

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121719\
 Data File : VY000981.D
 Acq On : 17 Dec 2019 16:12
 Operator : SY/MD
 Sample : K6324-02
 Misc : 5.96G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-10

Quant Time: Dec 18 05:52:00 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	131908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	231831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	194558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	80075	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	69166	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	7.72	113	64550	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	10.18	98	270767	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.48	95	81380	40.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.24%	

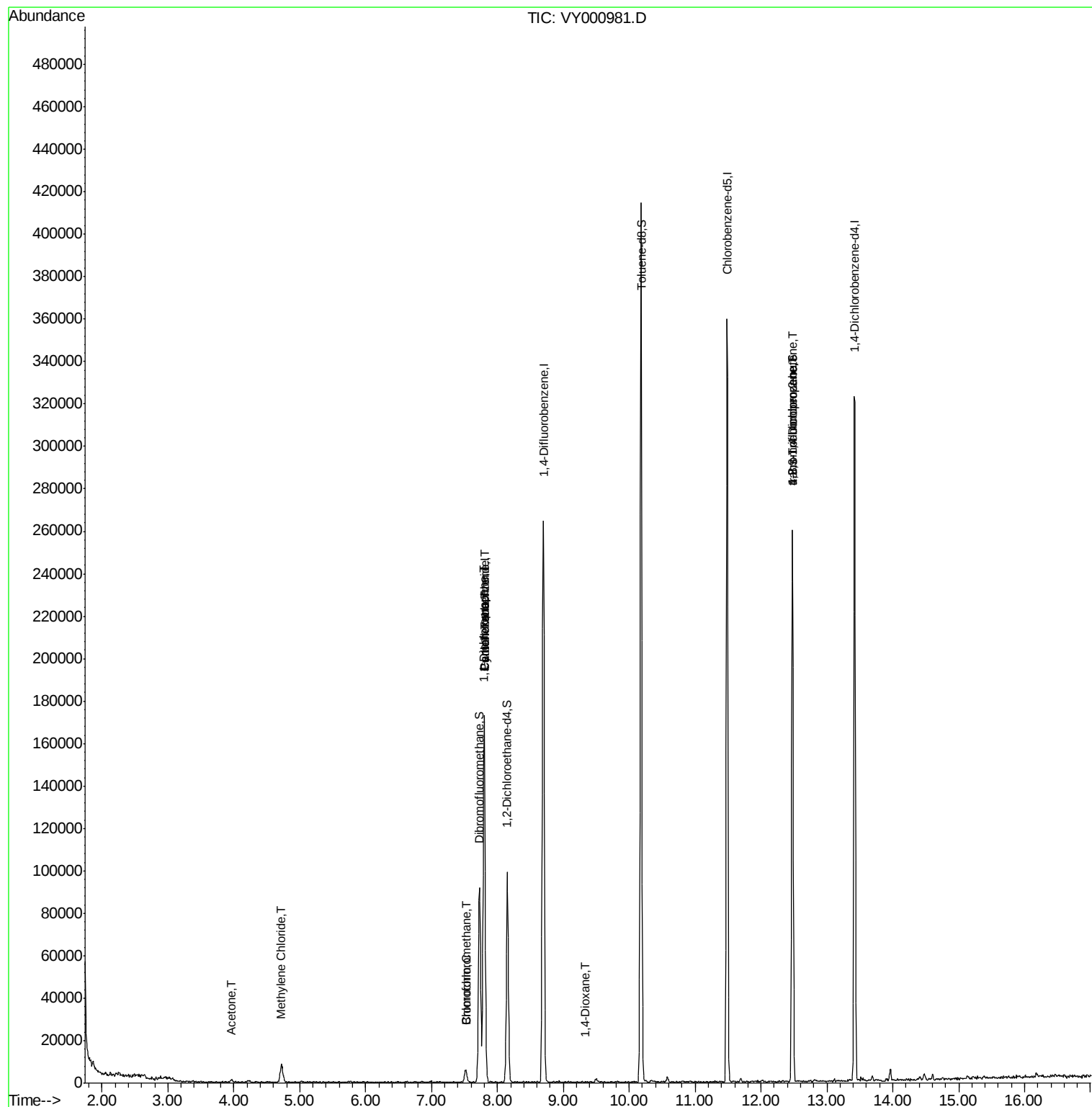
Target Compounds					Qvalue
5) Bromomethane	2.64	94	47	Below Cal	# 3
16) Acetone	3.96	43	1505	4.681 ug/l	# 78
20) Methylene Chloride	4.72	84	5794	3.419 ug/l	# 84
28) Bromochloromethane	7.52	49	356	2.347 ug/l	# 15
30) Chloroform	7.52	83	6084	2.159 ug/l	# 85
31) Cyclohexane	7.80	56	3054	1.026 ug/l	# 1
36) 1,1-Dichloropropene	7.79	75	10144	4.401 ug/l	# 50
38) Carbon Tetrachloride	7.80	117	12162	5.924 ug/l	# 16
49) 1,4-Dioxane	9.35	88	30	2.403 ug/l	# 27
76) 1,2,3-Trichloropropane	12.48	75	40168	44.275 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	40168	86.968 ug/l	# 17

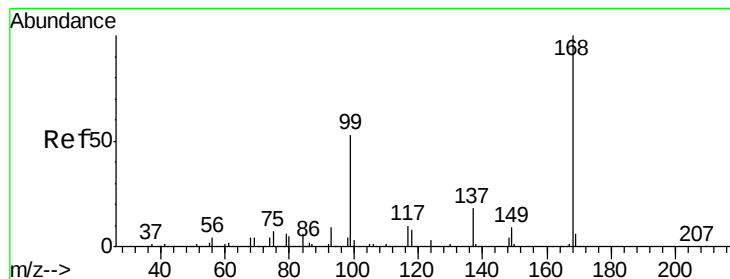
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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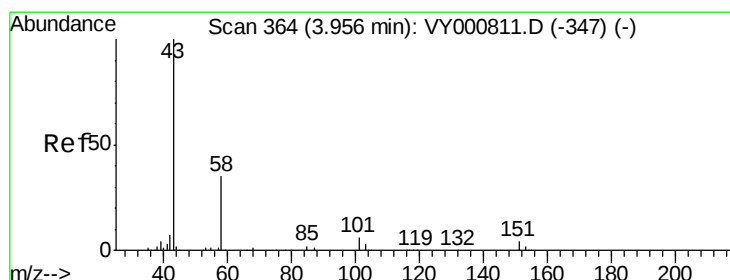
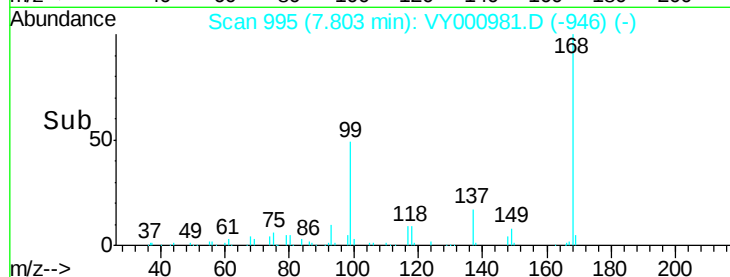
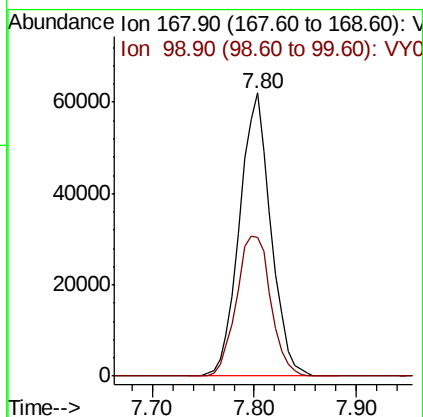
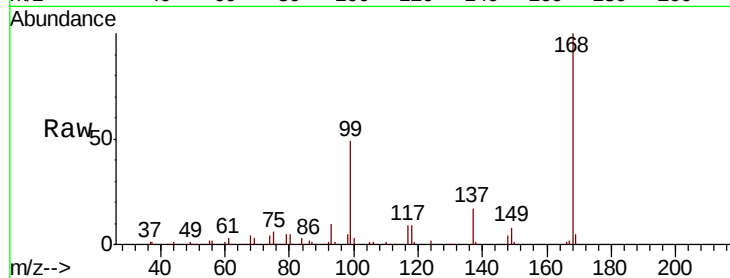




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY000981.D
Acq: 17 Dec 2019 16:12

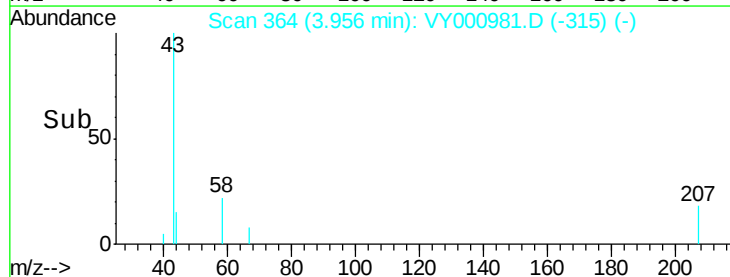
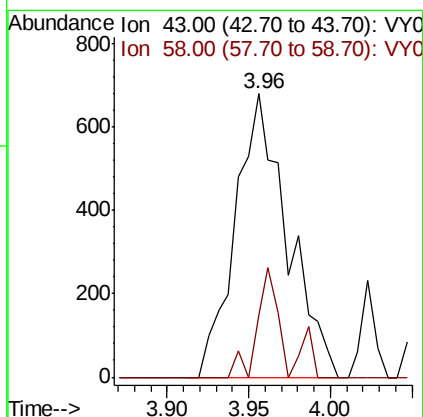
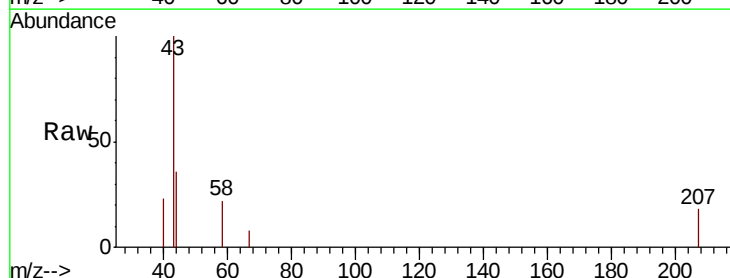
Instrument :
MSVOA_Y
ClientSampleId :
EP-10

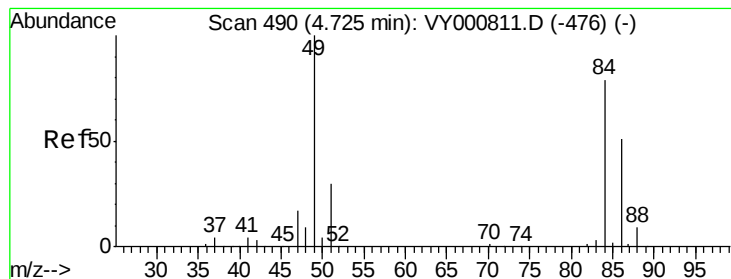
Tgt Ion: 168 Resp: 131908
Ion Ratio Lower Upper
168 100
99 49.1 45.0 67.6



#16
Acetone
Concen: 4.681 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY000981.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 43 Resp: 1505
Ion Ratio Lower Upper
43 100
58 21.9 28.0 42.0#





#20

Methylene Chloride

Concen: 3.419 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000981.D

Acq: 17 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

EP-10

Tgt Ion: 84 Resp: 5794

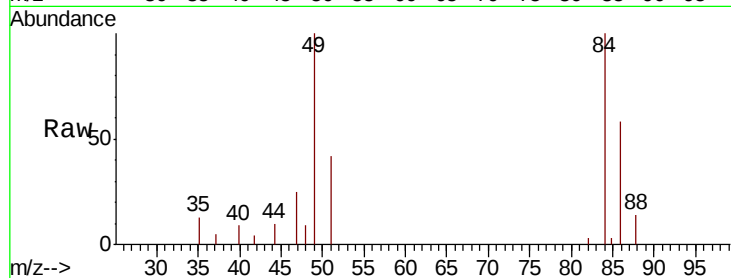
Ion Ratio Lower Upper

84 100

49 99.6 101.3 151.9#

51 42.0 30.6 45.8

86 58.3 51.3 76.9

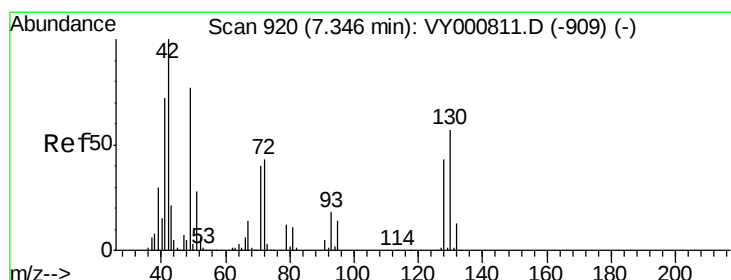
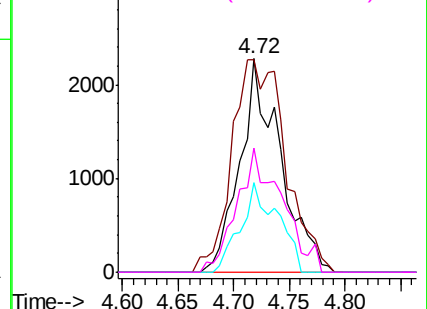
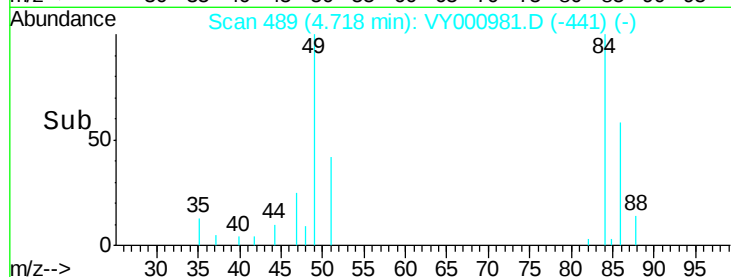


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#28

Bromochloromethane

Concen: 2.347 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.17 min

Lab File: VY000981.D

Acq: 17 Dec 2019 16:12

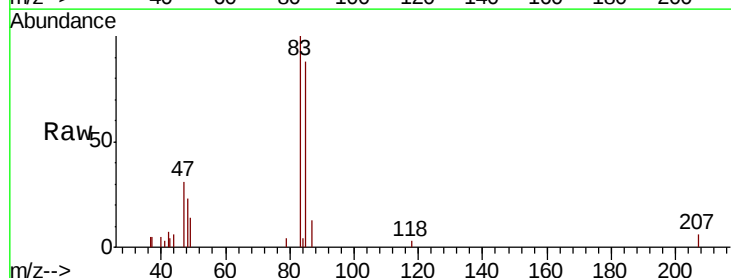
Tgt Ion: 49 Resp: 356

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

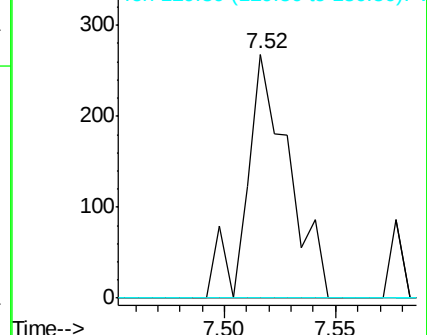
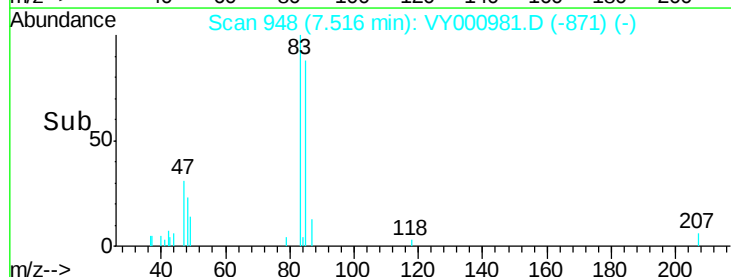
130 0.0 58.7 88.1#

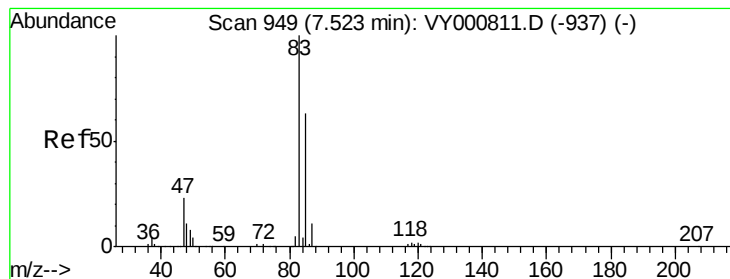


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#30

Chloroform

Concen: 2.159 ug/l

RT: 7.52 min Scan# 949

Delta R.T. -0.00 min

Lab File: VY000981.D

Acq: 17 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

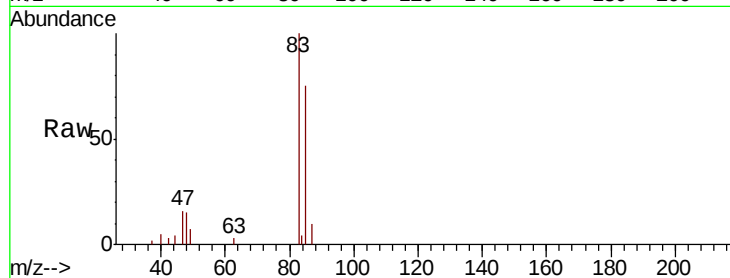
EP-10

Tgt Ion: 83 Resp: 6084

Ion Ratio Lower Upper

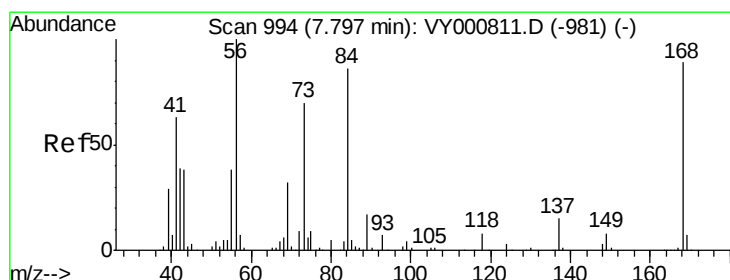
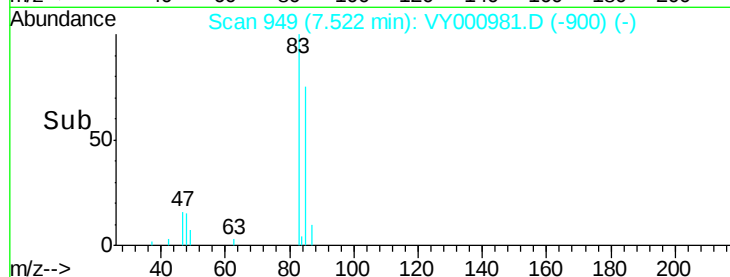
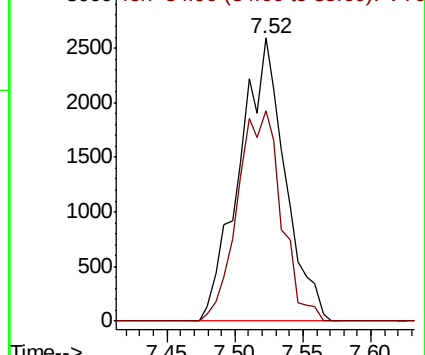
83 100

85 74.5 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0



#31

Cyclohexane

Concen: 1.026 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000981.D

Acq: 17 Dec 2019 16:12

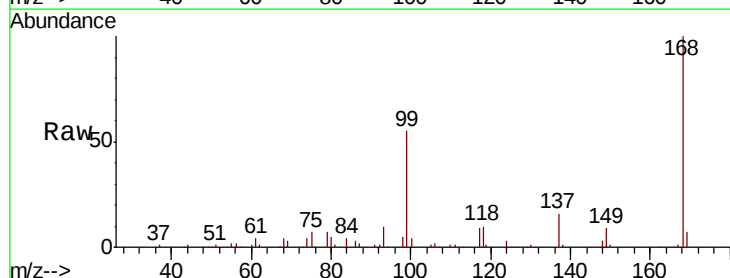
Tgt Ion: 56 Resp: 3054

Ion Ratio Lower Upper

56 100

69 132.3 25.9 38.9#

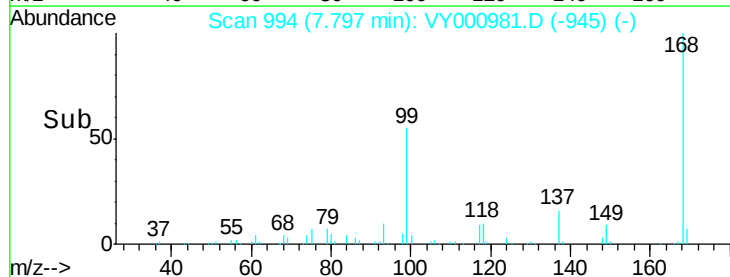
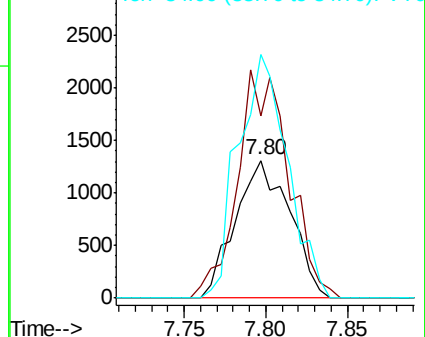
84 177.1 68.6 102.8#

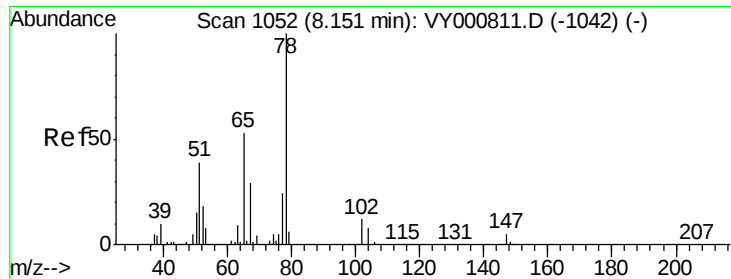


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

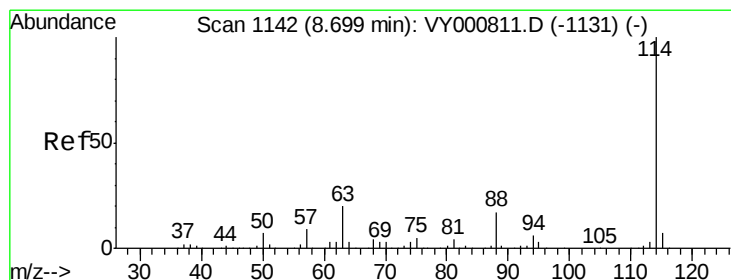
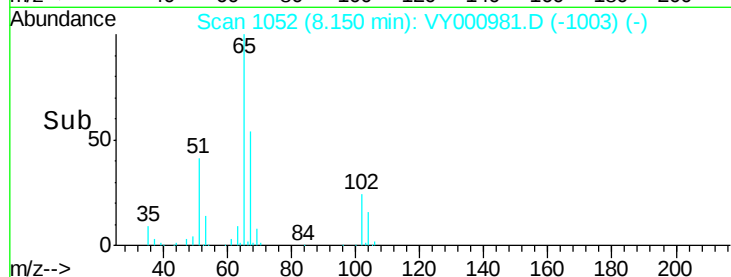
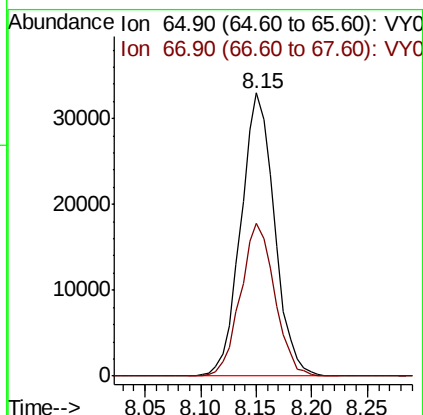
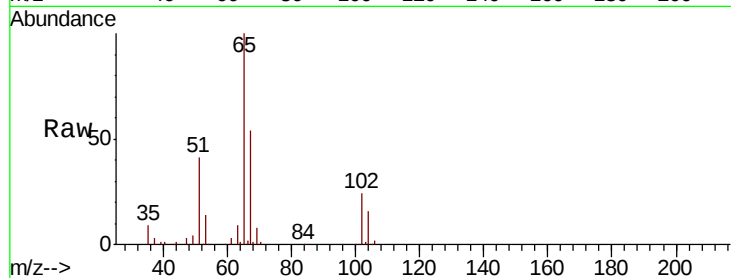




#33
 1,2-Dichloroethane-d4
 Concen: 49.347 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000981.D
 Acq: 17 Dec 2019 16:12

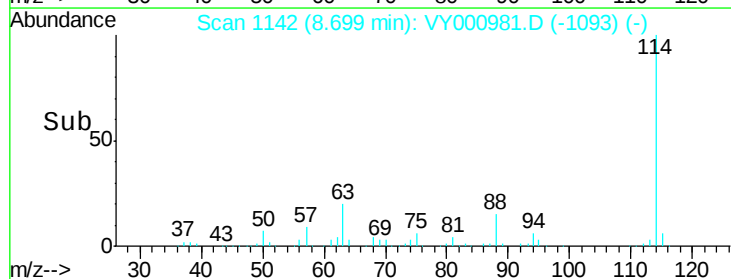
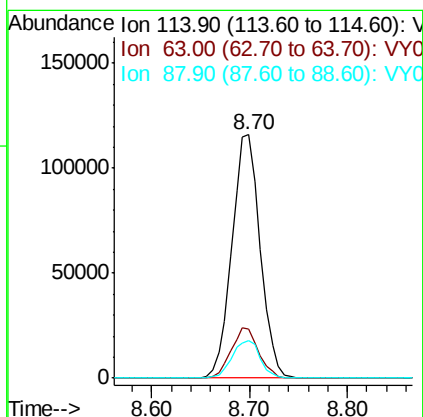
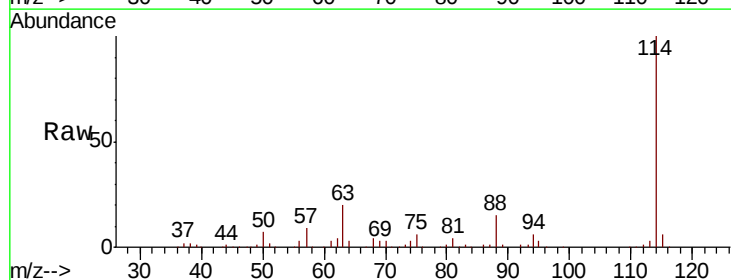
Instrument :
 MSVOA_Y
 ClientSampled :
 EP-10

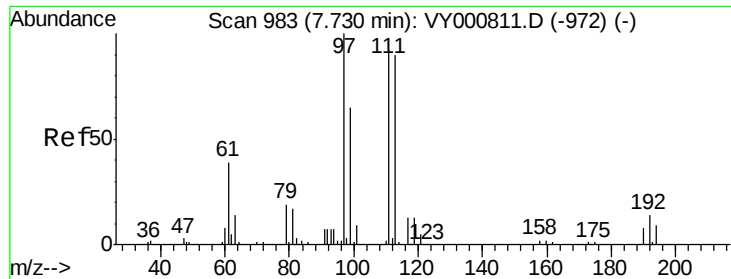
Tgt Ion: 65 Resp: 69166
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000981.D
 Acq: 17 Dec 2019 16:12

Tgt Ion: 114 Resp: 231831
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.4 0.0 33.2

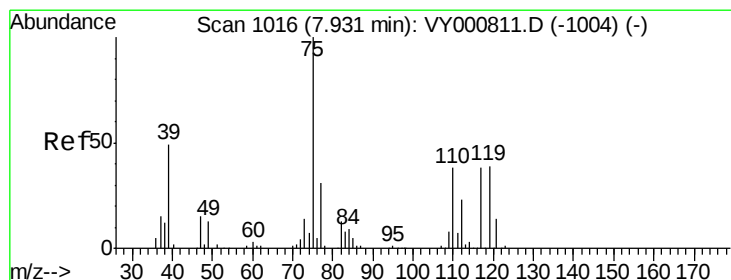
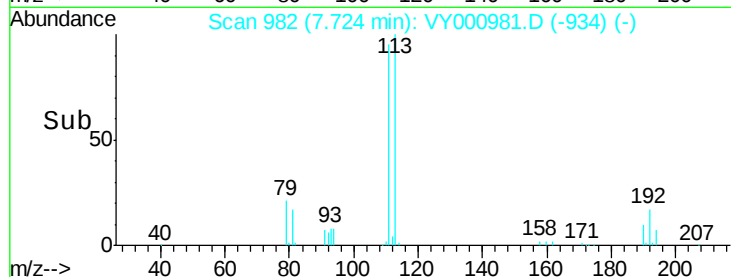
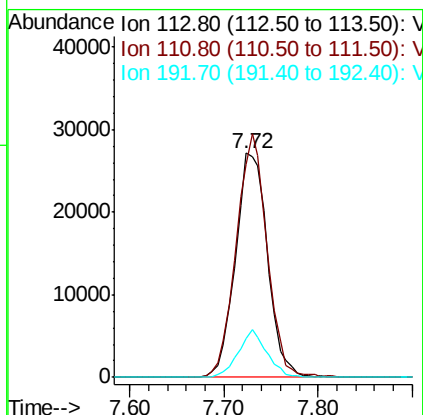
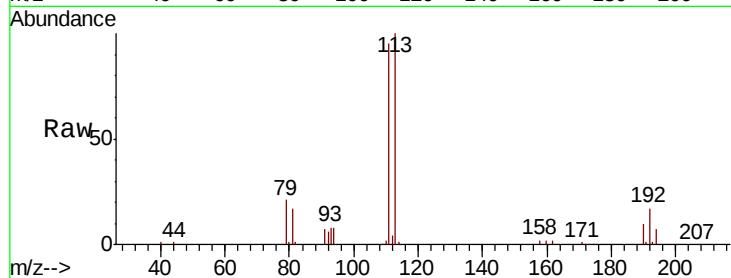




#35
 Dibromofluoromethane
 Concen: 47.776 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000981.D
 Acq: 17 Dec 2019 16:12

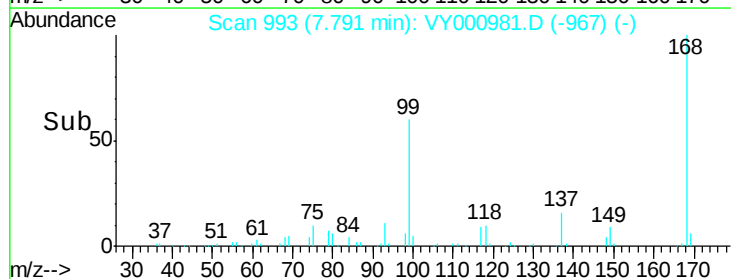
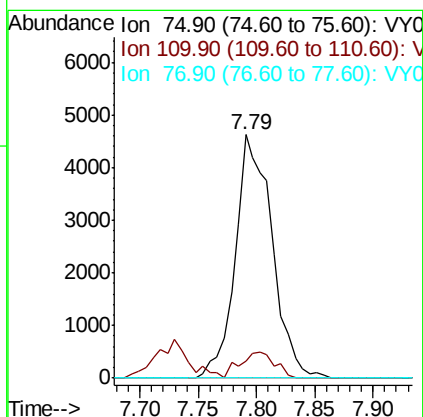
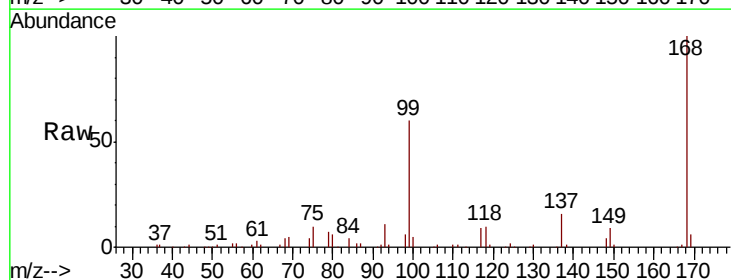
Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-10

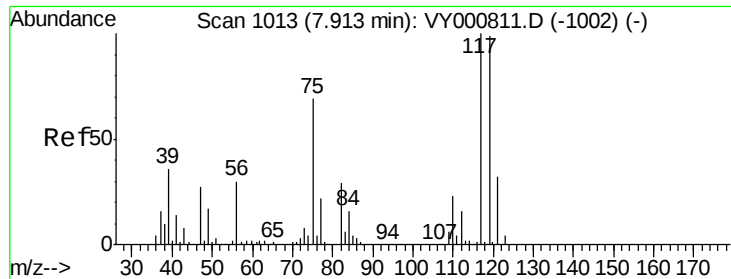
Tgt Ion:113 Resp: 64550
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.4 123.6
 192 18.9 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.401 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.14 min
 Lab File: VY000981.D
 Acq: 17 Dec 2019 16:12

Tgt Ion: 75 Resp: 10144
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.9 53.7#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.924 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000981.D

Acq: 17 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampled :

EP-10

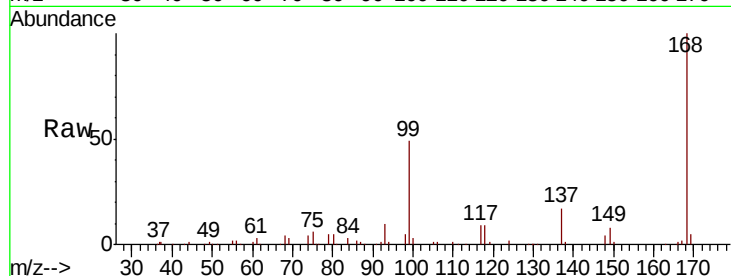
Tgt Ion:117 Resp: 12162

Ion Ratio Lower Upper

117 100

119 6.7 79.3 118.9#

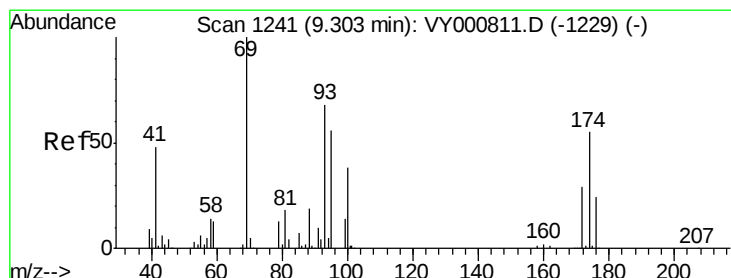
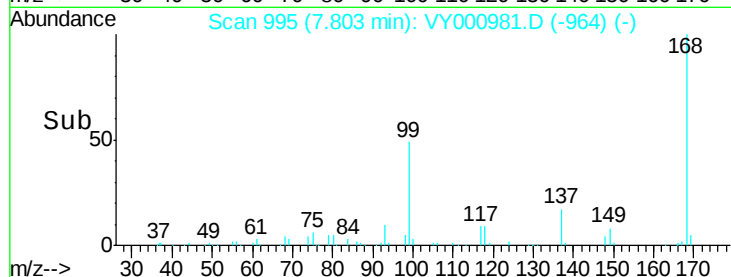
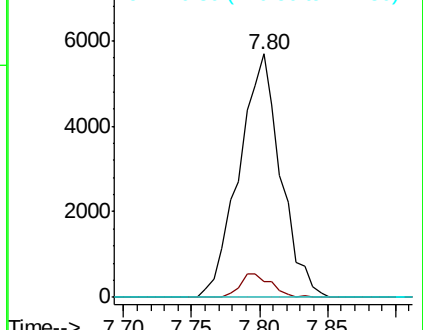
121 0.0 25.5 38.3#



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



#49

1,4-Dioxane

Concen: 2.403 ug/l

RT: 9.35 min Scan# 1248

Delta R.T. 0.04 min

Lab File: VY000981.D

Acq: 17 Dec 2019 16:12

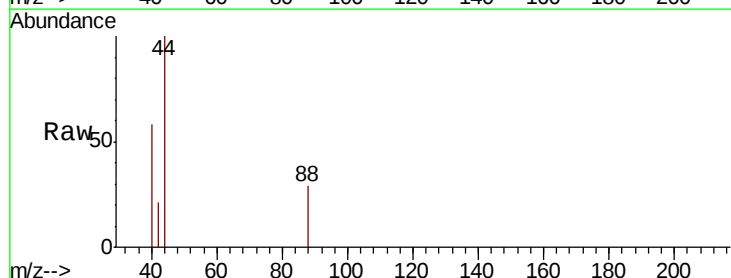
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 0.0 21.1 31.7#

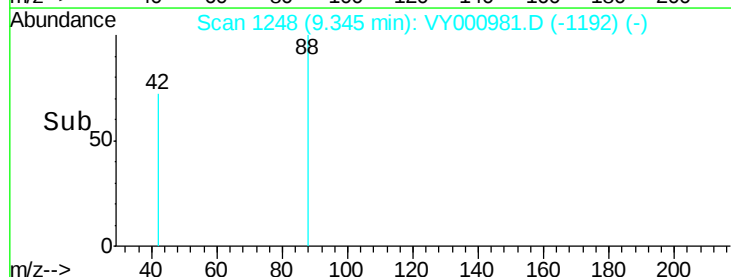
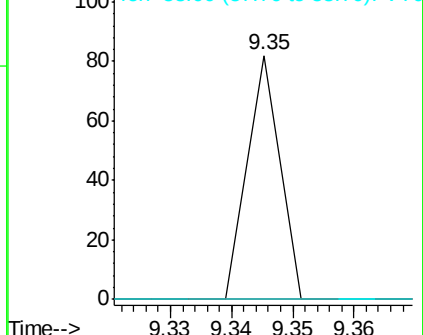
58 0.0 50.7 76.1#

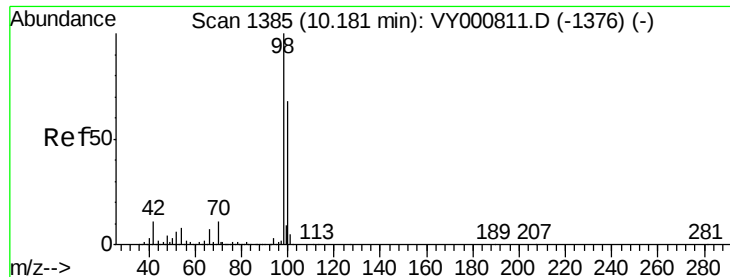


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 50.127 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000981.D

Acq: 17 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

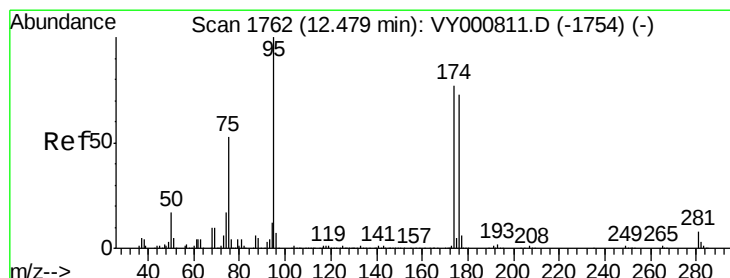
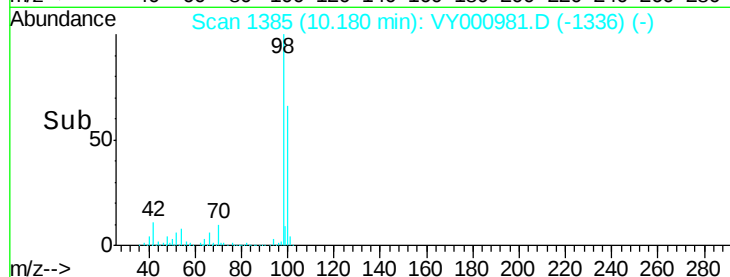
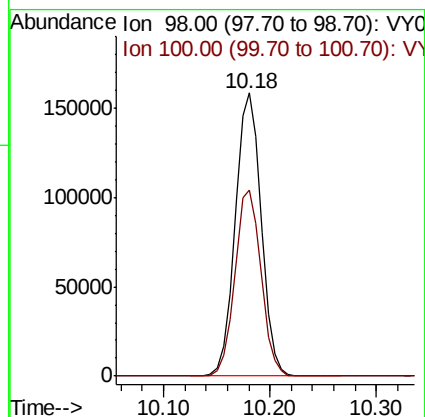
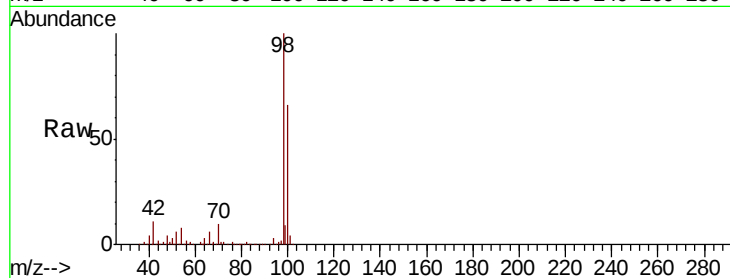
EP-10

Tgt Ion: 98 Resp: 270767

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 40.116 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000981.D

Acq: 17 Dec 2019 16:12

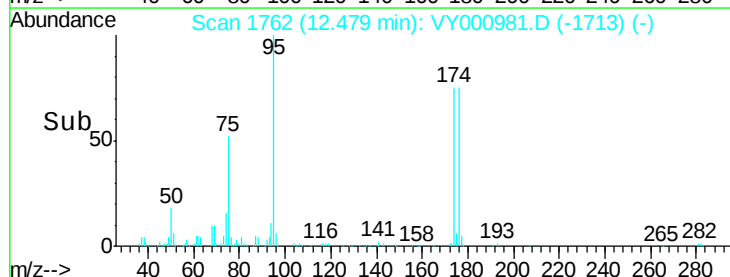
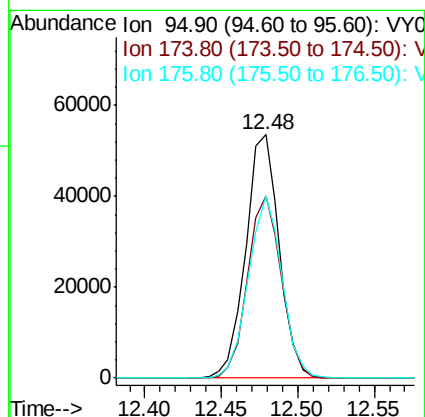
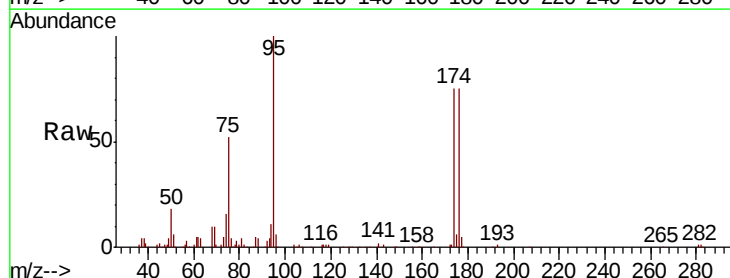
Tgt Ion: 95 Resp: 81380

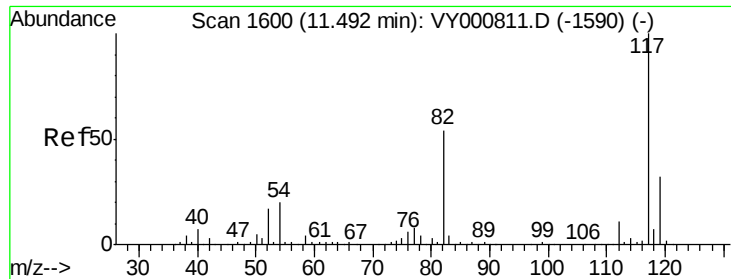
Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.6

176 75.0 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: VY000981.D

Acq: 17 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

EP-10

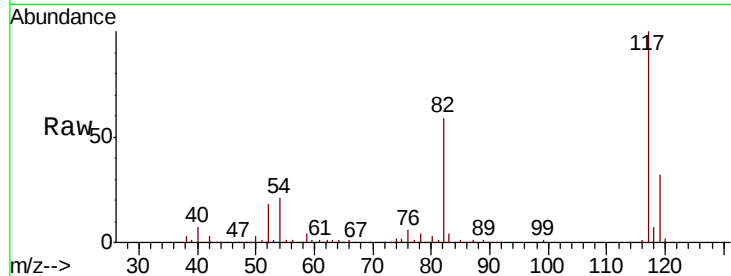
Tgt Ion:117 Resp: 194558

Ion Ratio Lower Upper

117 100

82 59.0 43.1 64.7

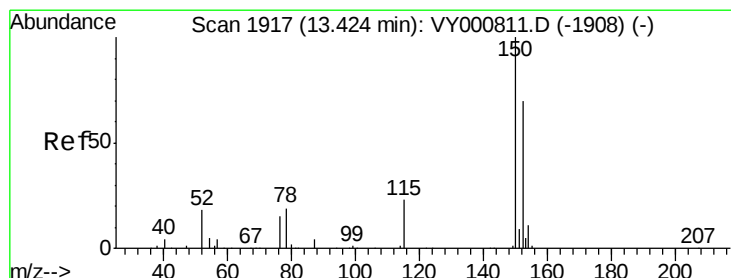
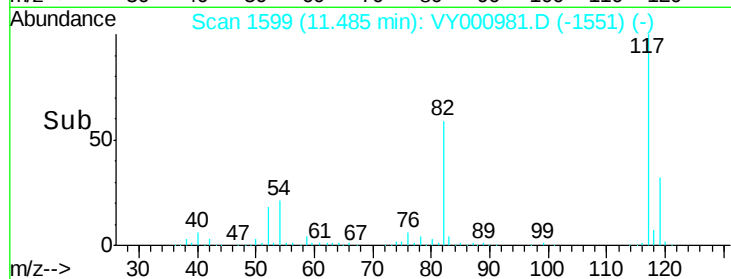
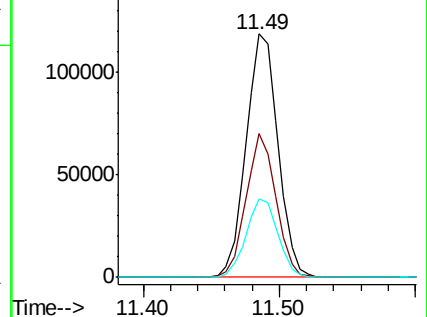
119 32.4 25.3 37.9



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: VY000981.D

Acq: 17 Dec 2019 16:12

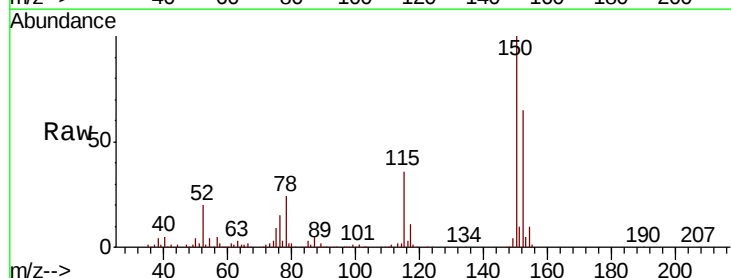
Tgt Ion:152 Resp: 80075

Ion Ratio Lower Upper

152 100

115 60.1 29.3 87.8

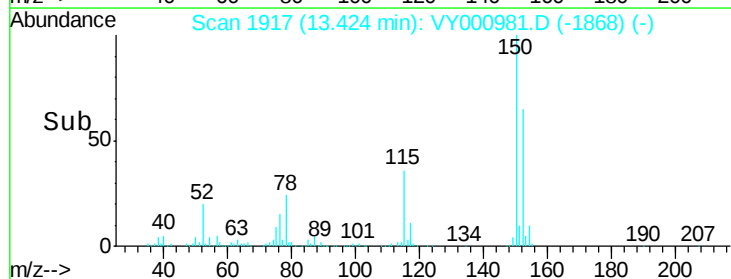
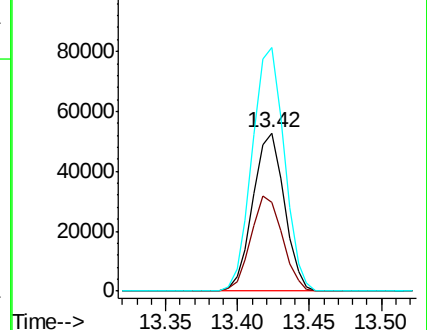
150 156.0 0.0 351.2

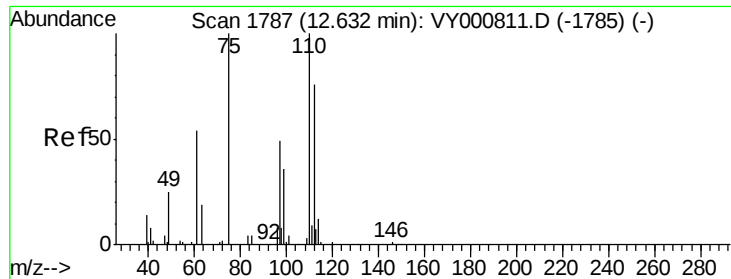


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 44.275 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000981.D

Acq: 17 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

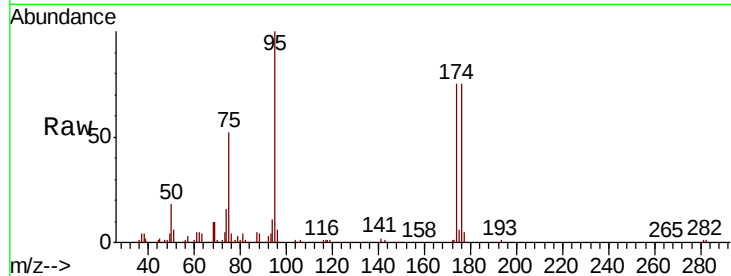
EP-10

Tgt Ion: 75 Resp: 40168

Ion Ratio Lower Upper

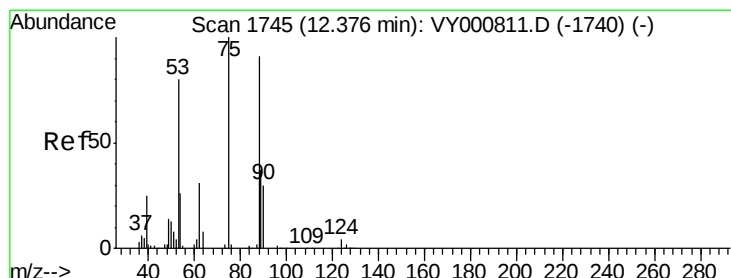
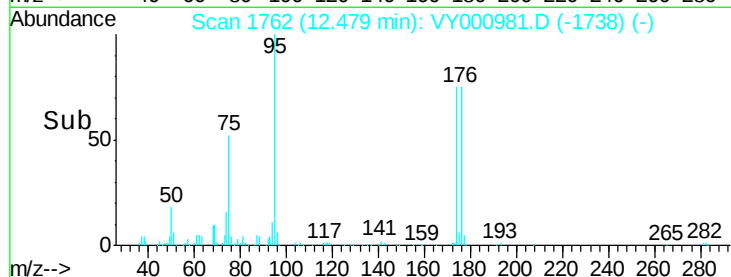
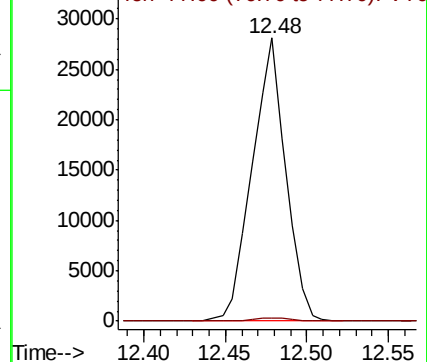
75 100

77 1.2 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: 86.968 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000981.D

Acq: 17 Dec 2019 16:12

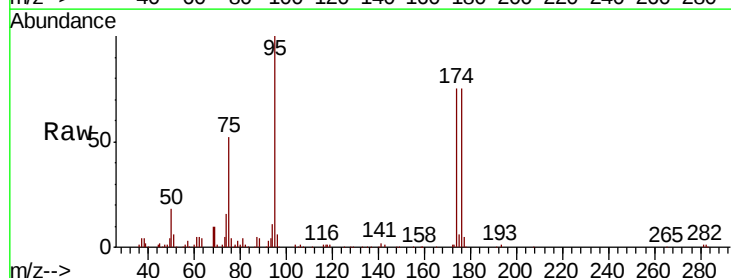
Tgt Ion: 75 Resp: 40168

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

