

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000390.D
 Acq On : 23 Oct 2019 18:41
 Operator : SY/MD
 Sample : K5500-08
 Misc : 7.56G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:48:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	215889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	367861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	299026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	111265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	125983	55.32	ug/l	0.00
Spiked Amount						
			Recovery	=	110.64%	
35) Dibromofluoromethane	7.73	113	106183	47.85	ug/l	0.00
Spiked Amount						
			Recovery	=	95.70%	
50) Toluene-d8	10.18	98	421139	49.34	ug/l	0.00
Spiked Amount						
			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.48	95	121279	37.40	ug/l	0.00
Spiked Amount						
			Recovery	=	74.80%	

Target Compounds

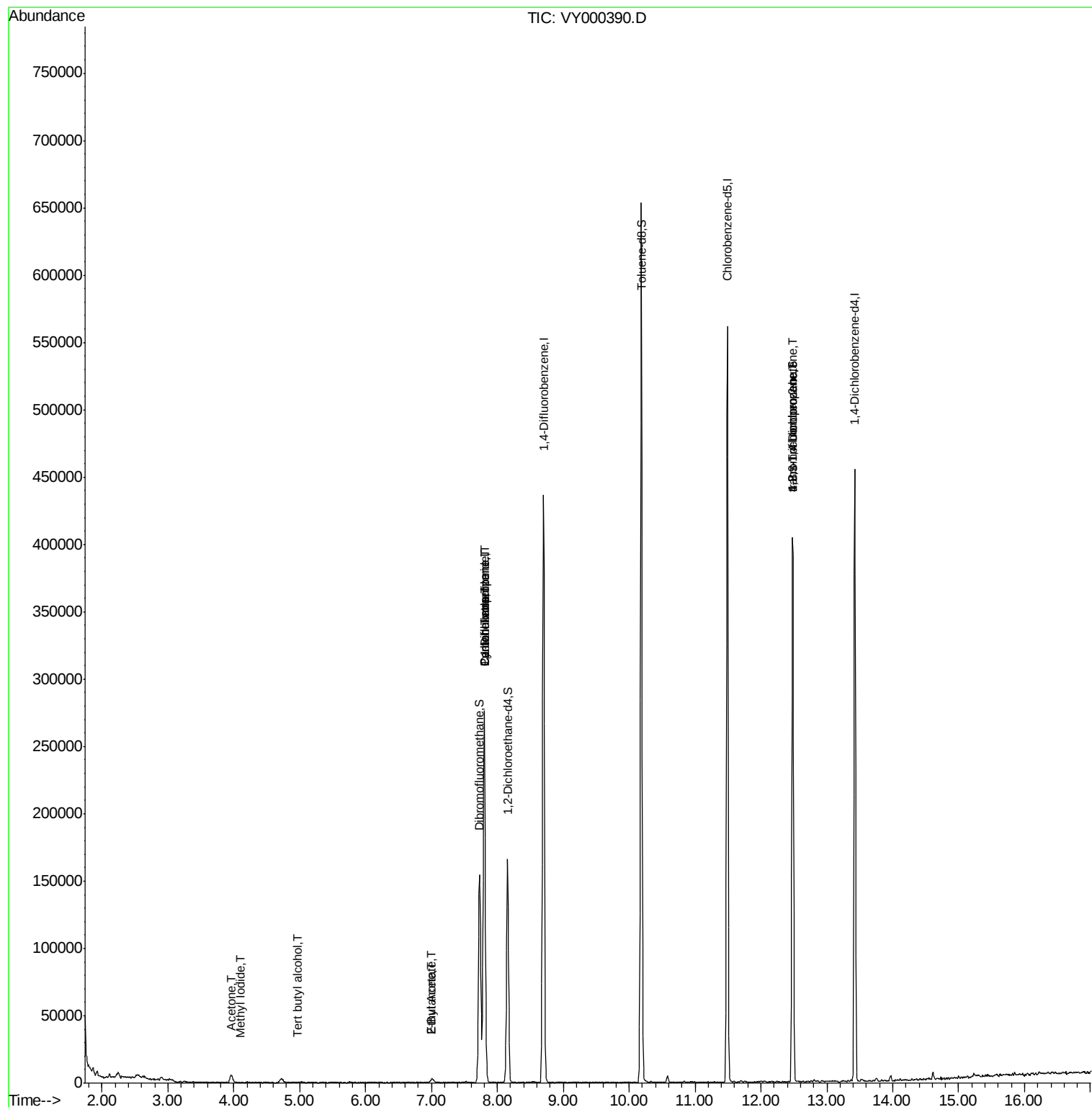
					Qvalue	
10) Methyl Iodide	4.10	142	75	1.209	ug/l #	41
11) Tert butyl alcohol	4.98	59	481	2.018	ug/l	97
16) Acetone	3.96	43	10535	14.285	ug/l	99
20) Methylene Chloride	4.71	84	1434	Below Cal	#	51
25) 2-Butanone	7.00	43	2688	2.587	ug/l #	69
31) Cyclohexane	7.80	56	4657	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16349	4.539	ug/l #	48
37) Ethyl Acetate	7.00	43	2688	1.260	ug/l #	67
38) Carbon Tetrachloride	7.80	117	20711	5.939	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	62935	45.999	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	62935	100.644	ug/l #	14

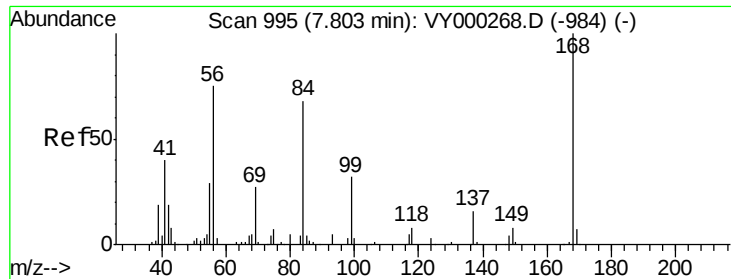
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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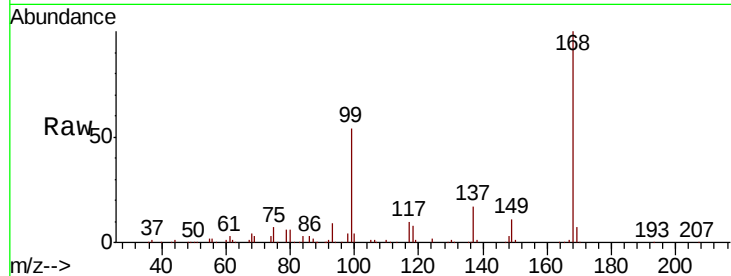


#1

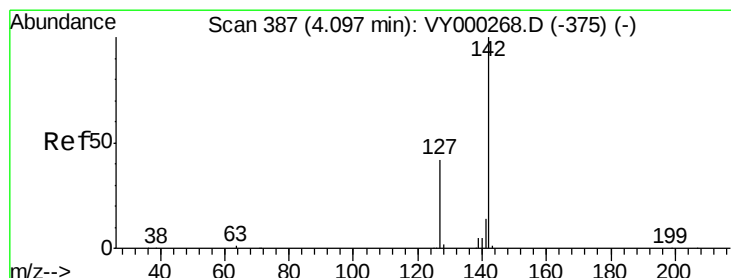
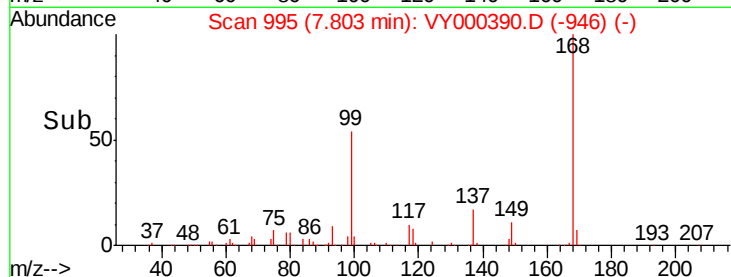
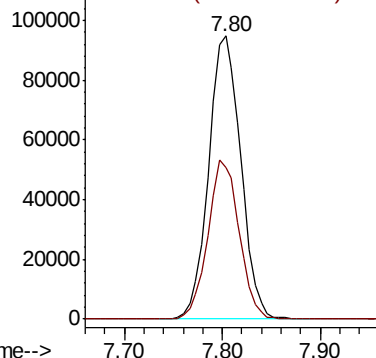
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VY000390.D
 Acq: 23 Oct 2019 18:41

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:168 Resp: 215889
 Ion Ratio Lower Upper
 168 100
 99 53.7 46.6 69.8



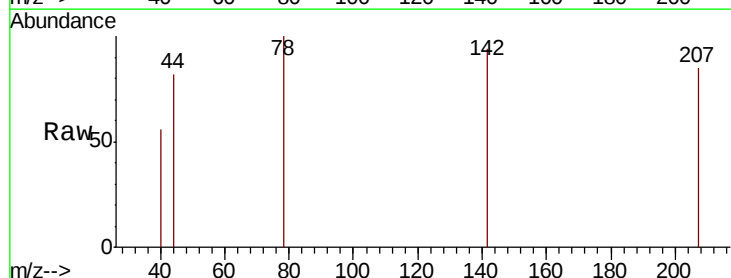
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VY0



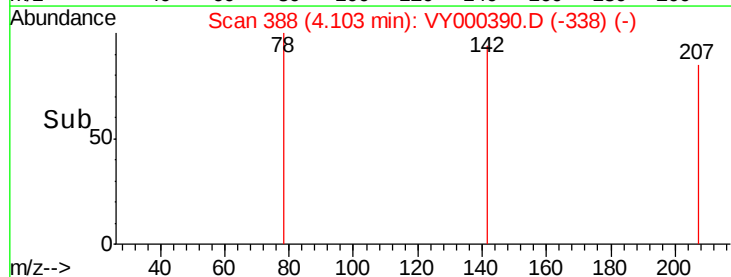
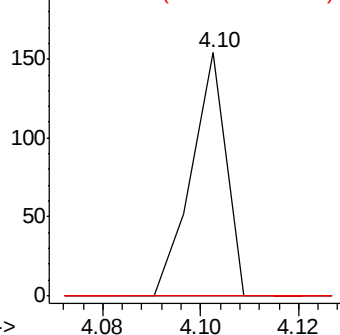
#10

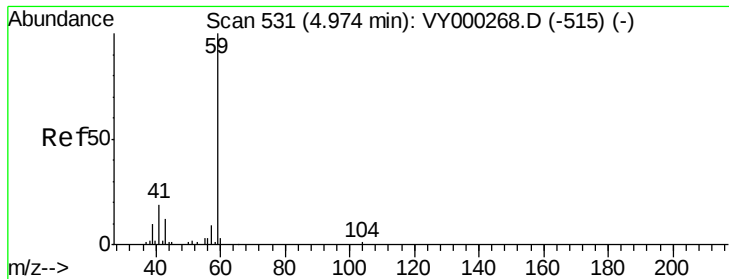
Methyl Iodide
 Concen: 1.209 ug/l
 RT: 4.10 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VY000390.D
 Acq: 23 Oct 2019 18:41

Tgt Ion:142 Resp: 75
 Ion Ratio Lower Upper
 142 100
 127 0.0 33.9 50.9#
 141 0.0 11.2 16.8#



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



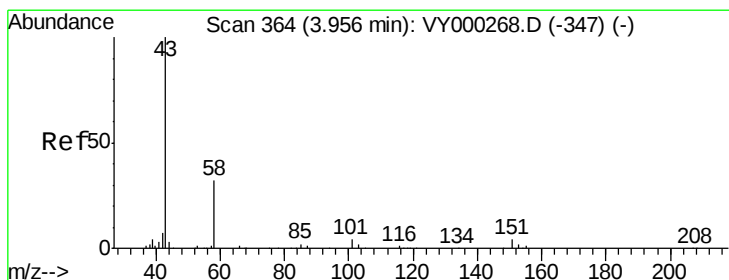
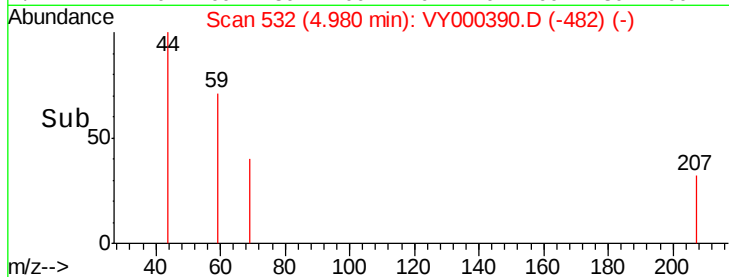
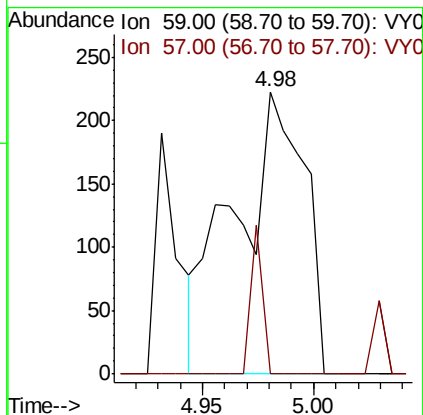
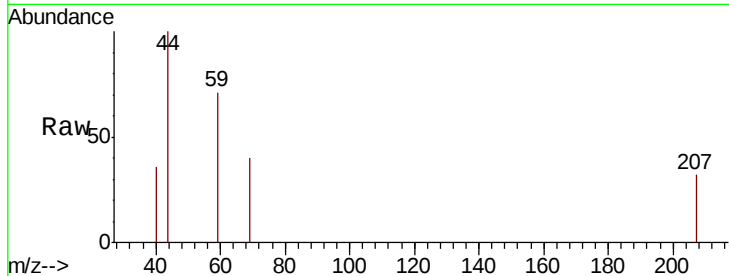


#11

Tert butyl alcohol
 Concen: 2.018 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY000390.D
 Acq: 23 Oct 2019 18:41

Instrument :
 MSVOA_Y
 ClientSampled :

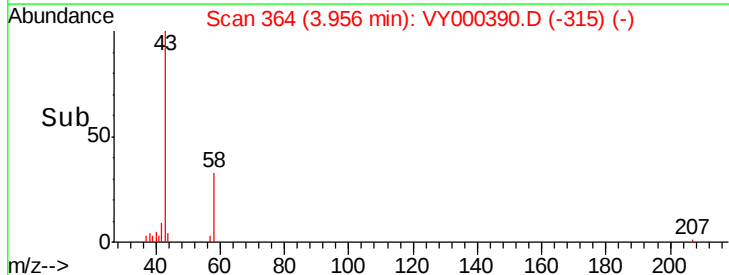
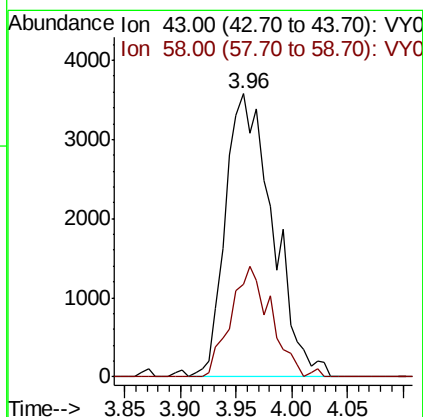
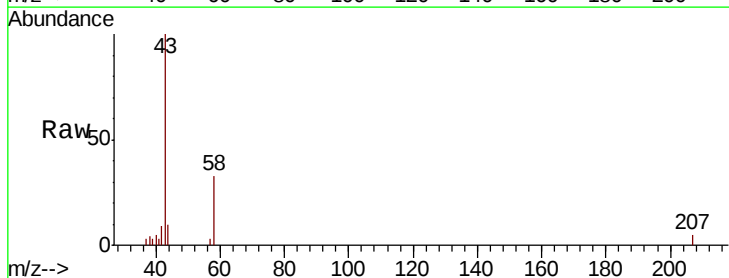
Tot Ion: 59 Resp: 481
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.2 12.2

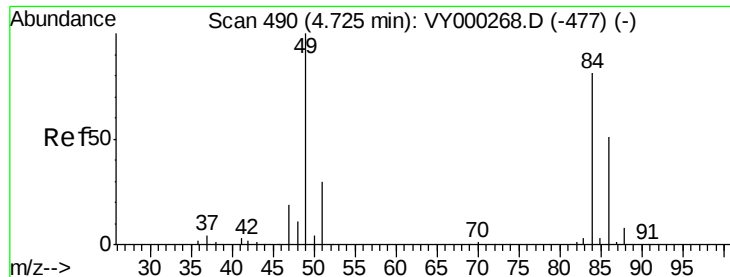


#16

Acetone
 Concen: 14.285 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VY000390.D
 Acq: 23 Oct 2019 18:41

Tgt Ion: 43 Resp: 10535
 Ion Ratio Lower Upper
 43 100
 58 32.6 25.8 38.6

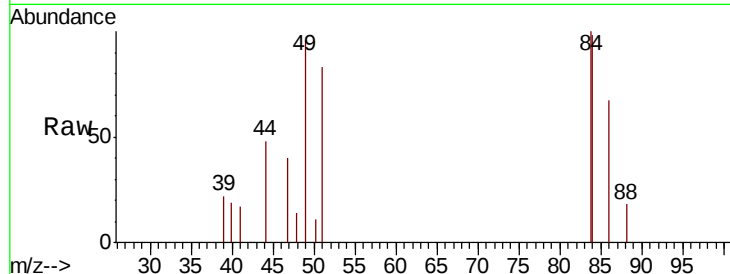




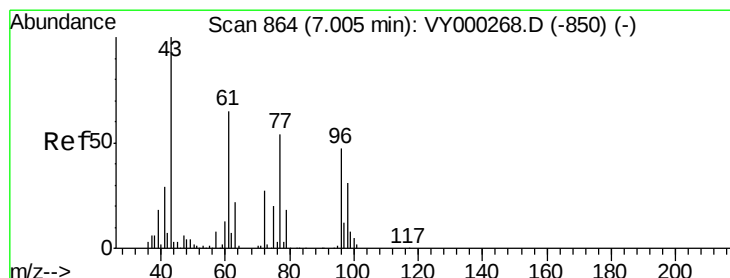
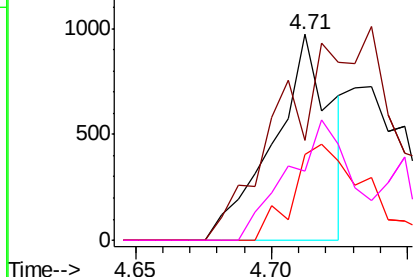
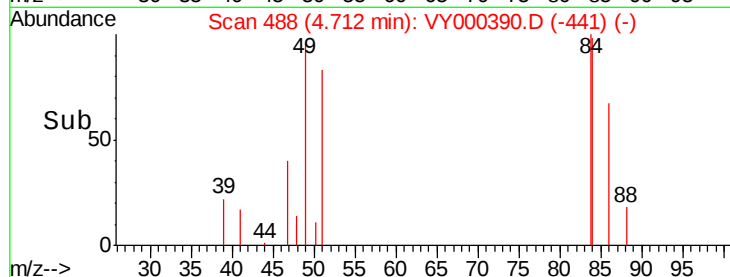
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000390.D
Acq: 23 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 1434
Ion Ratio Lower Upper
84 100
49 48.3 99.0 148.4#
51 42.0 29.3 43.9
86 33.6 50.2 75.4#

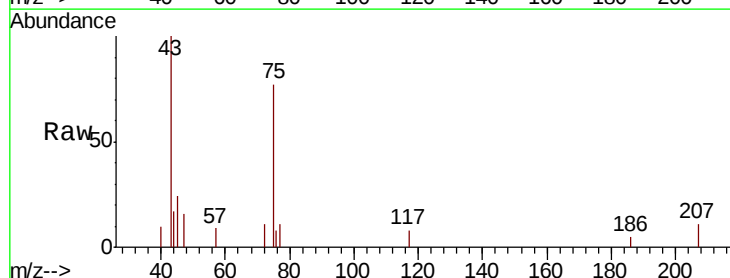


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

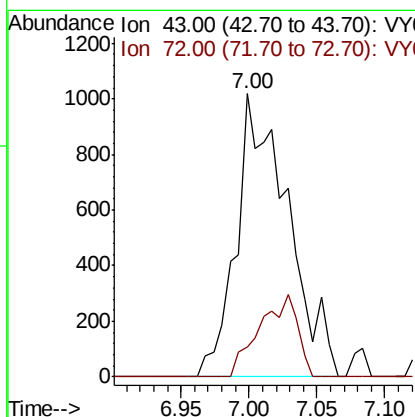
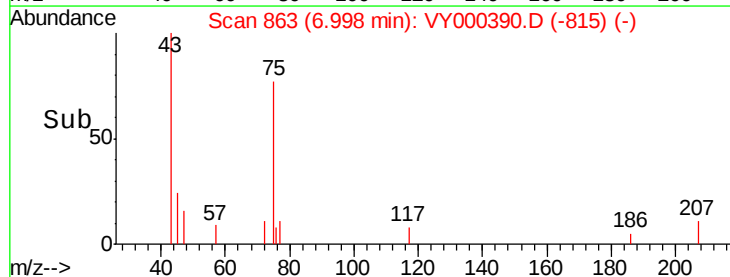


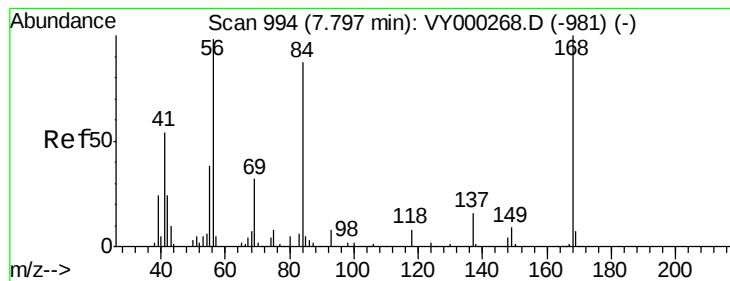
#25
2-Butanone
Concen: 2.587 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000390.D
Acq: 23 Oct 2019 18:41

Tgt Ion: 43 Resp: 2688
Ion Ratio Lower Upper
43 100
72 10.6 21.4 32.2#



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





#31

Cyclohexane

Concen: 1.069 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000390.D

Acq: 23 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampled :

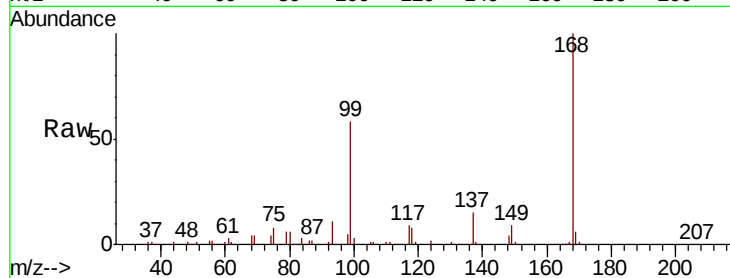
Tot Ion: 56 Resp: 4657

Ion Ratio Lower Upper

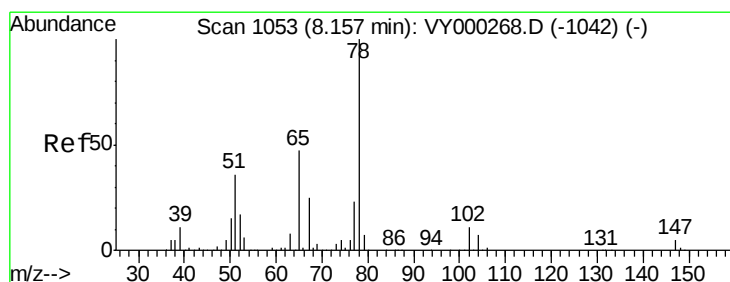
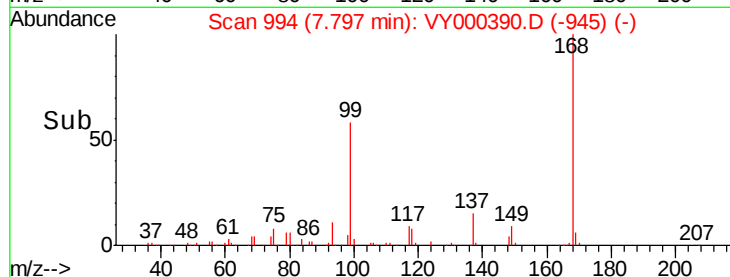
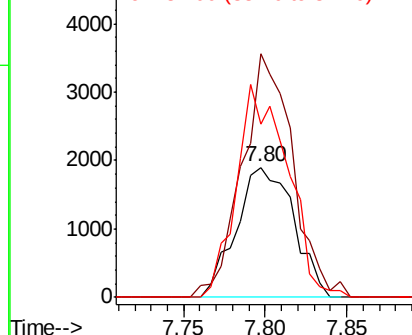
56 100

69 187.0 26.3 39.5#

84 133.0 70.8 106.2#



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: 55.321 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000390.D

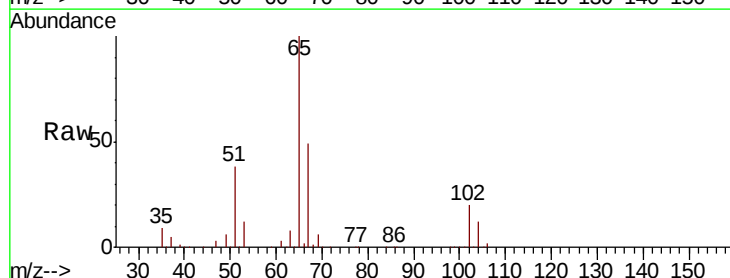
Acq: 23 Oct 2019 18:41

Tgt Ion: 65 Resp: 125983

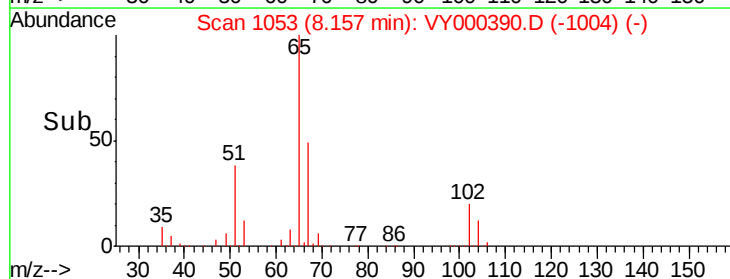
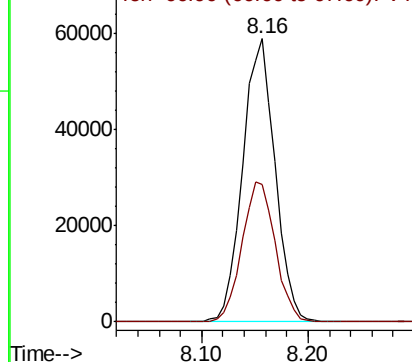
Ion Ratio Lower Upper

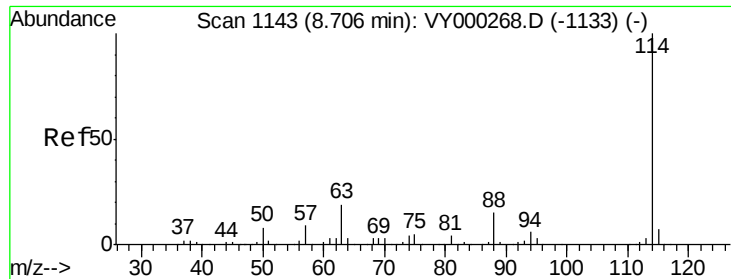
65 100

67 50.9 0.0 109.4



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

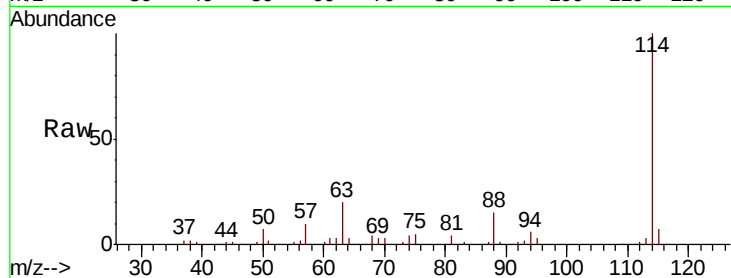




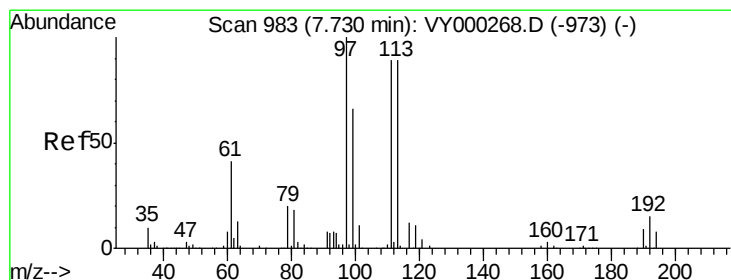
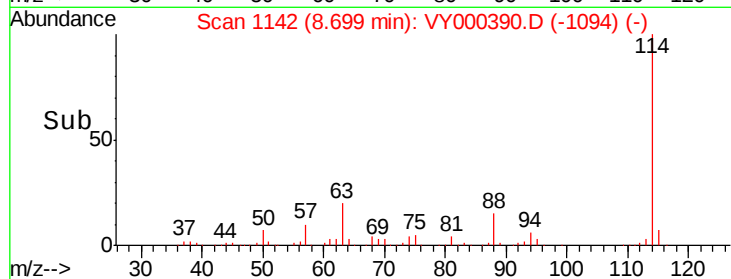
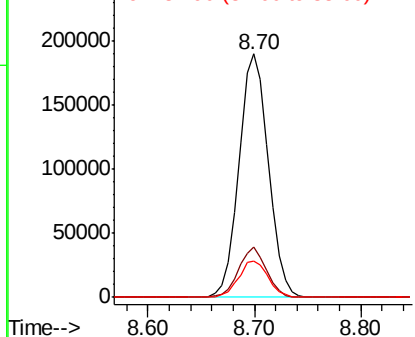
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000390.D
 Acq: 23 Oct 2019 18:41

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 367861
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 37.2
 88 14.7 0.0 30.2

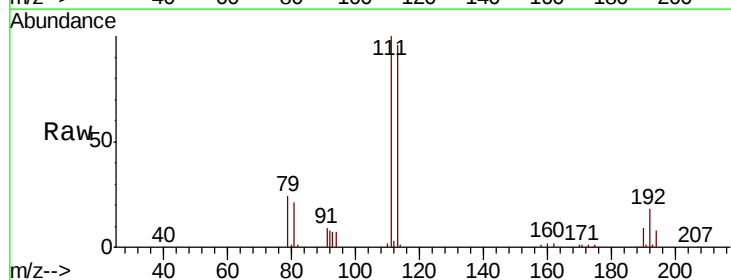


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

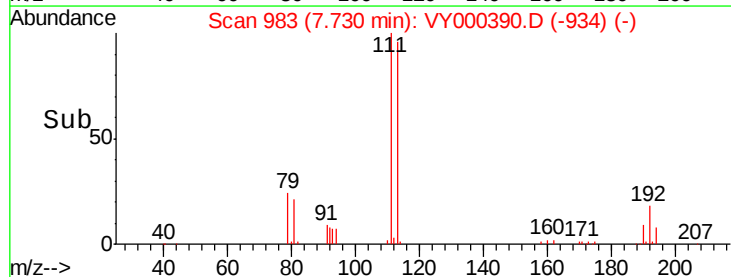
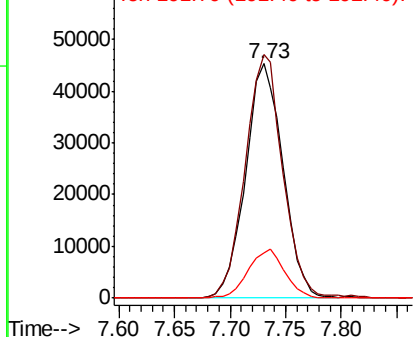


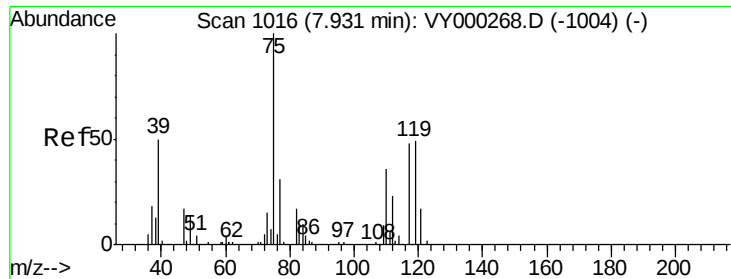
#35
 Dibromofluoromethane
 Concen: 47.852 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000390.D
 Acq: 23 Oct 2019 18:41

Tgt Ion:113 Resp: 106183
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.6 122.4
 192 20.2 15.3 22.9



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

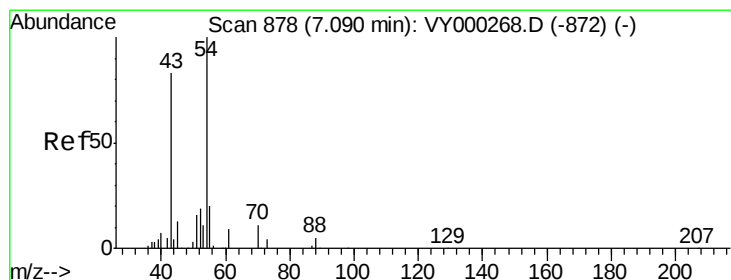
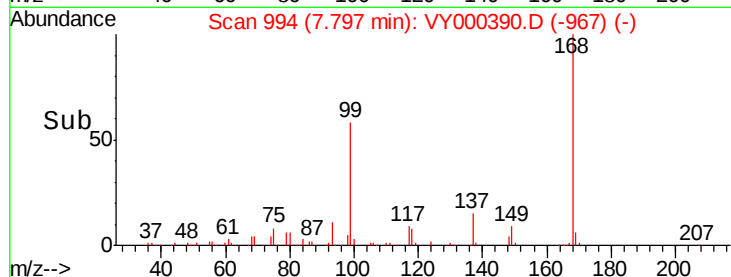
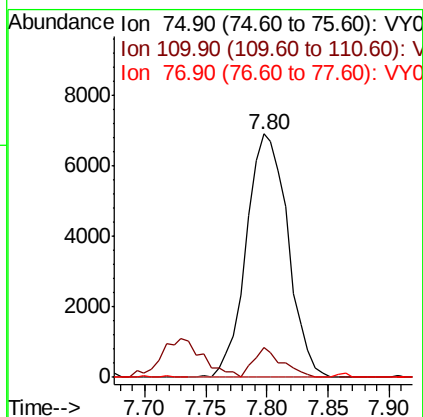
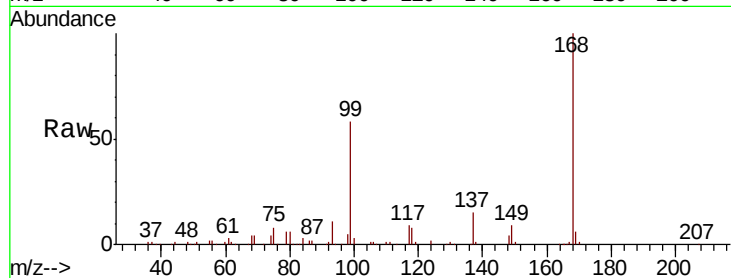




#36
 1,1-Dichloropropene
 Concen: 4.539 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000390.D
 Acq: 23 Oct 2019 18:41

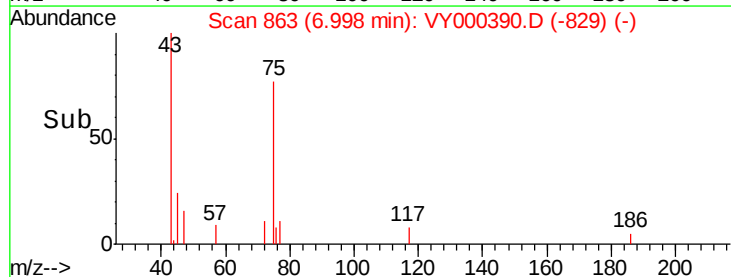
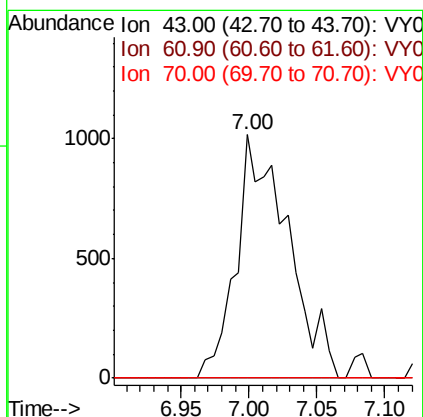
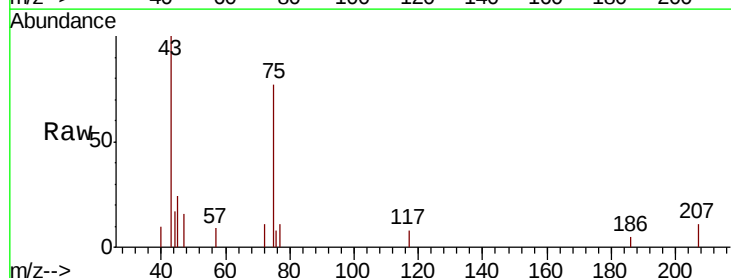
Instrument :
 MSVOA_Y
 ClientSampleId :

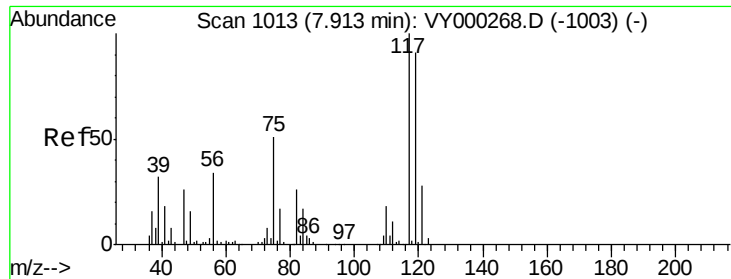
Tot Ion: 75 Resp: 16349
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.4#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 1.260 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VY000390.D
 Acq: 23 Oct 2019 18:41

Tgt Ion: 43 Resp: 2688
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 8.7 13.1#

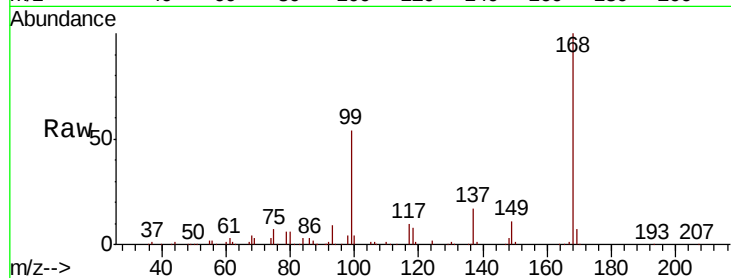




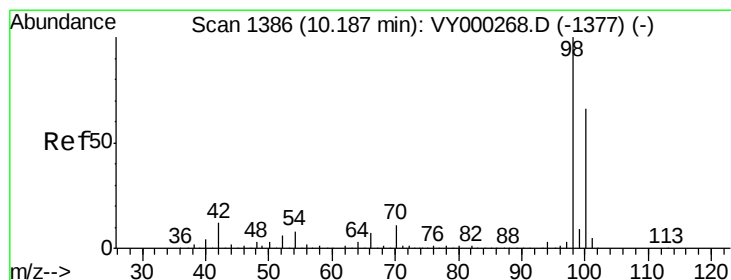
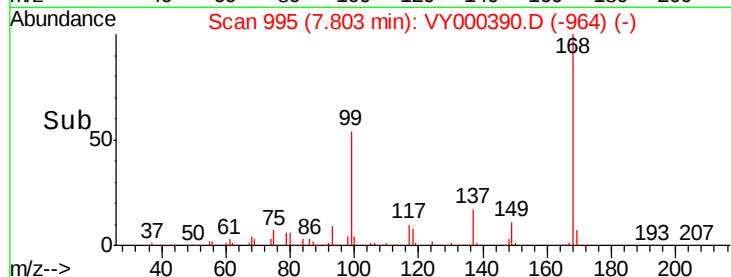
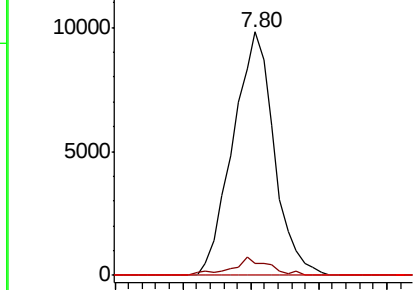
#38
Carbon Tetrachloride
Concen: 5.939 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000390.D
Acq: 23 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 20711
Ion Ratio Lower Upper
117 100
119 4.8 72.8 109.2#
121 0.0 22.2 33.2#

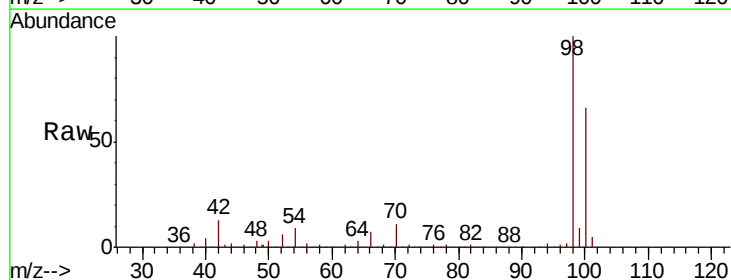


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

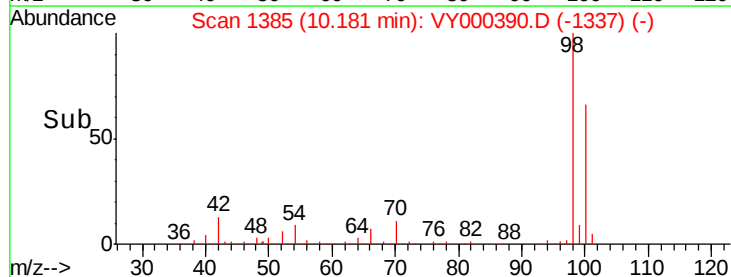
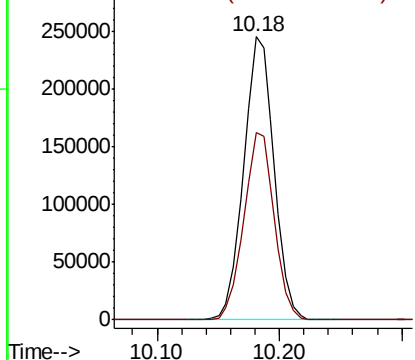


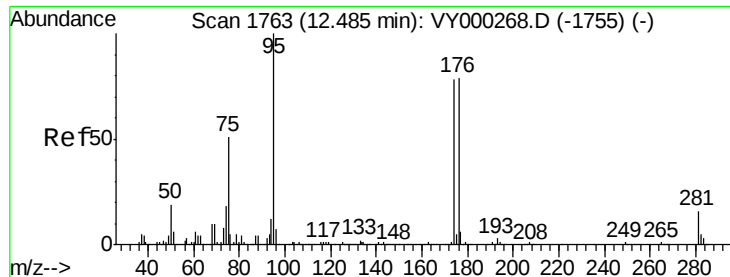
#50
Toluene-d8
Concen: 49.338 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000390.D
Acq: 23 Oct 2019 18:41

Tgt Ion: 98 Resp: 421139
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



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

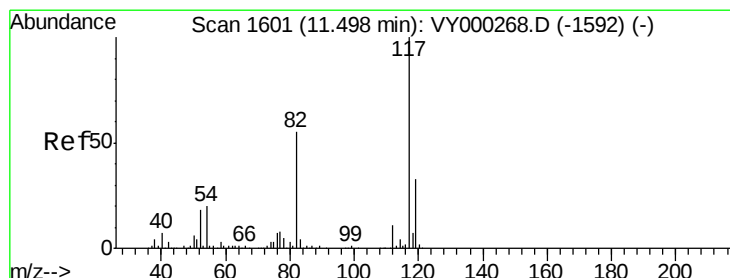
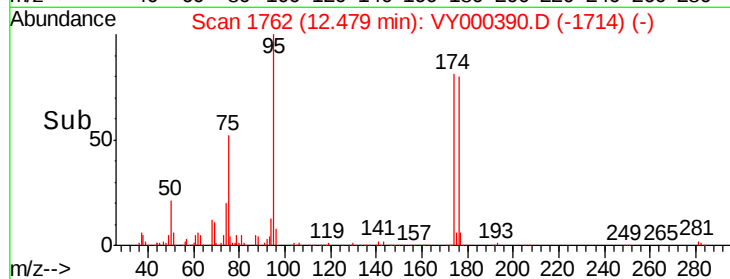
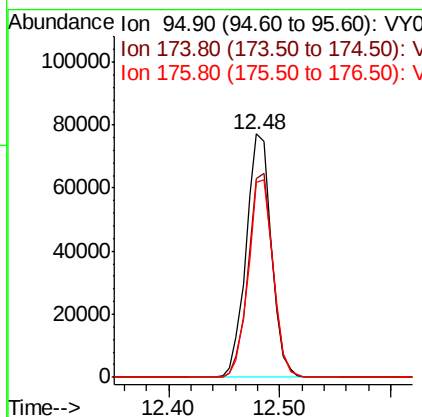
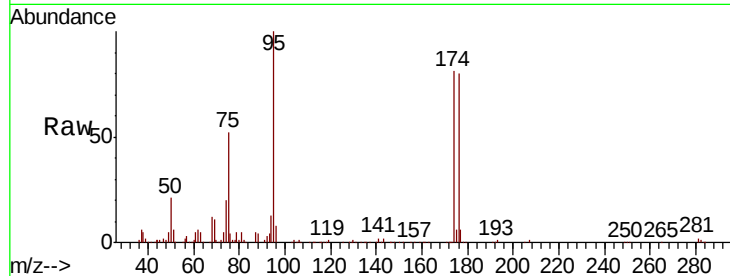




#62
4-Bromofluorobenzene
Concen: 37.399 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000390.D
Acq: 23 Oct 2019 18:41

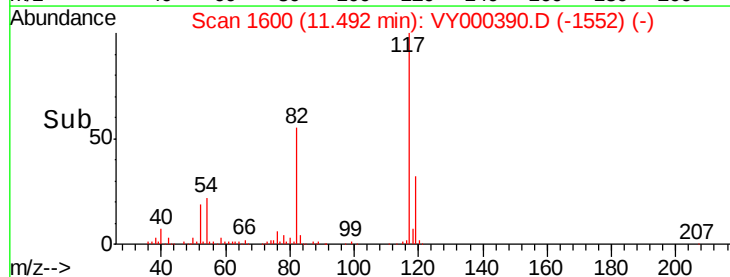
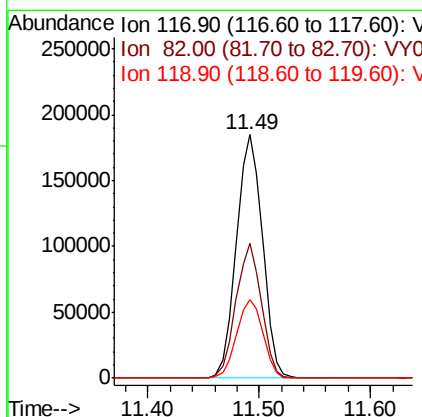
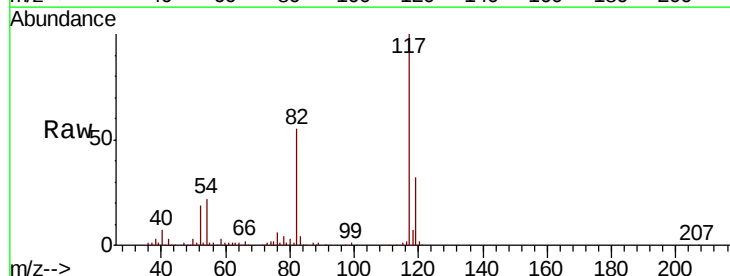
Instrument :
MSVOA_Y
ClientSampled :

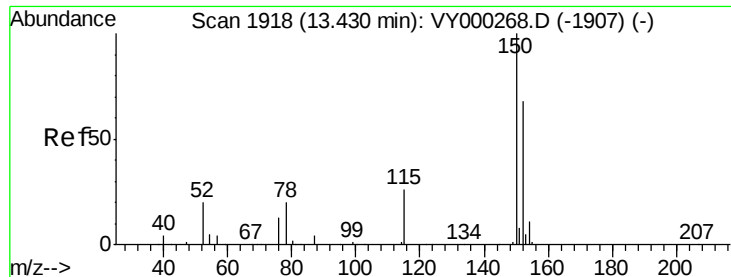
Tot Ion: 95 Resp: 121279
Ion Ratio Lower Upper
95 100
174 81.9 0.0 159.6
176 80.1 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000390.D
Acq: 23 Oct 2019 18:41

Tgt Ion: 117 Resp: 299026
Ion Ratio Lower Upper
117 100
82 55.2 43.7 65.5
119 32.3 26.6 39.8



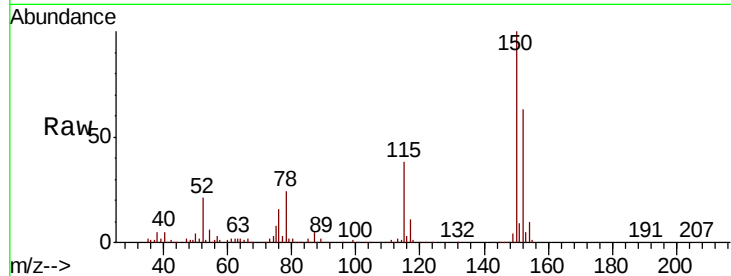


#72

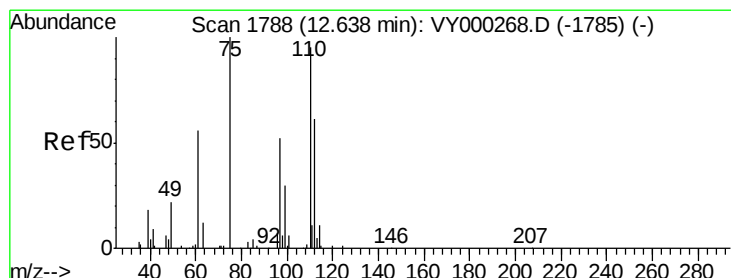
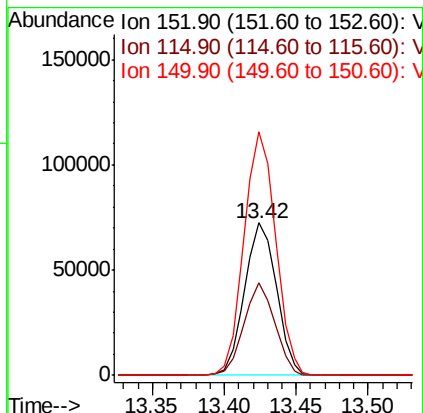
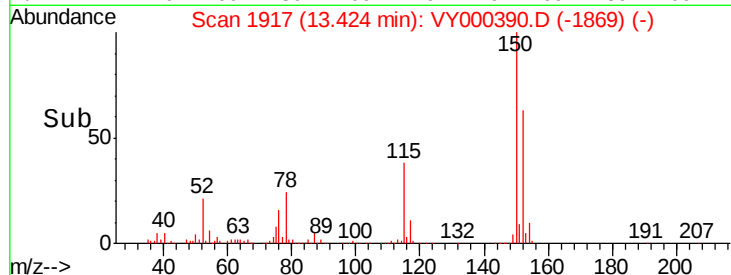
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000390.D
Acq: 23 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 111265
Ion Ratio Lower Upper
152 100
115 58.6 29.3 88.0
150 157.8 0.0 348.4



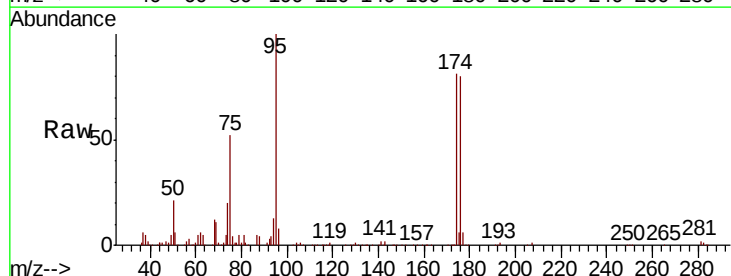
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



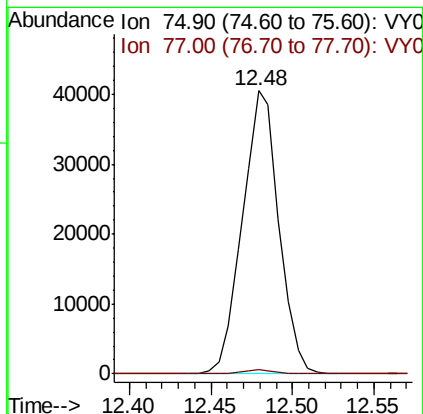
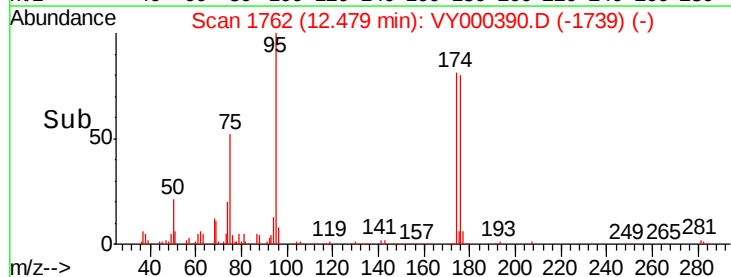
#76

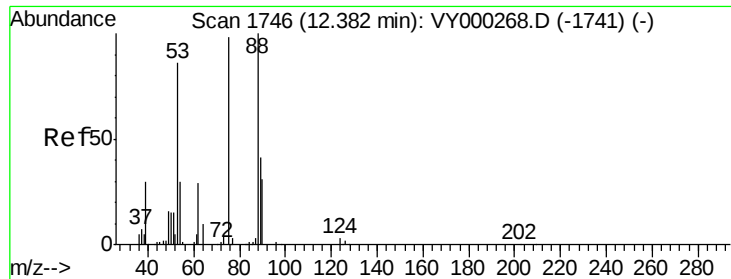
1,2,3-Trichloropropane
Concen: 45.999 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000390.D
Acq: 23 Oct 2019 18:41

Tgt Ion: 75 Resp: 62935
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: 100.644 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000390.D

Acq: 23 Oct 2019 18:41

Instrument :

MSVOA_Y

ClientSampleId :

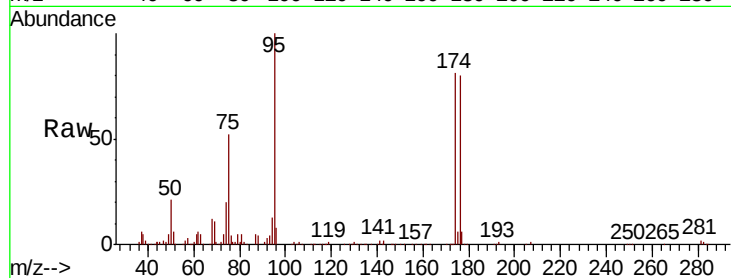
Tot Ion: 75 Resp: 62935

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#



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

