

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002413.D
 Acq On : 17 Apr 2020 20:25
 Operator : SY/MD
 Sample : L2283-05
 Misc : 6.45G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:40:53 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

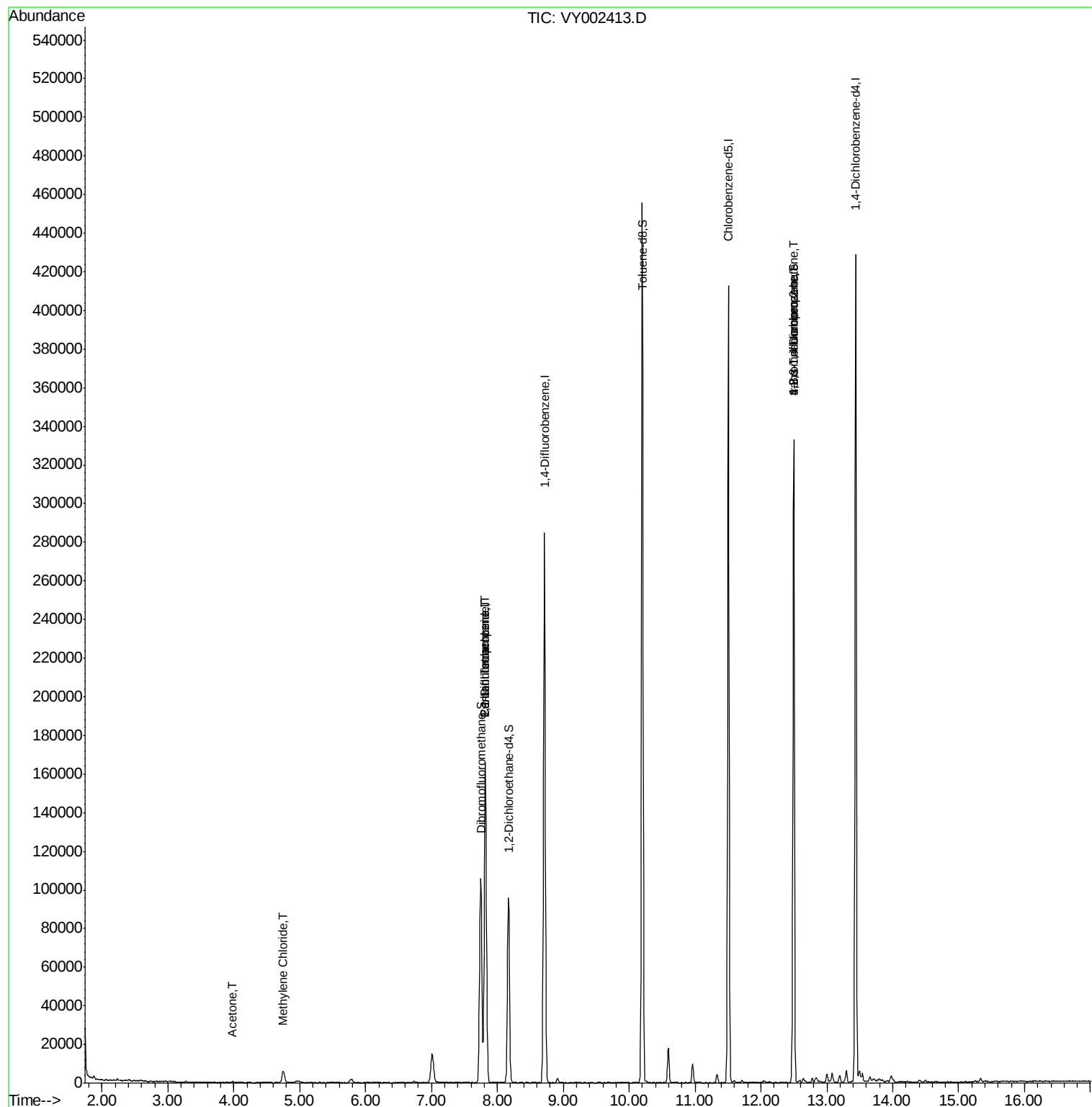
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	134057	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	269229	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.50	117	246330	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	114377	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	68540	45.97	ug/l	0.01
Spiked Amount 50.000			Recovery	=	91.94%	
35) Dibromofluoromethane	7.75	113	79431	49.58	ug/l	0.01
Spiked Amount 50.000			Recovery	=	99.16%	
50) Toluene-d8	10.20	98	314587	46.92	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.84%	
62) 4-Bromofluorobenzene	12.50	95	103453	46.77	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.99	59	805	Below Cal	#	77
16) Acetone	3.98	43	1130	2.878	ug/l #	55
20) Methylene Chloride	4.74	84	5113	2.649	ug/l #	80
36) 1,1-Dichloropropene	7.82	75	9604	3.622	ug/l #	50
38) Carbon Tetrachloride	7.82	117	12537	5.527	ug/l #	15
76) 1,2,3-Trichloropropane	12.50	75	47930	36.087	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	47930	70.189	ug/l #	19

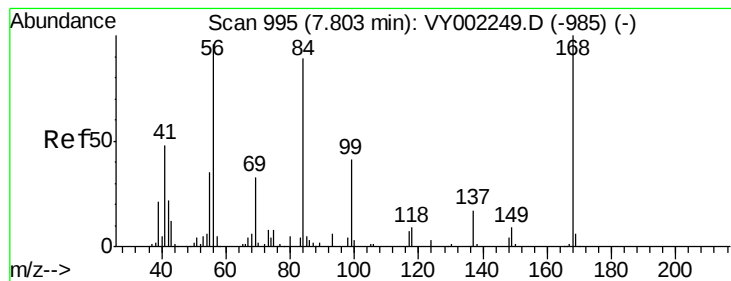
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.02 min

Lab File: VY002413.D

Acq: 17 Apr 2020 20:25

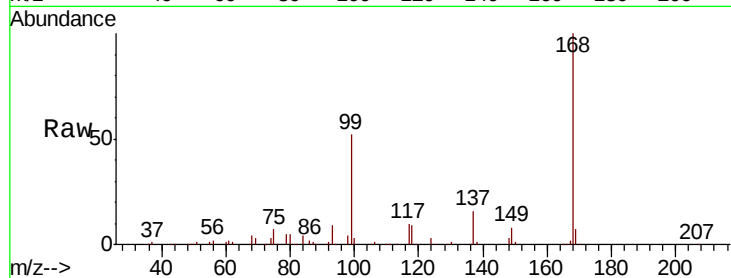
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 134057

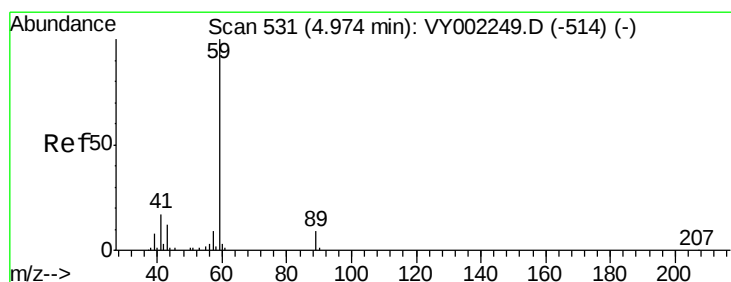
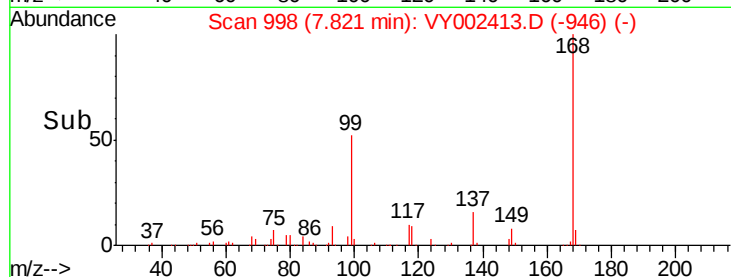
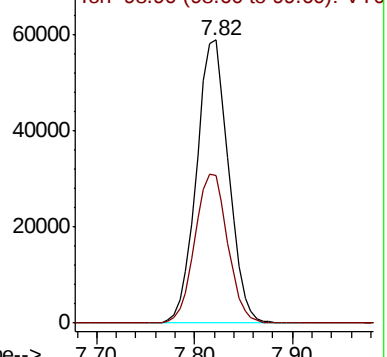
Ion Ratio Lower Upper

168 100

99 52.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.02 min

Lab File: VY002413.D

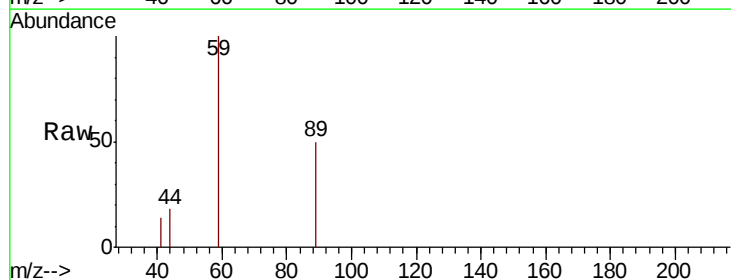
Acq: 17 Apr 2020 20:25

Tgt Ion: 59 Resp: 805

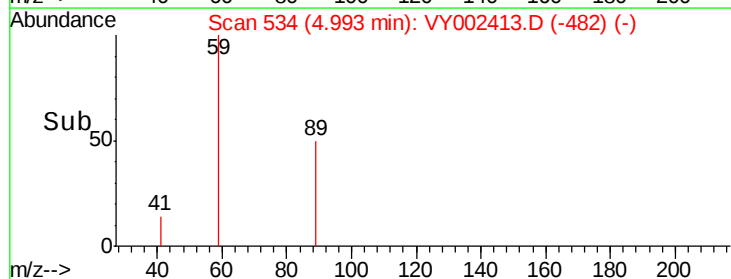
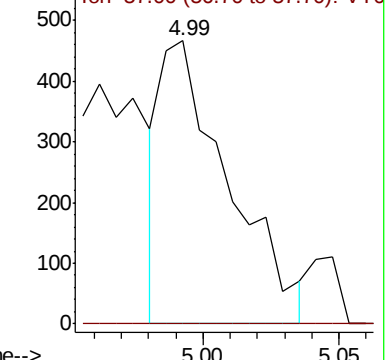
Ion Ratio Lower Upper

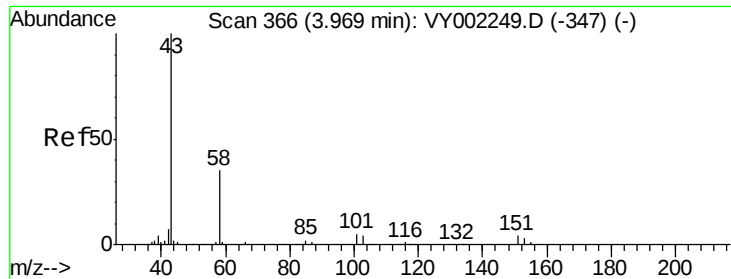
59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)





#16

Acetone

Concen: 2.878 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002413.D

Acq: 17 Apr 2020 20:25

Instrument :

MSVOA_Y

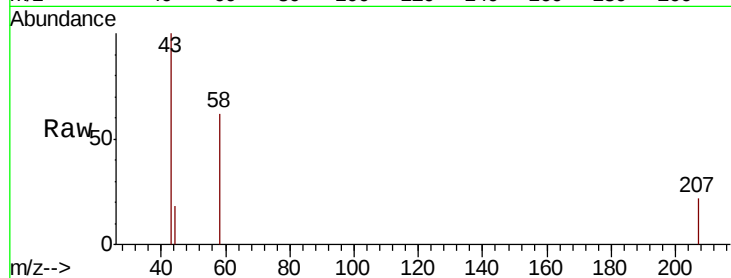
ClientSampled :

Tot Ion: 43 Resp: 1130

Ion Ratio Lower Upper

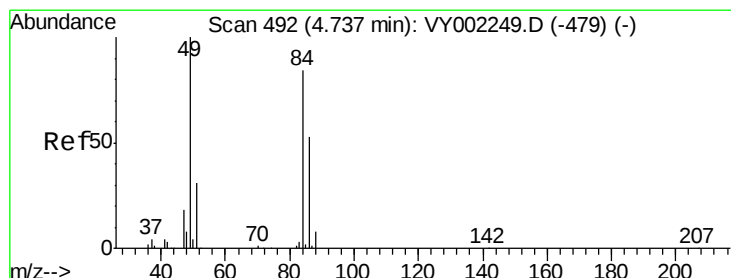
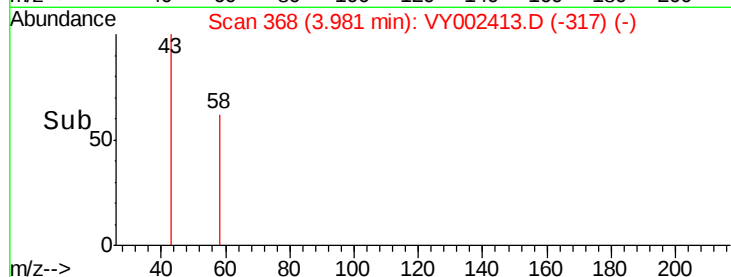
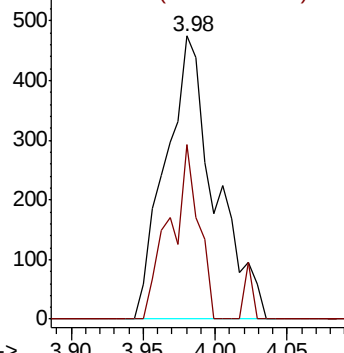
43 100

58 61.8 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: 2.649 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002413.D

Acq: 17 Apr 2020 20:25

Tgt Ion: 84 Resp: 5113

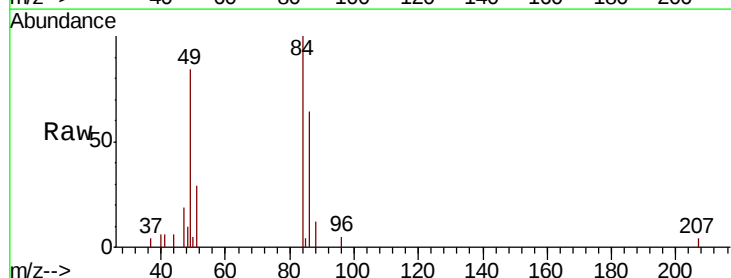
Ion Ratio Lower Upper

84 100

49 84.2 95.5 143.3#

51 28.5 29.5 44.3#

86 63.8 50.7 76.1

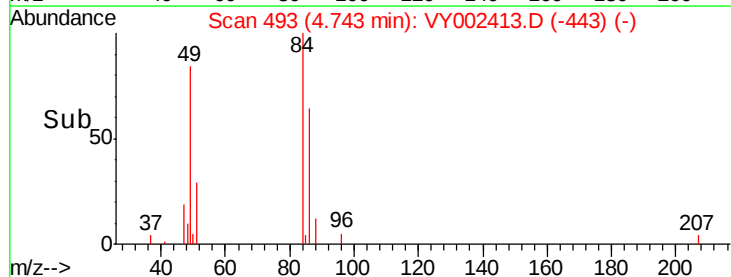
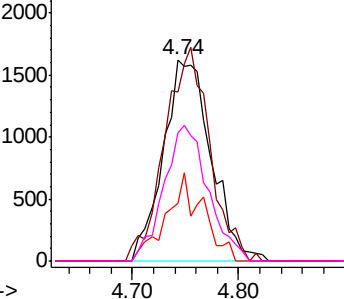


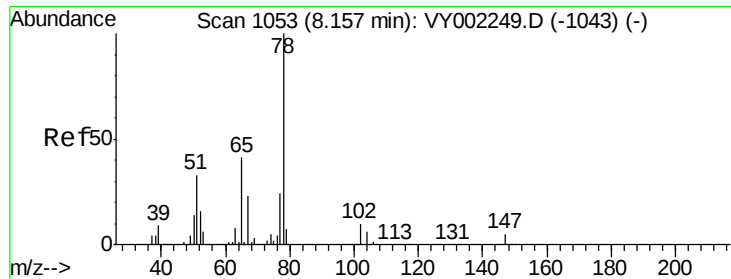
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

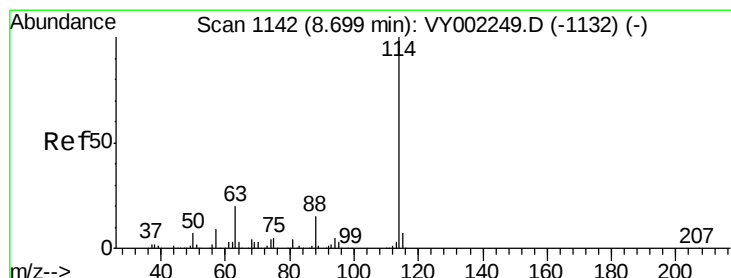
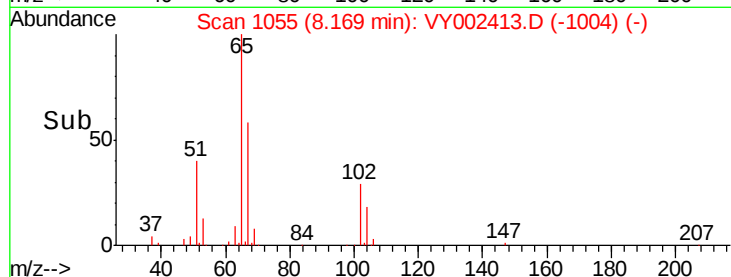
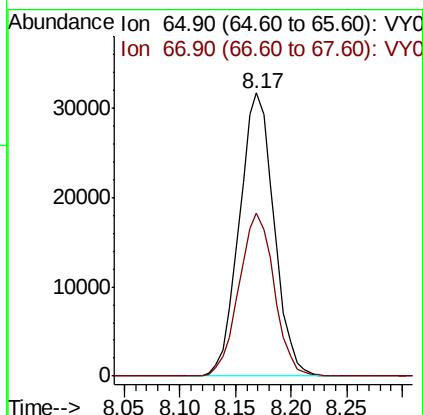
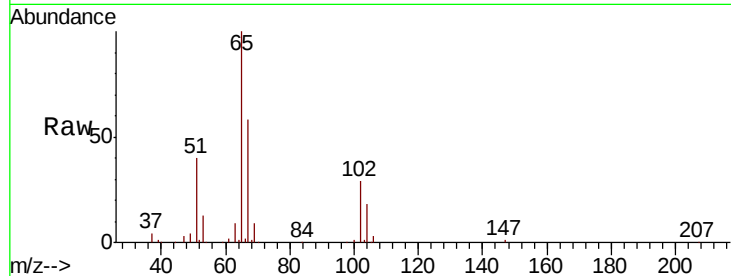




#33
 1,2-Dichloroethane-d4
 Concen: 45.975 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002413.D
 Acq: 17 Apr 2020 20:25

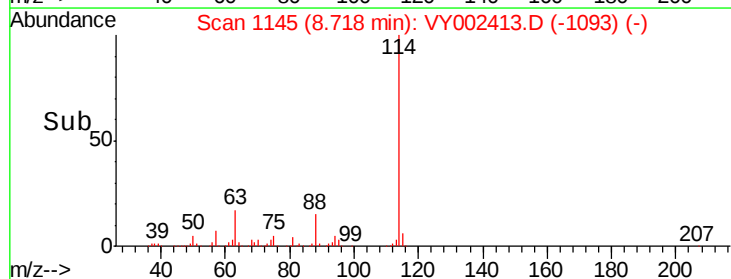
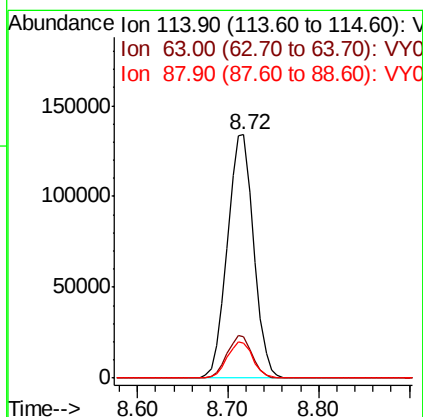
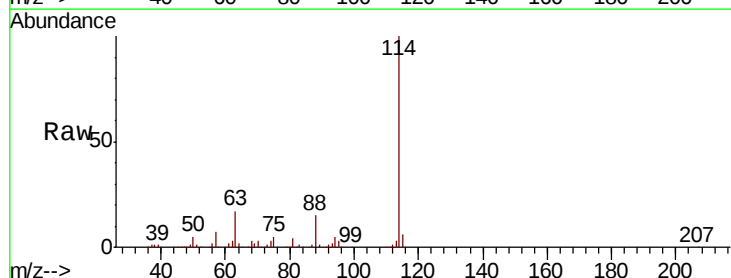
Instrument :
 MSVOA_Y
 ClientSampleId :

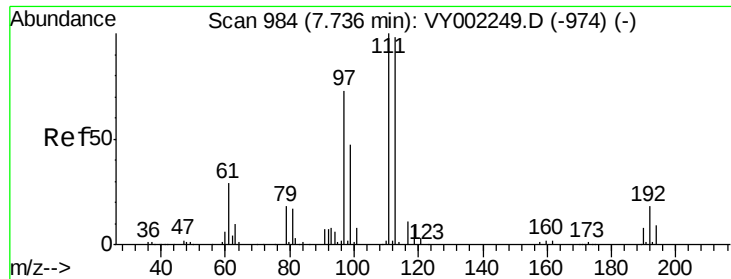
Tot Ion: 65 Resp: 68540
 Ion Ratio Lower Upper
 65 100
 67 58.3 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.02 min
 Lab File: VY002413.D
 Acq: 17 Apr 2020 20:25

Tgt Ion: 114 Resp: 269229
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 39.0
 88 14.5 0.0 31.0

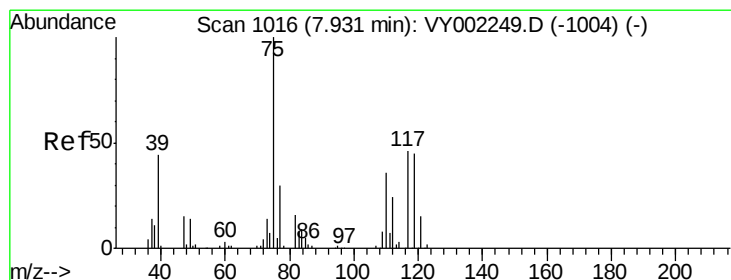
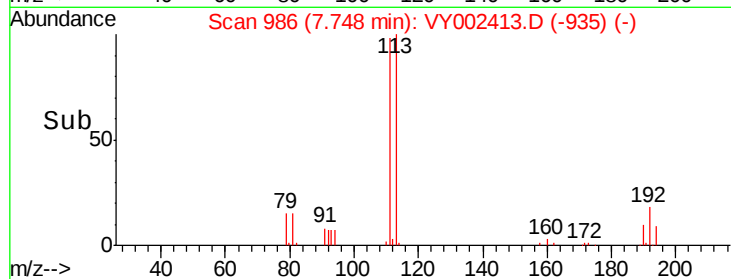
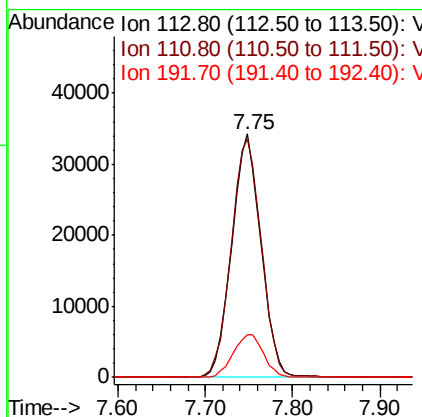
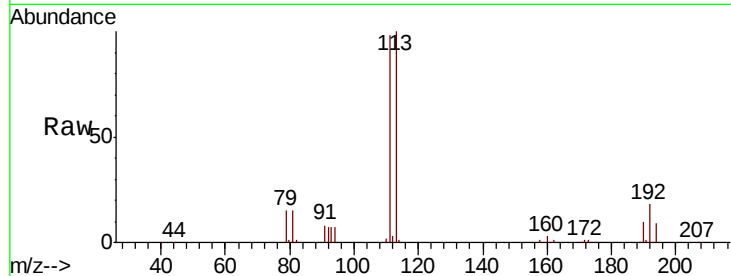




#35
 Dibromofluoromethane
 Concen: 49.582 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002413.D
 Acq: 17 Apr 2020 20:25

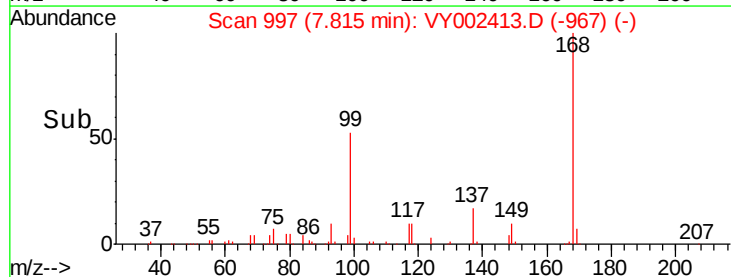
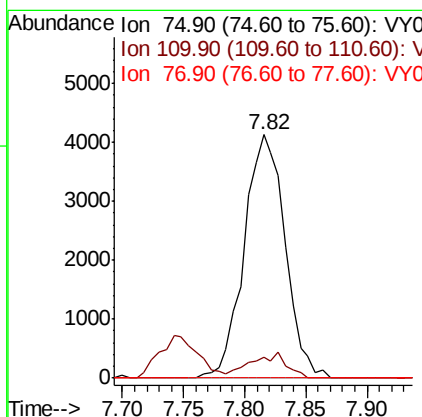
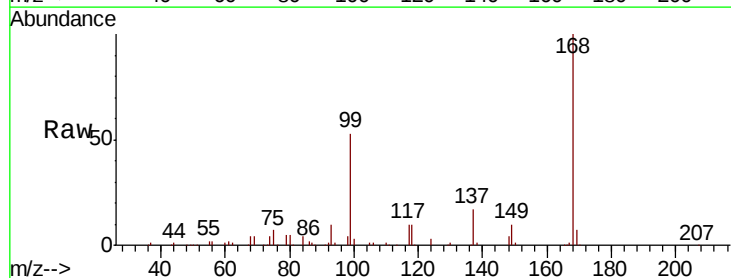
Instrument :
 MSVOA_Y
 ClientSampleId :

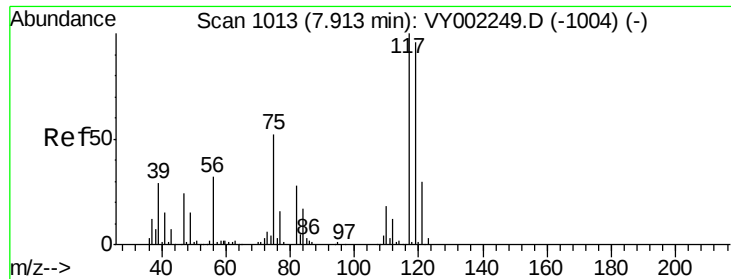
Tot Ion:113 Resp: 79431
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.5 125.3
 192 18.2 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 3.622 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002413.D
 Acq: 17 Apr 2020 20:25

Tgt Ion: 75 Resp: 9604
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.8 53.3#
 77 0.0 24.4 36.6#

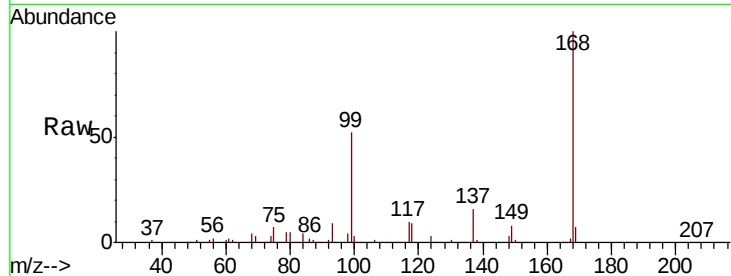




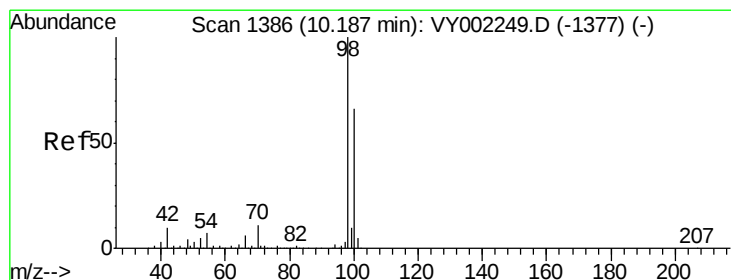
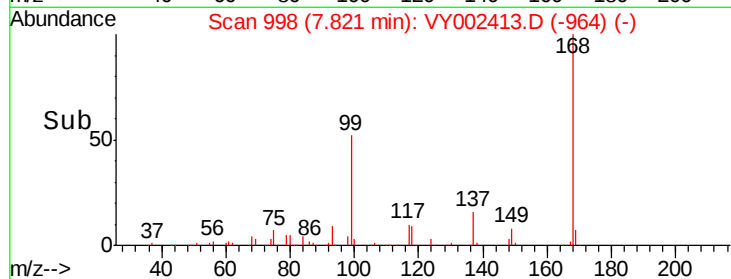
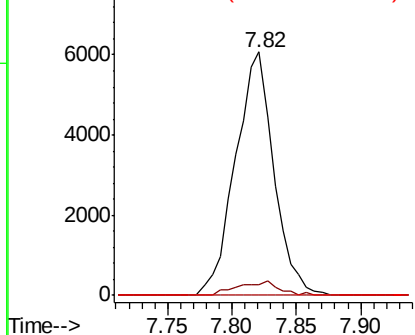
#38
Carbon Tetrachloride
Concen: 5.527 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.09 min
Lab File: VY002413.D
Acq: 17 Apr 2020 20:25

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 12537
Ion Ratio Lower Upper
117 100
119 4.3 77.1 115.7#
121 0.0 23.9 35.9#

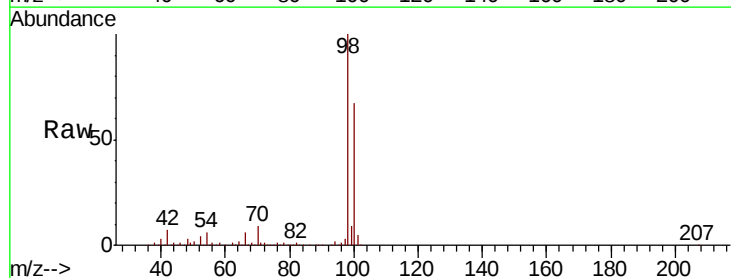


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

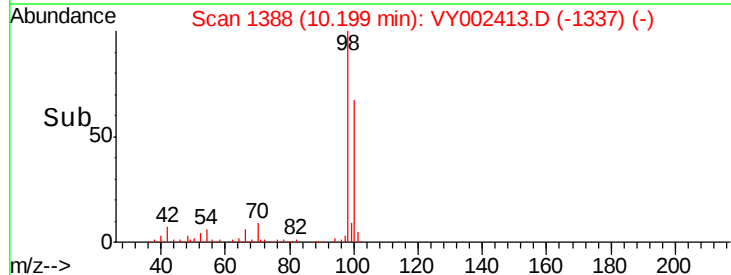
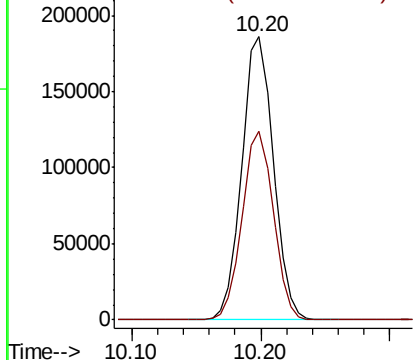


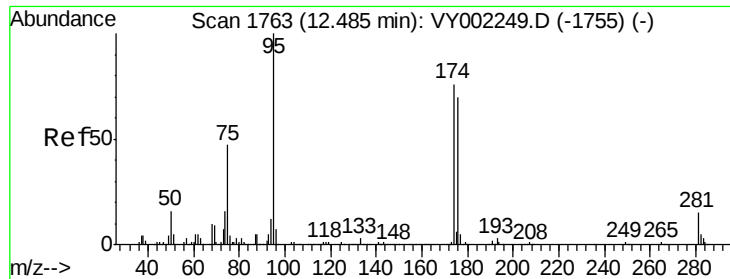
#50
Toluene-d8
Concen: 46.916 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002413.D
Acq: 17 Apr 2020 20:25

Tgt Ion: 98 Resp: 314587
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



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

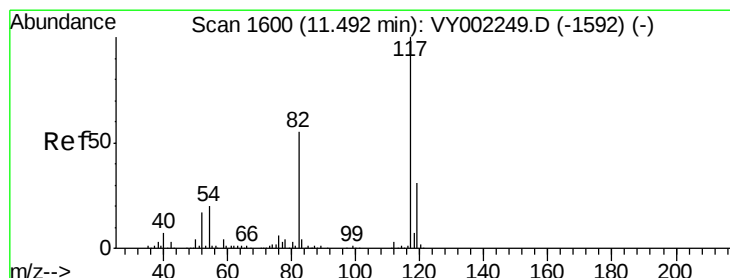
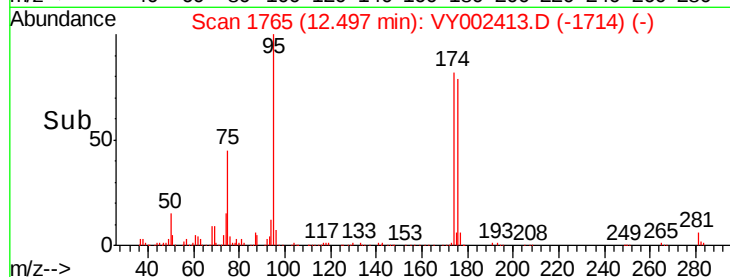
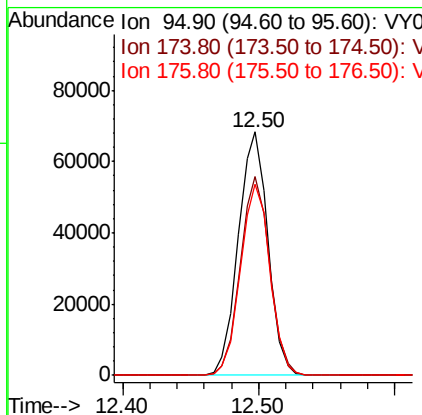
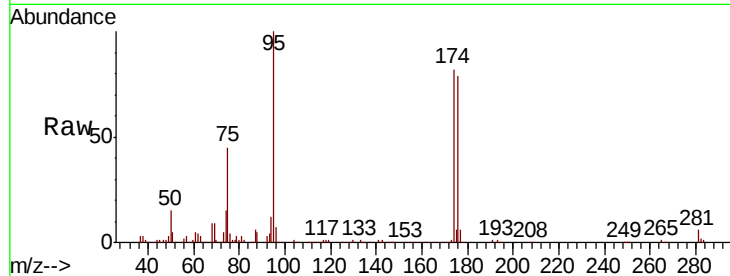




#62
4-Bromofluorobenzene
Concen: 46.765 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY002413.D
Acq: 17 Apr 2020 20:25

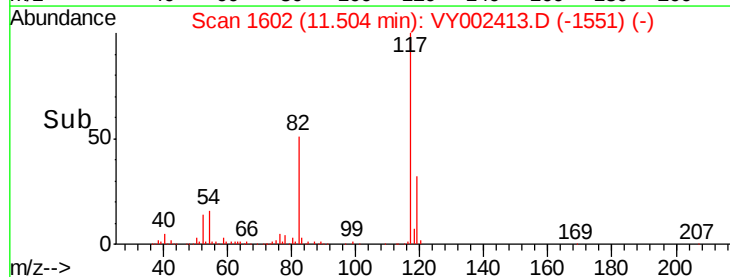
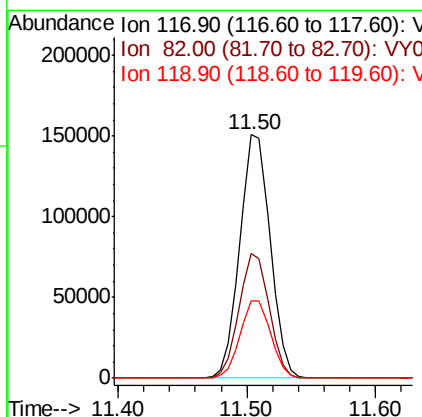
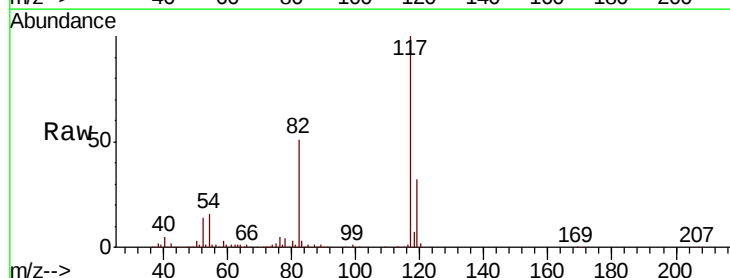
Instrument :
MSVOA_Y
ClientSampleId :

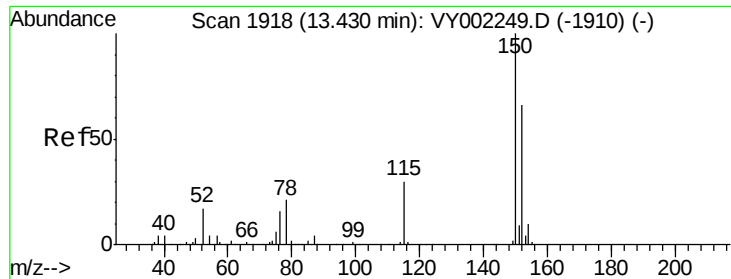
Tot Ion: 95 Resp: 103453
Ion Ratio Lower Upper
95 100
174 81.4 0.0 150.6
176 78.4 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002413.D
Acq: 17 Apr 2020 20:25

Tgt Ion: 117 Resp: 246330
Ion Ratio Lower Upper
117 100
82 51.0 44.2 66.4
119 31.6 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY002413.D

Acq: 17 Apr 2020 20:25

Instrument :

MSVOA_Y

ClientSampleId :

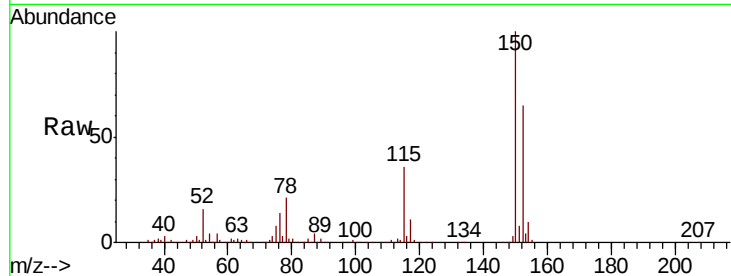
Tot Ion:152 Resp: 114377

Ion Ratio Lower Upper

152 100

115 58.2 30.7 92.1

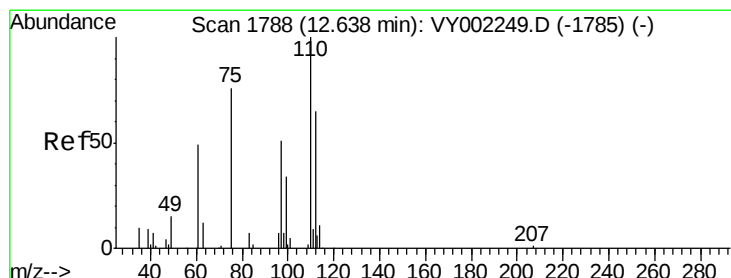
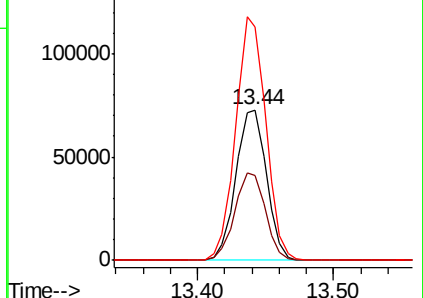
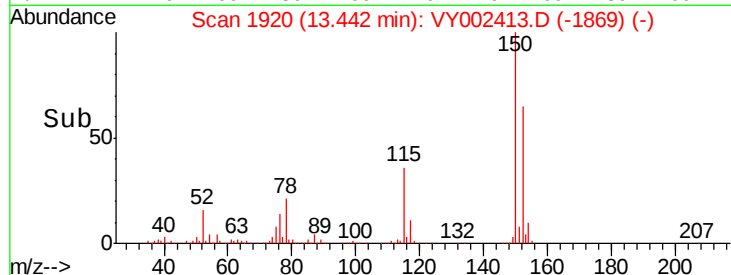
150 158.7 0.0 350.6



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: 36.087 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.14 min

Lab File: VY002413.D

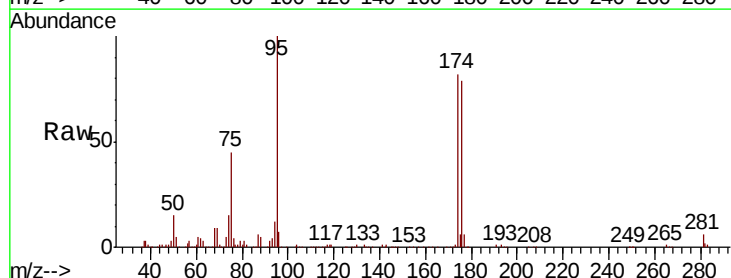
Acq: 17 Apr 2020 20:25

Tgt Ion: 75 Resp: 47930

Ion Ratio Lower Upper

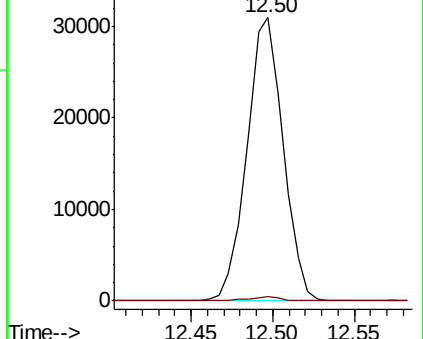
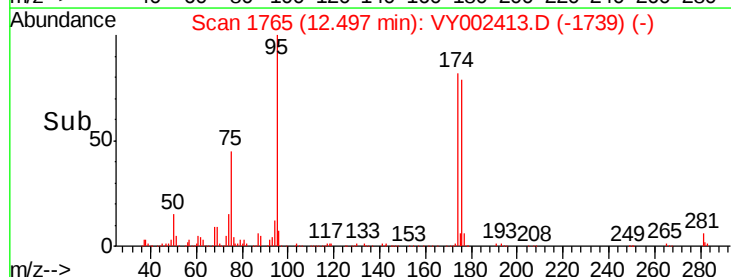
75 100

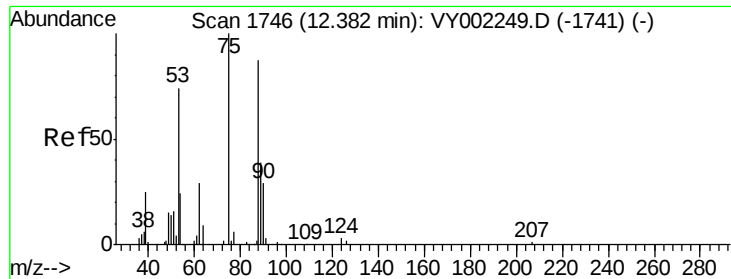
77 1.4 0.0 0.0#



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: 70.189 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.12 min

Lab File: VY002413.D

Acq: 17 Apr 2020 20:25

Instrument :

MSVOA_Y

ClientSampleId :

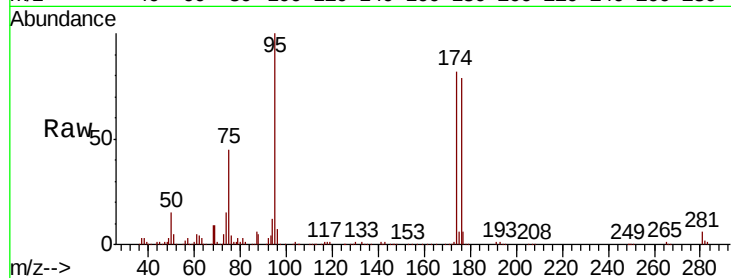
Tot Ion: 75 Resp: 47930

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.0 37.0 55.6#



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

