

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
 Data File : VY000699.D
 Acq On : 15 Nov 2019 14:29
 Operator : SY/MD
 Sample : K5861-07
 Misc : 5.78G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 02:31:27 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	207505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	380563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	355861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	169083	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	122145	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	
35) Dibromofluoromethane	7.73	113	111348	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	10.18	98	452067	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.48	95	160864	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	

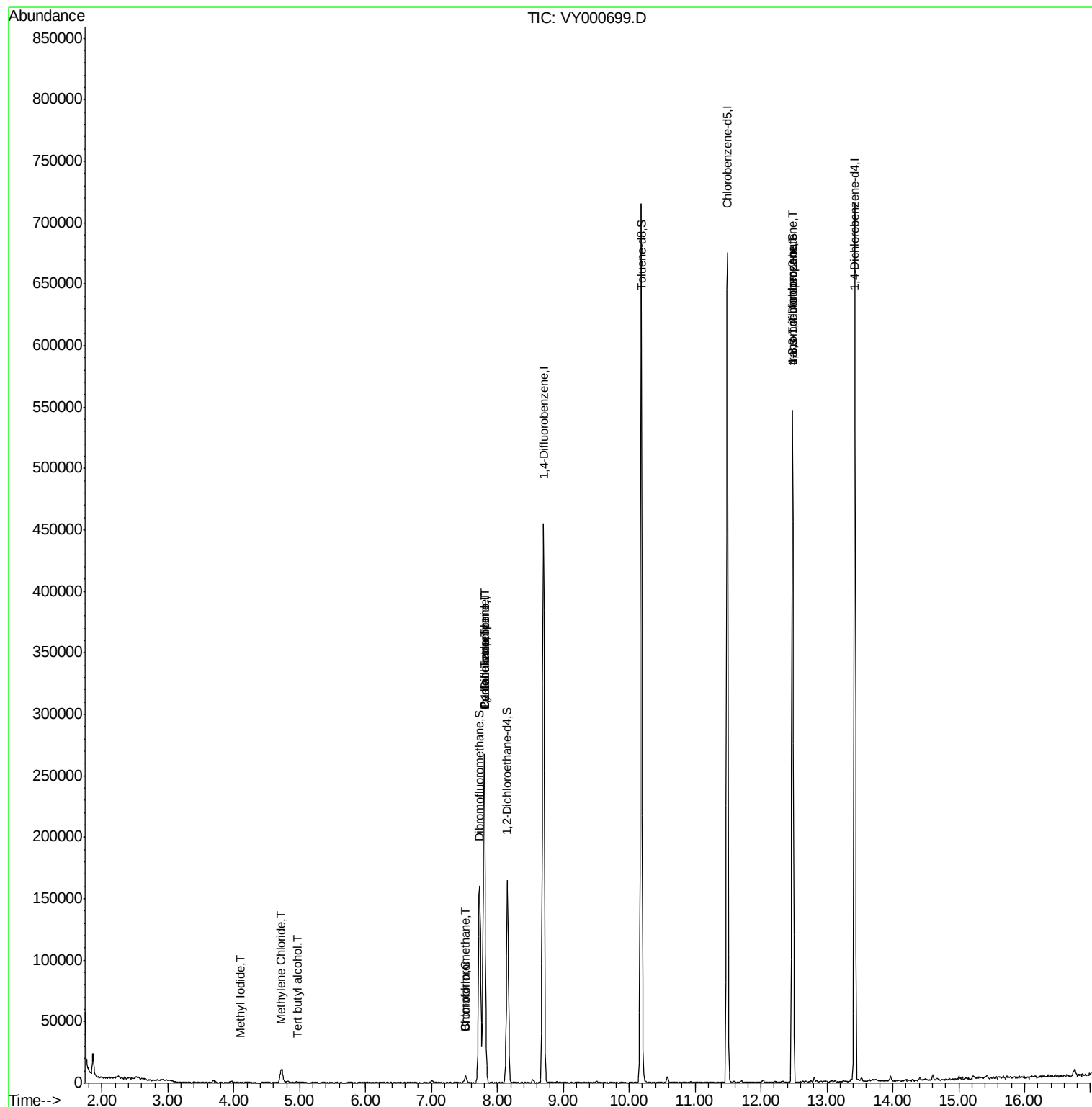
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	56	3.218	ug/l #	41
11) Tert butyl alcohol	4.97	59	1278	6.114	ug/l #	86
20) Methylene Chloride	4.72	84	8211	3.238	ug/l	96
28) Bromochloromethane	7.52	49	280	4.235	ug/l #	14
30) Chloroform	7.52	83	5155	1.284	ug/l #	56
31) Cyclohexane	7.80	56	4880	1.174	ug/l #	29
36) 1,1-Dichloropropene	7.80	75	17350	4.823	ug/l #	49
38) Carbon Tetrachloride	7.80	117	21294	6.151	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	85489	44.404	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85489	99.560	ug/l #	13

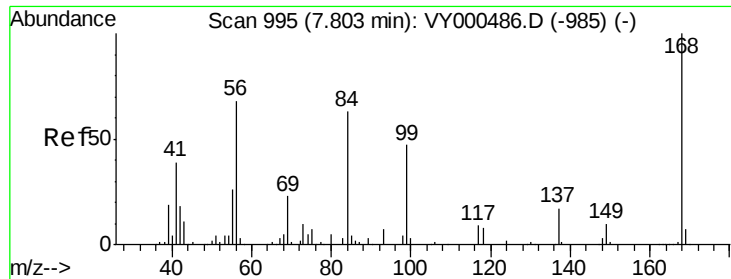
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000699.D

Acq: 15 Nov 2019 14:29

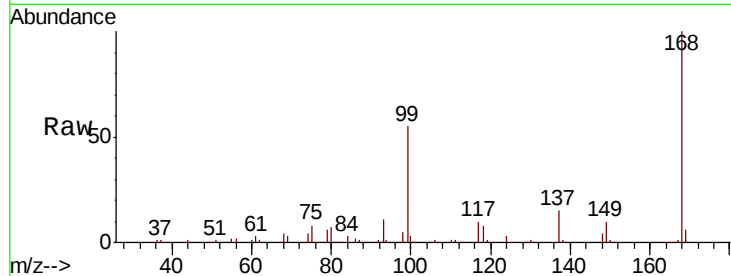
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 207505

Ion Ratio Lower Upper

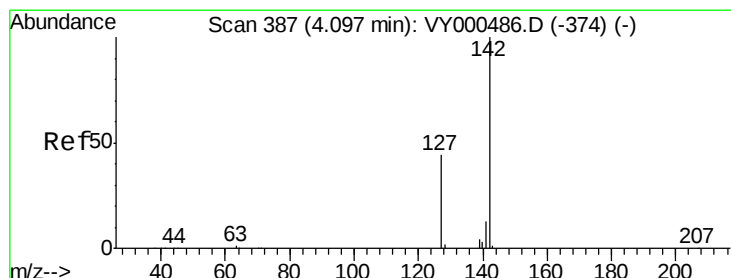
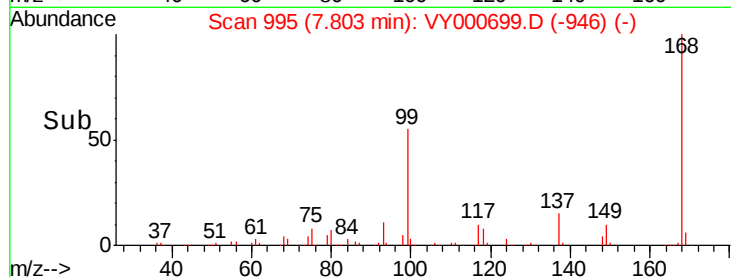
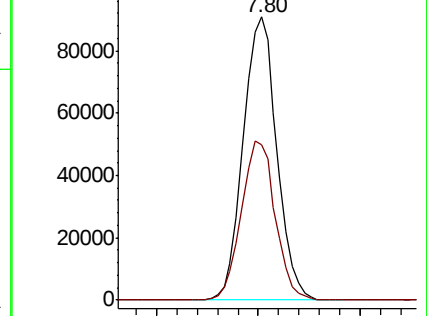
168 100

99 55.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.218 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000699.D

Acq: 15 Nov 2019 14:29

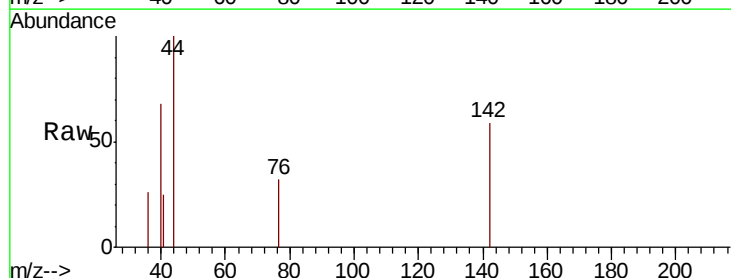
Tgt Ion:142 Resp: 56

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

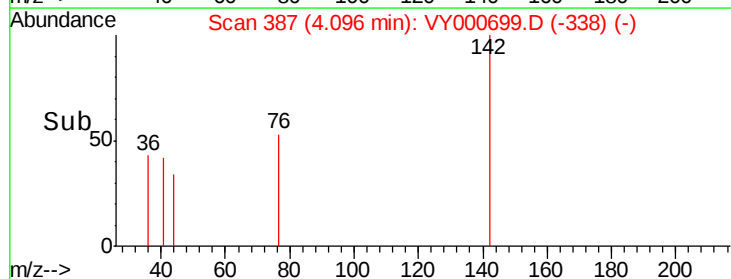
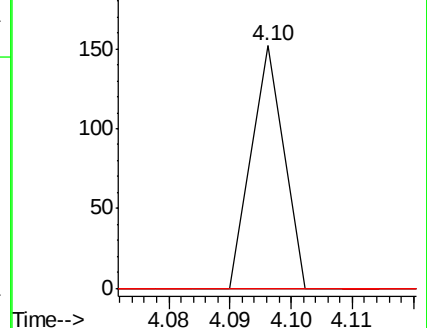
141 0.0 10.9 16.3#



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



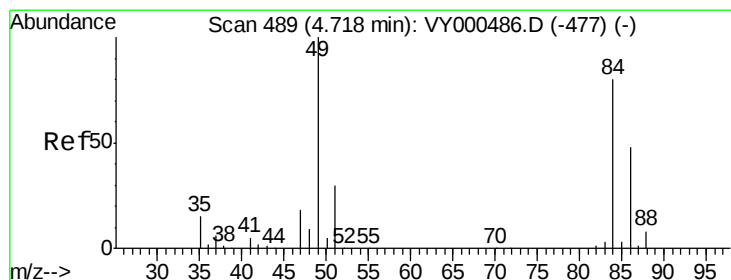
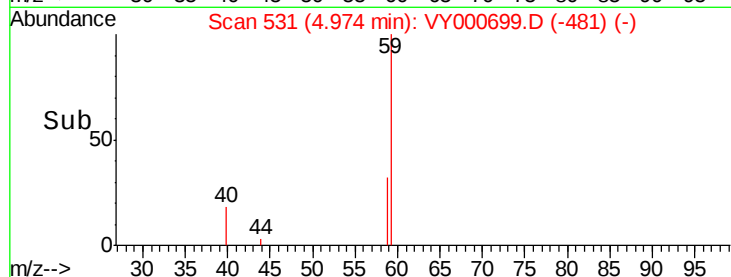
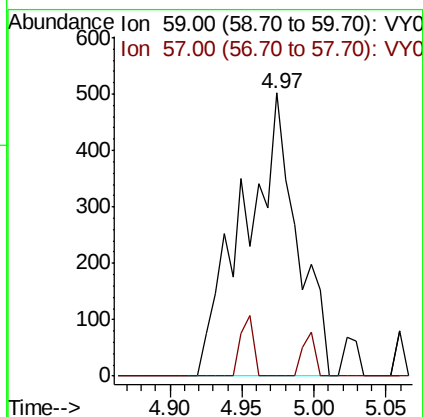
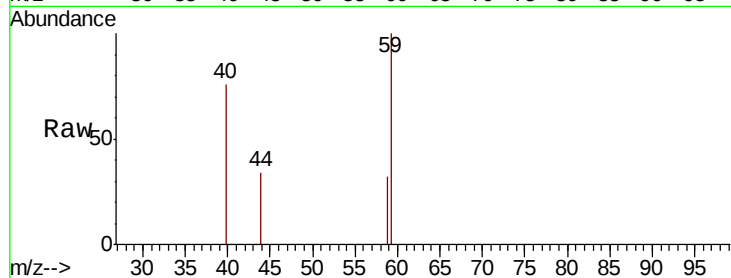


#11

Tert butyl alcohol
 Concen: 6.114 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY000699.D
 Acq: 15 Nov 2019 14:29

Instrument :
 MSVOA_Y
 ClientSampled :

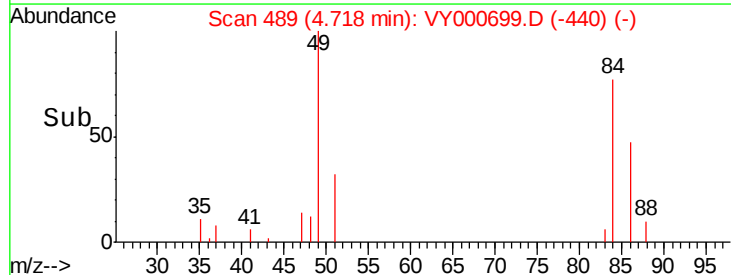
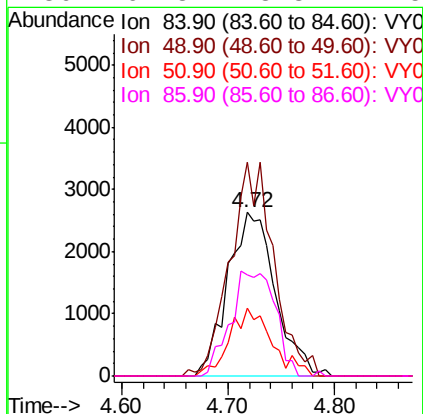
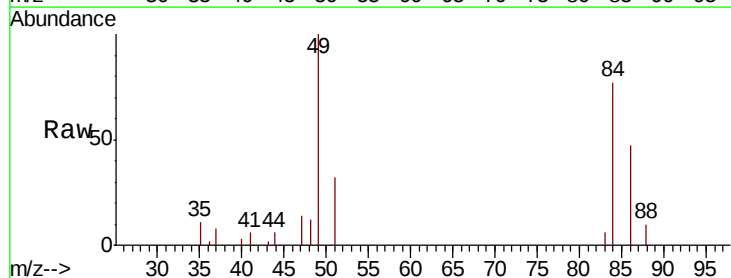
Tot Ion: 59 Resp: 1278
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.6 12.8#

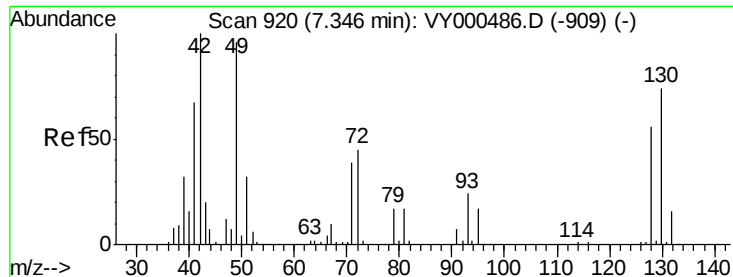


#20

Methylene Chloride
 Concen: 3.238 ug/l
 RT: 4.72 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VY000699.D
 Acq: 15 Nov 2019 14:29

Tgt Ion: 84 Resp: 8211
 Ion Ratio Lower Upper
 84 100
 49 130.4 100.2 150.4
 51 41.5 29.6 44.4
 86 61.8 48.3 72.5





#28

Bromochloromethane

Concen: 4.235 ug/l

RT: 7.52 min Scan# 948

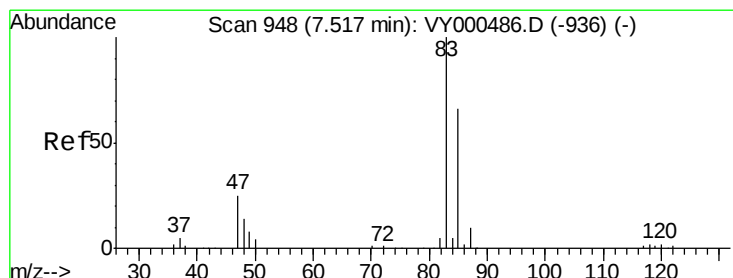
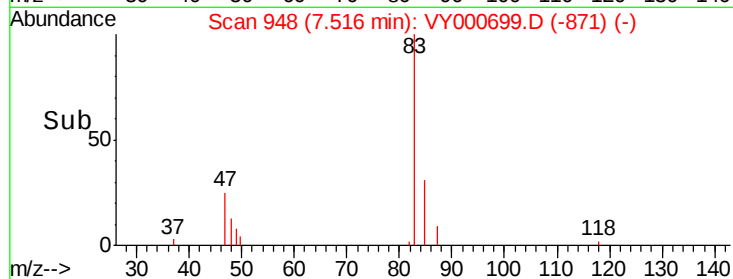
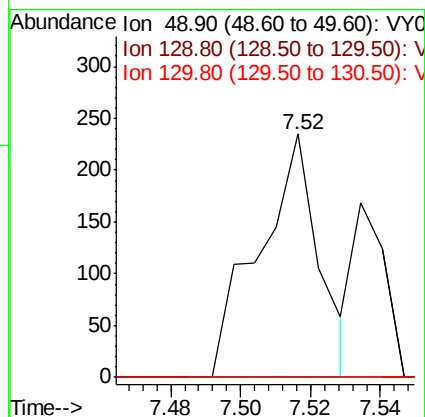
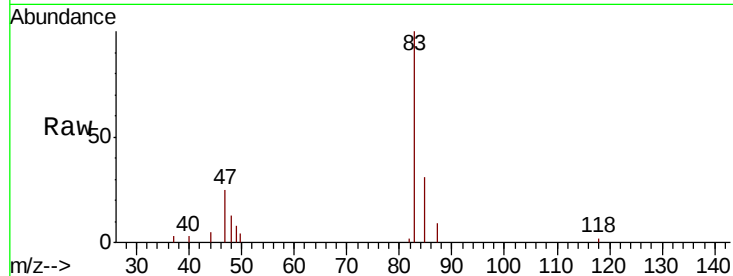
Delta R.T. 0.17 min

Lab File: VY000699.D

Acq: 15 Nov 2019 14:29

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 280
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



#30

Chloroform

Concen: 1.284 ug/l

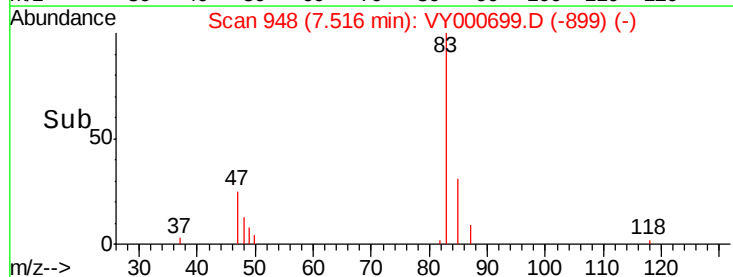
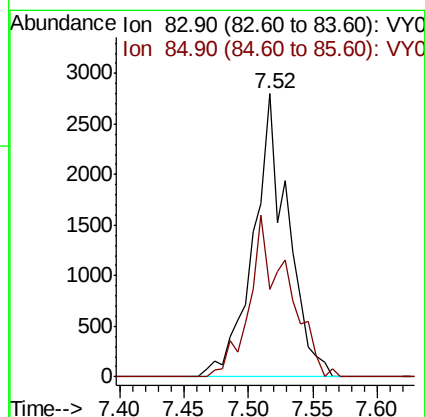
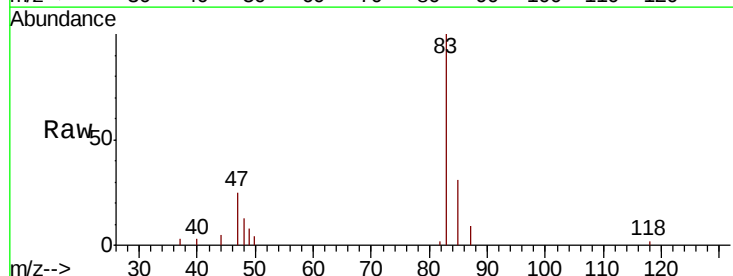
RT: 7.52 min Scan# 948

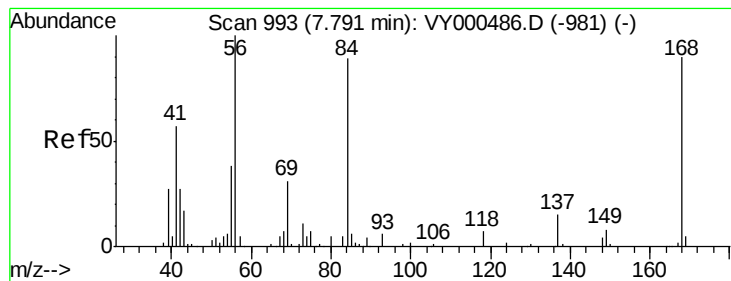
Delta R.T. -0.00 min

Lab File: VY000699.D

Acq: 15 Nov 2019 14:29

Tgt Ion: 83 Resp: 5155
Ion Ratio Lower Upper
83 100
85 30.8 53.0 79.4#





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

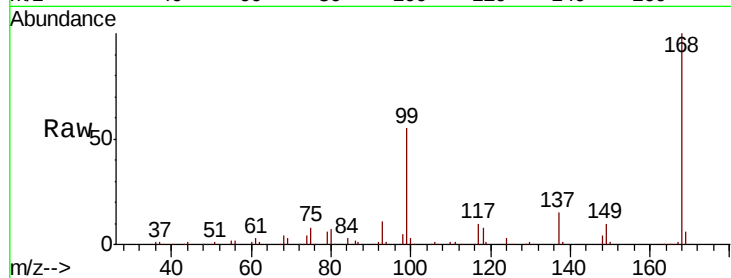
Lab File: VY000699.D

Acq: 15 Nov 2019 14:29

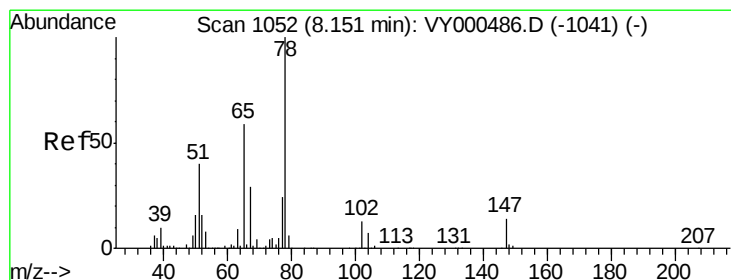
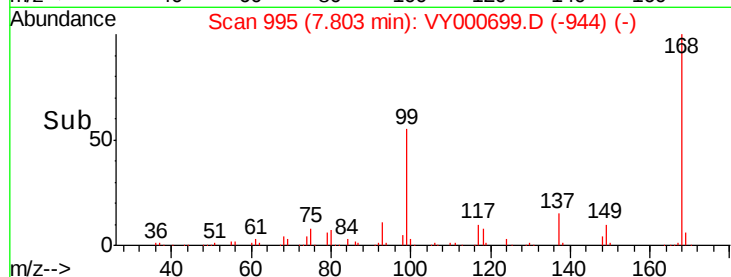
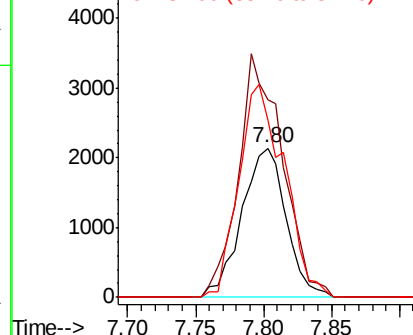
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4880

Ion	Ratio	Lower	Upper
56	100		
69	132.6	25.0	37.6#
84	119.0	71.4	107.2#



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: 56.880 ug/l

RT: 8.15 min Scan# 1052

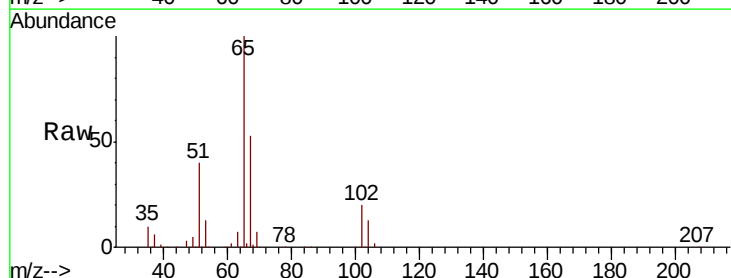
Delta R.T. -0.00 min

Lab File: VY000699.D

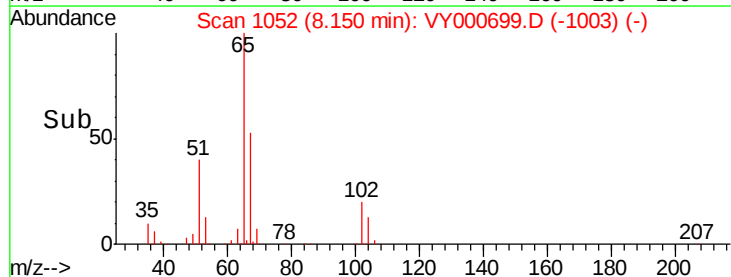
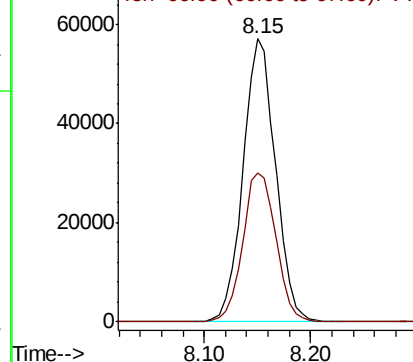
Acq: 15 Nov 2019 14:29

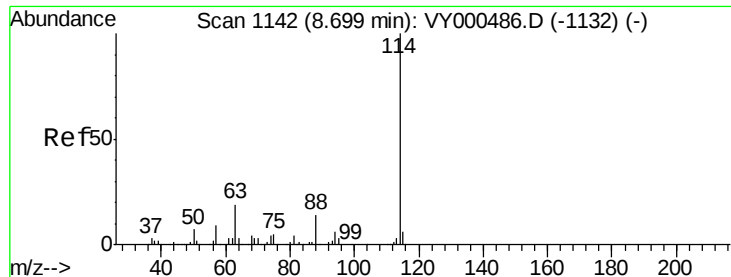
Tgt Ion: 65 Resp: 122145

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	107.2



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

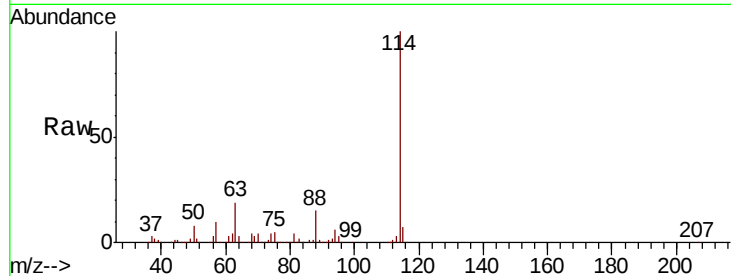




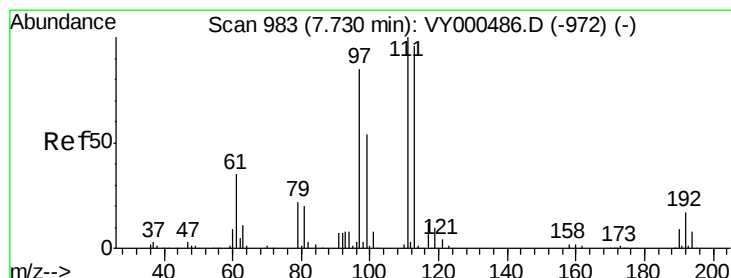
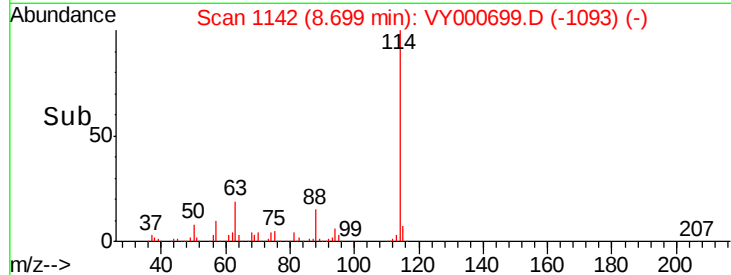
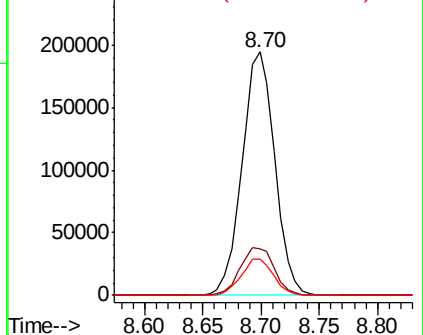
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000699.D
 Acq: 15 Nov 2019 14:29

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.0
88	15.1	0.0	28.6

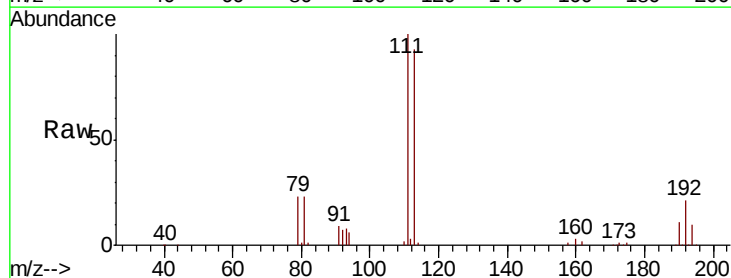


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

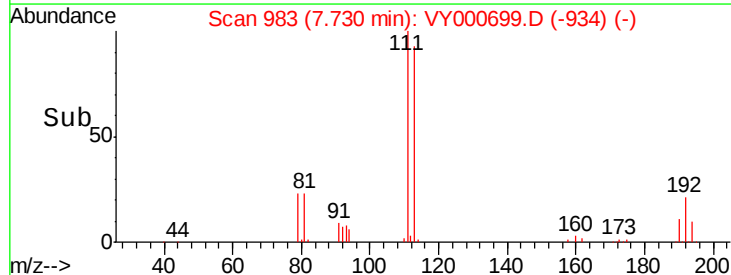
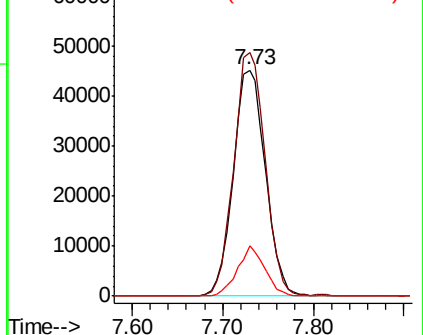


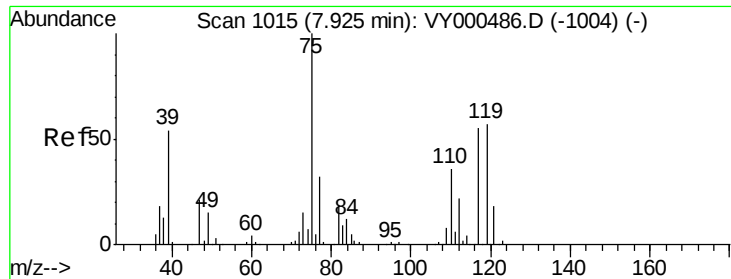
#35
 Dibromofluoromethane
 Concen: 49.839 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000699.D
 Acq: 15 Nov 2019 14:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.7	122.5
192	18.9	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

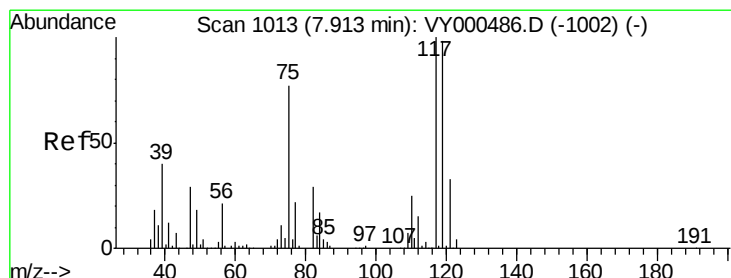
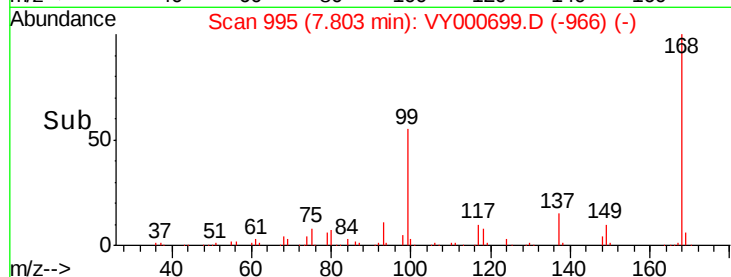
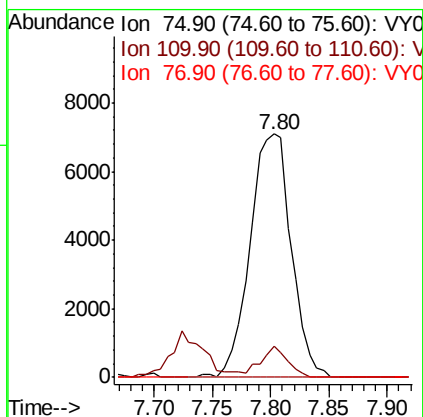
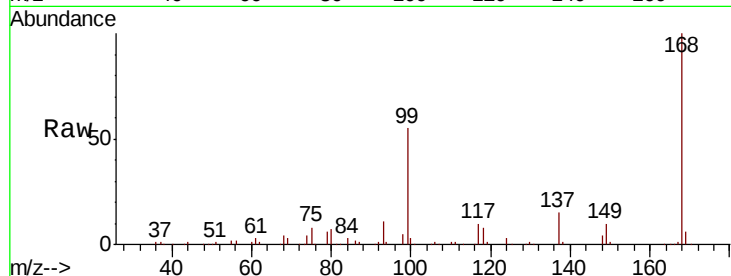




#36
 1,1-Dichloropropene
 Concen: 4.823 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000699.D
 Acq: 15 Nov 2019 14:29

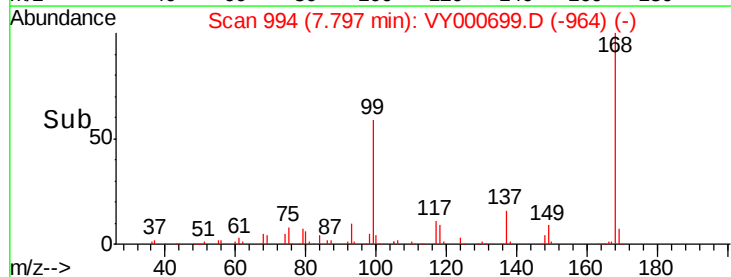
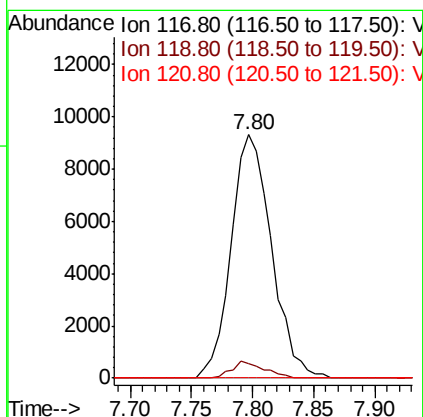
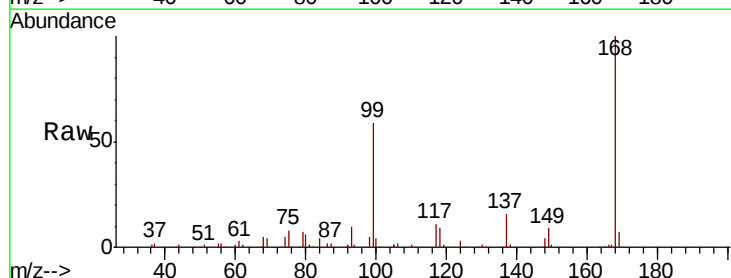
Instrument :
 MSVOA_Y
 ClientSampled :

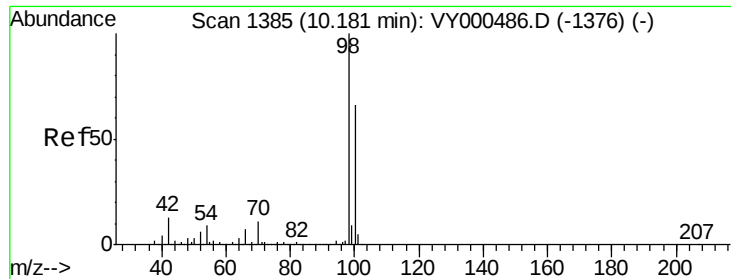
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.151 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000699.D
 Acq: 15 Nov 2019 14:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 53.326 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000699.D

Acq: 15 Nov 2019 14:29

Instrument :

MSVOA_Y

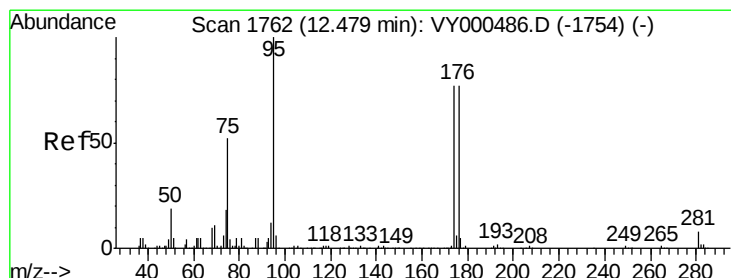
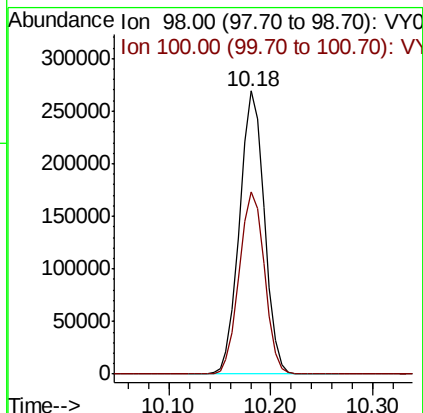
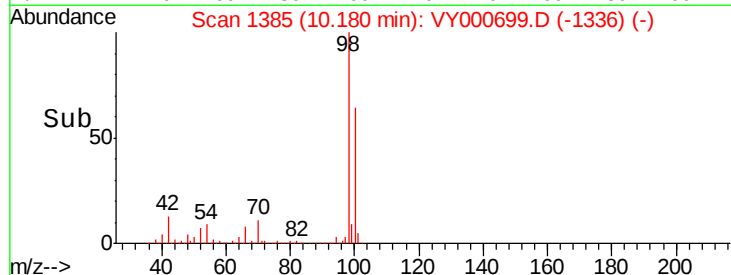
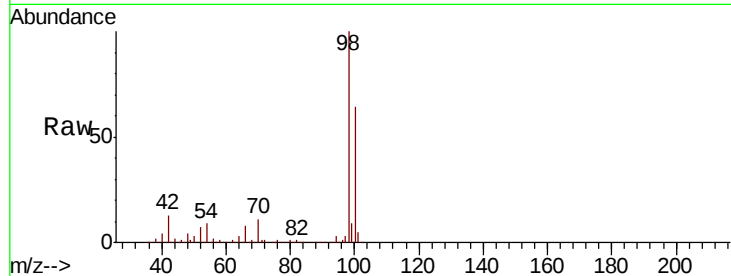
ClientSampleId :

Tot Ion: 98 Resp: 452067

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 49.845 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000699.D

Acq: 15 Nov 2019 14:29

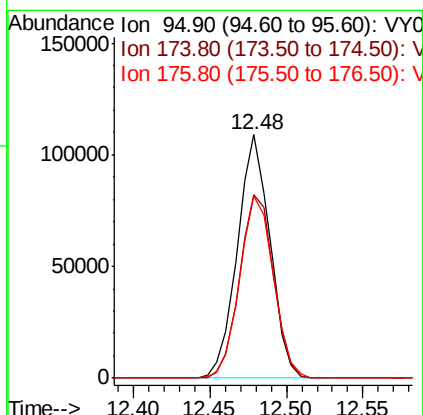
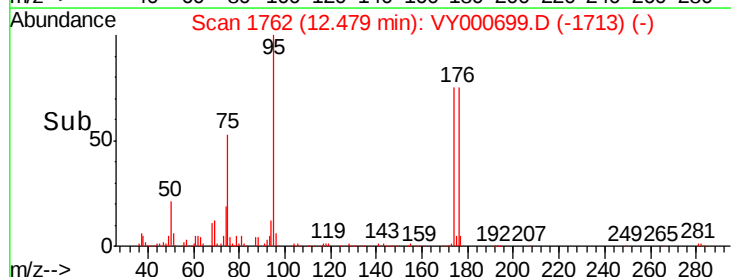
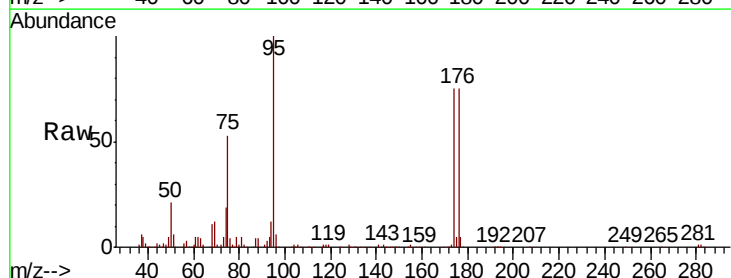
Tgt Ion: 95 Resp: 160864

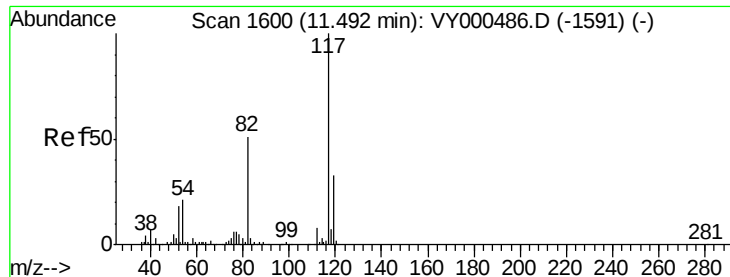
Ion Ratio Lower Upper

95 100

174 78.6 0.0 161.6

176 77.5 0.0 157.8

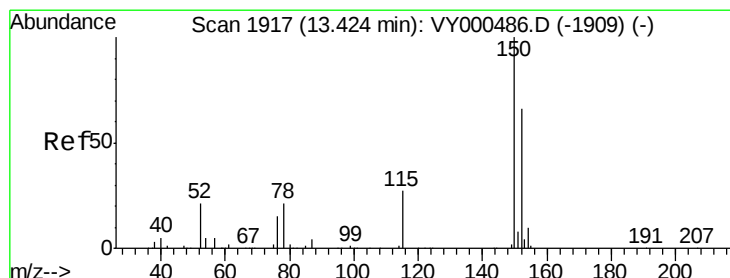
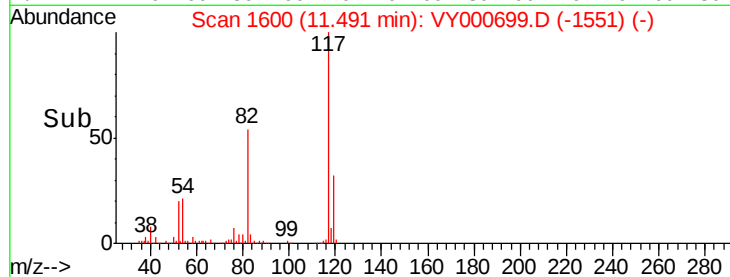
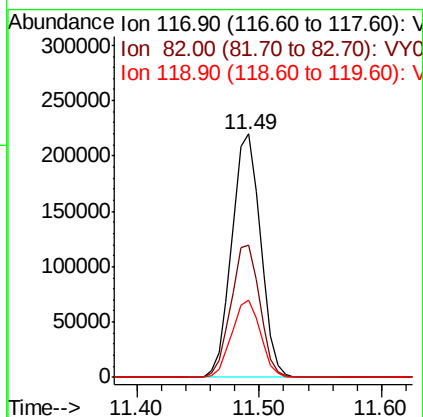
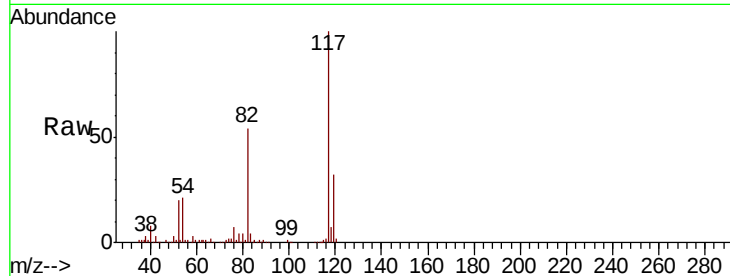




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000699.D
Acq: 15 Nov 2019 14:29

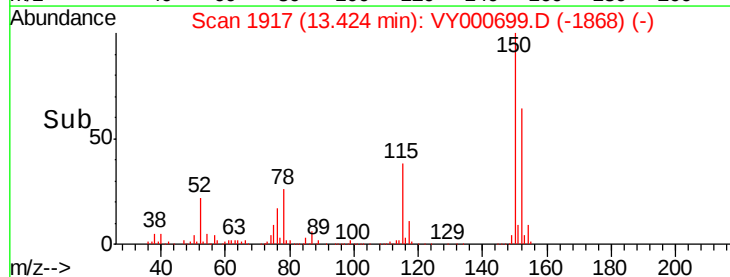
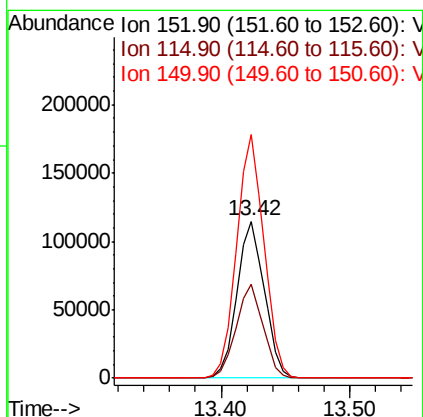
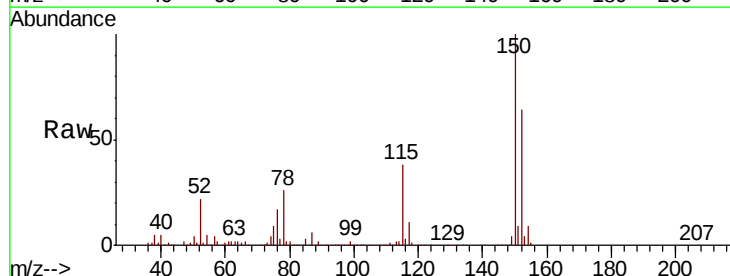
Instrument :
MSVOA_Y
ClientSampled :

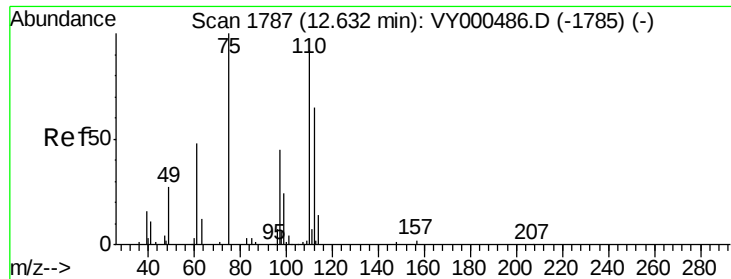
Tot Ion:117 Resp: 355861
Ion Ratio Lower Upper
117 100
82 54.2 40.8 61.2
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000699.D
Acq: 15 Nov 2019 14:29

Tgt Ion:152 Resp: 169083
Ion Ratio Lower Upper
152 100
115 59.2 29.1 87.4
150 154.8 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 44.404 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000699.D

Acq: 15 Nov 2019 14:29

Instrument :

MSVOA_Y

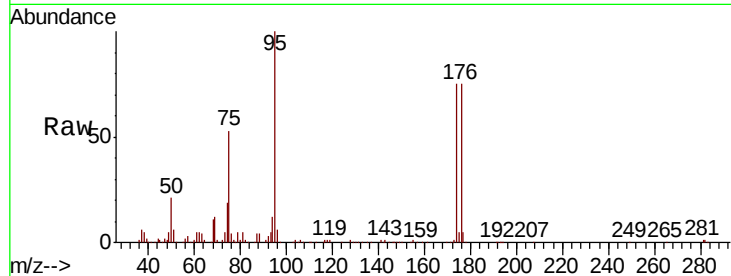
ClientSampleId :

Tot Ion: 75 Resp: 85489

Ion Ratio Lower Upper

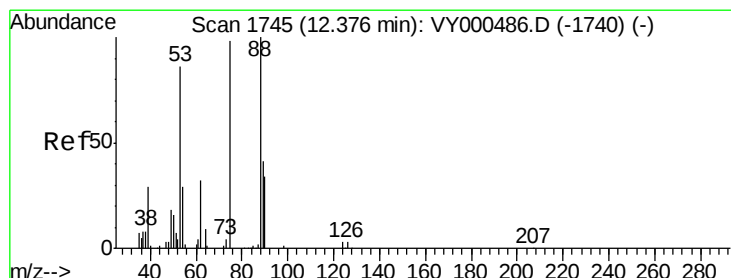
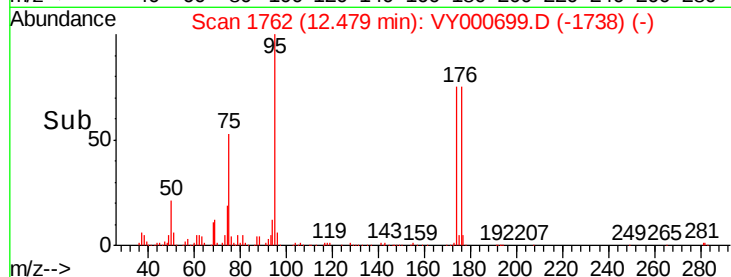
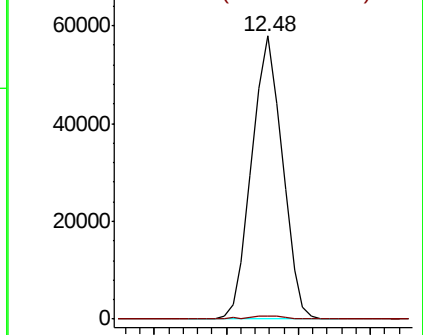
75 100

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: 99.560 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000699.D

Acq: 15 Nov 2019 14:29

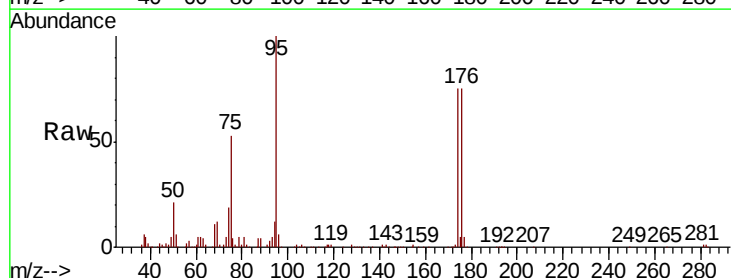
Tgt Ion: 75 Resp: 85489

Ion Ratio Lower Upper

75 100

53 0.1 73.2 109.8#

89 0.1 35.9 53.9#



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

