

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001531.D
 Acq On : 06 Feb 2020 15:26
 Operator : SY/MD
 Sample : L1360-04RE
 Misc : 13.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 04:07:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

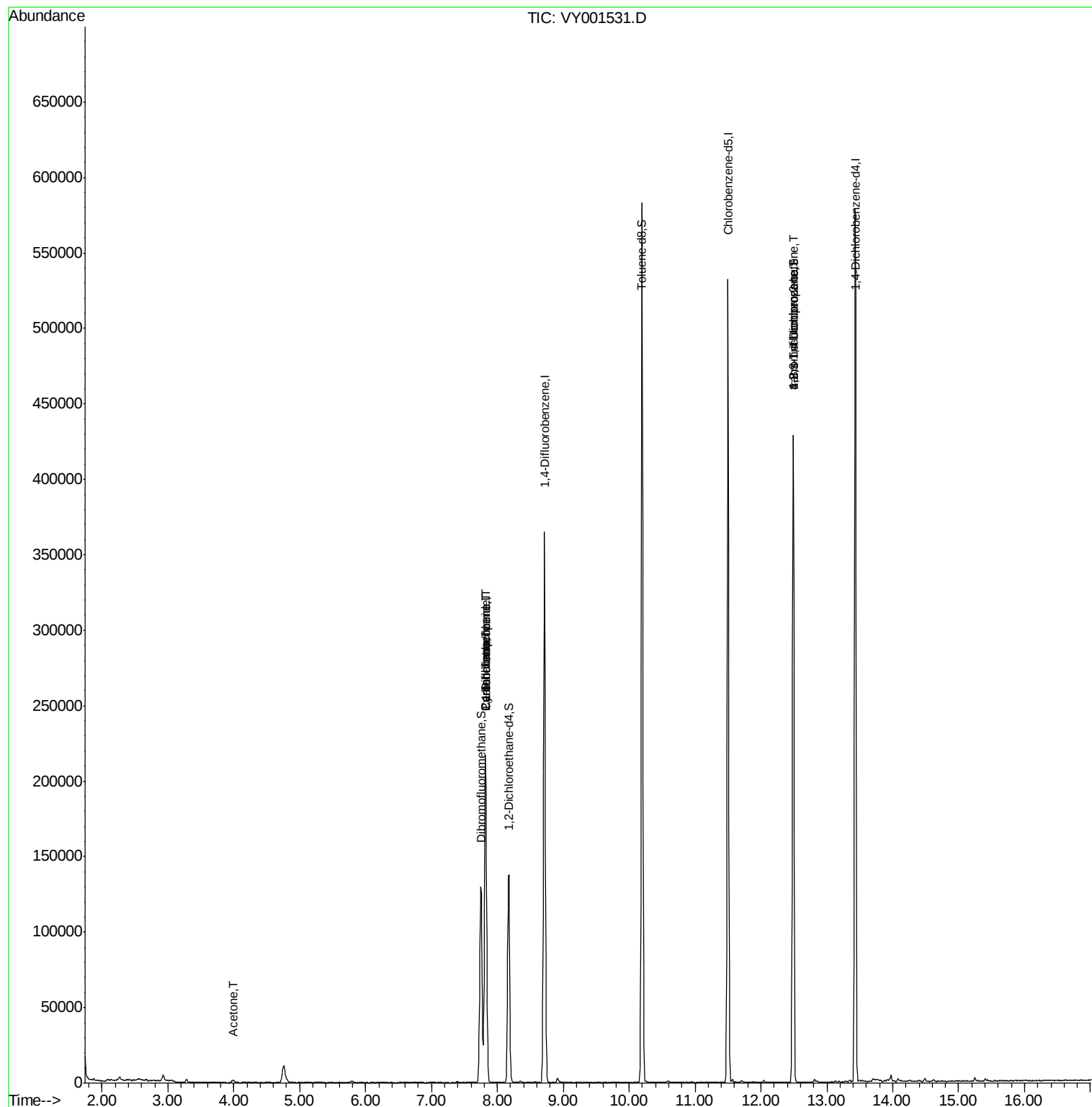
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	169584	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	313478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	292467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	138157	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	104193	61.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.04%	
35) Dibromofluoromethane	7.75	113	92525	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
50) Toluene-d8	10.19	98	372060	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.80%	
62) 4-Bromofluorobenzene	12.49	95	144243	53.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.08%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.00	59	164	Below Cal	#	76
16) Acetone	3.99	43	2950	5.973	ug/l	88
20) Methylene Chloride	4.76	84	8442	Below Cal	#	91
31) Cyclohexane	7.82	56	3645	1.096	ug/l #	2
36) 1,1-Dichloropropene	7.82	75	13691	4.774	ug/l #	49
38) Carbon Tetrachloride	7.82	117	16000	5.767	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	70333	47.339	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	70333	91.598	ug/l #	16

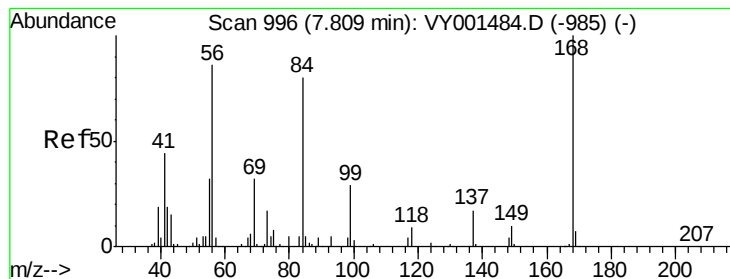
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001531.D

Acq: 06 Feb 2020 15:26

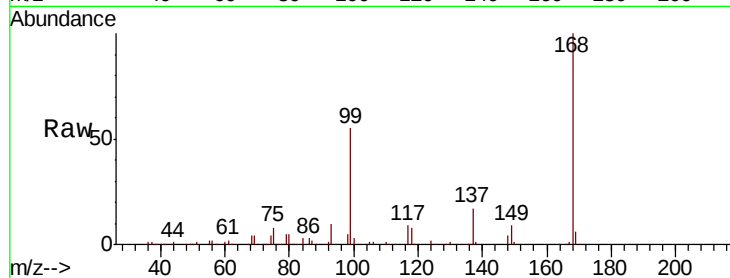
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 169584

Ion Ratio Lower Upper

168 100

99 55.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.82

80000

60000

40000

20000

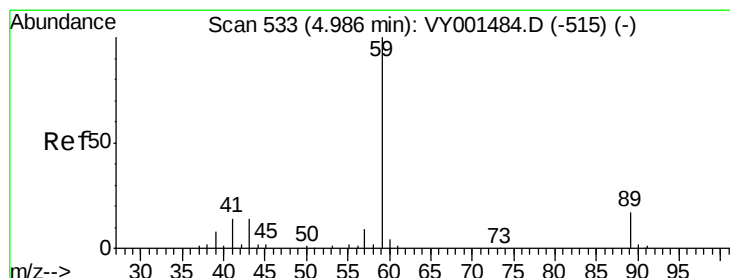
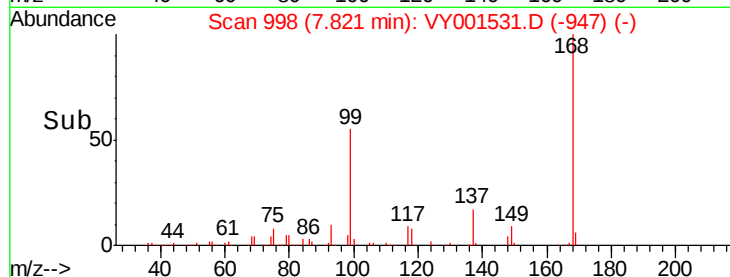
0

Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001531.D

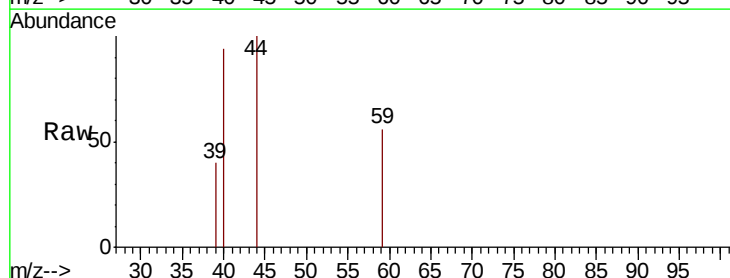
Acq: 06 Feb 2020 15:26

Tgt Ion: 59 Resp: 164

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)

5.00

120

100

80

60

40

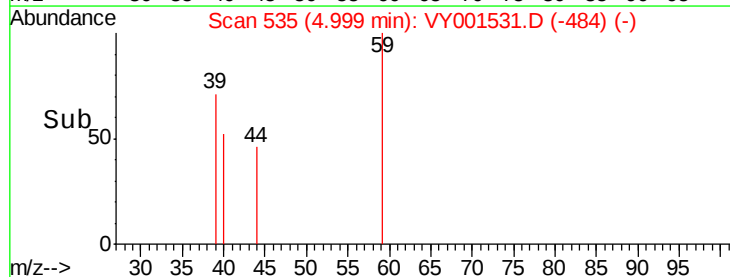
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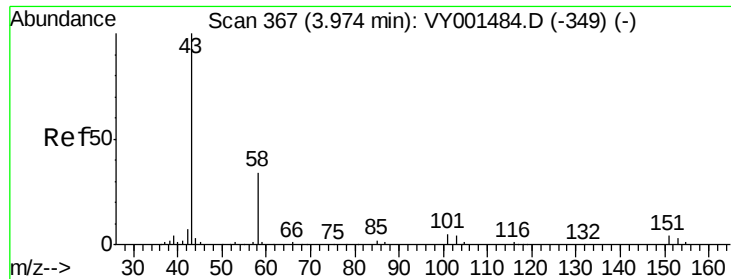
0

Time-->

4.95

5.00





#16

Acetone

Concen: 5.973 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001531.D

Acq: 06 Feb 2020 15:26

Instrument :

MSVOA_Y

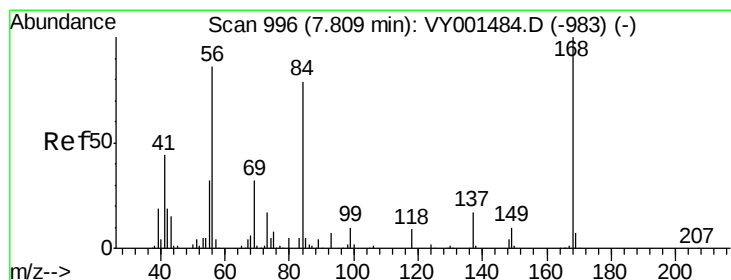
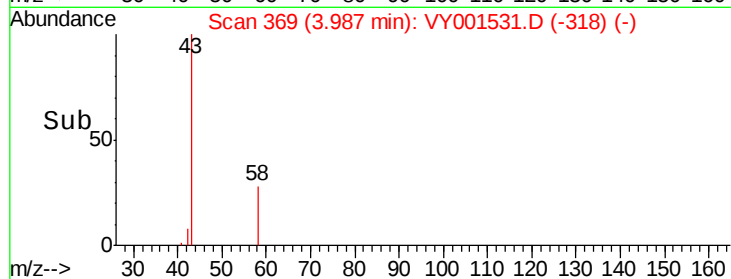
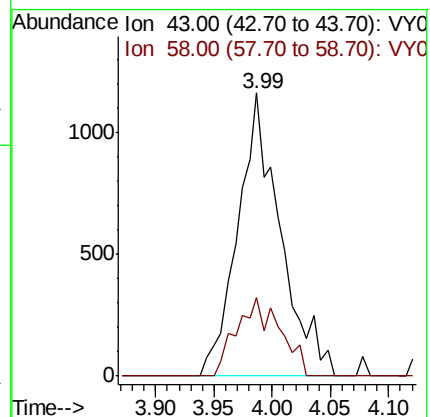
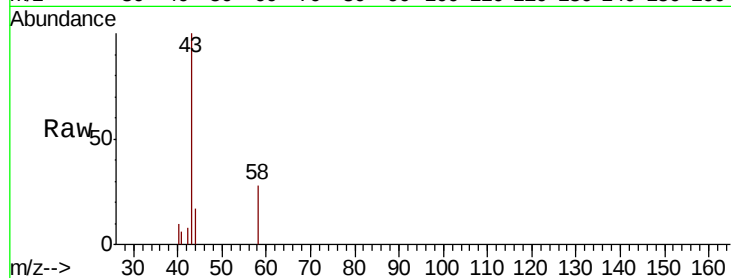
ClientSampleId :

Tot Ion: 43 Resp: 2950

Ion Ratio Lower Upper

43 100

58 27.5 27.5 41.3



#31

Cyclohexane

Concen: 1.096 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001531.D

Acq: 06 Feb 2020 15:26

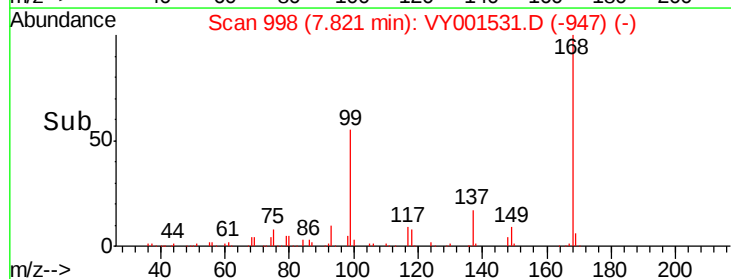
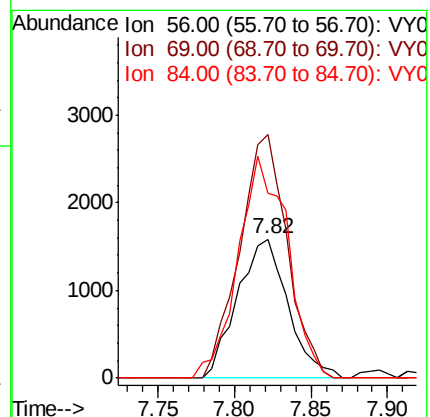
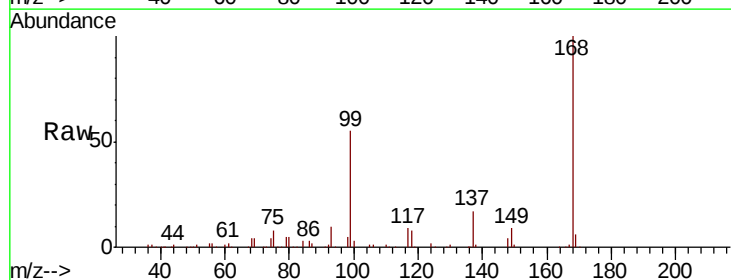
Tgt Ion: 56 Resp: 3645

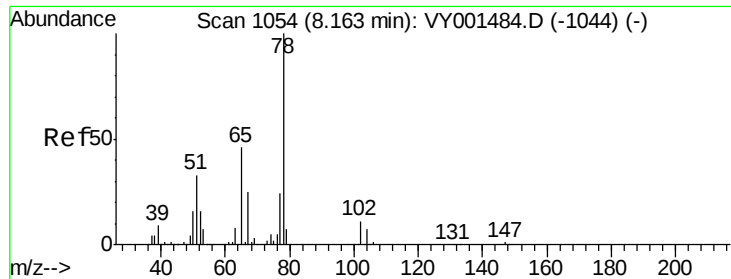
Ion Ratio Lower Upper

56 100

69 175.5 29.6 44.4#

84 133.4 73.6 110.4#

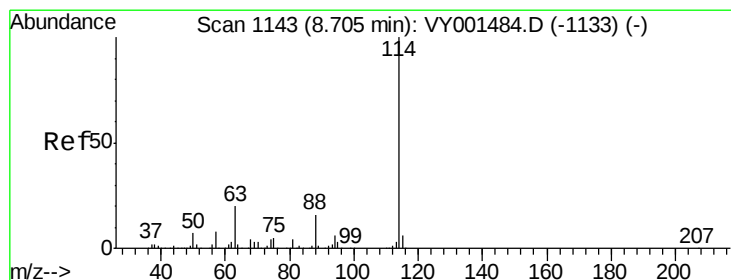
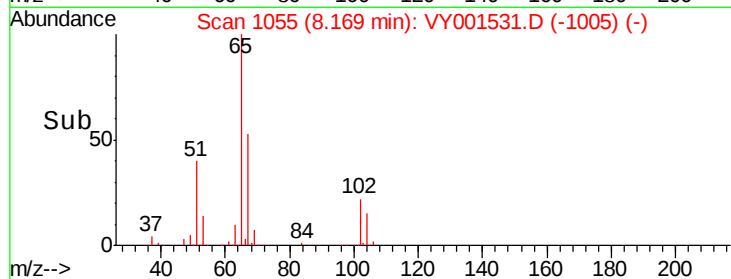
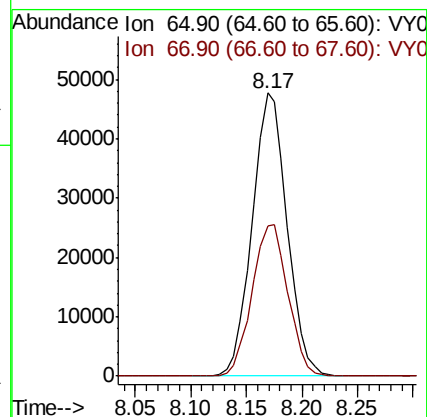
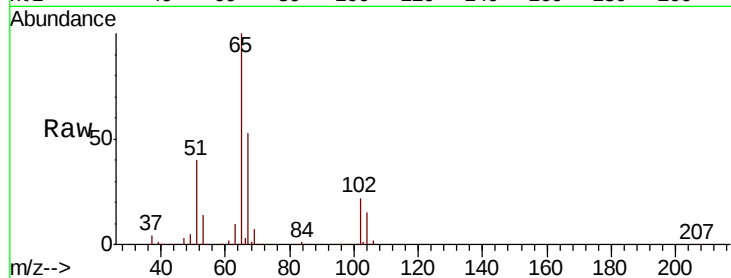




#33
 1,2-Dichloroethane-d4
 Concen: 61.022 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001531.D
 Acq: 06 Feb 2020 15:26

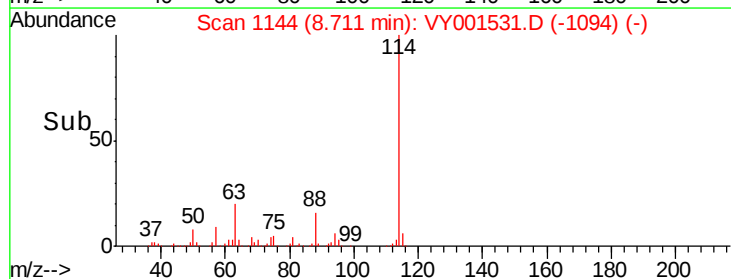
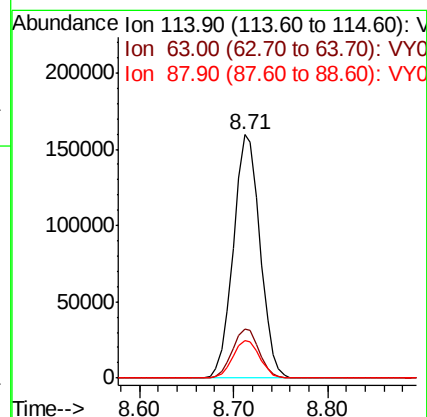
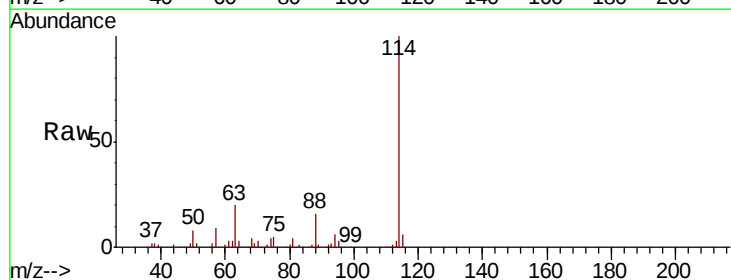
Instrument :
 MSVOA_Y
 ClientSampled :

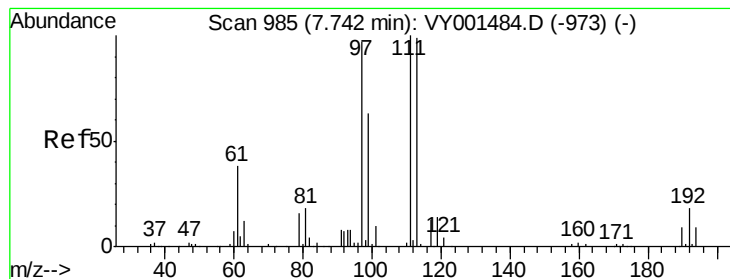
Tot Ion: 65 Resp: 104193
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001531.D
 Acq: 06 Feb 2020 15:26

Tgt Ion: 114 Resp: 313478
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.185 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001531.D

Acq: 06 Feb 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

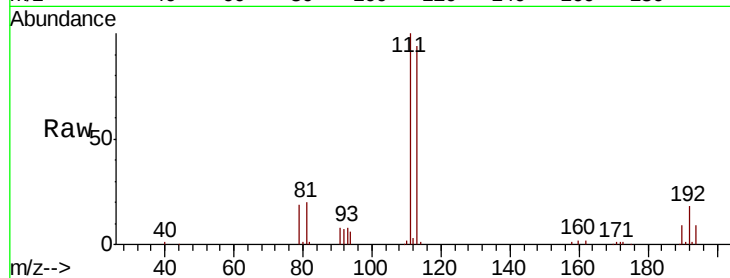
Tot Ion:113 Resp: 92525

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

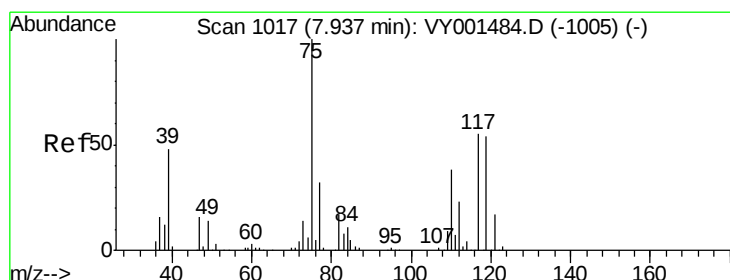
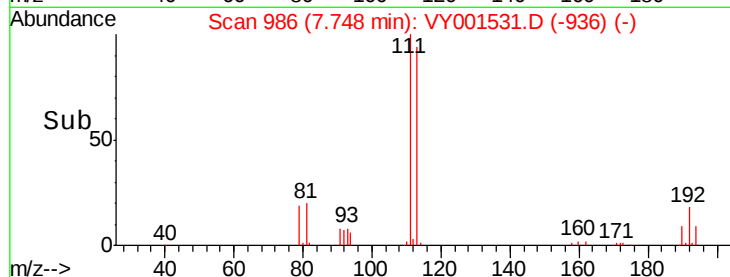
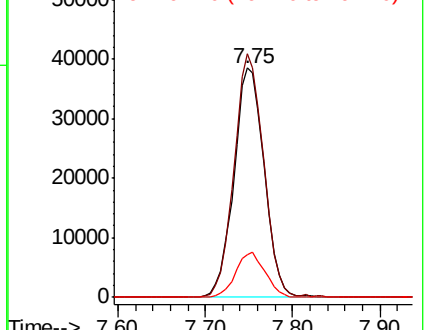
192 19.2 14.6 22.0



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: 4.774 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001531.D

Acq: 06 Feb 2020 15:26

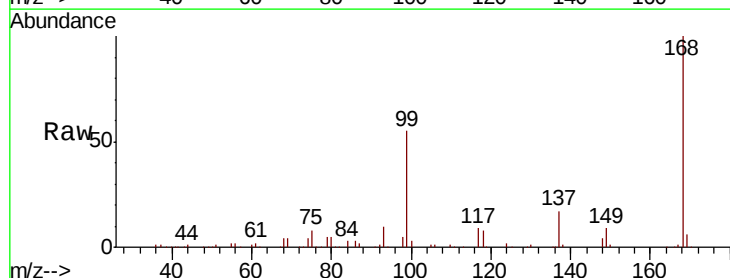
Tgt Ion: 75 Resp: 13691

Ion Ratio Lower Upper

75 100

110 9.2 18.2 54.6#

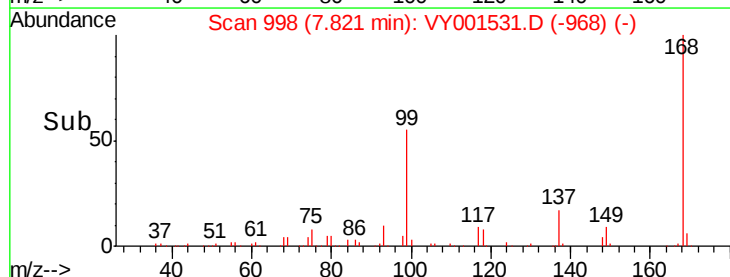
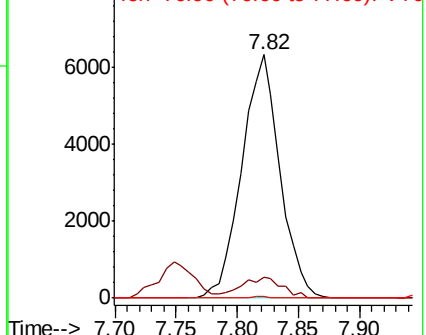
77 0.3 25.0 37.4#

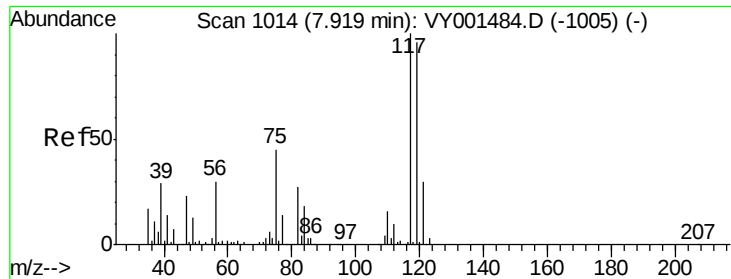


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

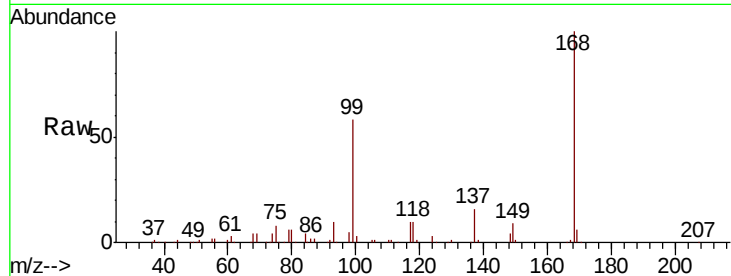




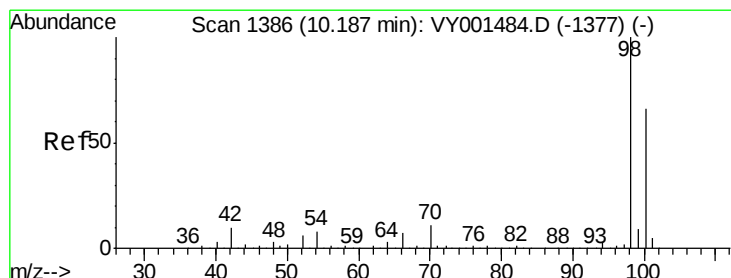
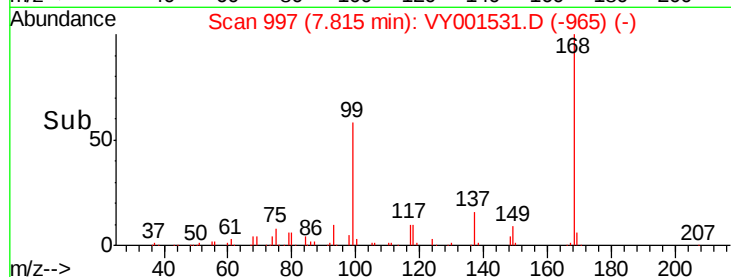
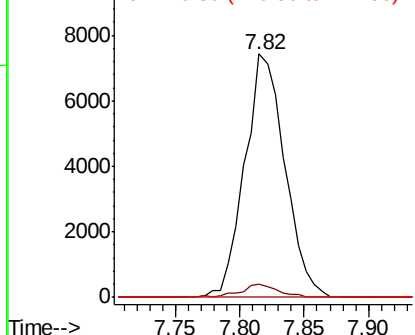
#38
Carbon Tetrachloride
Concen: 5.767 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY001531.D
Acq: 06 Feb 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 16000
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 24.2 36.4#

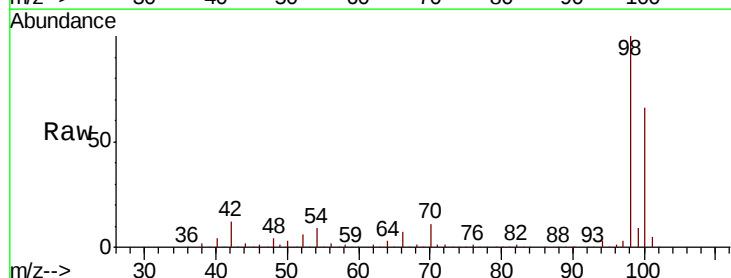


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

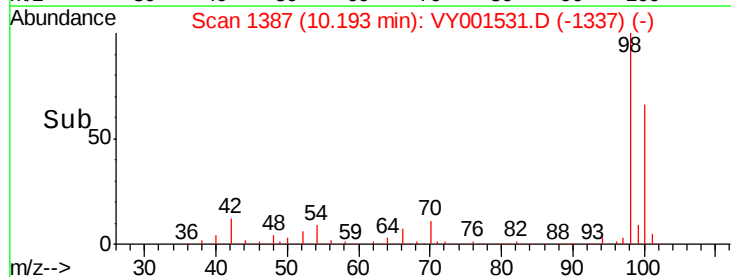
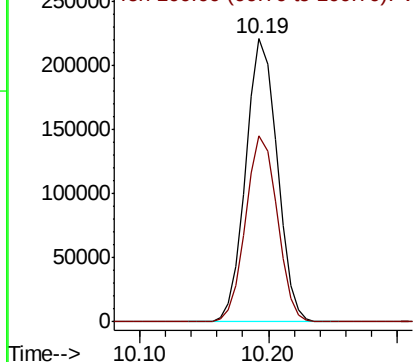


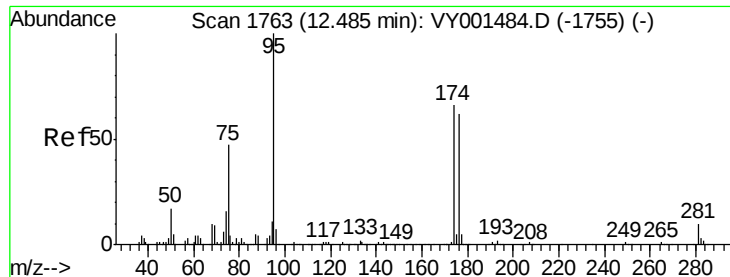
#50
Toluene-d8
Concen: 54.401 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001531.D
Acq: 06 Feb 2020 15:26

Tgt Ion: 98 Resp: 372060
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6



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

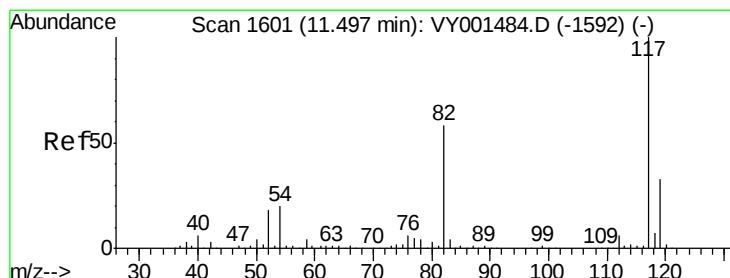
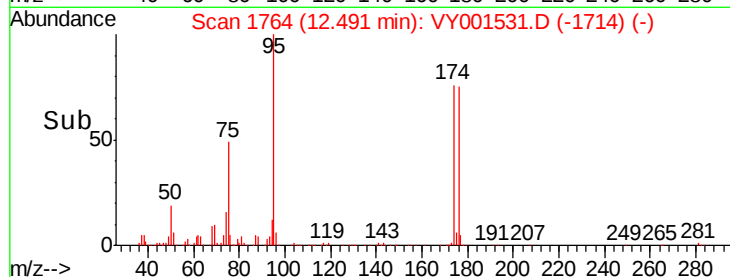
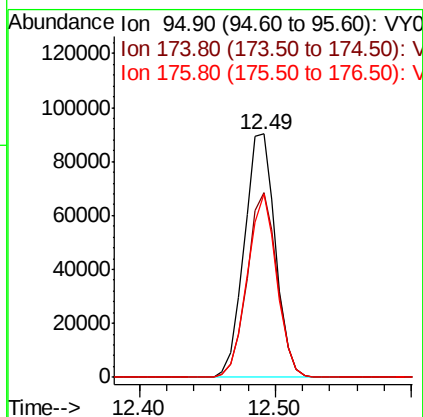
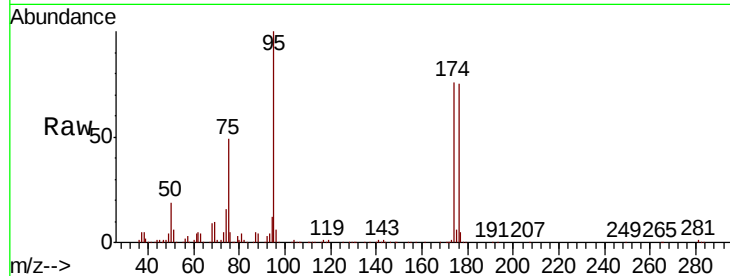




#62
4-Bromofluorobenzene
Concen: 53.537 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001531.D
Acq: 06 Feb 2020 15:26

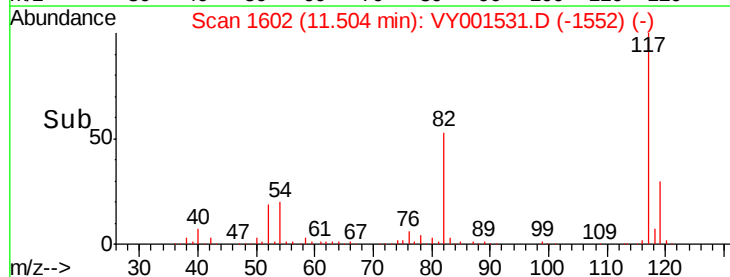
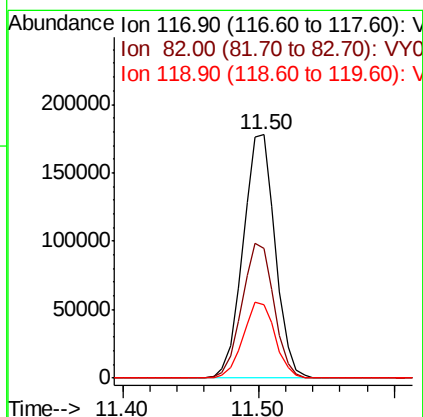
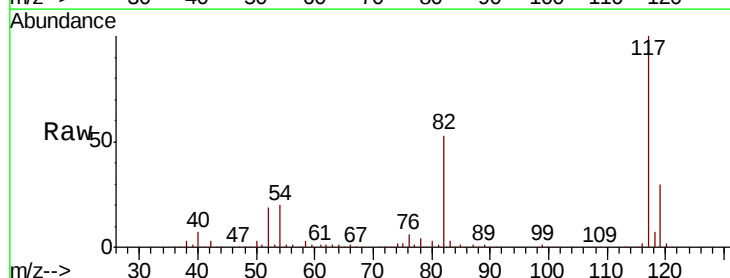
Instrument :
MSVOA_Y
ClientSampleId :

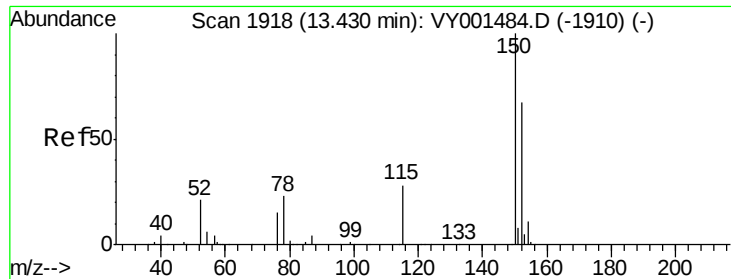
Tot Ion: 95 Resp: 144243
Ion Ratio Lower Upper
95 100
174 73.4 0.0 141.4
176 71.5 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001531.D
Acq: 06 Feb 2020 15:26

Tgt Ion: 117 Resp: 292467
Ion Ratio Lower Upper
117 100
82 53.4 46.1 69.1
119 30.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001531.D

Acq: 06 Feb 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

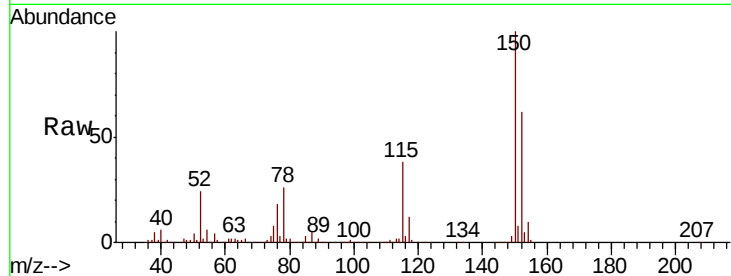
Tot Ion:152 Resp: 138157

Ion Ratio Lower Upper

152 100

115 60.3 31.4 94.3

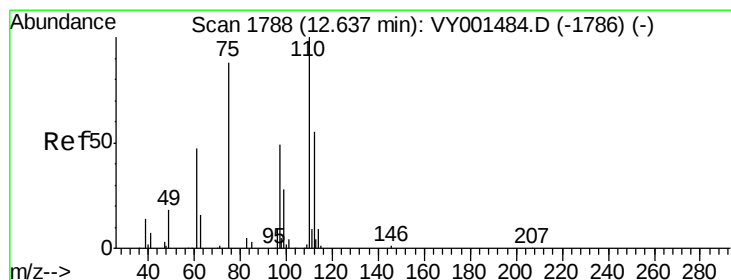
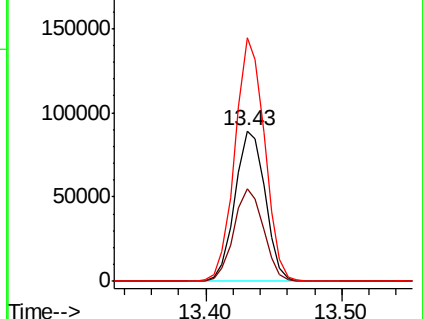
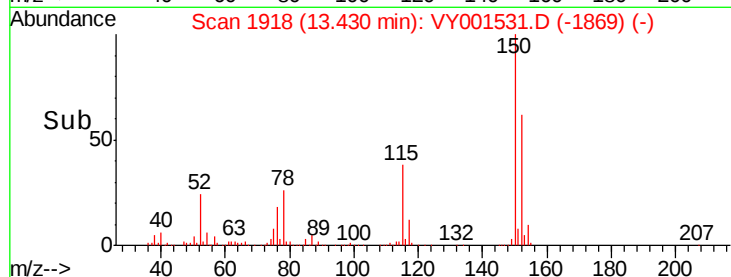
150 158.1 0.0 346.8



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: 47.339 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001531.D

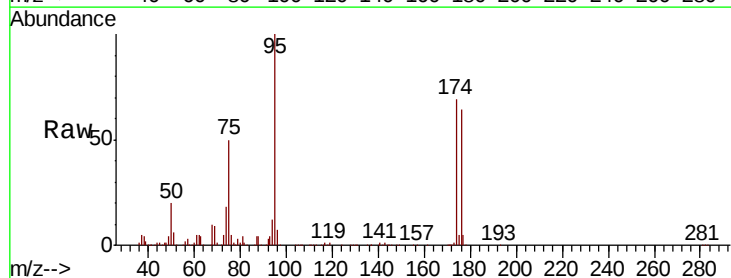
Acq: 06 Feb 2020 15:26

Tgt Ion: 75 Resp: 70333

Ion Ratio Lower Upper

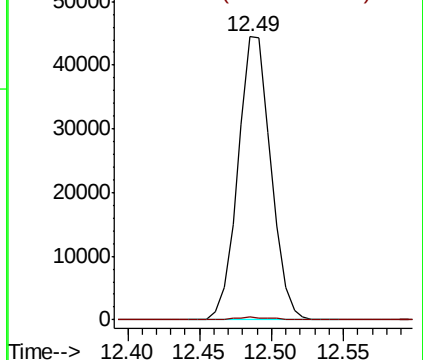
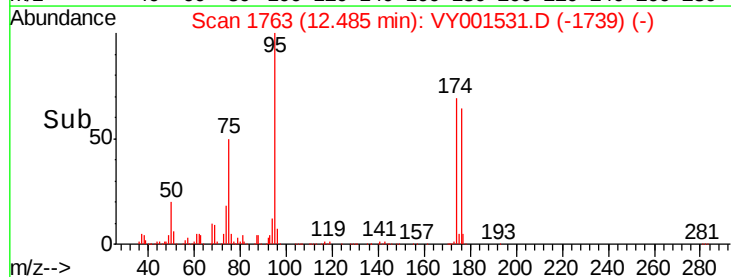
75 100

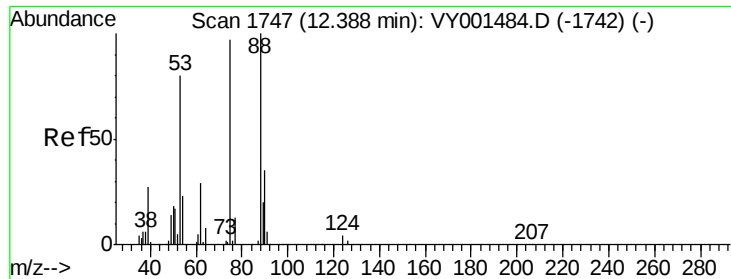
77 1.2 0.0 0.0#



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: 91.598 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001531.D

Acq: 06 Feb 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 70333

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

