

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001563.D
 Acq On : 07 Feb 2020 18:38
 Operator : SY/MD
 Sample : L1472-01
 Misc : 11.0G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:28:02 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

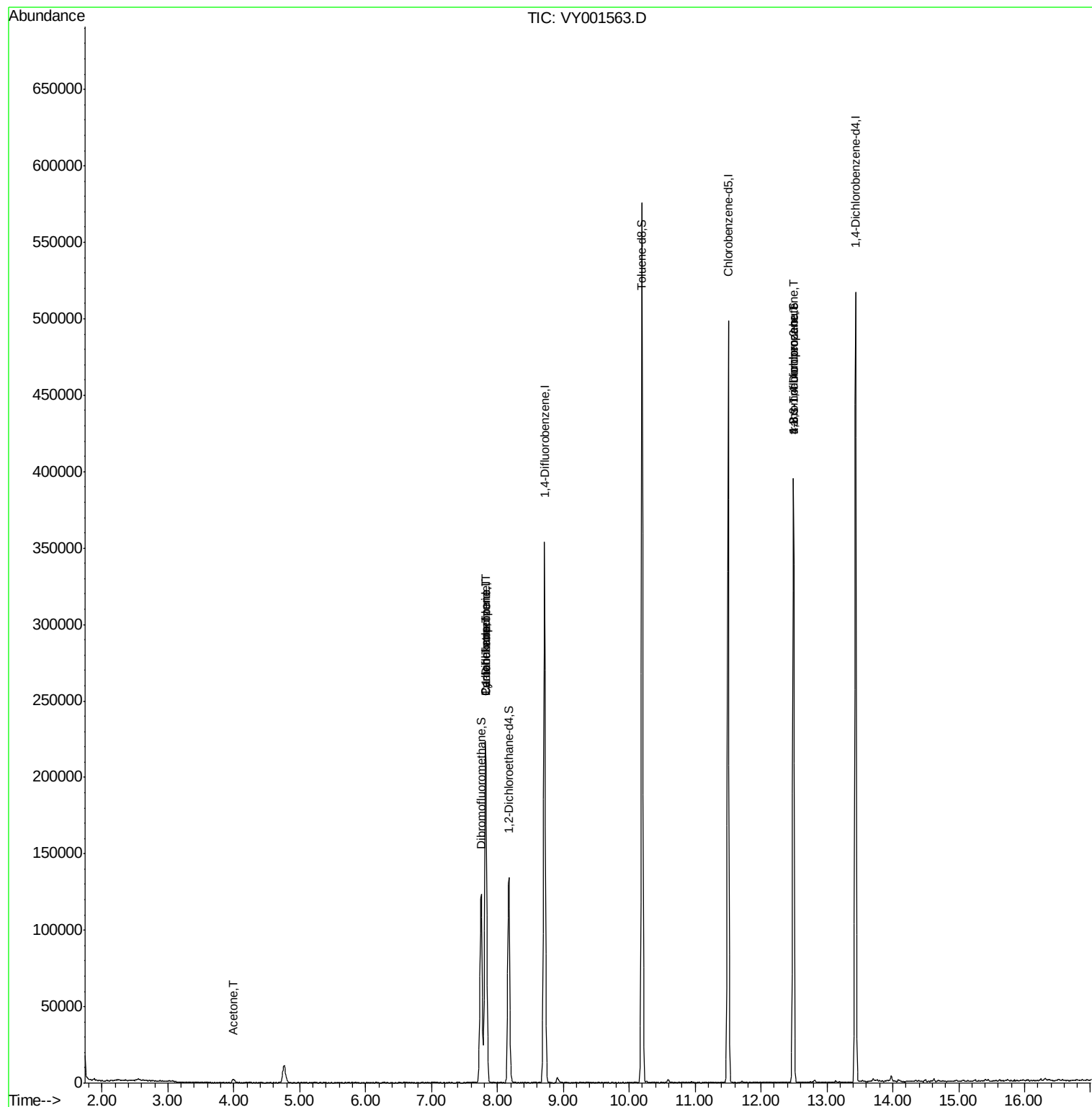
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	171855	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	301242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	275535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	125516	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	99640	57.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.16%	
35) Dibromofluoromethane	7.75	113	88239	50.80	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.60%	
50) Toluene-d8	10.19	98	361648	55.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.06%	
62) 4-Bromofluorobenzene	12.49	95	127767	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	66	Below Cal	#	76
16) Acetone	3.99	43	4092	8.176	ug/l	97
20) Methylene Chloride	4.77	84	8835	Below Cal		87
31) Cyclohexane	7.82	56	3550	1.054	ug/l #	10
36) 1,1-Dichloropropene	7.83	75	13330	4.837	ug/l #	49
38) Carbon Tetrachloride	7.82	117	16475	6.179	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	64025	47.433	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	64025	91.780	ug/l #	16

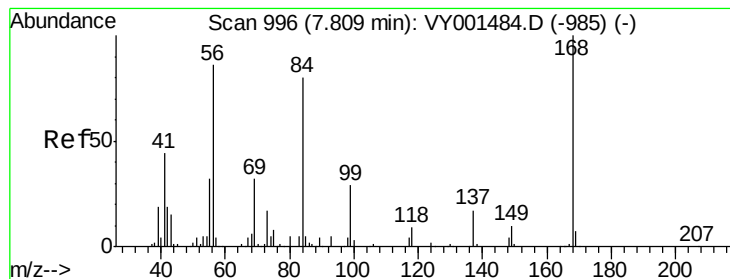
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001563.D

Acq: 07 Feb 2020 18:38

Instrument :

MSVOA_Y

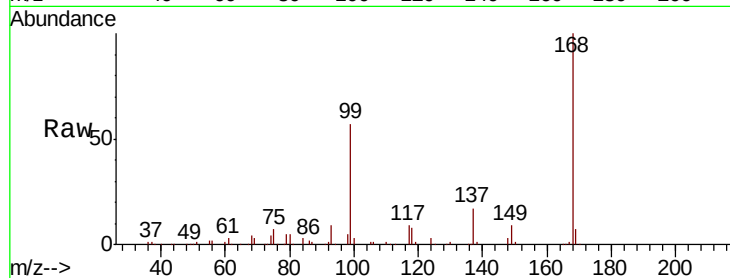
ClientSampleId :

Tot Ion:168 Resp: 171855

Ion Ratio Lower Upper

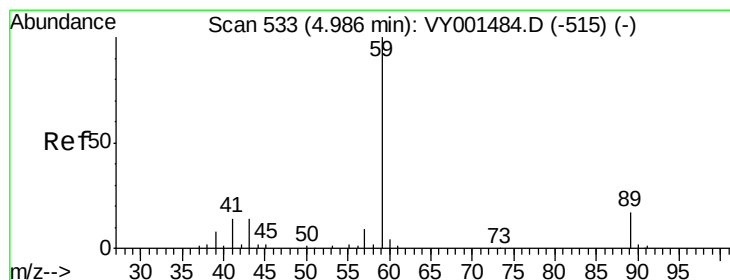
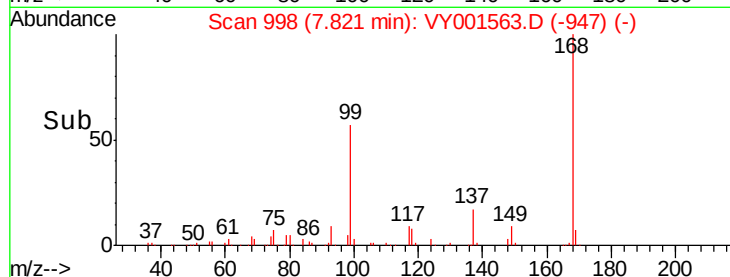
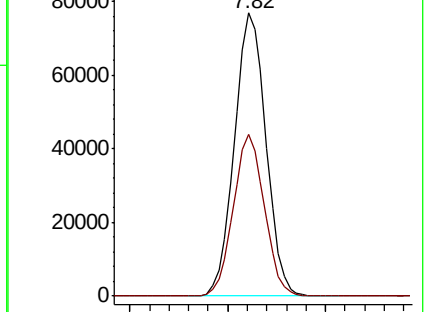
168 100

99 57.2 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.01 min

Lab File: VY001563.D

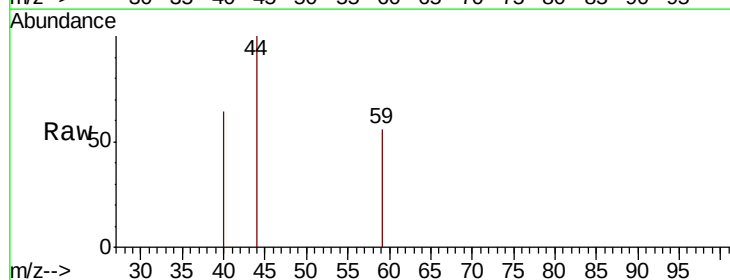
Acq: 07 Feb 2020 18:38

Tgt Ion: 59 Resp: 66

Ion Ratio Lower Upper

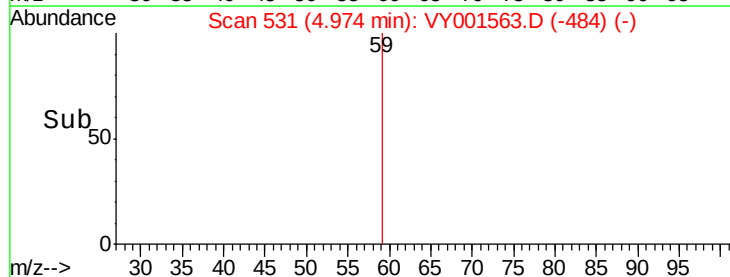
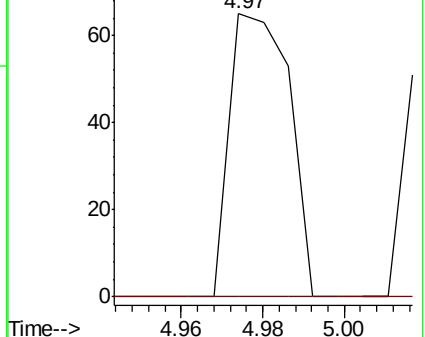
59 100

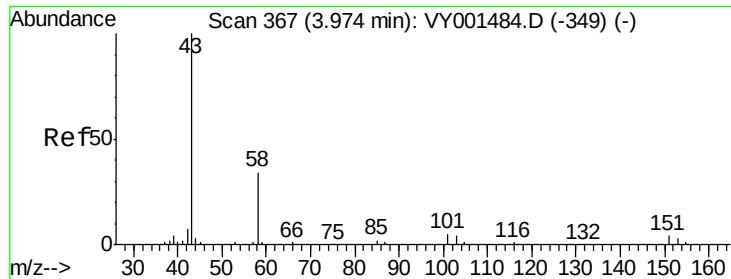
57 0.0 7.0 10.6#



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

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





#16

Acetone

Concen: 8.176 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001563.D

Acq: 07 Feb 2020 18:38

Instrument :

MSVOA_Y

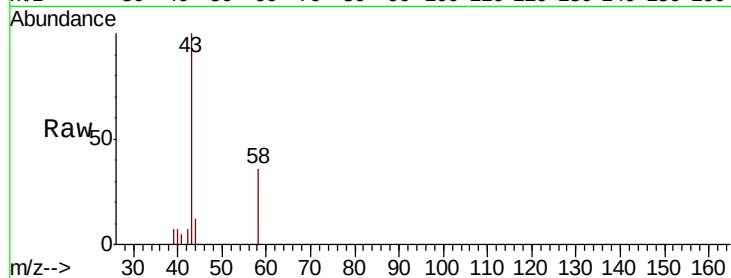
ClientSampleId :

Tot Ion: 43 Resp: 4092

Ion Ratio Lower Upper

43 100

58 35.9 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.99

1500

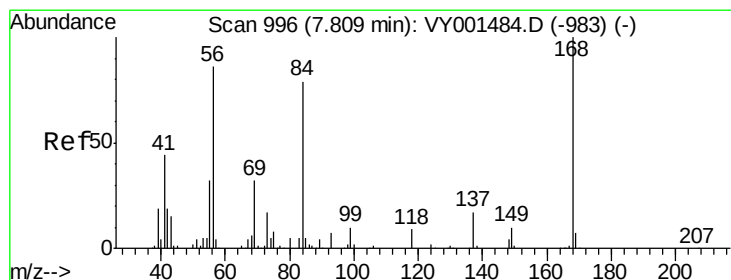
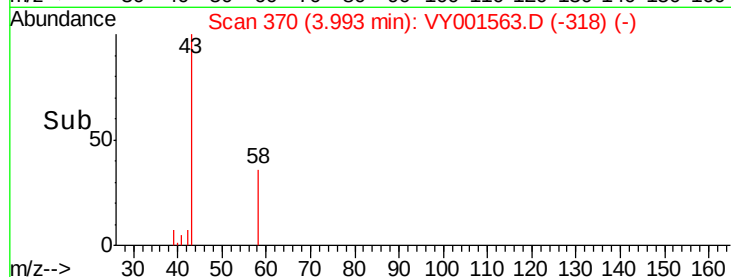
1000

500

0

Time-->

3.90 4.00 4.10



#31

Cyclohexane

Concen: 1.054 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001563.D

Acq: 07 Feb 2020 18:38

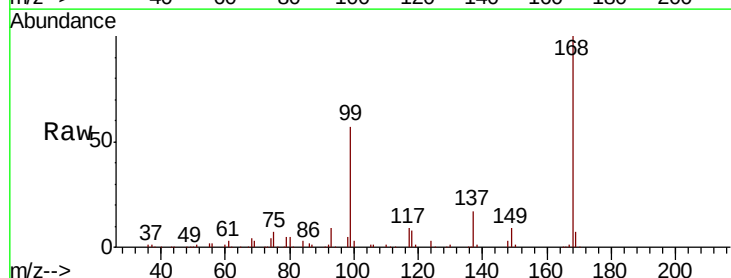
Tgt Ion: 56 Resp: 3550

Ion Ratio Lower Upper

56 100

69 155.5 29.6 44.4#

84 135.8 73.6 110.4#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

3000

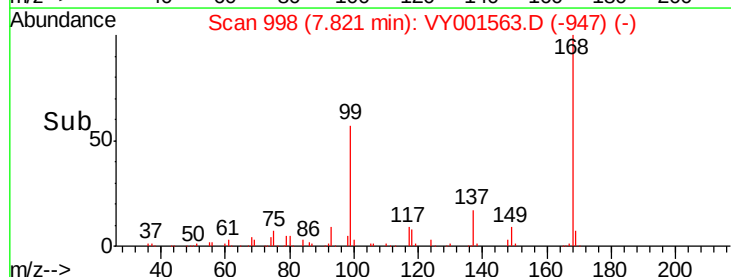
2000

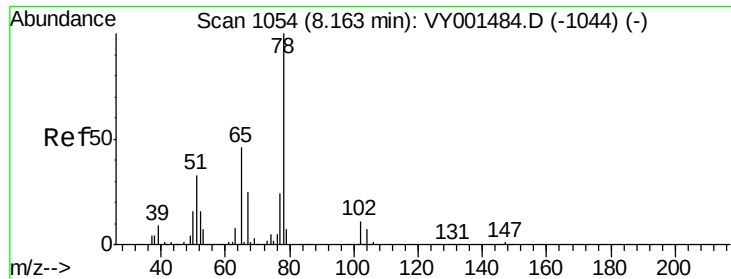
1000

0

Time-->

7.75 7.80 7.85

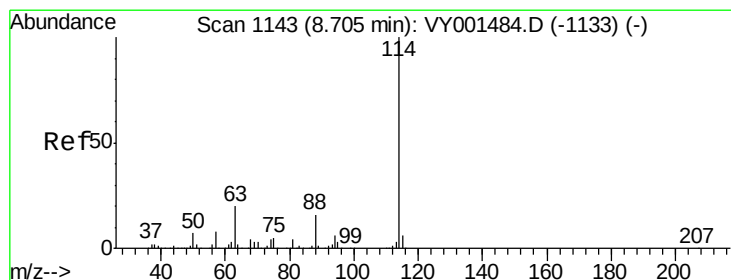
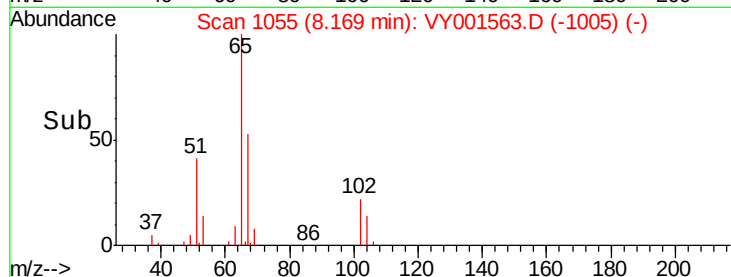
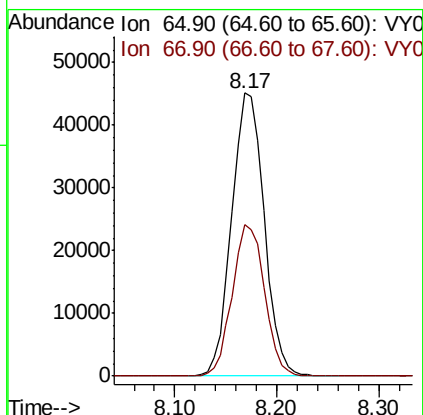
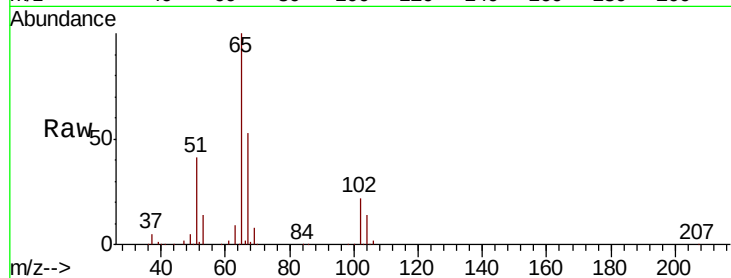




#33
 1,2-Dichloroethane-d4
 Concen: 57.584 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001563.D
 Acq: 07 Feb 2020 18:38

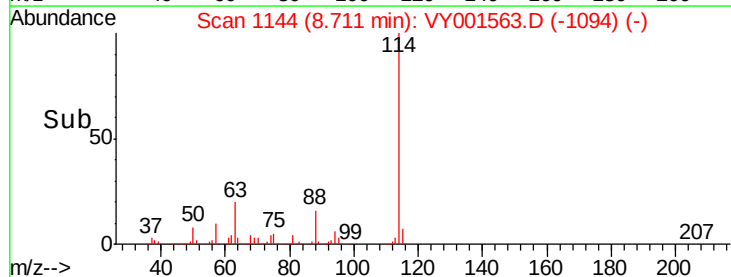
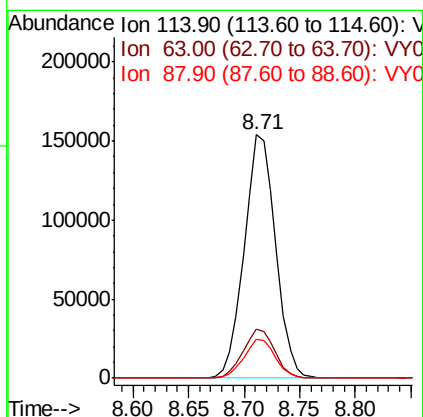
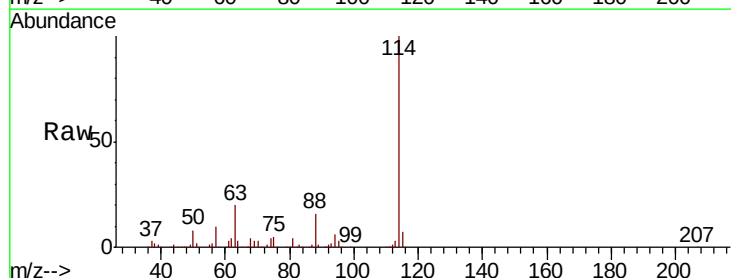
Instrument :
 MSVOA_Y
 ClientSampled :

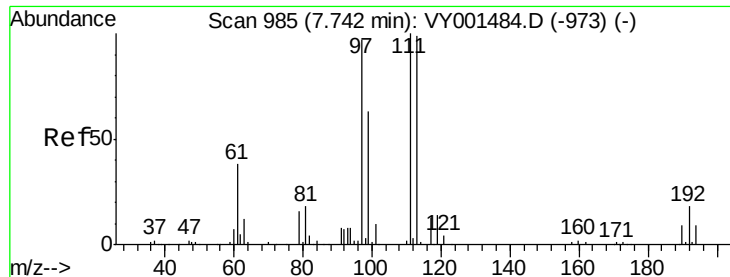
Tot Ion: 65 Resp: 99640
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001563.D
 Acq: 07 Feb 2020 18:38

Tgt Ion: 114 Resp: 301242
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 16.0 0.0 32.6

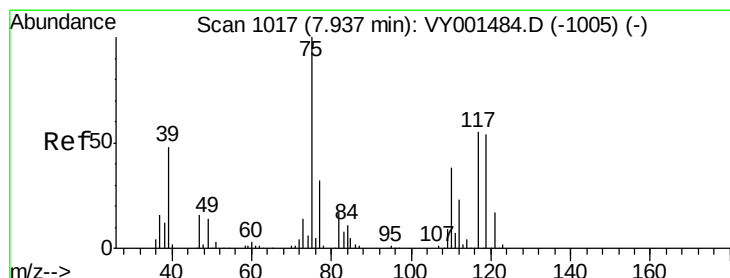
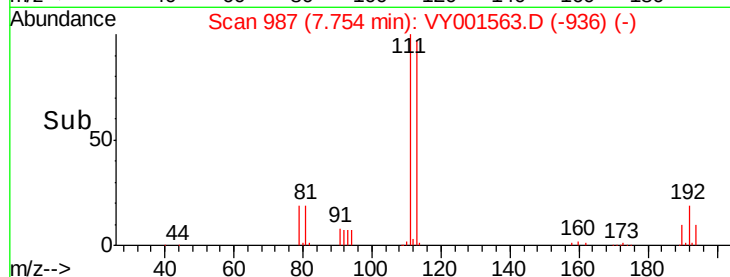
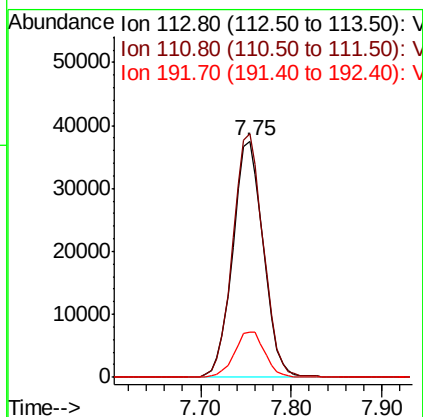
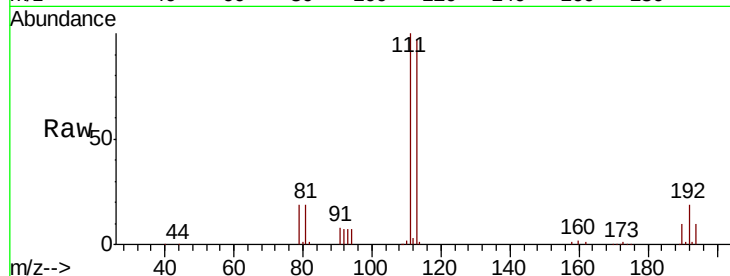




#35
 Dibromofluoromethane
 Concen: 50.797 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001563.D
 Acq: 07 Feb 2020 18:38

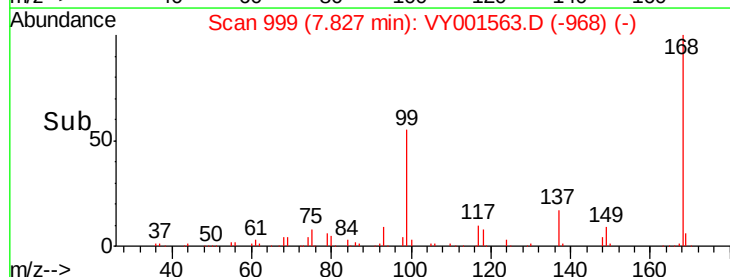
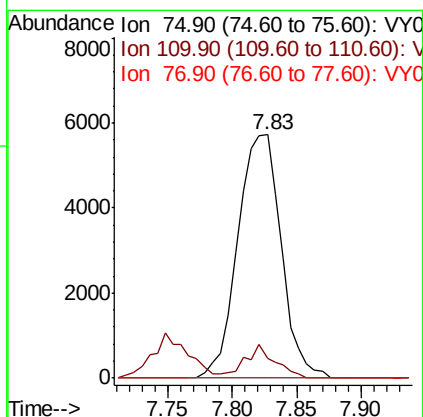
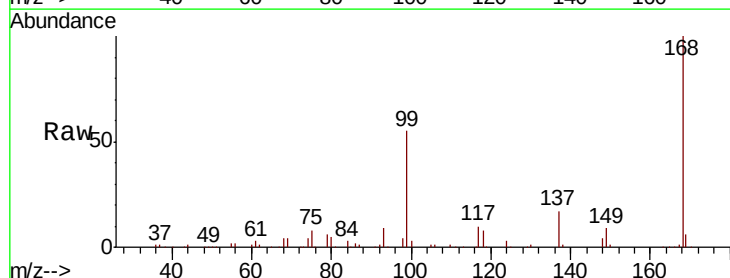
Instrument :
 MSVOA_Y
 ClientSampled :

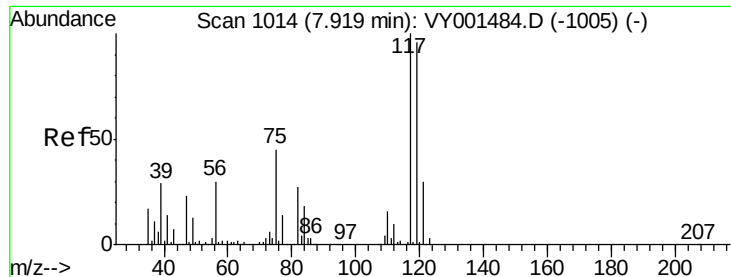
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	19.1	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.837 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.11 min
 Lab File: VY001563.D
 Acq: 07 Feb 2020 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.2	54.6#
77	0.0	25.0	37.4#

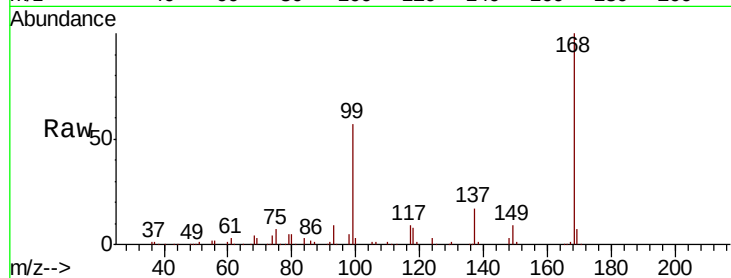




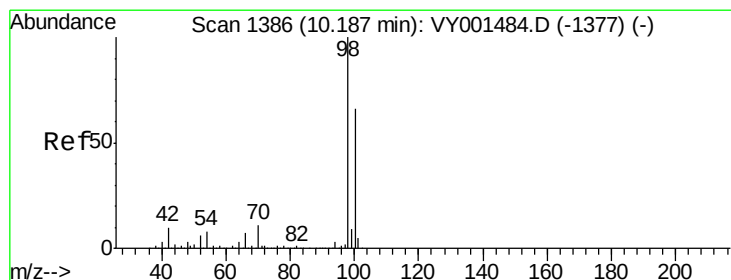
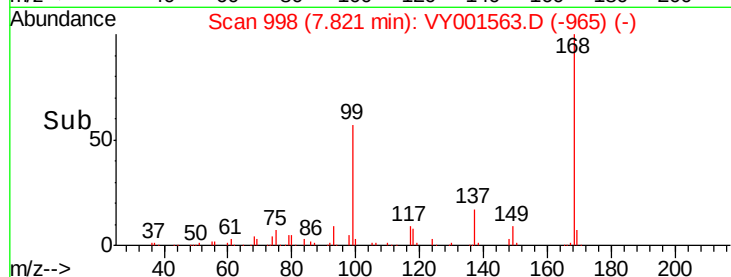
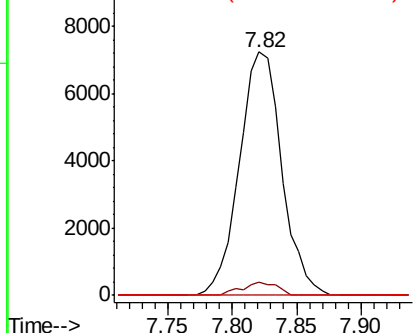
#38
Carbon Tetrachloride
Concen: 6.179 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001563.D
Acq: 07 Feb 2020 18:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 16475
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 24.2 36.4#

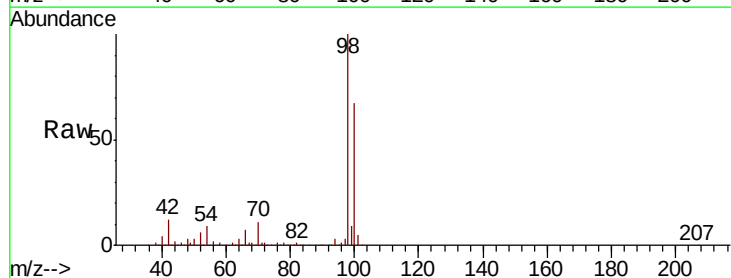


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

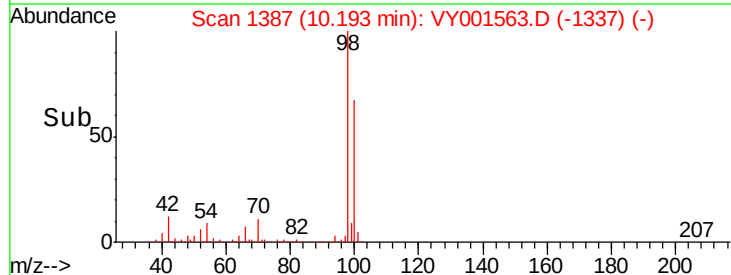
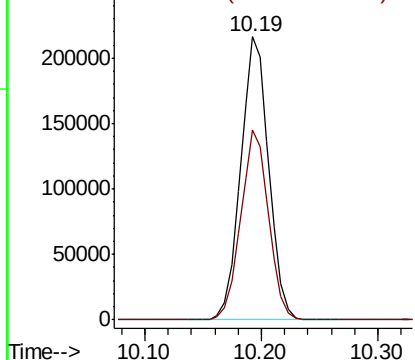


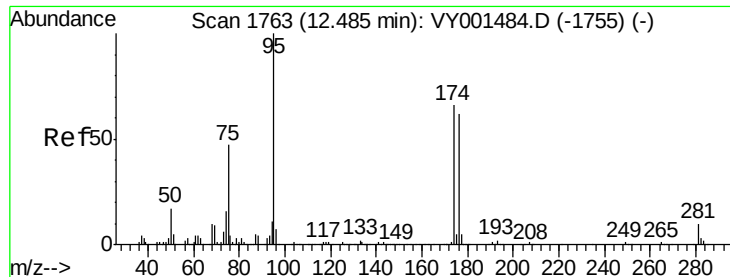
#50
Toluene-d8
Concen: 55.027 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001563.D
Acq: 07 Feb 2020 18:38

Tgt Ion: 98 Resp: 361648
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.6



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

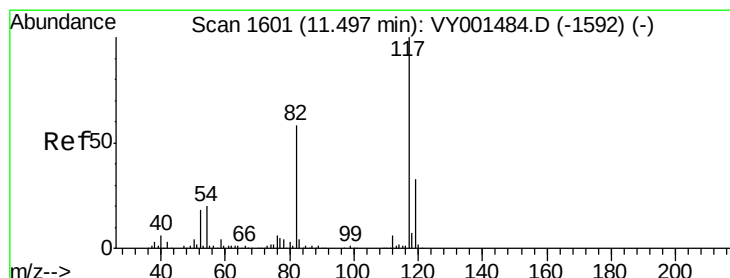
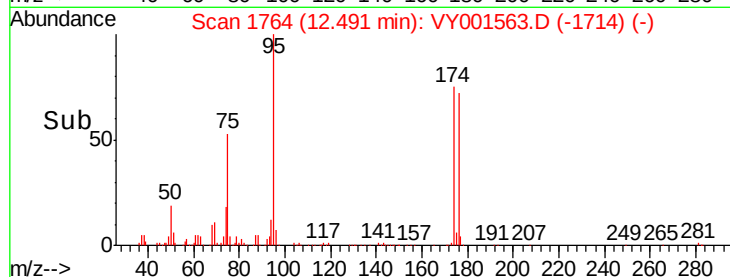
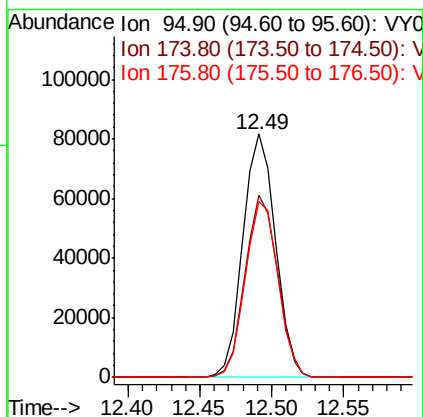
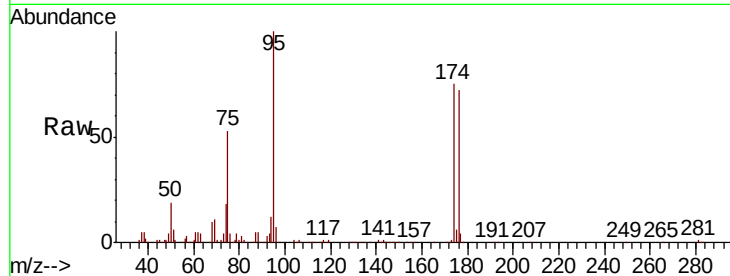




#62
4-Bromofluorobenzene
Concen: 49.348 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001563.D
Acq: 07 Feb 2020 18:38

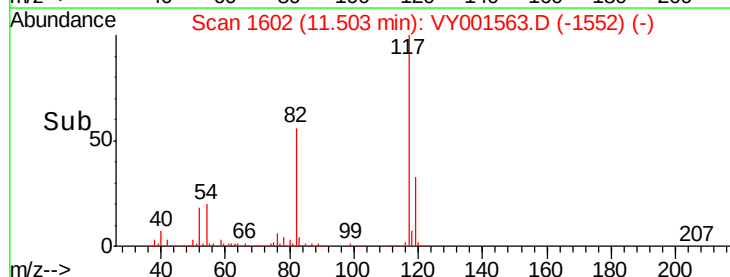
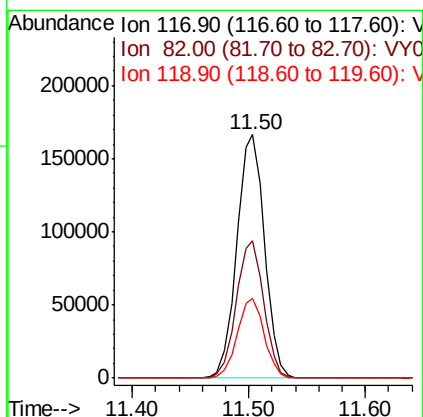
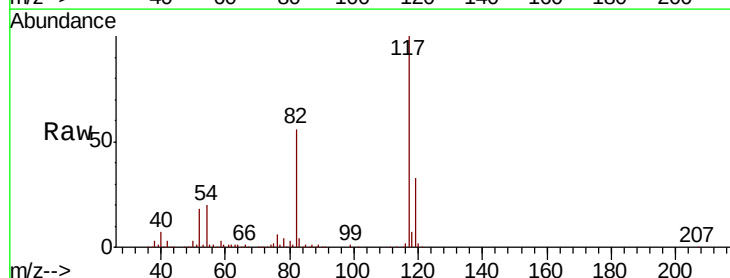
Instrument :
MSVOA_Y
ClientSampleId :

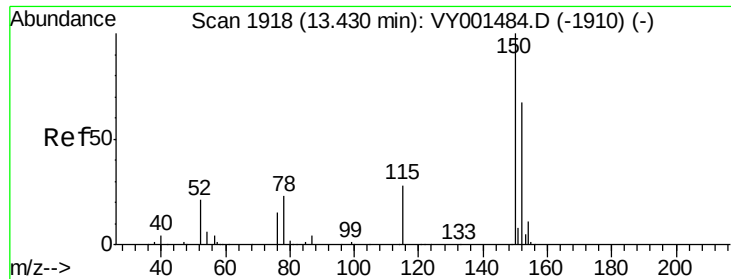
Tot Ion: 95 Resp: 127767
Ion Ratio Lower Upper
95 100
174 74.7 0.0 141.4
176 72.5 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001563.D
Acq: 07 Feb 2020 18:38

Tgt Ion: 117 Resp: 275535
Ion Ratio Lower Upper
117 100
82 56.3 46.1 69.1
119 32.6 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001563.D

Acq: 07 Feb 2020 18:38

Instrument :

MSVOA_Y

ClientSampleId :

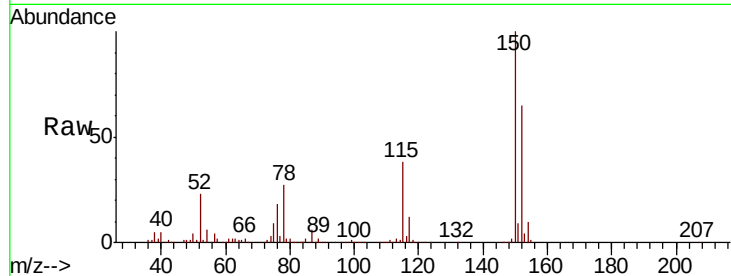
Tot Ion:152 Resp: 125516

Ion Ratio Lower Upper

152 100

115 60.1 31.4 94.3

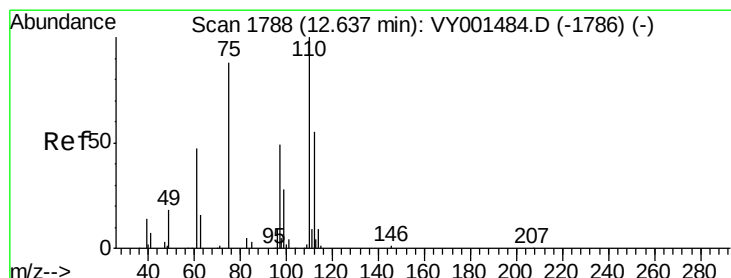
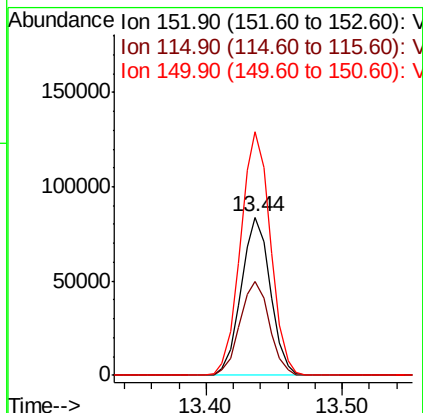
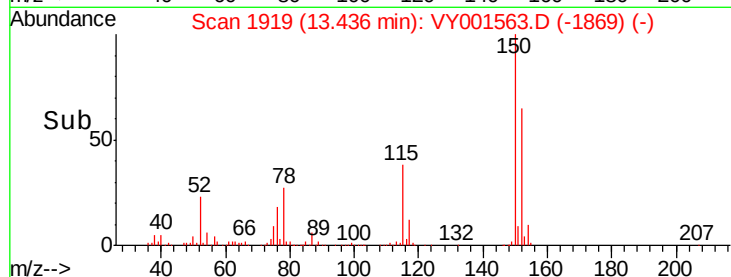
150 157.0 0.0 346.8



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: 47.433 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001563.D

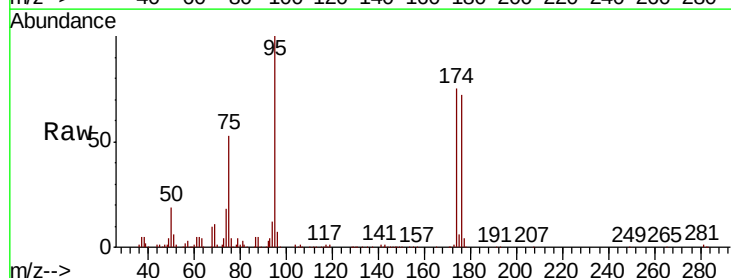
Acq: 07 Feb 2020 18:38

Tgt Ion: 75 Resp: 64025

Ion Ratio Lower Upper

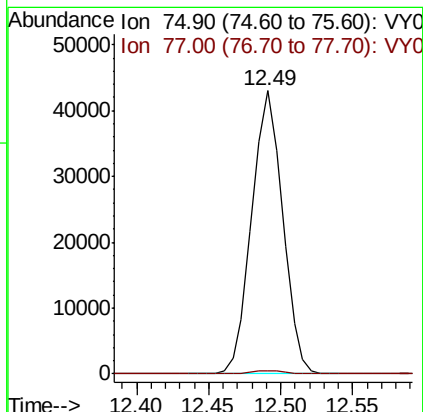
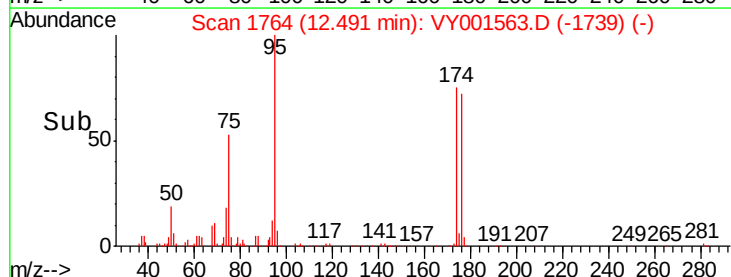
75 100

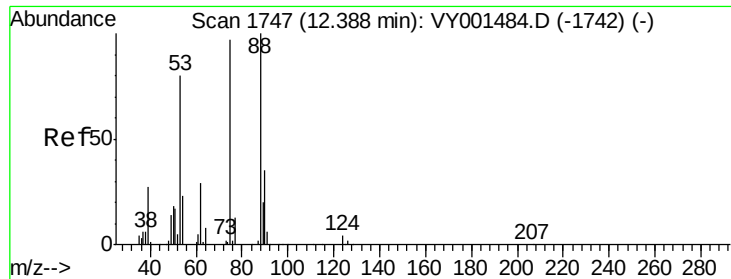
77 1.3 0.0 0.0#



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: 91.780 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001563.D

Acq: 07 Feb 2020 18:38

Instrument :

MSVOA_Y

ClientSampleId :

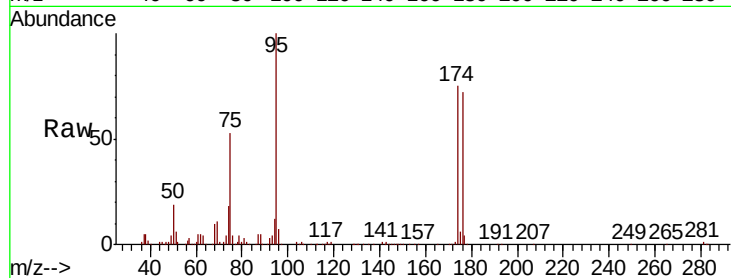
Tot Ion: 75 Resp: 64025

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#



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

