

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120619\
 Data File : VY000895.D
 Acq On : 06 Dec 2019 12:37
 Operator : SY/MD
 Sample : VY1206SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1206SBL01

Quant Time: Dec 06 17:22:11 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	279290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	525465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	462767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	205398	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	165618	55.81	ug/l	0.00
Spiked Amount			Recovery	=	111.62%	
35) Dibromofluoromethane	7.72	113	151333	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	10.17	98	615882	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.47	95	205445	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	

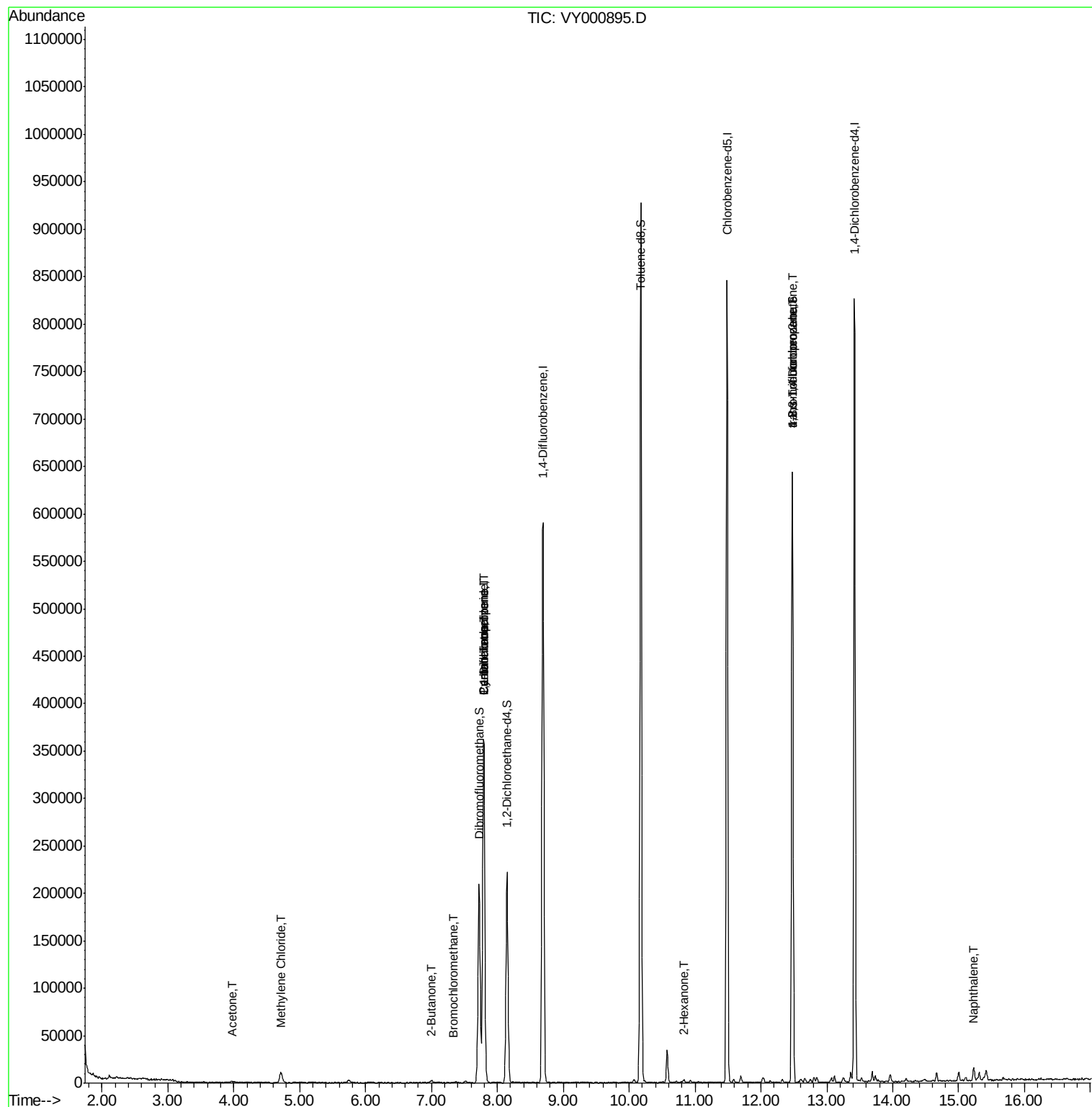
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	260	Below Cal	#	3
16) Acetone	3.97	43	3117	4.579	ug/l #	85
20) Methylene Chloride	4.71	84	7393	2.060	ug/l	91
25) 2-Butanone	7.01	43	1541	1.225	ug/l #	72
28) Bromochloromethane	7.34	49	187	2.098	ug/l #	51
31) Cyclohexane	7.80	56	6837	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22052	4.221	ug/l #	48
38) Carbon Tetrachloride	7.80	117	26781	5.756	ug/l #	15
59) 2-Hexanone	10.83	43	2388	1.116	ug/l	87
76) 1,2,3-Trichloropropane	12.47	75	101662	43.685	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	101662	85.811	ug/l #	17
95) Naphthalene	15.23	128	10640	1.083	ug/l	97

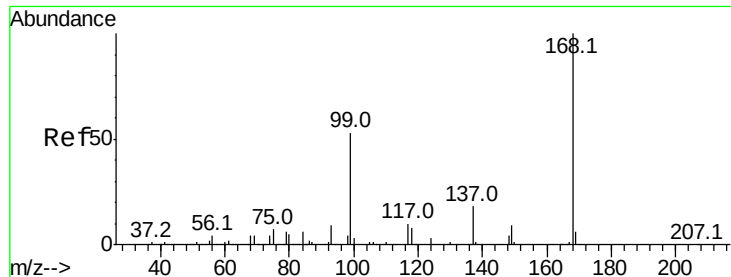
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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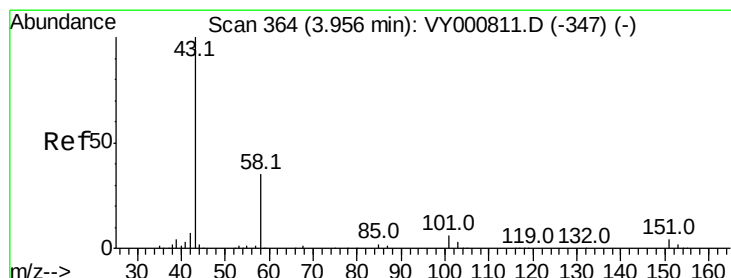
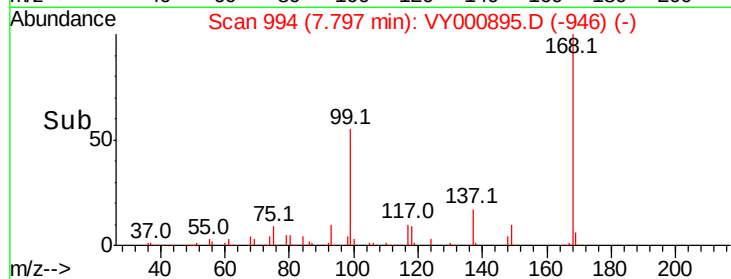
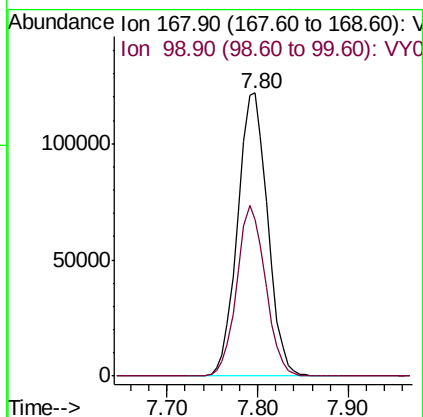
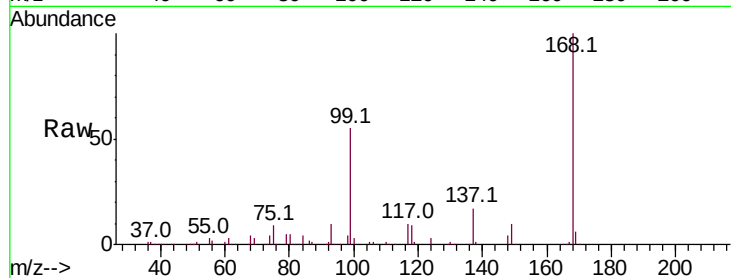


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VY000895.D
 Acq: 06 Dec 2019 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1206SBL01

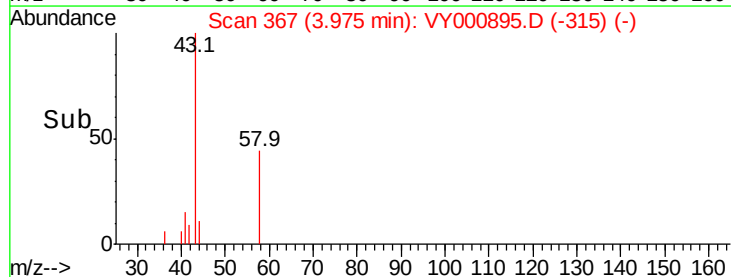
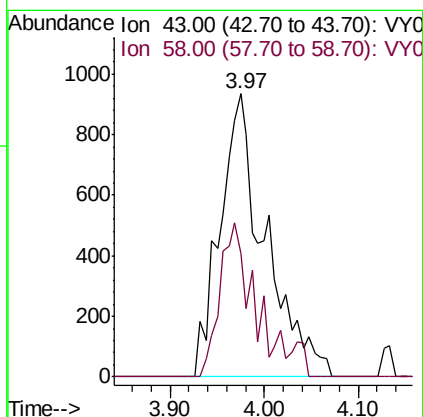
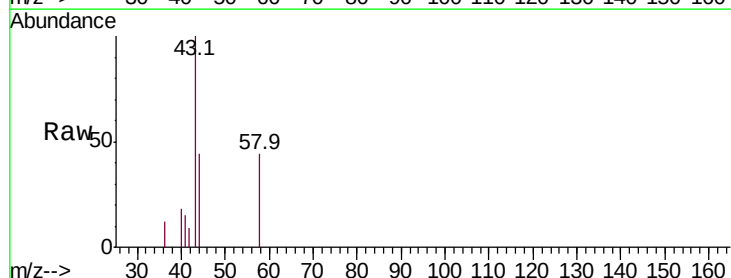
Tot Ion	Ratio	Lower	Upper
168	100		
99	55.4	45.0	67.6

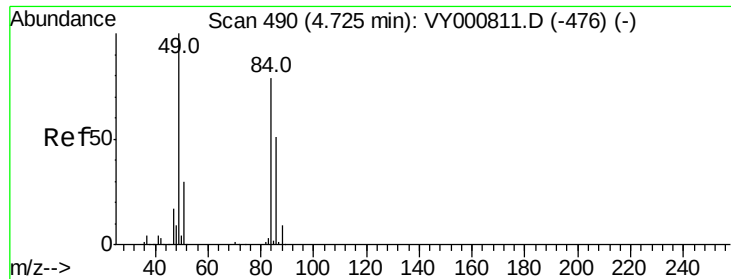


#16

Acetone
 Concen: 4.579 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VY000895.D
 Acq: 06 Dec 2019 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.6	28.0	42.0

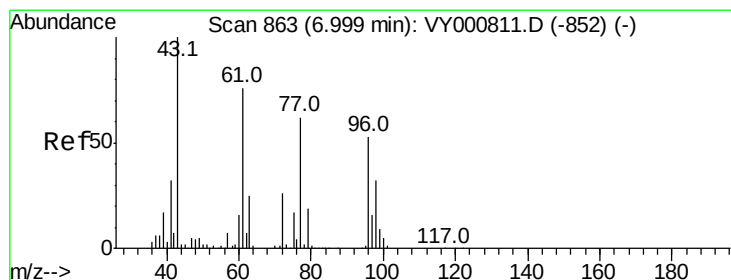
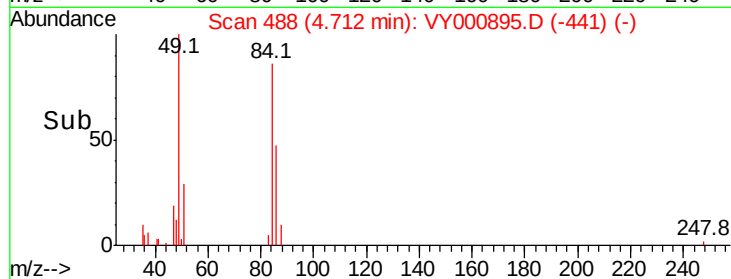
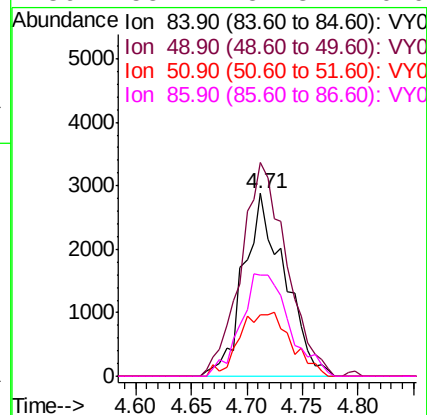
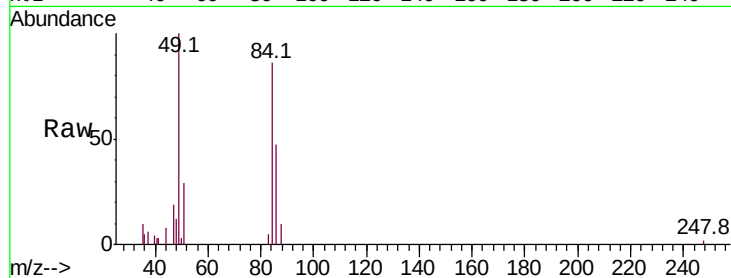




#20
Methylene Chloride
Concen: 2.060 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000895.D
Acq: 06 Dec 2019 12:37

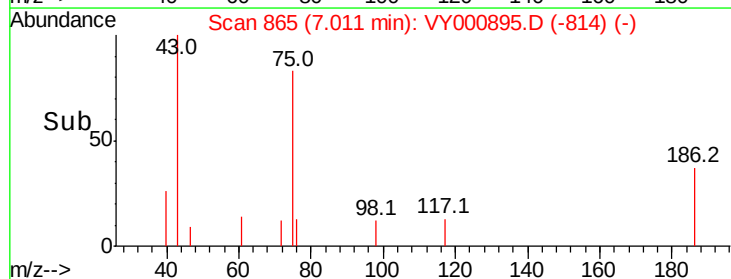
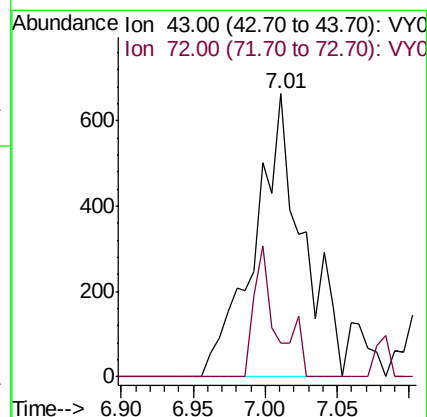
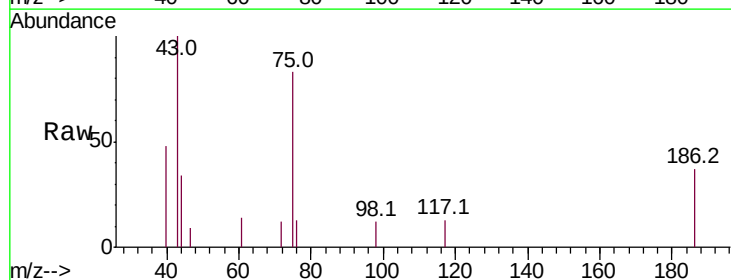
Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

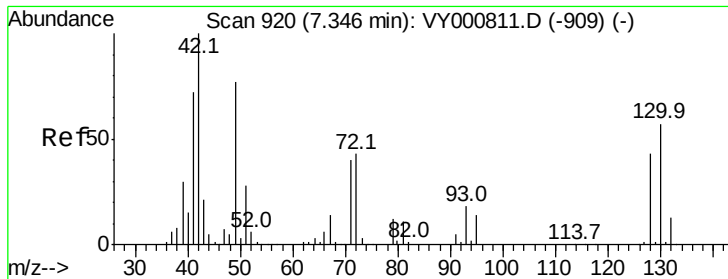
Tot Ion: 84 Resp: 7393
Ion Ratio Lower Upper
84 100
49 116.7 101.3 151.9
51 33.8 30.6 45.8
86 55.2 51.3 76.9



#25
2-Butanone
Concen: 1.225 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000895.D
Acq: 06 Dec 2019 12:37

Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
72 11.8 21.0 31.4#





#28

Bromochloromethane

Concen: 2.098 ug/l

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY000895.D

Acq: 06 Dec 2019 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VY1206SBL01

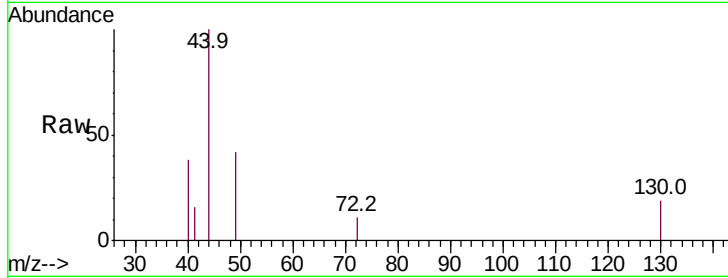
Tot Ion: 49 Resp: 187

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

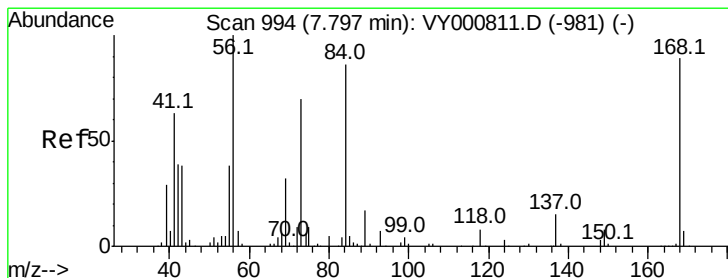
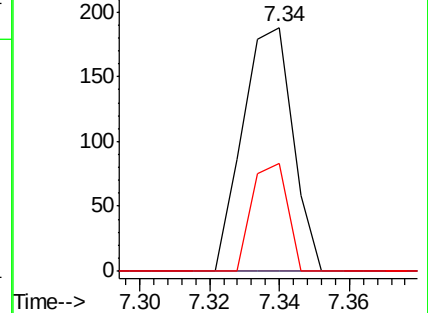
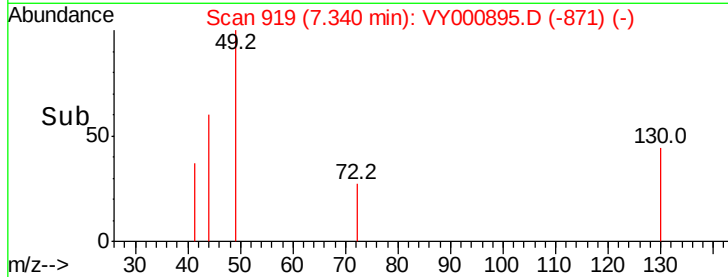
130 31.0 58.7 88.1#



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



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000895.D

Acq: 06 Dec 2019 12:37

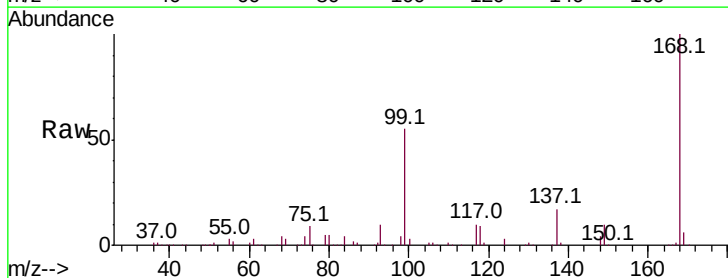
Tgt Ion: 56 Resp: 6837

Ion Ratio Lower Upper

56 100

69 155.8 25.9 38.9#

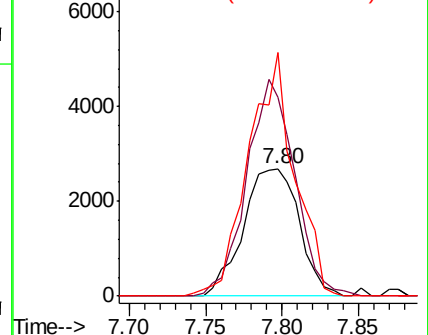
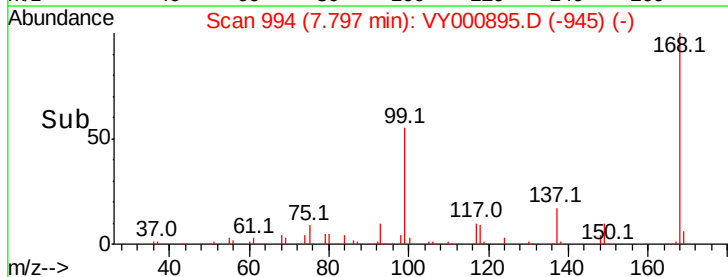
84 190.6 68.6 102.8#

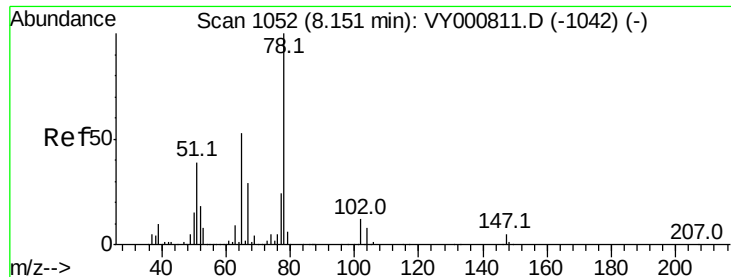


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

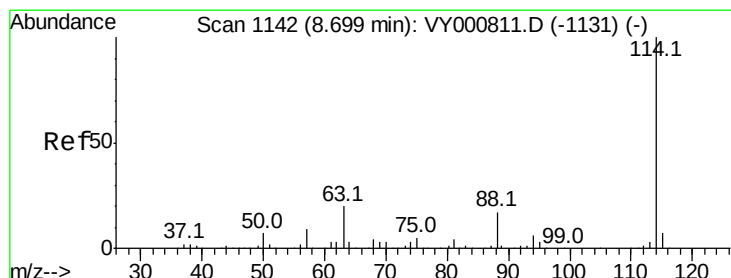
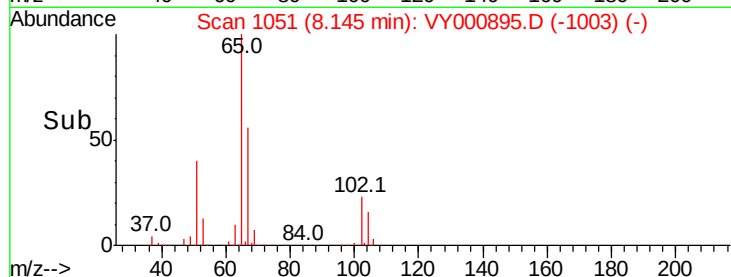
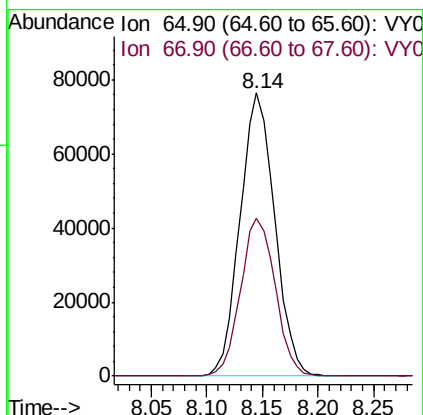
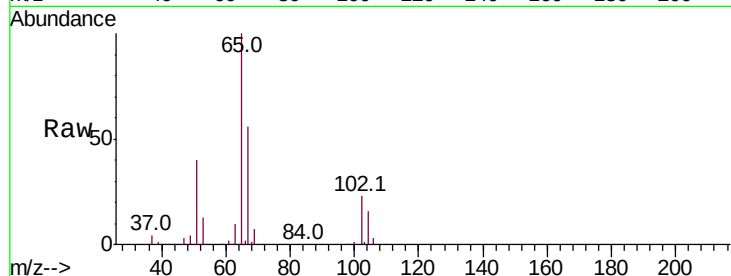




#33
 1,2-Dichloroethane-d4
 Concen: 55.807 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY000895.D
 Acq: 06 Dec 2019 12:37

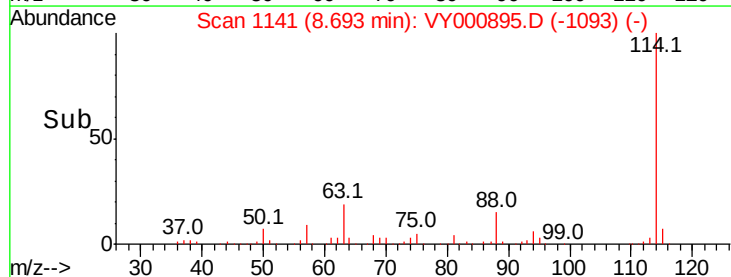
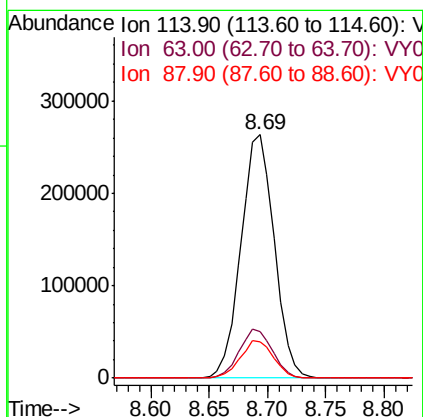
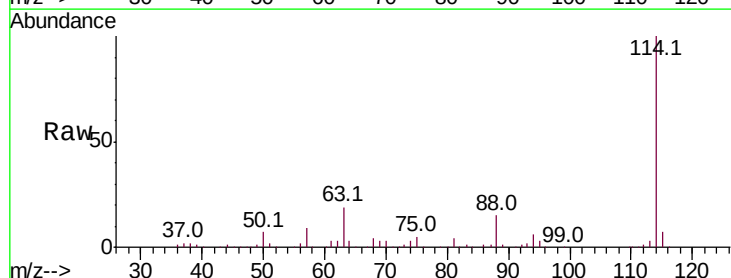
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1206SBL01

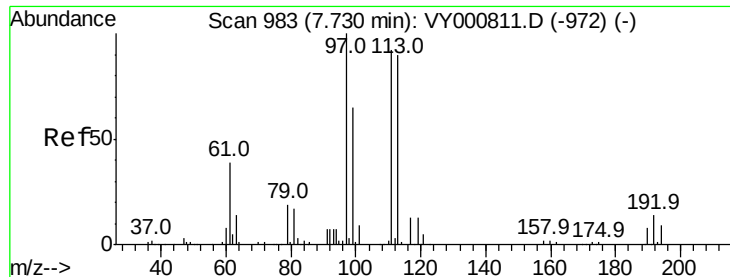
Tot Ion: 65 Resp: 165618
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000895.D
 Acq: 06 Dec 2019 12:37

Tgt Ion: 114 Resp: 525465
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.8
 88 15.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.416 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000895.D

Acq: 06 Dec 2019 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VY1206SBL01

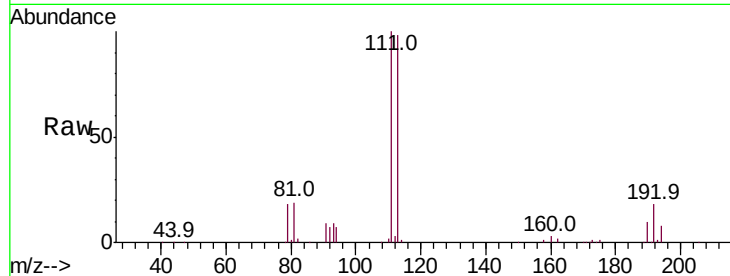
Tot Ion:113 Resp: 151333

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

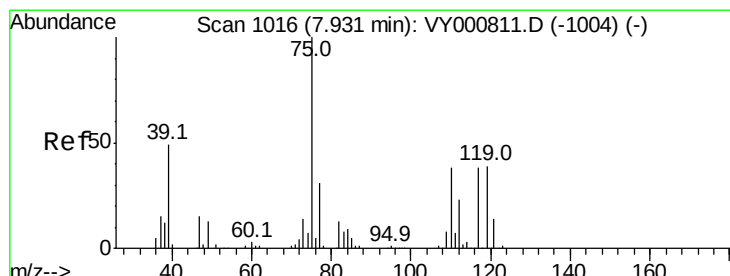
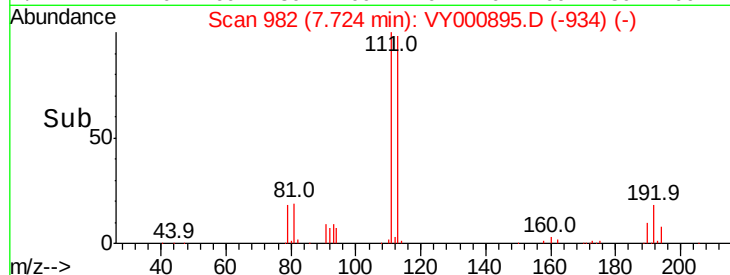
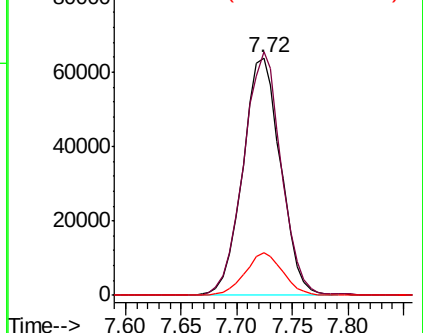
192 18.0 14.2 21.2



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: 4.221 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000895.D

Acq: 06 Dec 2019 12:37

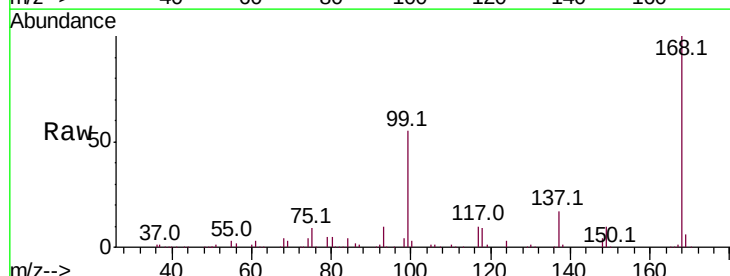
Tgt Ion: 75 Resp: 22052

Ion Ratio Lower Upper

75 100

110 8.0 17.9 53.7#

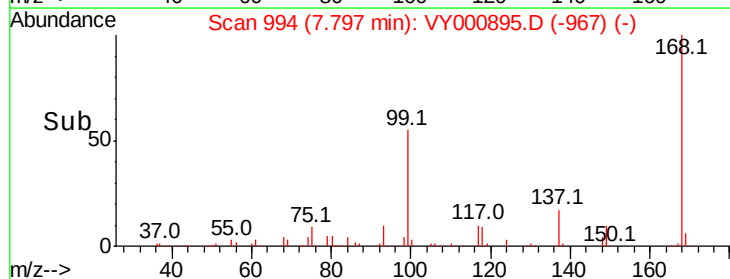
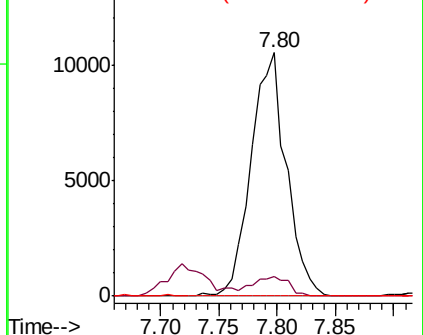
77 0.0 24.7 37.1#

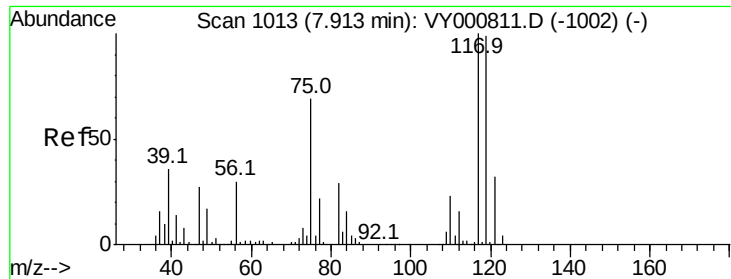


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

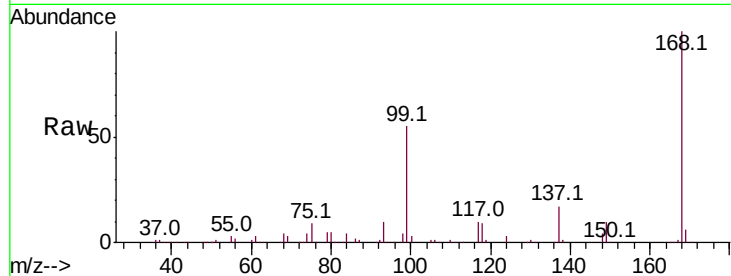




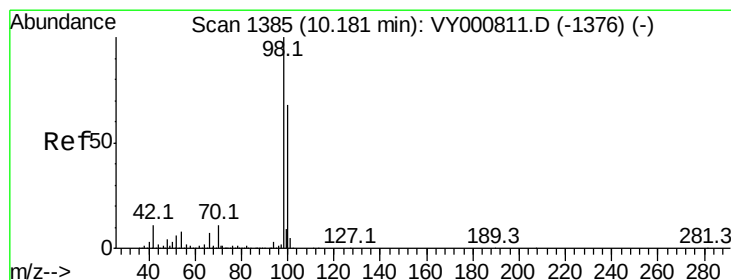
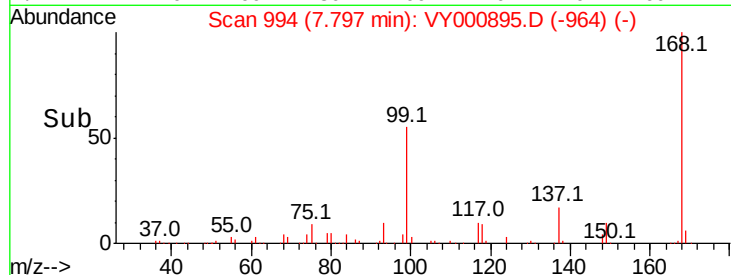
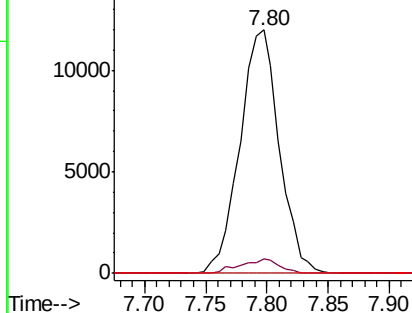
#38
Carbon Tetrachloride
Concen: 5.756 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000895.D
Acq: 06 Dec 2019 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

Tot Ion:117 Resp: 26781
Ion Ratio Lower Upper
117 100
119 6.0 79.3 118.9#
121 0.0 25.5 38.3#

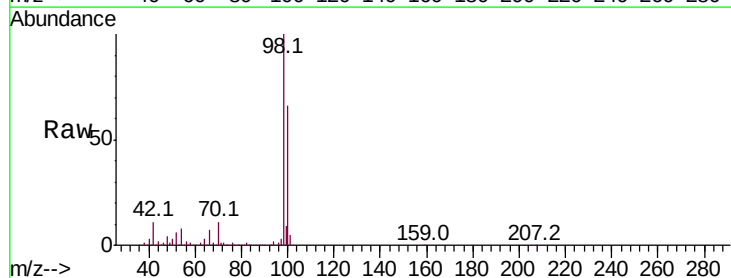


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

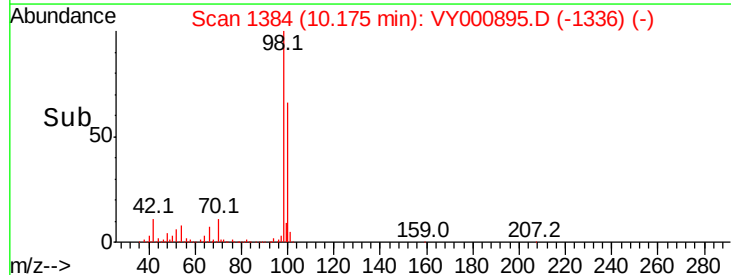
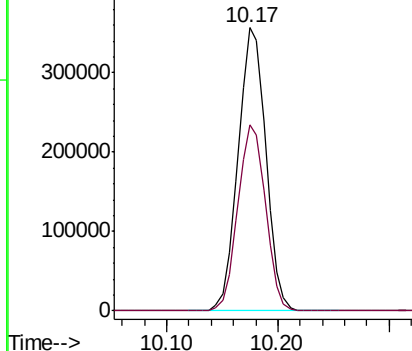


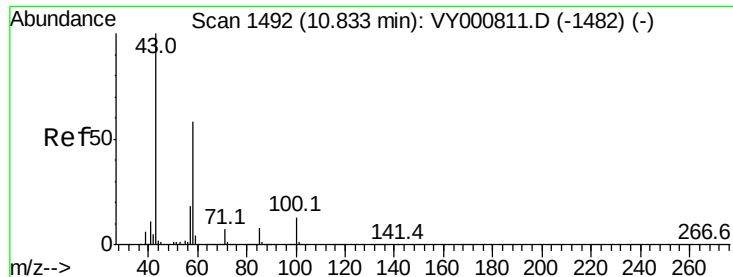
#50
Toluene-d8
Concen: 50.303 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY000895.D
Acq: 06 Dec 2019 12:37

Tgt Ion: 98 Resp: 615882
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

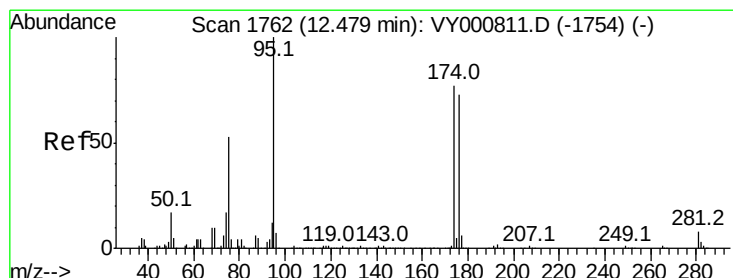
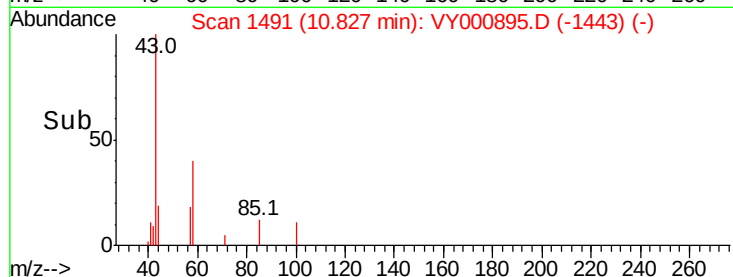
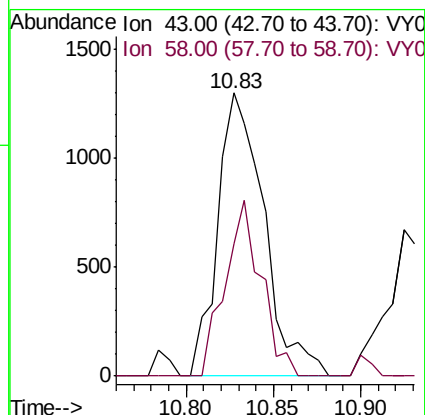
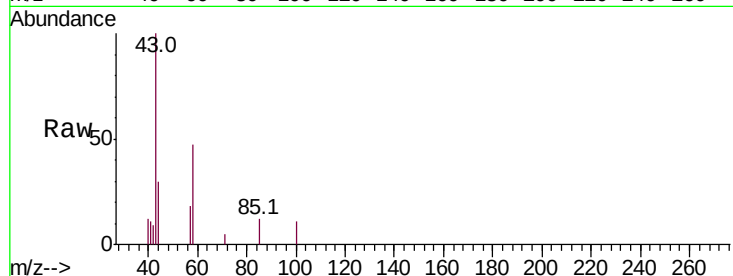




#59
2-Hexanone
Concen: 1.116 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY000895.D
Acq: 06 Dec 2019 12:37

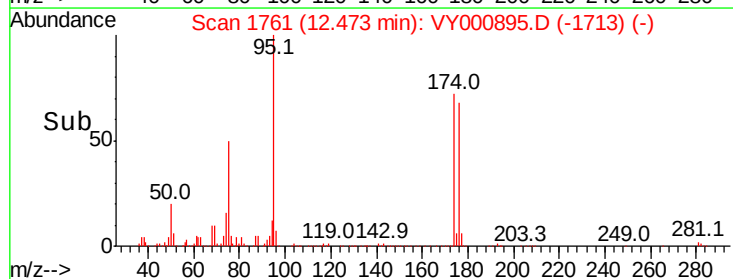
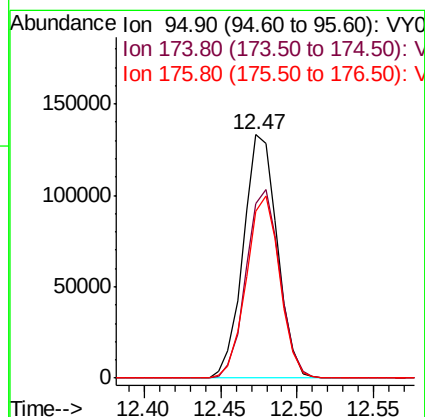
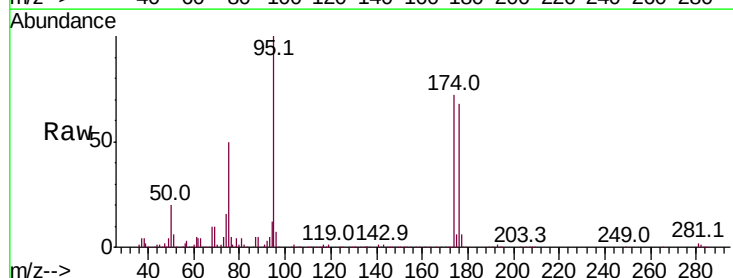
Instrument :
MSVOA_Y
ClientSampleId :
VY1206SBL01

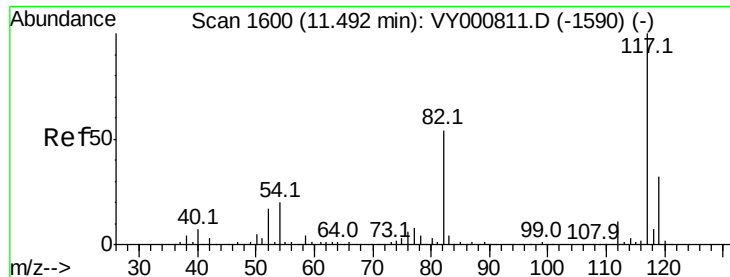
Tot Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
58 48.5 29.0 87.1



#62
4-Bromofluorobenzene
Concen: 44.681 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VY000895.D
Acq: 06 Dec 2019 12:37

Tgt Ion: 95 Resp: 205445
Ion Ratio Lower Upper
95 100
174 76.9 0.0 150.6
176 73.6 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: VY000895.D

Acq: 06 Dec 2019 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VY1206SBL01

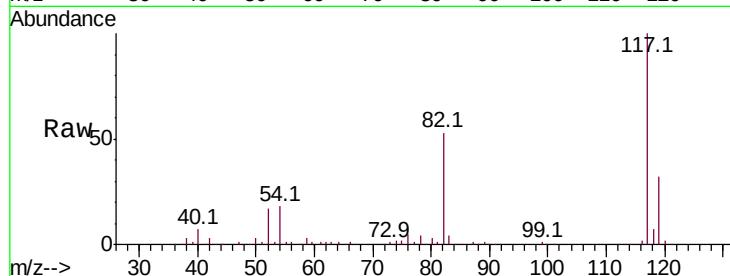
Tot Ion:117 Resp: 462767

Ion Ratio Lower Upper

117 100

82 52.9 43.1 64.7

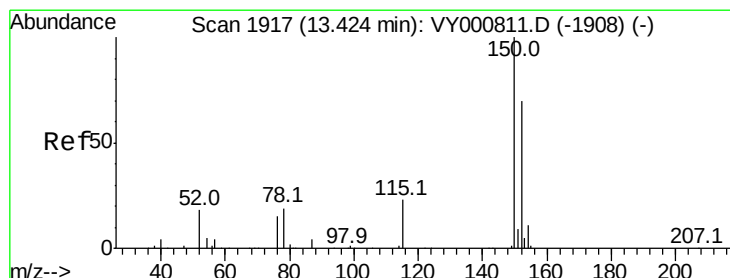
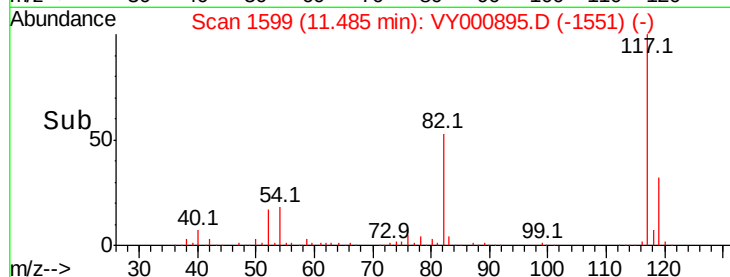
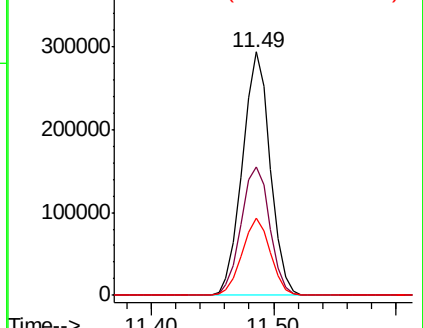
119 31.8 25.3 37.9



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: VY000895.D

Acq: 06 Dec 2019 12:37

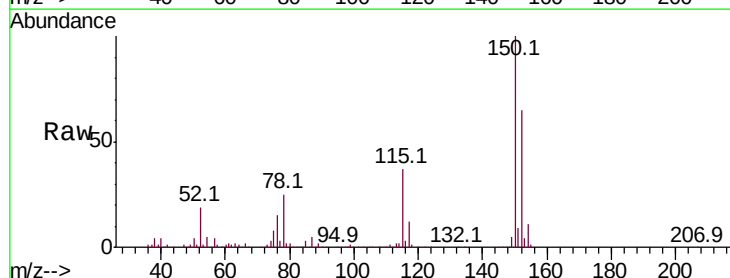
Tgt Ion:152 Resp: 205398

Ion Ratio Lower Upper

152 100

115 58.6 29.3 87.8

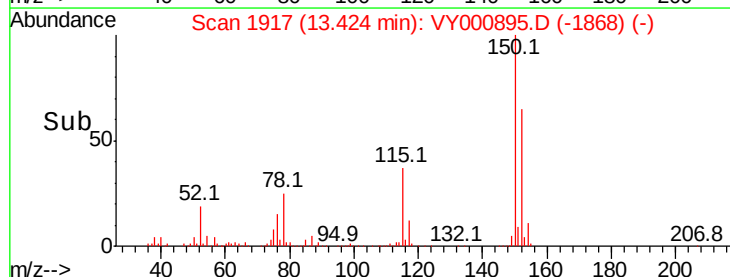
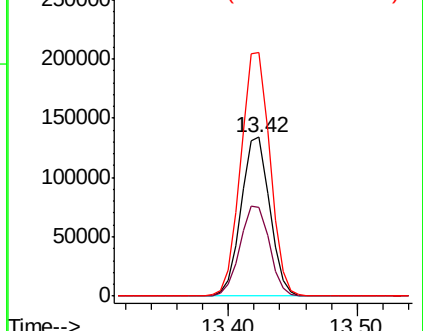
150 156.8 0.0 351.2

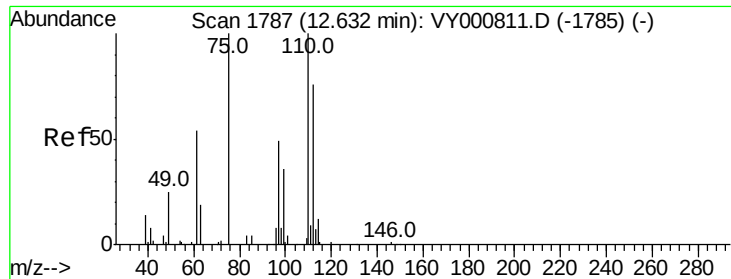


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 43.685 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.16 min

Lab File: VY000895.D

Acq: 06 Dec 2019 12:37

Instrument :

MSVOA_Y

ClientSampleId :

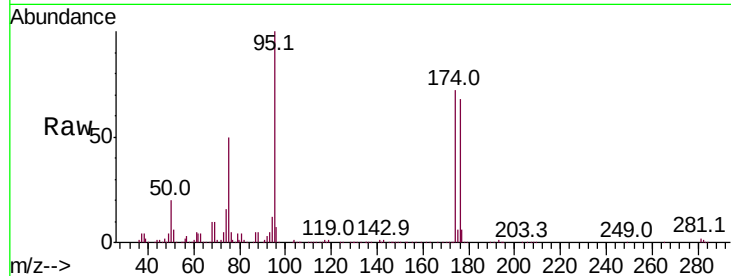
VY1206SBL01

Tot Ion: 75 Resp: 101662

Ion Ratio Lower Upper

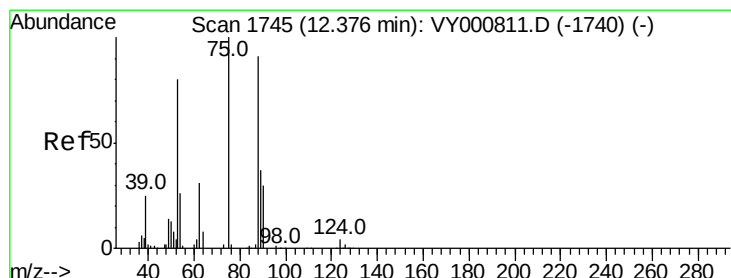
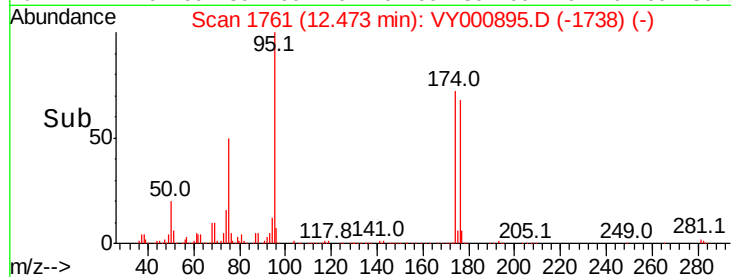
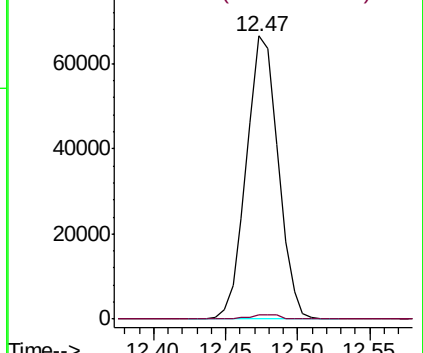
75 100

77 1.5 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: 85.811 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY000895.D

Acq: 06 Dec 2019 12:37

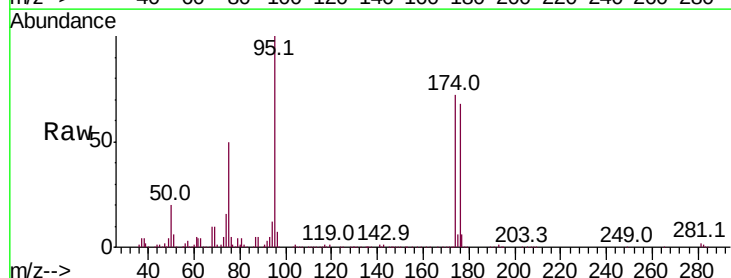
Tgt Ion: 75 Resp: 101662

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

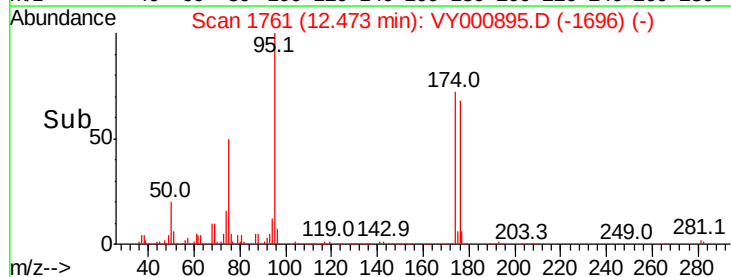
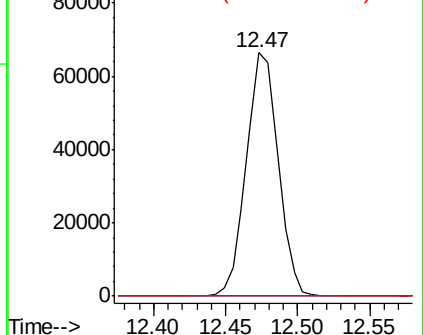
89 0.0 33.6 50.4#

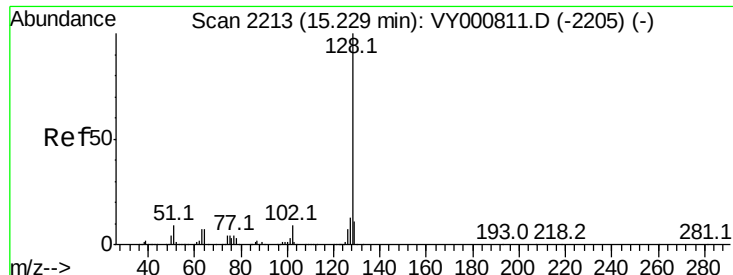


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.083 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY000895.D

Acq: 06 Dec 2019 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VY1206SBL01

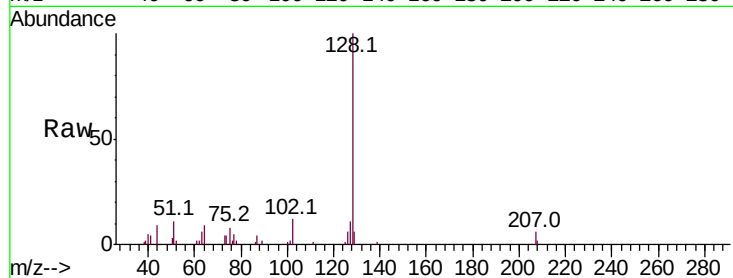
Tot Ion:128 Resp: 10640

Ion Ratio Lower Upper

128 100

127 13.9 10.1 15.1

129 9.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

