

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000750.D
 Acq On : 20 Nov 2019 13:08
 Operator : SY/MD
 Sample : K5927-02RE
 Misc : 7.14G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 07:41:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	188527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	330635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	286552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	126754	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	115075	58.98	ug/l	0.00
Spiked Amount			Recovery	=	117.96%	
35) Dibromofluoromethane	7.72	113	96455	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.18	98	385582	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.48	95	122222	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	

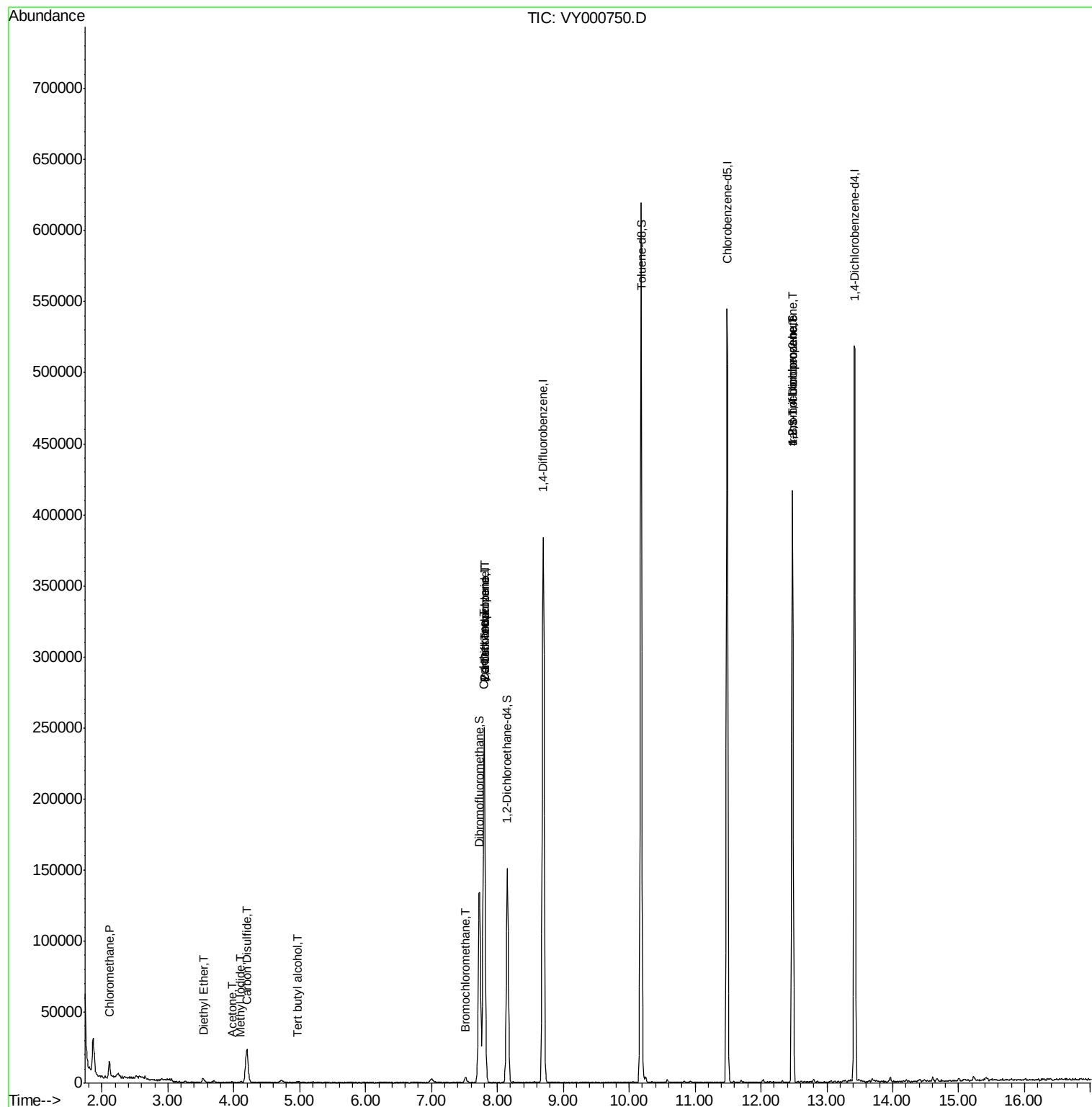
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	10294	4.027	ug/l #	83
8) Diethyl Ether	3.54	74	1292	1.134	ug/l	76
10) Methyl Iodide	4.10	142	624	3.428	ug/l #	70
11) Tert butyl alcohol	4.97	59	675	3.554	ug/l #	72
16) Acetone	3.96	43	1218	2.265	ug/l #	42
17) Carbon Disulfide	4.19	76	46211	7.780	ug/l	95
28) Bromochloromethane	7.51	49	328	4.276	ug/l #	14
31) Cyclohexane	7.79	56	4931	1.306	ug/l #	45
36) 1,1-Dichloropropene	7.80	75	16044	5.133	ug/l #	51
38) Carbon Tetrachloride	7.80	117	18724	6.226	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	67938	47.072	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	67938	105.543	ug/l #	13

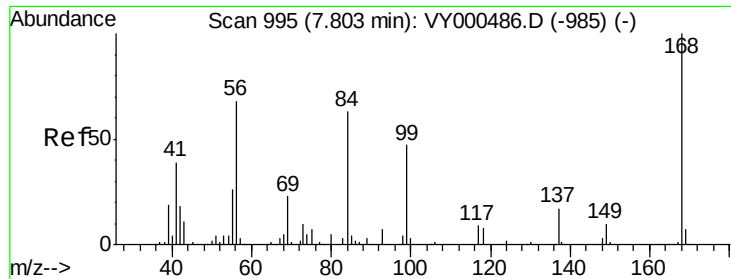
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000750.D

Acq: 20 Nov 2019 13:08

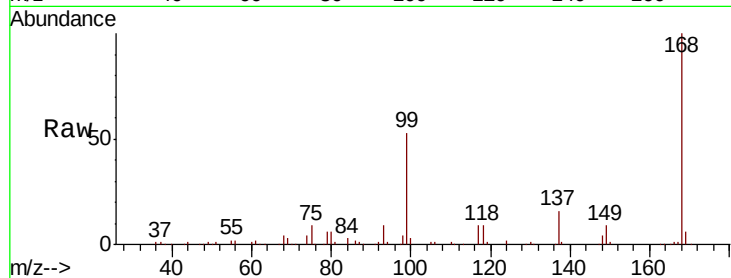
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 188527

Ion Ratio Lower Upper

168 100

99 52.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

100000

80000

60000

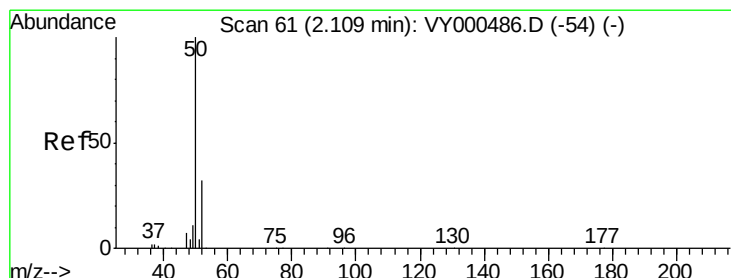
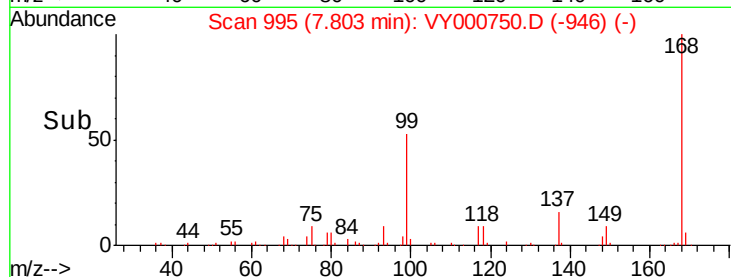
40000

20000

0

Time-->

7.70 7.80 7.90



#3

Chloromethane

Concen: 4.027 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000750.D

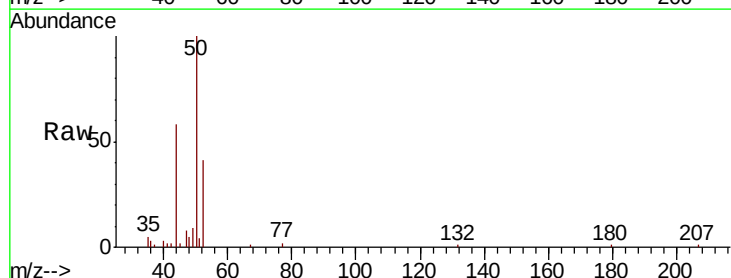
Acq: 20 Nov 2019 13:08

Tgt Ion: 50 Resp: 10294

Ion Ratio Lower Upper

50 100

52 40.9 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)

2.11

6000

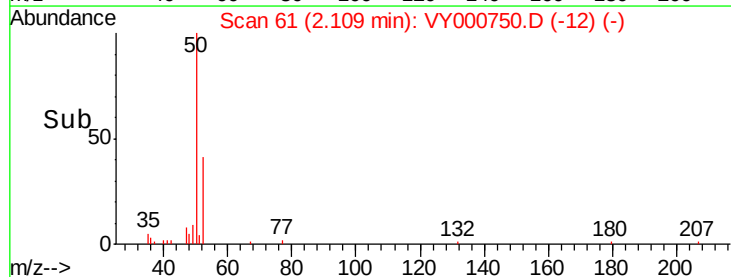
4000

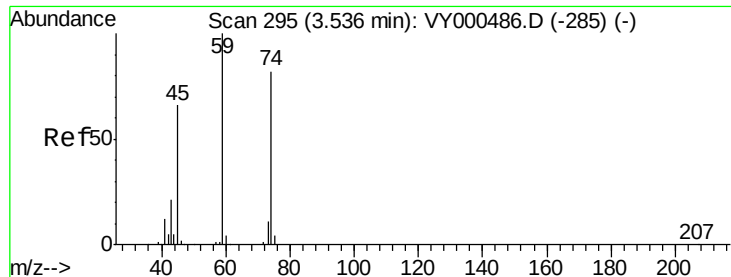
2000

0

Time-->

2.00 2.05 2.10 2.15 2.20





#8

Diethyl Ether

Concen: 1.134 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000750.D

Acq: 20 Nov 2019 13:08

Instrument :

MSVOA_Y

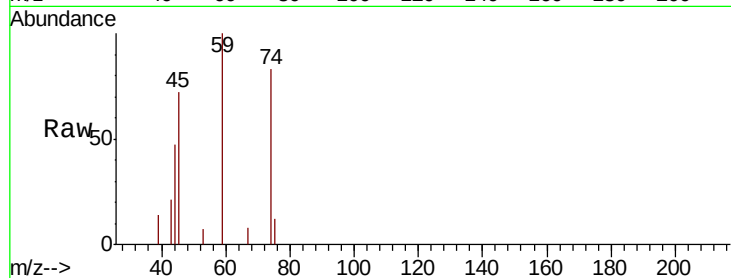
ClientSampleId :

Tot Ion: 74 Resp: 1292

Ion Ratio Lower Upper

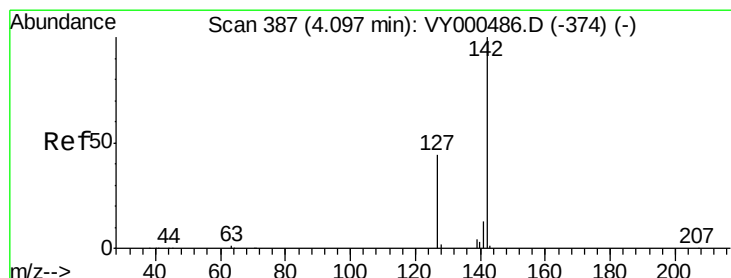
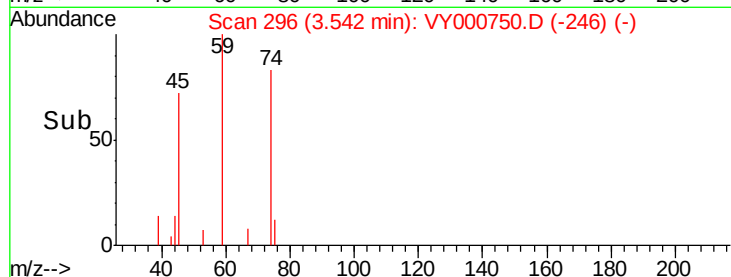
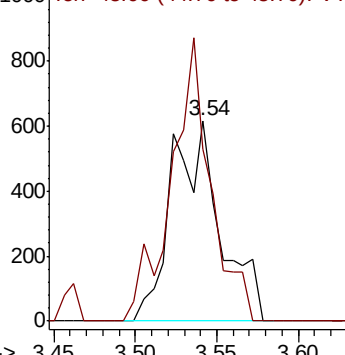
74 100

45 113.8 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0



#10

Methyl Iodide

Concen: 3.428 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000750.D

Acq: 20 Nov 2019 13:08

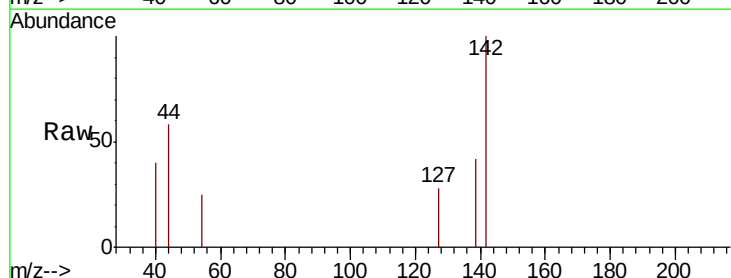
Tgt Ion: 142 Resp: 624

Ion Ratio Lower Upper

142 100

127 60.3 33.7 50.5#

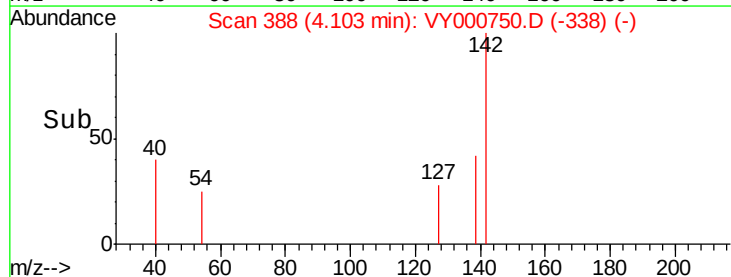
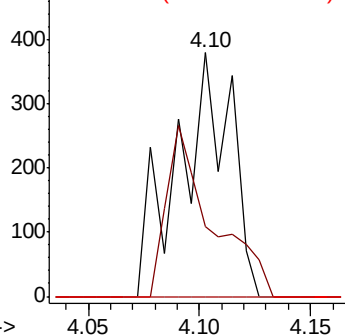
141 0.0 10.9 16.3#

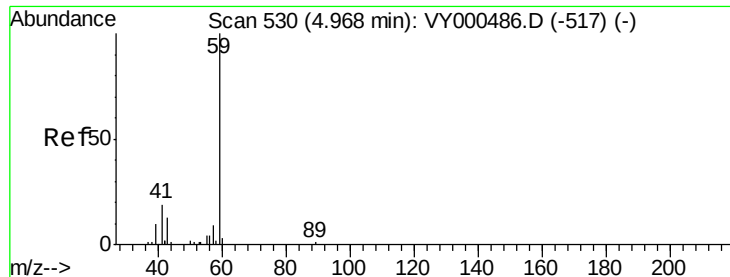


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



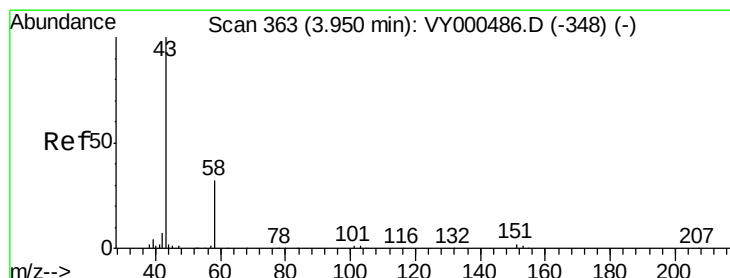
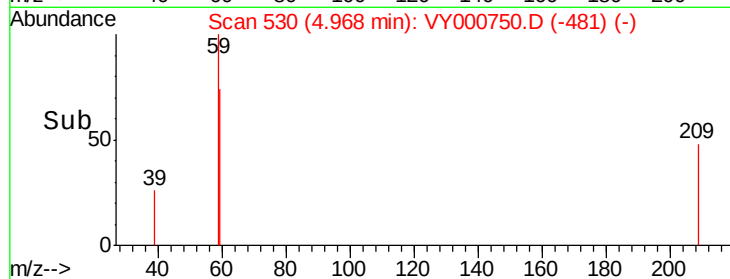
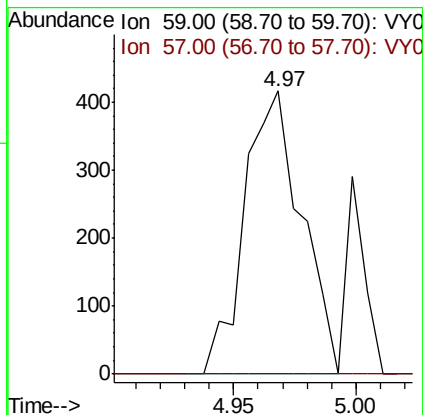
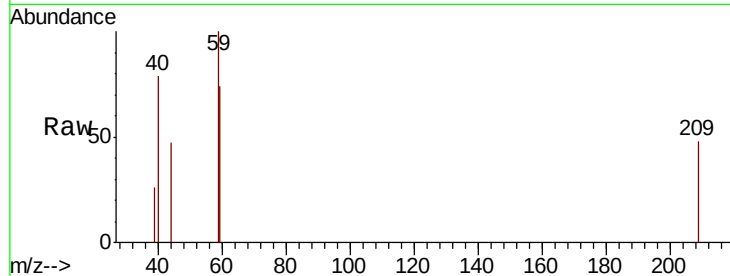


#11

Tert butyl alcohol
 Concen: 3.554 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VY000750.D
 Acq: 20 Nov 2019 13:08

Instrument :
 MSVOA_Y
 ClientSampleId :

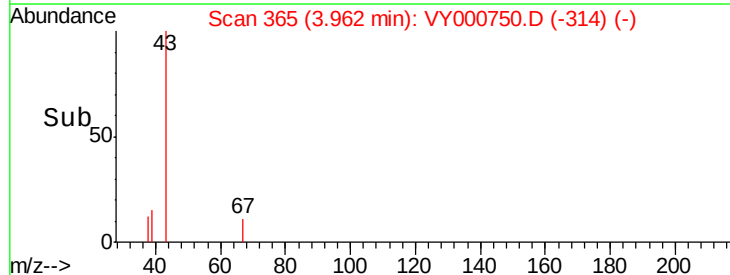
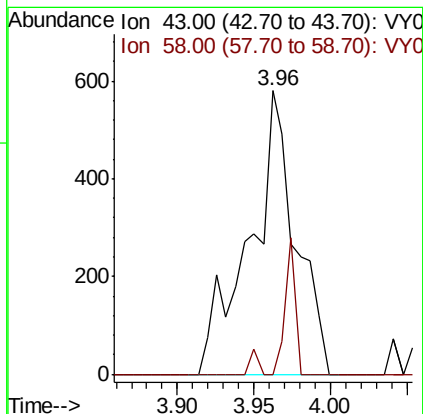
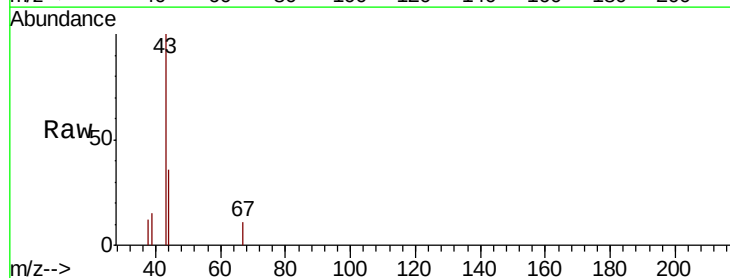
Tot Ion: 59 Resp: 675
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

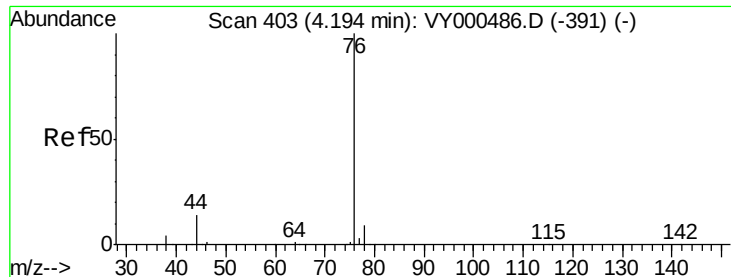


#16

Acetone
 Concen: 2.265 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000750.D
 Acq: 20 Nov 2019 13:08

Tgt Ion: 43 Resp: 1218
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.8 38.6#

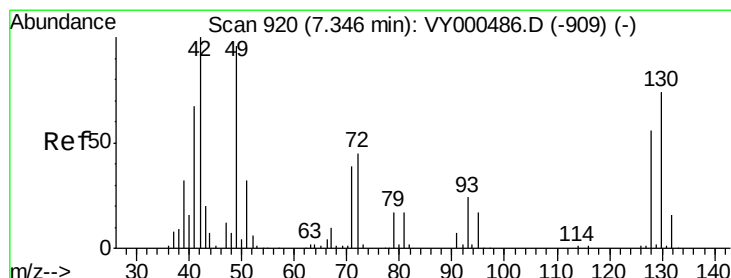
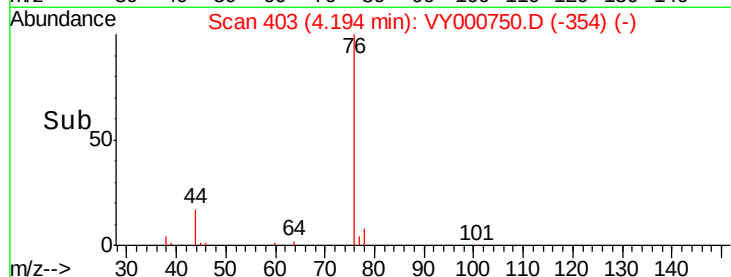
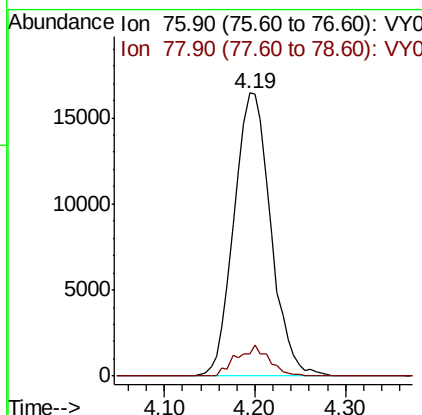
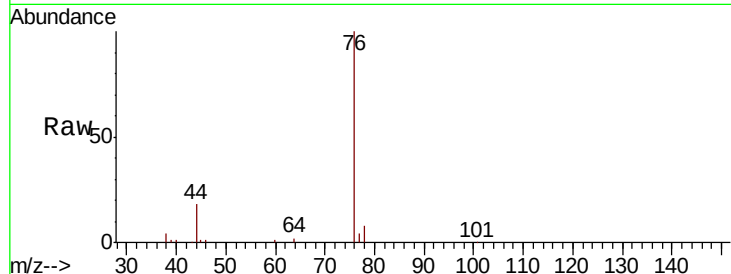




#17
Carbon Disulfide
Concen: 7.780 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY000750.D
Acq: 20 Nov 2019 13:08

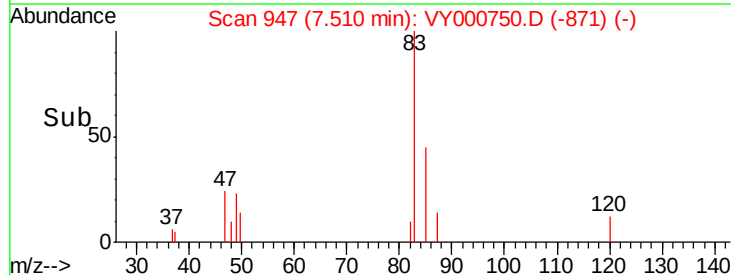
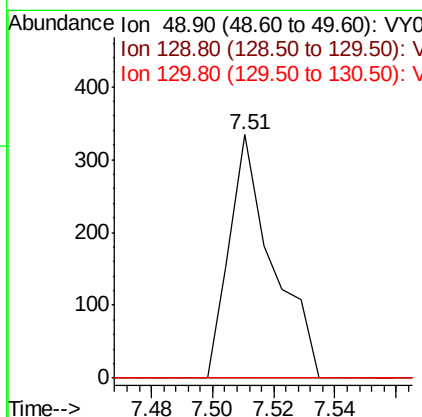
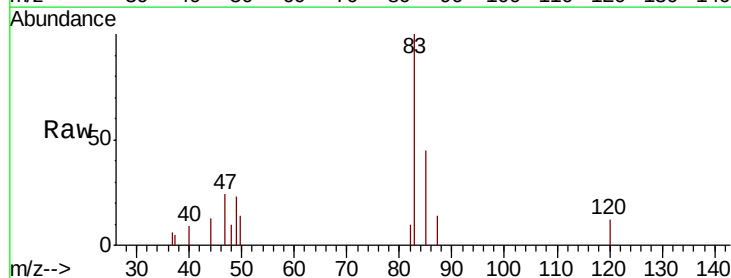
Instrument :
MSVOA_Y
ClientSampleId :

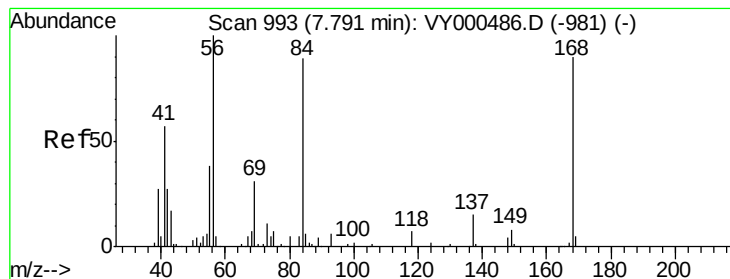
Tot Ion: 76 Resp: 46211
Ion Ratio Lower Upper
76 100
78 7.7 7.5 11.3



#28
Bromochloromethane
Concen: 4.276 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.17 min
Lab File: VY000750.D
Acq: 20 Nov 2019 13:08

Tgt Ion: 49 Resp: 328
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#





#31

Cyclohexane

Concen: 1.306 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000750.D

Acq: 20 Nov 2019 13:08

Instrument :
MSVOA_Y
ClientSampleId :

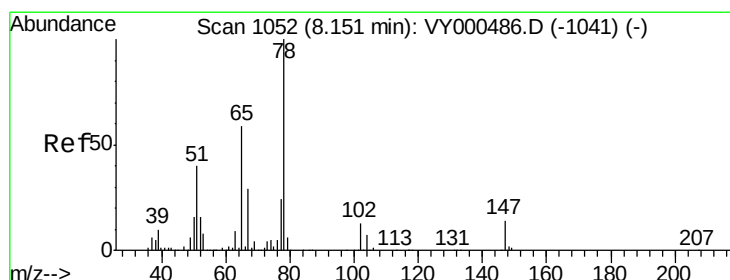
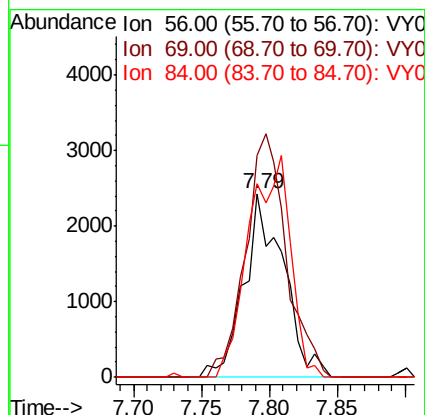
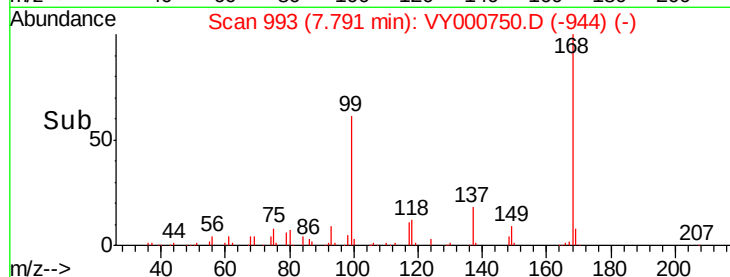
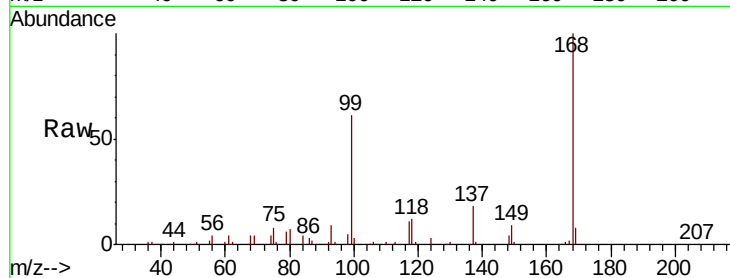
Tot Ion: 56 Resp: 4931

Ion Ratio Lower Upper

56 100

69 120.3 25.0 37.6#

84 105.4 71.4 107.2



#33

1,2-Dichloroethane-d4

Concen: 58.982 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000750.D

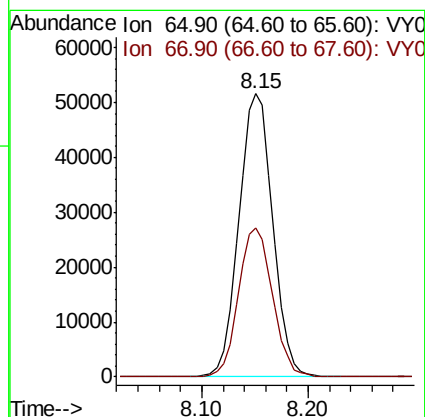
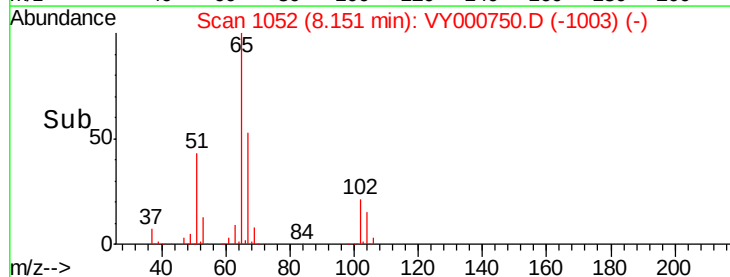
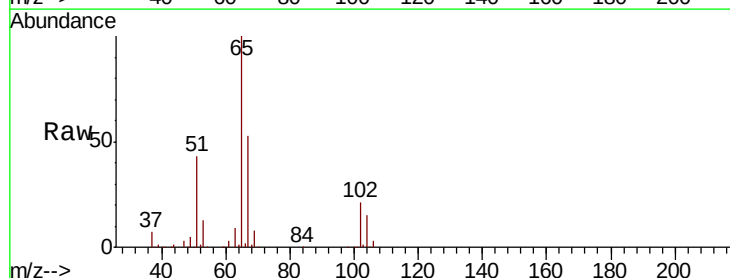
Acq: 20 Nov 2019 13:08

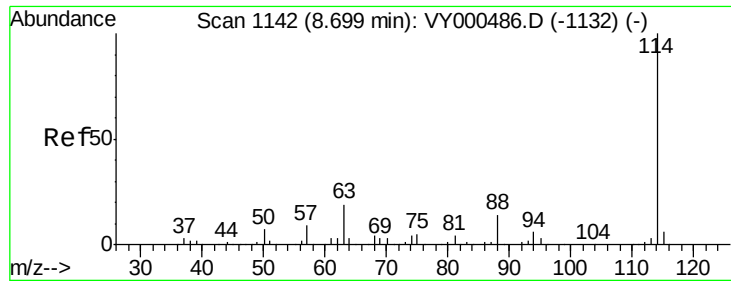
Tgt Ion: 65 Resp: 115075

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.2

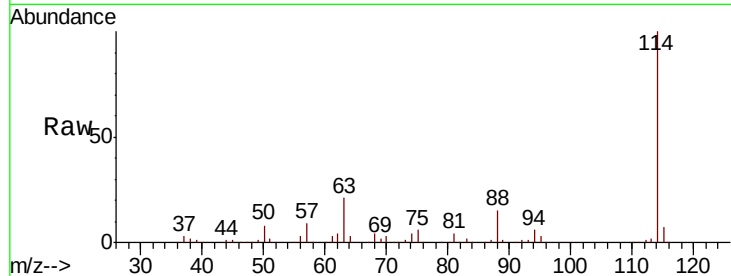




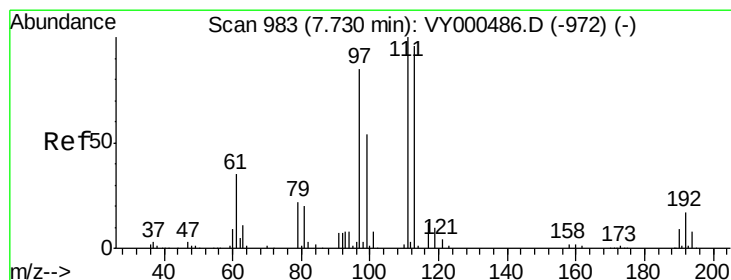
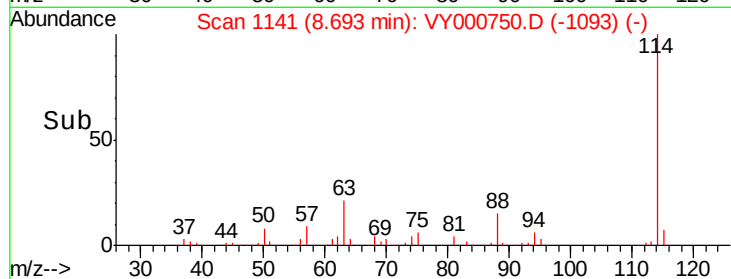
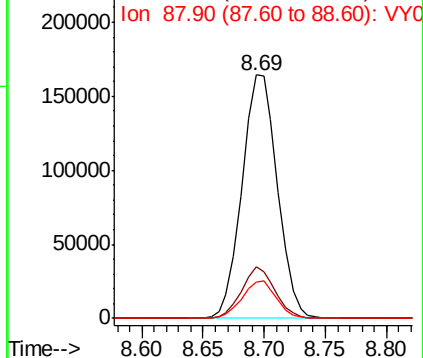
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000750.D
 Acq: 20 Nov 2019 13:08

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	38.0
88	15.0	0.0	28.6

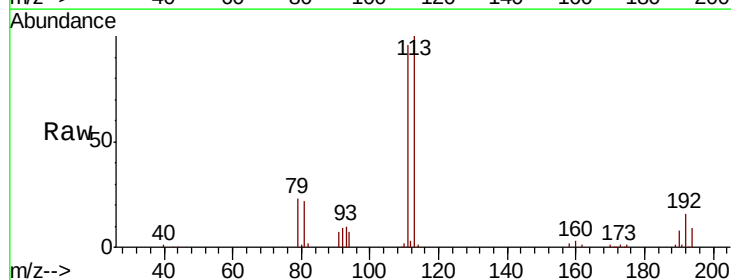


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

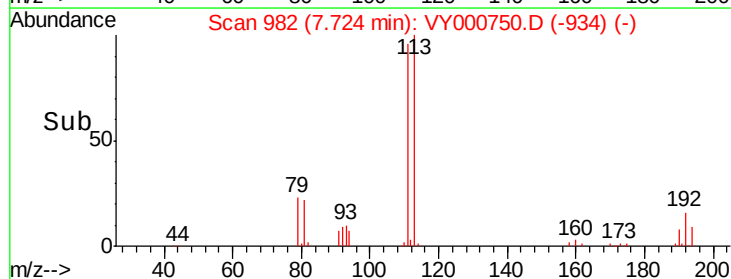
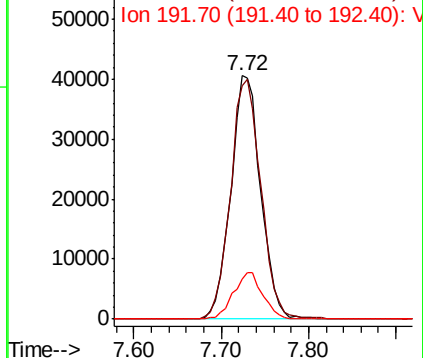


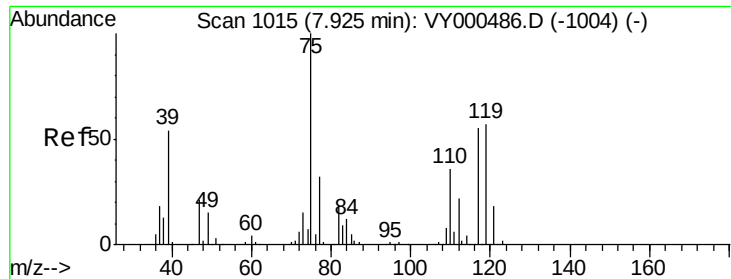
#35
 Dibromofluoromethane
 Concen: 49.692 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000750.D
 Acq: 20 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.7	81.7	122.5
192	18.6	15.0	22.4



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

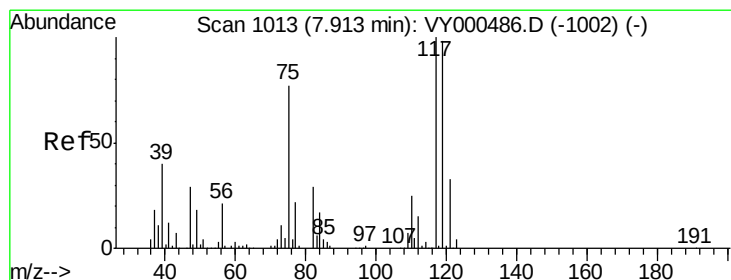
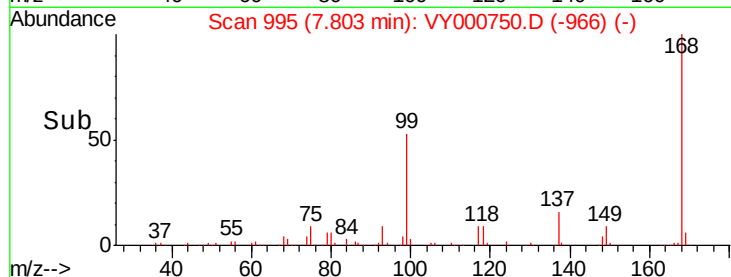
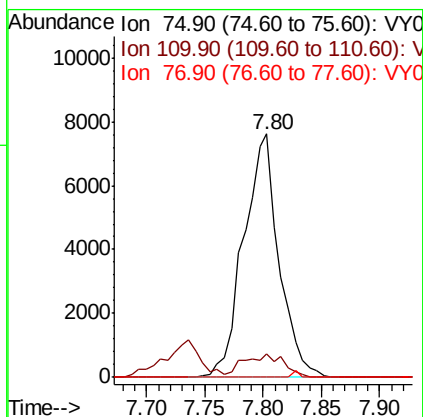
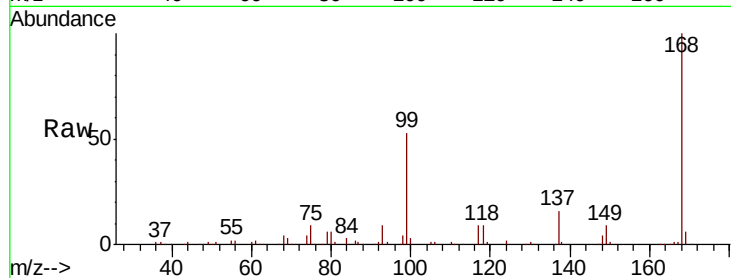




#36
 1,1-Dichloropropene
 Concen: 5.133 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000750.D
 Acq: 20 Nov 2019 13:08

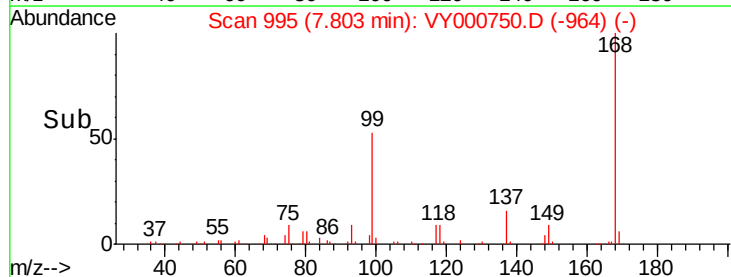
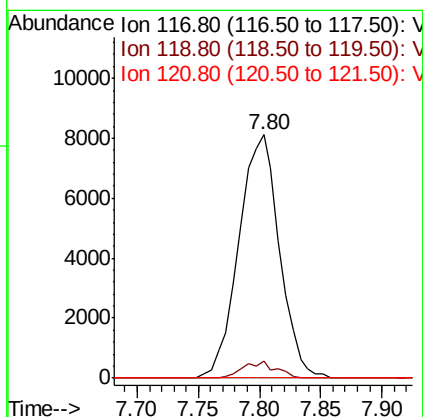
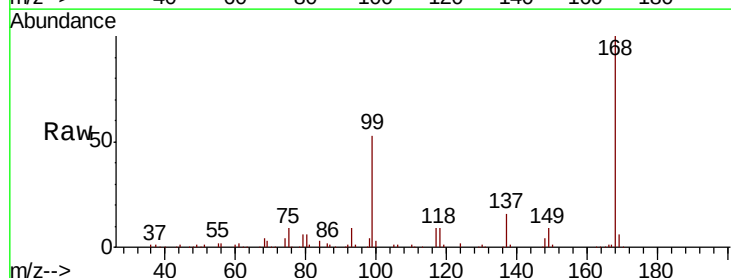
Instrument :
 MSVOA_Y
 ClientSampleId :

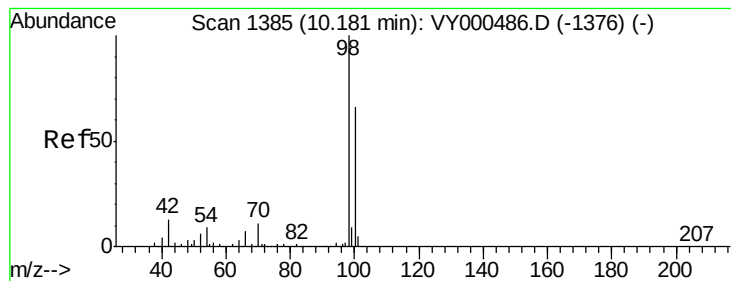
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.226 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000750.D
 Acq: 20 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 52.352 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000750.D

Acq: 20 Nov 2019 13:08

Instrument :

MSVOA_Y

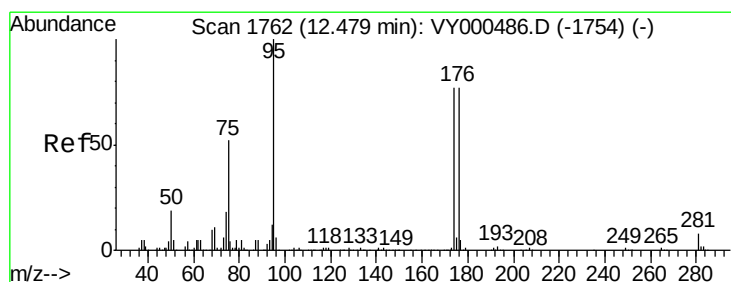
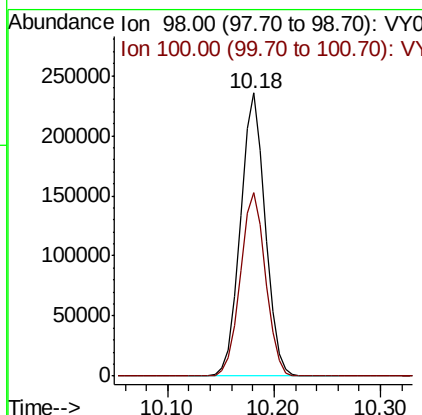
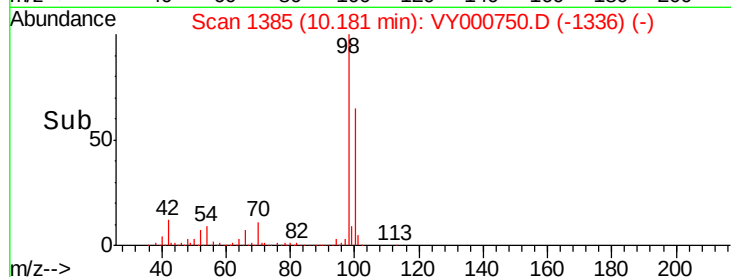
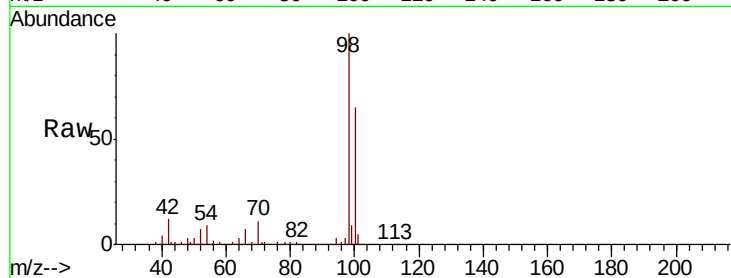
ClientSampleId :

Tot Ion: 98 Resp: 385582

Ion Ratio Lower Upper

98 100

100 65.7 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 43.590 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000750.D

Acq: 20 Nov 2019 13:08

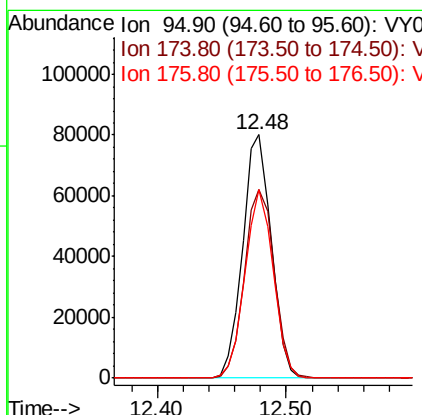
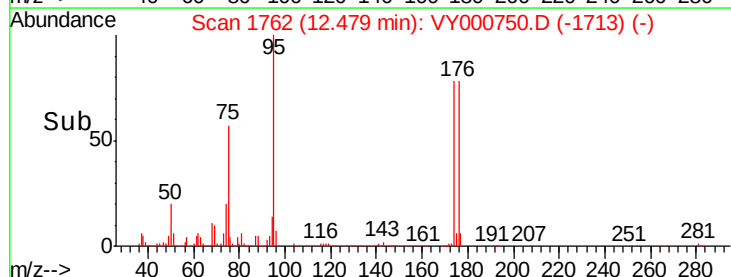
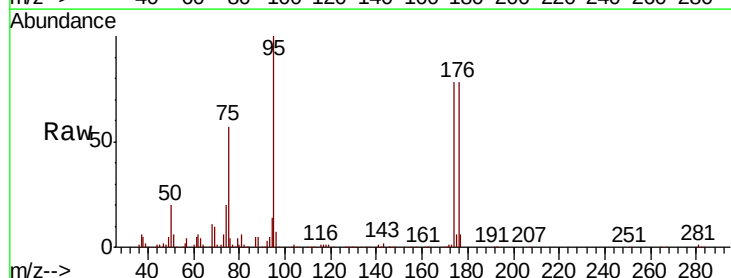
Tgt Ion: 95 Resp: 122222

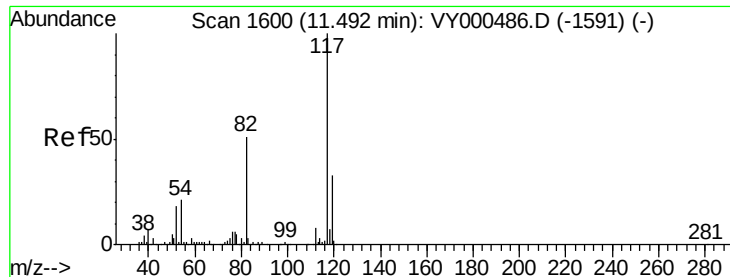
Ion Ratio Lower Upper

95 100

174 80.8 0.0 161.6

176 76.5 0.0 157.8

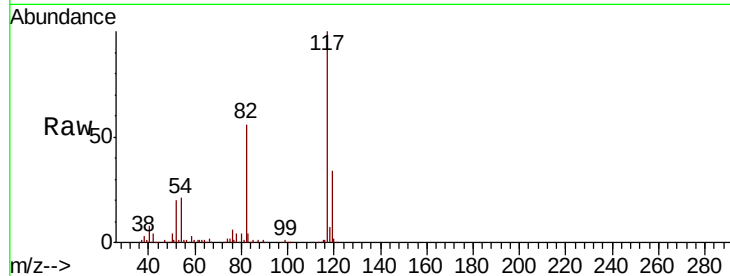




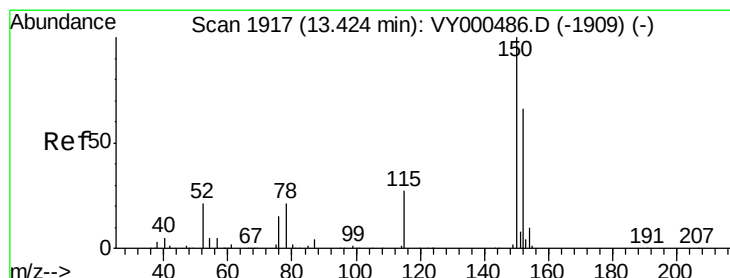
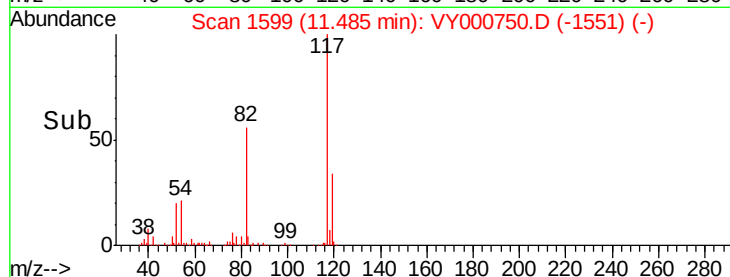
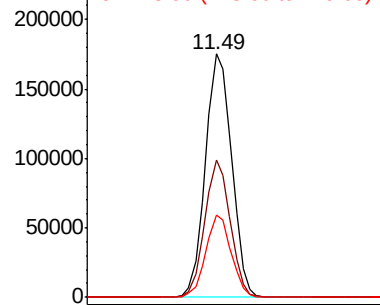
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000750.D
Acq: 20 Nov 2019 13:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	40.8	61.2
119	33.6	26.2	39.2

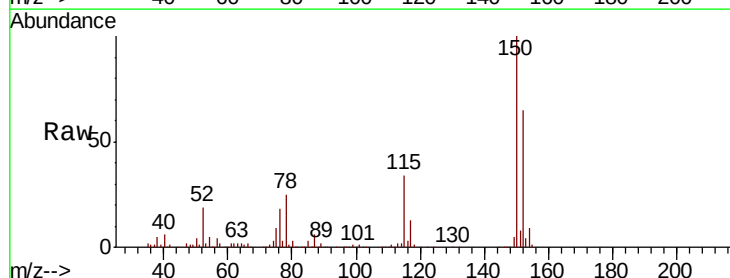


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

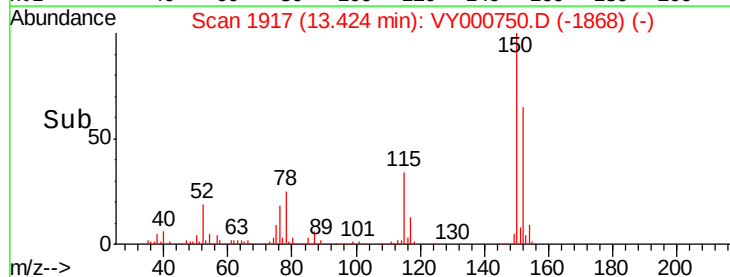
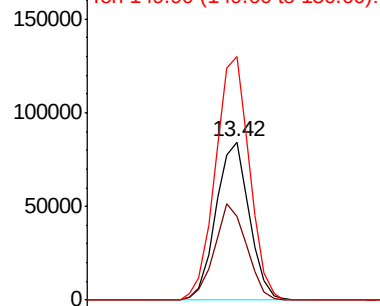


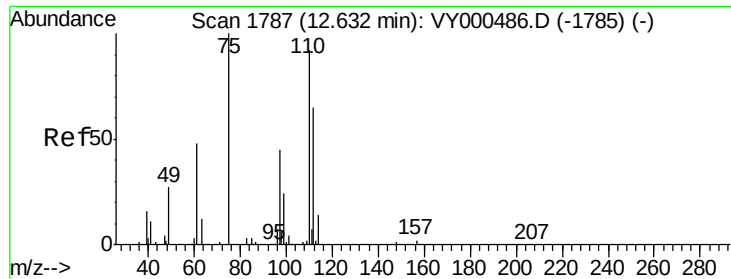
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000750.D
Acq: 20 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.1	87.4
150	157.7	0.0	348.8



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

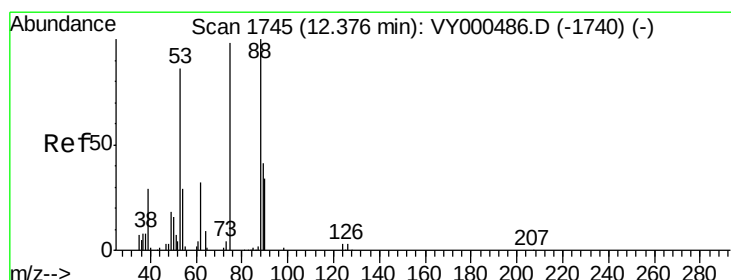
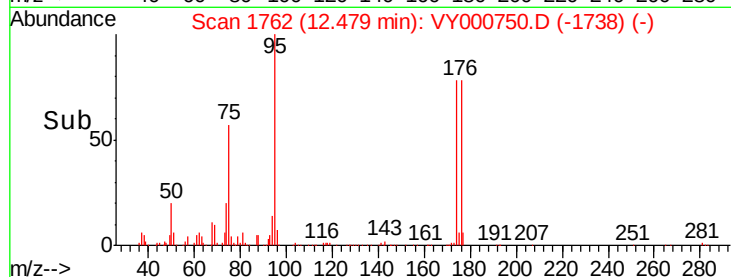
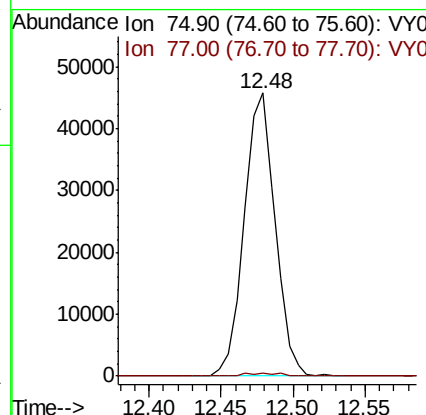
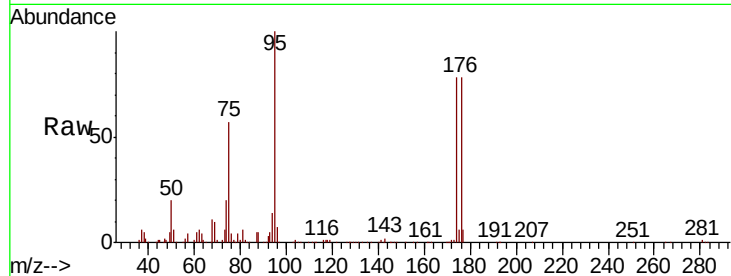




#76
 1,2,3-Trichloropropane
 Concen: 47.072 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000750.D
 Acq: 20 Nov 2019 13:08

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 67938
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.543 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000750.D
 Acq: 20 Nov 2019 13:08

Tgt Ion: 75 Resp: 67938
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 35.9 53.9#

