

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
 Data File : VY000957.D
 Acq On : 16 Dec 2019 16:11
 Operator : SY/MD
 Sample : K6317-03
 Misc : 7.2G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 178K-SB3

Quant Time: Dec 17 06:06:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	228162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	432249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	392468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	170837	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	140176	57.82	ug/l	0.00
Spiked Amount			Recovery	=	115.64%	
35) Dibromofluoromethane	7.72	113	129358	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
50) Toluene-d8	10.18	98	512717	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.48	95	168937	44.66	ug/l	0.00
Spiked Amount			Recovery	=	89.32%	

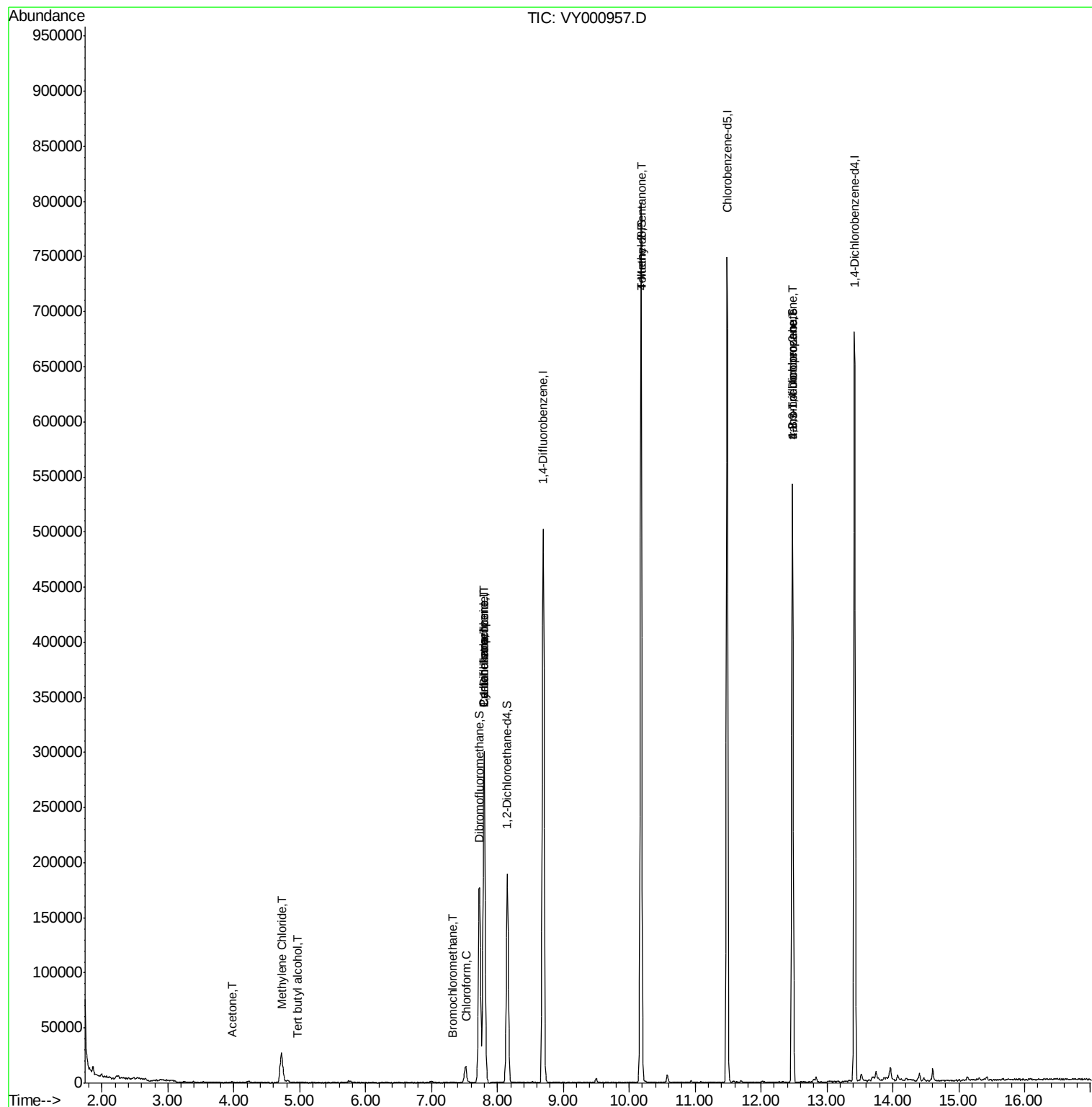
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	71	Below Cal	#	3
11) Tert butyl alcohol	4.97	59	267	1.095	ug/l #	74
16) Acetone	3.97	43	1582	2.845	ug/l #	61
20) Methylene Chloride	4.73	84	18655	6.363	ug/l	93
28) Bromochloromethane	7.32	49	93	2.066	ug/l #	15
30) Chloroform	7.52	83	13757	2.822	ug/l	93
31) Cyclohexane	7.80	56	5563	1.081	ug/l #	13
36) 1,1-Dichloropropene	7.80	75	18912	4.400	ug/l #	51
38) Carbon Tetrachloride	7.80	117	22860	5.973	ug/l #	16
51) 4-Methyl-2-Pentanone	10.18	43	2490	1.031	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	85767	44.311	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85767	87.040	ug/l #	17

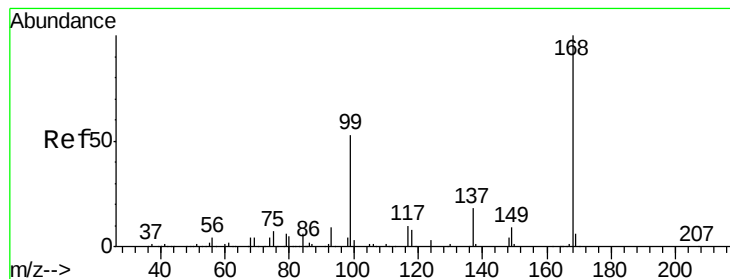
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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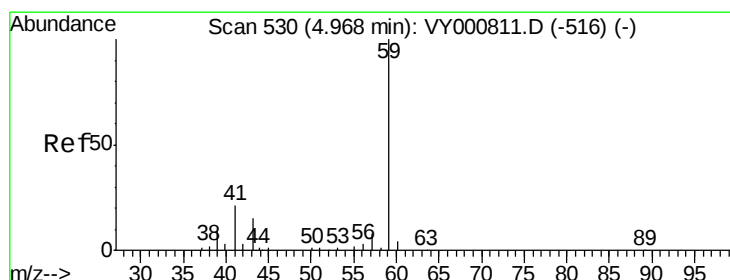
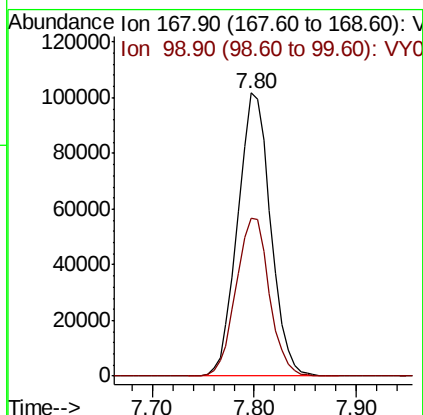
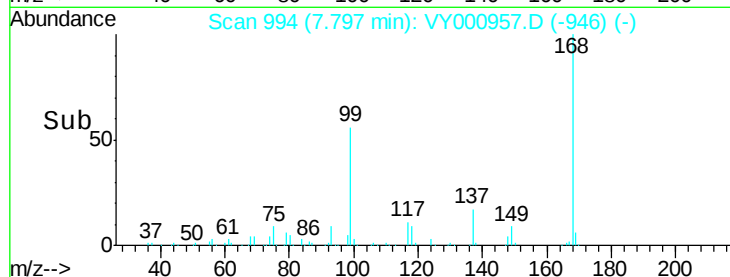
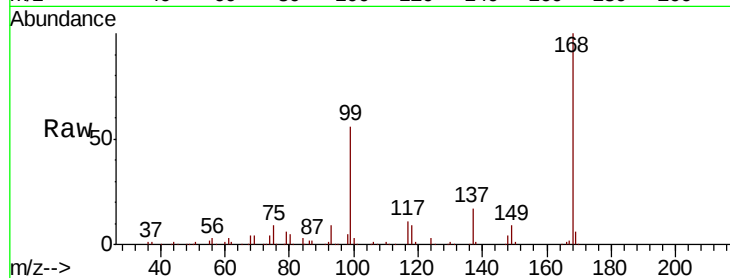




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000957.D
Acq: 16 Dec 2019 16:11

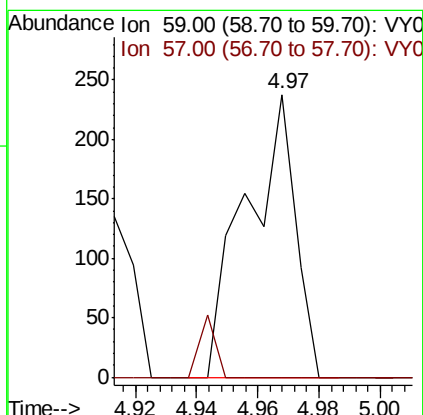
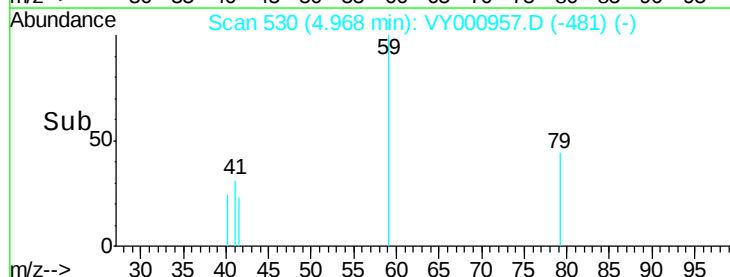
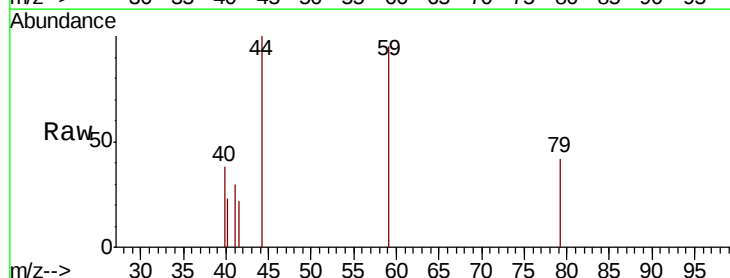
Instrument :
MSVOA_Y
ClientSampleId :
178K-SB3

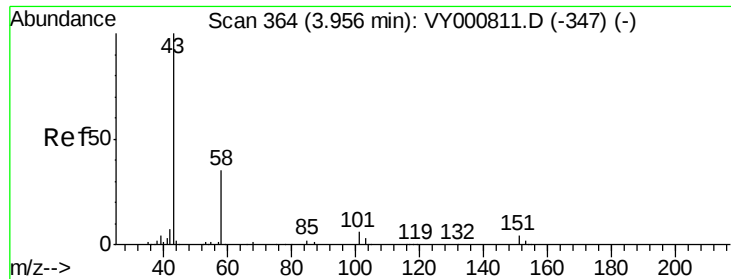
Tgt Ion: 168 Resp: 228162
Ion Ratio Lower Upper
168 100
99 55.8 45.0 67.6



#11
Tert butyl alcohol
Concen: 1.095 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.00 min
Lab File: VY000957.D
Acq: 16 Dec 2019 16:11

Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 2.845 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY000957.D

Acq: 16 Dec 2019 16:11

Instrument :

MSVOA_Y

ClientSampleId :

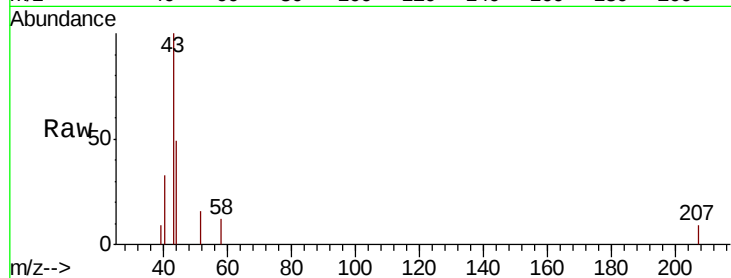
178K-SB3

Tgt Ion: 43 Resp: 1582

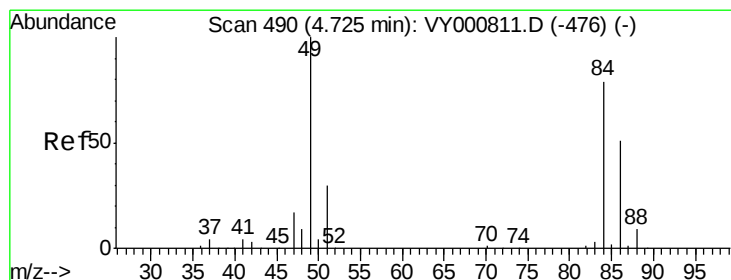
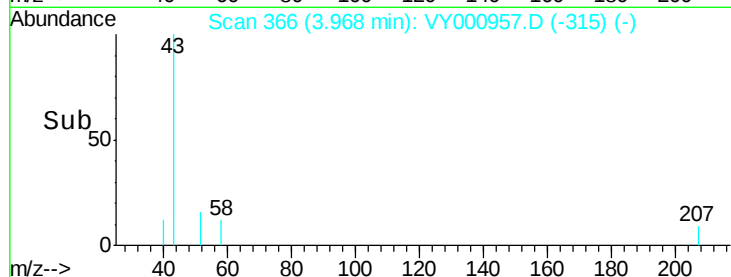
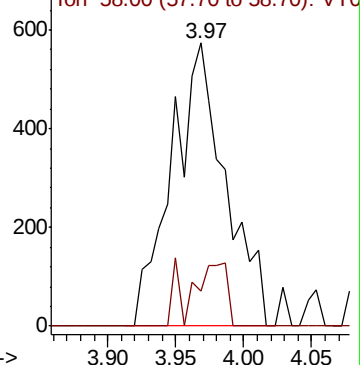
Ion Ratio Lower Upper

43 100

58 12.2 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY000957.D (-315) (-)



#20

Methylene Chloride

Concen: 6.363 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000957.D

Acq: 16 Dec 2019 16:11

Tgt Ion: 84 Resp: 18655

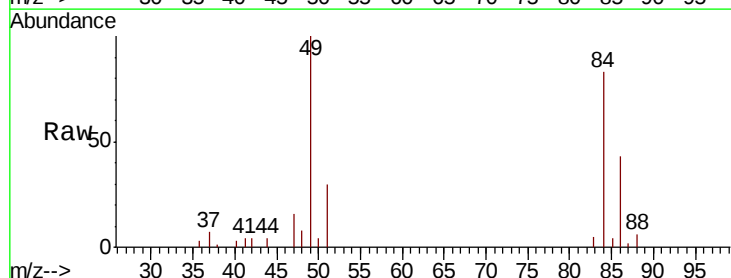
Ion Ratio Lower Upper

84 100

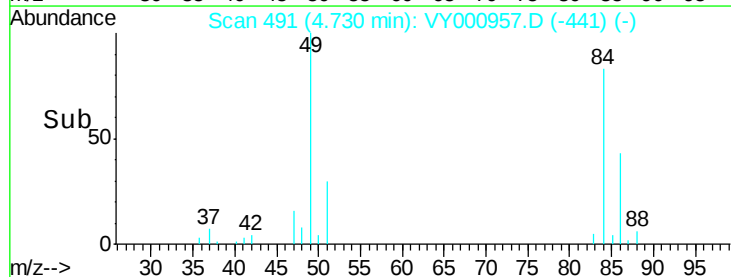
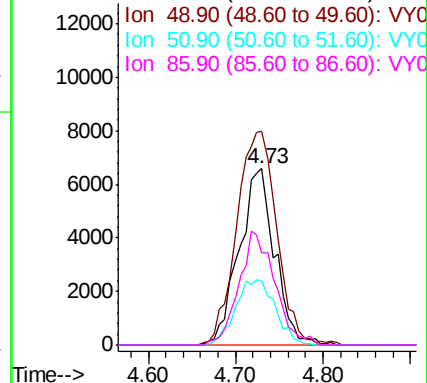
49 121.0 101.3 151.9

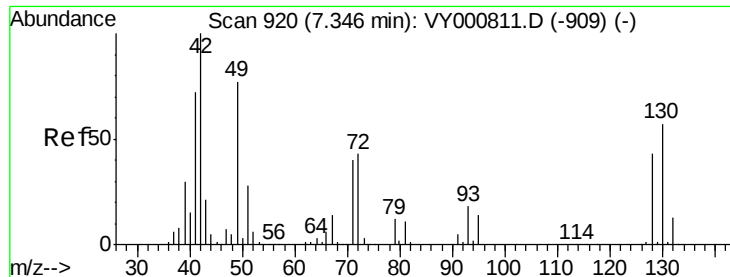
51 36.5 30.6 45.8

86 52.6 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY000957.D (-441) (-)





#28

Bromochloromethane

Concen: 2.066 ug/l

RT: 7.32 min Scan# 915

Delta R.T. -0.03 min

Lab File: VY000957.D

Acq: 16 Dec 2019 16:11

Instrument :

MSVOA_Y

ClientSampleId :

178K-SB3

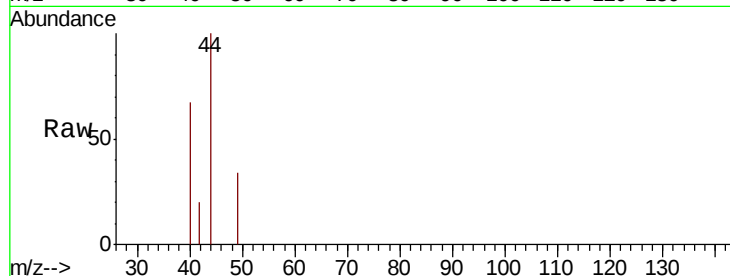
Tgt Ion: 49 Resp: 93

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#

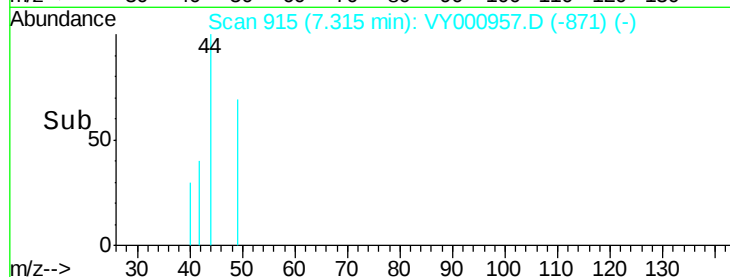


Abundance Ion 48.90 (48.60 to 49.60): VY0

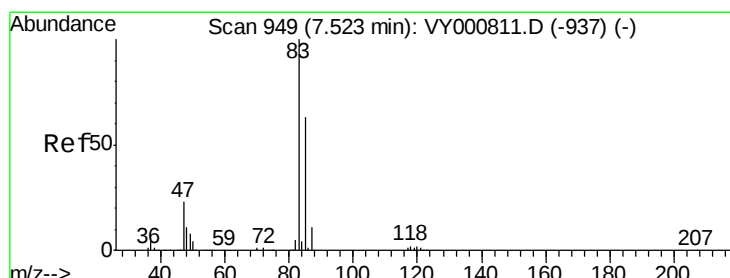
Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0

Time-->



Time-->



#30

Chloroform

Concen: 2.822 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY000957.D

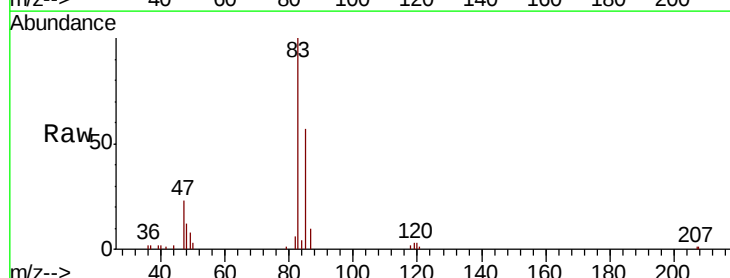
Acq: 16 Dec 2019 16:11

Tgt Ion: 83 Resp: 13757

Ion Ratio Lower Upper

83 100

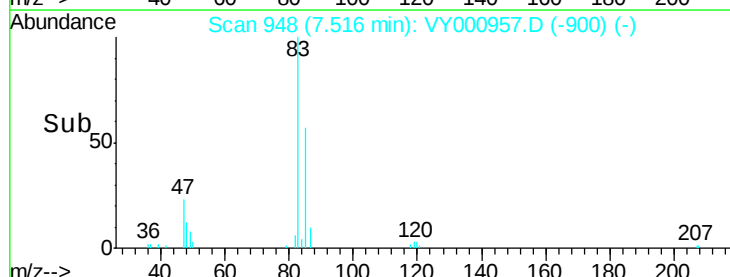
85 57.2 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VY0

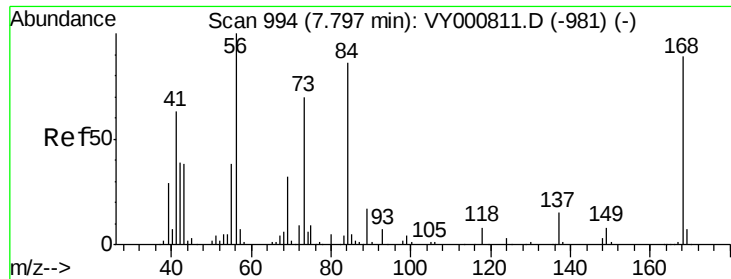
Ion 84.90 (84.60 to 85.60): VY0

Time-->



Time-->

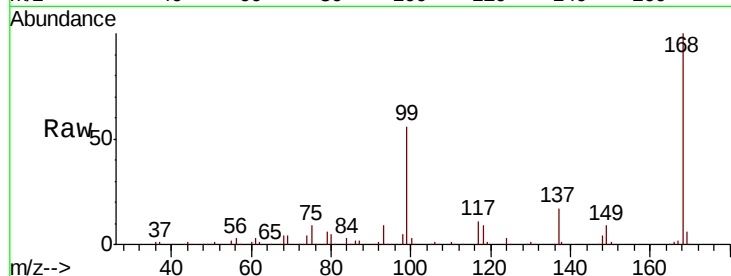
Time-->



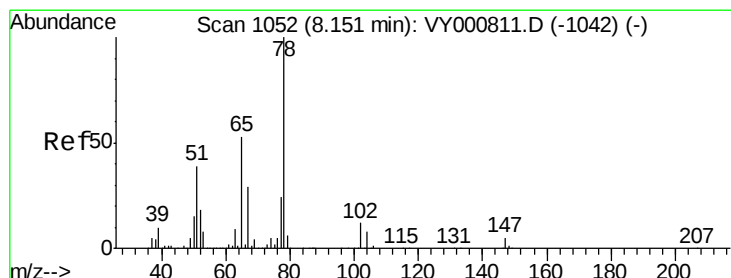
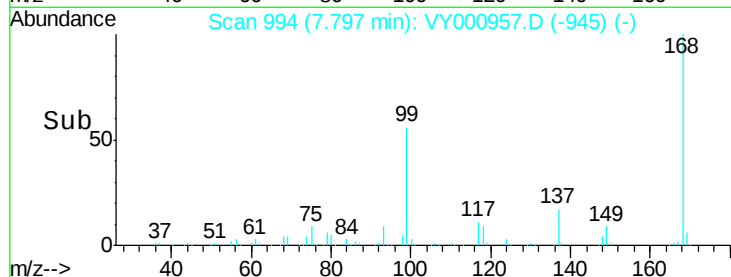
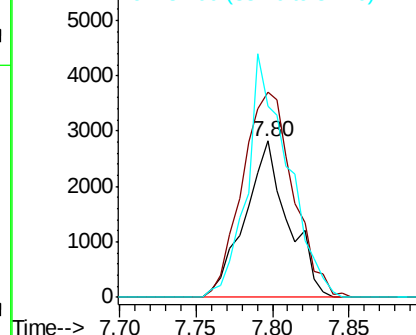
#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000957.D
Acq: 16 Dec 2019 16:11

Instrument :
MSVOA_Y
ClientSampleId :
178K-SB3

Tgt Ion: 56 Resp: 5563
Ion Ratio Lower Upper
56 100
69 131.5 25.9 38.9#
84 134.8 68.6 102.8#

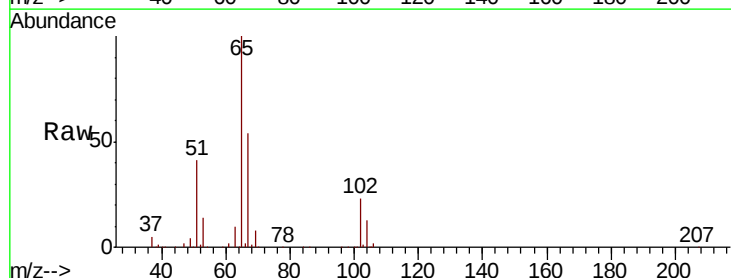


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

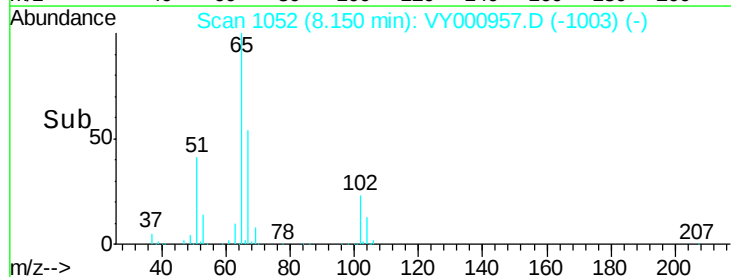
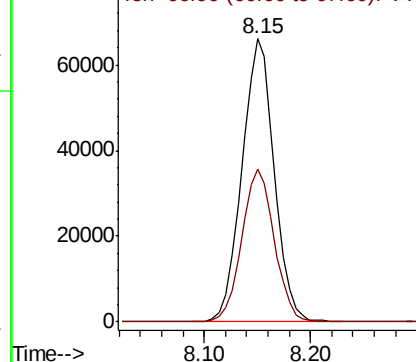


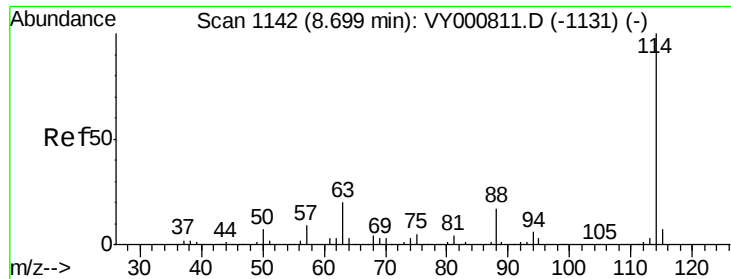
#33
1,2-Dichloroethane-d4
Concen: 57.819 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000957.D
Acq: 16 Dec 2019 16:11

Tgt Ion: 65 Resp: 140176
Ion Ratio Lower Upper
65 100
67 54.5 0.0 112.0



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

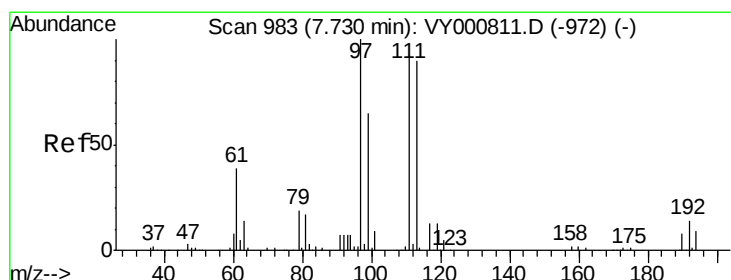
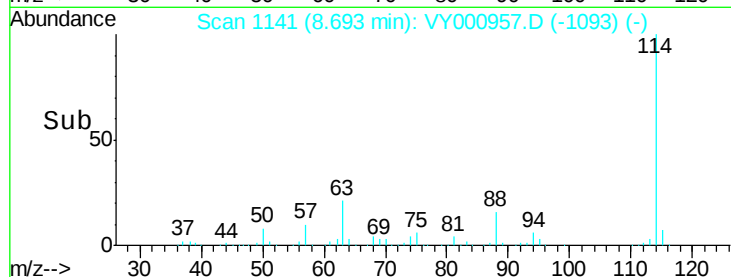
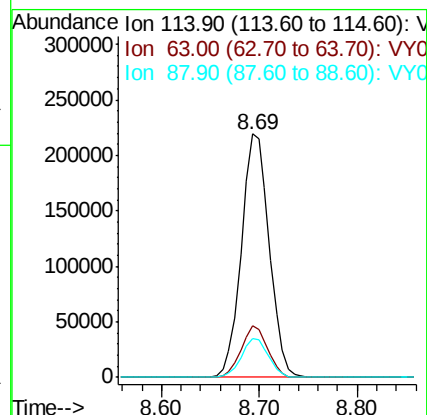
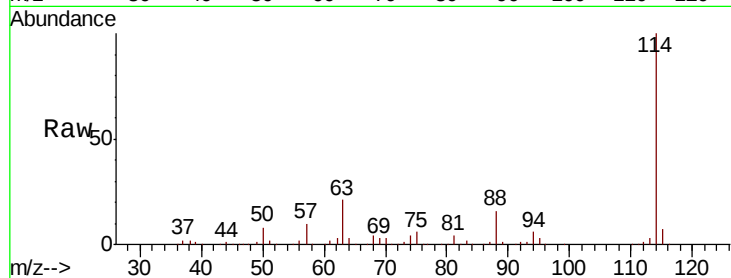




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000957.D
 Acq: 16 Dec 2019 16:11

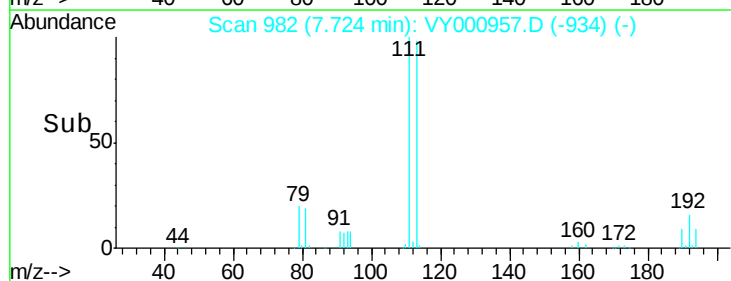
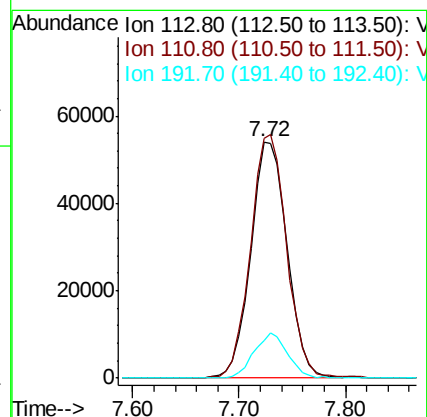
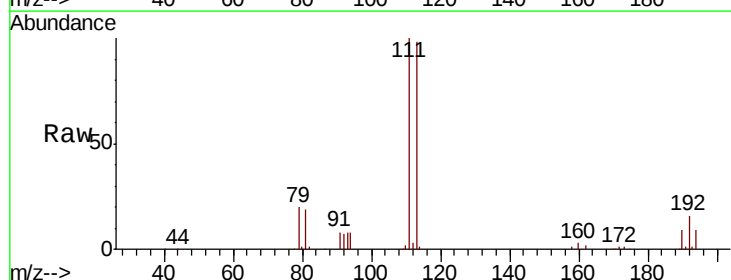
Instrument :
 MSVOA_Y
 ClientSampleId :
 178K-SB3

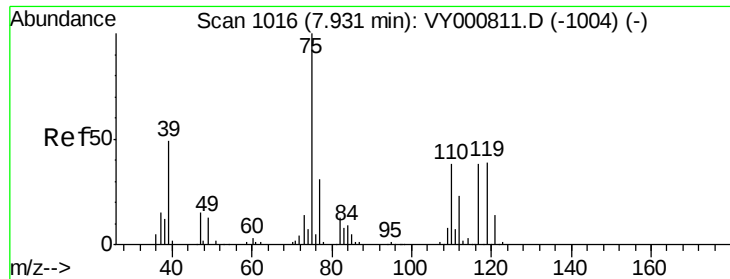
Tgt Ion:114 Resp: 432249
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.8
 88 15.7 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 51.350 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000957.D
 Acq: 16 Dec 2019 16:11

Tgt Ion:113 Resp: 129358
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 17.8 14.2 21.2

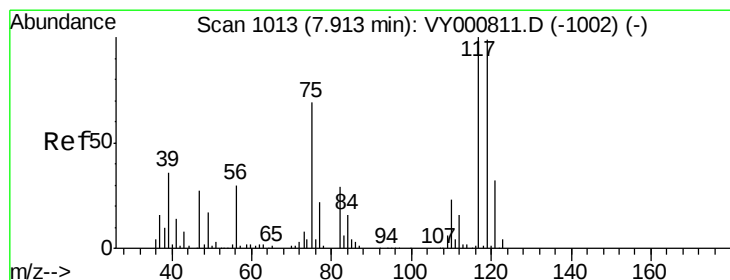
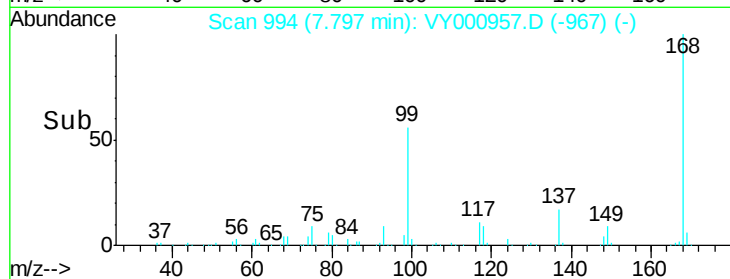
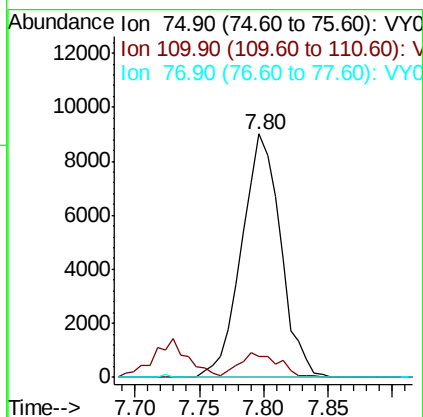
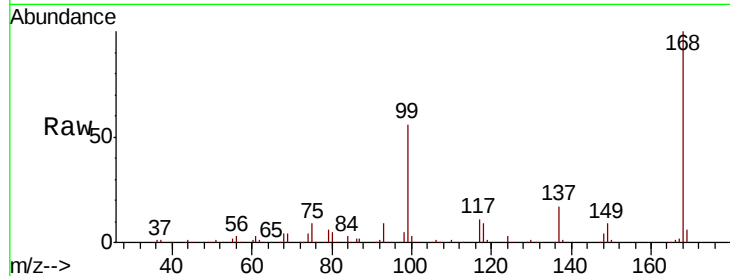




#36
 1,1-Dichloropropene
 Concen: 4.400 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000957.D
 Acq: 16 Dec 2019 16:11

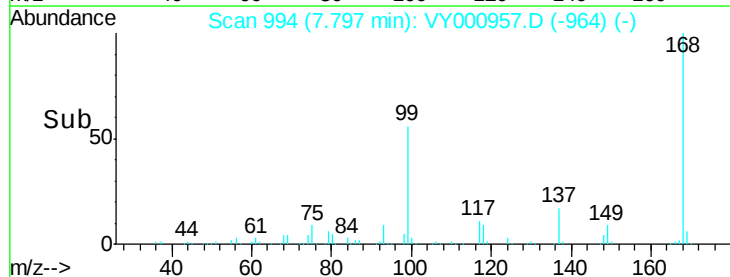
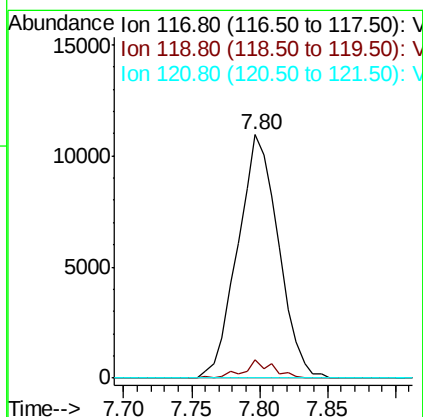
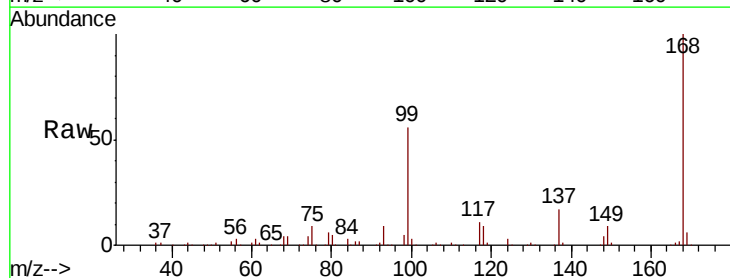
Instrument :
 MSVOA_Y
 ClientSampleId :
 178K-SB3

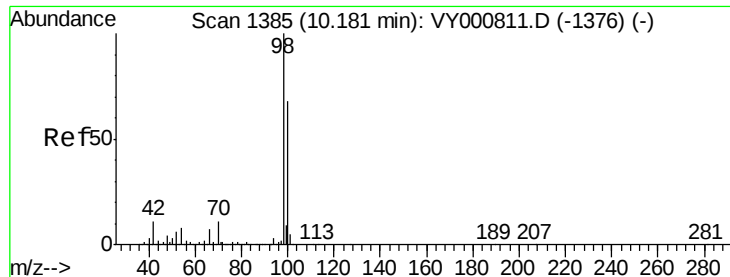
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.9	53.7#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.973 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000957.D
 Acq: 16 Dec 2019 16:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	79.3	118.9#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 50.908 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000957.D

Acq: 16 Dec 2019 16:11

Instrument :

MSVOA_Y

ClientSampleId :

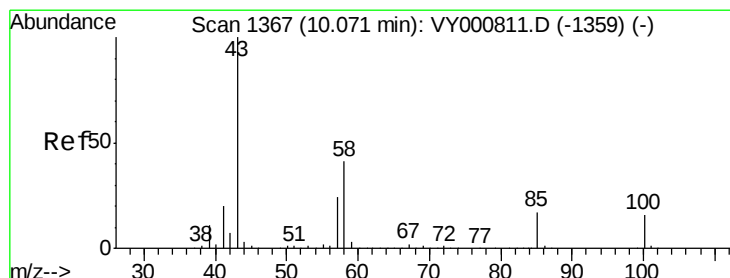
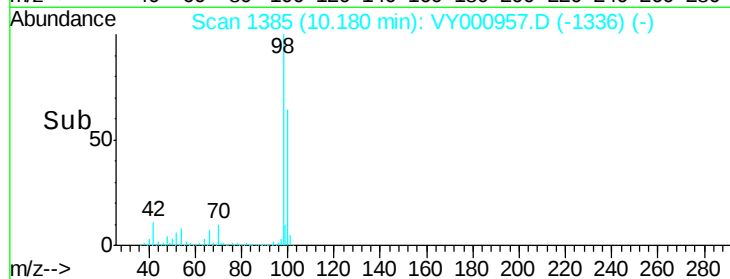
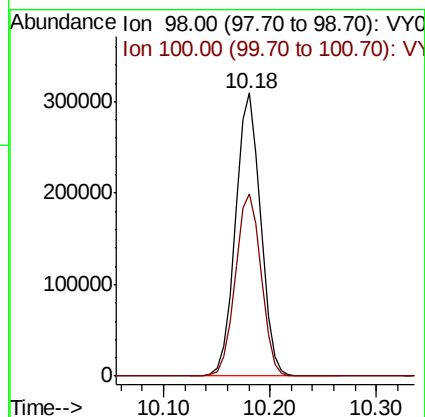
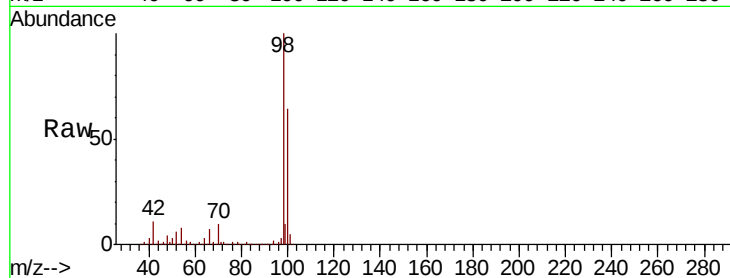
178K-SB3

Tgt Ion: 98 Resp: 512717

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 1.031 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.11 min

Lab File: VY000957.D

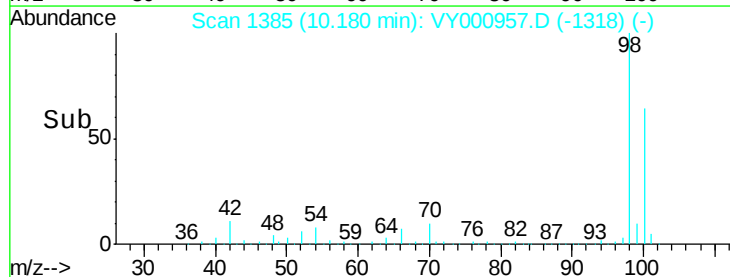
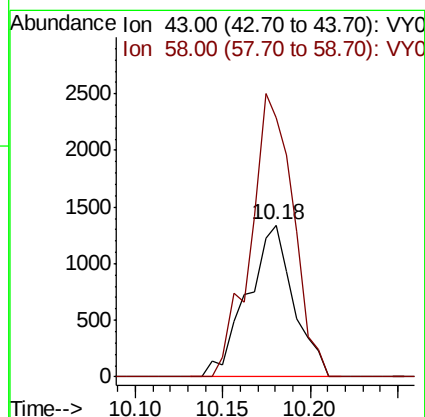
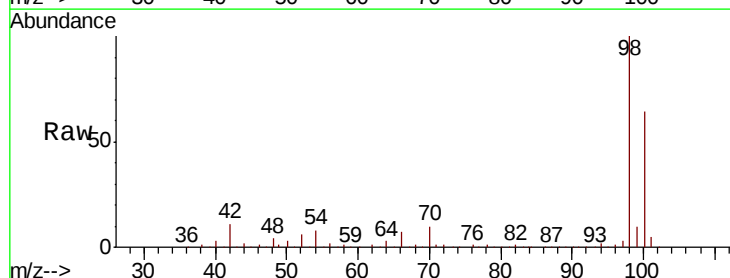
Acq: 16 Dec 2019 16:11

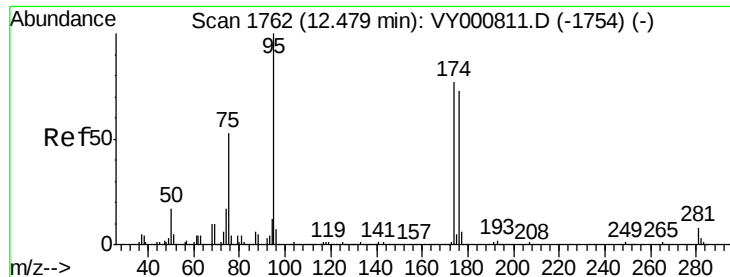
Tgt Ion: 43 Resp: 2490

Ion Ratio Lower Upper

43 100

58 170.6 33.1 49.7#

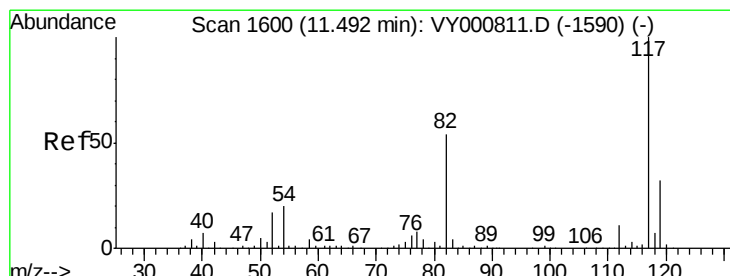
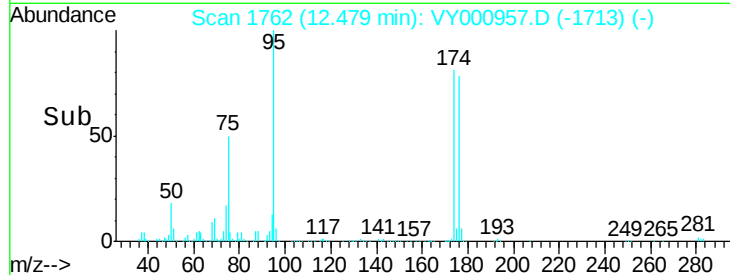
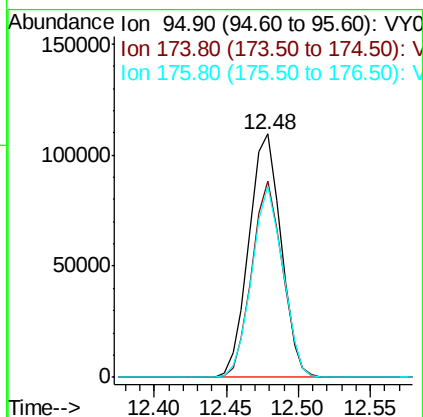
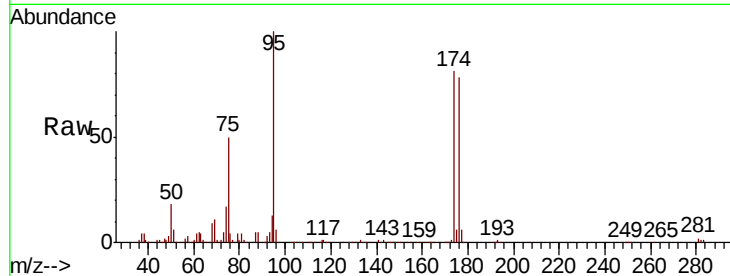




#62
4-Bromofluorobenzene
Concen: 44.665 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000957.D
Acq: 16 Dec 2019 16:11

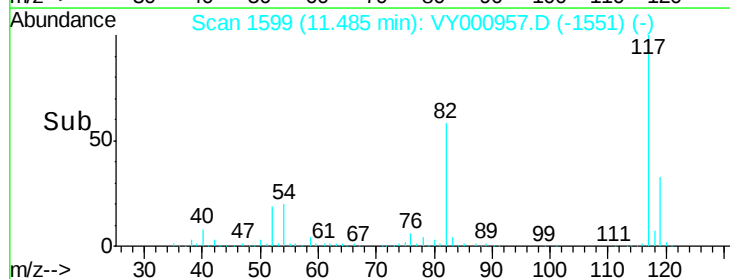
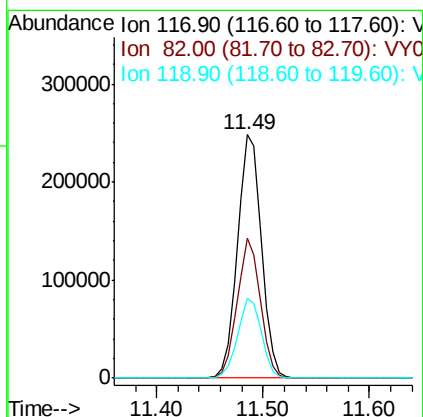
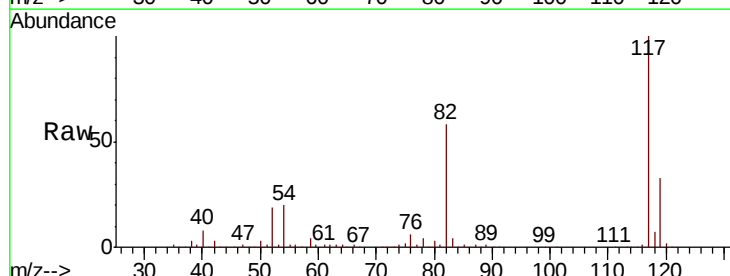
Instrument :
MSVOA_Y
ClientSampled :
178K-SB3

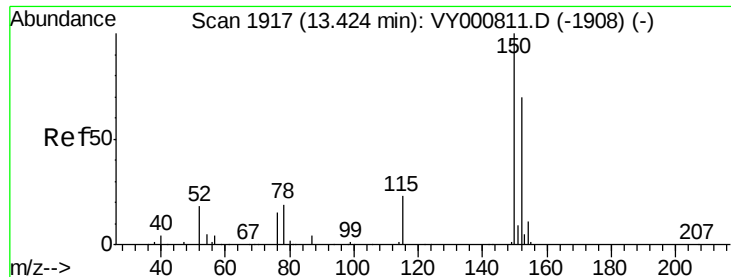
Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	150.6
176	75.6	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000957.D
Acq: 16 Dec 2019 16:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.5	43.1	64.7
119	32.5	25.3	37.9



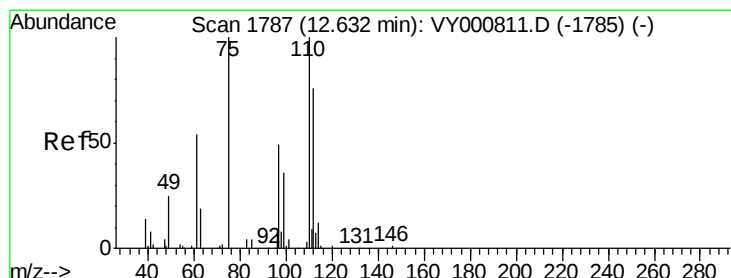
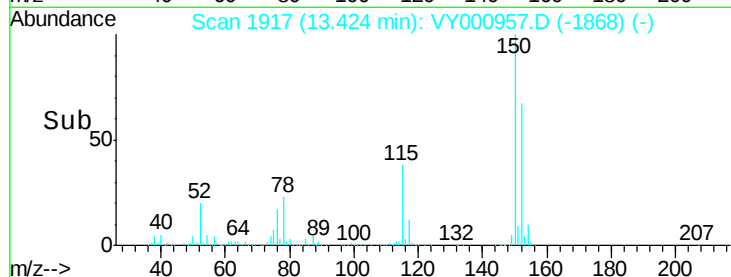
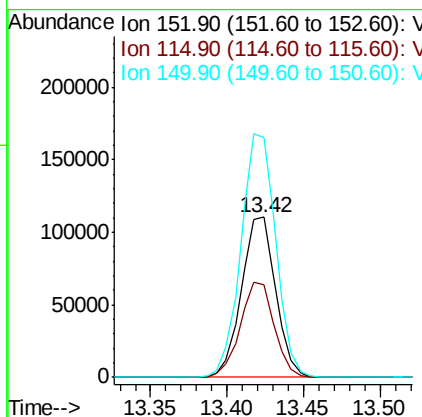
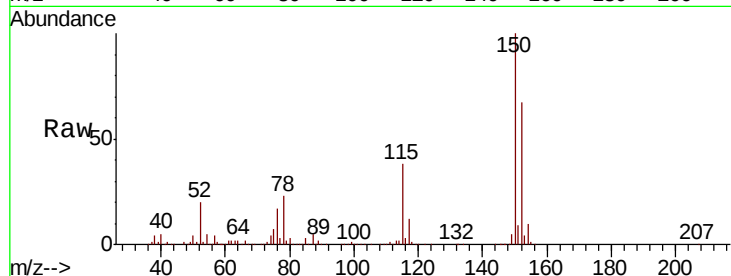


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000957.D
Acq: 16 Dec 2019 16:11

Instrument :
MSVOA_Y
ClientSampleId :
178K-SB3

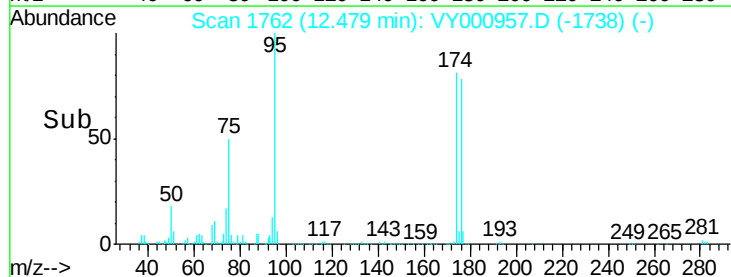
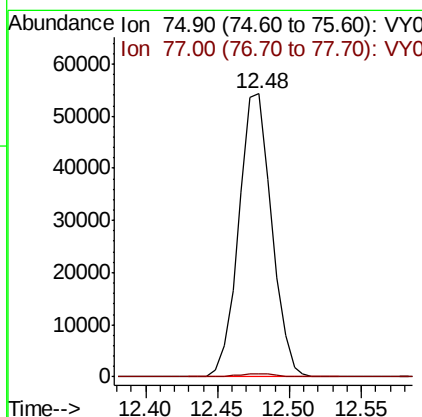
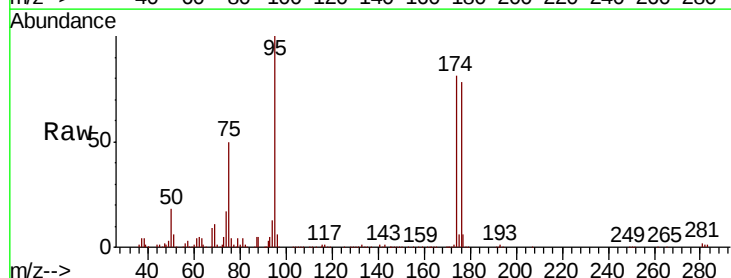
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.3	87.8
150	155.2	0.0	351.2

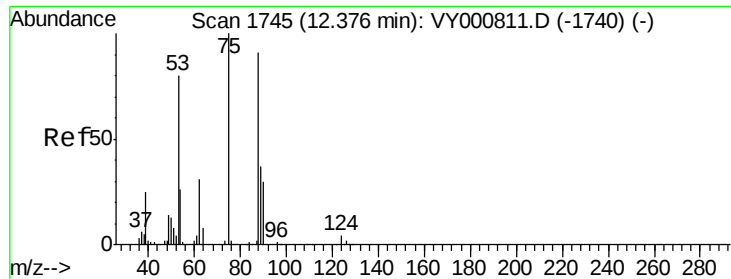


#76

1,2,3-Trichloropropane
Concen: 44.311 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000957.D
Acq: 16 Dec 2019 16:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 87.040 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000957.D

Acq: 16 Dec 2019 16:11

Instrument :

MSVOA_Y

ClientSampleId :

178K-SB3

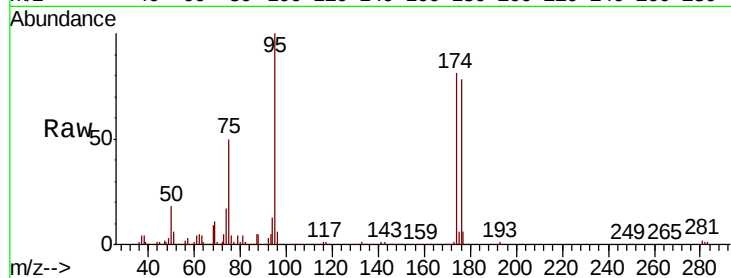
Tgt Ion: 75 Resp: 85767

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 33.6 50.4#



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

