

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\
 Data File : VY001442.D
 Acq On : 30 Jan 2020 19:42
 Operator : SY/MD
 Sample : L1318-16RE
 Misc : 4.54G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

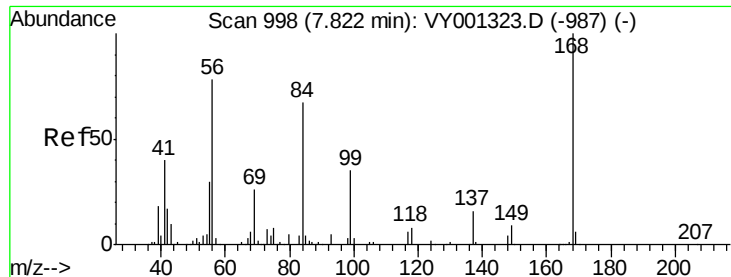
Quant Time: Jan 31 03:25:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	158826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	294699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	258884	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	103972	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	95008	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
35) Dibromofluoromethane	7.75	113	86670	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	10.20	98	346757	51.60	ug/l	0.01
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.50	95	116868	43.67	ug/l	0.01
Spiked Amount			Recovery	=	87.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	846	Below Cal	#	74
13) Acrolein	3.92	56	23	Below Cal	#	15
16) Acetone	3.99	43	1901	Below Cal		98
20) Methylene Chloride	4.76	84	6505	Below Cal	#	93
25) 2-Butanone	7.02	43	2196	2.919	ug/l #	86
26) 2,2-Dichloropropane	7.01	77	3020	1.007	ug/l #	52
31) Cyclohexane	7.81	56	3484	1.043	ug/l #	10
36) 1,1-Dichloropropene	7.82	75	12933	4.645	ug/l #	51
37) Ethyl Acetate	7.02	43	2196	1.291	ug/l #	4
38) Carbon Tetrachloride	7.82	117	15722	6.336	ug/l #	15
76) 1,2,3-Trichloropropane	12.50	75	59848	47.769	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	59848	90.397	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001442.D

Acq: 30 Jan 2020 19:42

Instrument :

MSVOA_Y

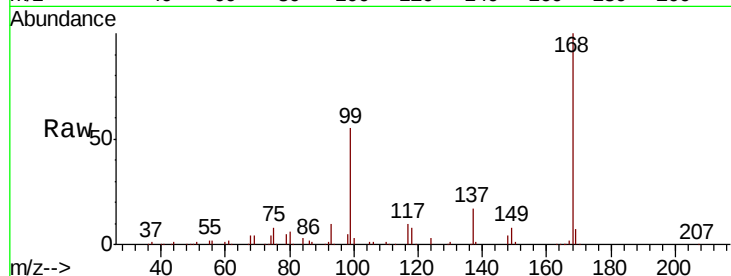
ClientSampleId :

Tot Ion:168 Resp: 158826

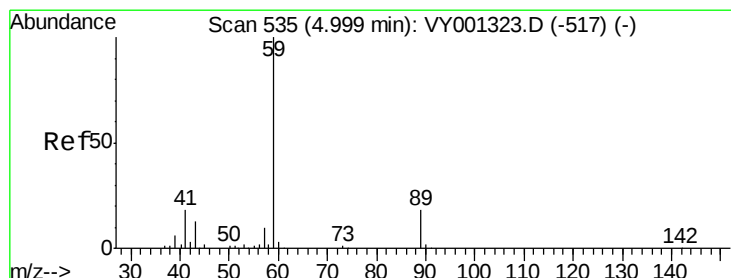
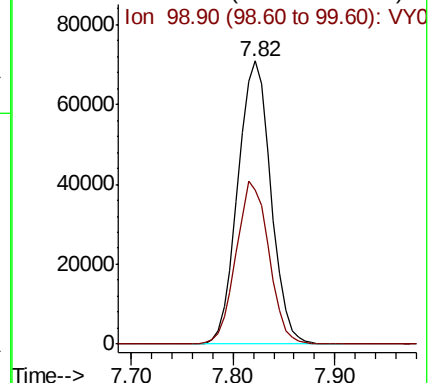
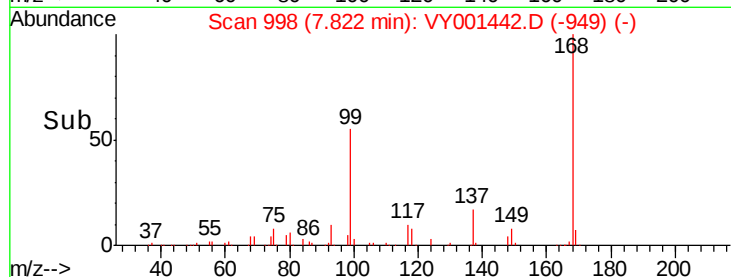
Ion Ratio Lower Upper

168 100

99 54.6 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001442.D (-949) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001442.D

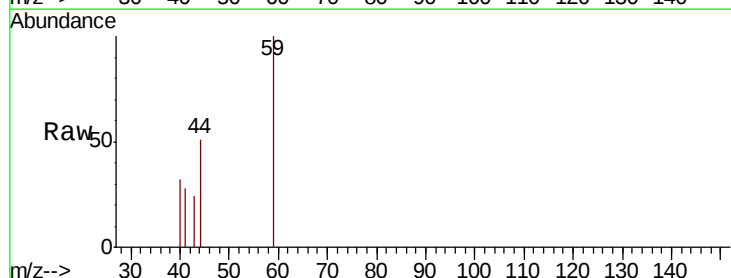
Acq: 30 Jan 2020 19:42

Tgt Ion: 59 Resp: 846

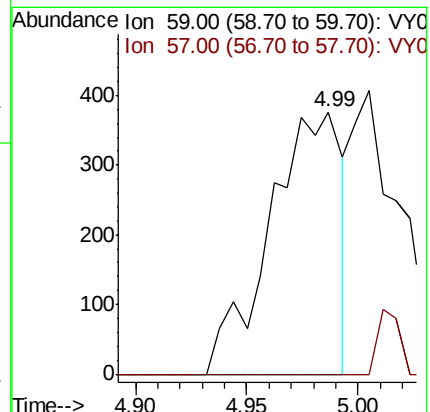
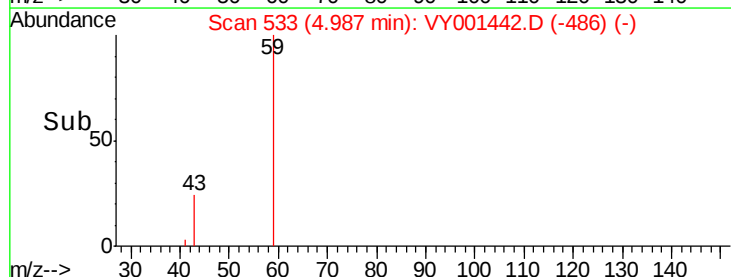
Ion Ratio Lower Upper

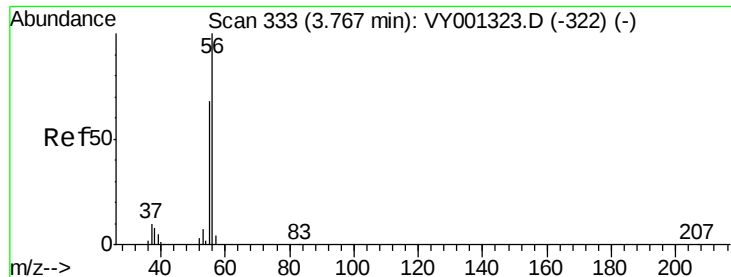
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001442.D (-486) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 358

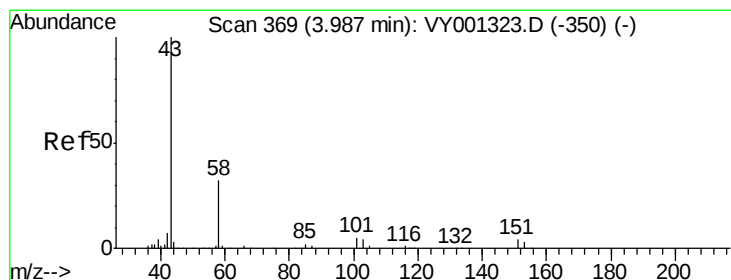
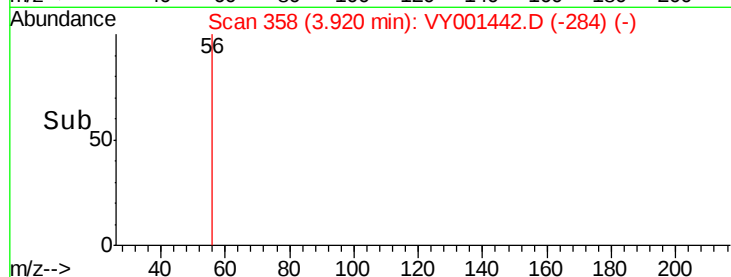
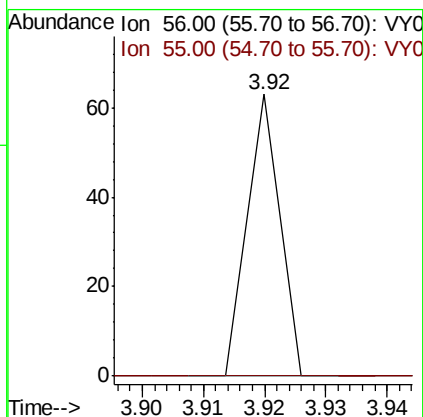
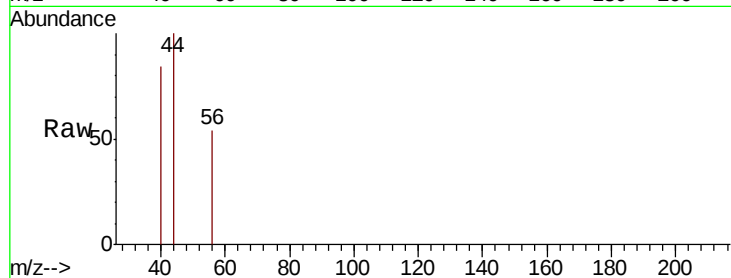
Delta R.T. 0.15 min

Lab File: VY001442.D

Acq: 30 Jan 2020 19:42

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 55.9 83.9#



#16

Acetone

Concen: Below Cal

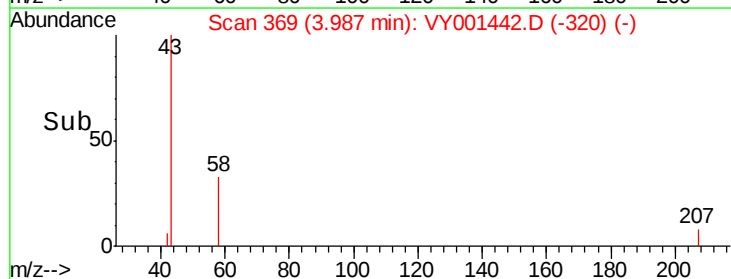
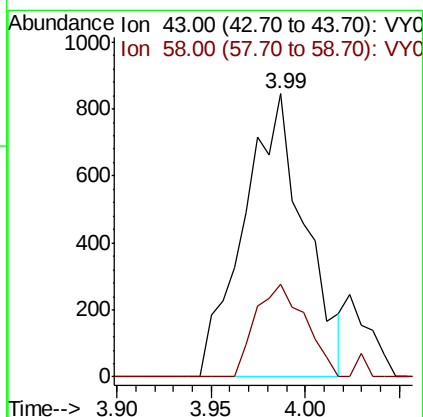
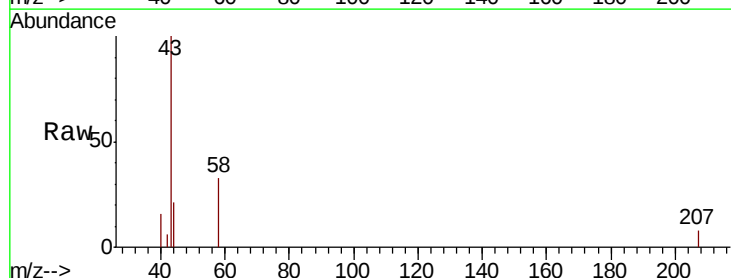
RT: 3.99 min Scan# 369

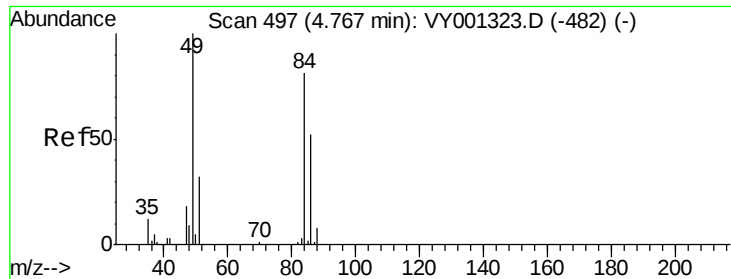
Delta R.T. -0.00 min

Lab File: VY001442.D

Acq: 30 Jan 2020 19:42

Tgt Ion: 43 Resp: 1901
Ion Ratio Lower Upper
43 100
58 32.8 25.4 38.0

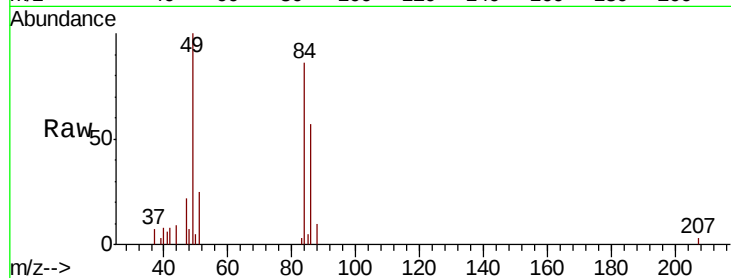




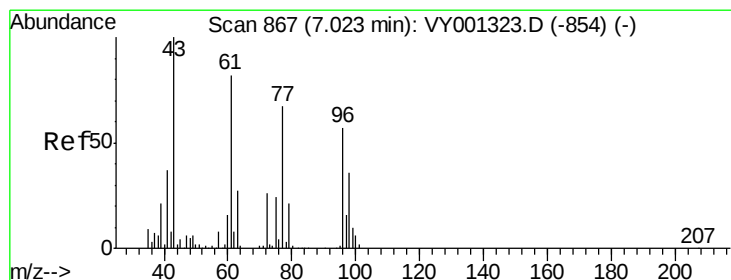
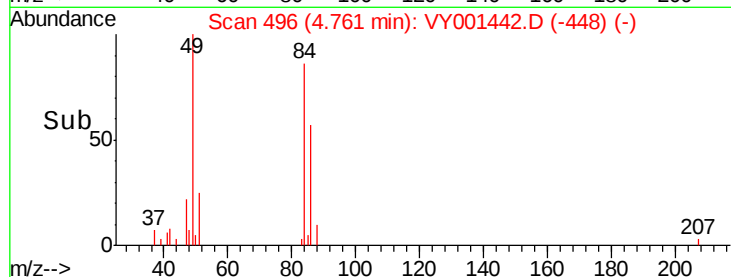
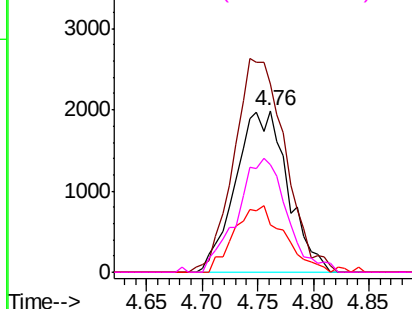
#20
Methylene Chloride
Concen: Below Cal
RT: 4.76 min Scan# 496
Delta R.T. -0.01 min
Lab File: VY001442.D
Acq: 30 Jan 2020 19:42

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 6505
Ion Ratio Lower Upper
84 100
49 116.4 98.3 147.5
51 29.6 31.6 47.4#
86 66.4 51.1 76.7

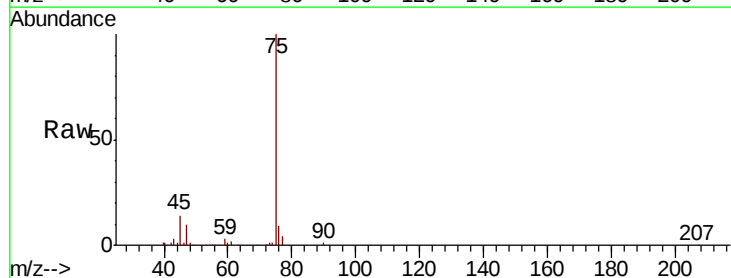


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

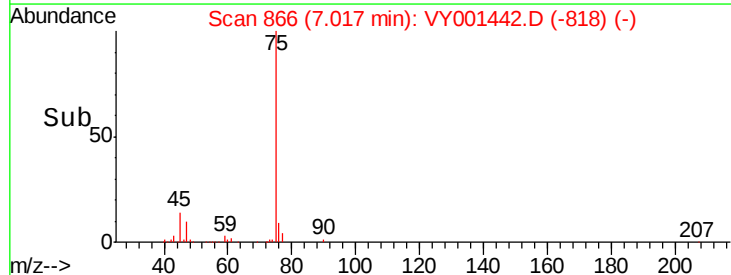
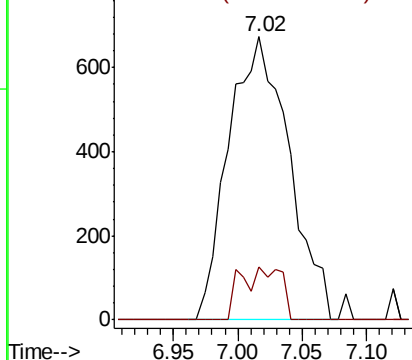


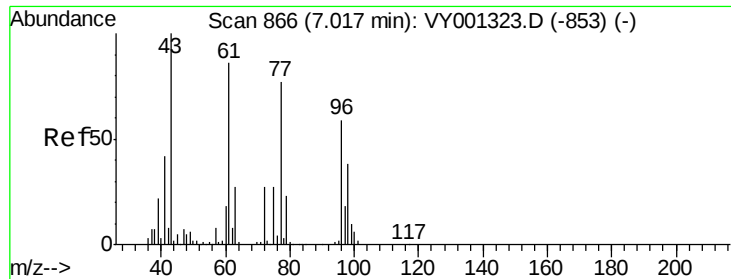
#25
2-Butanone
Concen: 2.919 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.01 min
Lab File: VY001442.D
Acq: 30 Jan 2020 19:42

Tgt Ion: 43 Resp: 2196
Ion Ratio Lower Upper
43 100
72 18.9 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

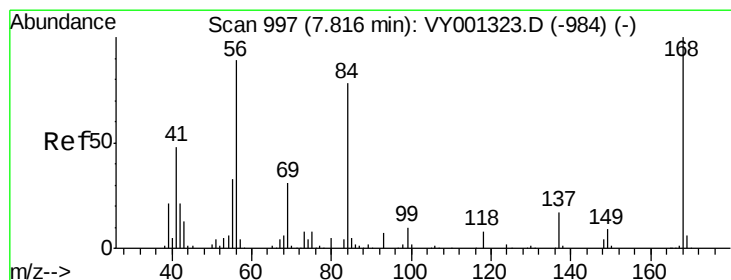
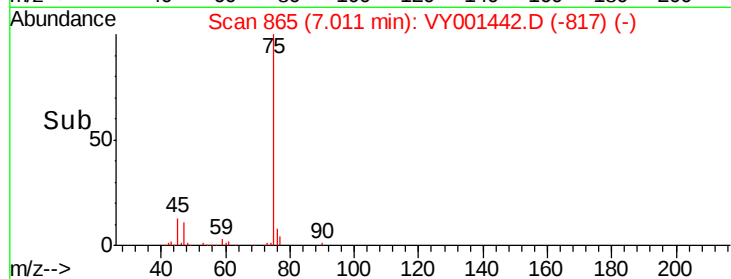
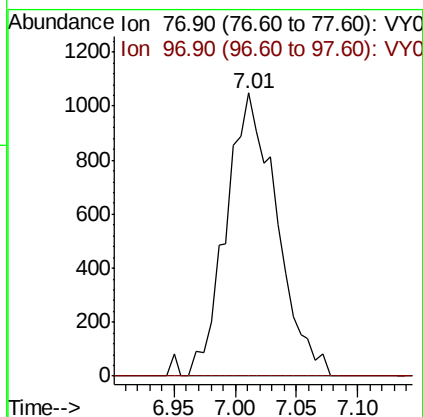
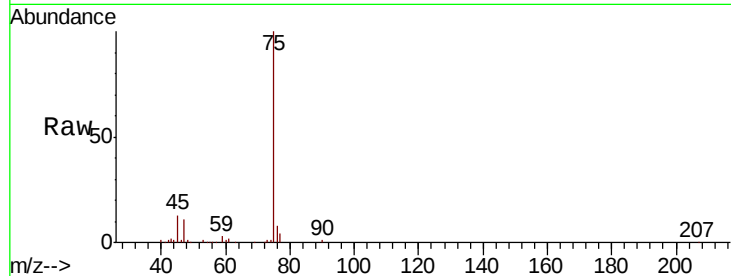




#26
 2,2-Dichloropropane
 Concen: 1.007 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY001442.D
 Acq: 30 Jan 2020 19:42

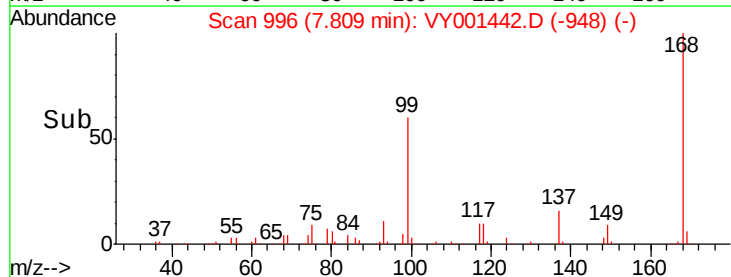
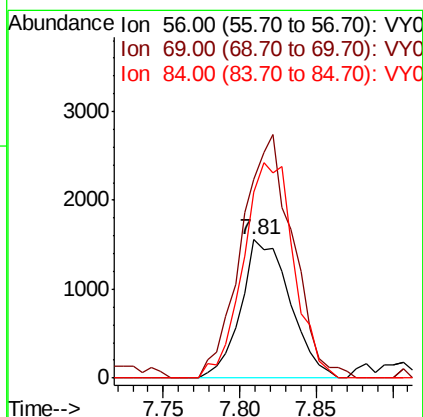
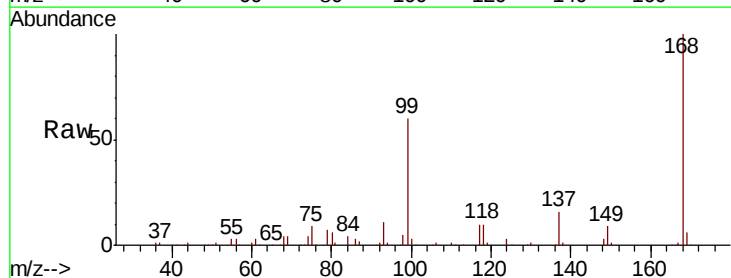
Instrument :
 MSVOA_Y
 ClientSampleId :

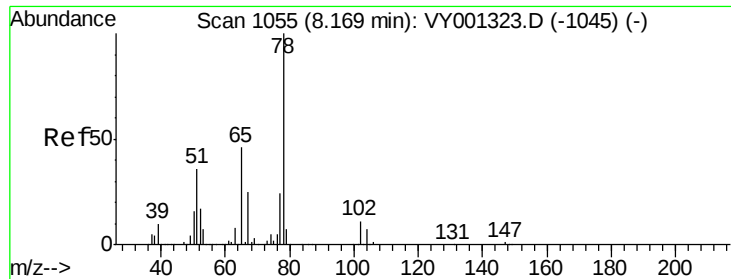
Tot Ion: 77 Resp: 3020
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.5#



#31
 Cyclohexane
 Concen: 1.043 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VY001442.D
 Acq: 30 Jan 2020 19:42

Tgt Ion: 56 Resp: 3484
 Ion Ratio Lower Upper
 56 100
 69 143.3 27.6 41.4#
 84 134.2 69.7 104.5#

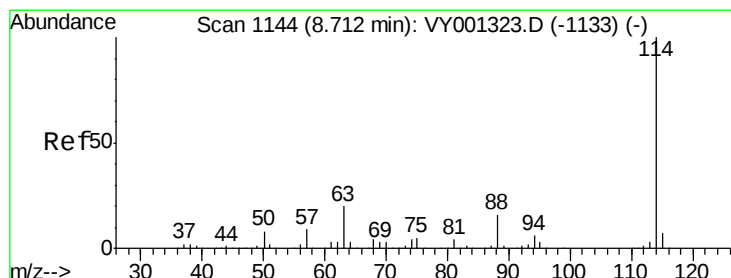
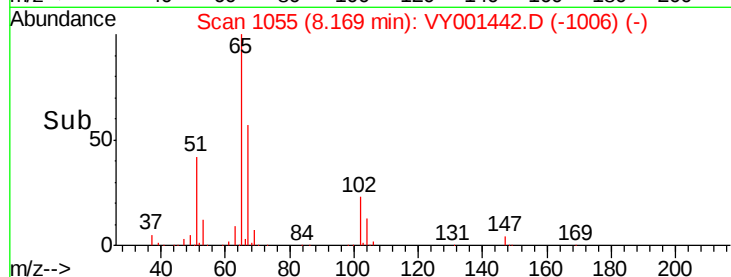
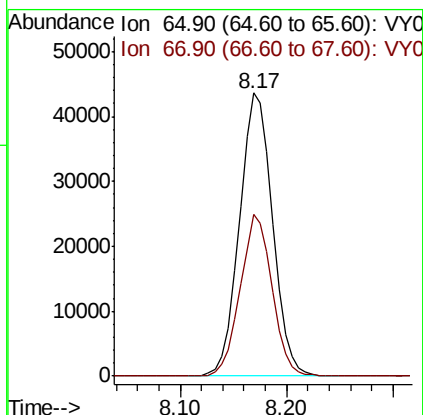
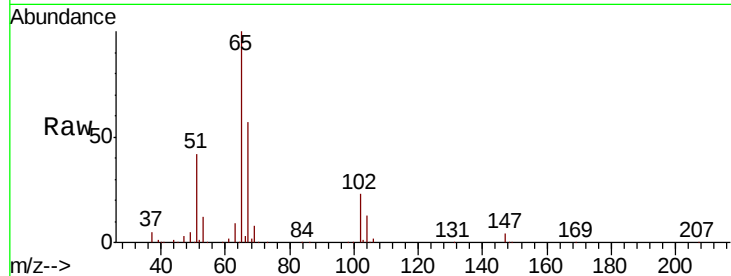




#33
 1,2-Dichloroethane-d4
 Concen: 54.974 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001442.D
 Acq: 30 Jan 2020 19:42

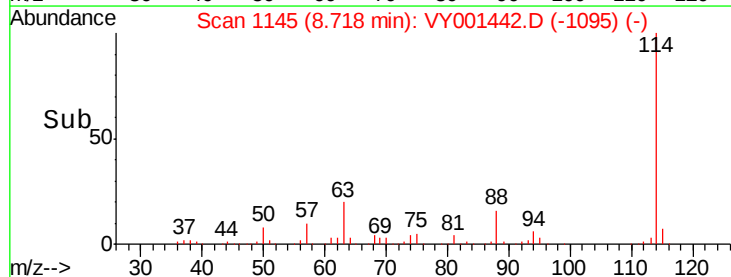
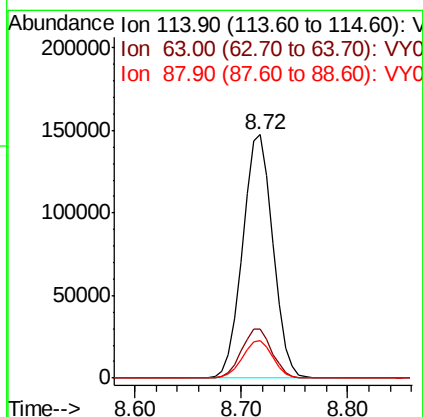
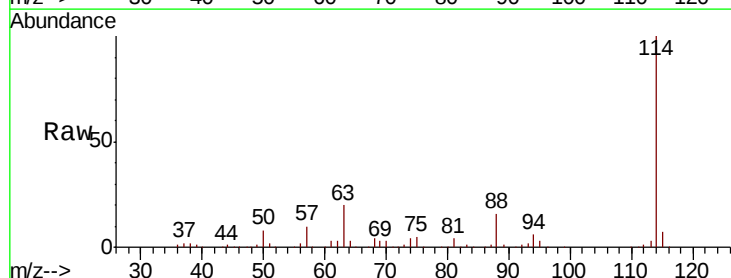
Instrument :
 MSVOA_Y
 ClientSampleId :

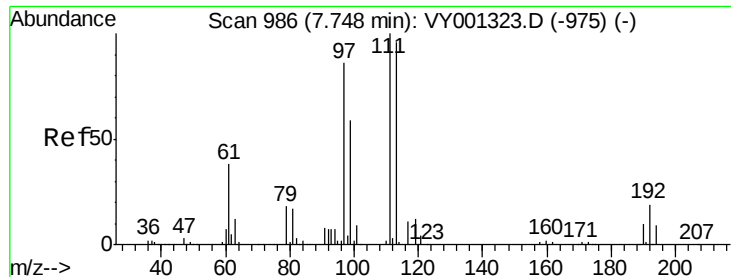
Tot Ion: 65 Resp: 95008
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001442.D
 Acq: 30 Jan 2020 19:42

Tgt Ion: 114 Resp: 294699
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 15.5 0.0 31.0

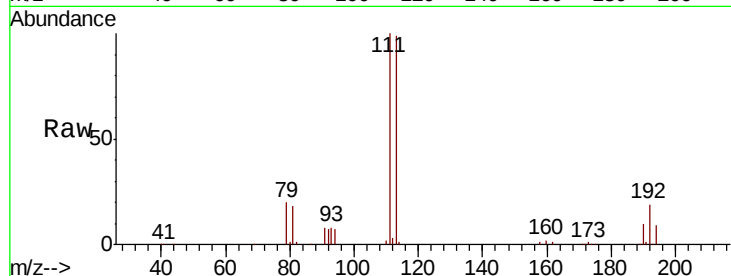




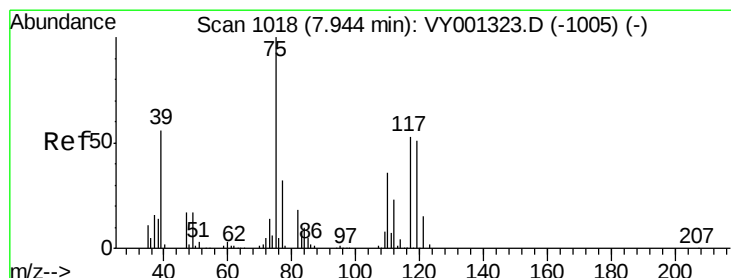
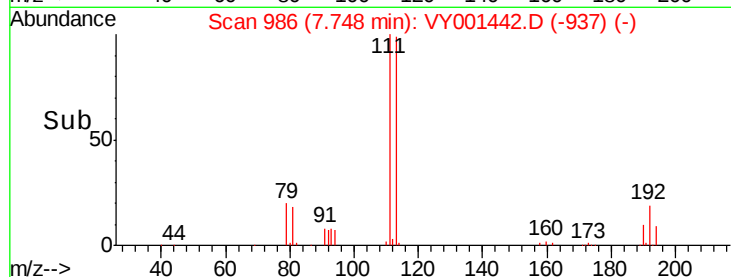
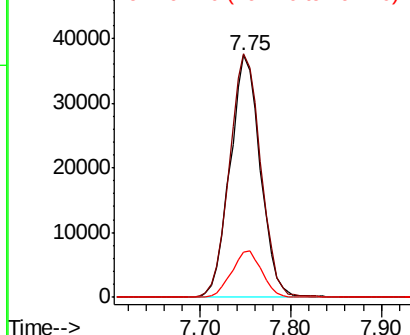
#35
 Dibromofluoromethane
 Concen: 50.109 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY001442.D
 Acq: 30 Jan 2020 19:42

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 86670
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 19.3 15.5 23.3

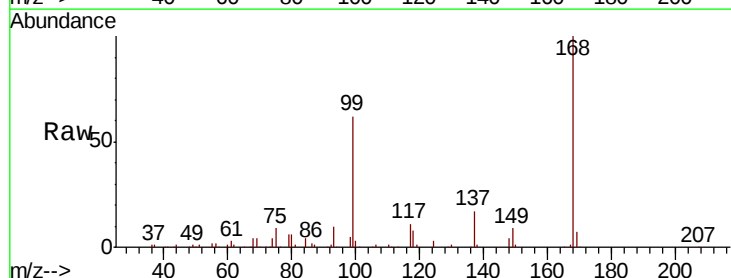


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

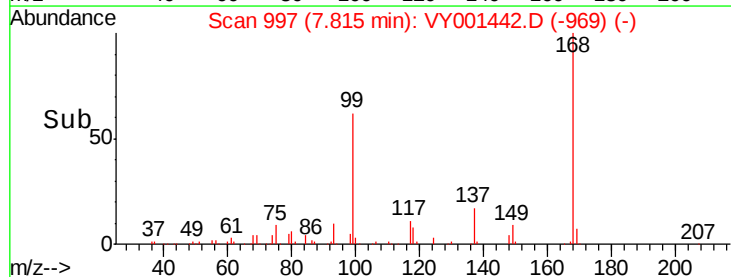
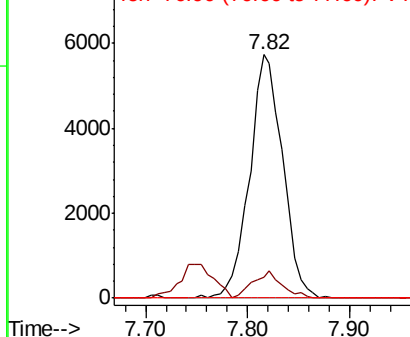


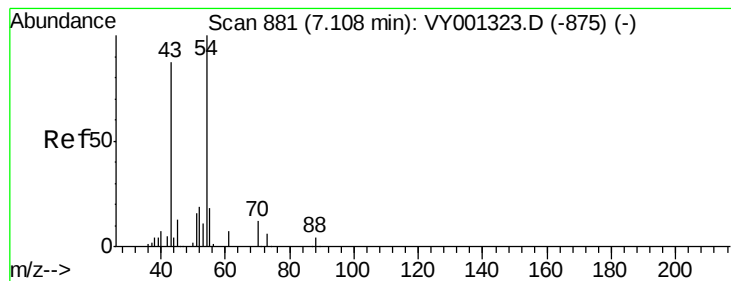
#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001442.D
 Acq: 30 Jan 2020 19:42

Tgt Ion: 75 Resp: 12933
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.6 52.8#
 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





#37

Ethyl Acetate

Concen: 1.291 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.09 min

Lab File: VY001442.D

Acq: 30 Jan 2020 19:42

Instrument :

MSVOA_Y

ClientSampled :

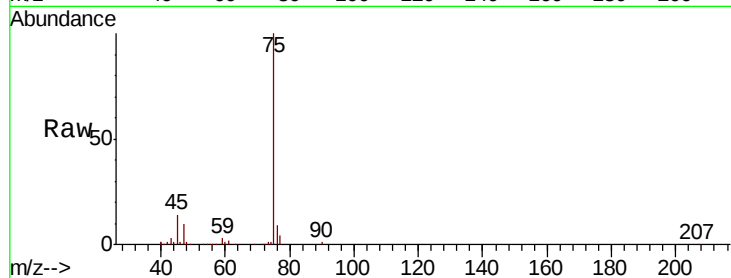
Tot Ion: 43 Resp: 2196

Ion Ratio Lower Upper

43 100

61 74.7 11.3 16.9#

70 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

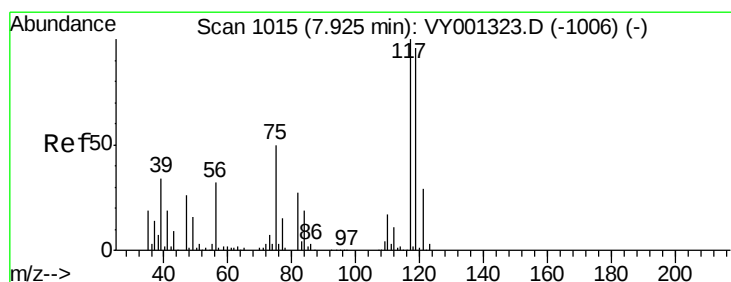
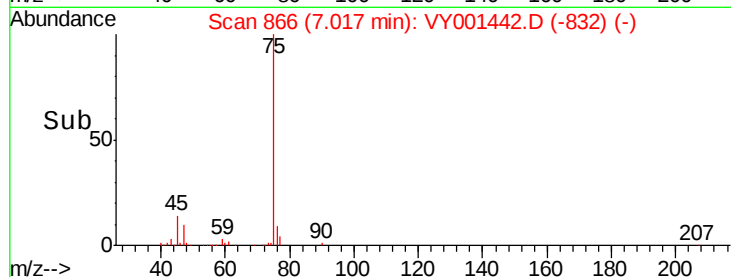
Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0

7.02

6.95 7.00 7.05 7.10

Time-->



#38

Carbon Tetrachloride

Concen: 6.336 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001442.D

Acq: 30 Jan 2020 19:42

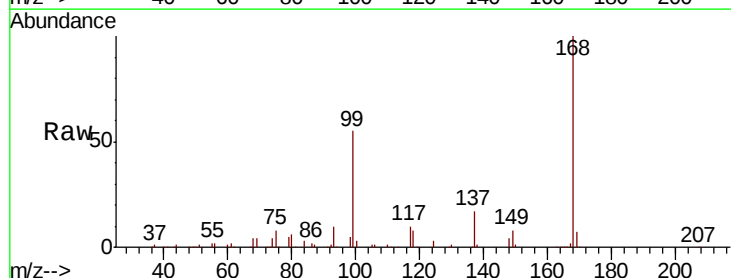
Tgt Ion: 117 Resp: 15722

Ion Ratio Lower Upper

117 100

119 3.8 76.3 114.5#

121 0.0 23.5 35.3#



Abundance Ion 116.80 (116.50 to 117.50): V

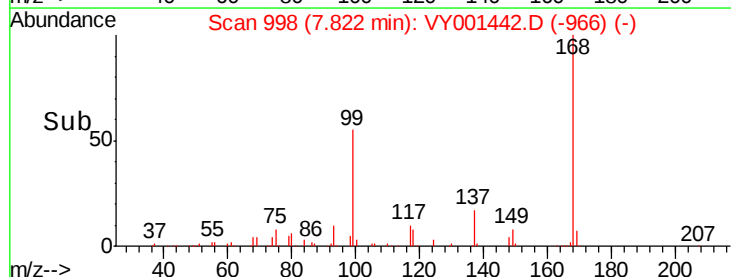
Ion 118.80 (118.50 to 119.50): V

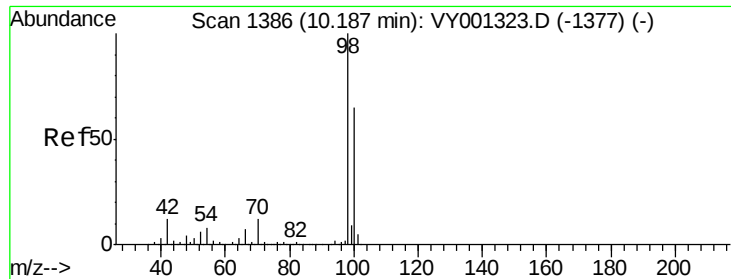
Ion 120.80 (120.50 to 121.50): V

7.82

7.75 7.80 7.85 7.90

Time-->





#50

Toluene-d8

Concen: 51.601 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001442.D

Acq: 30 Jan 2020 19:42

Instrument :

MSVOA_Y

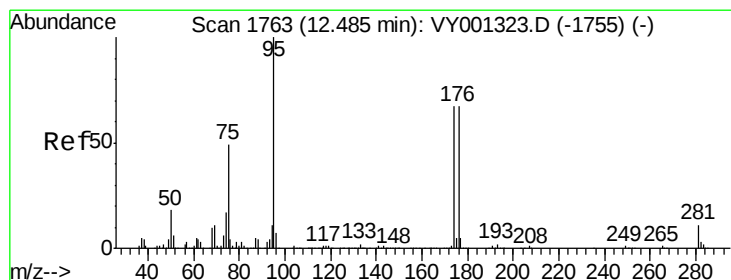
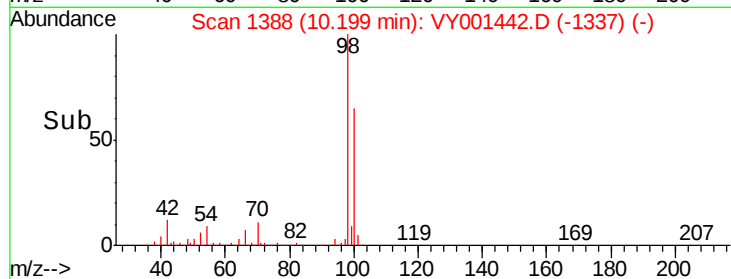
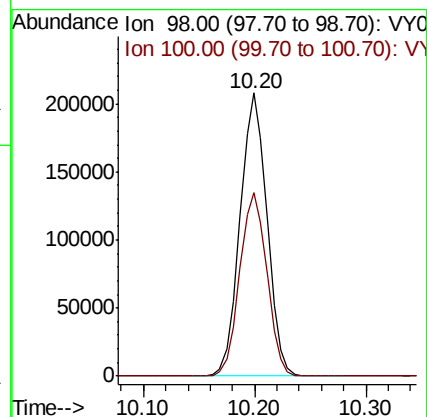
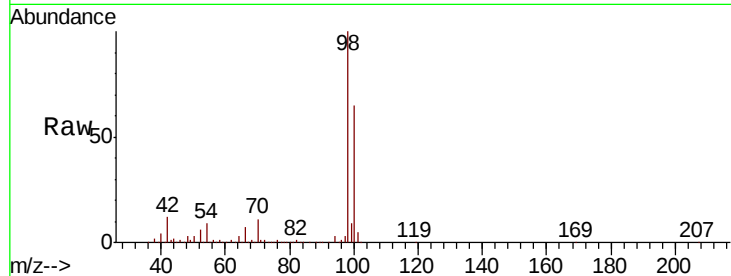
ClientSampleId :

Tot Ion: 98 Resp: 346757

Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 43.671 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001442.D

Acq: 30 Jan 2020 19:42

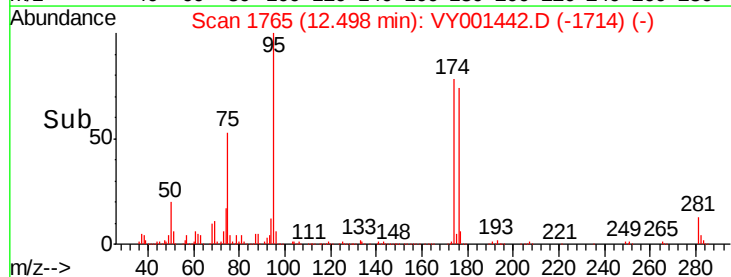
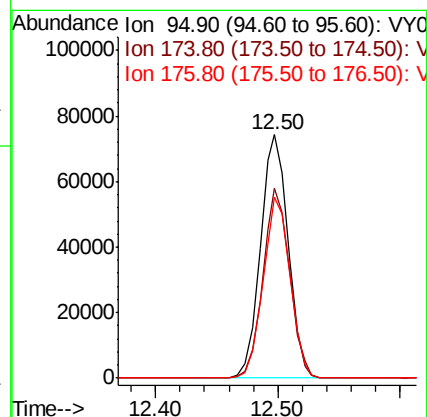
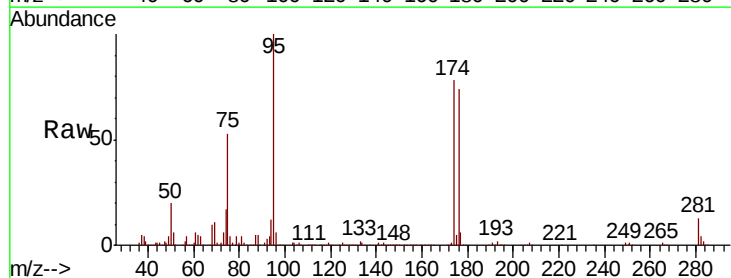
Tgt Ion: 95 Resp: 116868

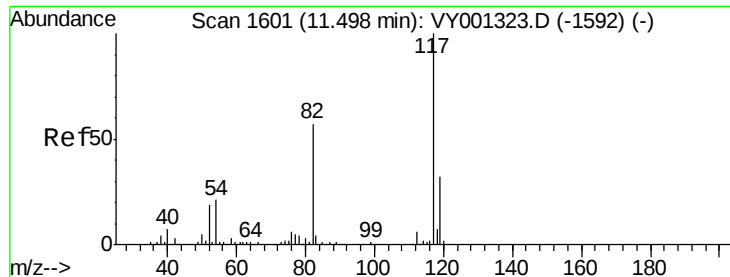
Ion Ratio Lower Upper

95 100

174 75.6 0.0 142.0

176 72.5 0.0 138.6

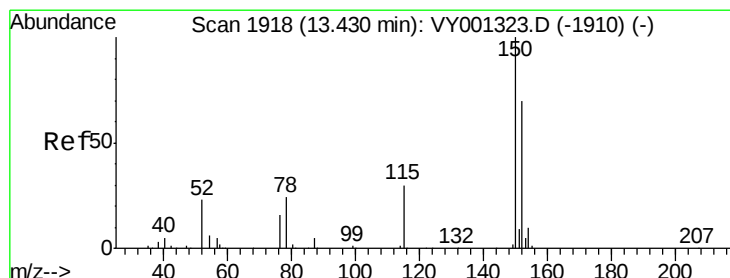
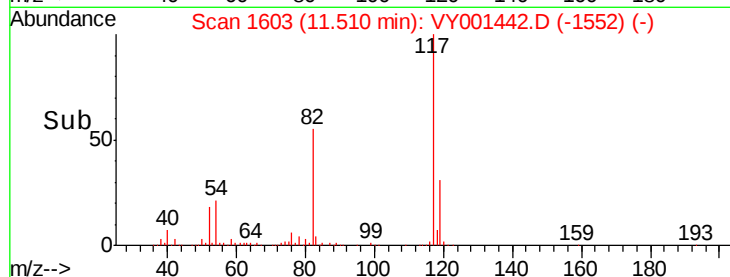
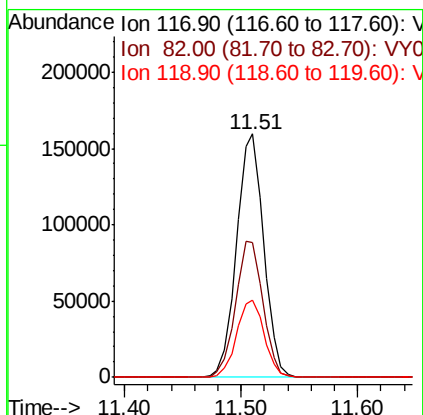
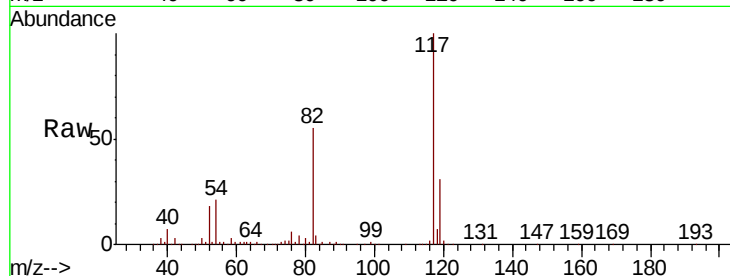




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001442.D
Acq: 30 Jan 2020 19:42

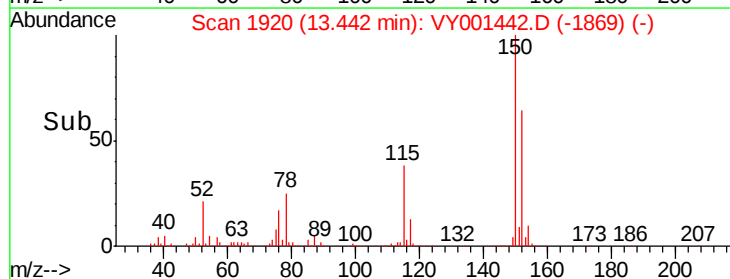
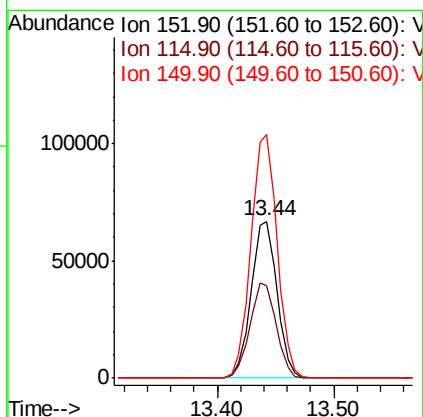
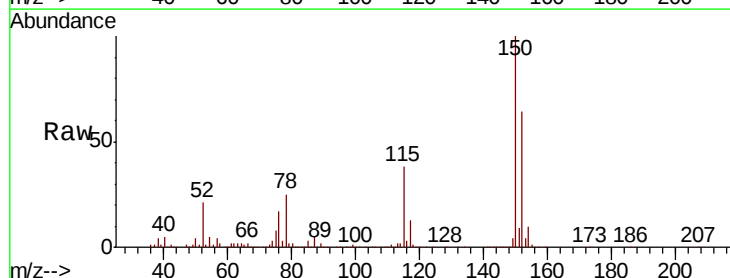
Instrument :
MSVOA_Y
ClientSampleId :

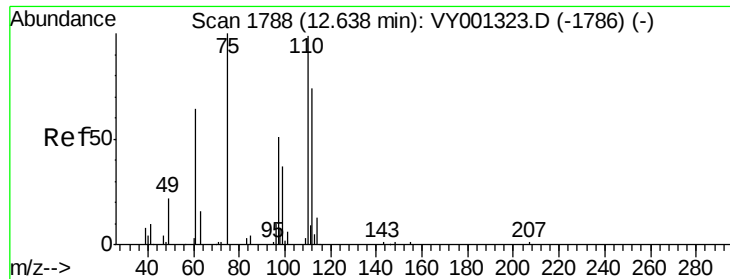
Tot Ion:117 Resp: 258884
Ion Ratio Lower Upper
117 100
82 55.1 45.5 68.3
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001442.D
Acq: 30 Jan 2020 19:42

Tgt Ion:152 Resp: 103972
Ion Ratio Lower Upper
152 100
115 61.6 30.9 92.8
150 157.0 0.0 349.2

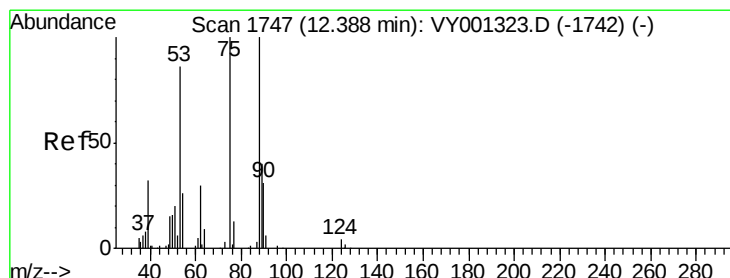
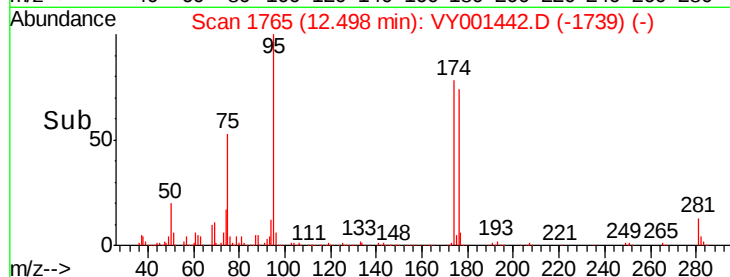
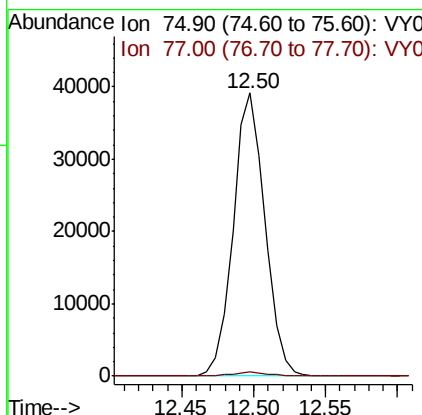
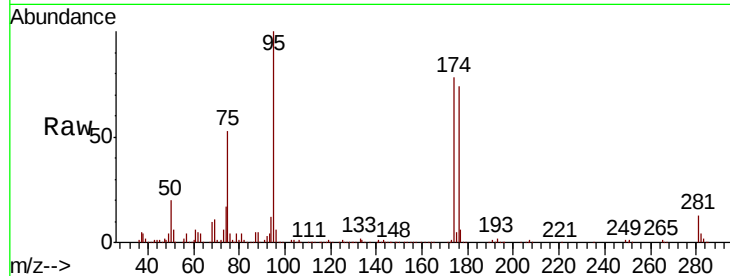




#76
 1,2,3-Trichloropropane
 Concen: 47.769 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. -0.14 min
 Lab File: VY001442.D
 Acq: 30 Jan 2020 19:42

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 59848
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.397 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.11 min
 Lab File: VY001442.D
 Acq: 30 Jan 2020 19:42

Tgt Ion: 75 Resp: 59848
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.9 104.9#
 89 0.1 36.6 54.8#

