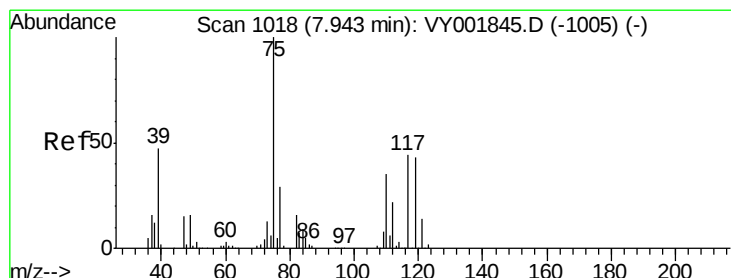
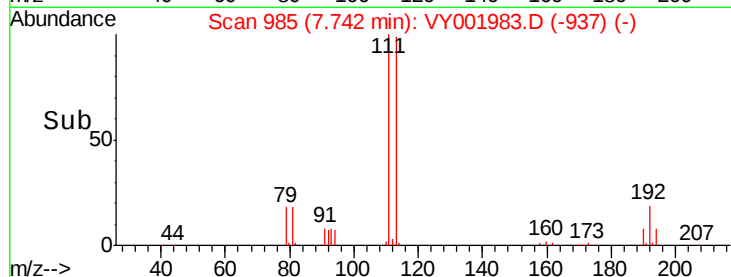
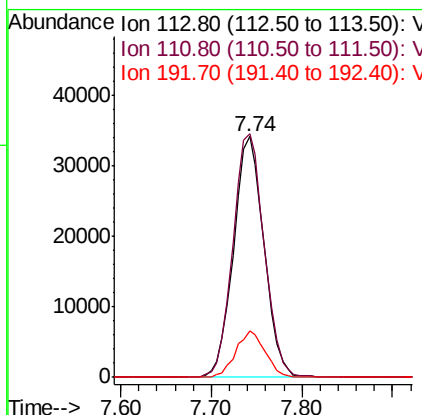
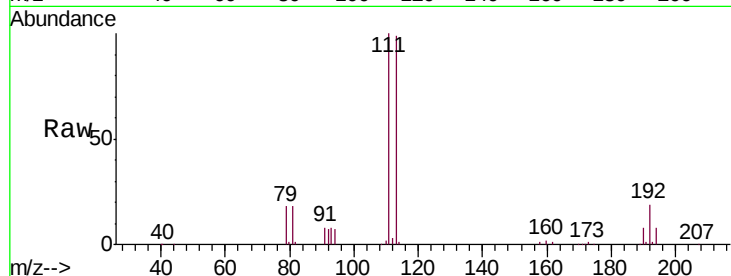




#35  
 Dibromofluoromethane  
 Concen: 53.425 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: VY001983.D  
 Acq: 16 Mar 2020 15:15

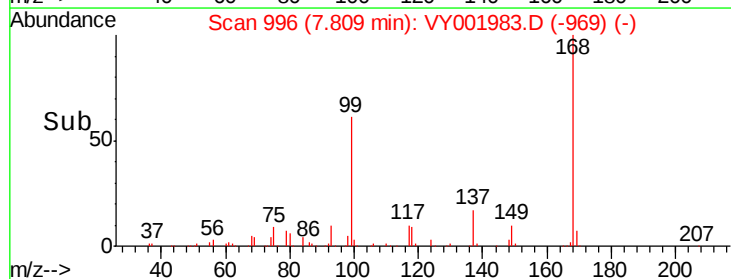
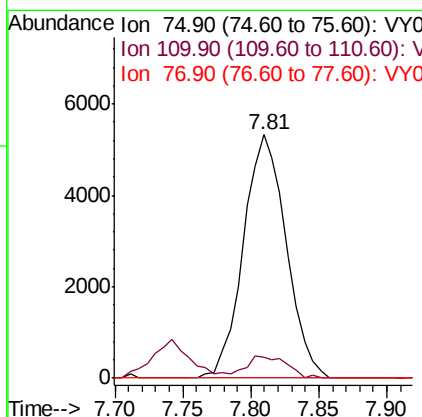
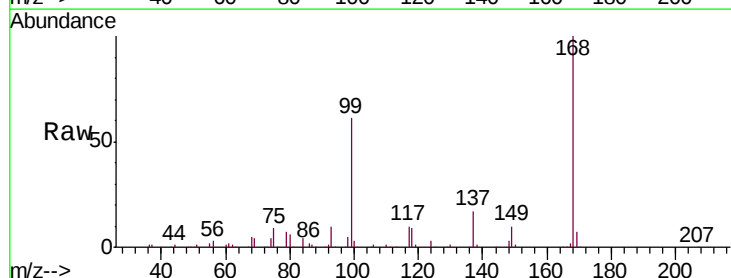
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 J-B-2(4-5)

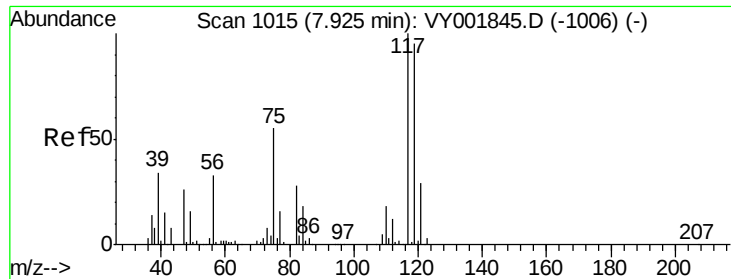
Tgt Ion:113 Resp: 79392  
 Ion Ratio Lower Upper  
 113 100  
 111 103.9 81.8 122.8  
 192 18.6 14.2 21.2



#36  
 1,1-Dichloropropene  
 Concen: 4.479 ug/l  
 RT: 7.81 min Scan# 996  
 Delta R.T. -0.13 min  
 Lab File: VY001983.D  
 Acq: 16 Mar 2020 15:15

Tgt Ion: 75 Resp: 11731  
 Ion Ratio Lower Upper  
 75 100  
 110 8.5 17.4 52.2#  
 77 0.0 24.2 36.2#

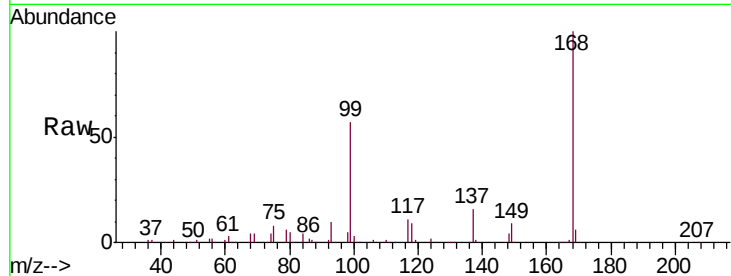




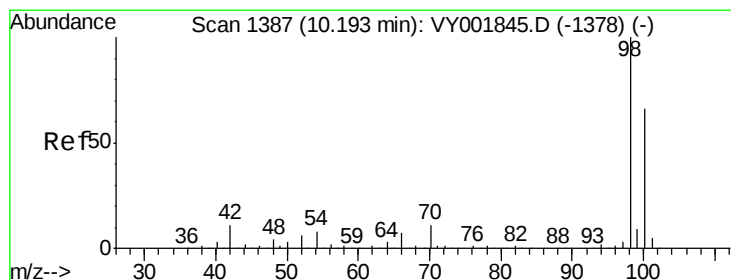
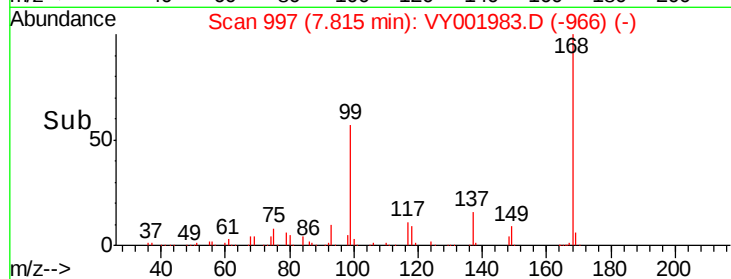
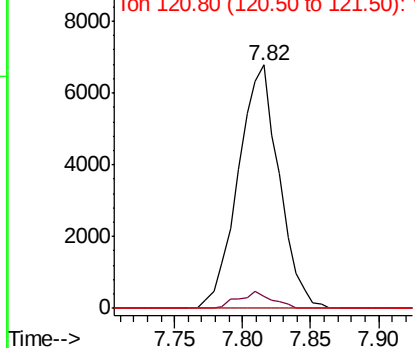
#38  
Carbon Tetrachloride  
Concen: 6.352 ug/l  
RT: 7.82 min Scan# 997  
Delta R.T. -0.11 min  
Lab File: VY001983.D  
Acq: 16 Mar 2020 15:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
J-B-2(4-5)

Tgt Ion:117 Resp: 14210  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.3 114.5#  
121 0.0 23.5 35.3#

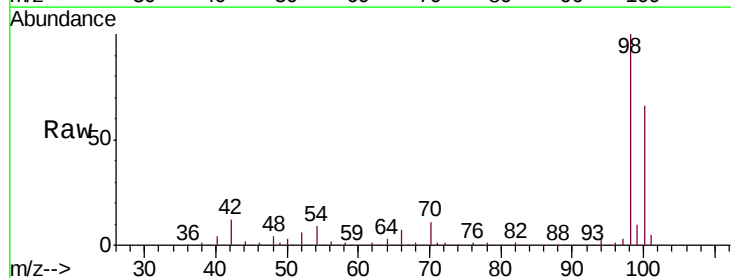


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

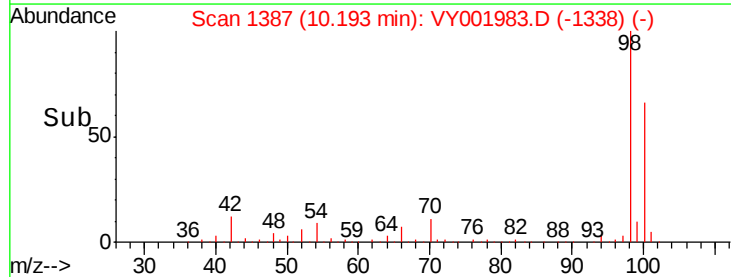
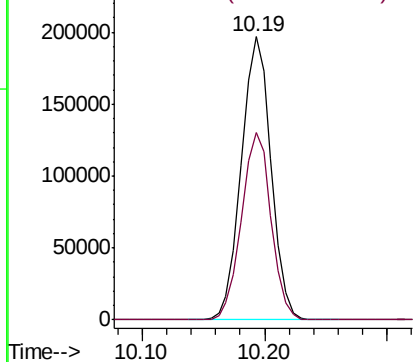


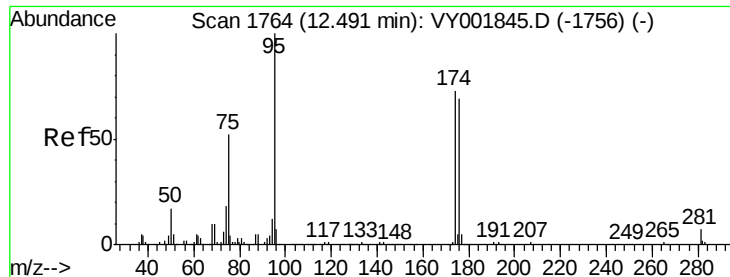
#50  
Toluene-d8  
Concen: 52.762 ug/l  
RT: 10.19 min Scan# 1387  
Delta R.T. 0.00 min  
Lab File: VY001983.D  
Acq: 16 Mar 2020 15:15

Tgt Ion: 98 Resp: 330628  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0  
Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 52.235 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001983.D

Acq: 16 Mar 2020 15:15

Instrument :

MSVOA\_Y

ClientSampleId :

J-B-2(4-5)

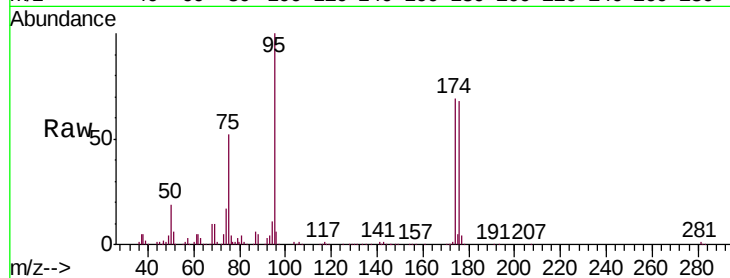
Tgt Ion: 95 Resp: 113814

Ion Ratio Lower Upper

95 100

174 71.0 0.0 145.0

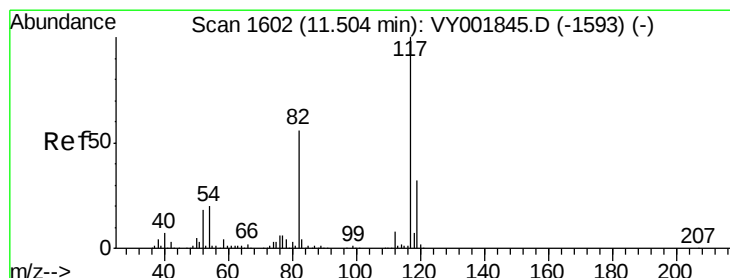
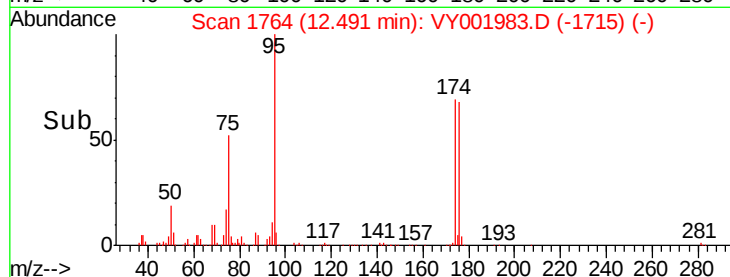
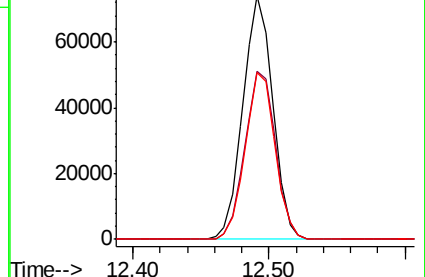
176 68.8 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001983.D

Acq: 16 Mar 2020 15:15

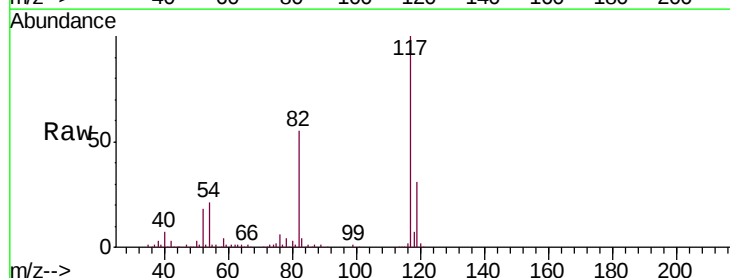
Tgt Ion: 117 Resp: 251372

Ion Ratio Lower Upper

117 100

82 55.4 44.5 66.7

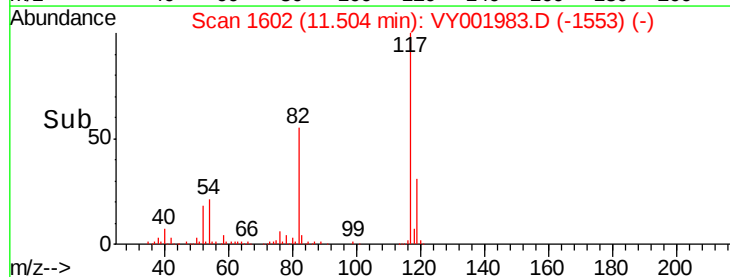
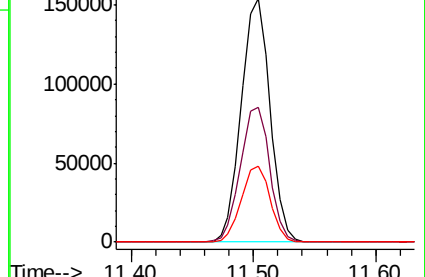
119 31.2 25.7 38.5

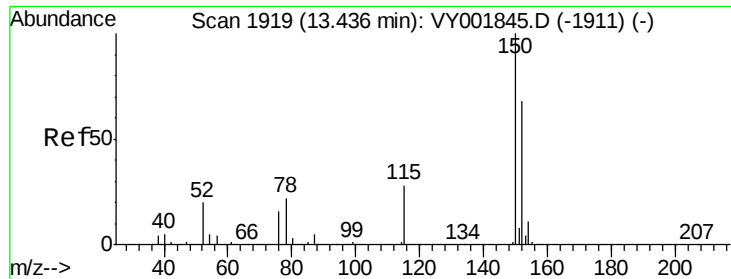


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001983.D

Acq: 16 Mar 2020 15:15

Instrument :

MSVOA\_Y

ClientSampleId :

J-B-2(4-5)

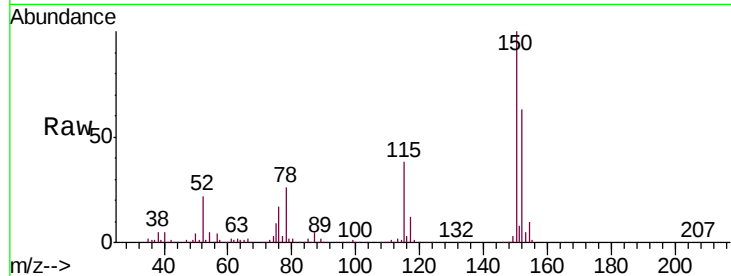
Tgt Ion:152 Resp: 111111

Ion Ratio Lower Upper

152 100

115 61.7 29.9 89.7

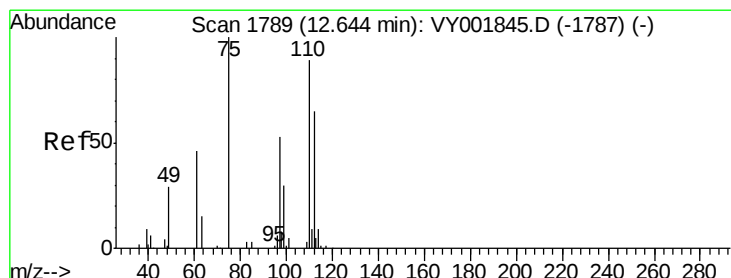
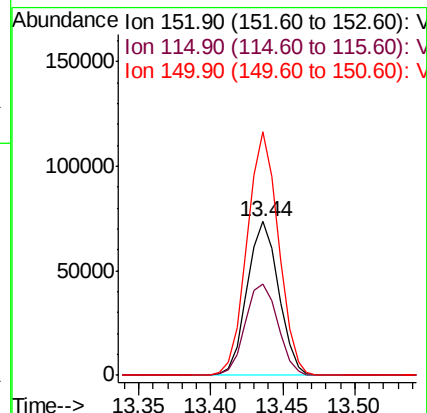
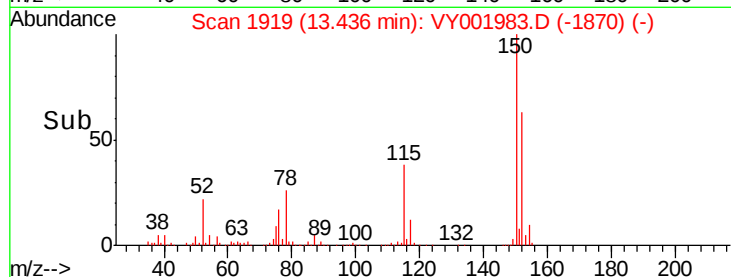
150 157.3 0.0 340.6



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: 44.356 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001983.D

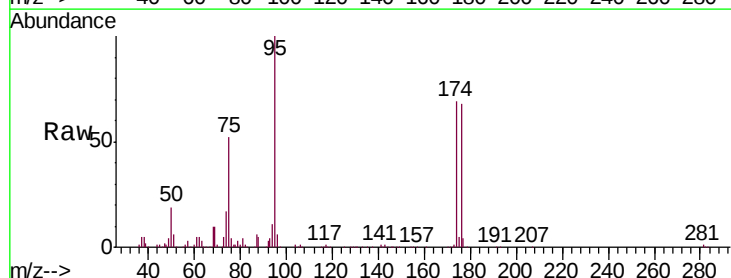
Acq: 16 Mar 2020 15:15

Tgt Ion: 75 Resp: 58479

Ion Ratio Lower Upper

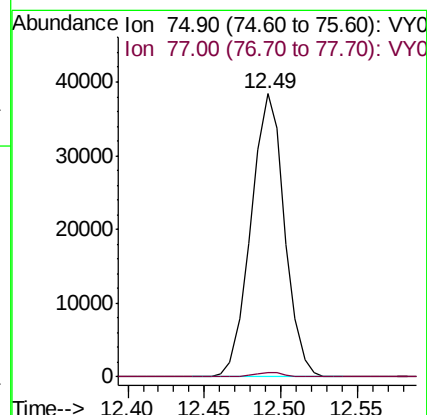
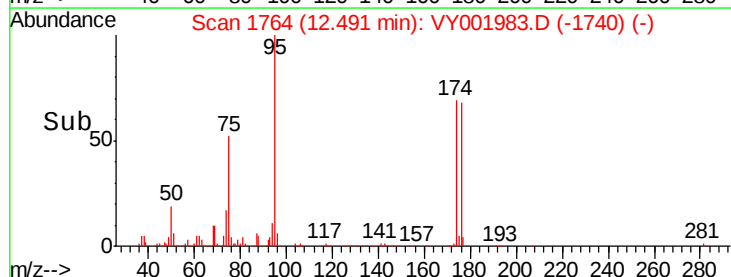
75 100

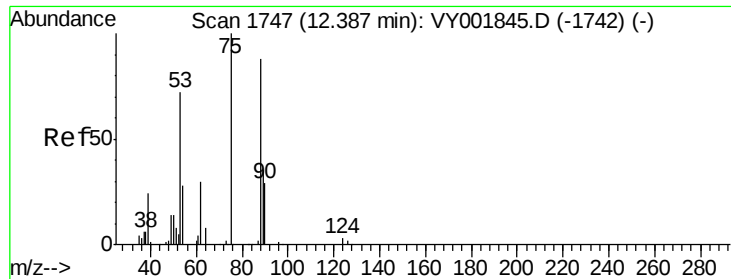
77 1.3 0.0 0.0#



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: 89.597 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001983.D

Acq: 16 Mar 2020 15:15

Instrument :

MSVOA\_Y

ClientSampleId :

J-B-2(4-5)

Tgt Ion: 75 Resp: 58479

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

