

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003038.D
 Acq On : 30 Jun 2020 16:27
 Operator : SY/MD
 Sample : L3153-31
 Misc : 6.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 01 05:15:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

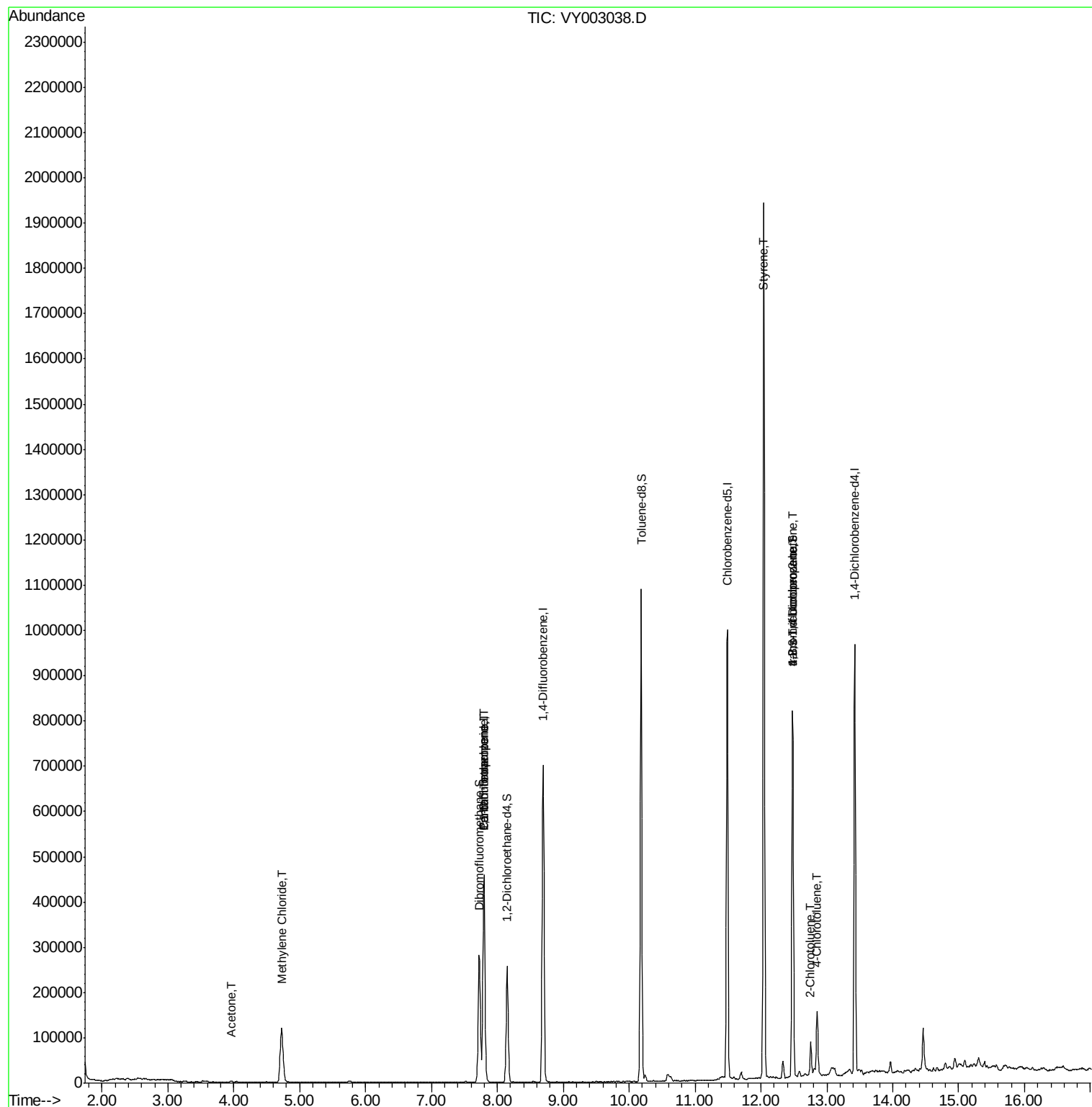
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	377054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	596464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	543257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	246798	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	202328	54.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.06%	
35) Dibromofluoromethane	7.72	113	196638	52.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.70%	
50) Toluene-d8	10.18	98	702891	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.48	95	237505	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	3826	4.332	ug/l #	73
20) Methylene Chloride	4.73	84	92745	19.244	ug/l	90
36) 1,1-Dichloropropene	7.79	75	24434	4.253	ug/l #	50
38) Carbon Tetrachloride	7.80	117	33548	5.612	ug/l #	16
70) Styrene	12.05	104	935677	79.689	ug/l	89
76) 1,2,3-Trichloropropane	12.48	75	121248	49.640	ug/l #	100
79) 2-Chlorotoluene	12.75	91	40573	3.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	121248	96.579	ug/l #	12
82) 4-Chlorotoluene	12.85	91	76268	6.756	ug/l	98

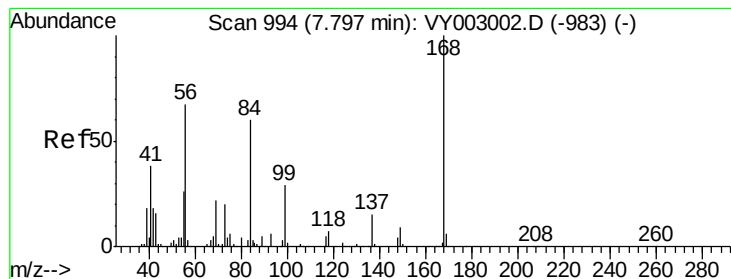
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
Data File : VY003038.D
Acq On : 30 Jun 2020 16:27
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Misc : 6.15G/5ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Jul 01 05:15:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

Instrument :

MSVOA_Y

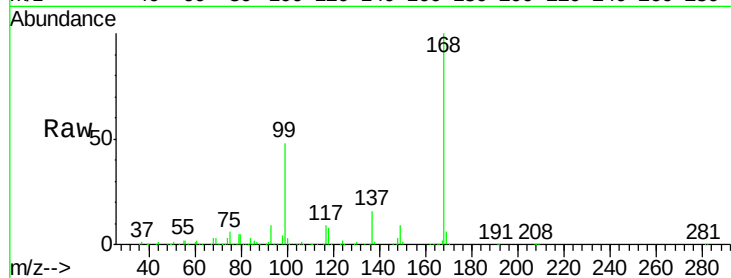
ClientSampled :

Tot Ion:168 Resp: 377054

Ion Ratio Lower Upper

168 100

99 48.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003038.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003038.D (-945) (-)

7.80

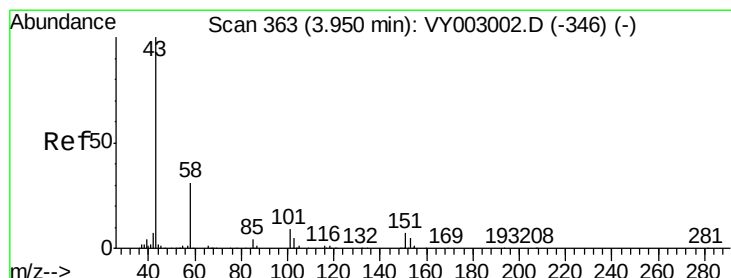
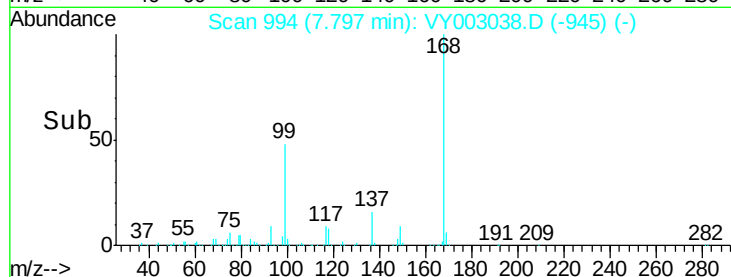
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.332 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003038.D

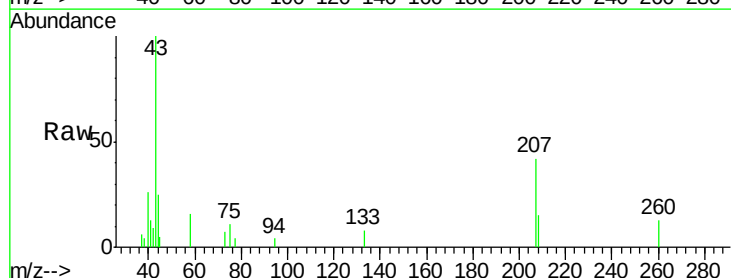
Acq: 30 Jun 2020 16:27

Tgt Ion: 43 Resp: 3826

Ion Ratio Lower Upper

43 100

58 16.1 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VY003038.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003038.D (-314) (-)

3.96

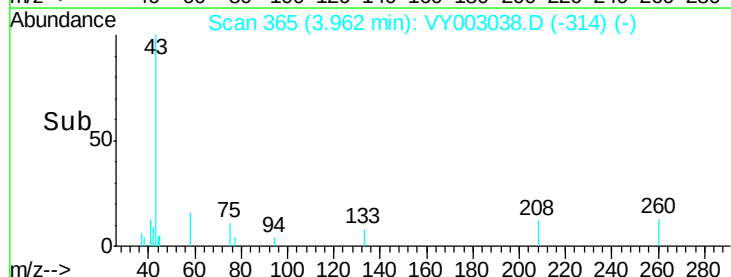
1500

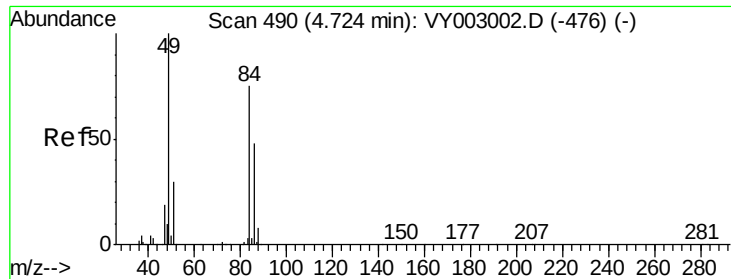
1000

500

0

Time-->

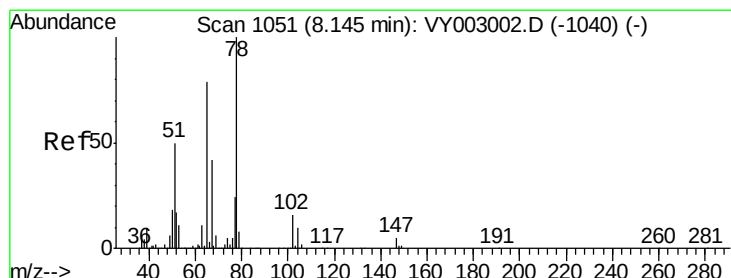
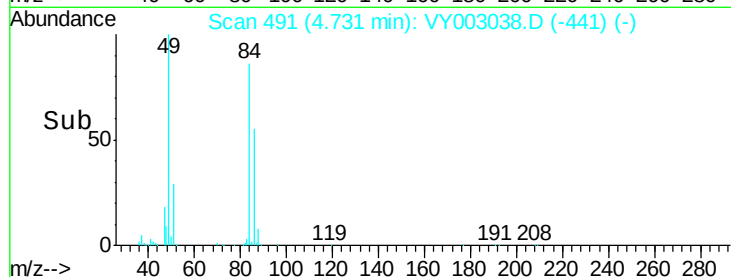
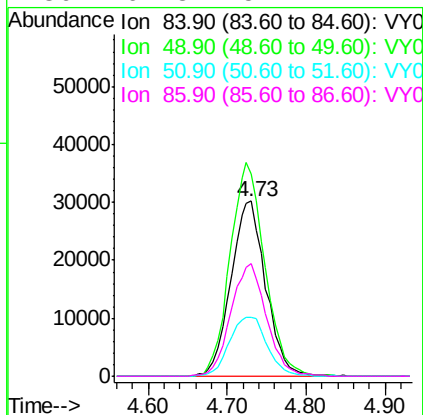
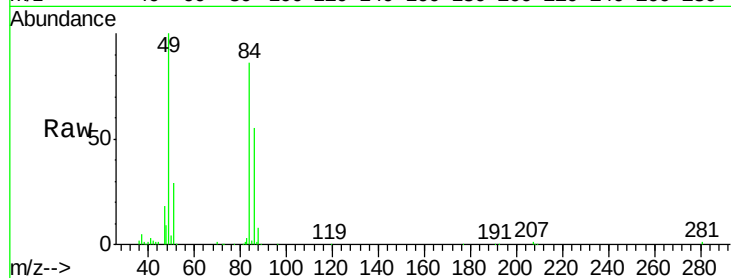




#20
Methylene Chloride
Concen: 19.244 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003038.D
Acq: 30 Jun 2020 16:27

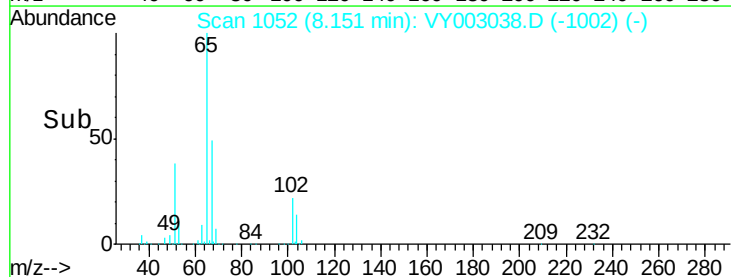
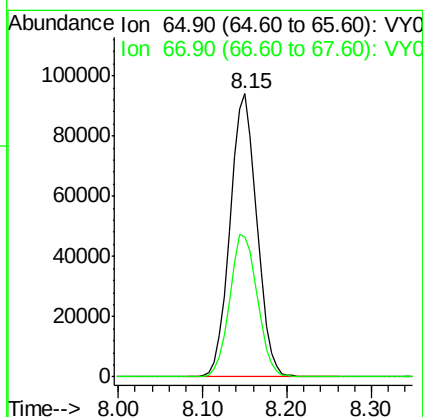
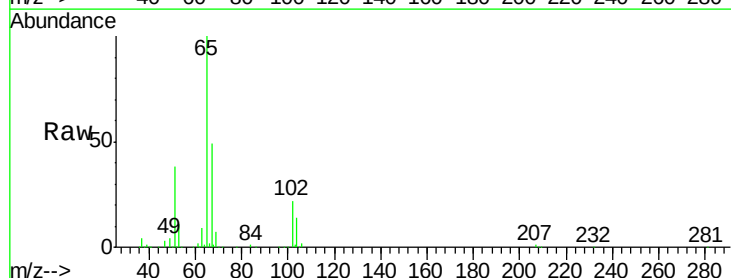
Instrument :
MSVOA_Y
ClientSampled :

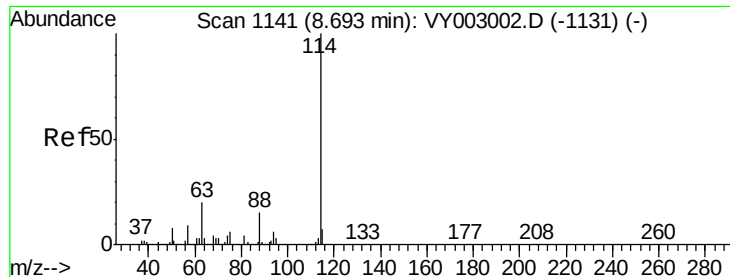
Tot Ion: 84 Resp: 92745
Ion Ratio Lower Upper
84 100
49 115.9 106.8 160.2
51 33.4 32.0 48.0
86 64.3 51.4 77.2



#33
1,2-Dichloroethane-d4
Concen: 54.028 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003038.D
Acq: 30 Jun 2020 16:27

Tgt Ion: 65 Resp: 202328
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

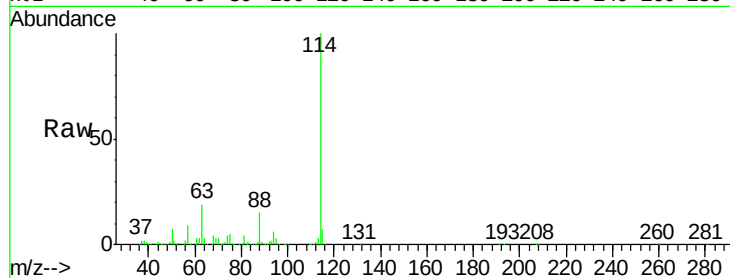
Tot Ion:114 Resp: 596464

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.6

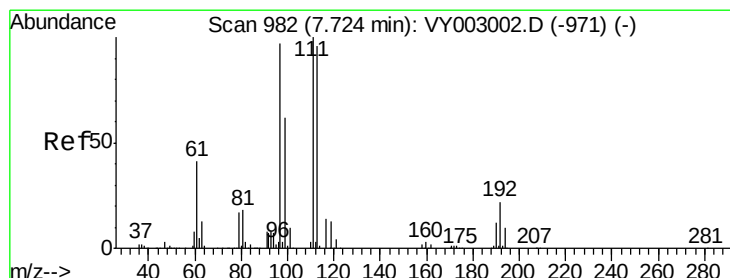
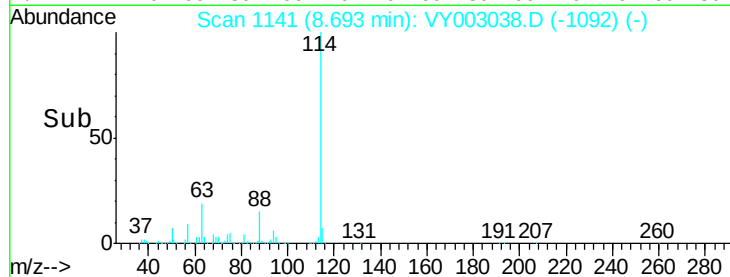
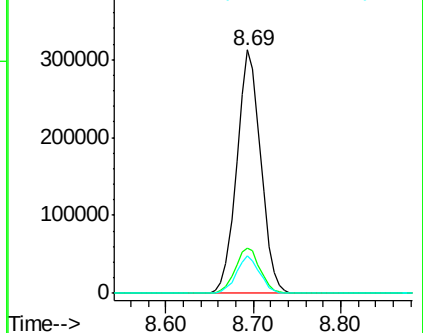
88 15.4 0.0 30.0



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: 52.848 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

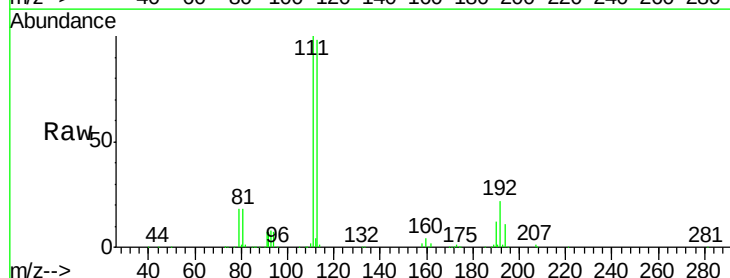
Tgt Ion:113 Resp: 196638

Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

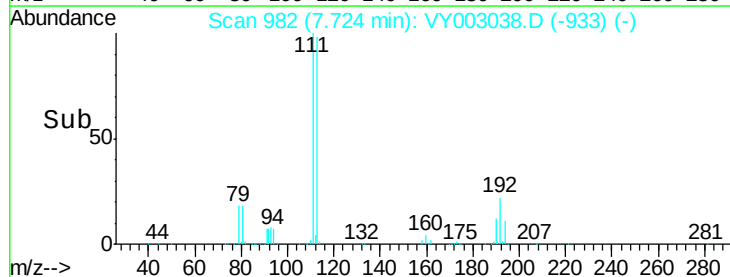
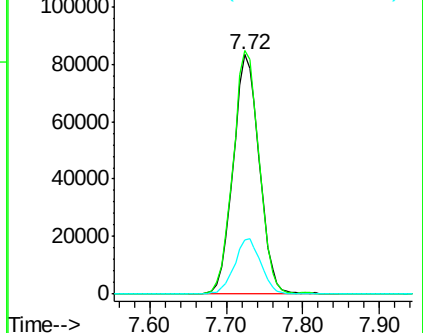
192 23.4 18.1 27.1

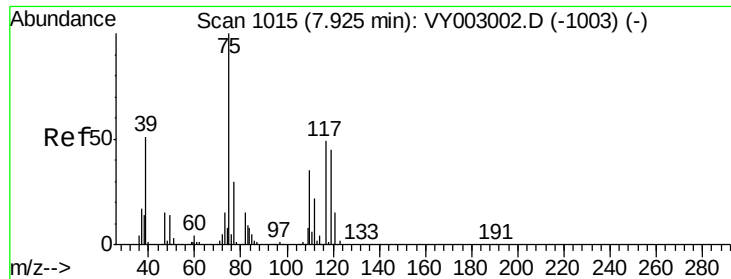


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.253 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

Instrument :

MSVOA_Y

ClientSampled :

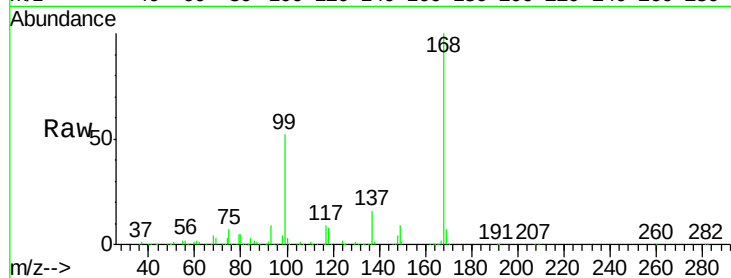
Tot Ion: 75 Resp: 24434

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

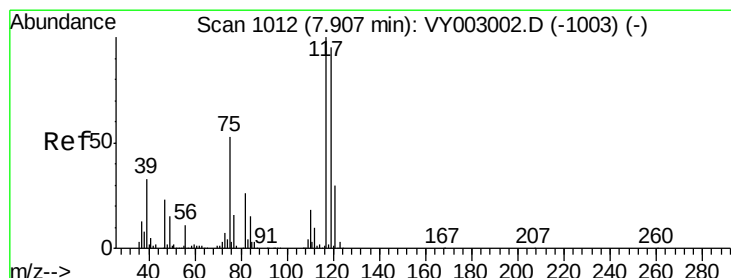
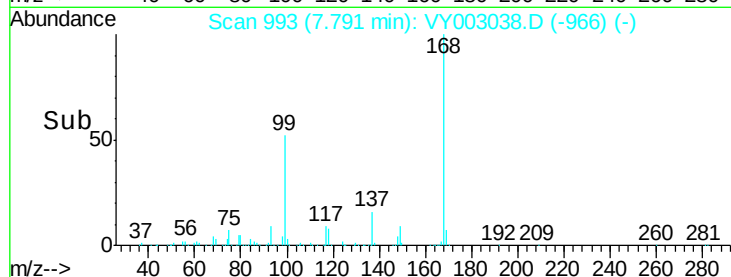
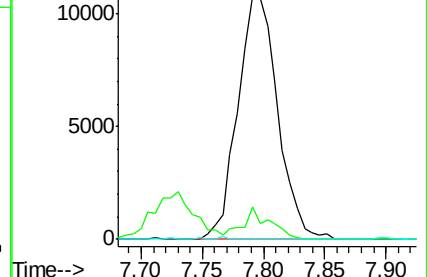
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VY003038.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003038.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003038.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 5.612 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

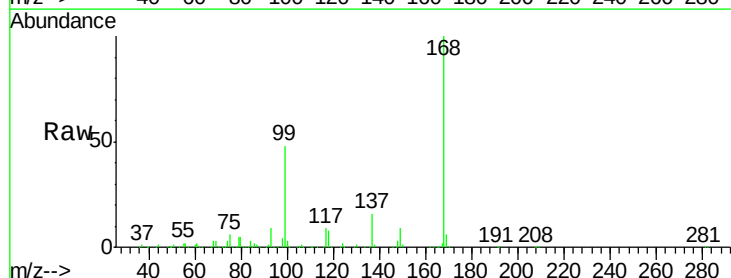
Tgt Ion: 117 Resp: 33548

Ion Ratio Lower Upper

117 100

119 4.5 75.7 113.5#

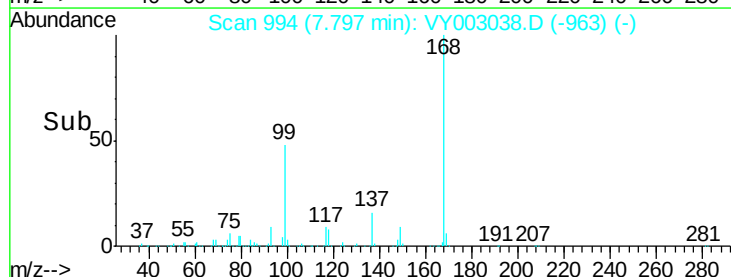
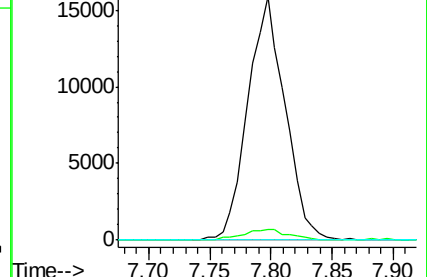
121 0.0 23.9 35.9#

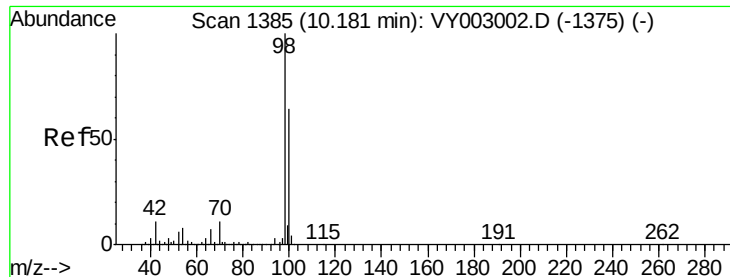


Abundance Ion 116.80 (116.50 to 117.50): VY003038.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003038.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003038.D (-963) (-)





#50

Toluene-d8

Concen: 50.707 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

Instrument :

MSVOA_Y

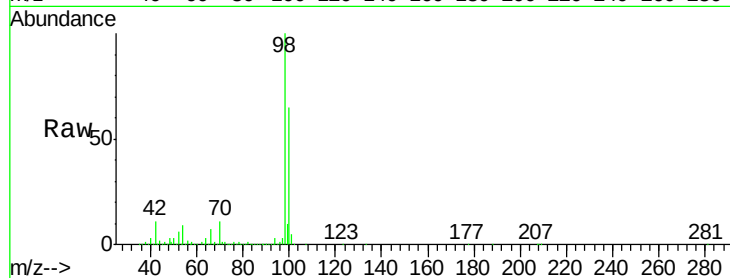
ClientSampleId :

Tot Ion: 98 Resp: 702891

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

400000

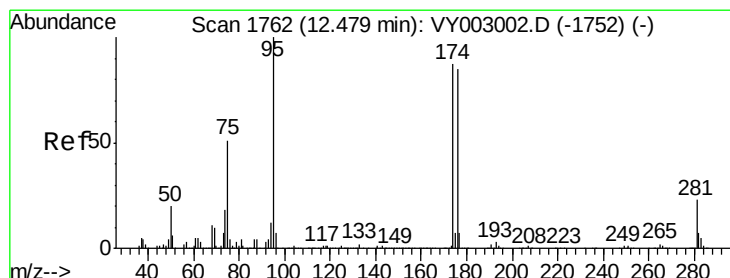
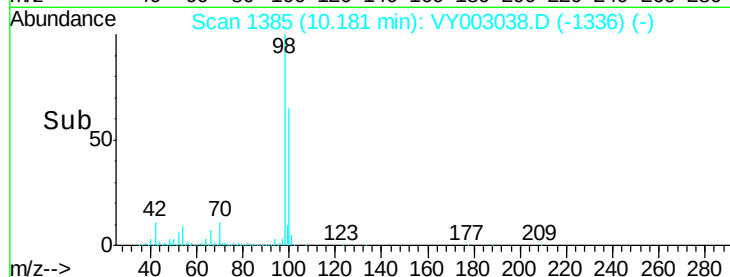
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.675 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

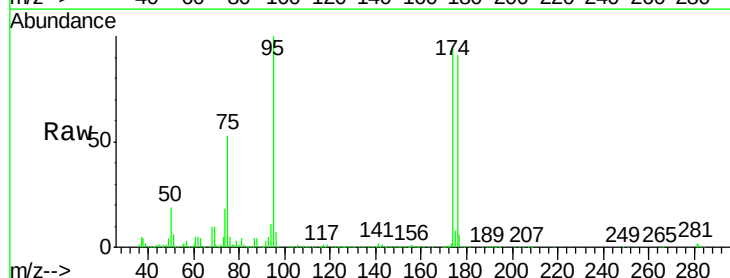
Tgt Ion: 95 Resp: 237505

Ion Ratio Lower Upper

95 100

174 95.1 0.0 184.8

176 92.1 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

200000

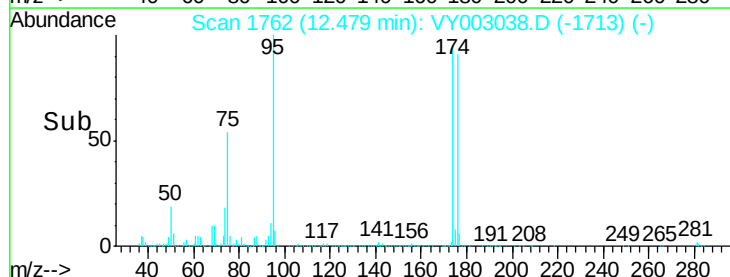
150000

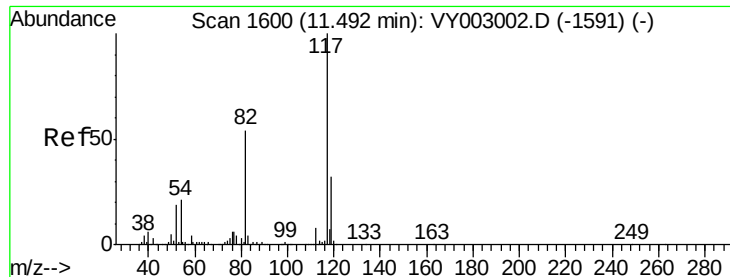
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

Instrument :

MSVOA_Y

ClientSampled :

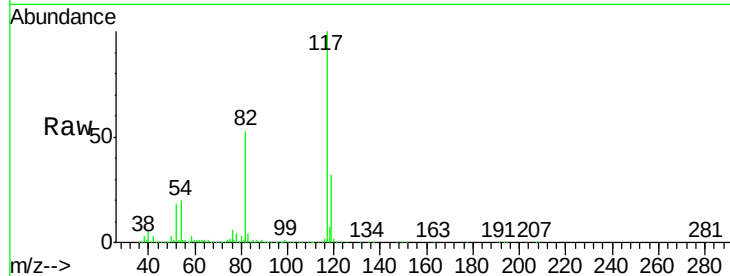
Tot Ion:117 Resp: 543257

Ion Ratio Lower Upper

117 100

82 52.7 43.0 64.6

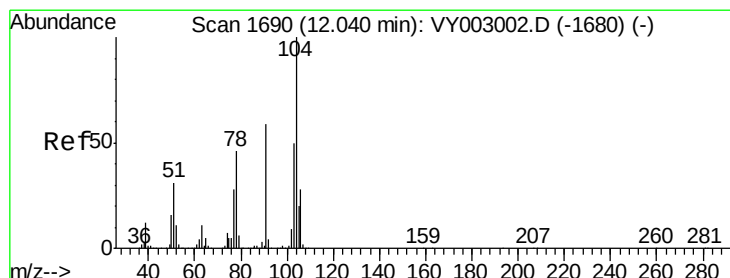
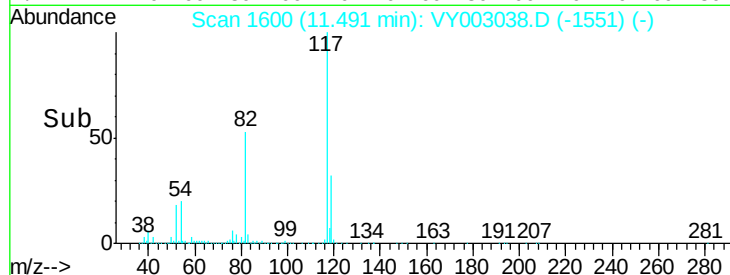
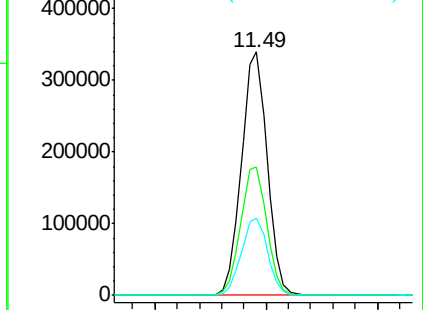
119 31.9 25.8 38.8



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



#70

Styrene

Concen: 79.689 ug/l

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

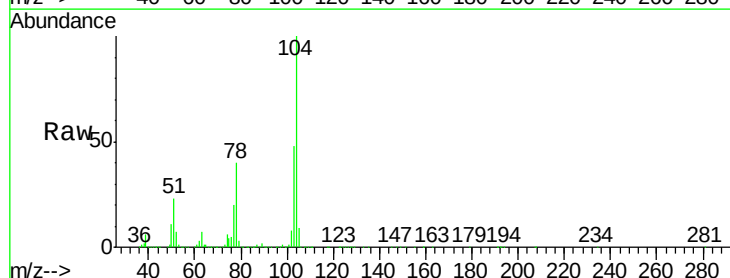
Tgt Ion:104 Resp: 935677

Ion Ratio Lower Upper

104 100

78 41.3 40.4 60.6

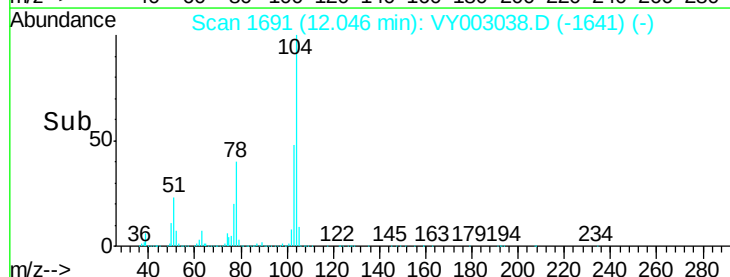
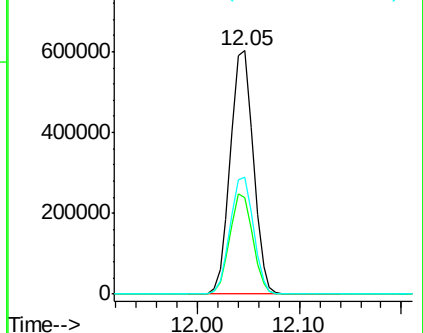
103 48.9 44.1 66.1

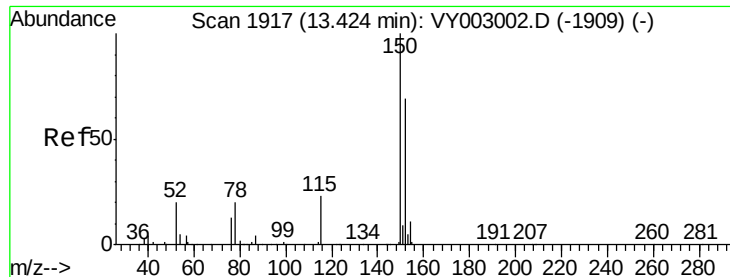


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V



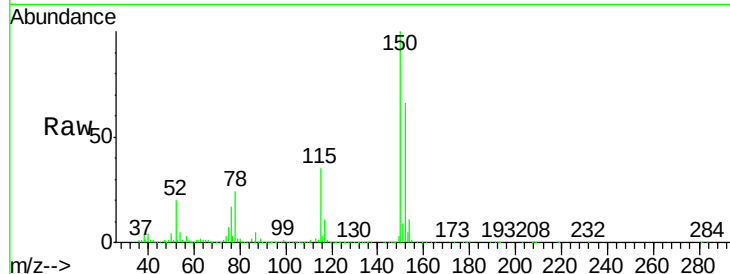


#72

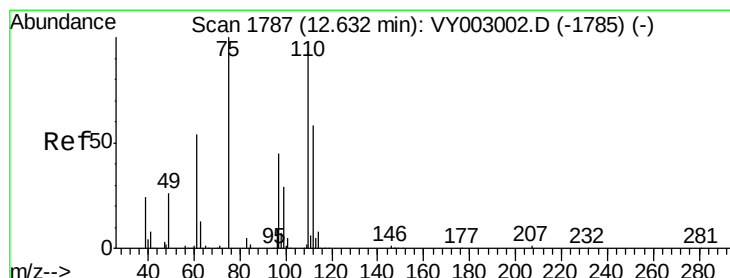
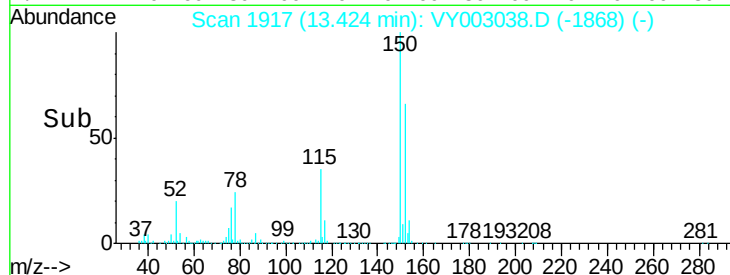
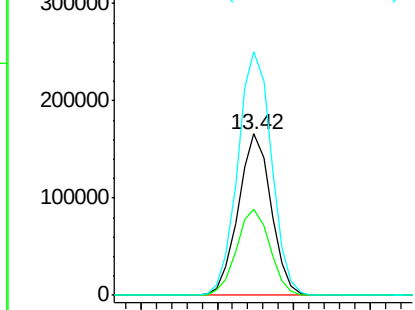
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003038.D
Acq: 30 Jun 2020 16:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.3	81.9
150	155.0	0.0	343.4



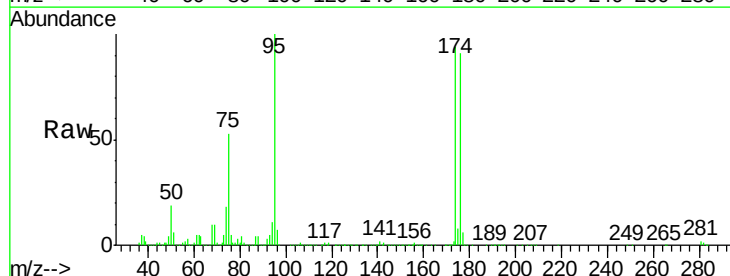
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



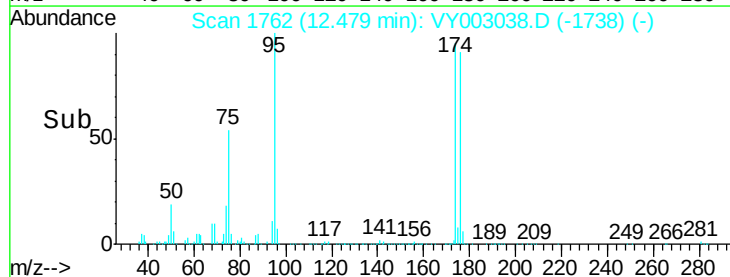
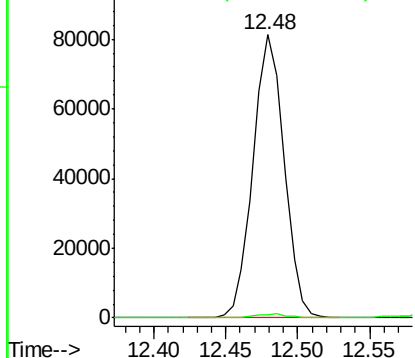
#76

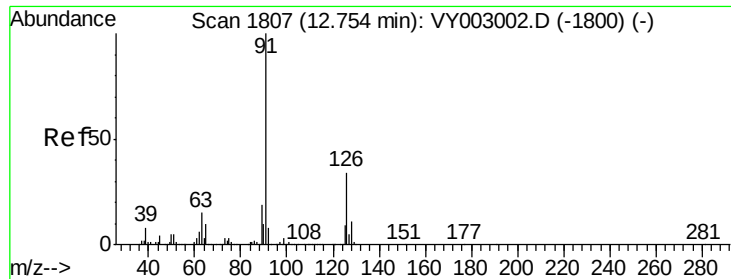
1,2,3-Trichloropropane
Concen: 49.640 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003038.D
Acq: 30 Jun 2020 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#79

2-Chlorotoluene

Concen: 3.742 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

Instrument :

MSVOA_Y

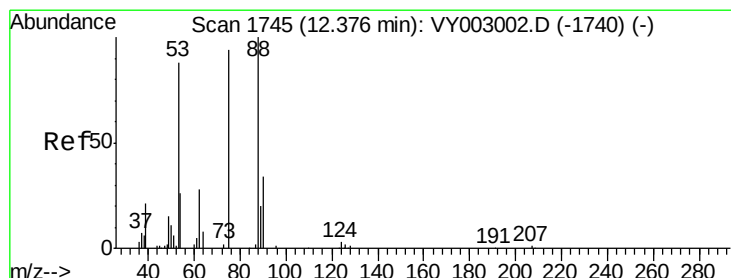
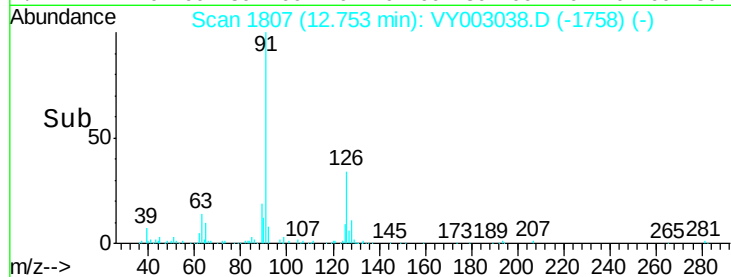
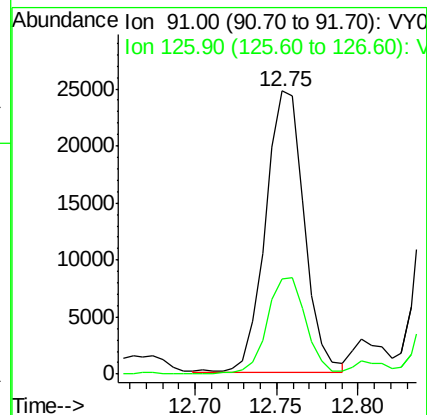
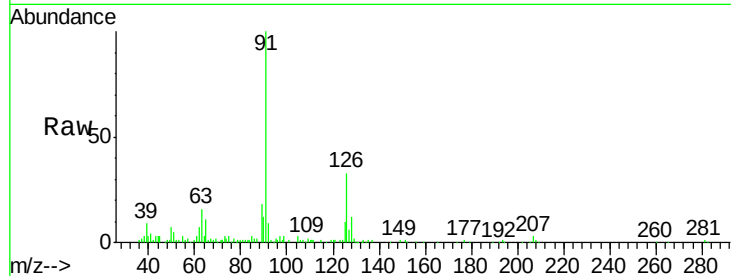
ClientSampled :

Tot Ion: 91 Resp: 40573

Ion Ratio Lower Upper

91 100

126 34.6 17.1 51.3



#81

trans-1,4-Dichloro-2-butene

Concen: 96.579 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003038.D

Acq: 30 Jun 2020 16:27

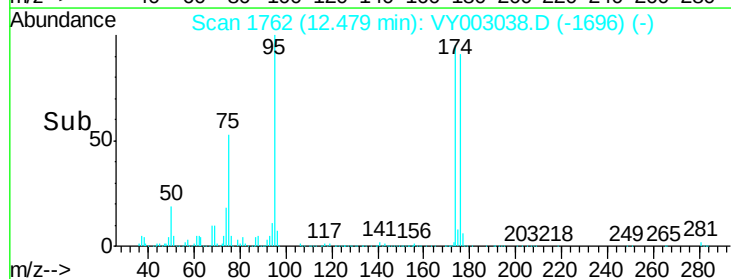
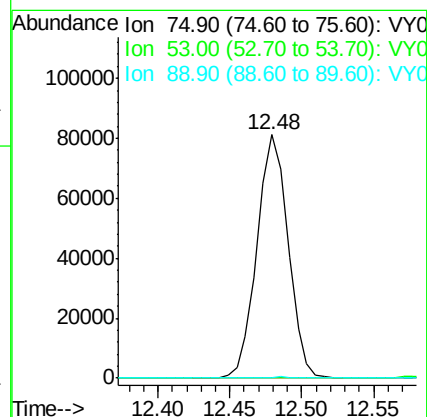
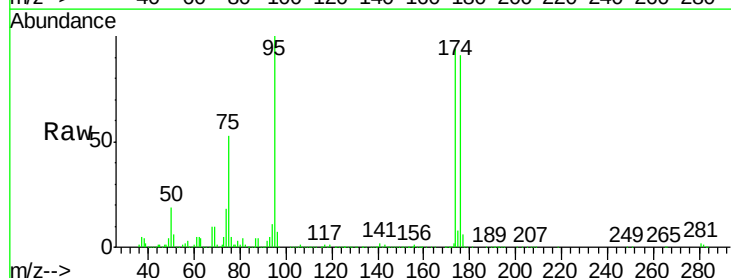
Tgt Ion: 75 Resp: 121248

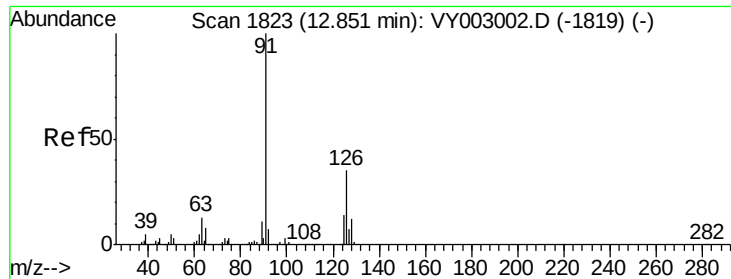
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.3 37.5 56.3#





#82
 4-Chlorotoluene
 Concen: 6.756 ug/l
 RT: 12.85 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VY003038.D
 Acq: 30 Jun 2020 16:27

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 91 Resp: 76268
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.4 52.3

