

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000544.D
 Acq On : 06 Nov 2019 12:34
 Operator : SY/MD
 Sample : K5624-01
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE

Quant Time: Nov 07 04:55:38 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	223093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	394187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	342087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	149302	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	126865	54.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.90%	
35) Dibromofluoromethane	7.73	113	114530	49.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.98%	
50) Toluene-d8	10.18	98	445082	50.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.48	95	146245	43.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.50%	

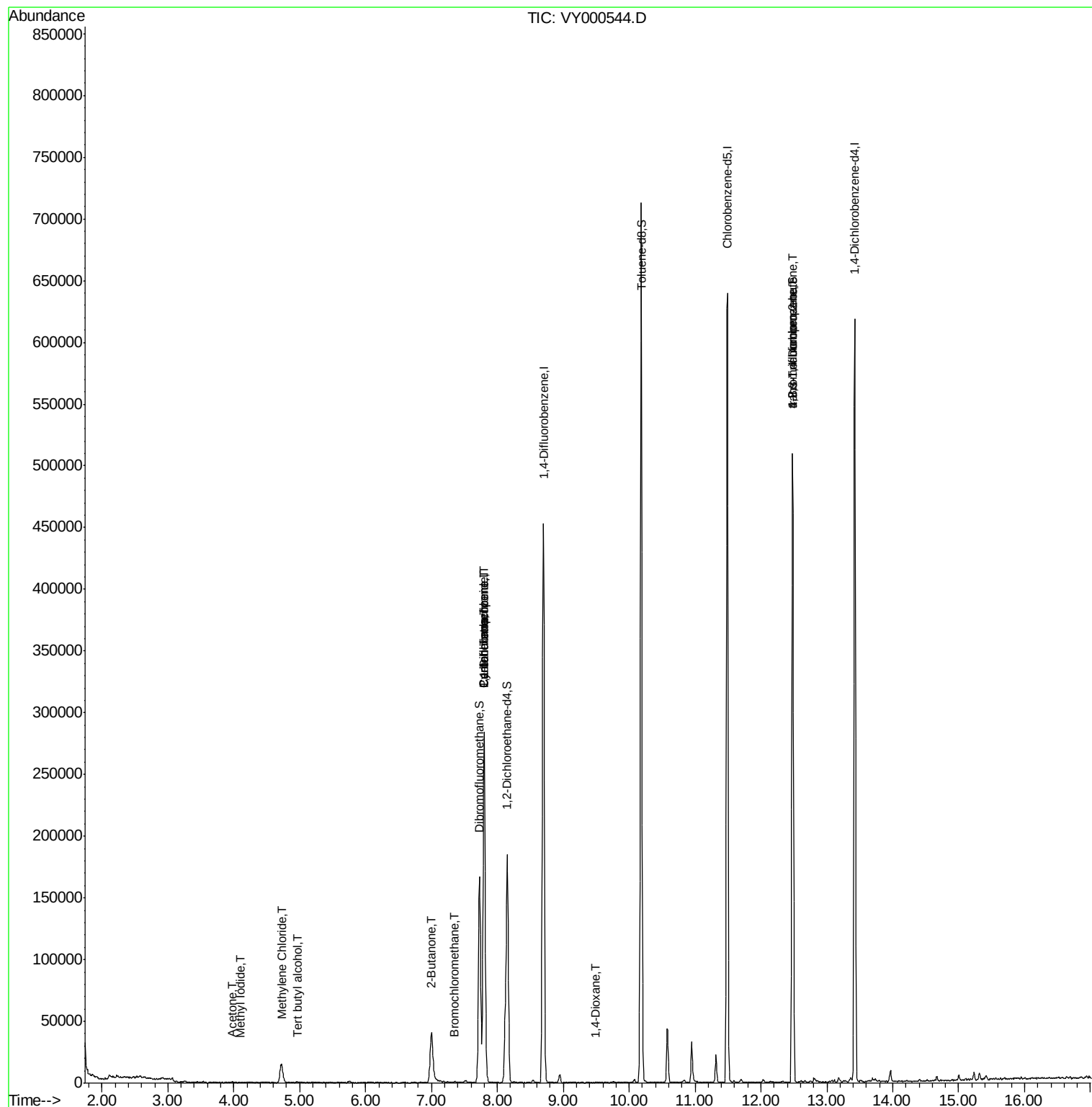
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	102	3.231	ug/l #	41
11) Tert butyl alcohol	4.97	59	273	1.215	ug/l #	72
16) Acetone	3.98	43	919	1.444	ug/l #	42
20) Methylene Chloride	4.72	84	11273	4.135	ug/l #	90
25) 2-Butanone	7.00	43	1890	1.861	ug/l #	49
28) Bromochloromethane	7.35	49	82	4.131	ug/l #	14
31) Cyclohexane	7.79	56	4897	1.096	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18743	5.030	ug/l #	47
38) Carbon Tetrachloride	7.80	117	21869	6.099	ug/l #	15
49) 1,4-Dioxane	9.49	88	28	1.407	ug/l #	7
76) 1,2,3-Trichloropropane	12.48	75	81090	47.700	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81090	106.949	ug/l #	13

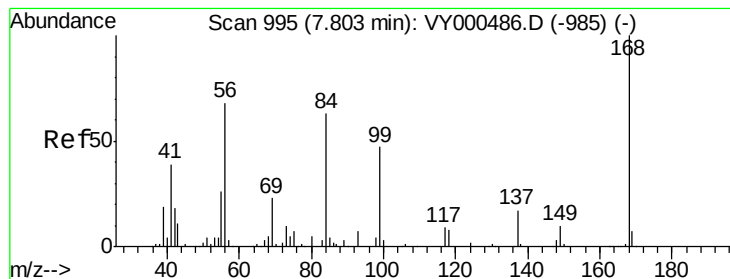
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000544.D

Acq: 06 Nov 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

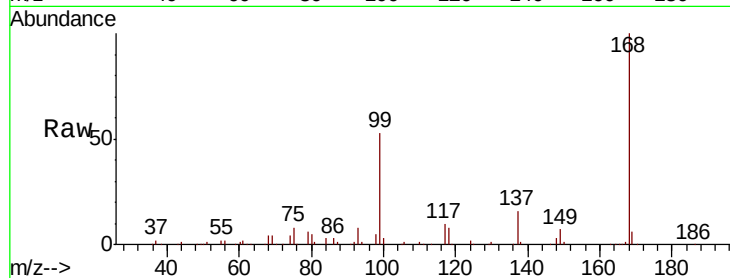
WASTE

Tot Ion:168 Resp: 223093

Ion Ratio Lower Upper

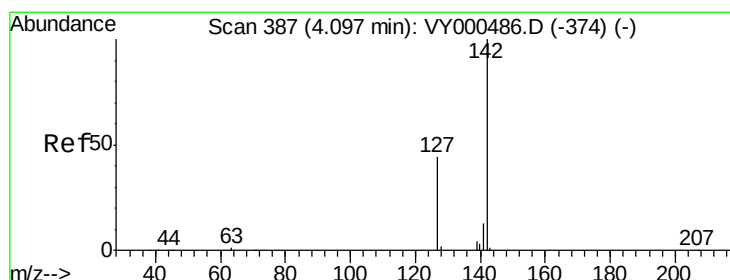
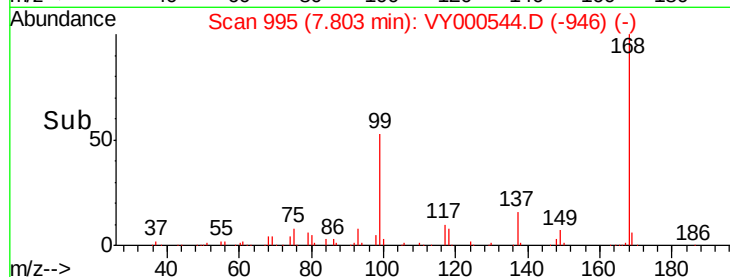
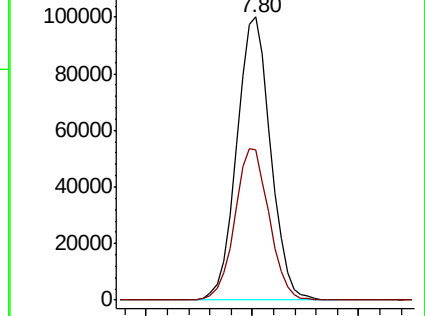
168 100

99 53.2 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: 3.231 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

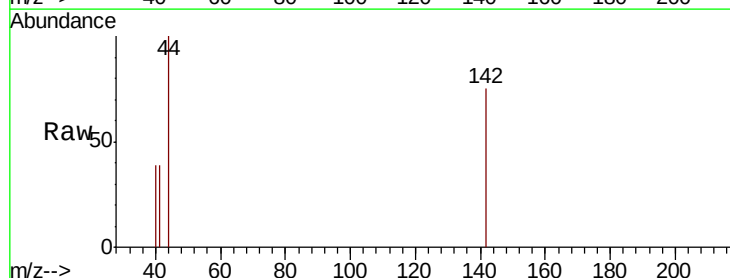
Tgt Ion:142 Resp: 102

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

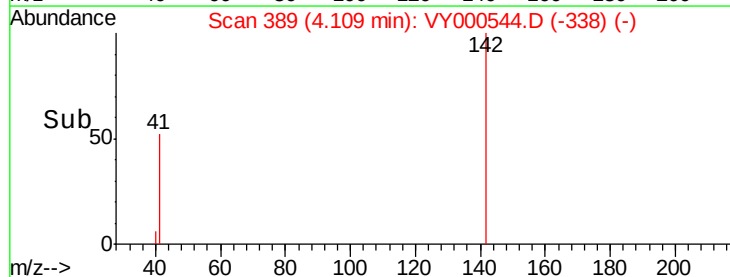
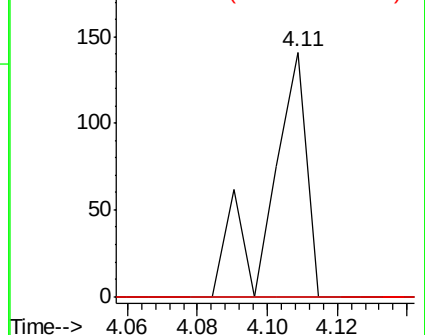
141 0.0 10.9 16.3#

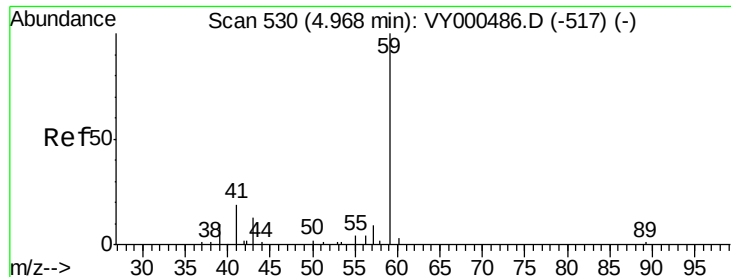


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

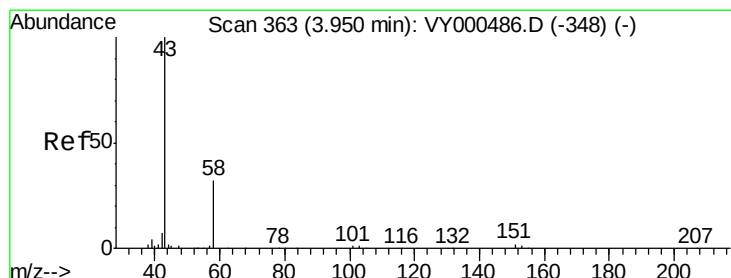
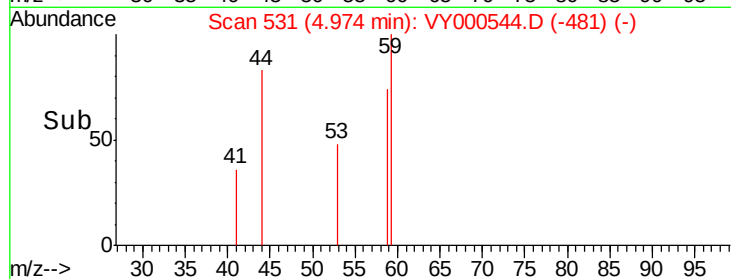
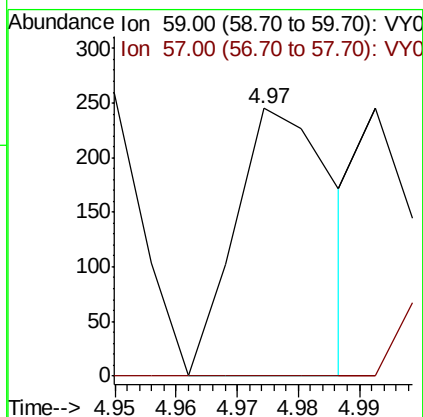
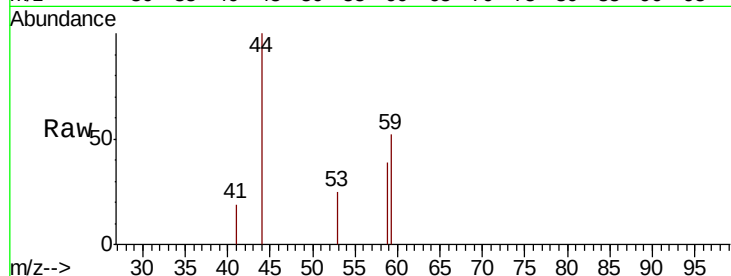




#11
Tert butyl alcohol
Concen: 1.215 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY000544.D
Acq: 06 Nov 2019 12:34

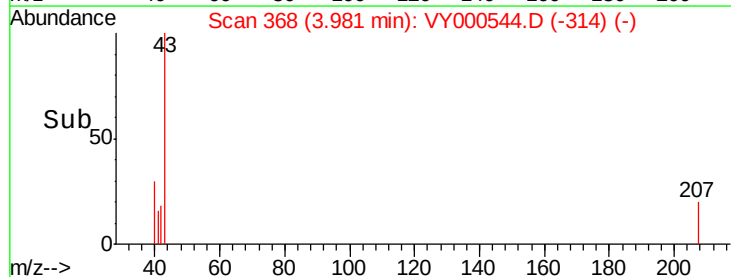
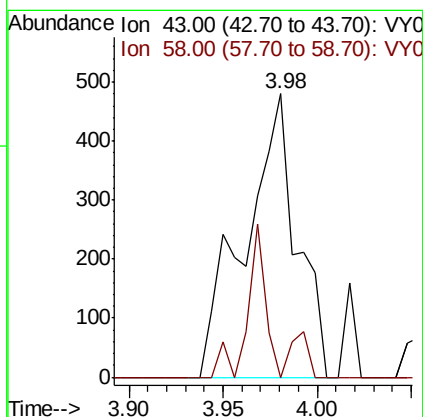
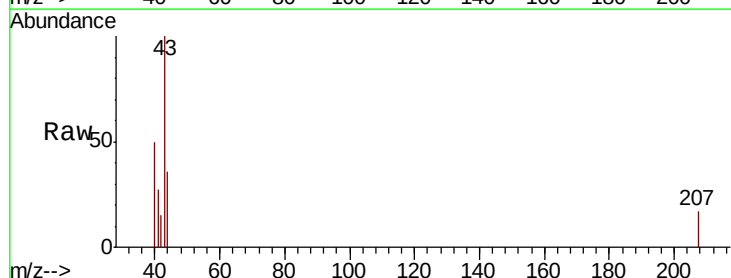
Instrument :
MSVOA_Y
ClientSampleId :
WASTE

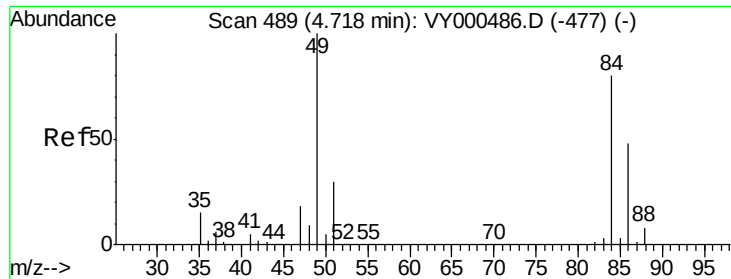
Tot Ion: 59 Resp: 273
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 1.444 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.03 min
Lab File: VY000544.D
Acq: 06 Nov 2019 12:34

Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#

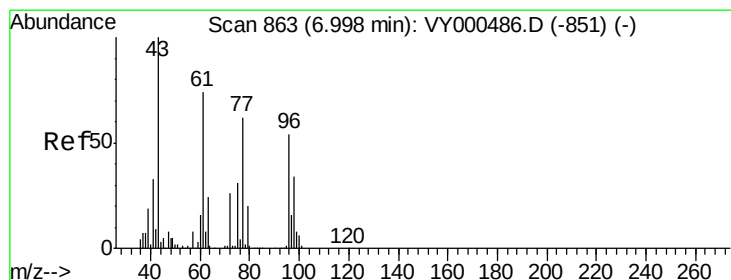
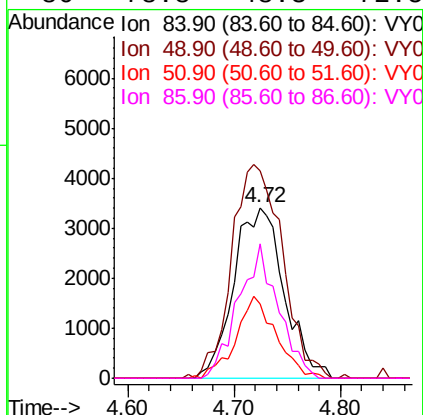
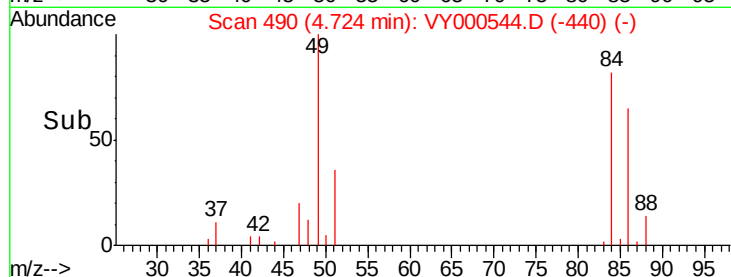
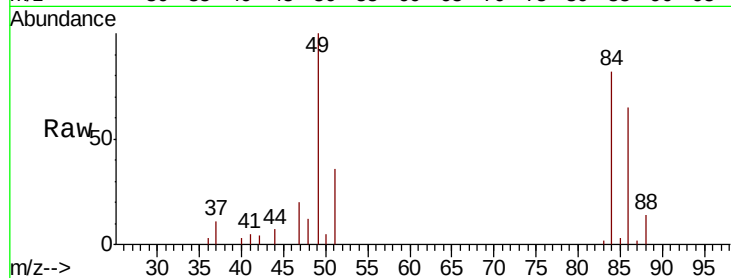




#20
Methylene Chloride
Concen: 4.135 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000544.D
Acq: 06 Nov 2019 12:34

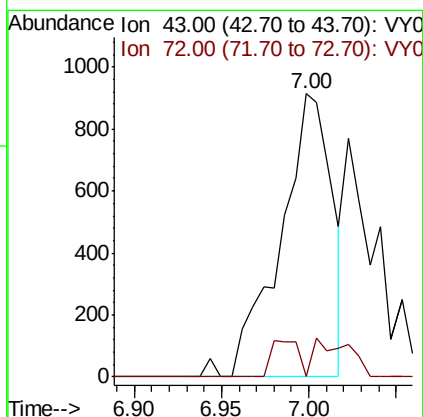
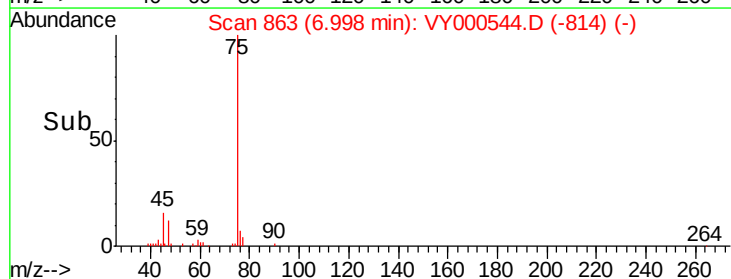
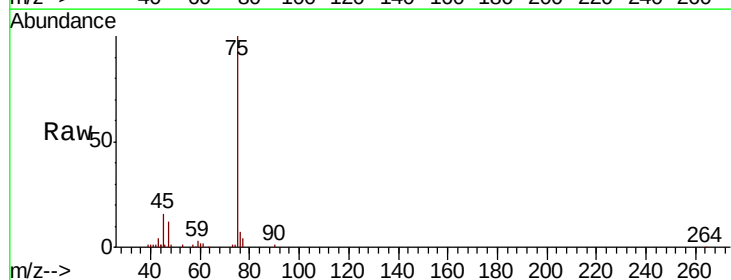
Instrument :
MSVOA_Y
ClientSampleId :
WASTE

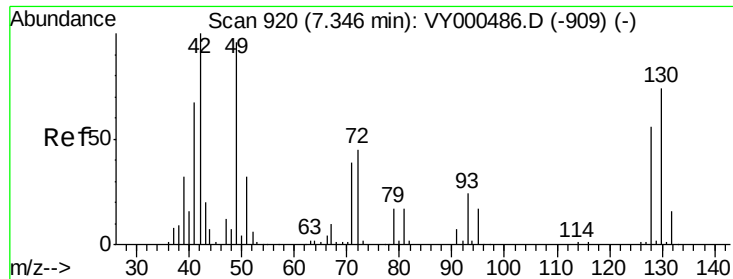
Tot Ion: 84 Resp: 11273
Ion Ratio Lower Upper
84 100
49 121.4 100.2 150.4
51 43.5 29.6 44.4
86 78.8 48.3 72.5#



#25
2-Butanone
Concen: 1.861 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000544.D
Acq: 06 Nov 2019 12:34

Tgt Ion: 43 Resp: 1890
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#





#28

Bromochloromethane

Concen: 4.131 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

WASTE

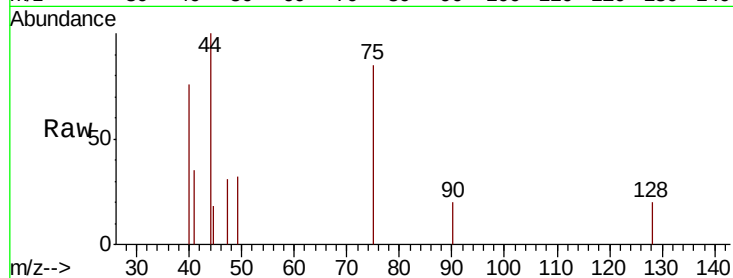
Tot Ion: 49 Resp: 82

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

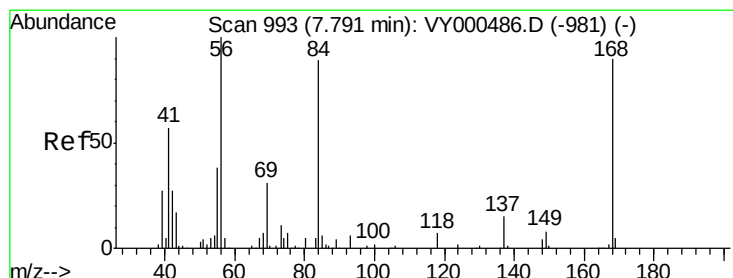
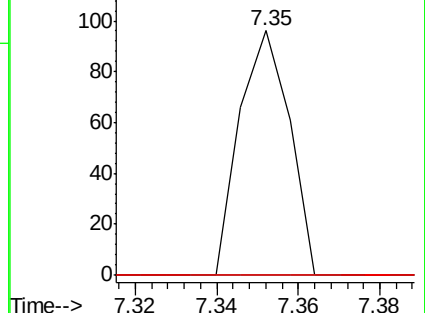
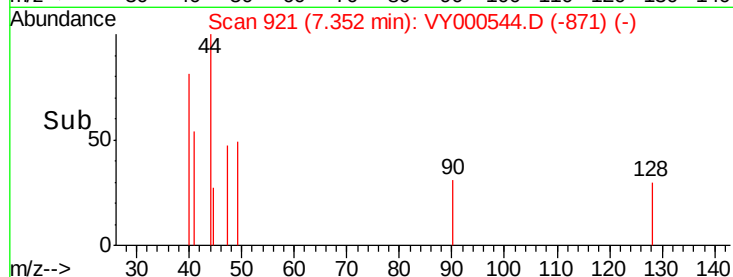
130 0.0 59.4 89.0#



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



#31

Cyclohexane

Concen: 1.096 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

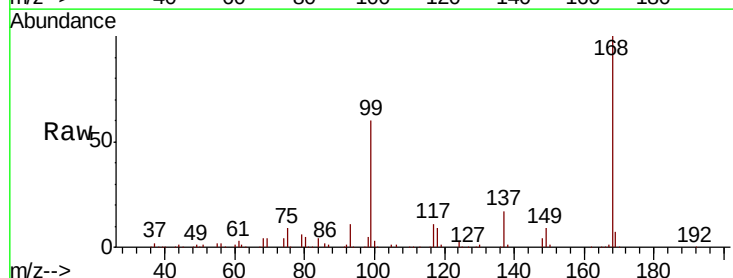
Tgt Ion: 56 Resp: 4897

Ion Ratio Lower Upper

56 100

69 154.5 25.0 37.6#

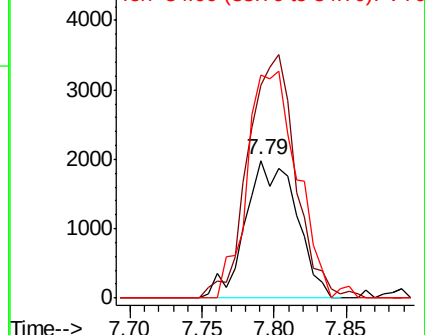
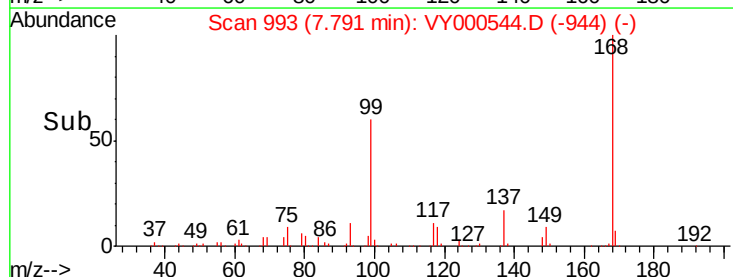
84 162.6 71.4 107.2#

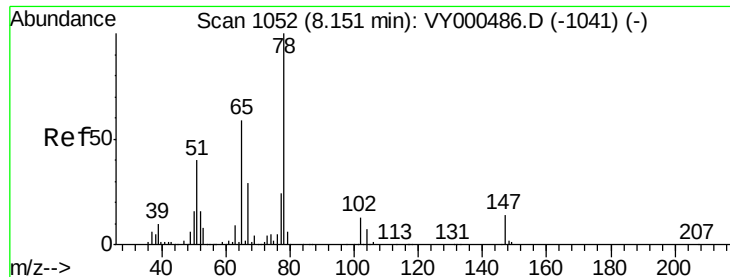


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

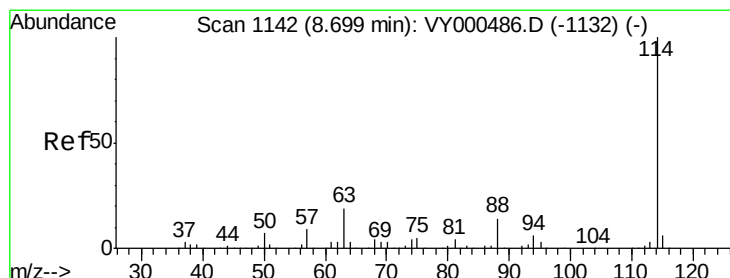
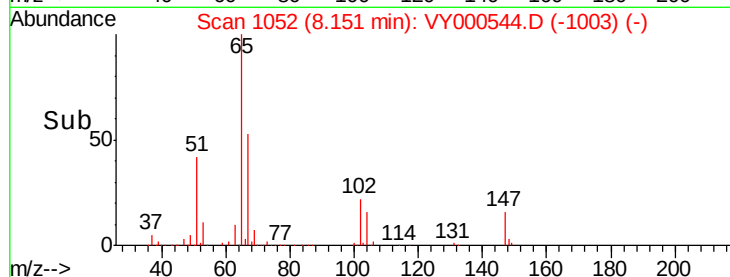
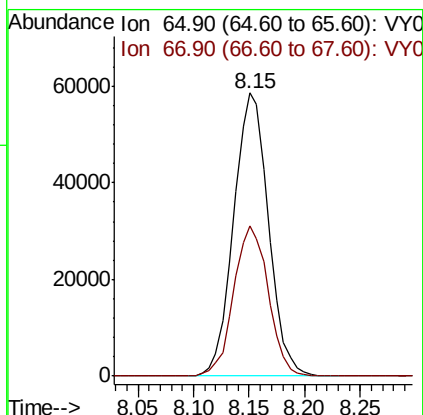
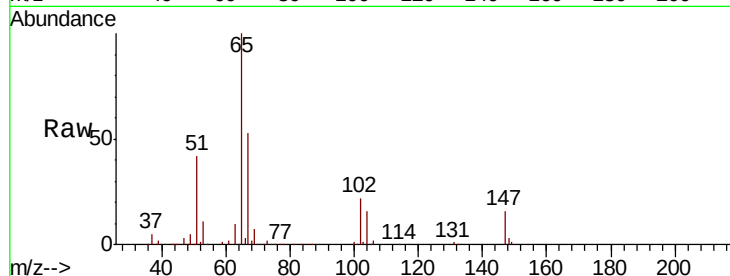




#33
 1,2-Dichloroethane-d4
 Concen: 54.950 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000544.D
 Acq: 06 Nov 2019 12:34

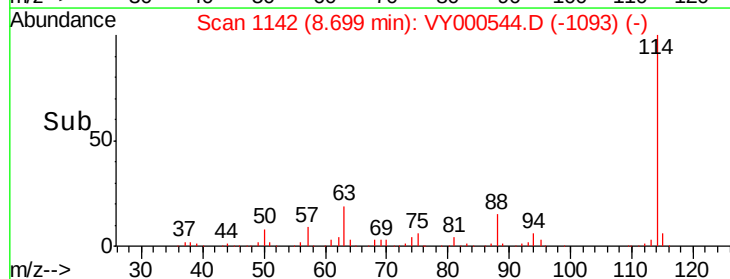
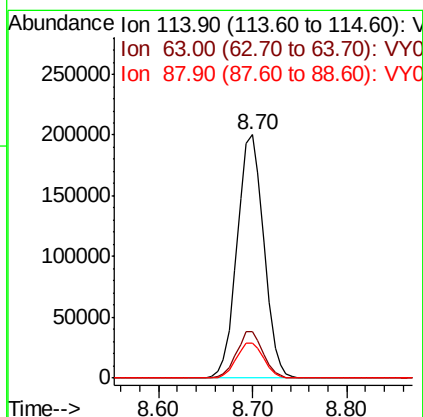
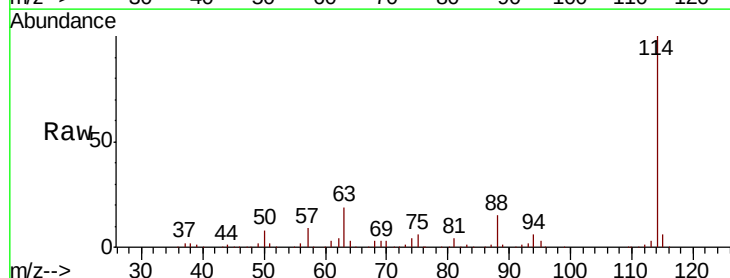
Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE

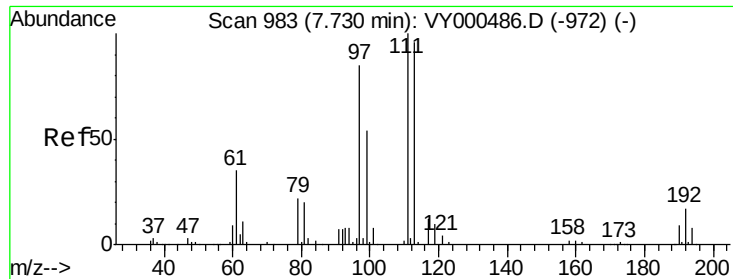
Tot Ion: 65 Resp: 126865
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000544.D
 Acq: 06 Nov 2019 12:34

Tgt Ion: 114 Resp: 394187
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 14.6 0.0 28.6





#35

Dibromofluoromethane

Concen: 49.492 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

WASTE

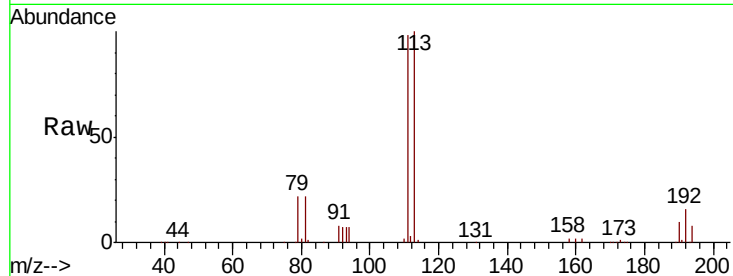
Tot Ion:113 Resp: 114530

Ion Ratio Lower Upper

113 100

111 101.5 81.7 122.5

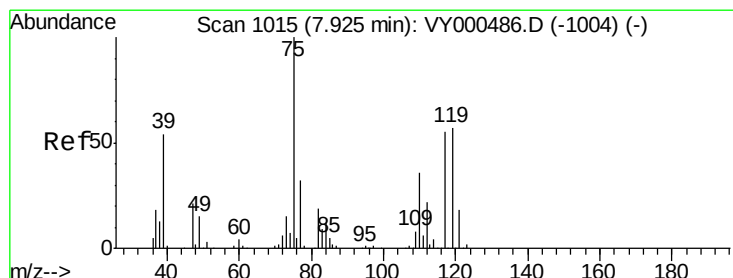
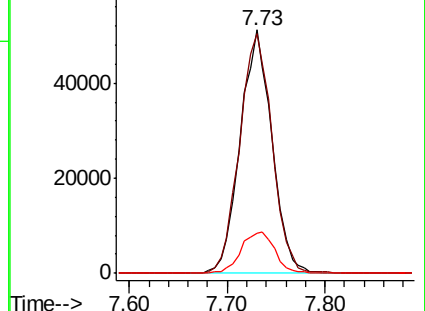
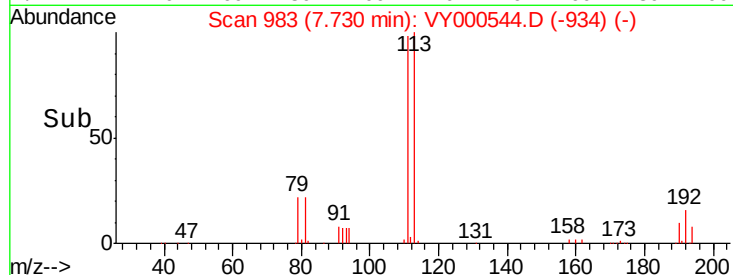
192 18.1 15.0 22.4



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: 5.030 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

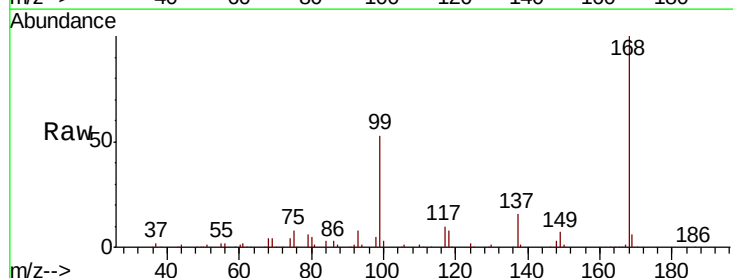
Tgt Ion: 75 Resp: 18743

Ion Ratio Lower Upper

75 100

110 7.3 18.1 54.1#

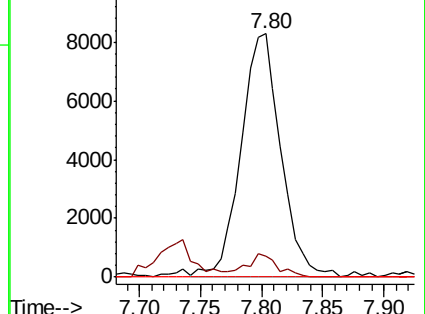
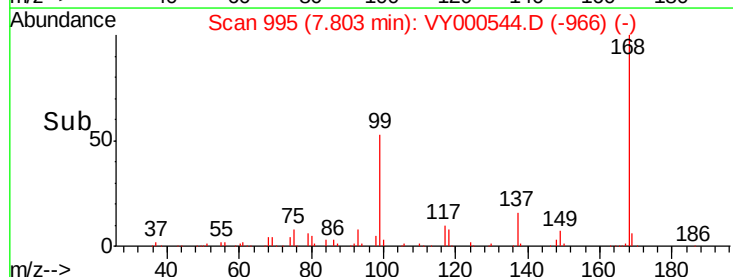
77 0.0 25.0 37.6#

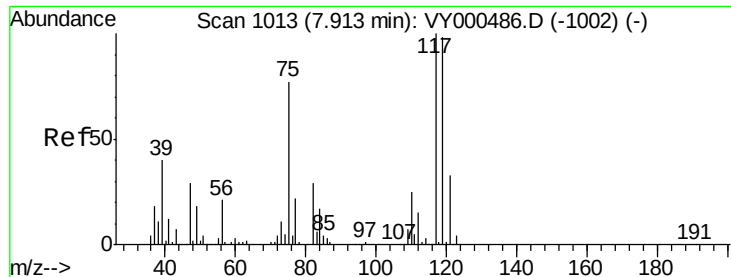


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.099 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

WASTE

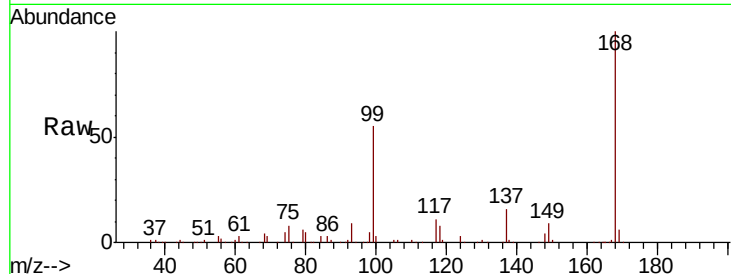
Tot Ion:117 Resp: 21869

Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

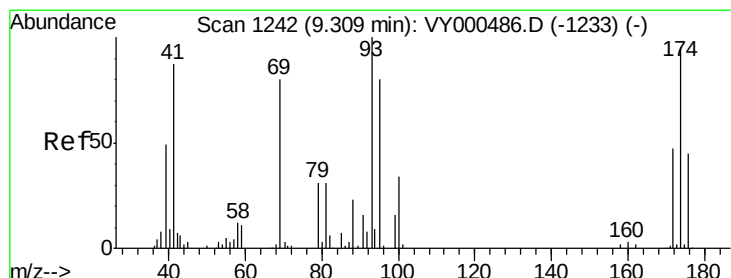
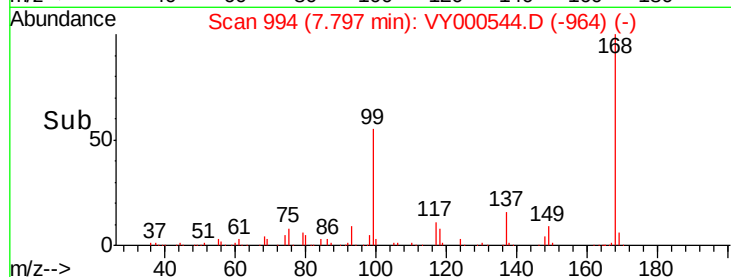
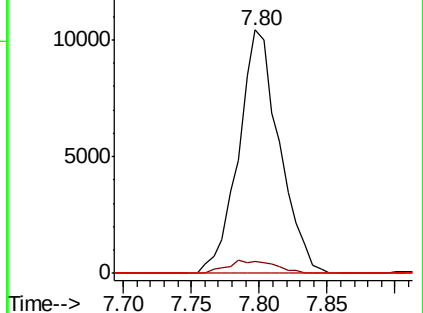
121 0.0 26.6 40.0#



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: 1.407 ug/l

RT: 9.49 min Scan# 1272

Delta R.T. 0.18 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

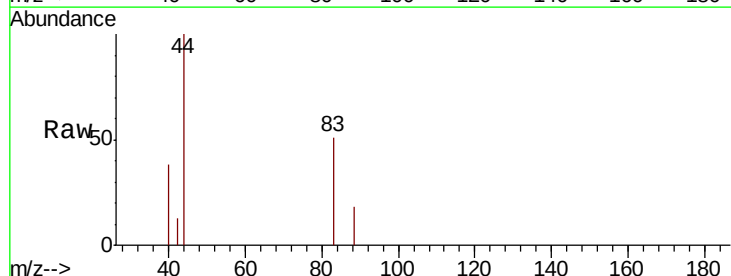
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 96.4 25.1 37.7#

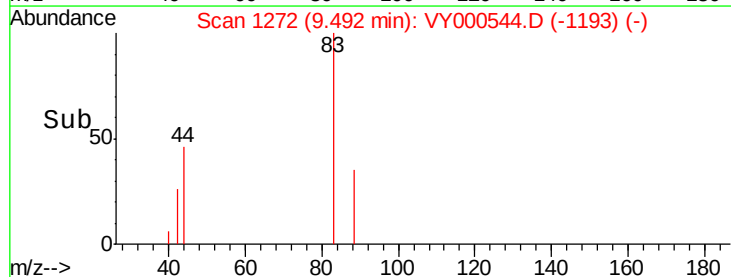
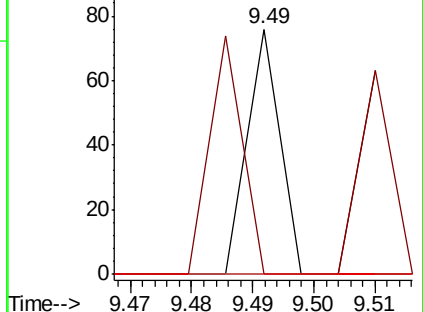
58 0.0 50.6 75.8#

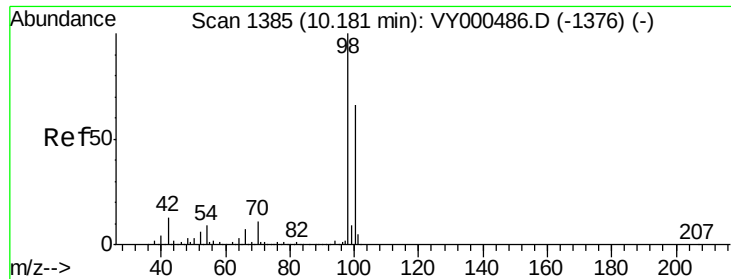


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 50.688 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

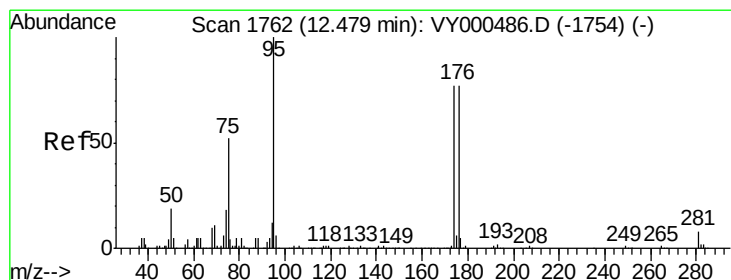
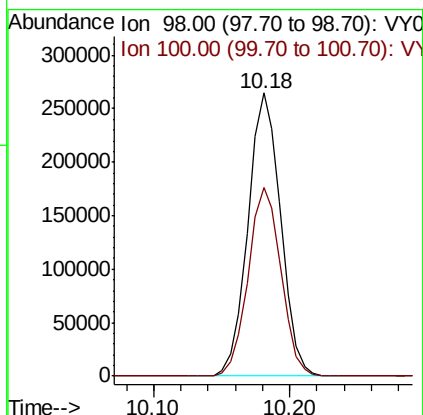
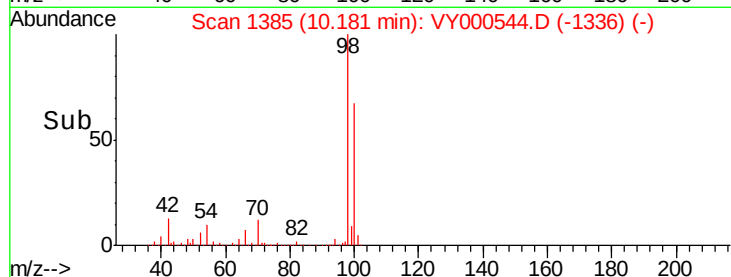
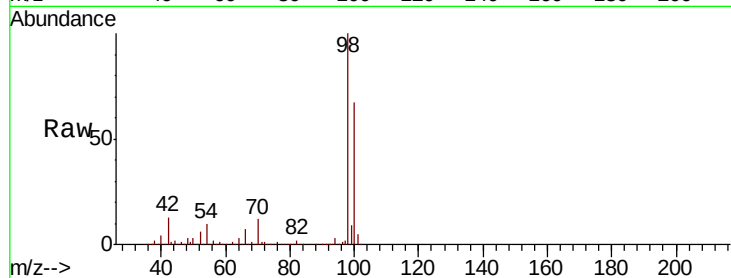
WASTE

Tot Ion: 98 Resp: 445082

Ion Ratio Lower Upper

98 100

100 67.1 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 43.749 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

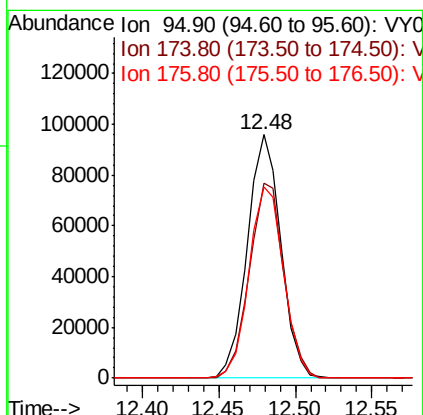
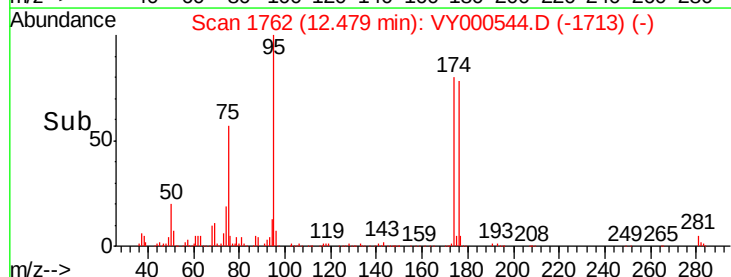
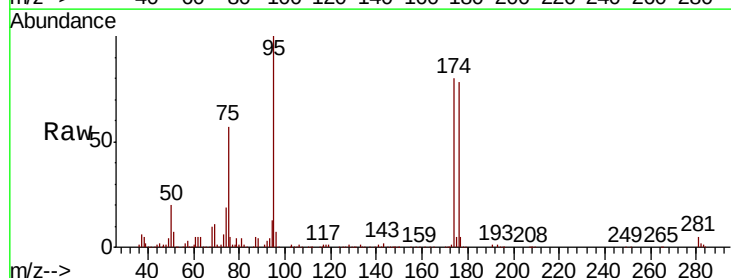
Tgt Ion: 95 Resp: 146245

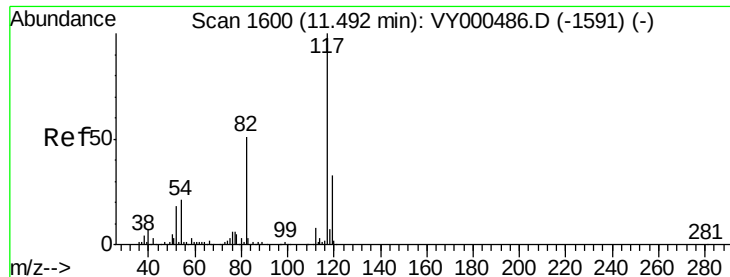
Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.6

176 81.1 0.0 157.8

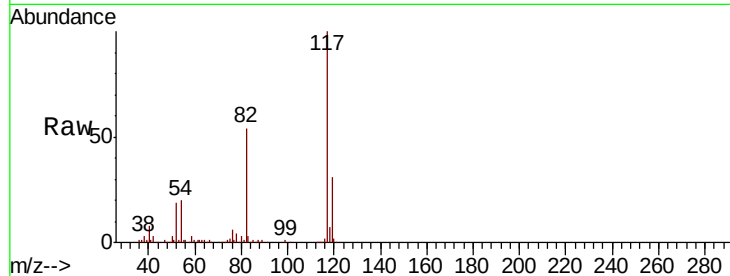




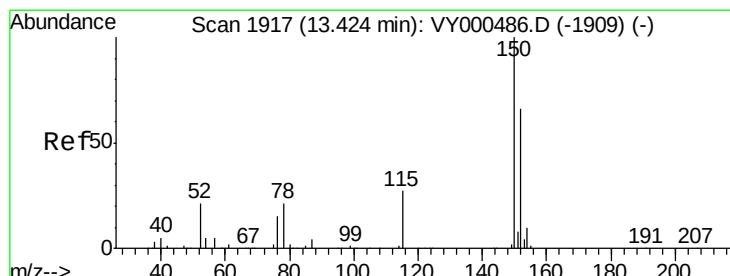
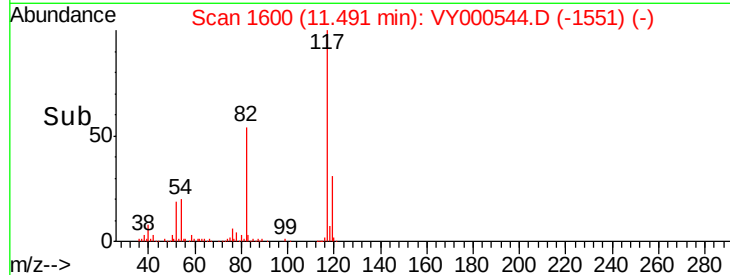
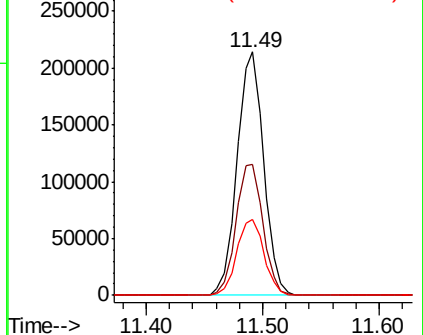
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000544.D
Acq: 06 Nov 2019 12:34

Instrument :
MSVOA_Y
ClientSampled :
WASTE

Tot Ion:117 Resp: 342087
Ion Ratio Lower Upper
117 100
82 53.7 40.8 61.2
119 30.9 26.2 39.2

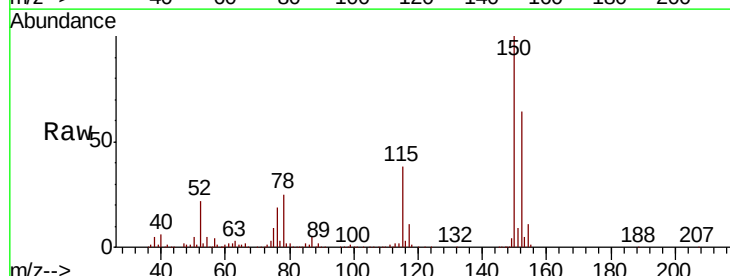


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

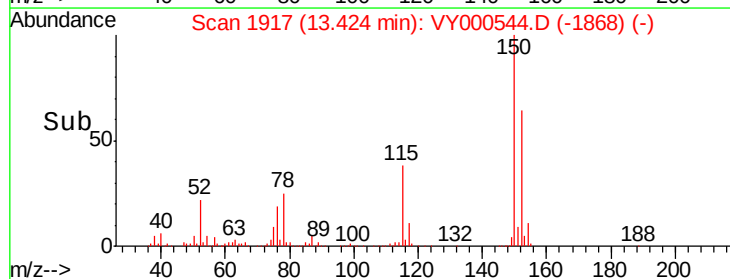
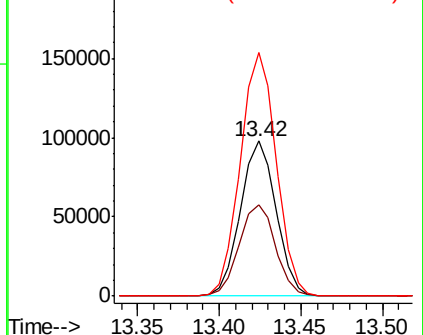


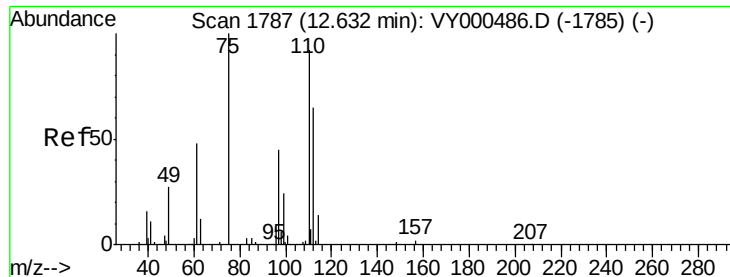
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000544.D
Acq: 06 Nov 2019 12:34

Tgt Ion:152 Resp: 149302
Ion Ratio Lower Upper
152 100
115 60.1 29.1 87.4
150 158.7 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: 47.700 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

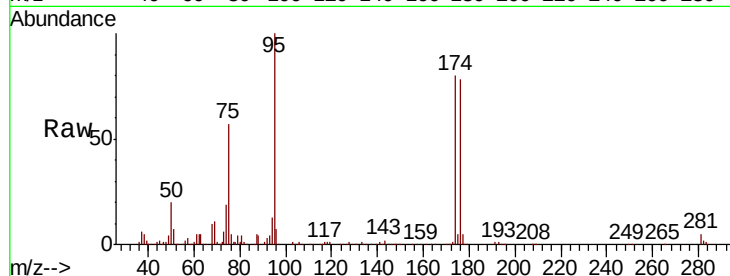
WASTE

Tot Ion: 75 Resp: 81090

Ion Ratio Lower Upper

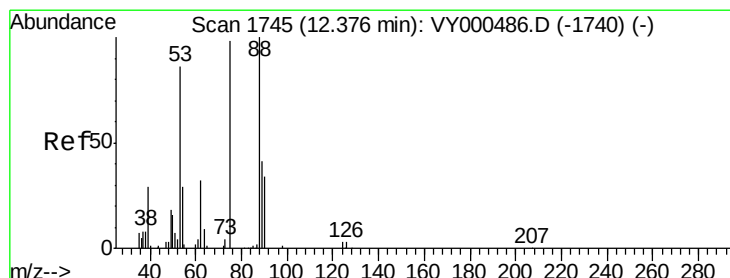
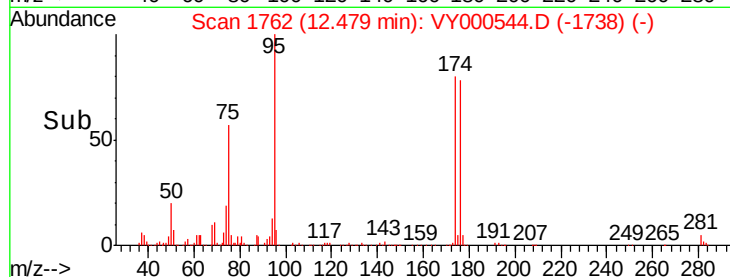
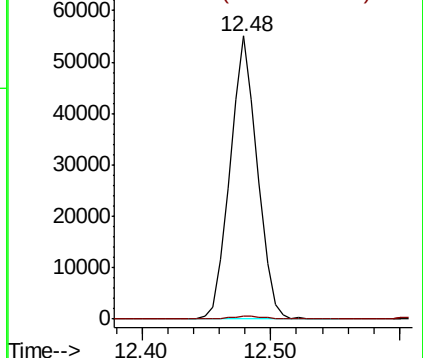
75 100

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: 106.949 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000544.D

Acq: 06 Nov 2019 12:34

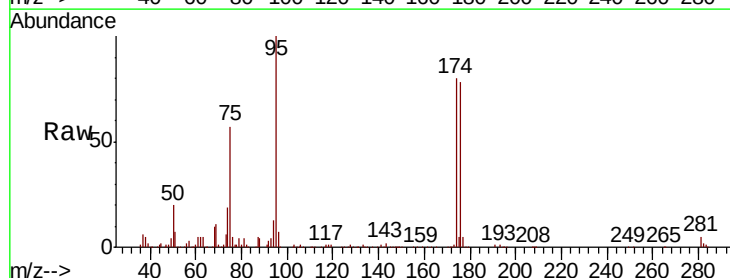
Tgt Ion: 75 Resp: 81090

Ion Ratio Lower Upper

75 100

53 0.0 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

