

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120619\
 Data File : VY000898.D
 Acq On : 06 Dec 2019 13:55
 Operator : SY/MD
 Sample : K6187-06
 Misc : 5.43G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 06 17:23:08 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	96344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	164376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	132699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	55922	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	48133	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
35) Dibromofluoromethane	7.73	113	45621	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
50) Toluene-d8	10.18	98	190956	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.47	95	57388	39.90	ug/l	0.00
Spiked Amount			Recovery	=	79.80%	

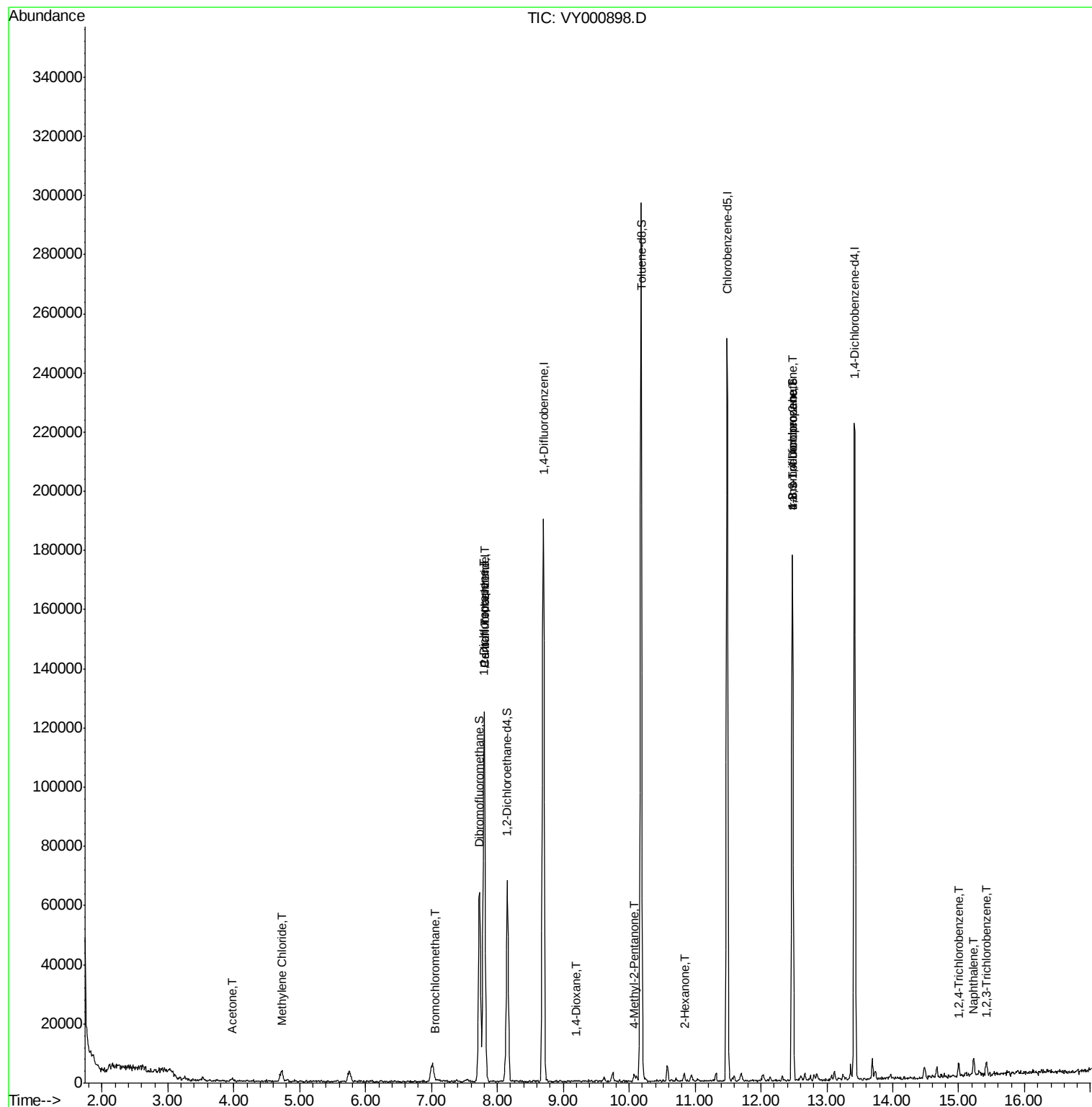
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	288	Below Cal	#	54
16) Acetone	3.96	43	706	3.006	ug/l #	80
20) Methylene Chloride	4.73	84	2756	2.226	ug/l #	61
28) Bromochloromethane	7.06	49	22	2.044	ug/l #	15
36) 1,1-Dichloropropene	7.79	75	7903	4.835	ug/l #	46
38) Carbon Tetrachloride	7.80	117	9778	6.718	ug/l #	13
49) 1,4-Dioxane	9.18	88	56	6.326	ug/l #	1
51) 4-Methyl-2-Pentanone	10.07	43	1700	1.850	ug/l	96
59) 2-Hexanone	10.84	43	1768	2.641	ug/l	83
76) 1,2,3-Trichloropropane	12.48	75	28824	45.493	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	28824	89.361	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.00	180	1490	1.293	ug/l	96
95) Naphthalene	15.23	128	4132	1.544	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	1253	1.217	ug/l #	84

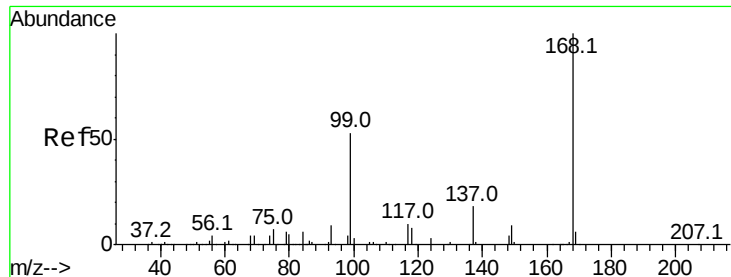
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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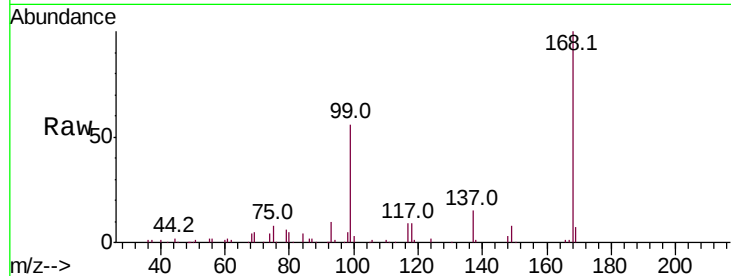


#1

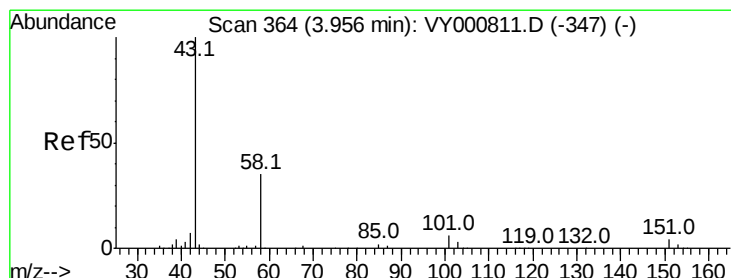
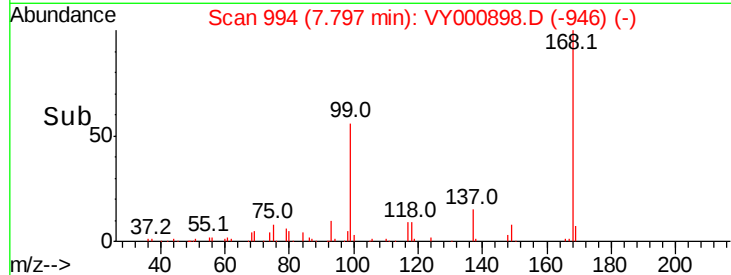
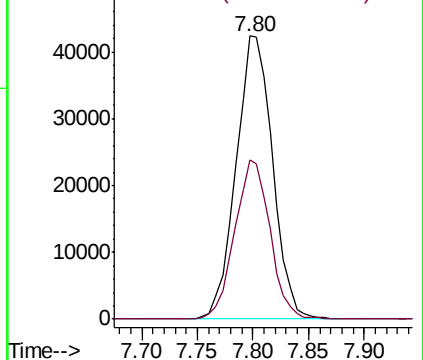
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VY000898.D
 Acq: 06 Dec 2019 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:168 Resp: 96344
 Ion Ratio Lower Upper
 168 100
 99 56.3 45.0 67.6



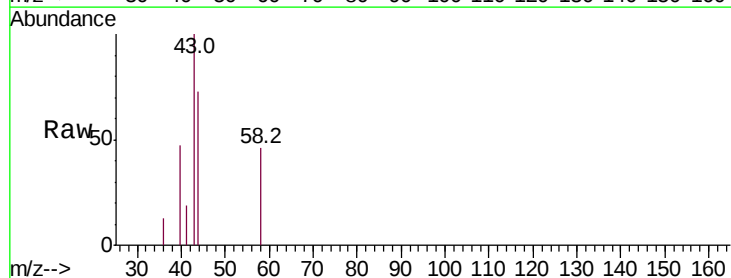
Abundance Ion 167.90 (167.60 to 168.60): VY000898.D (-946) (-)
 Ion 98.90 (98.60 to 99.60): VY000898.D (-946) (-)



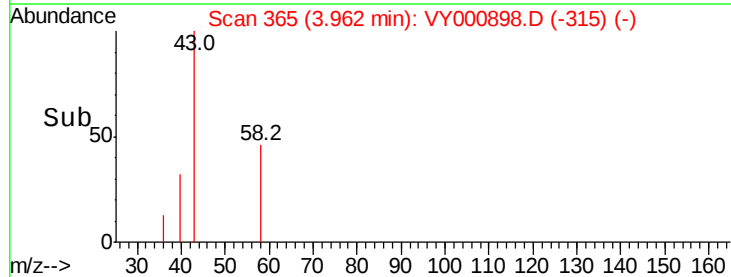
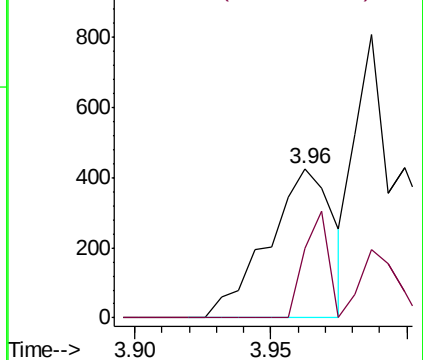
#16

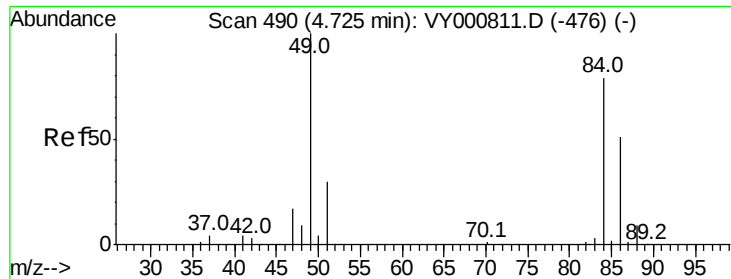
Acetone
 Concen: 3.006 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000898.D
 Acq: 06 Dec 2019 13:55

Tgt Ion: 43 Resp: 706
 Ion Ratio Lower Upper
 43 100
 58 46.5 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY000898.D (-315) (-)
 Ion 58.00 (57.70 to 58.70): VY000898.D (-315) (-)

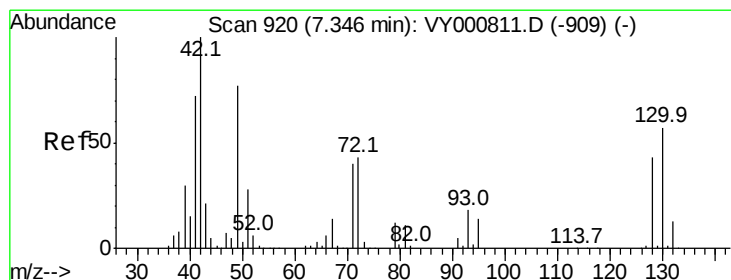
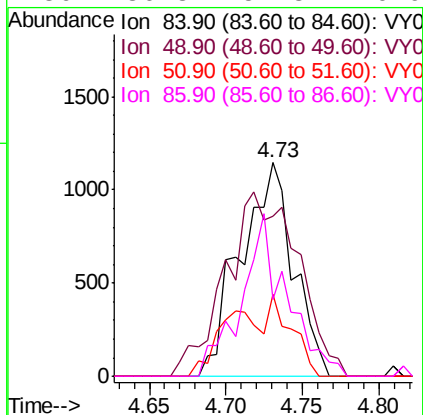
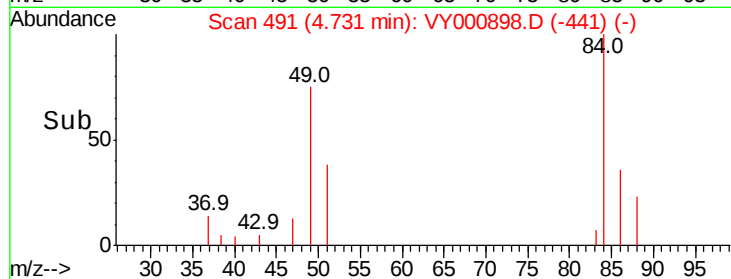
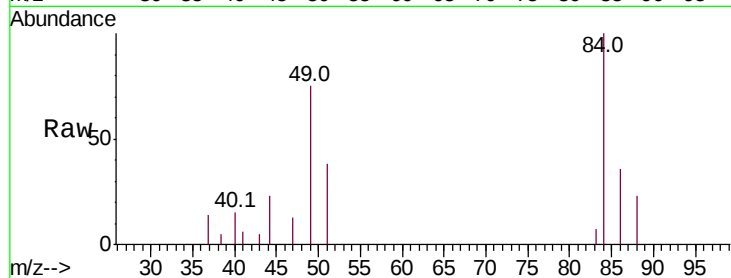




#20
Methvlene Chloride
Concen: 2.226 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000898.D
Acq: 06 Dec 2019 13:55

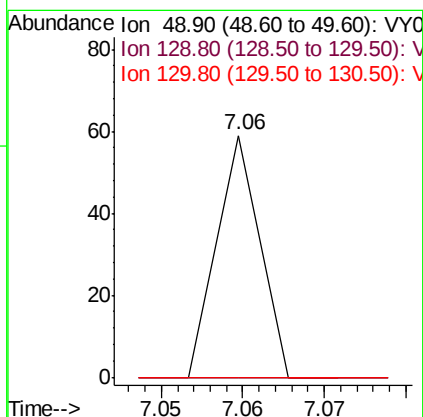
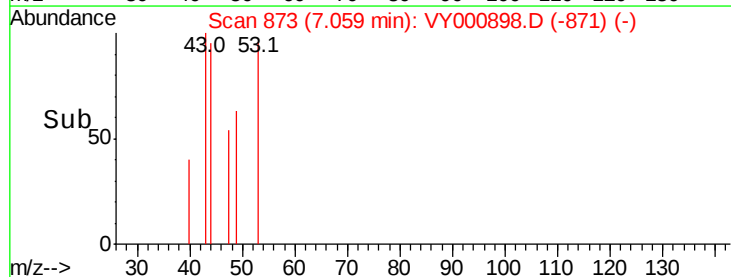
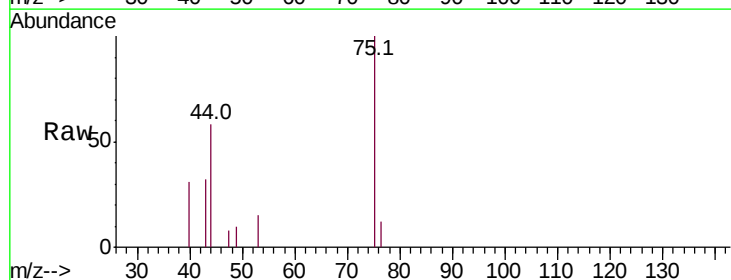
Instrument :
MSVOA_Y
ClientSampleId :

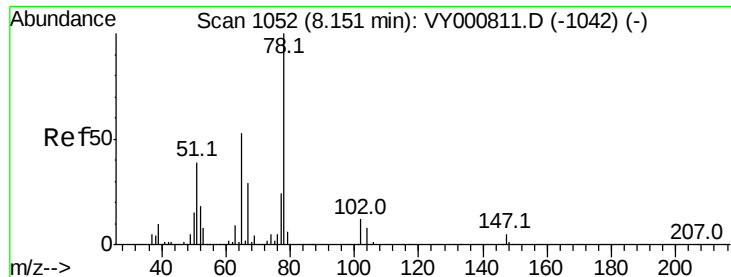
Tot Ion: 84 Resp: 2756
Ion Ratio Lower Upper
84 100
49 66.6 101.3 151.9#
51 38.1 30.6 45.8
86 36.3 51.3 76.9#



#28
Bromochloromethane
Concen: 2.044 ug/l
RT: 7.06 min Scan# 873
Delta R.T. -0.29 min
Lab File: VY000898.D
Acq: 06 Dec 2019 13:55

Tgt Ion: 49 Resp: 22
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#





#33

1,2-Dichloroethane-d4

Concen: 47.017 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000898.D

Acq: 06 Dec 2019 13:55

Instrument :

MSVOA_Y

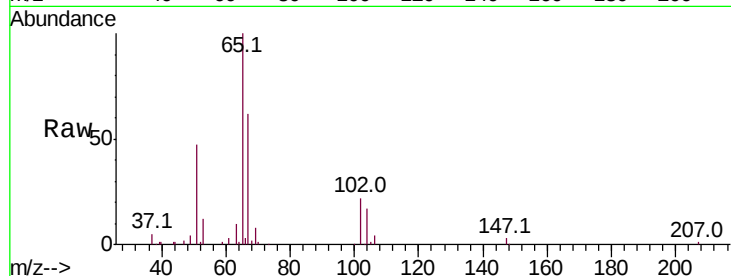
ClientSampleId :

Tot Ion: 65 Resp: 48133

Ion Ratio Lower Upper

65 100

67 54.0 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

25000

20000

15000

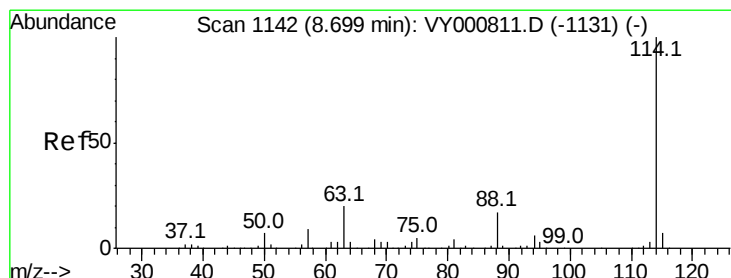
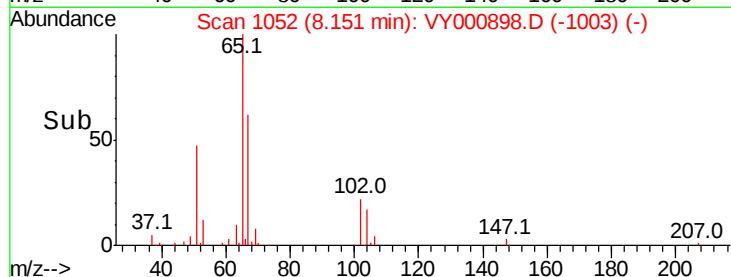
10000

5000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000898.D

Acq: 06 Dec 2019 13:55

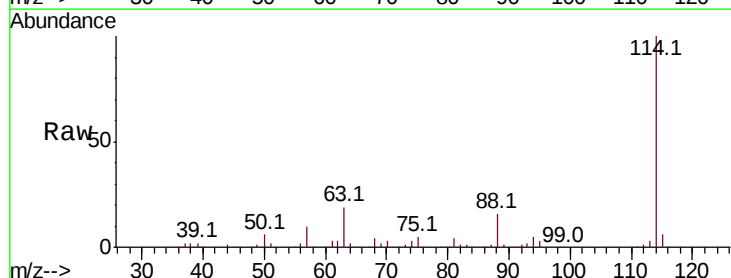
Tgt Ion: 114 Resp: 164376

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.8

88 16.0 0.0 33.2



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

100000

80000

60000

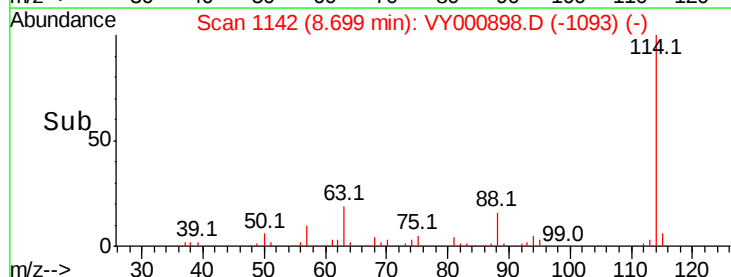
40000

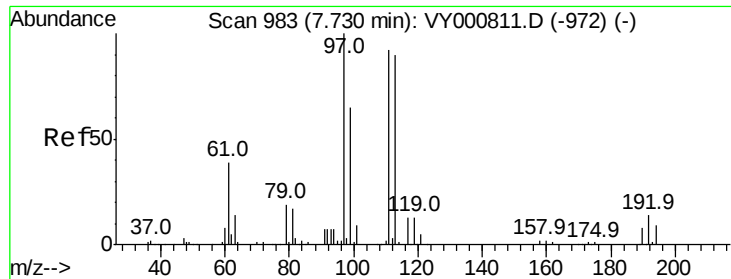
20000

0

8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 47.622 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000898.D

Acq: 06 Dec 2019 13:55

Instrument :
MSVOA_Y
ClientSampleId :

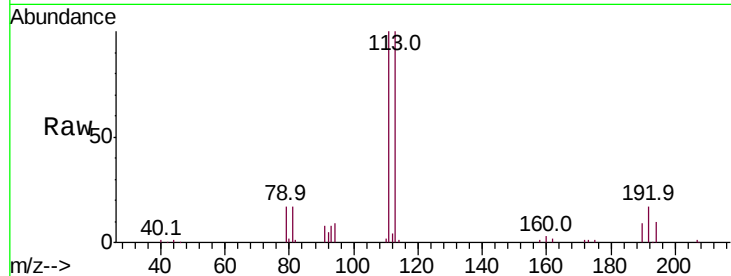
Tot Ion:113 Resp: 45621

Ion Ratio Lower Upper

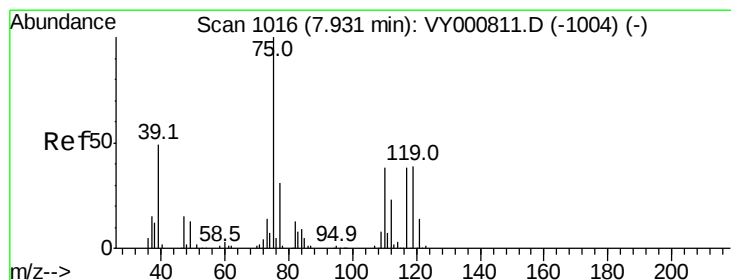
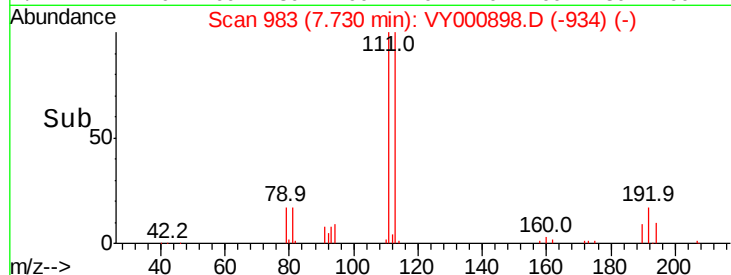
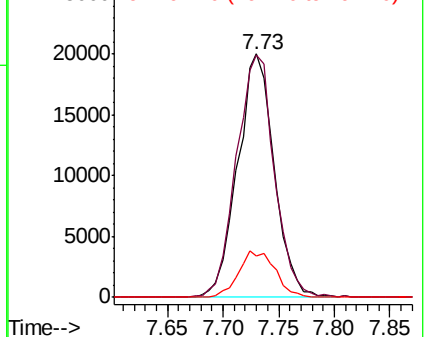
113 100

111 103.2 82.4 123.6

192 18.9 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: 4.835 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.14 min

Lab File: VY000898.D

Acq: 06 Dec 2019 13:55

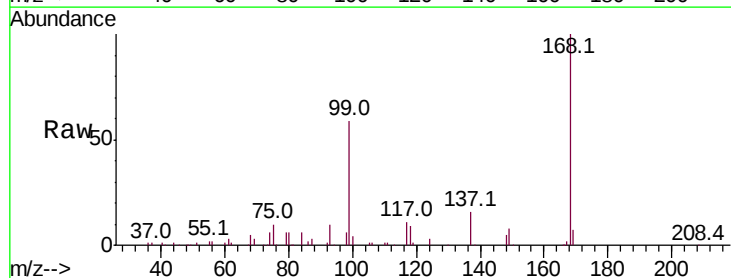
Tgt Ion: 75 Resp: 7903

Ion Ratio Lower Upper

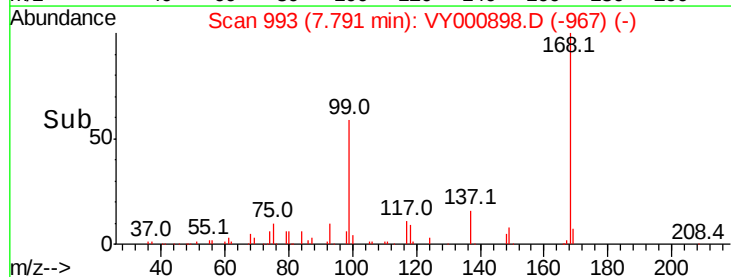
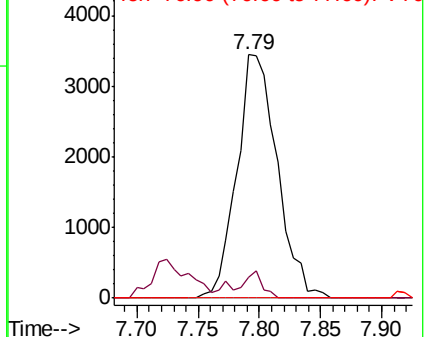
75 100

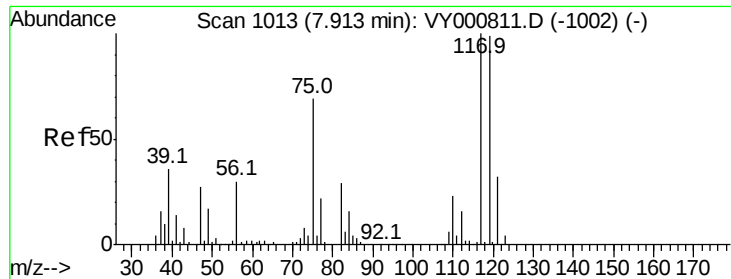
110 4.8 17.9 53.7#

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: 6.718 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000898.D

Acq: 06 Dec 2019 13:55

Instrument :

MSVOA_Y

ClientSampled :

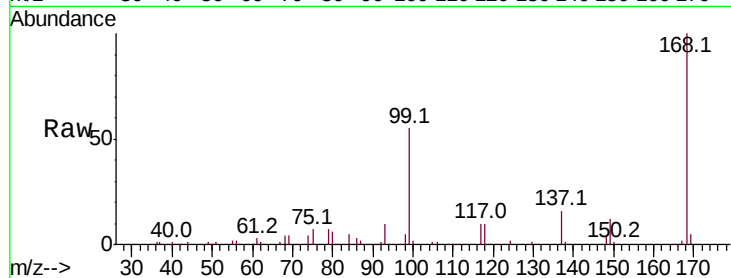
Tot Ion:117 Resp: 9778

Ion Ratio Lower Upper

117 100

119 3.3 79.3 118.9#

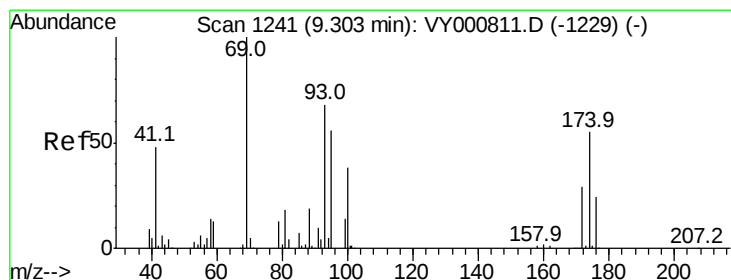
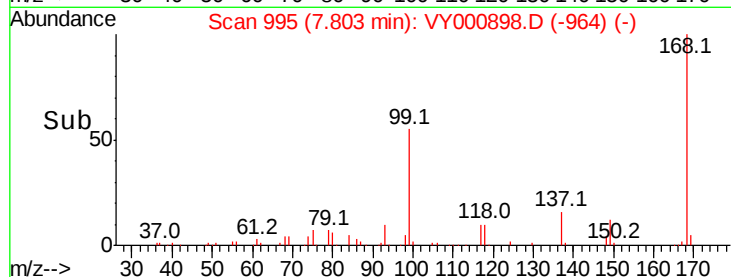
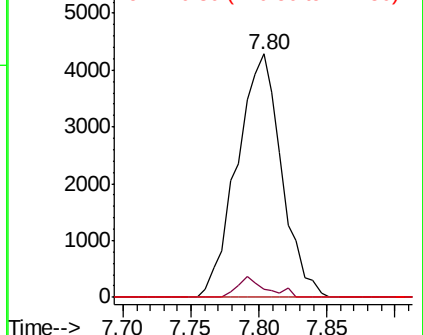
121 0.0 25.5 38.3#



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: 6.326 ug/l

RT: 9.18 min Scan# 1221

Delta R.T. -0.12 min

Lab File: VY000898.D

Acq: 06 Dec 2019 13:55

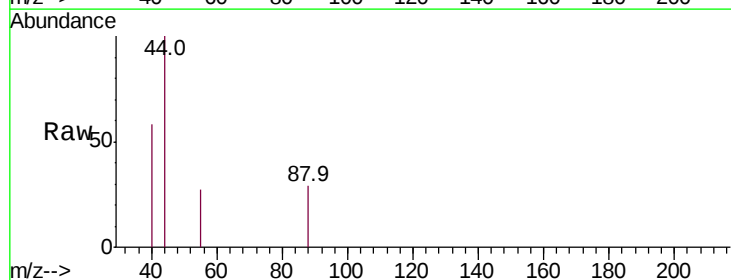
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 139.3 21.1 31.7#

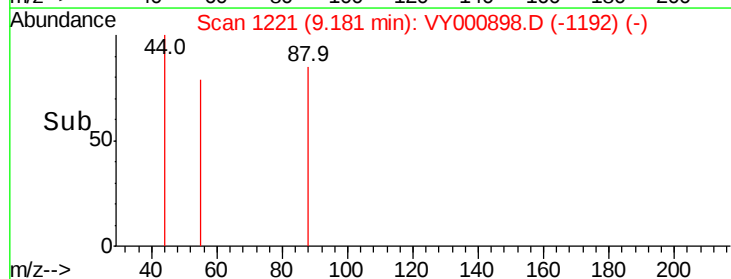
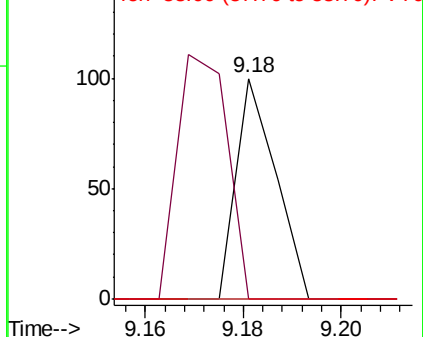
58 0.0 50.7 76.1#

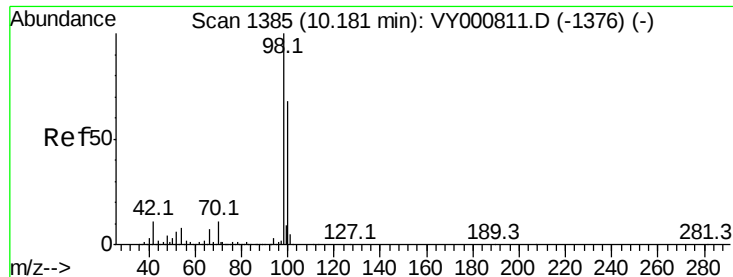


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 49.858 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000898.D

Acq: 06 Dec 2019 13:55

Instrument :

MSVOA_Y

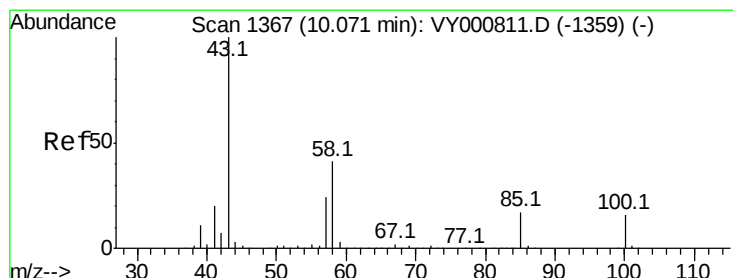
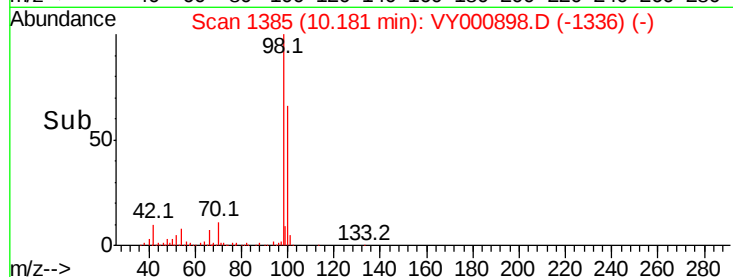
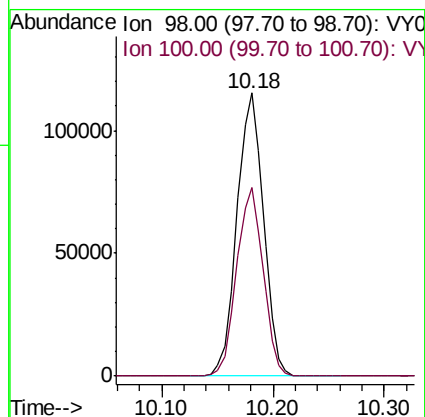
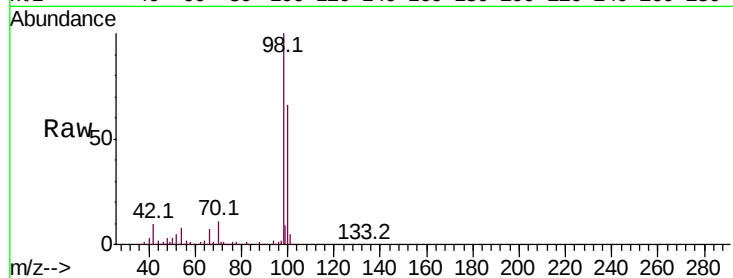
ClientSampleId :

Tot Ion: 98 Resp: 190956

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 1.850 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000898.D

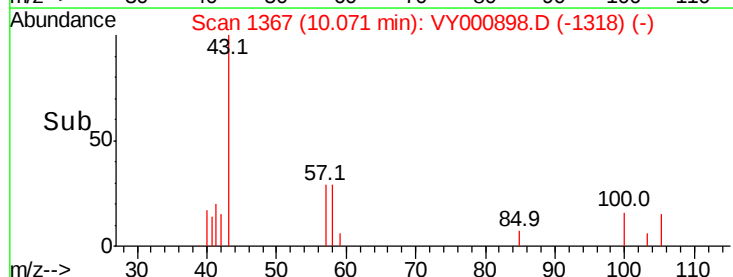
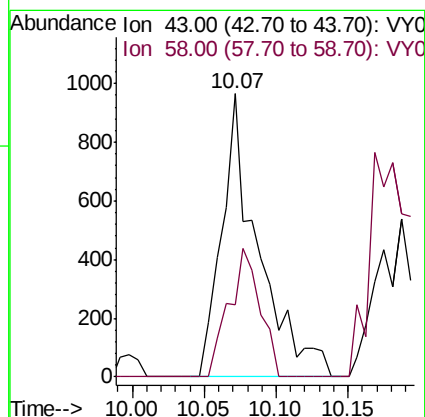
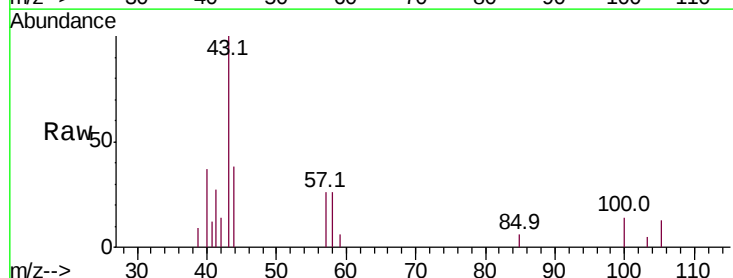
Acq: 06 Dec 2019 13:55

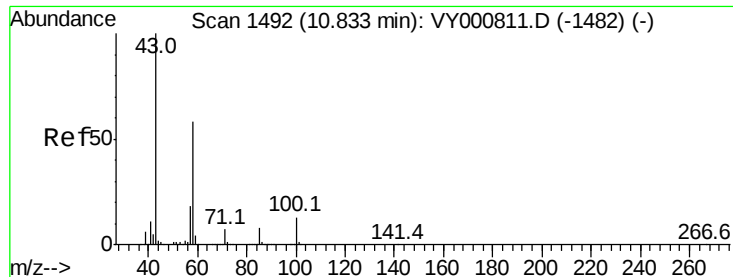
Tgt Ion: 43 Resp: 1700

Ion Ratio Lower Upper

43 100

58 38.9 33.1 49.7

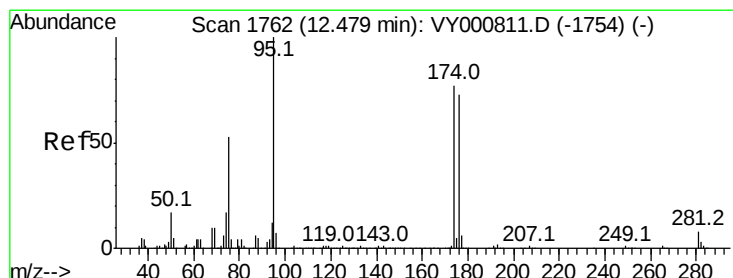
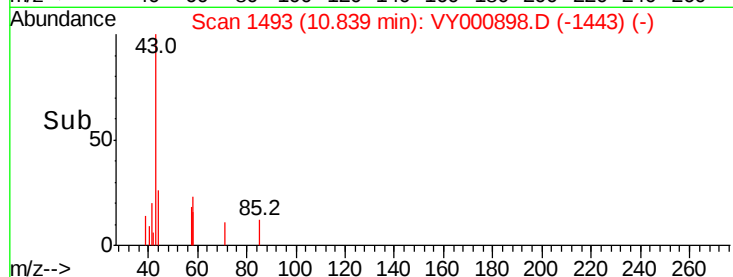
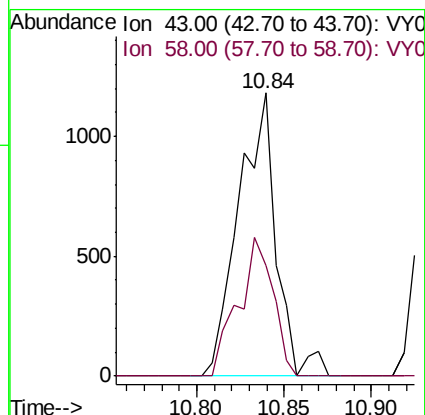
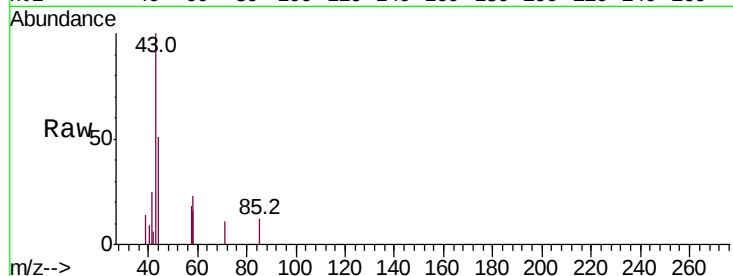




#59
2-Hexanone
Concen: 2.641 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000898.D
Acq: 06 Dec 2019 13:55

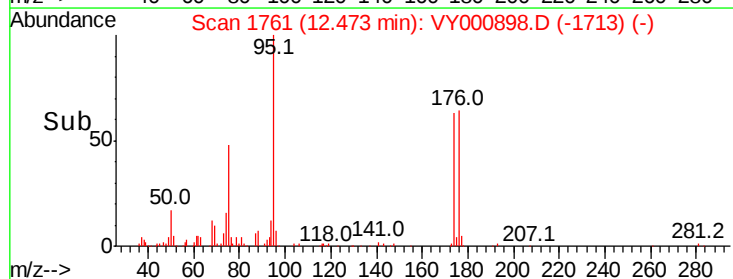
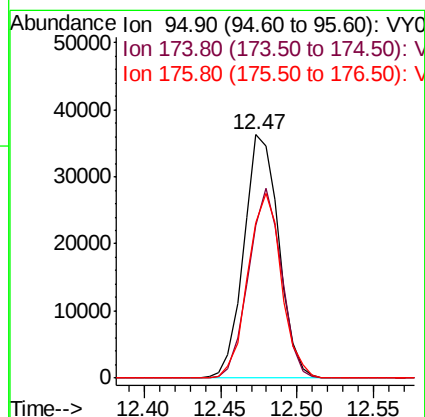
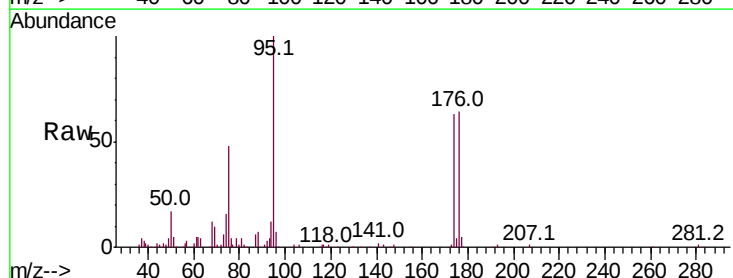
Instrument :
MSVOA_Y
ClientSampled :

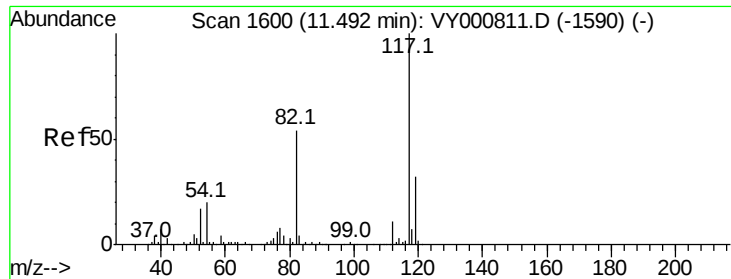
Tot Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
58 45.1 29.0 87.1



#62
4-Bromofluorobenzene
Concen: 39.898 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VY000898.D
Acq: 06 Dec 2019 13:55

Tgt Ion: 95 Resp: 57388
Ion Ratio Lower Upper
95 100
174 73.4 0.0 150.6
176 72.9 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: VY000898.D

Acq: 06 Dec 2019 13:55

Instrument :

MSVOA_Y

ClientSampleId :

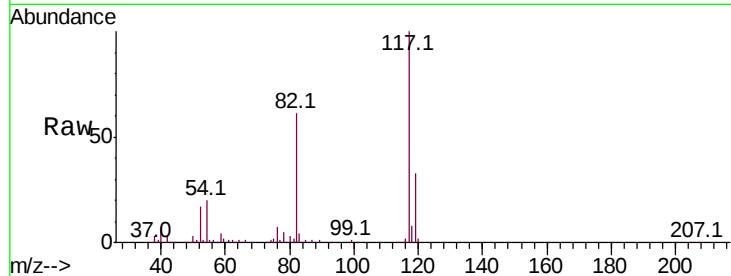
Tot Ion:117 Resp: 132699

Ion Ratio Lower Upper

117 100

82 60.5 43.1 64.7

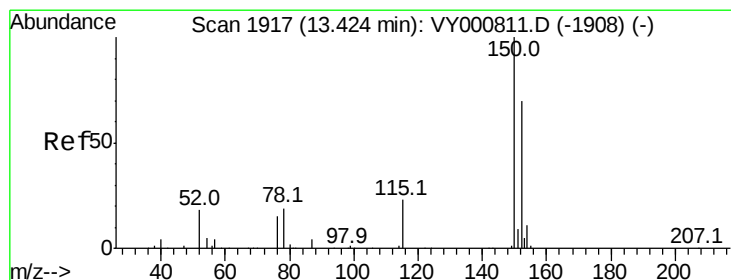
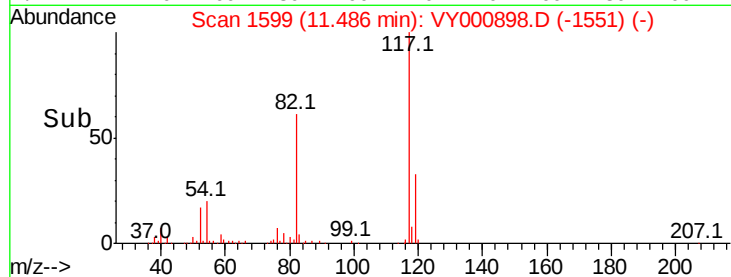
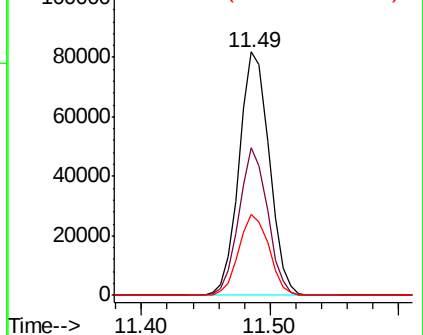
119 33.1 25.3 37.9



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: VY000898.D

Acq: 06 Dec 2019 13:55

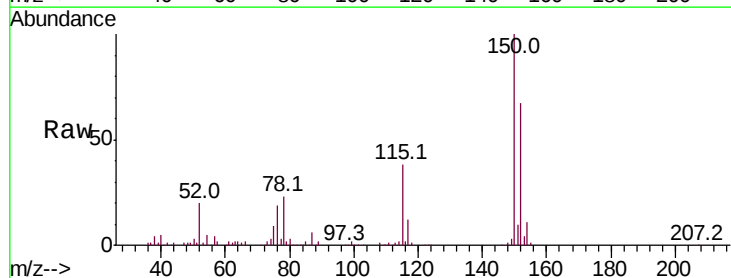
Tgt Ion:152 Resp: 55922

Ion Ratio Lower Upper

152 100

115 60.7 29.3 87.8

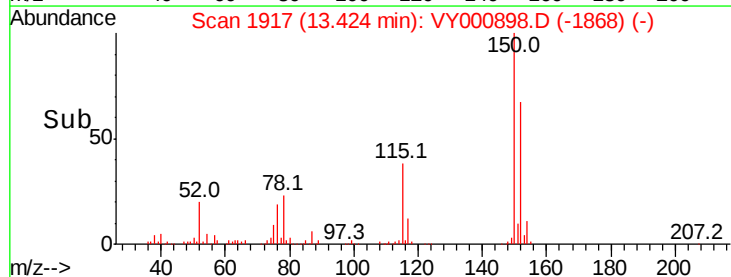
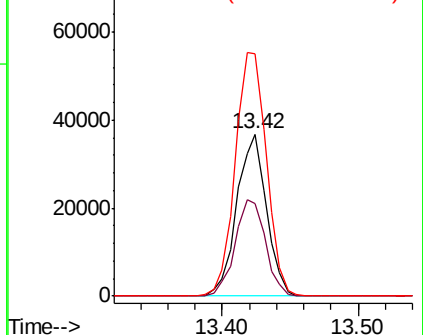
150 158.3 0.0 351.2

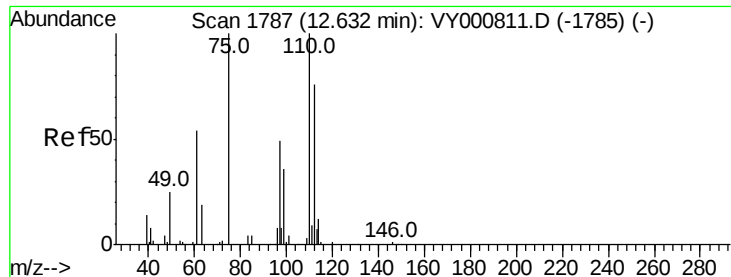


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 45.493 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000898.D

Acq: 06 Dec 2019 13:55

Instrument :

MSVOA_Y

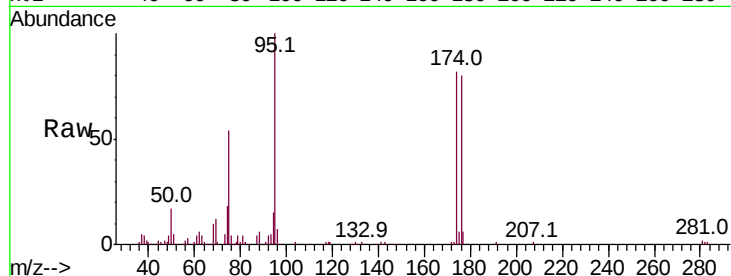
ClientSampleId :

Tot Ion: 75 Resp: 28824

Ion Ratio Lower Upper

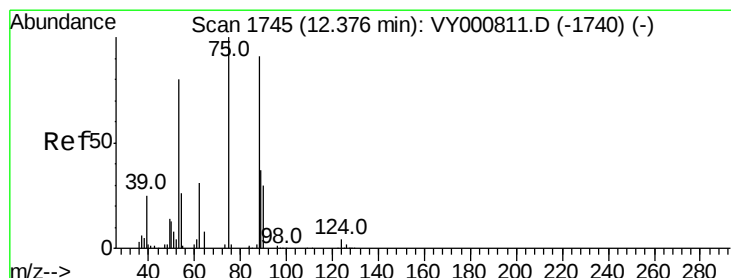
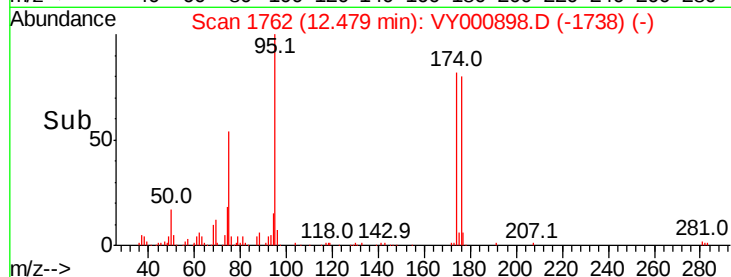
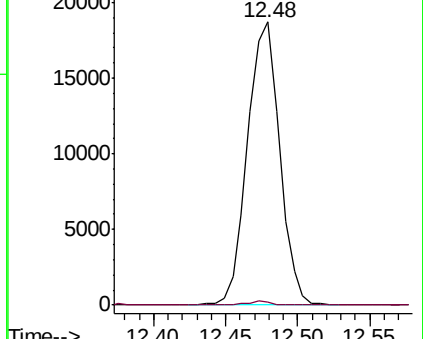
75 100

77 0.9 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: 89.361 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000898.D

Acq: 06 Dec 2019 13:55

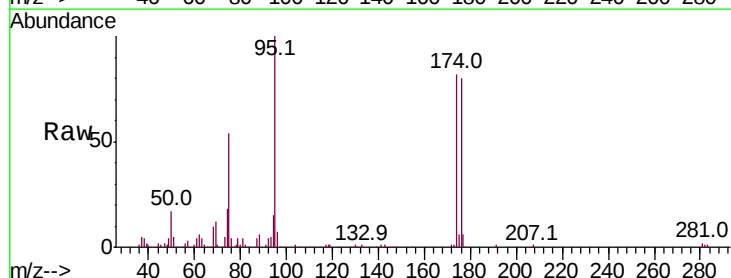
Tgt Ion: 75 Resp: 28824

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

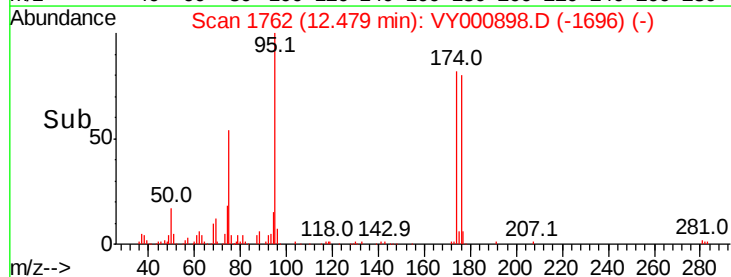
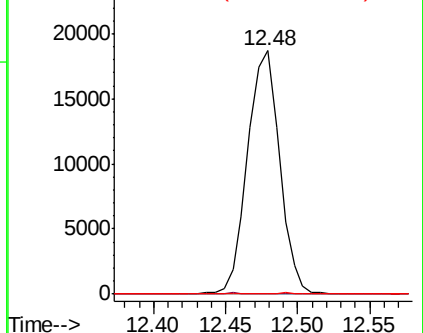
89 0.2 33.6 50.4#

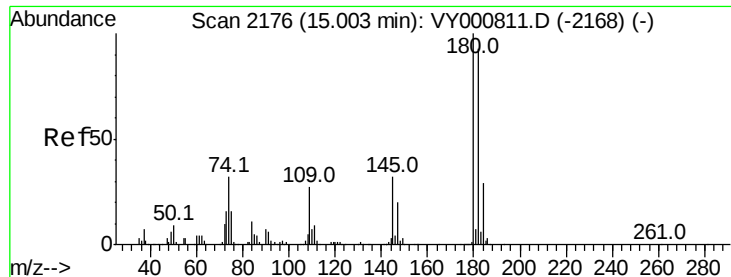


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

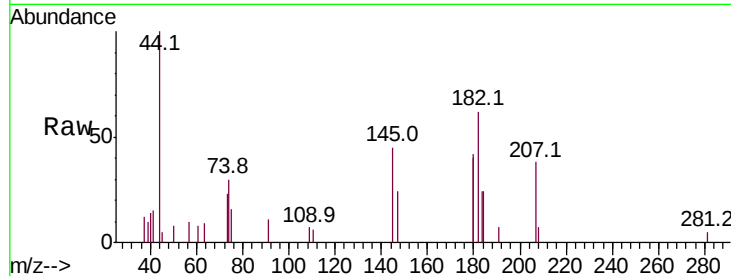




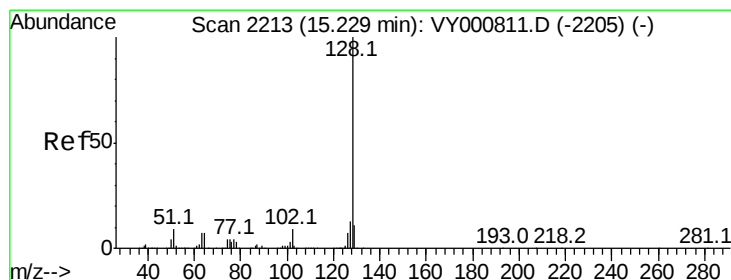
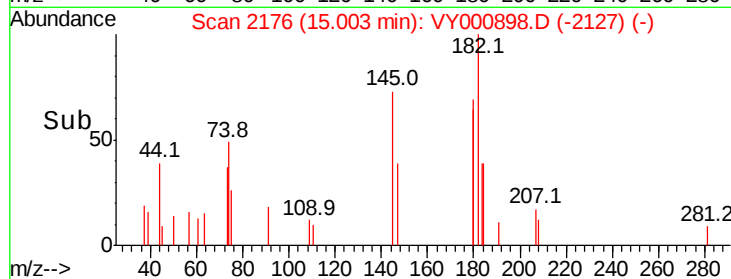
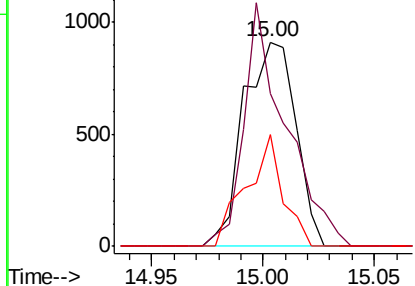
#93
 1,2,4-Trichlorobenzene
 Concen: 1.293 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000898.D
 Acq: 06 Dec 2019 13:55

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.9
145	38.3	16.0	47.9

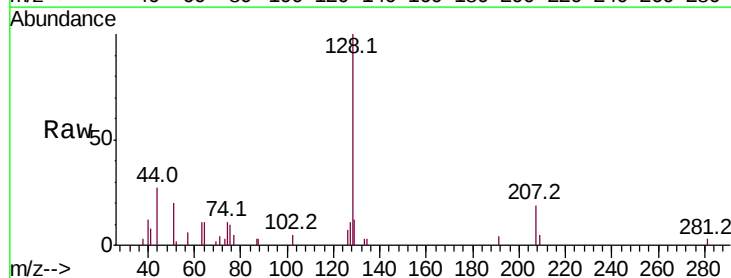


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

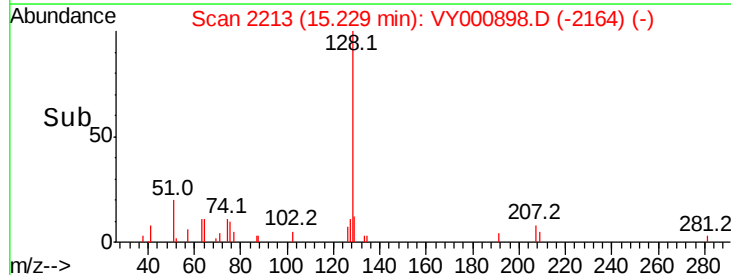
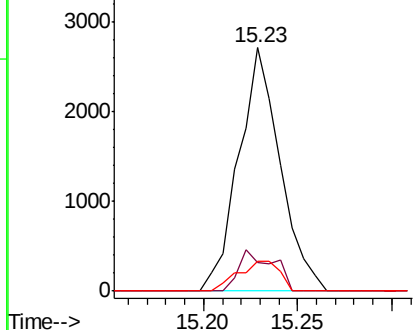


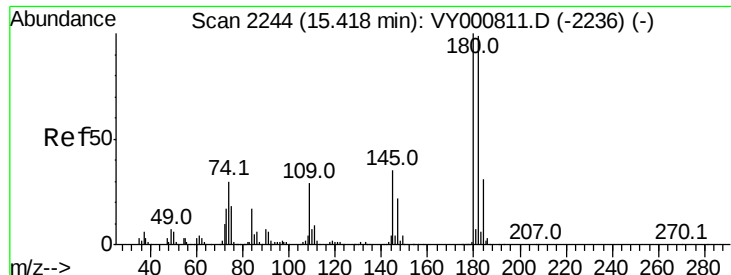
#95
 Naphthalene
 Concen: 1.544 ug/l
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VY000898.D
 Acq: 06 Dec 2019 13:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.1	15.1
129	12.2	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





#96

1,2,3-Trichlorobenzene

Concen: 1.217 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY000898.D

Acq: 06 Dec 2019 13:55

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:180 Resp: 1253

Ion Ratio Lower Upper

180 100

182 97.0 48.0 144.0

145 0.0 16.9 50.6#

