

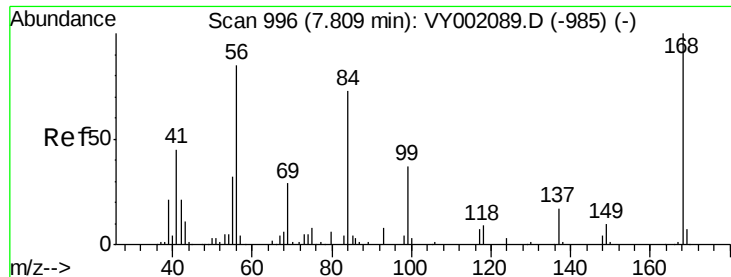
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
 Data File : VY002215.D
 Acq On : 03 Apr 2020 13:21
 Operator : SY/MD
 Sample : L2132-11RE
 Misc : 4.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLEAN-GRAVEL

Quant Time: Apr 04 00:18:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	125140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	247021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	234582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	104541	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	80007	57.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.66%	
35) Dibromofluoromethane	7.74	113	72823	52.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.22%	
50) Toluene-d8	10.19	98	303797	52.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.49	95	105493	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.75	84	2978	Below Cal	#	85
31) Cyclohexane	7.82	56	2910	1.010	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	10737	4.595	ug/l #	50
38) Carbon Tetrachloride	7.82	117	12802	6.458	ug/l #	17
51) 4-Methyl-2-Pentanone	10.19	43	1412	1.046	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	54452	46.565	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	54452	90.212	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002215.D

Acq: 03 Apr 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

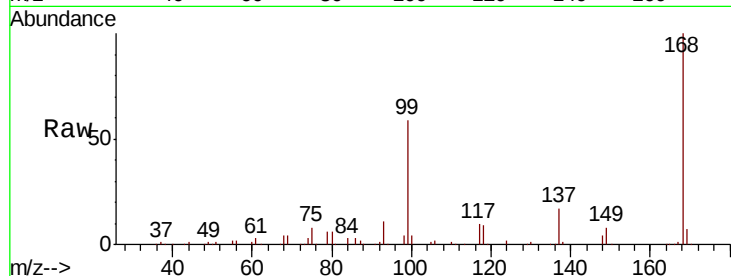
CLEAN-GRAVEL

Tot Ion:168 Resp: 125140

Ion Ratio Lower Upper

168 100

99 58.7 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002089.D (-985) (-)

7.82

60000

50000

40000

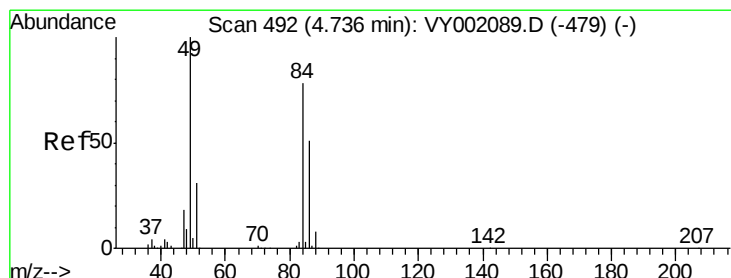
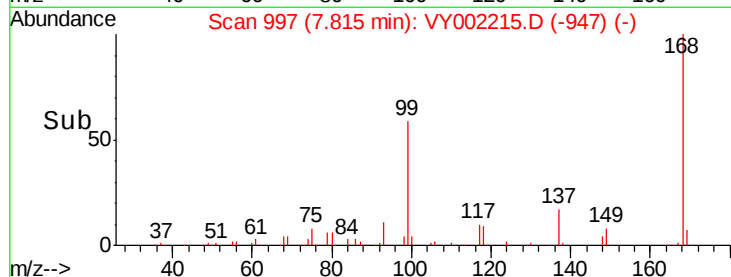
30000

20000

10000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002215.D

Acq: 03 Apr 2020 13:21

Tgt Ion: 84 Resp: 2978

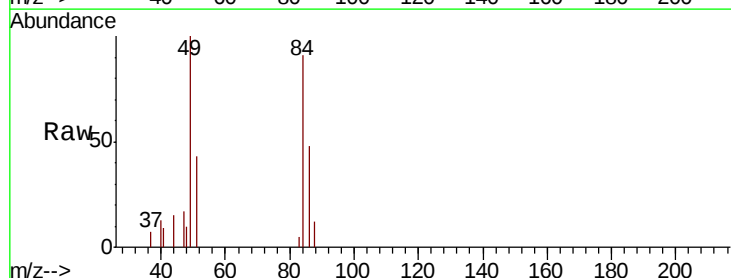
Ion Ratio Lower Upper

84 100

49 109.8 102.2 153.4

51 47.1 31.2 46.8#

86 52.8 52.6 78.8



Abundance Ion 83.90 (83.60 to 84.60): VY002089.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002089.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002089.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002089.D (-479) (-)

4.75

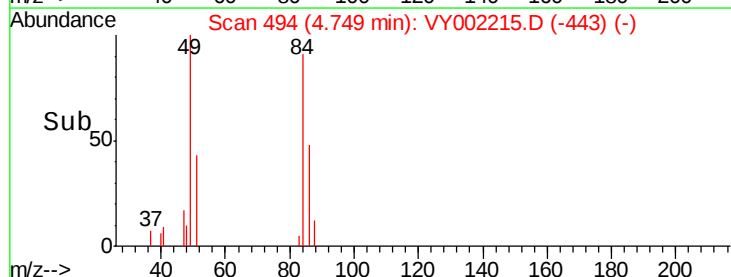
1500

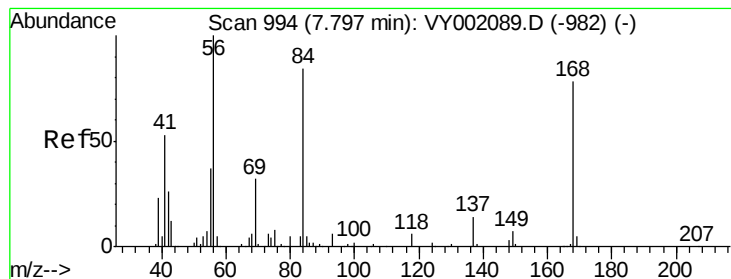
1000

500

0

Time-->





#31

Cyclohexane

Concen: 1.010 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.02 min

Lab File: VY002215.D

Acq: 03 Apr 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

CLEAN-GRAVEL

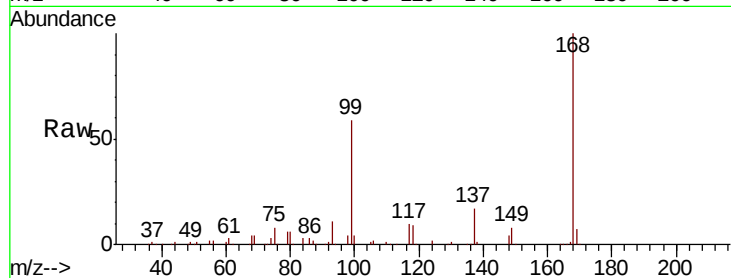
Tot Ion: 56 Resp: 2910

Ion Ratio Lower Upper

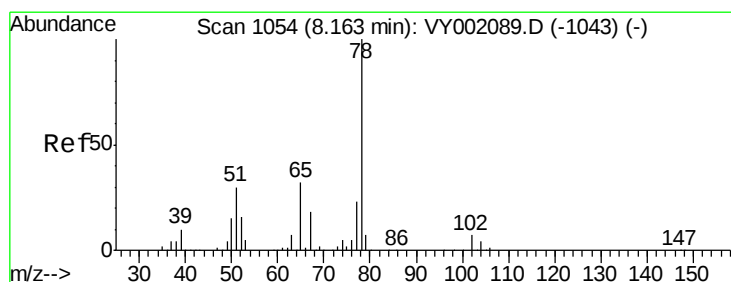
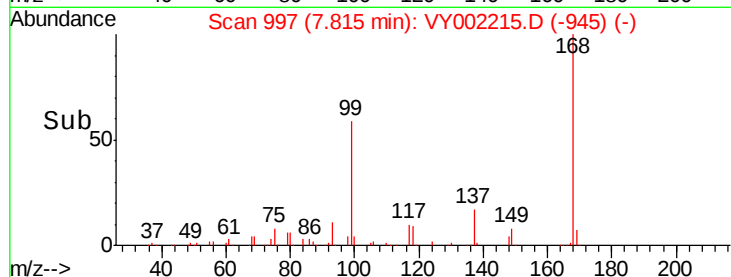
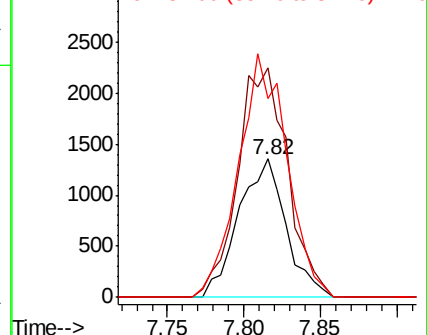
56 100

69 165.8 25.8 38.8#

84 144.2 67.1 100.7#



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



#33

1,2-Dichloroethane-d4

Concen: 57.834 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002215.D

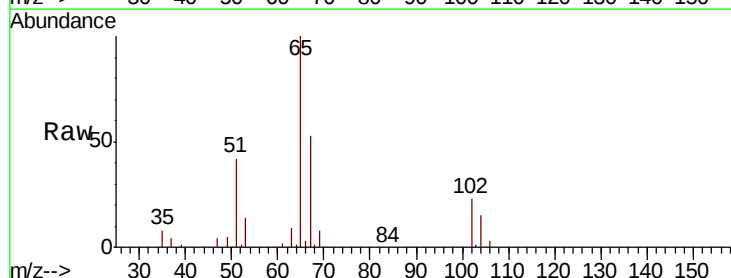
Acq: 03 Apr 2020 13:21

Tgt Ion: 65 Resp: 80007

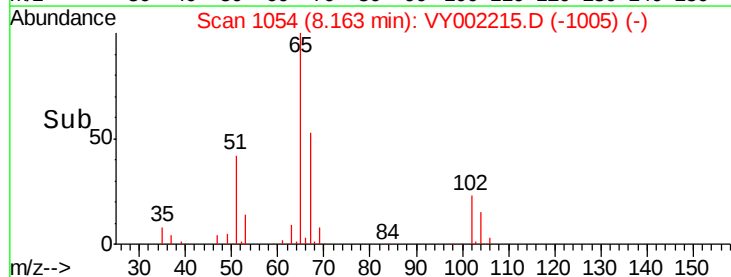
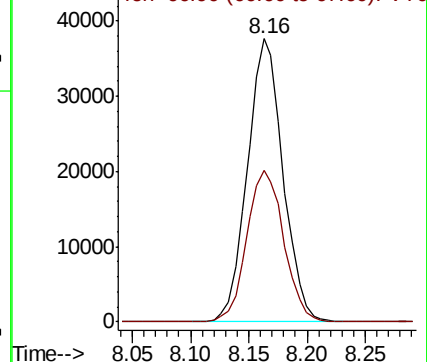
Ion Ratio Lower Upper

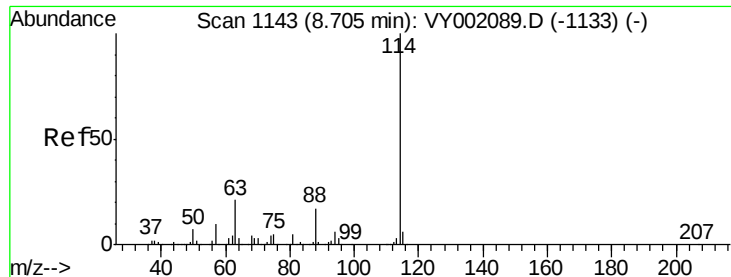
65 100

67 55.5 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002215.D

Acq: 03 Apr 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

CLEAN-GRAVEL

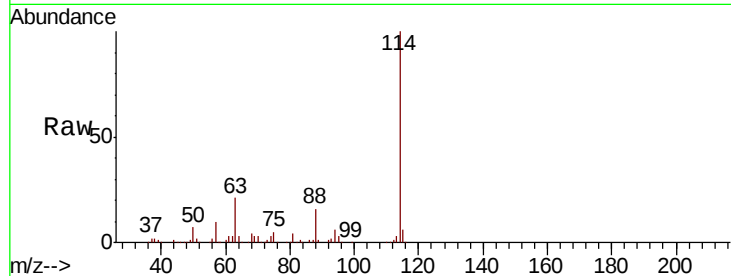
Tot Ion:114 Resp: 247021

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

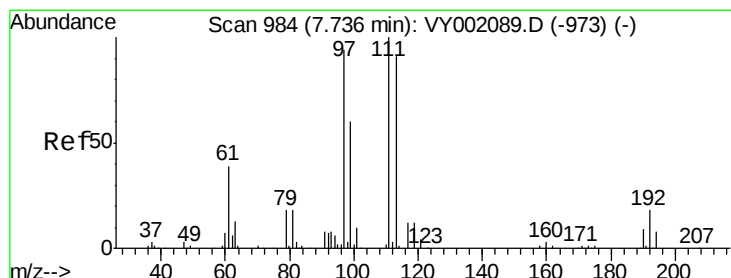
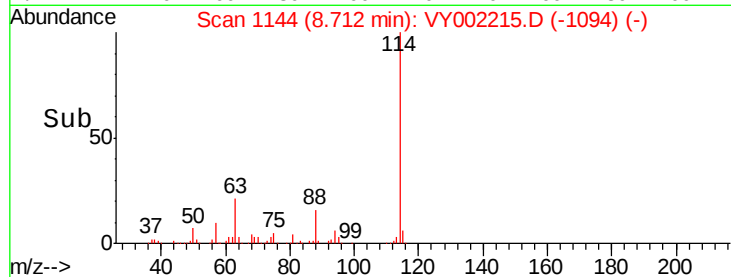
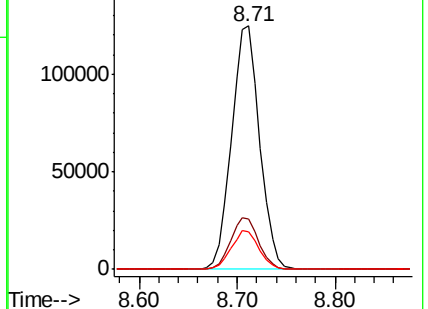
88 15.6 0.0 33.0



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: 52.614 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002215.D

Acq: 03 Apr 2020 13:21

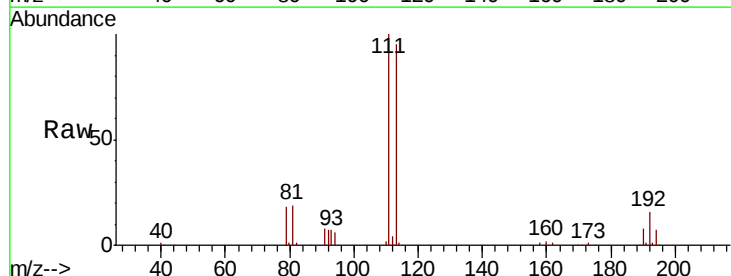
Tgt Ion:113 Resp: 72823

Ion Ratio Lower Upper

113 100

111 104.3 84.4 126.6

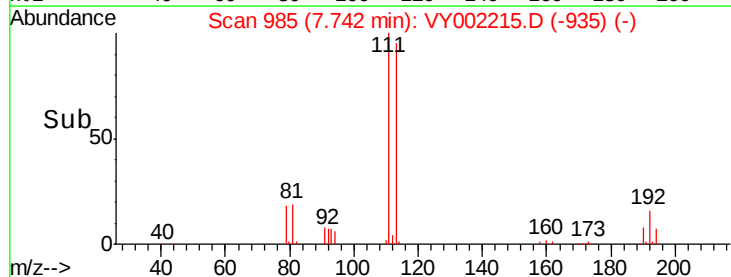
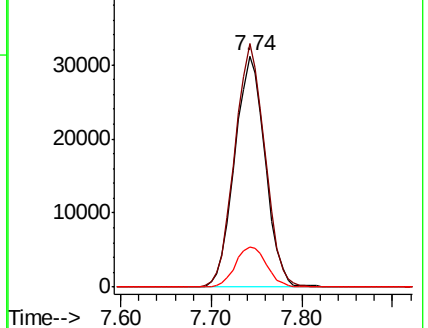
192 17.8 14.6 21.8

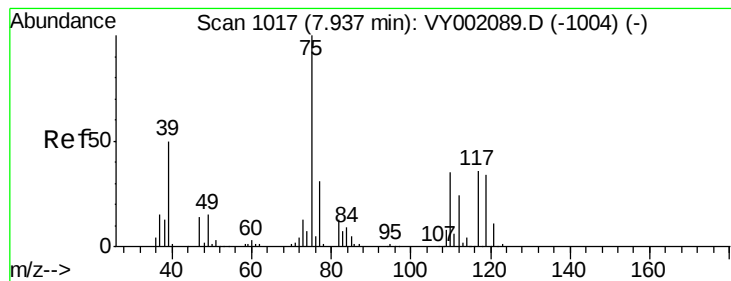


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.595 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY002215.D

Acq: 03 Apr 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

CLEAN-GRAVEL

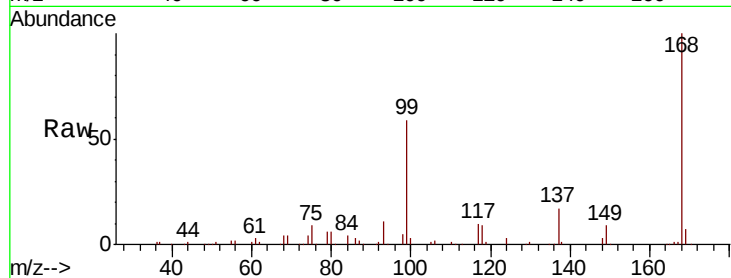
Tot Ion: 75 Resp: 10737

Ion Ratio Lower Upper

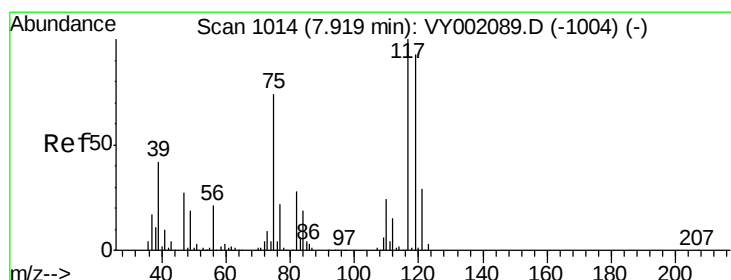
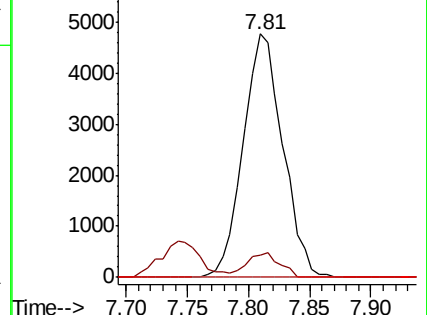
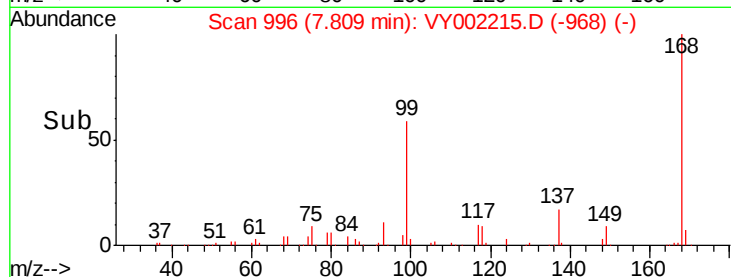
75 100

110 8.3 17.2 51.6#

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY002215.D (-968) (-)



#38

Carbon Tetrachloride

Concen: 6.458 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002215.D

Acq: 03 Apr 2020 13:21

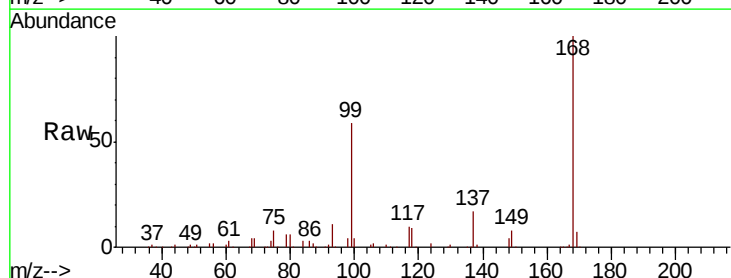
Tgt Ion: 117 Resp: 12802

Ion Ratio Lower Upper

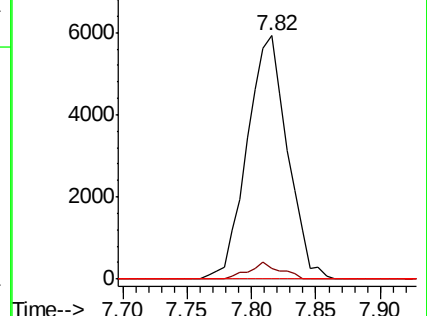
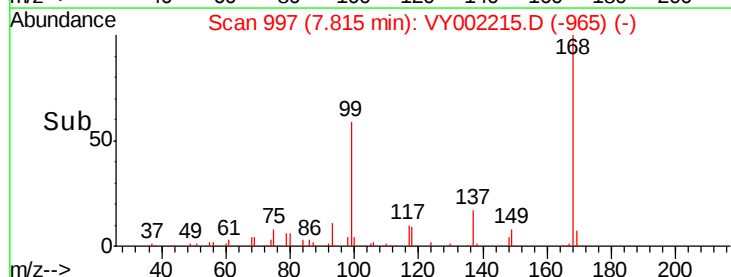
117 100

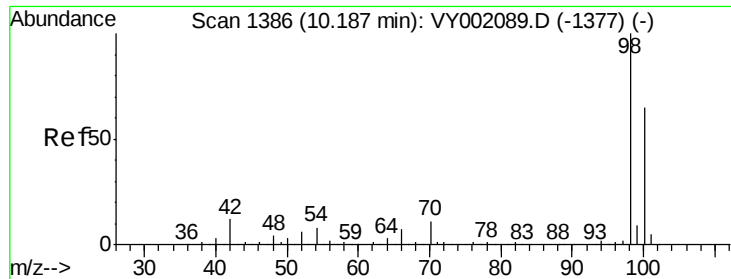
119 4.1 74.3 111.5#

121 0.0 23.3 34.9#



Abundance Ion 116.80 (116.50 to 117.50): VY002215.D (-965) (-)





#50

Toluene-d8

Concen: 52.835 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002215.D

Acq: 03 Apr 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

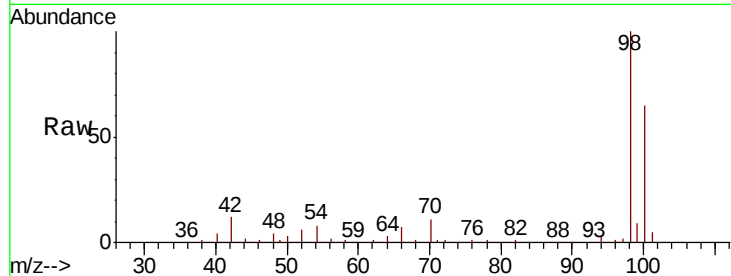
CLEAN-GRAVEL

Tot Ion: 98 Resp: 303797

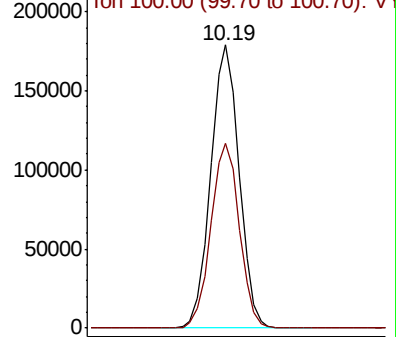
Ion Ratio Lower Upper

98 100

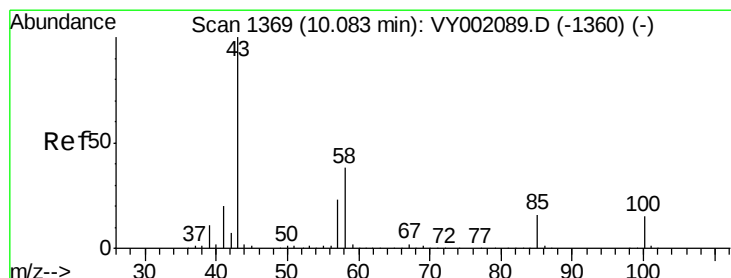
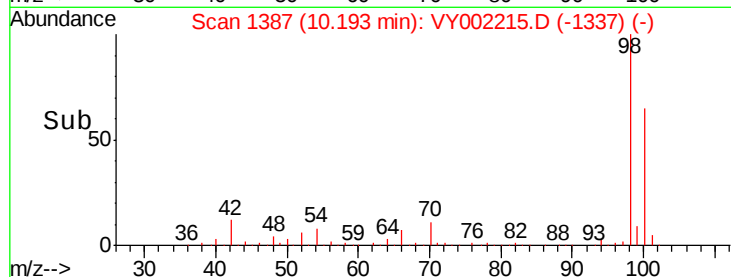
100 65.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY002089.D (-1377) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.046 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002215.D

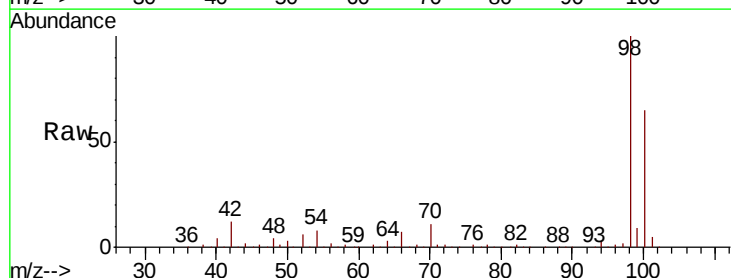
Acq: 03 Apr 2020 13:21

Tgt Ion: 43 Resp: 1412

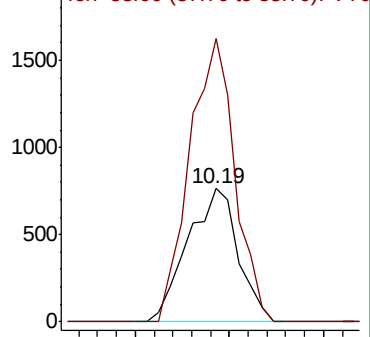
Ion Ratio Lower Upper

43 100

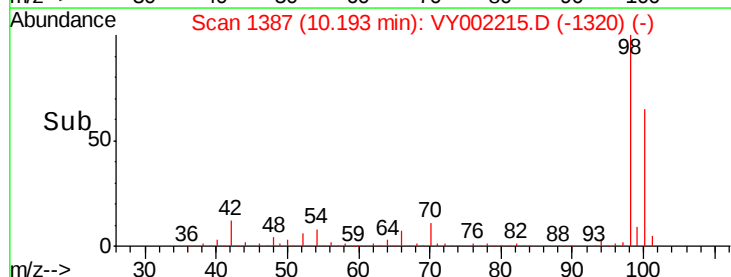
58 190.9 31.6 47.4#

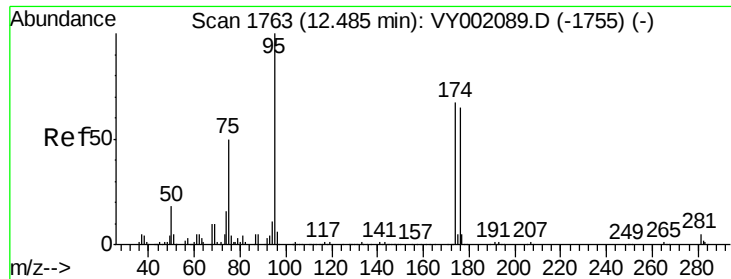


Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-1360) (-)



Time-->

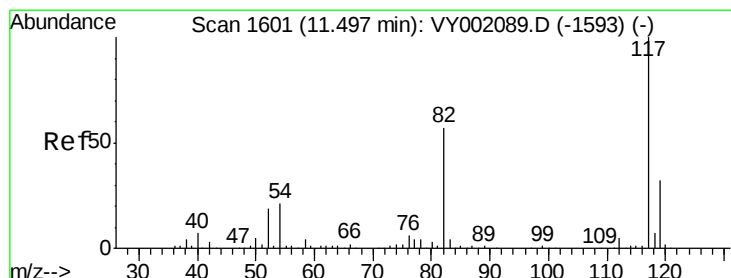
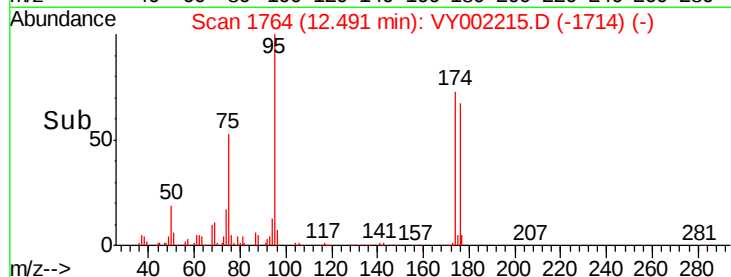
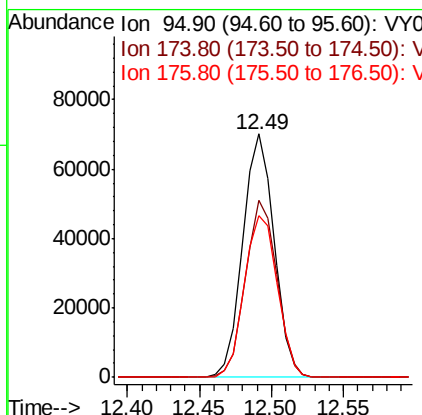
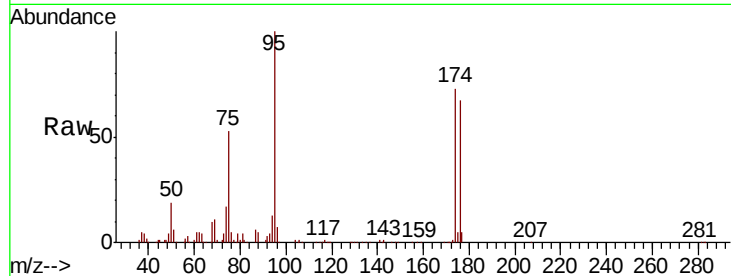




#62
4-Bromofluorobenzene
Concen: 52.460 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002215.D
Acq: 03 Apr 2020 13:21

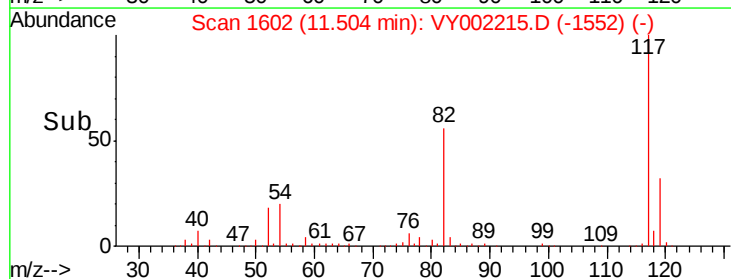
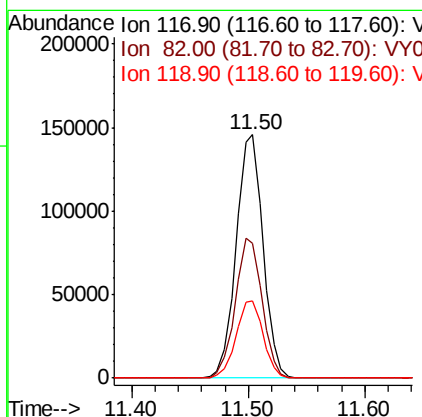
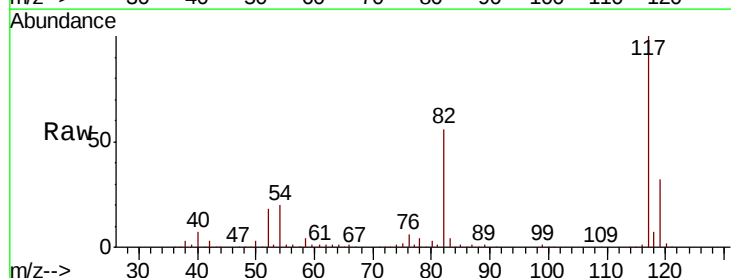
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-GRAVEL

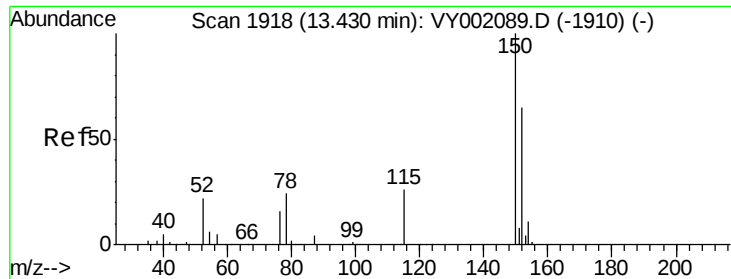
Tot Ion: 95 Resp: 105493
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.4
176 70.0 0.0 137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002215.D
Acq: 03 Apr 2020 13:21

Tgt Ion: 117 Resp: 234582
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.2
119 31.7 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002215.D

Acq: 03 Apr 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

CLEAN-GRAVEL

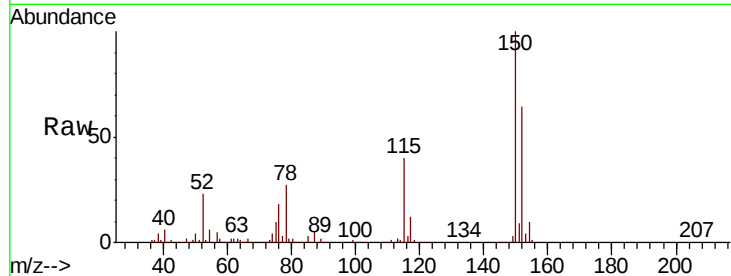
Tot Ion:152 Resp: 104541

Ion Ratio Lower Upper

152 100

115 61.9 31.2 93.6

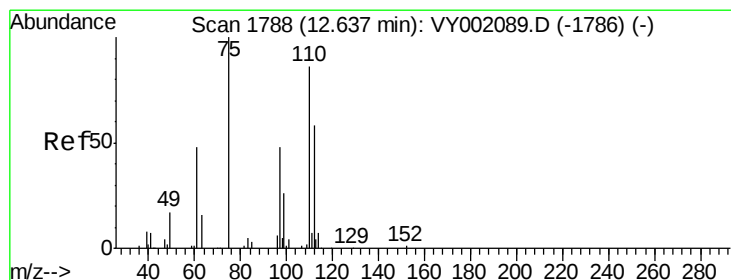
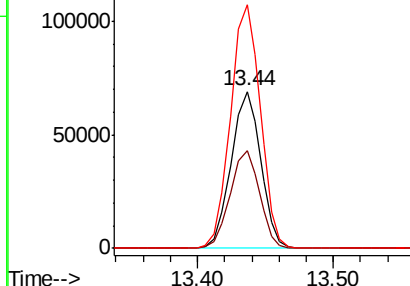
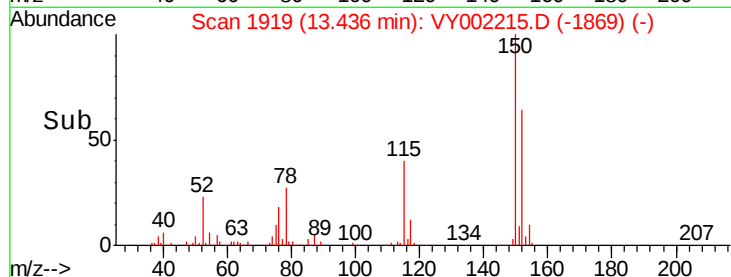
150 156.5 0.0 354.8



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: 46.565 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002215.D

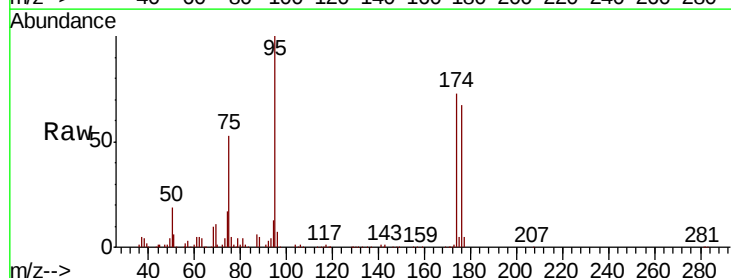
Acq: 03 Apr 2020 13:21

Tgt Ion: 75 Resp: 54452

Ion Ratio Lower Upper

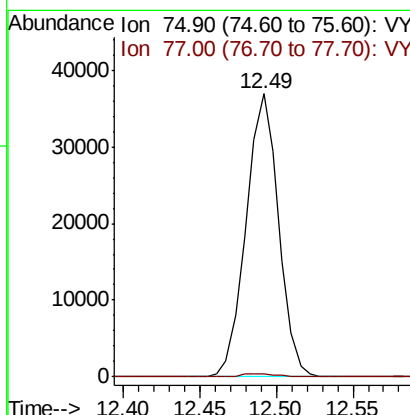
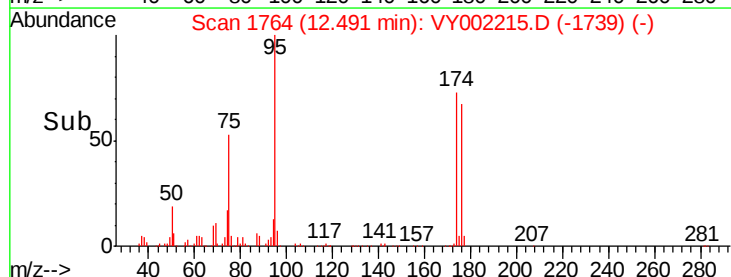
75 100

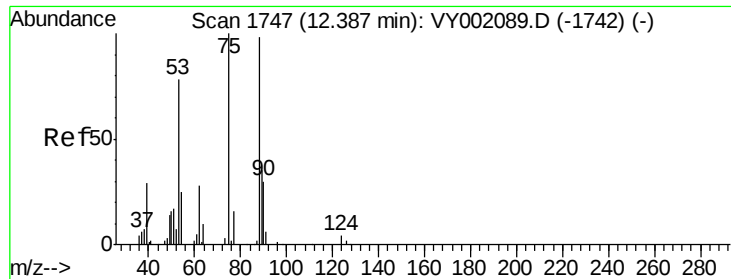
77 1.2 0.0 0.0#



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: 90.212 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002215.D

Acq: 03 Apr 2020 13:21

Instrument :

MSVOA_Y

ClientSampleId :

CLEAN-GRAVEL

Tot Ion: 75 Resp: 54452

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.1 33.4 50.0#

