

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002240.D
 Acq On : 06 Apr 2020 16:23
 Operator : SY/MD
 Sample : L2166-15RE
 Misc : 5.77G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 07 04:25:59 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

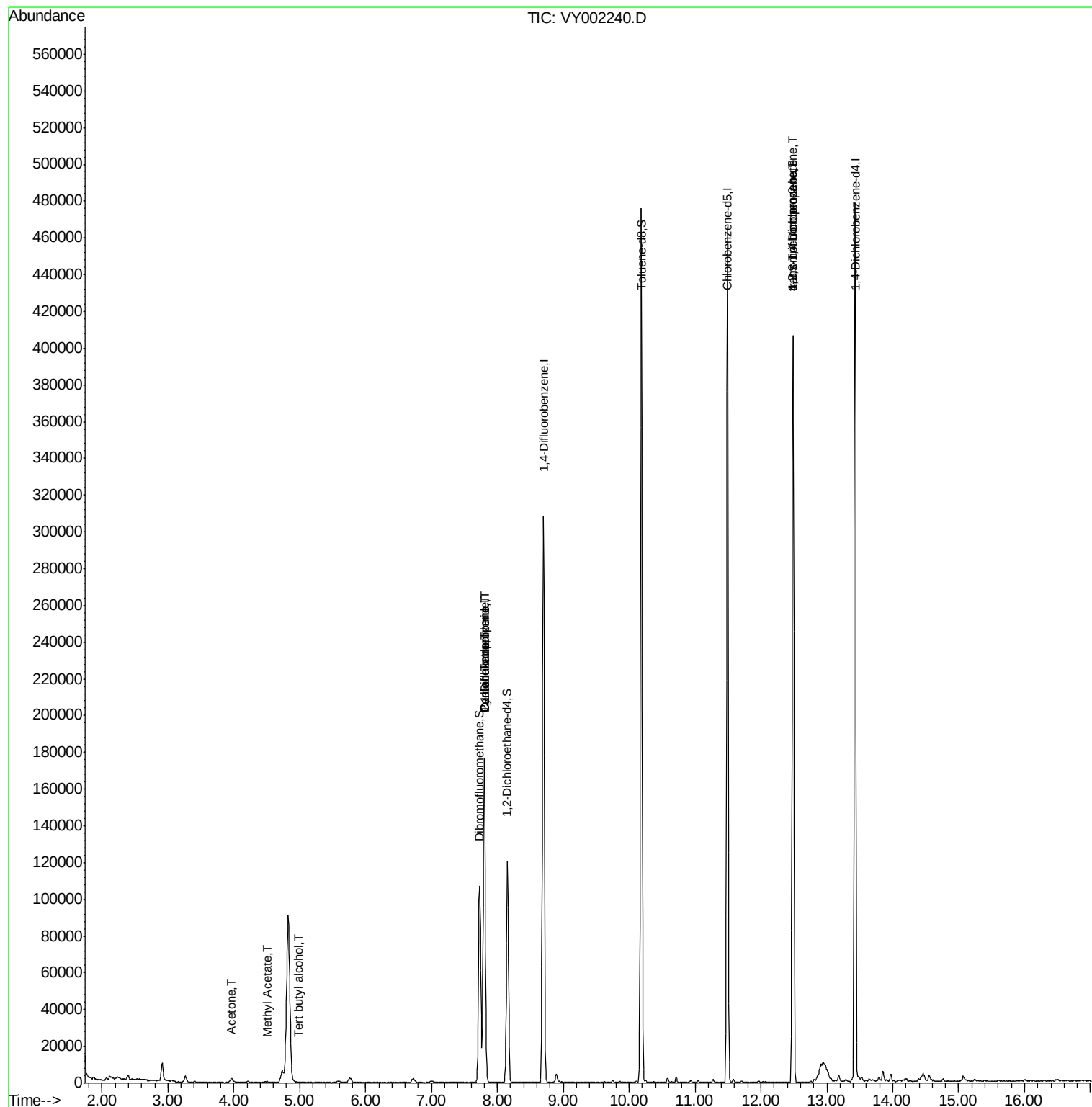
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	131206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	261440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	248084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	115898	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	89848	61.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.90%	
35) Dibromofluoromethane	7.73	113	79251	54.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.20%	
50) Toluene-d8	10.19	98	320248	52.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.49	95	115381	54.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.42%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.99	59	508	2.972	ug/l #	74
16) Acetone	3.97	43	3296	8.088	ug/l #	77
18) Methyl Acetate	4.50	43	1098	1.038	ug/l #	71
20) Methylene Chloride	4.74	84	4756	Below Cal	#	83
31) Cyclohexane	7.80	56	3249	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11125	4.499	ug/l #	49
38) Carbon Tetrachloride	7.80	117	13453	6.412	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	58677	45.261	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	58677	87.686	ug/l #	18

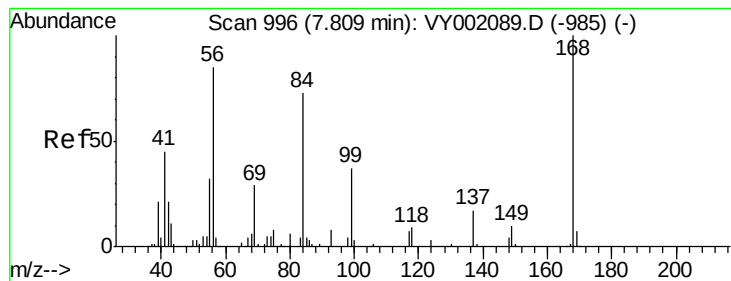
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002240.D

Acq: 06 Apr 2020 16:23

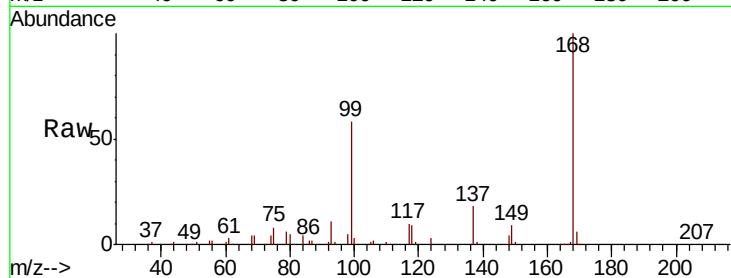
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 131206

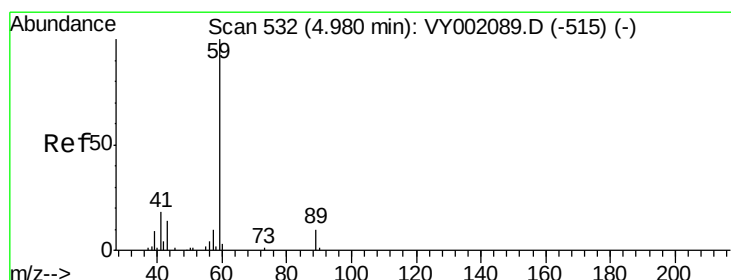
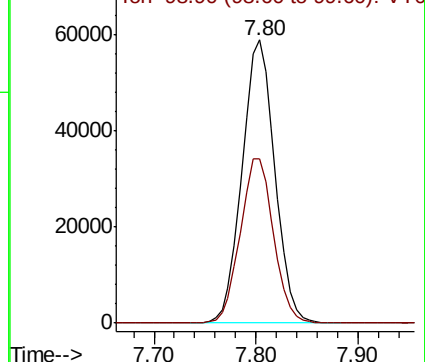
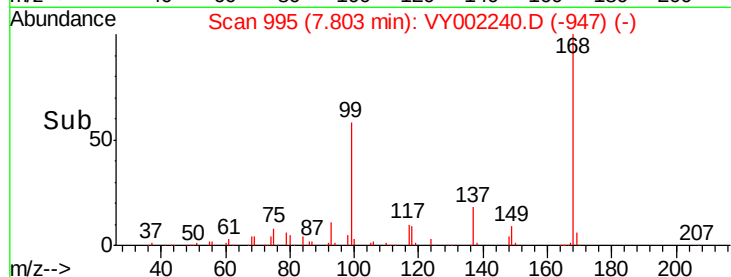
Ion Ratio Lower Upper

168 100

99 57.9 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002240.D (-947) (-)



#11

Tert butyl alcohol

Concen: 2.972 ug/l

RT: 4.99 min Scan# 533

Delta R.T. 0.01 min

Lab File: VY002240.D

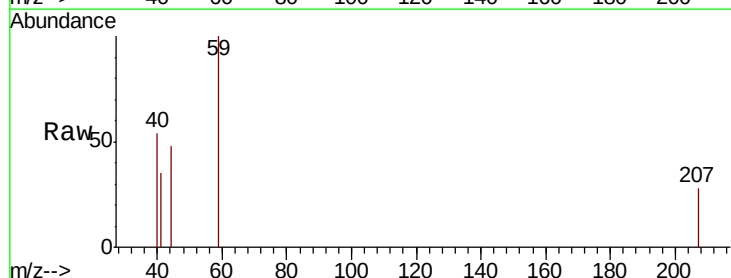
Acq: 06 Apr 2020 16:23

Tgt Ion: 59 Resp: 508

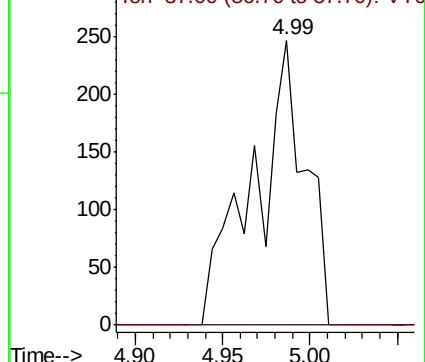
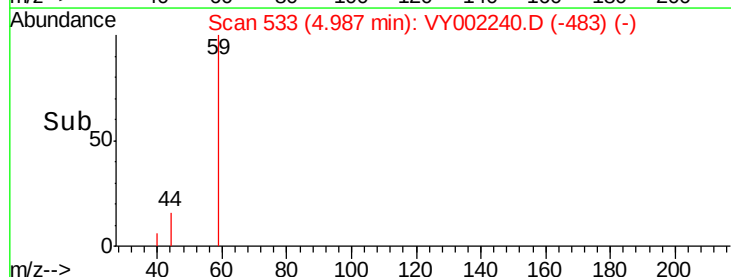
Ion Ratio Lower Upper

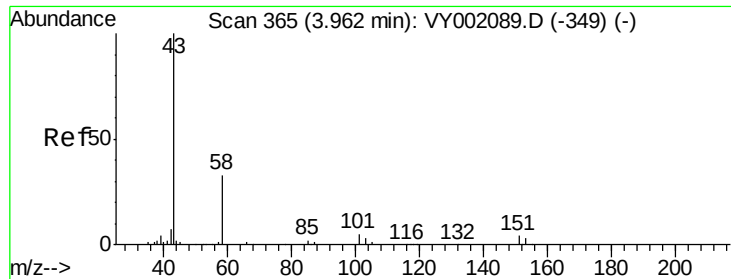
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002240.D (-483) (-)





#16

Acetone

Concen: 8.088 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002240.D

Acq: 06 Apr 2020 16:23

Instrument :

MSVOA_Y

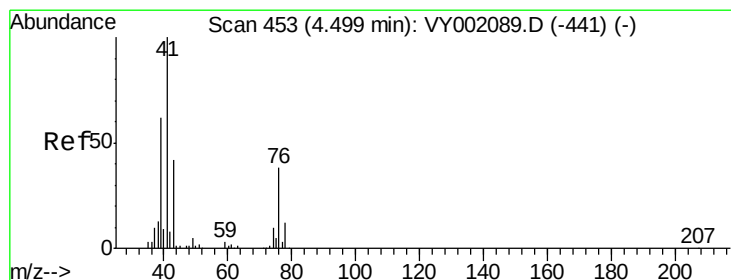
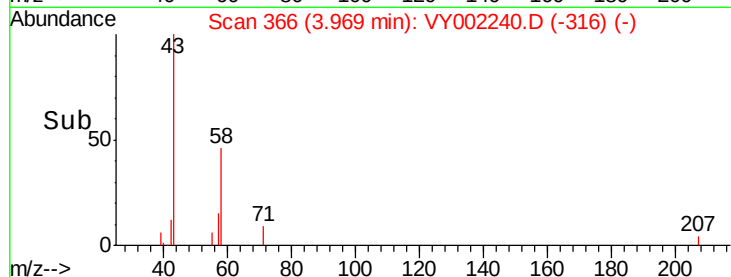
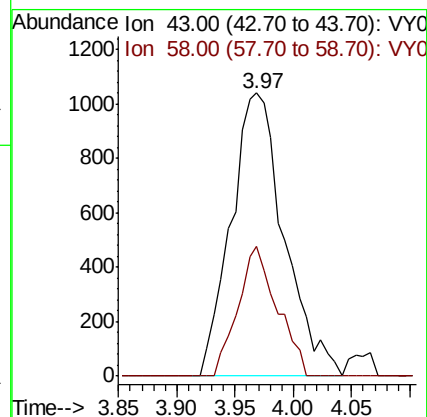
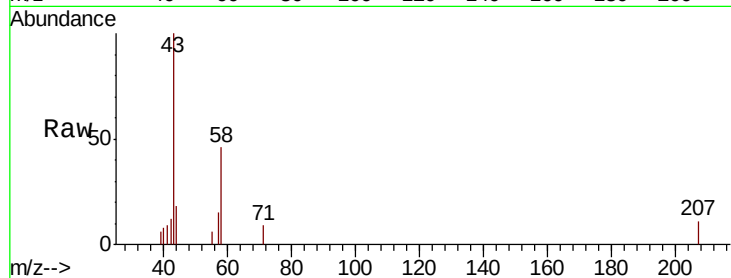
ClientSampleId :

Tot Ion: 43 Resp: 3296

Ion Ratio Lower Upper

43 100

58 45.9 26.3 39.5#



#18

Methyl Acetate

Concen: 1.038 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002240.D

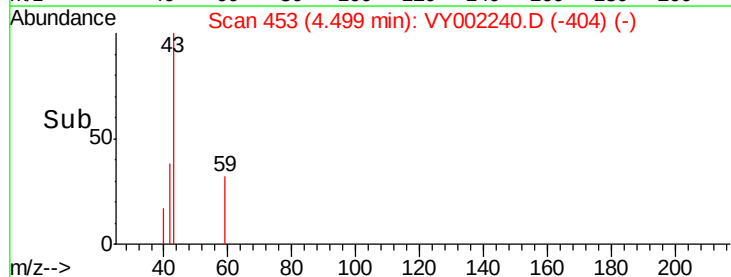
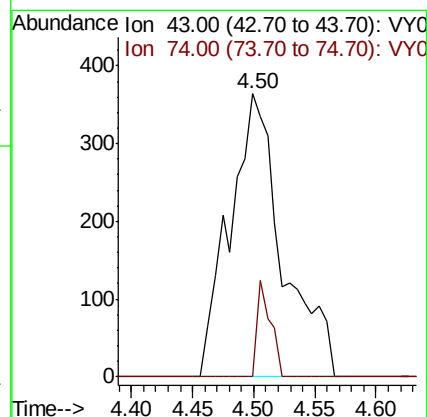
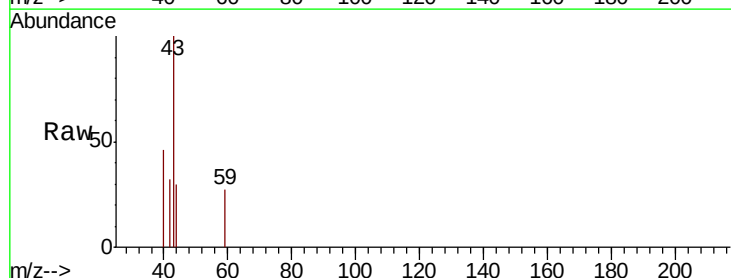
Acq: 06 Apr 2020 16:23

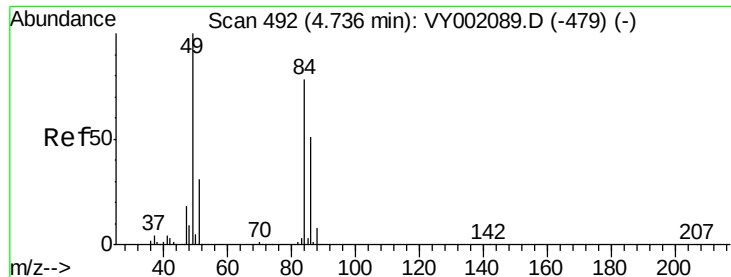
Tgt Ion: 43 Resp: 1098

Ion Ratio Lower Upper

43 100

74 8.7 18.3 27.5#

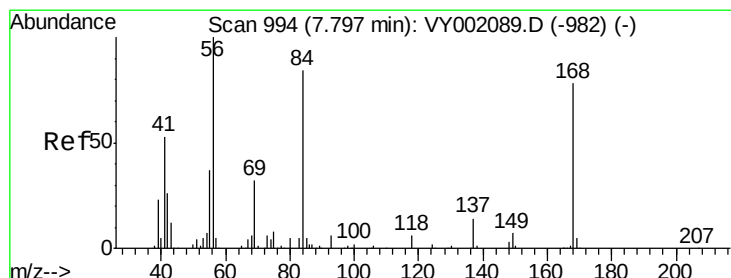
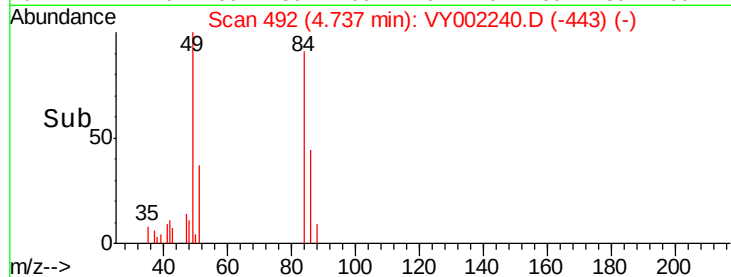
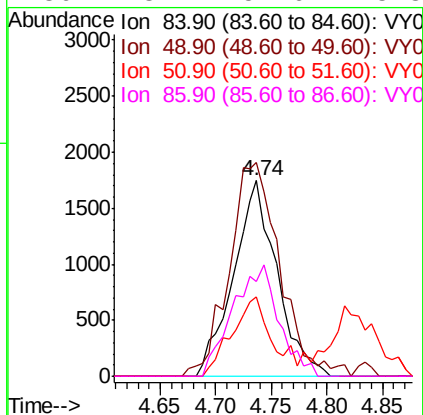
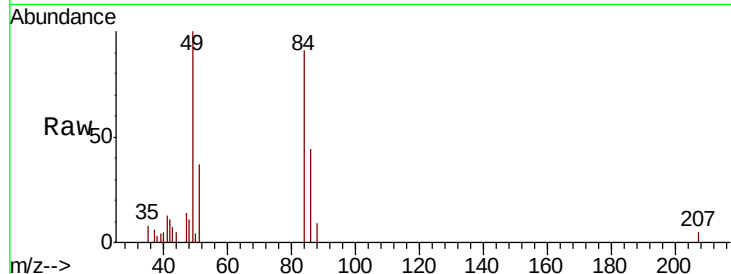




#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. 0.00 min
Lab File: VY002240.D
Acq: 06 Apr 2020 16:23

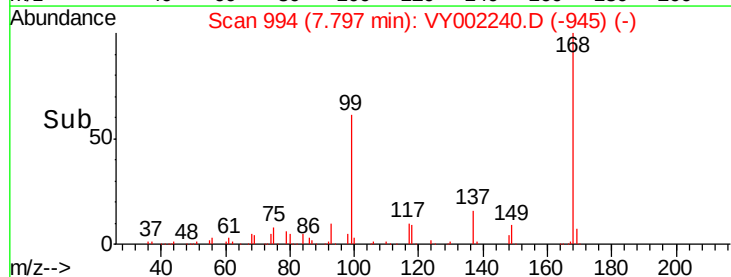
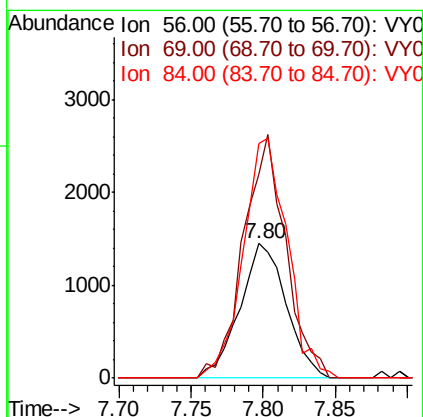
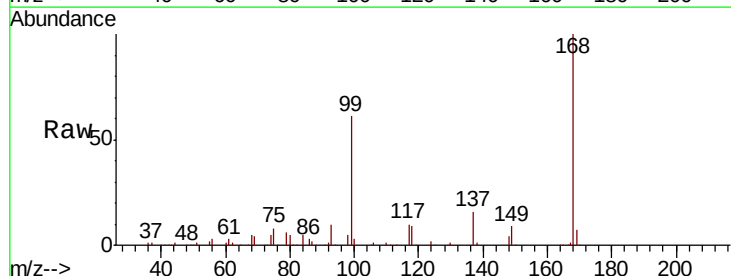
Instrument :
MSVOA_Y
ClientSampleId :

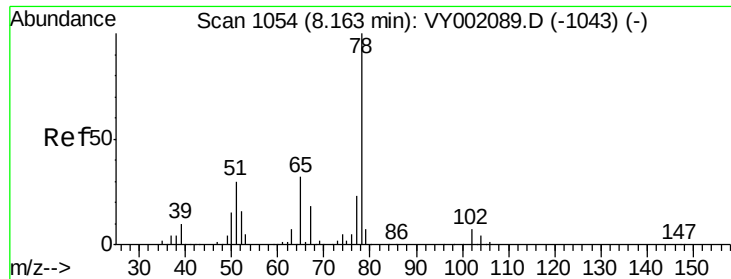
Tot Ion: 84 Resp: 4756
Ion Ratio Lower Upper
84 100
49 105.4 102.2 153.4
51 40.8 31.2 46.8
86 48.4 52.6 78.8#



#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY002240.D
Acq: 06 Apr 2020 16:23

Tgt Ion: 56 Resp: 3249
Ion Ratio Lower Upper
56 100
69 152.2 25.8 38.8#
84 174.8 67.1 100.7#

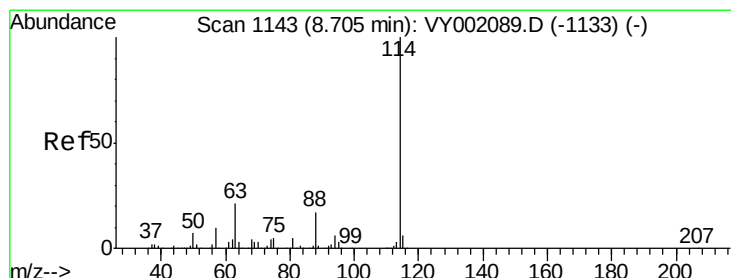
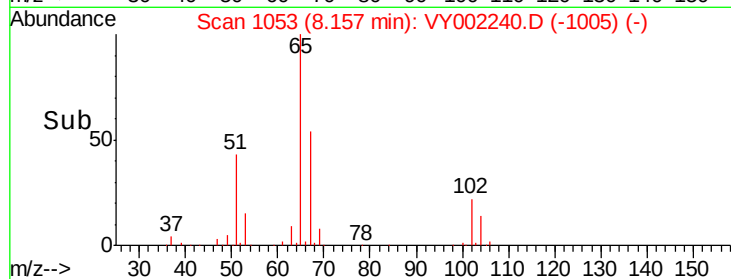
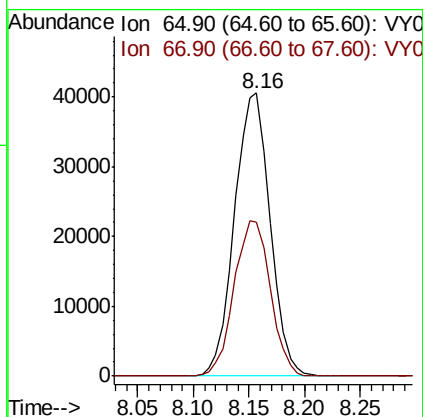
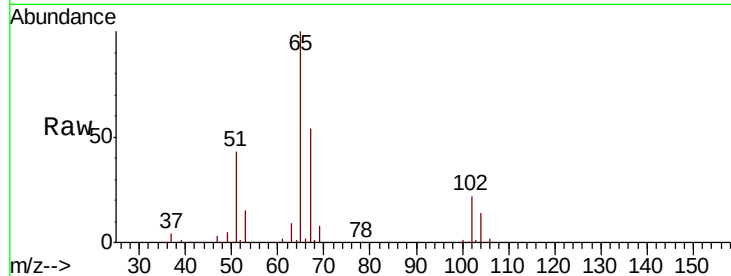




#33
 1,2-Dichloroethane-d4
 Concen: 61.945 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002240.D
 Acq: 06 Apr 2020 16:23

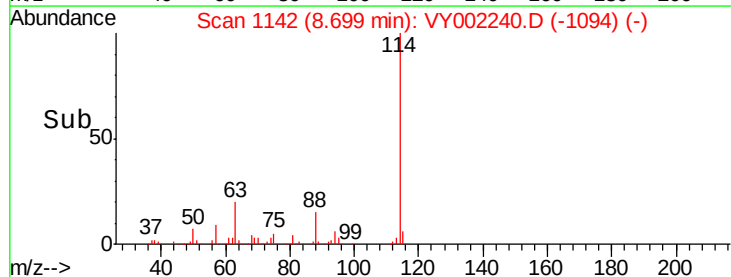
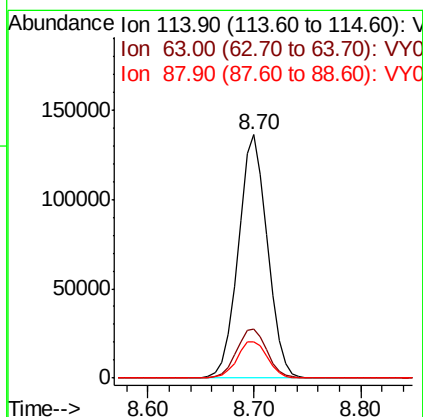
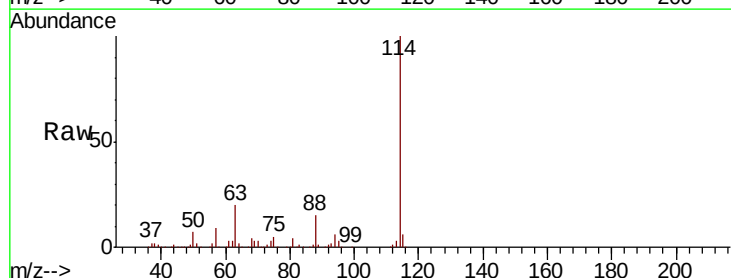
Instrument :
 MSVOA_Y
 ClientSampleId :

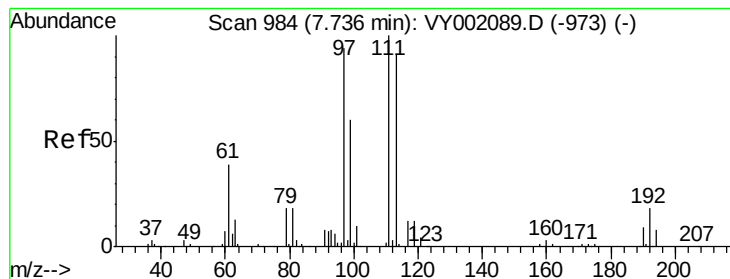
Tot Ion: 65 Resp: 89848
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002240.D
 Acq: 06 Apr 2020 16:23

Tgt Ion: 114 Resp: 261440
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 54.100 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002240.D

Acq: 06 Apr 2020 16:23

Instrument :

MSVOA_Y

ClientSampleId :

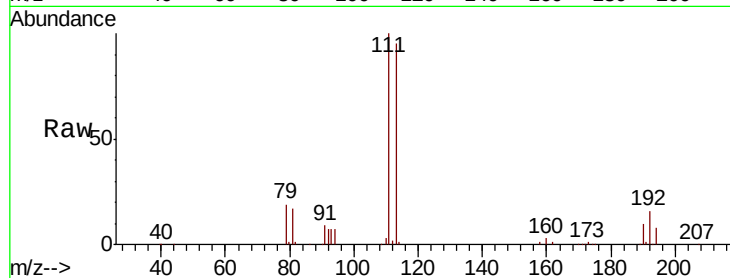
Tot Ion:113 Resp: 79251

Ion Ratio Lower Upper

113 100

111 103.7 84.4 126.6

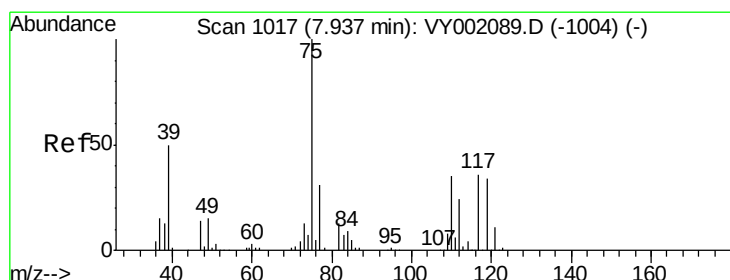
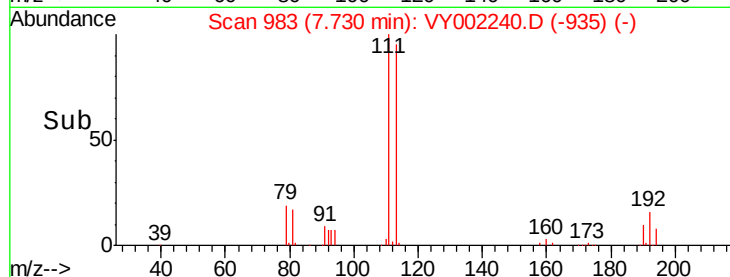
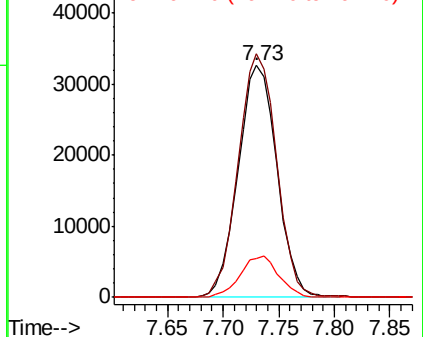
192 17.7 14.6 21.8



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: 4.499 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002240.D

Acq: 06 Apr 2020 16:23

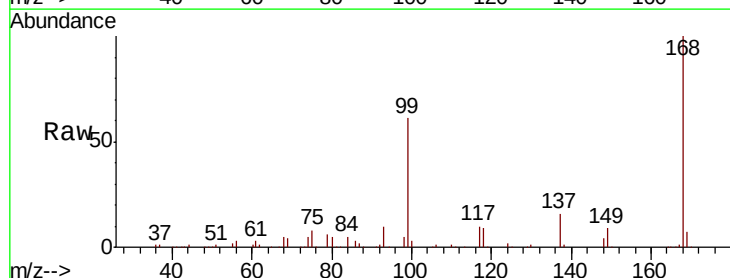
Tgt Ion: 75 Resp: 11125

Ion Ratio Lower Upper

75 100

110 8.2 17.2 51.6#

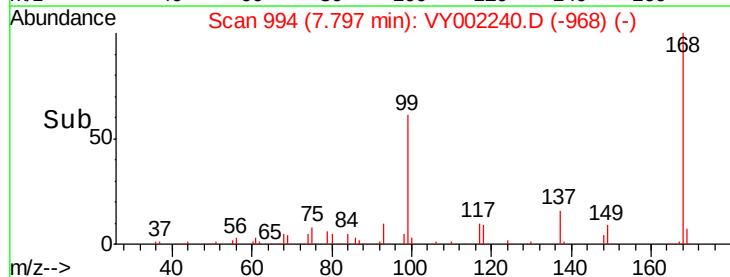
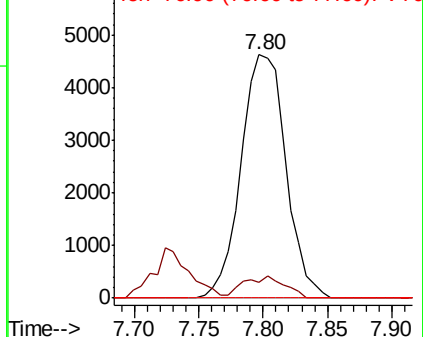
77 0.0 24.7 37.1#

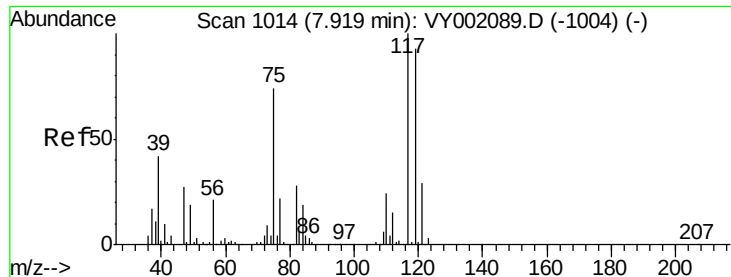


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.412 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002240.D

Acq: 06 Apr 2020 16:23

Instrument :

MSVOA_Y

ClientSampleId :

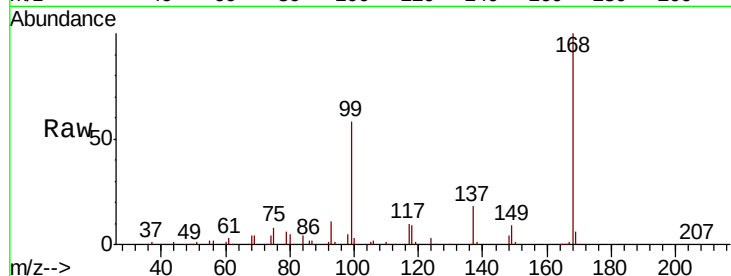
Tot Ion:117 Resp: 13453

Ion Ratio Lower Upper

117 100

119 5.3 74.3 111.5#

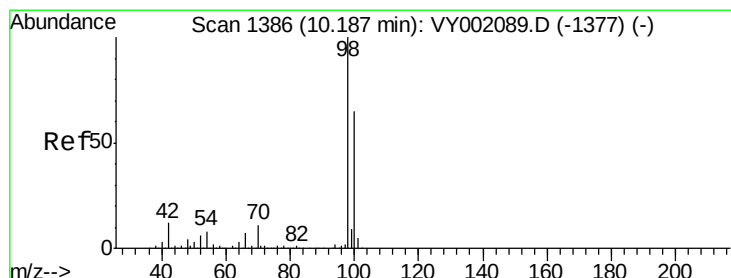
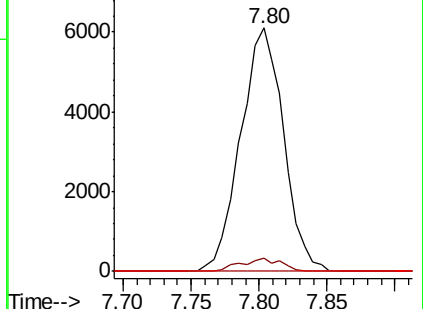
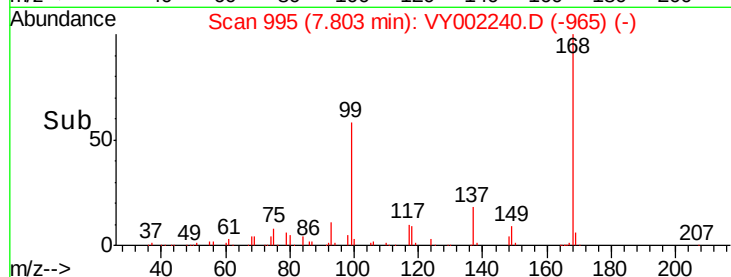
121 0.0 23.3 34.9#



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: 52.625 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002240.D

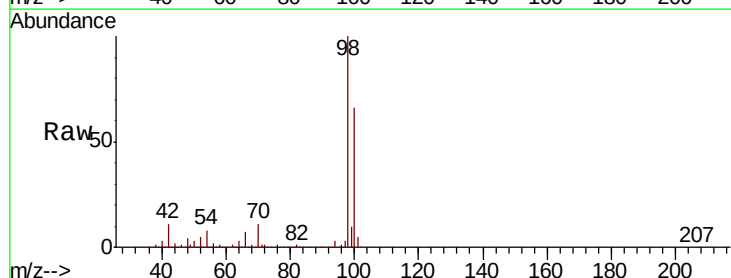
Acq: 06 Apr 2020 16:23

Tgt Ion: 98 Resp: 320248

Ion Ratio Lower Upper

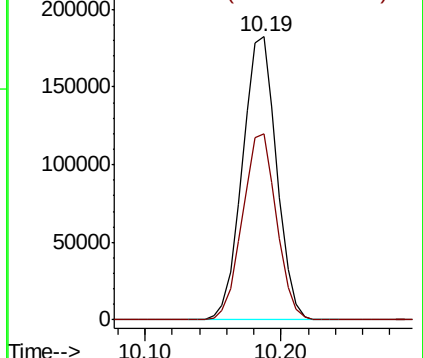
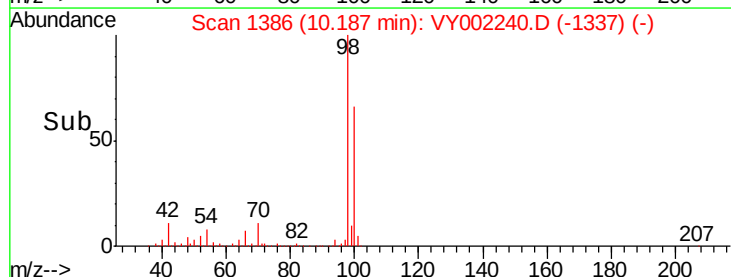
98 100

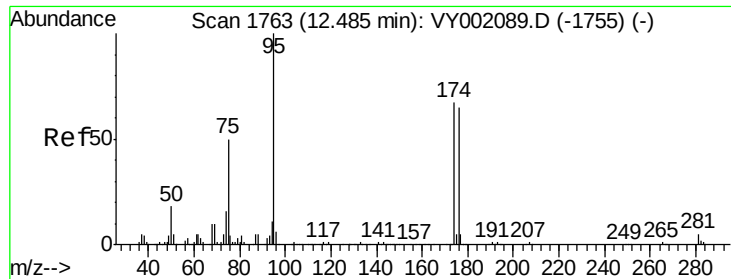
100 65.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

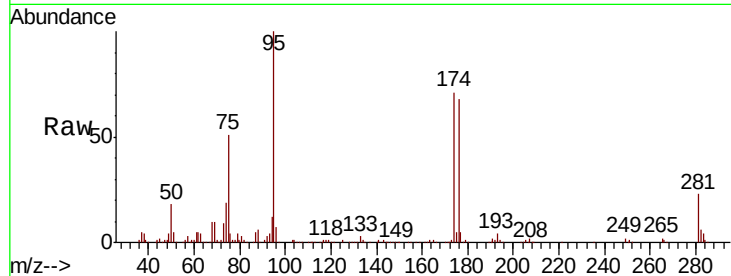




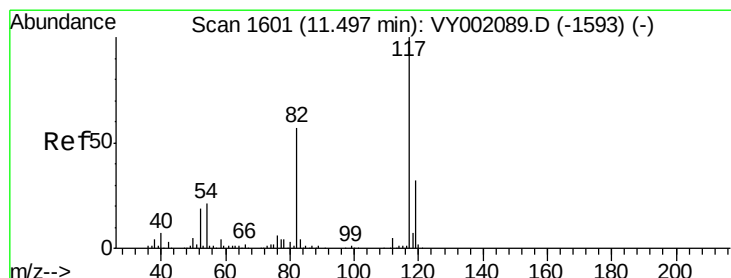
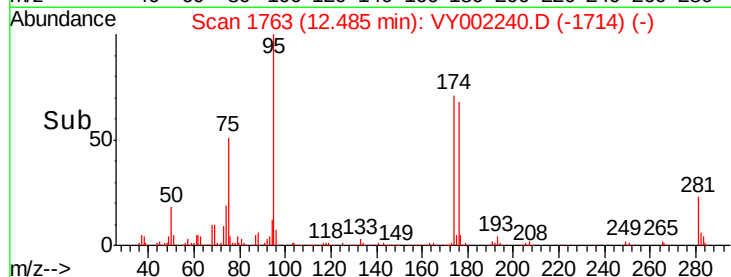
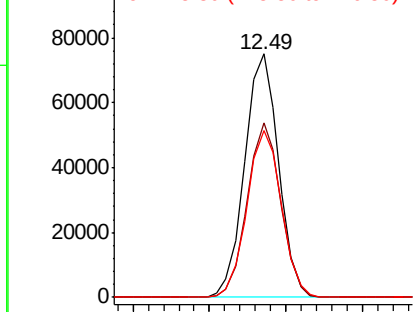
#62
4-Bromofluorobenzene
Concen: 54.213 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002240.D
Acq: 06 Apr 2020 16:23

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	143.4
176	69.6	0.0	137.0

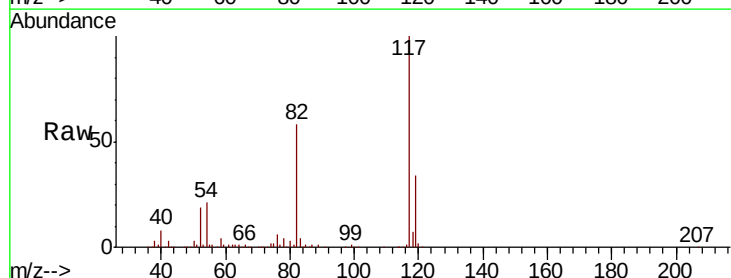


Abundance Ion 94.90 (94.60 to 95.60): VY002240.D (-1755) (-)
Ion 173.80 (173.50 to 174.50): VY002240.D (-1755) (-)
Ion 175.80 (175.50 to 176.50): VY002240.D (-1755) (-)

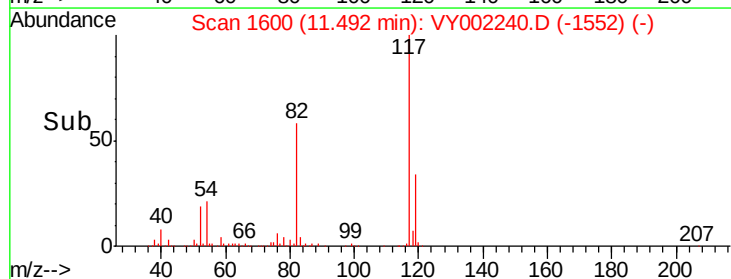
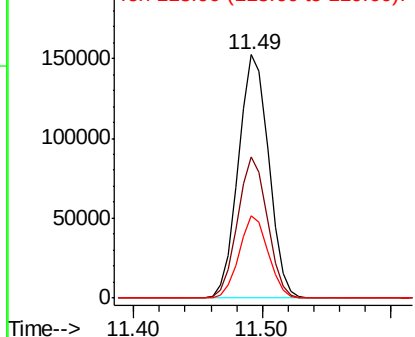


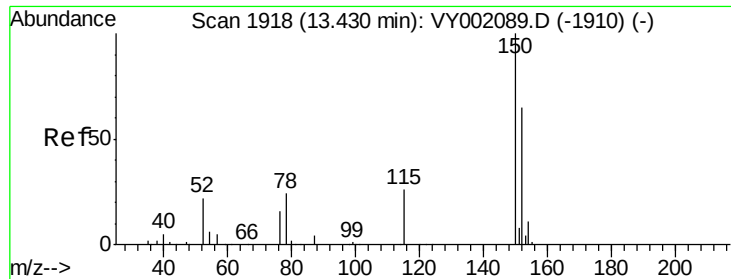
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002240.D
Acq: 06 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.4	68.2
119	33.6	25.3	37.9



Abundance Ion 116.90 (116.60 to 117.60): VY002240.D (-1593) (-)
Ion 82.00 (81.70 to 82.70): VY002240.D (-1593) (-)
Ion 118.90 (118.60 to 119.60): VY002240.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002240.D

Acq: 06 Apr 2020 16:23

Instrument :

MSVOA_Y

ClientSampleId :

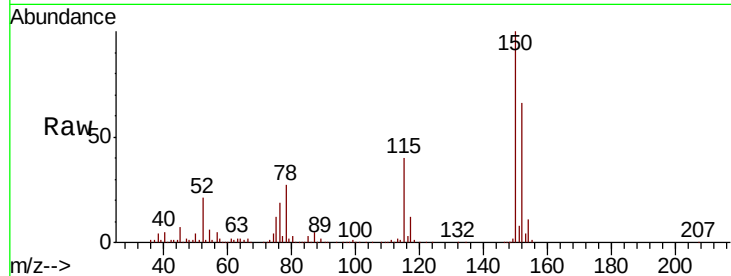
Tot Ion:152 Resp: 115898

Ion Ratio Lower Upper

152 100

115 61.0 31.2 93.6

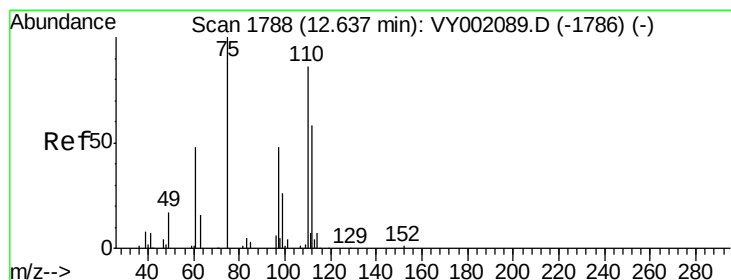
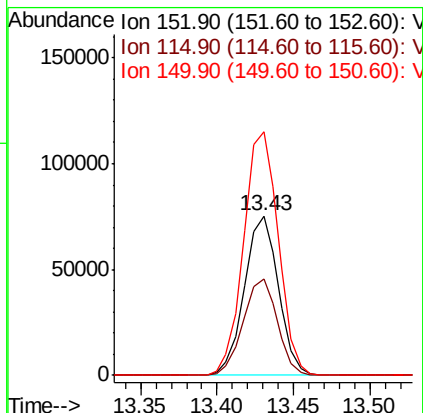
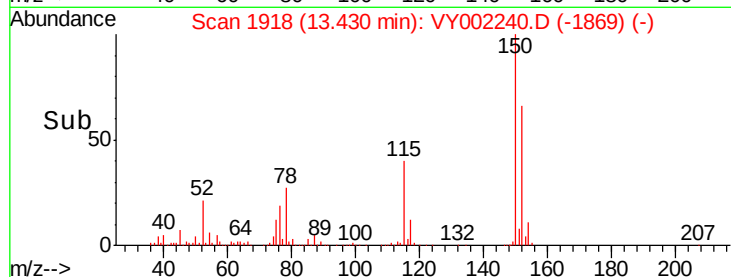
150 156.7 0.0 354.8



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: 45.261 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002240.D

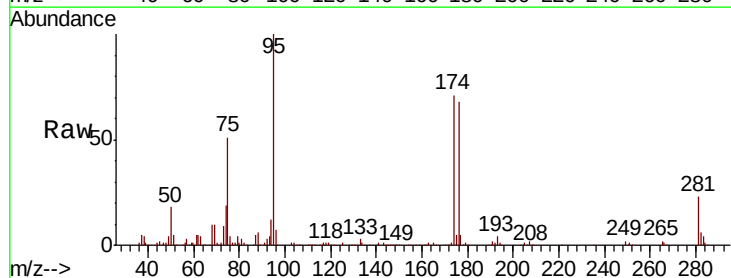
Acq: 06 Apr 2020 16:23

Tgt Ion: 75 Resp: 58677

Ion Ratio Lower Upper

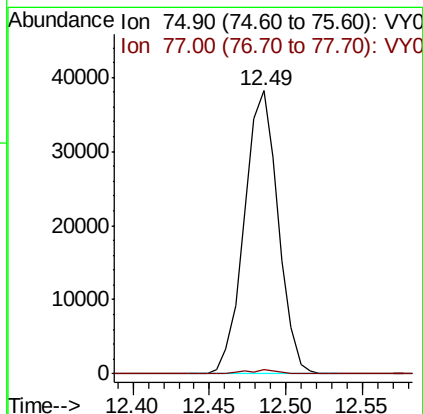
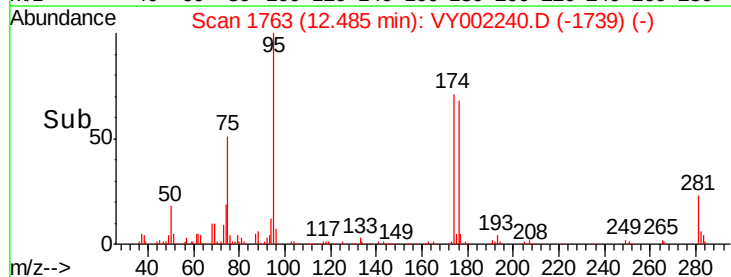
75 100

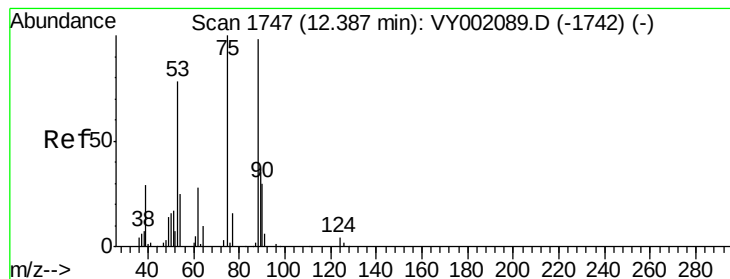
77 1.3 0.0 0.0#



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: 87.686 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002240.D

Acq: 06 Apr 2020 16:23

Instrument :

MSVOA_Y

ClientSampleId :

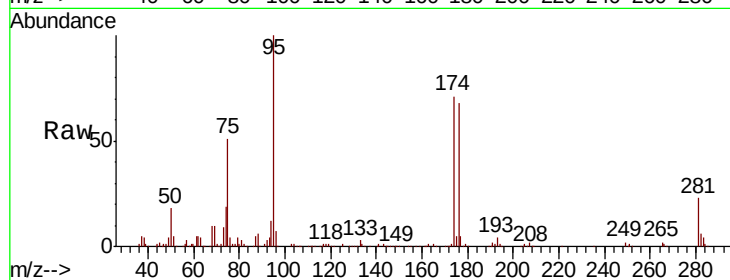
Tot Ion: 75 Resp: 58677

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.8 33.4 50.0#



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

