

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY100919\
 Data File : VY000238.D
 Acq On : 09 Oct 2019 12:43
 Operator : SY/MD
 Sample : VY1009WBL02
 Misc : 5.0ml/MSVOA_Y/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009WBL02

Quant Time: Oct 10 01:43:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 09:24:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	277892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	451577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	398410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	184839	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	172279	48.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.40%	
35) Dibromofluoromethane	7.74	113	136016	48.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.68%	
50) Toluene-d8	10.19	98	532958	48.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.48	95	182037	46.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.34%	

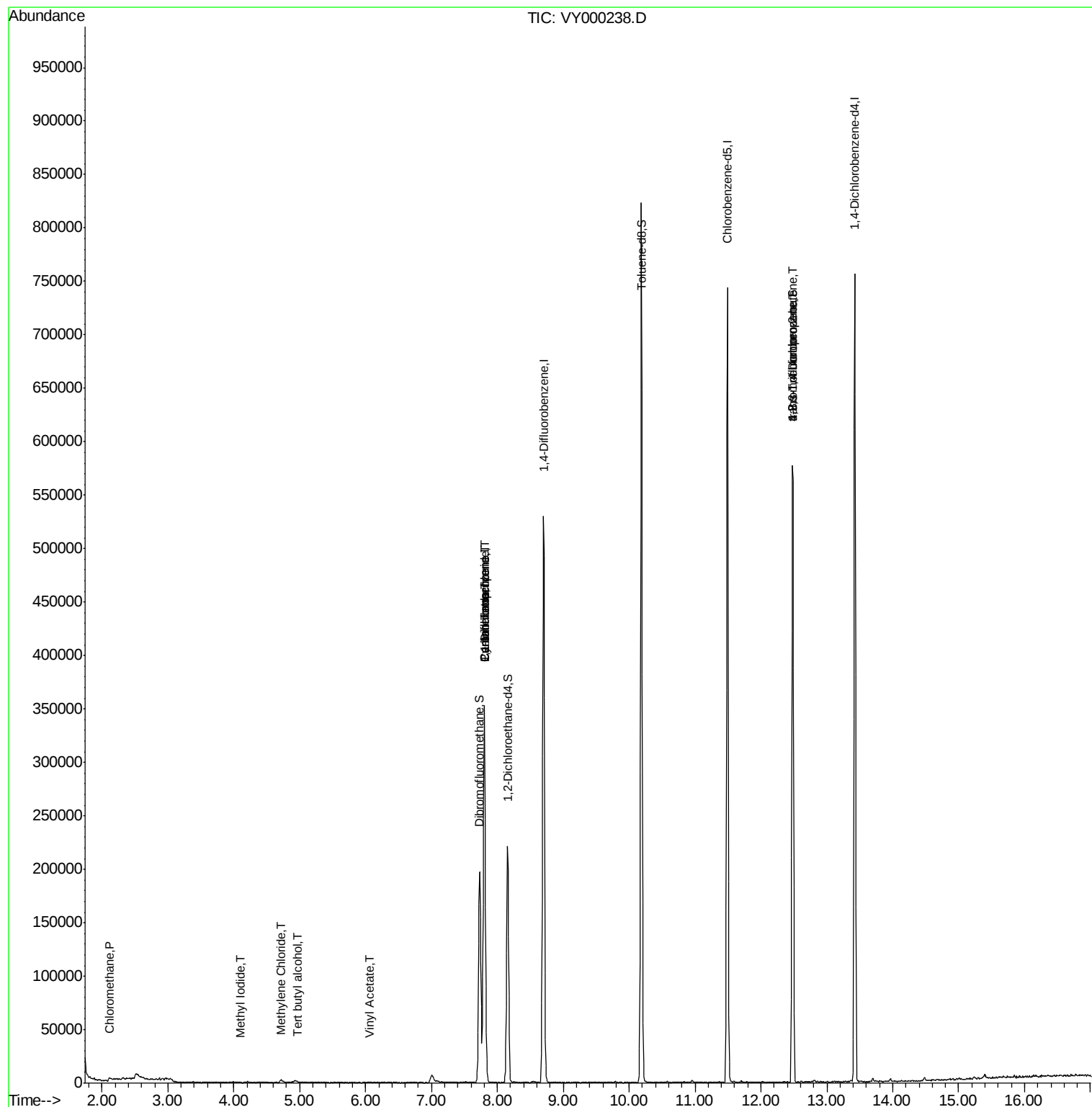
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	805	0.213	ug/l	92
10) Methyl Iodide	4.10	142	37	0.581	ug/l #	42
11) Tert butyl alcohol	4.96	59	2000	1.030	ug/l #	73
20) Methylene Chloride	4.71	84	2323	0.625	ug/l #	64
23) Vinyl Acetate	6.07	43	112	2.316	ug/l #	72
31) Cyclohexane	7.80	56	5931	0.965	ug/l #	9
36) 1,1-Dichloropropene	7.80	75	21607	4.703	ug/l #	50
38) Carbon Tetrachloride	7.80	117	26168	5.843	ug/l #	15
59) 2-Hexanone	10.84	43	126	Below Cal		91
76) 1,2,3-Trichloropropane	12.48	75	97096	19.896	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	97096	38.803	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.30	75	25	Below Cal	#	1

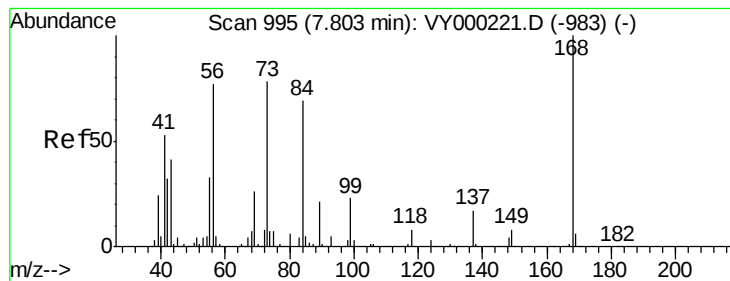
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY100919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000238.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_Y

ClientSampleId :

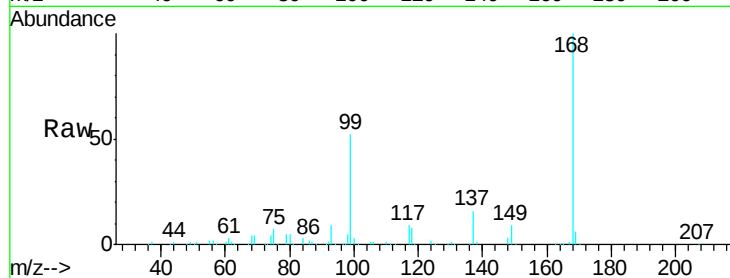
VY1009WBL02

Tgt Ion:168 Resp: 277892

Ion Ratio Lower Upper

168 100

99 52.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000221.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000221.D (-983) (-)

7.80

150000

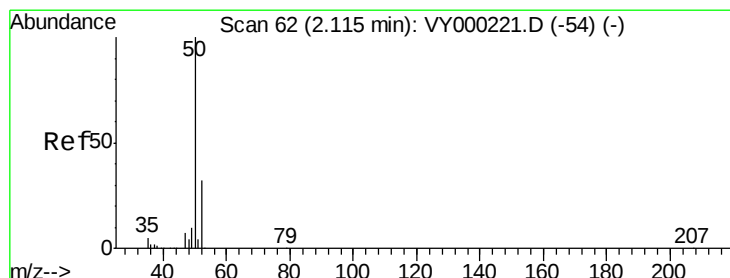
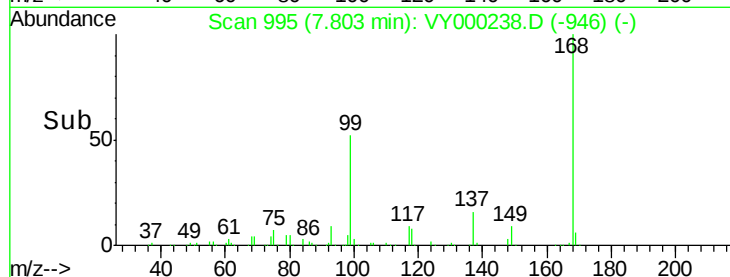
100000

50000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: 0.213 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000238.D

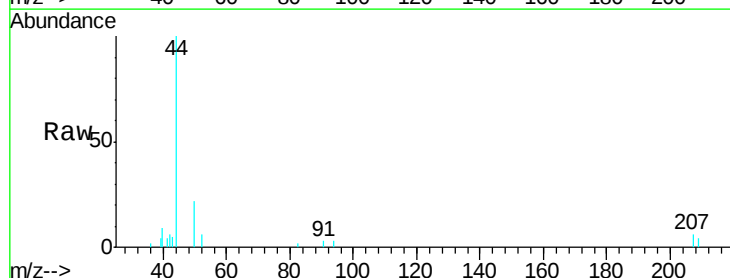
Acq: 09 Oct 2019 12:43

Tgt Ion: 50 Resp: 805

Ion Ratio Lower Upper

50 100

52 27.0 25.4 38.0



Abundance Ion 49.90 (49.60 to 50.60): VY000221.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000221.D (-54) (-)

2.11

600

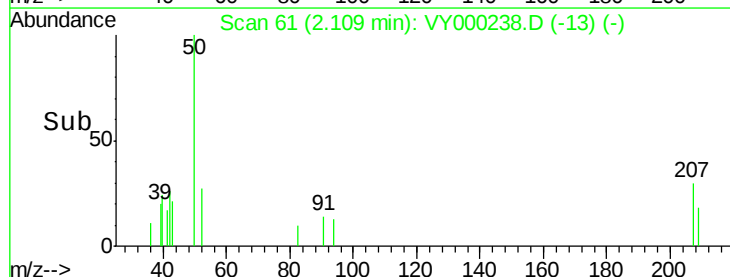
400

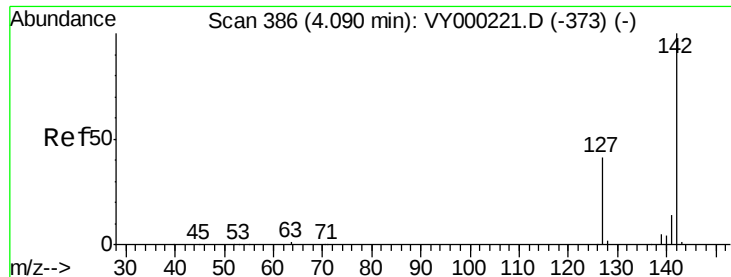
200

0

2.10 2.15

Time-->

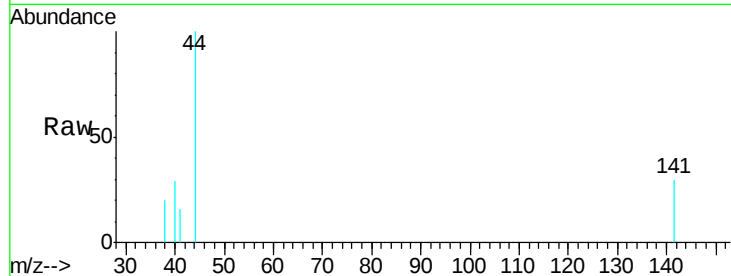




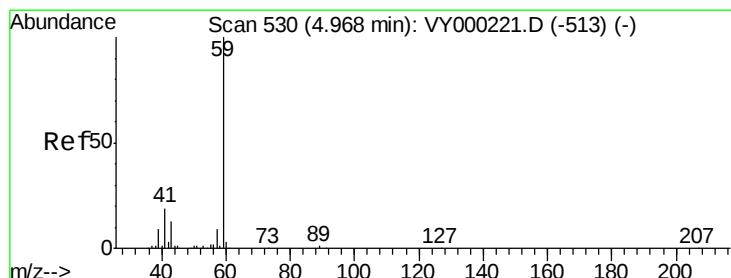
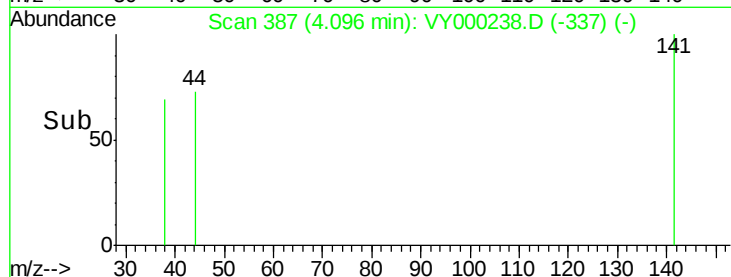
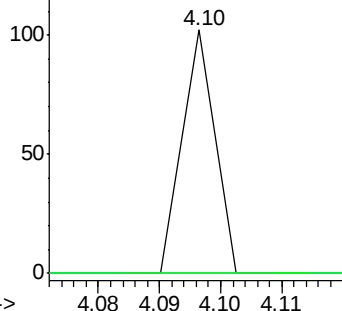
#10
Methyl Iodide
Concen: 0.581 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.01 min
Lab File: VY000238.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_Y
ClientSampled :
VY1009WBL02

Tgt Ion: 142 Resp: 37
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.0 16.4#

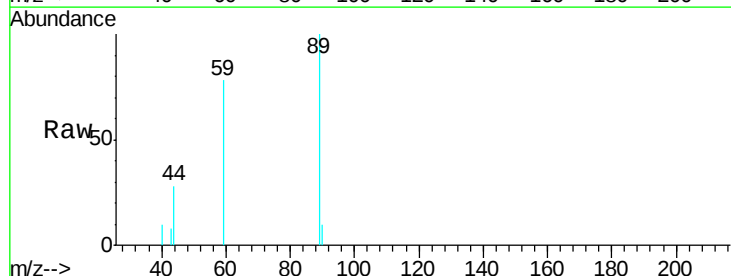


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

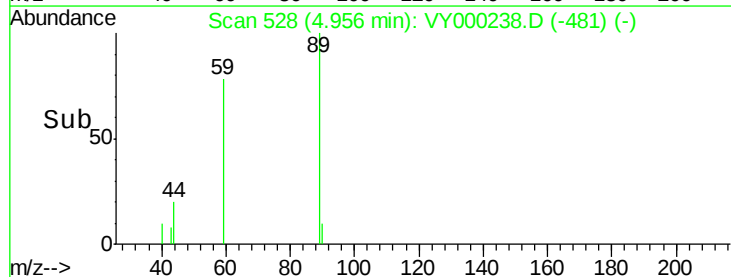
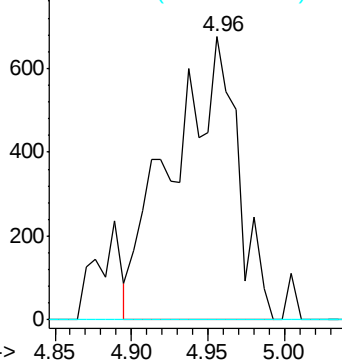


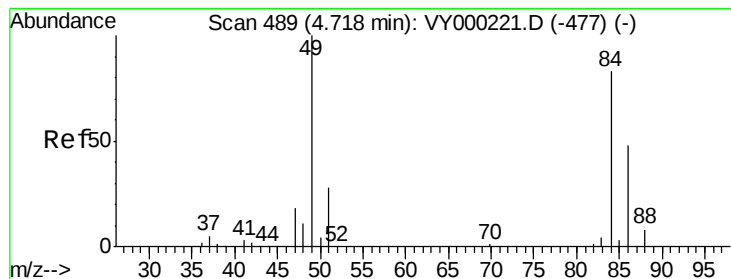
#11
Tert butyl alcohol
Concen: 1.030 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000238.D
Acq: 09 Oct 2019 12:43

Tgt Ion: 59 Resp: 2000
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0





#20

Methylene Chloride

Concen: 0.625 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000238.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1009WBL02

Tgt Ion: 84 Resp: 2323

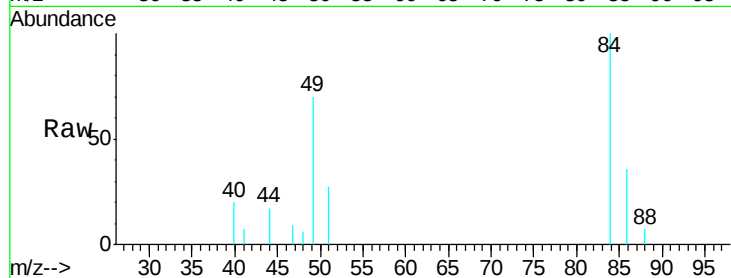
Ion Ratio Lower Upper

84 100

49 69.9 96.2 144.2#

51 27.1 26.6 39.8

86 35.6 46.7 70.1#

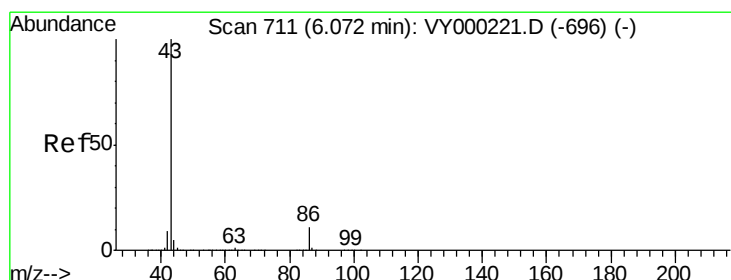
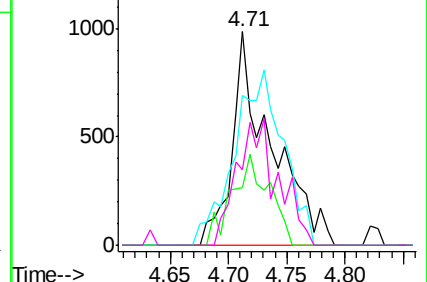
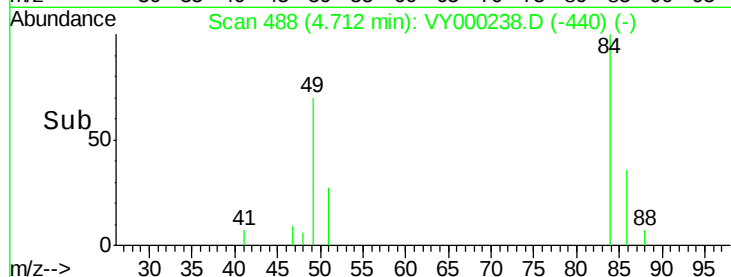


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#23

Vinyl Acetate

Concen: 2.316 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000238.D

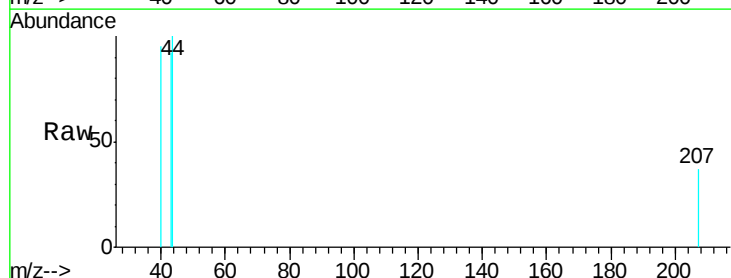
Acq: 09 Oct 2019 12:43

Tgt Ion: 43 Resp: 112

Ion Ratio Lower Upper

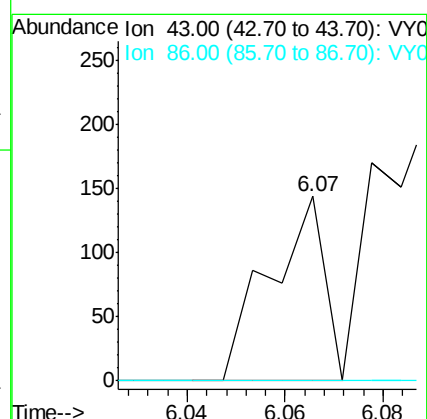
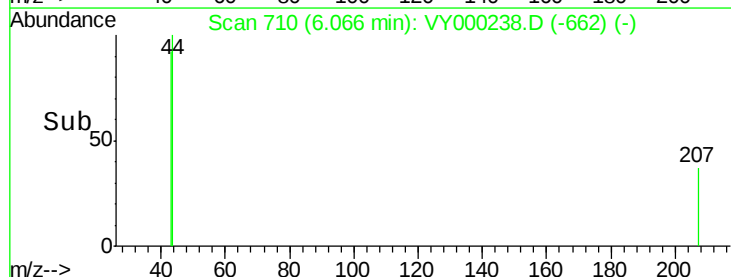
43 100

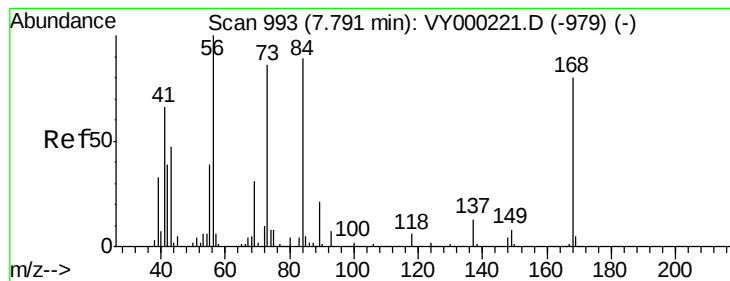
86 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#31

Cyclohexane

Concen: 0.965 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000238.D

Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_Y
ClientSampleId :
VY1009WBL02

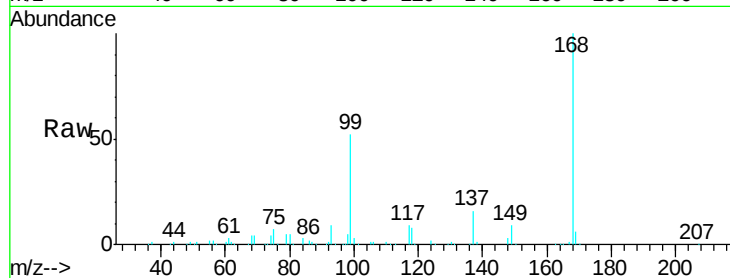
Tgt Ion: 56 Resp: 5931

Ion Ratio Lower Upper

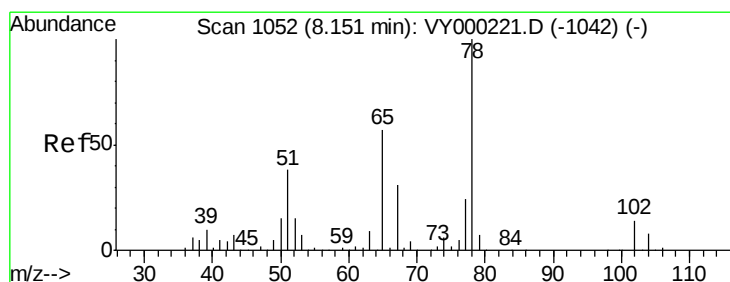
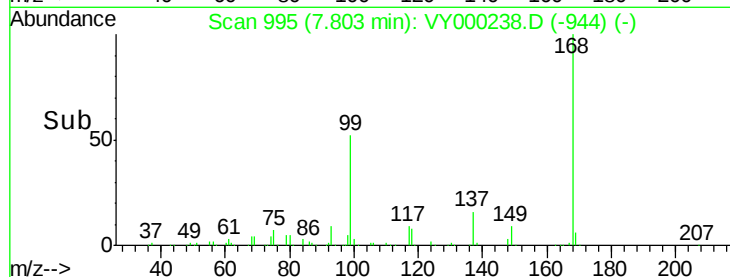
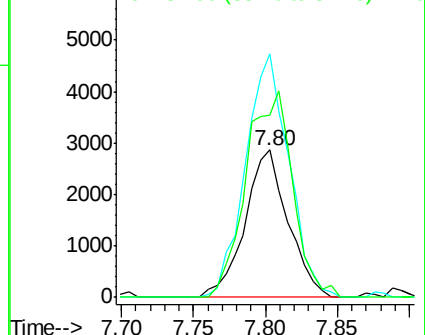
56 100

69 165.3 24.7 37.1#

84 123.8 71.3 106.9#



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: 48.202 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000238.D

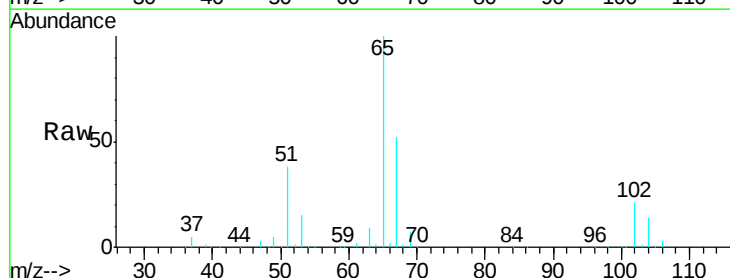
Acq: 09 Oct 2019 12:43

Tgt Ion: 65 Resp: 172279

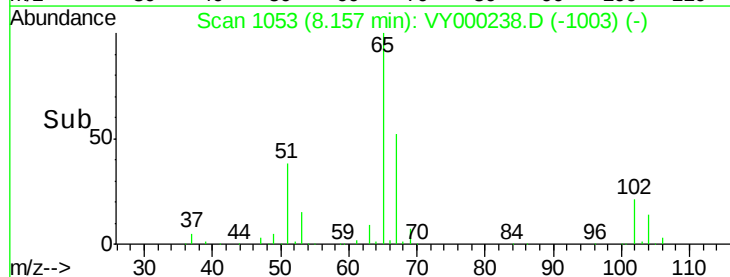
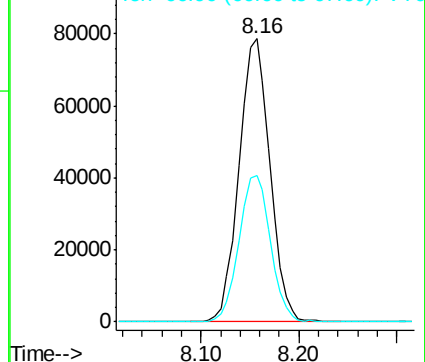
Ion Ratio Lower Upper

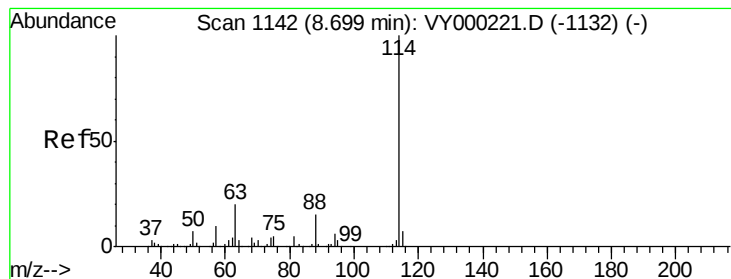
65 100

67 52.7 0.0 109.0



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: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000238.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1009WBL02

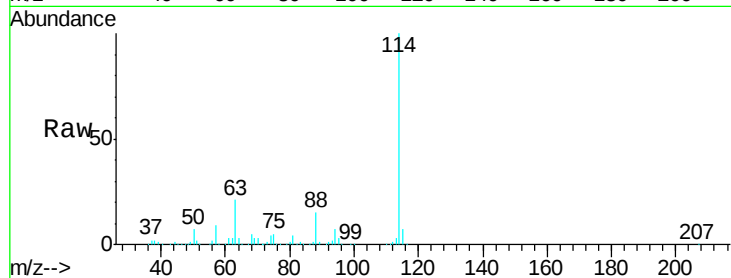
Tgt Ion:114 Resp: 451577

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

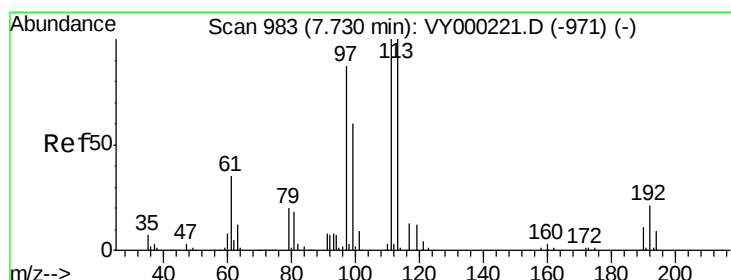
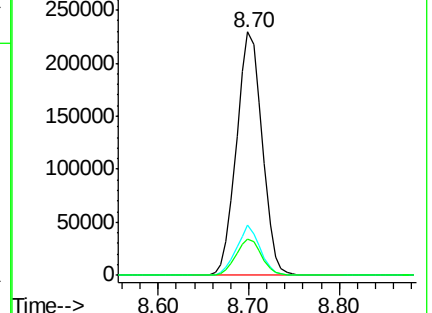
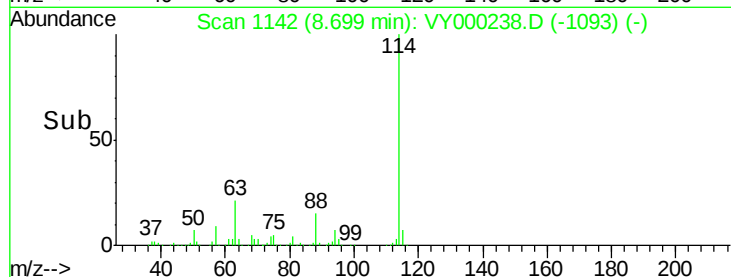
88 14.7 0.0 30.6



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: 48.341 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000238.D

Acq: 09 Oct 2019 12:43

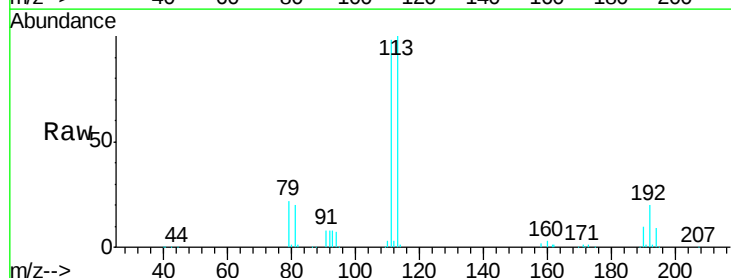
Tgt Ion:113 Resp: 136016

Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

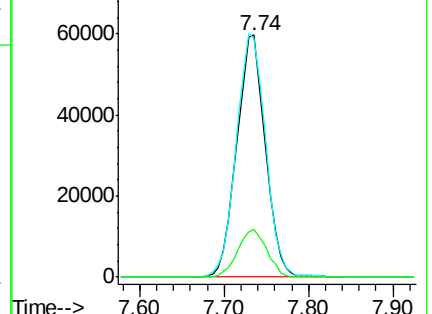
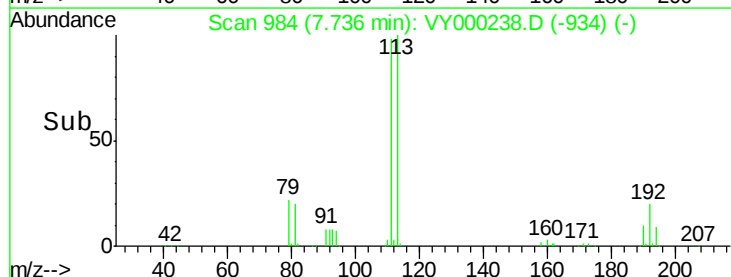
192 20.2 15.8 23.8

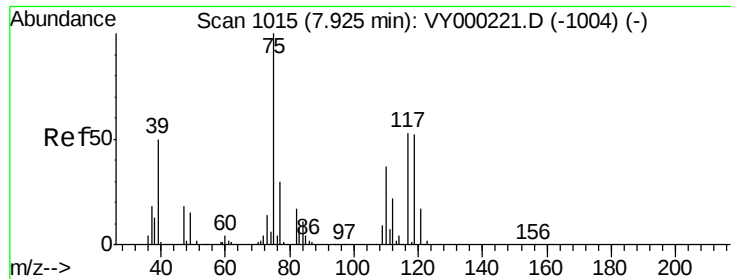


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

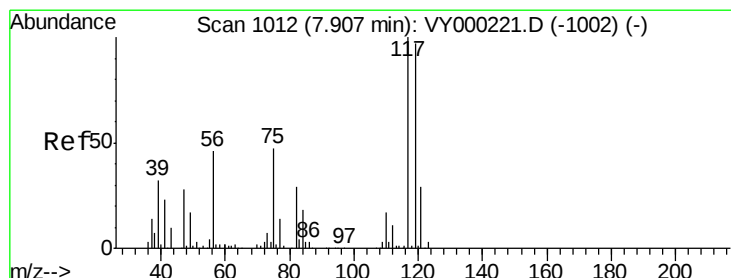
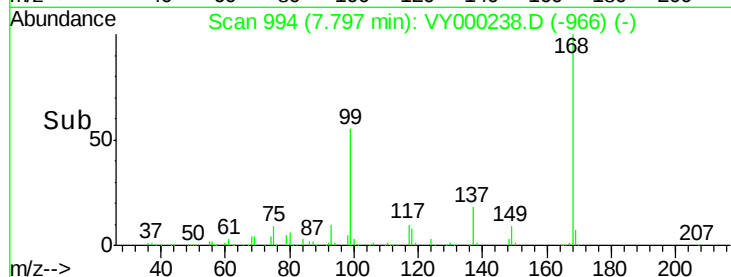
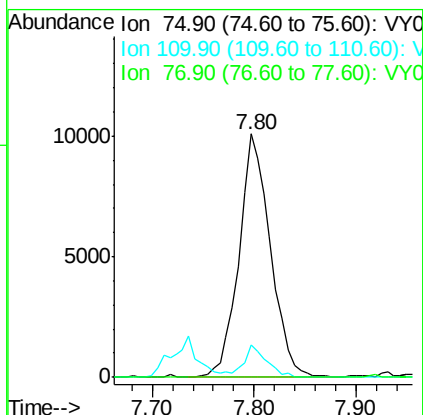
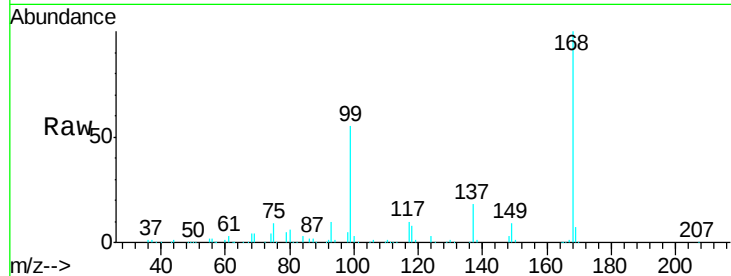




#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000238.D
 Acq: 09 Oct 2019 12:43

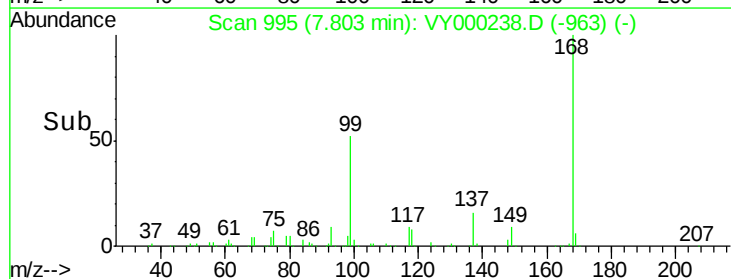
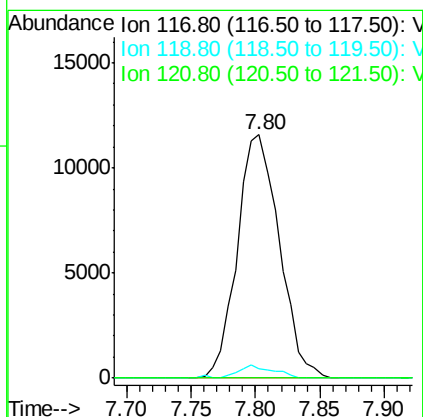
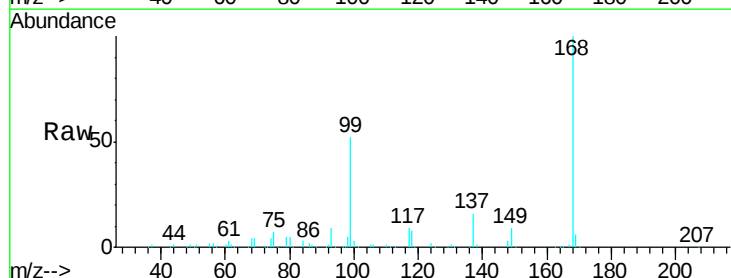
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009WBL02

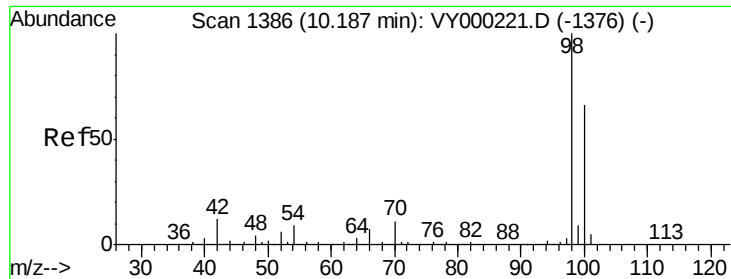
Tgt Ion: 75 Resp: 21607
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.4 55.2#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.843 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY000238.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 117 Resp: 26168
 Ion Ratio Lower Upper
 117 100
 119 3.9 77.2 115.8#
 121 0.0 23.1 34.7#





#50

Toluene-d8

Concen: 48.220 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000238.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_Y

ClientSampleId :

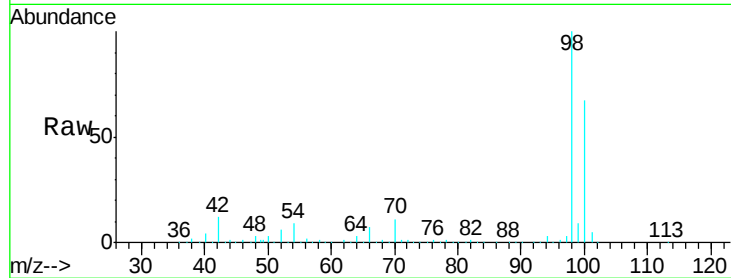
VY1009WBL02

Tgt Ion: 98 Resp: 532958

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY000221.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY000221.D (-1376) (-)

10.19

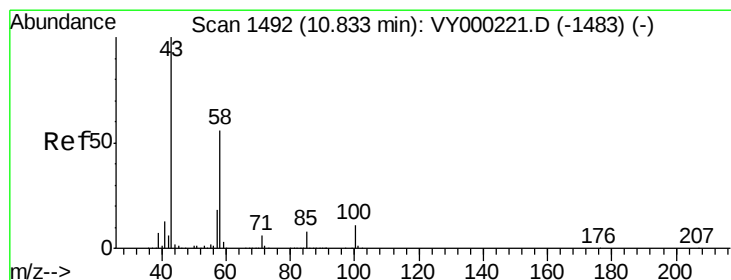
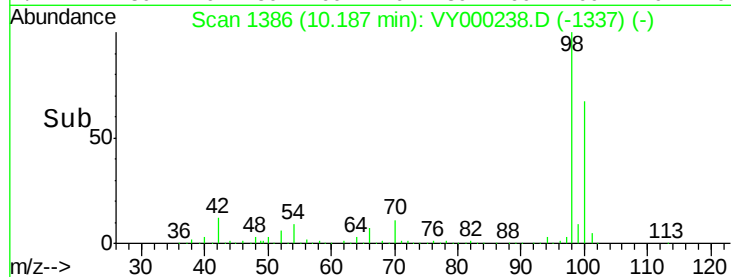
300000

200000

100000

0

Time-->



#59

2-Hexanone

Concen: Below Cal

RT: 10.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VY000238.D

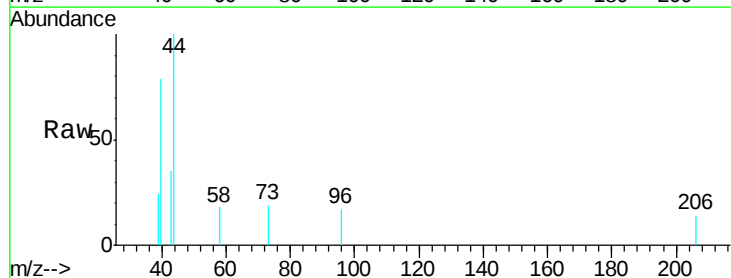
Acq: 09 Oct 2019 12:43

Tgt Ion: 43 Resp: 126

Ion Ratio Lower Upper

43 100

58 50.0 28.2 84.6



Abundance Ion 43.00 (42.70 to 43.70): VY000221.D (-1483) (-)

Ion 58.00 (57.70 to 58.70): VY000221.D (-1483) (-)

10.84

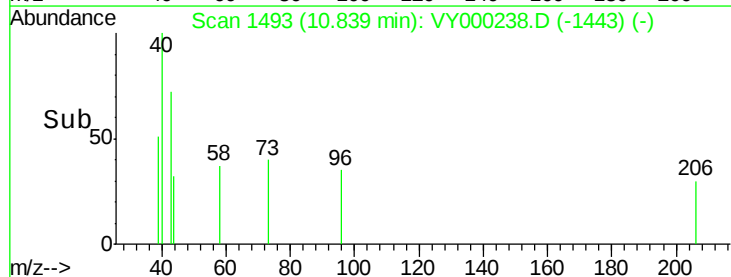
150

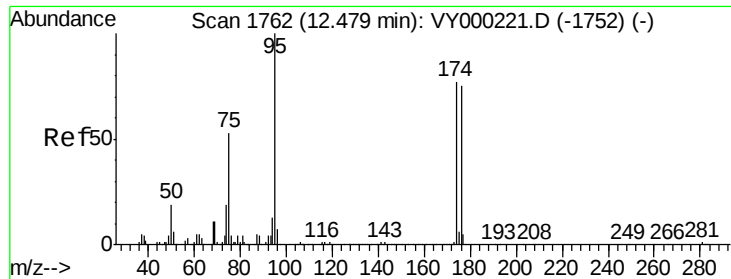
100

50

0

Time-->

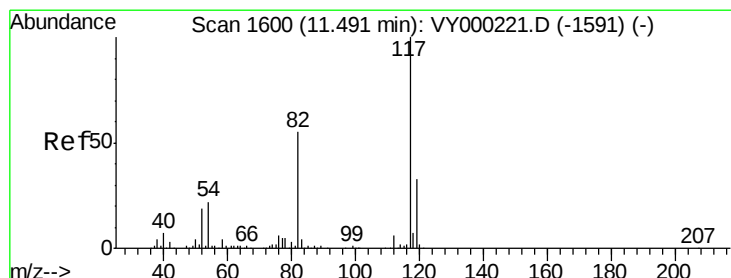
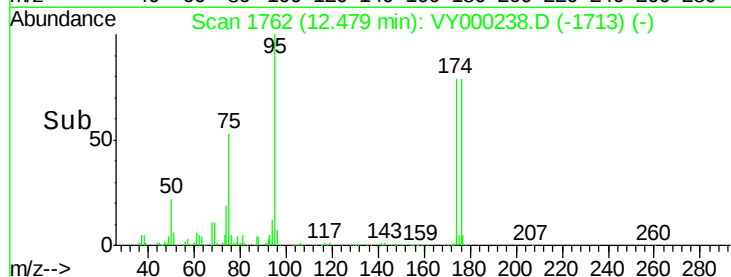
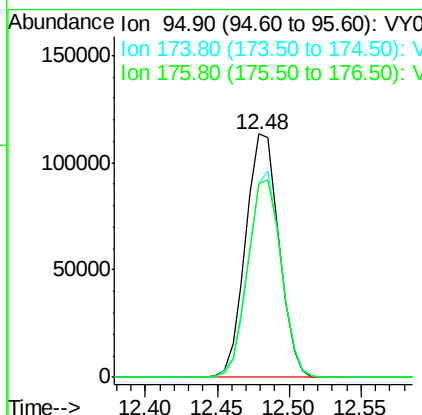
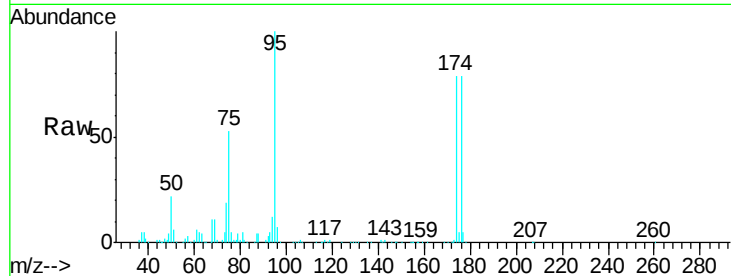




#62
4-Bromofluorobenzene
Concen: 46.666 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000238.D
Acq: 09 Oct 2019 12:43

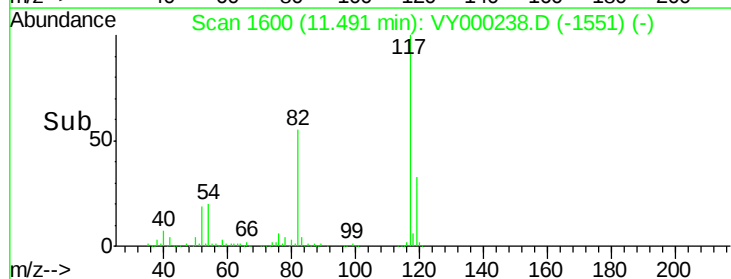
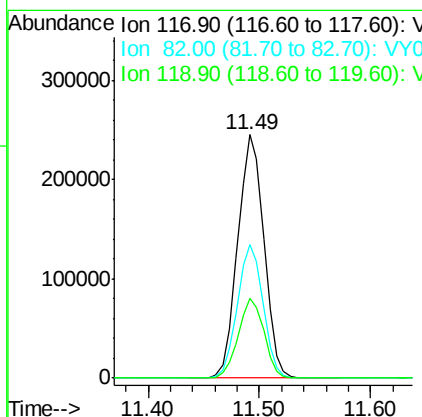
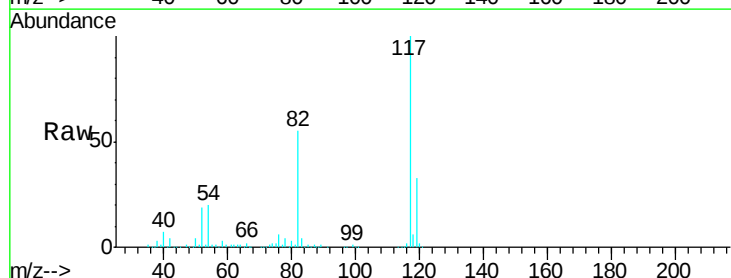
Instrument :
MSVOA_Y
ClientSampleId :
VY1009WBL02

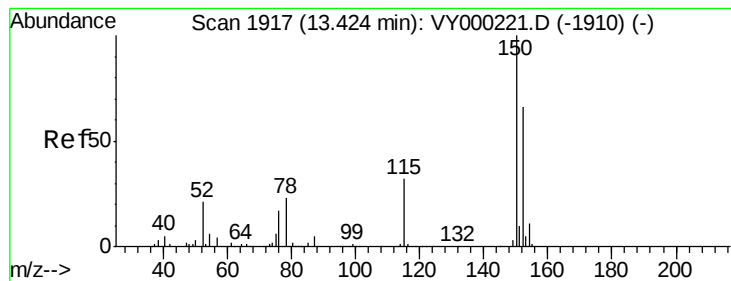
Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	157.0
176	80.6	0.0	153.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000238.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.4	66.6
119	32.8	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000238.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1009WBL02

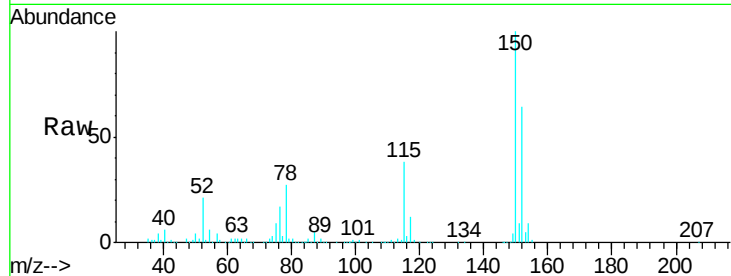
Tgt Ion:152 Resp: 184839

Ion Ratio Lower Upper

152 100

115 57.2 29.3 88.0

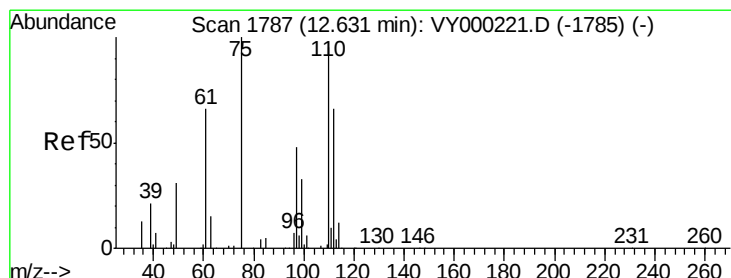
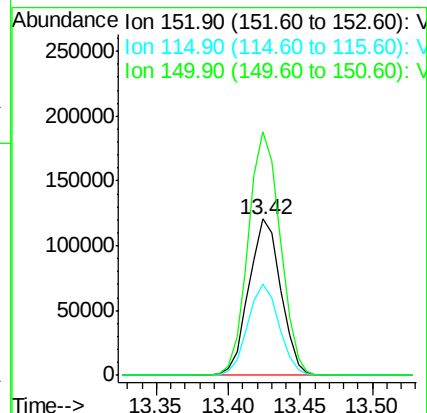
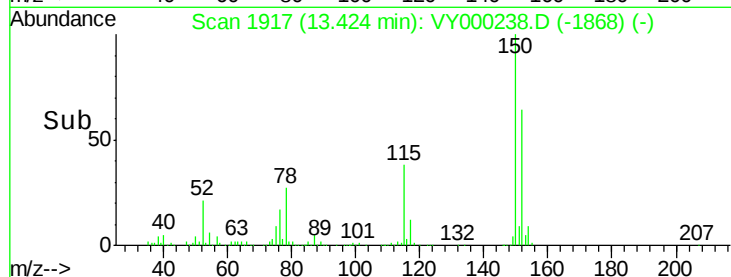
150 156.0 0.0 349.6



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: 19.896 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000238.D

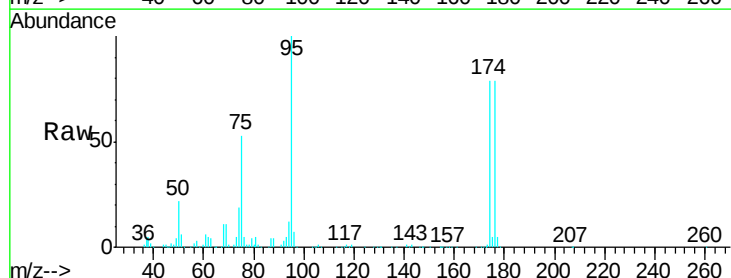
Acq: 09 Oct 2019 12:43

Tgt Ion: 75 Resp: 97096

Ion Ratio Lower Upper

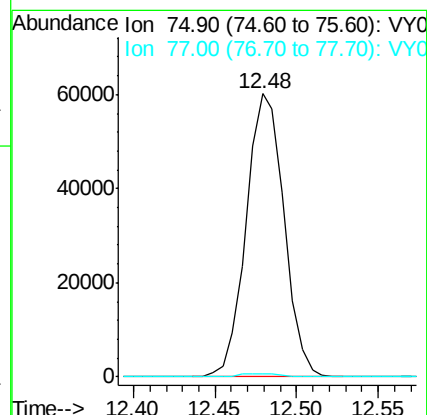
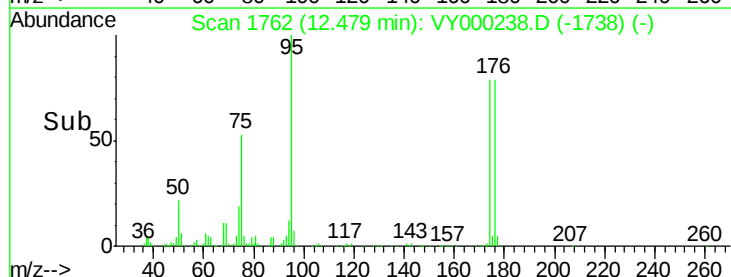
75 100

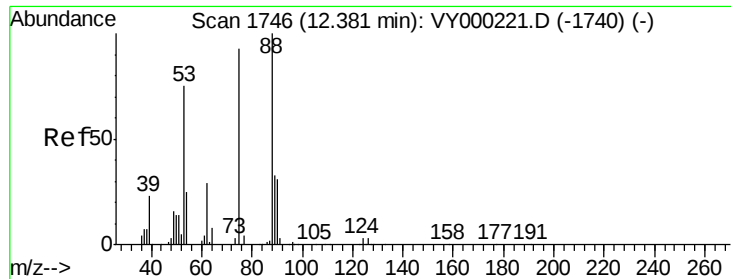
77 1.1 0.0 0.0#



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: 38.803 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000238.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1009WBL02

Tgt Ion: 75 Resp: 97096

Ion Ratio Lower Upper

75 100

53 0.0 66.5 99.7#

89 0.1 46.9 70.3#

