

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120619\
 Data File : VY000901.D
 Acq On : 06 Dec 2019 15:02
 Operator : SY/MD
 Sample : K6187-10
 Misc : 5.43G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 06 17:23:36 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	247450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	471751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	418801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	177239	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	150969	57.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.84%	
35) Dibromofluoromethane	7.72	113	136564	49.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.34%	
50) Toluene-d8	10.18	98	557439	50.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.48	95	184325	44.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.30%	

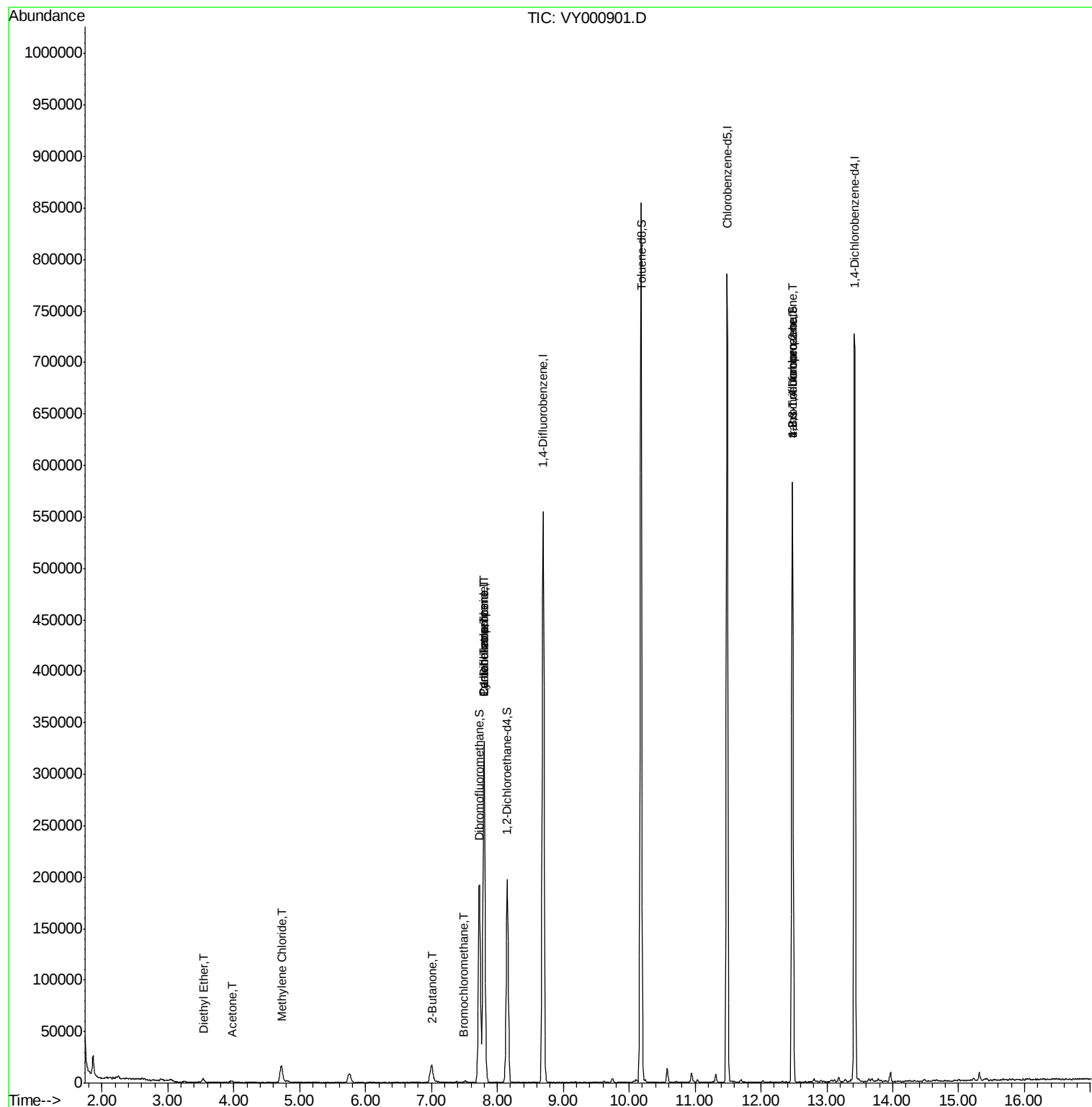
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.60	94	91	Below Cal	#	3
8) Diethyl Ether	3.53	74	2558	1.532	ug/l	99
16) Acetone	3.96	43	1615	2.678	ug/l #	85
20) Methylene Chloride	4.72	84	11668	3.670	ug/l	95
25) 2-Butanone	7.02	43	1593	1.430	ug/l #	49
28) Bromochloromethane	7.50	49	180	2.105	ug/l #	15
31) Cyclohexane	7.80	56	6413	1.149	ug/l #	4
36) 1,1-Dichloropropene	7.80	75	21671	4.620	ug/l #	49
38) Carbon Tetrachloride	7.80	117	26109	6.250	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	93914	46.768	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93914	91.865	ug/l #	17

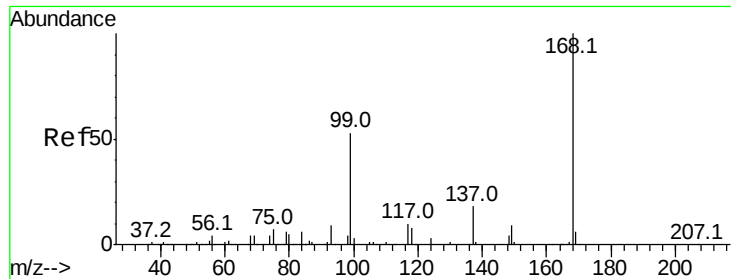
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000901.D

Acq: 06 Dec 2019 15:02

Instrument :

MSVOA_Y

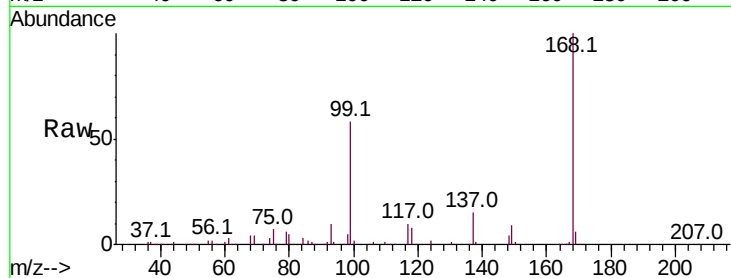
ClientSampleId :

Tot Ion:168 Resp: 247450

Ion Ratio Lower Upper

168 100

99 57.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000901.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000901.D (-946) (-)

7.80

120000

100000

80000

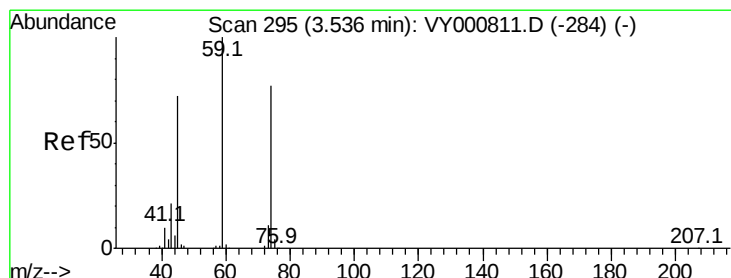
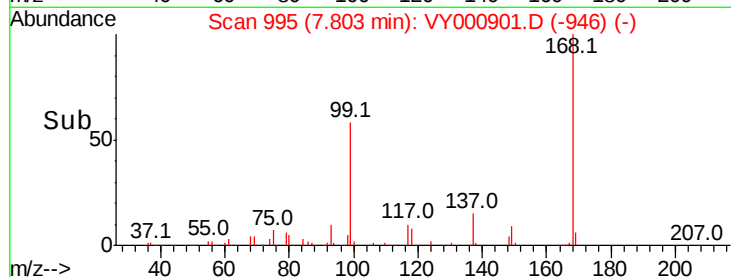
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#8

Diethyl Ether

Concen: 1.532 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000901.D

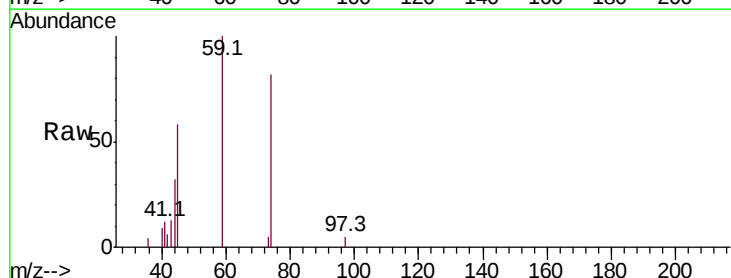
Acq: 06 Dec 2019 15:02

Tgt Ion: 74 Resp: 2558

Ion Ratio Lower Upper

74 100

45 99.0 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VY000901.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY000901.D (-246) (-)

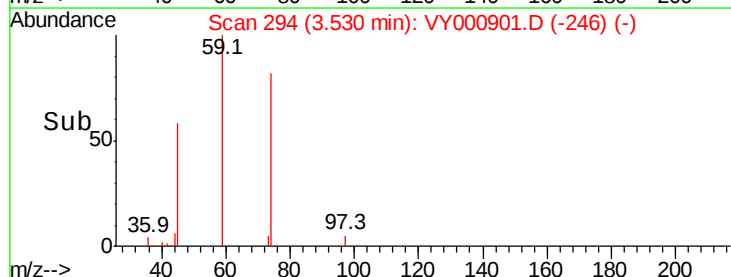
3.53

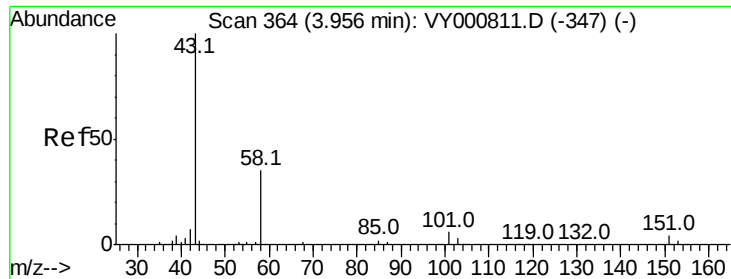
1000

500

0

Time--> 3.45 3.50 3.55 3.60





#16

Acetone

Concen: 2.678 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

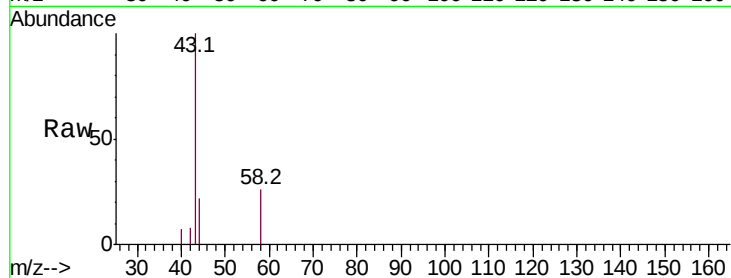
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 1615

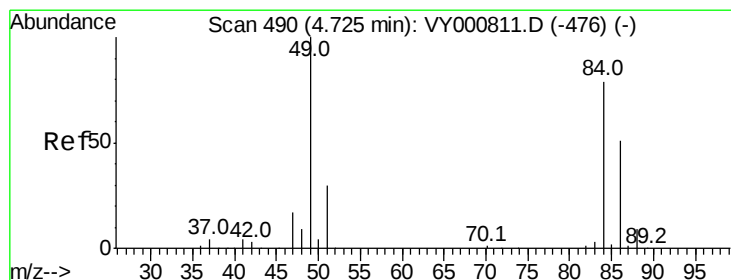
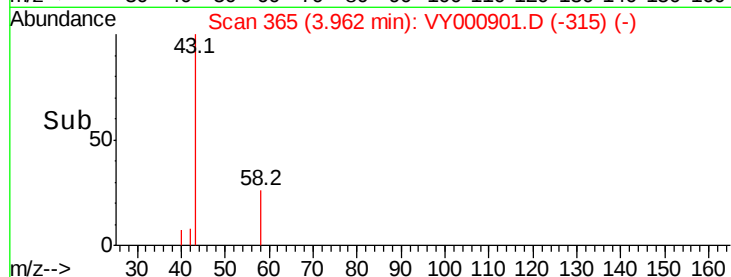
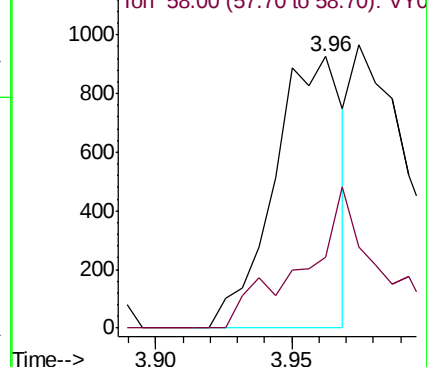
Ion Ratio Lower Upper

43 100

58 26.2 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-347) (-)



#20

Methylene Chloride

Concen: 3.670 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

Tgt Ion: 84 Resp: 11668

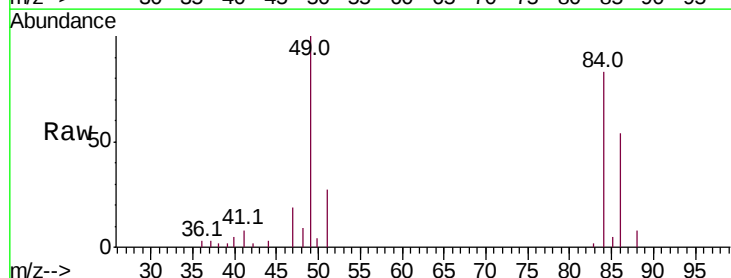
Ion Ratio Lower Upper

84 100

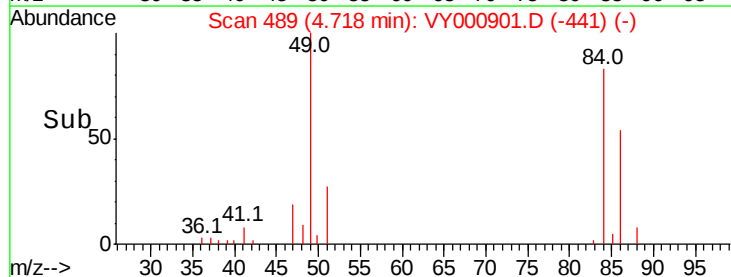
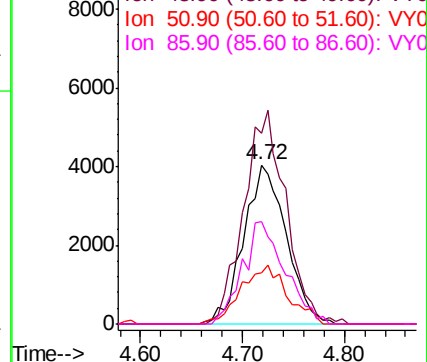
49 119.8 101.3 151.9

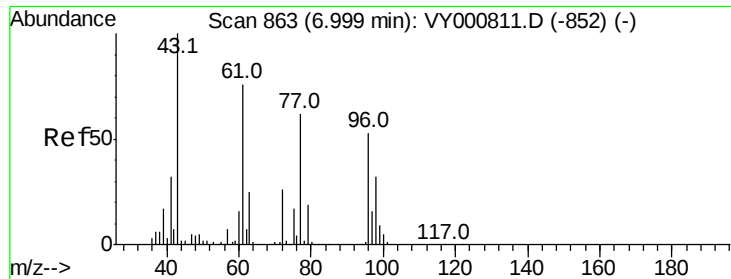
51 32.4 30.6 45.8

86 64.6 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY000811.D (-476) (-)





#25

2-Butanone

Concen: 1.430 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.02 min

Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

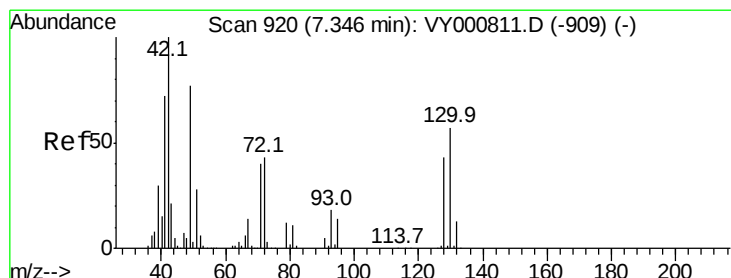
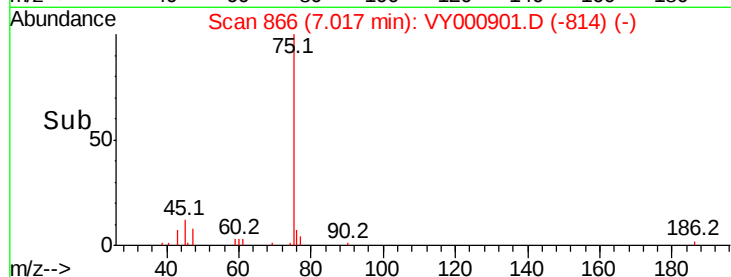
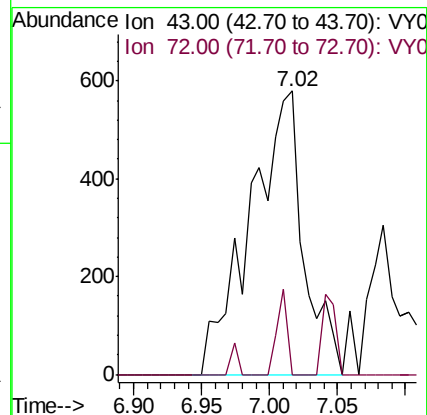
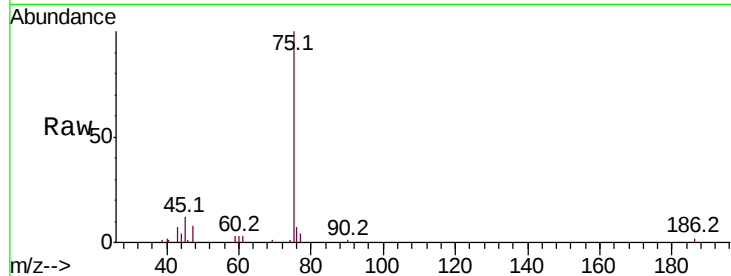
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1593

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#28

Bromochloromethane

Concen: 2.105 ug/l

RT: 7.50 min Scan# 945

Delta R.T. 0.15 min

Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

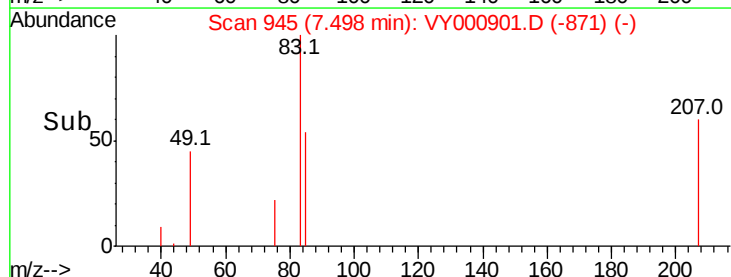
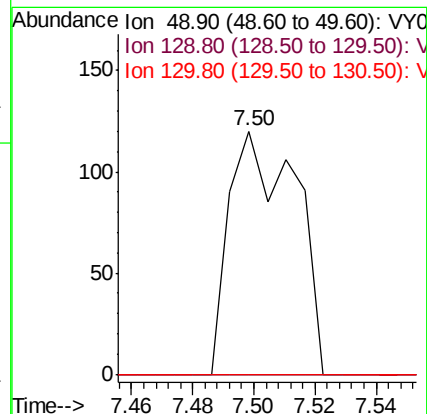
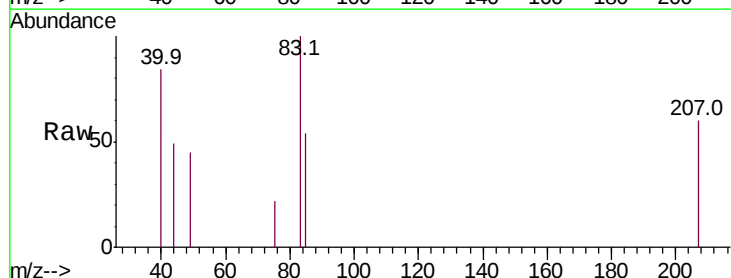
Tgt Ion: 49 Resp: 180

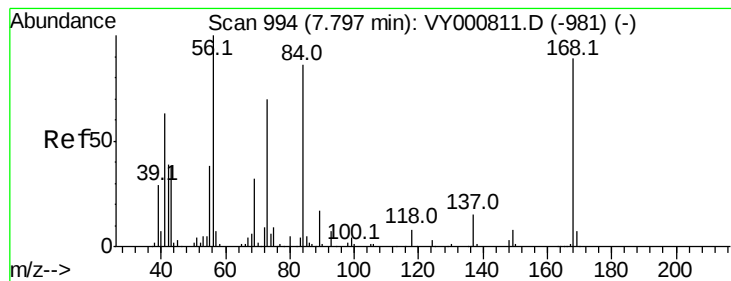
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#





#31

Cyclohexane

Concen: 1.149 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

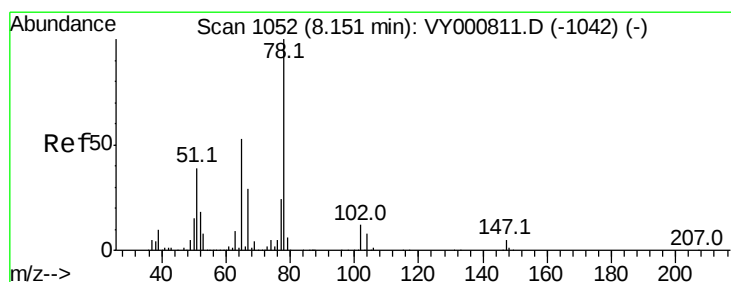
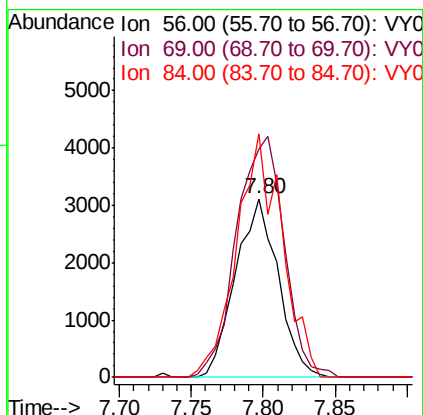
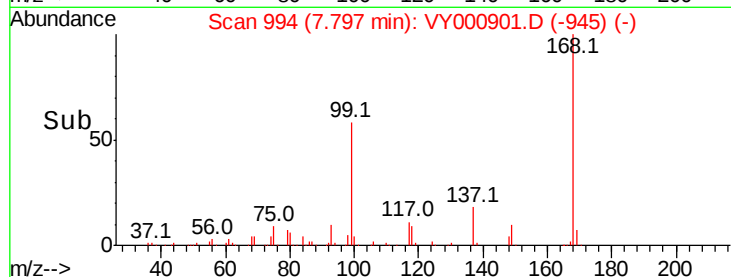
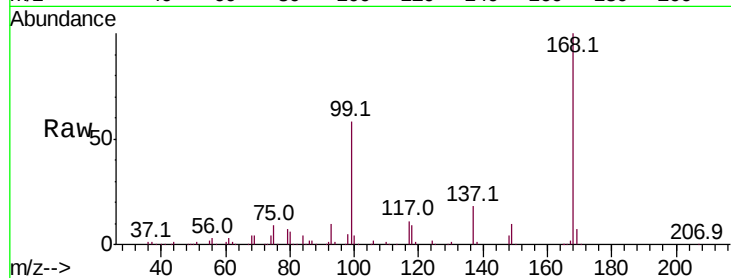
Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 6413

Ion	Ratio	Lower	Upper
56	100		
69	127.8	25.9	38.9#
84	148.5	68.6	102.8#



#33

1,2-Dichloroethane-d4

Concen: 57.417 ug/l

RT: 8.15 min Scan# 1052

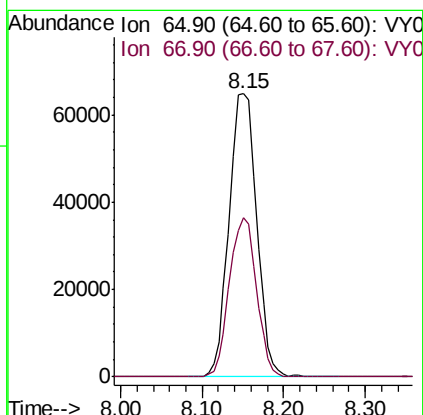
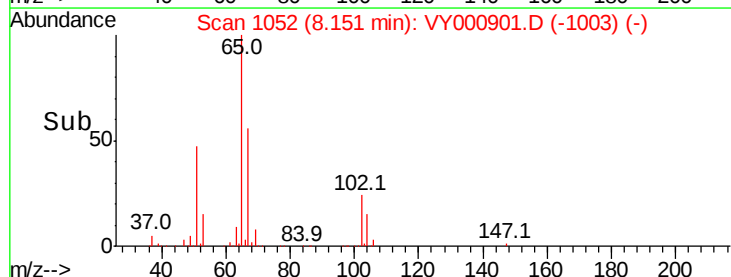
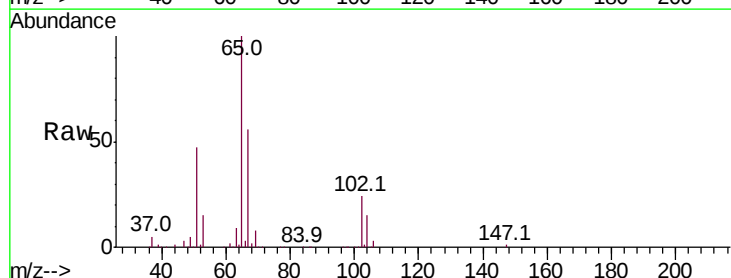
Delta R.T. -0.00 min

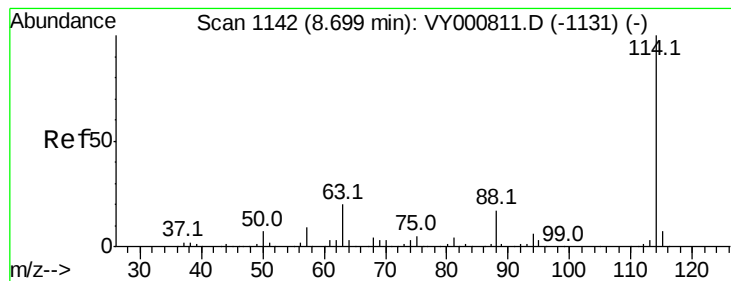
Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

Tgt Ion: 65 Resp: 150969

Ion	Ratio	Lower	Upper
65	100		
67	55.2	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: VY000901.D

Acq: 06 Dec 2019 15:02

Instrument :
MSVOA_Y
ClientSampleId :

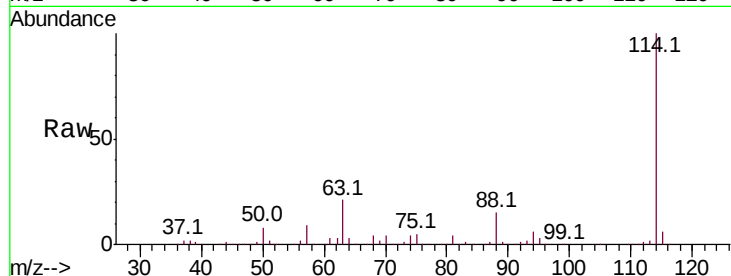
Tot Ion:114 Resp: 471751

Ion Ratio Lower Upper

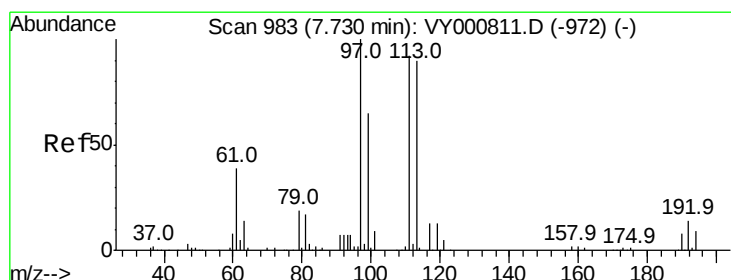
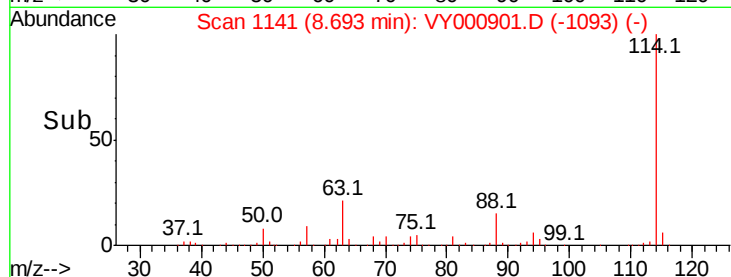
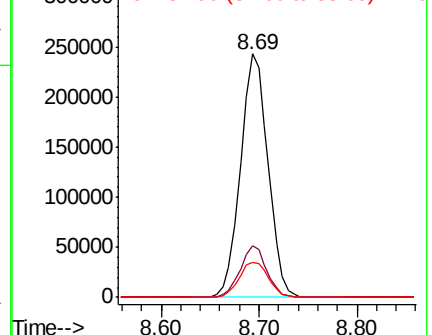
114 100

63 21.0 0.0 39.8

88 14.6 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



#35

Dibromofluoromethane

Concen: 49.671 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

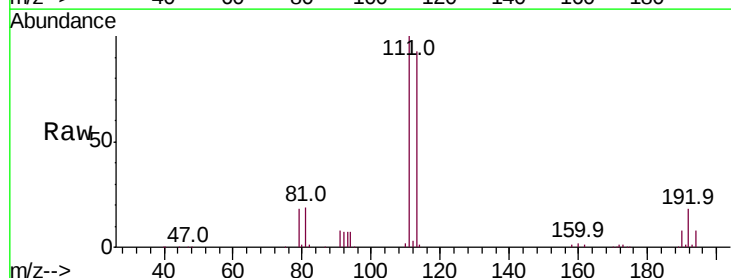
Tgt Ion:113 Resp: 136564

Ion Ratio Lower Upper

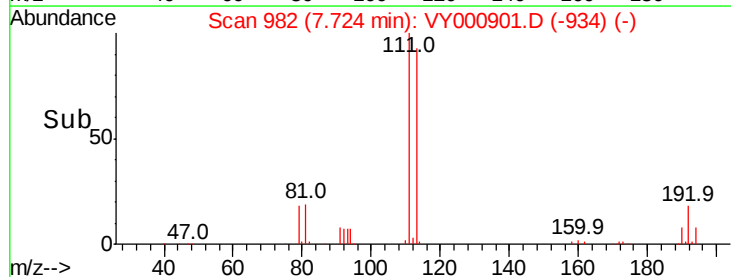
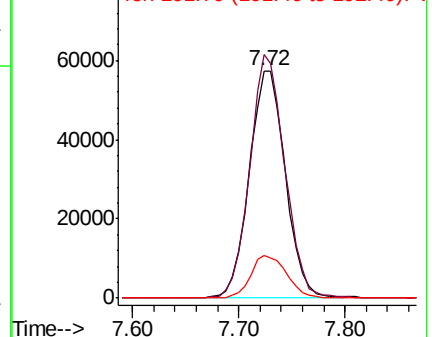
113 100

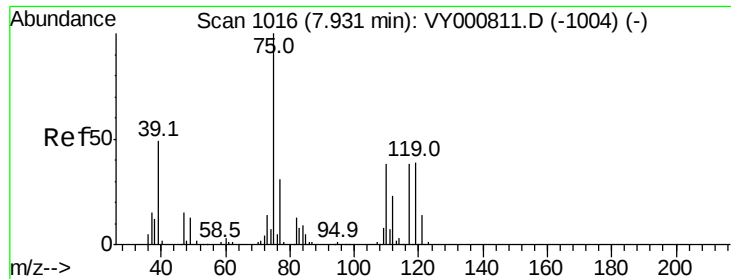
111 103.8 82.4 123.6

192 18.7 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

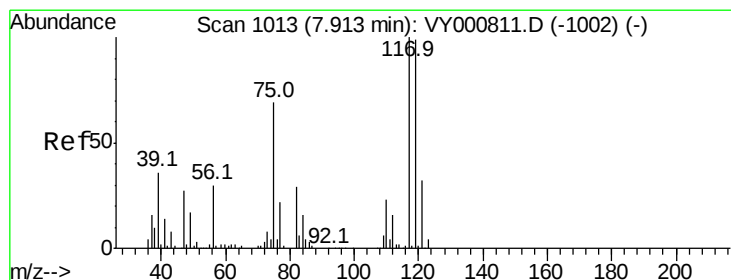
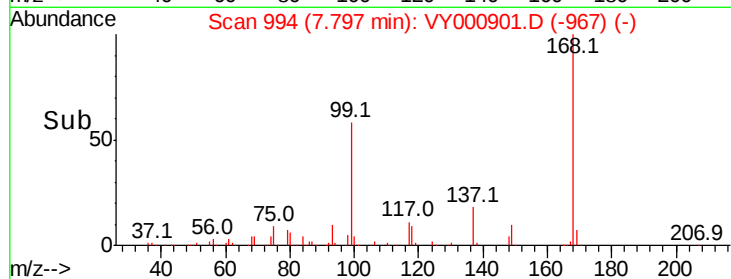
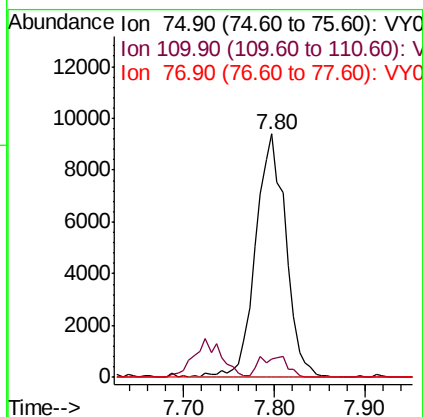
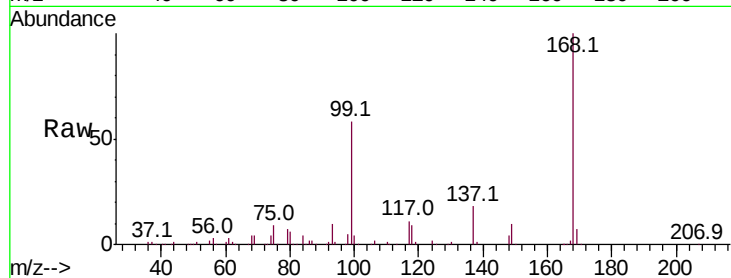




#36
 1,1-Dichloropropene
 Concen: 4.620 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000901.D
 Acq: 06 Dec 2019 15:02

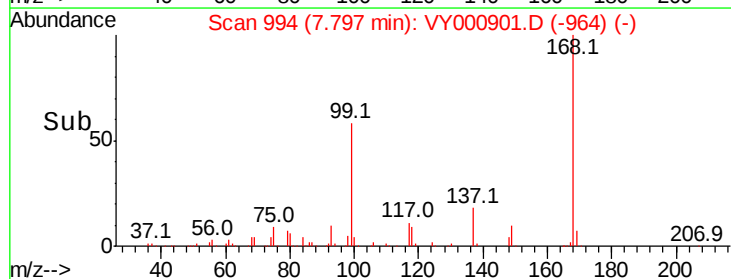
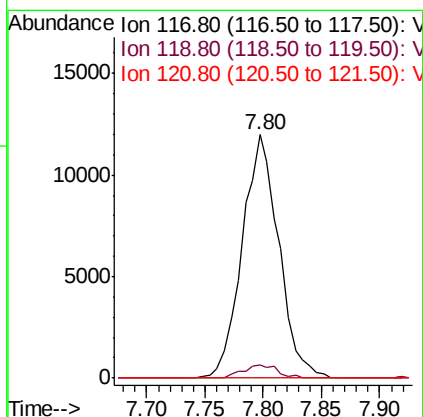
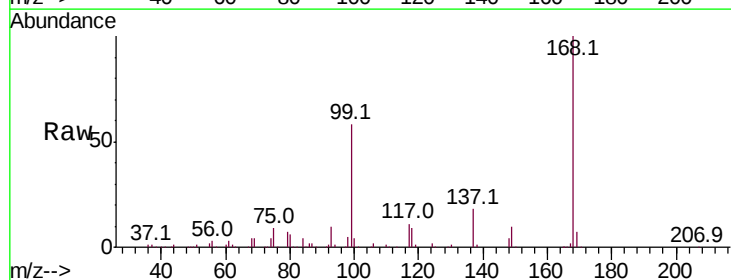
Instrument :
 MSVOA_Y
 ClientSampleId :

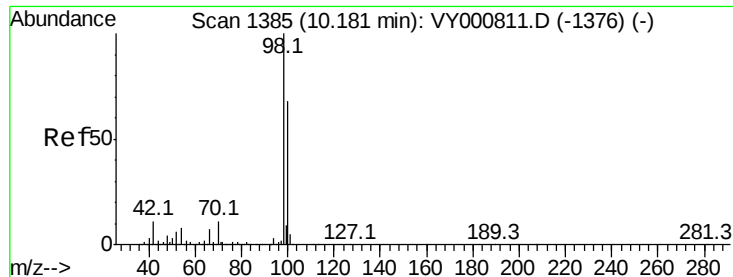
Tot Ion: 75 Resp: 21671
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.9 53.7#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.250 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000901.D
 Acq: 06 Dec 2019 15:02

Tgt Ion: 117 Resp: 26109
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.3 118.9#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 50.714 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

Instrument :

MSVOA_Y

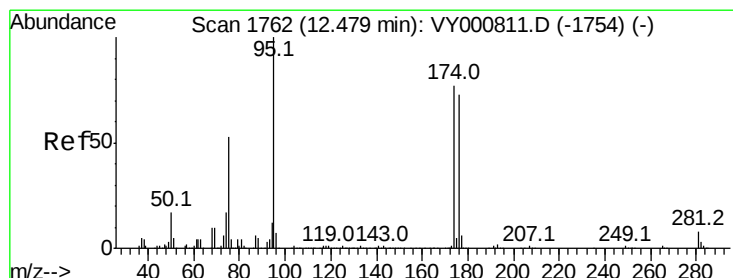
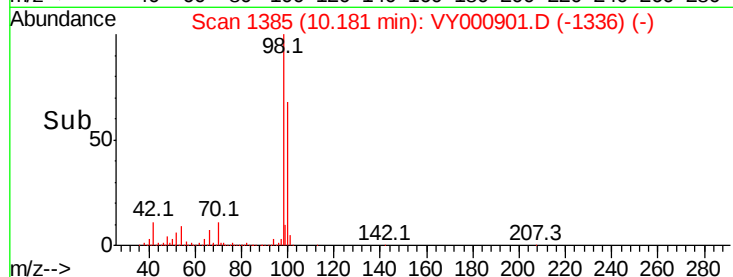
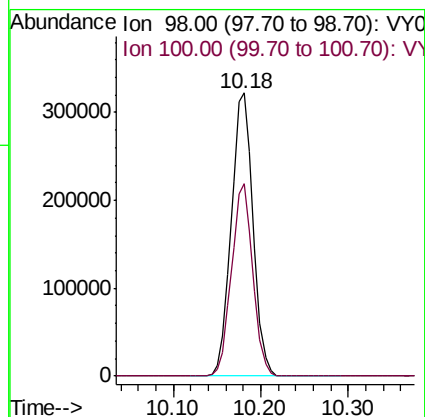
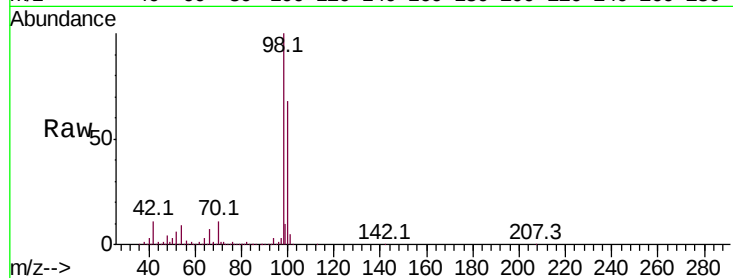
ClientSampleId :

Tot Ion: 98 Resp: 557439

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.652 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

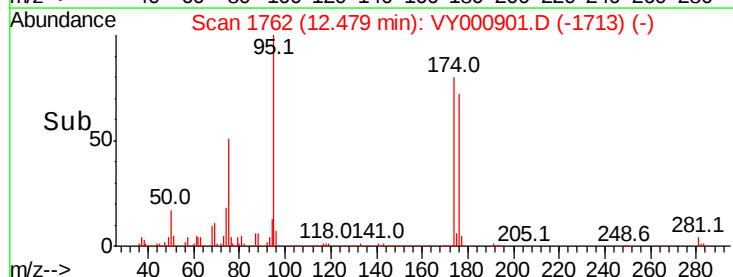
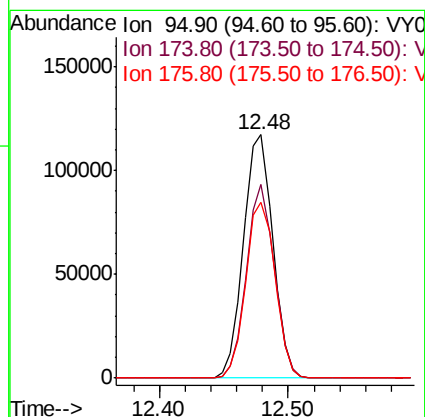
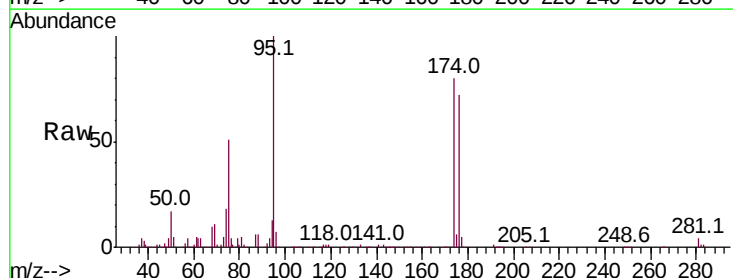
Tgt Ion: 95 Resp: 184325

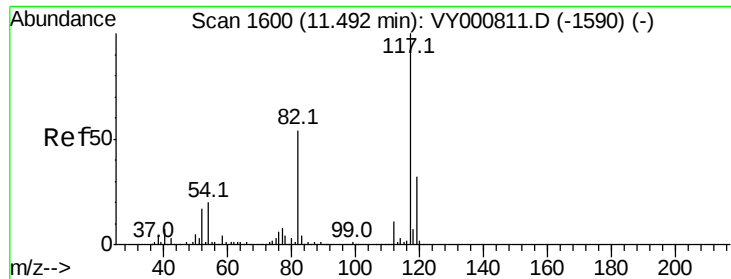
Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.6

176 72.1 0.0 145.2

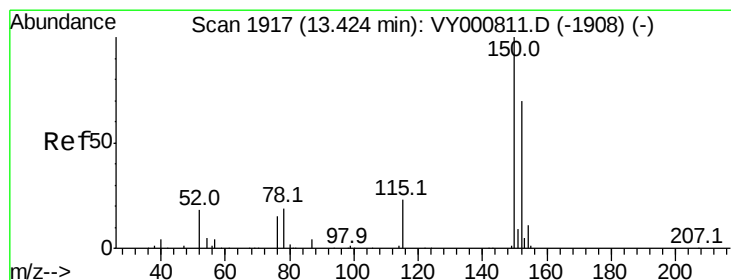
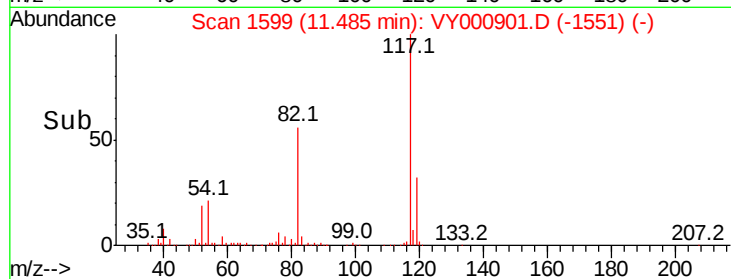
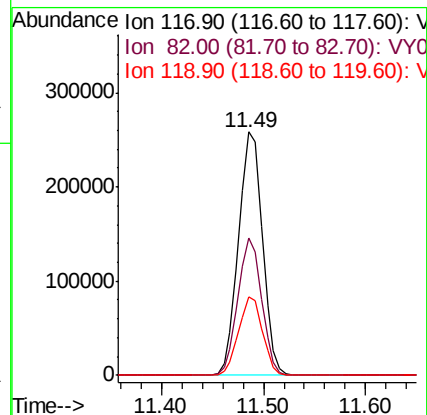
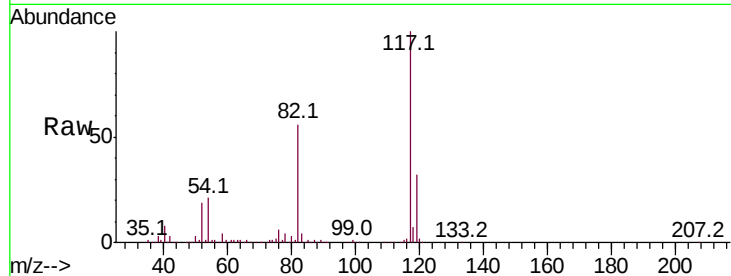




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000901.D
Acq: 06 Dec 2019 15:02

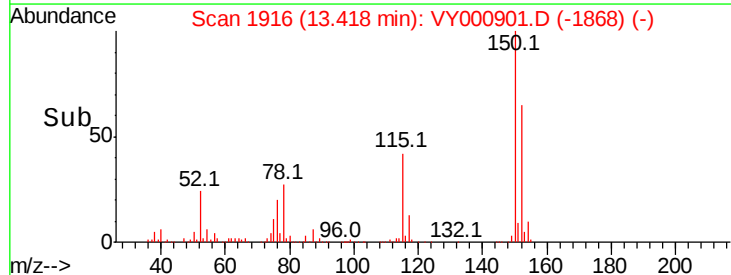
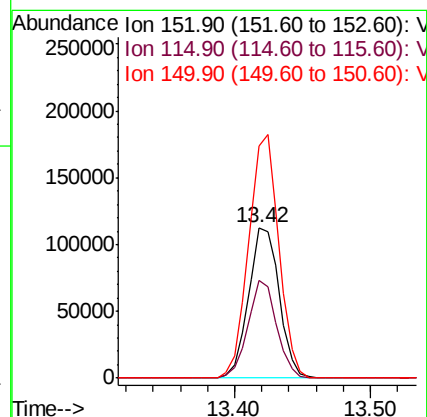
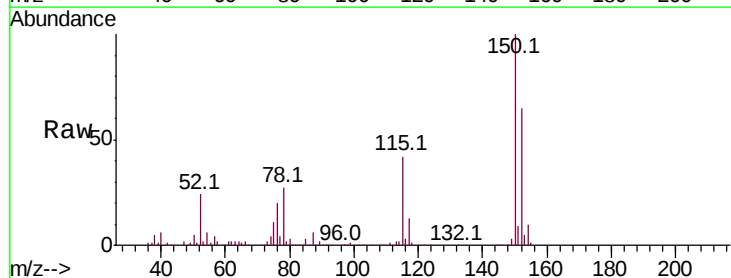
Instrument :
MSVOA_Y
ClientSampled :

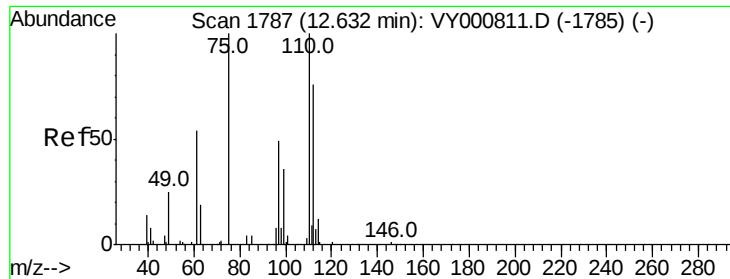
Tot Ion:117 Resp: 418801
Ion Ratio Lower Upper
117 100
82 56.4 43.1 64.7
119 32.4 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000901.D
Acq: 06 Dec 2019 15:02

Tgt Ion:152 Resp: 177239
Ion Ratio Lower Upper
152 100
115 60.8 29.3 87.8
150 159.1 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 46.768 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

Instrument :

MSVOA_Y

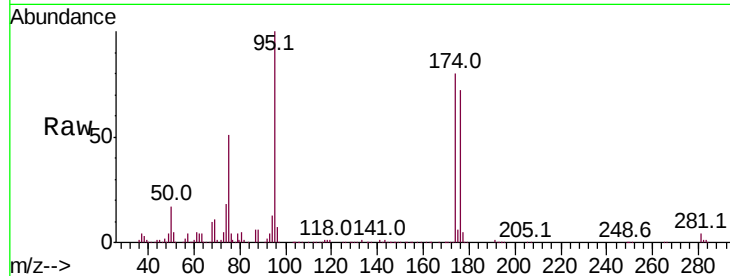
ClientSampleId :

Tot Ion: 75 Resp: 93914

Ion Ratio Lower Upper

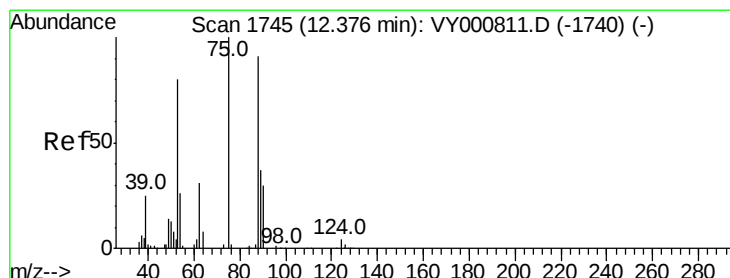
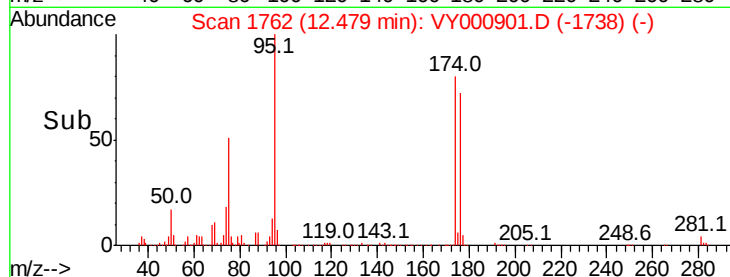
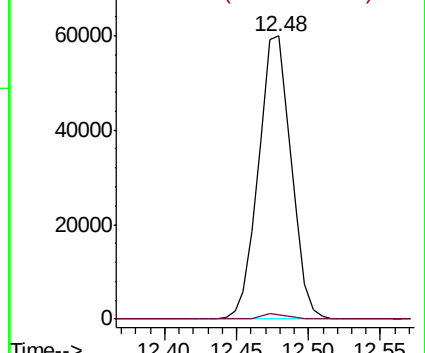
75 100

77 1.6 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: 91.865 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000901.D

Acq: 06 Dec 2019 15:02

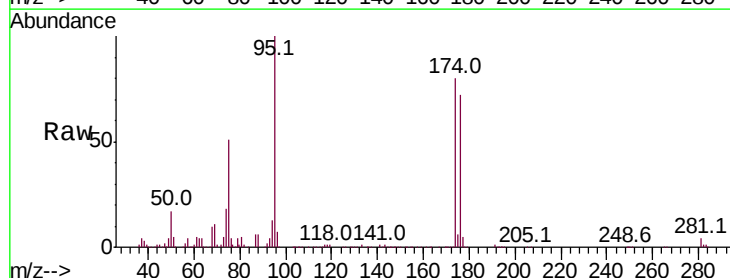
Tgt Ion: 75 Resp: 93914

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.1 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

