

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
 Data File : VY000907.D
 Acq On : 09 Dec 2019 11:35
 Operator : SY/MD
 Sample : VY1209SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 10 06:23:07 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	279729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	514728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	454577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	204017	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	160343	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
35) Dibromofluoromethane	7.73	113	151819	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.18	98	612538	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.48	95	208706	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	

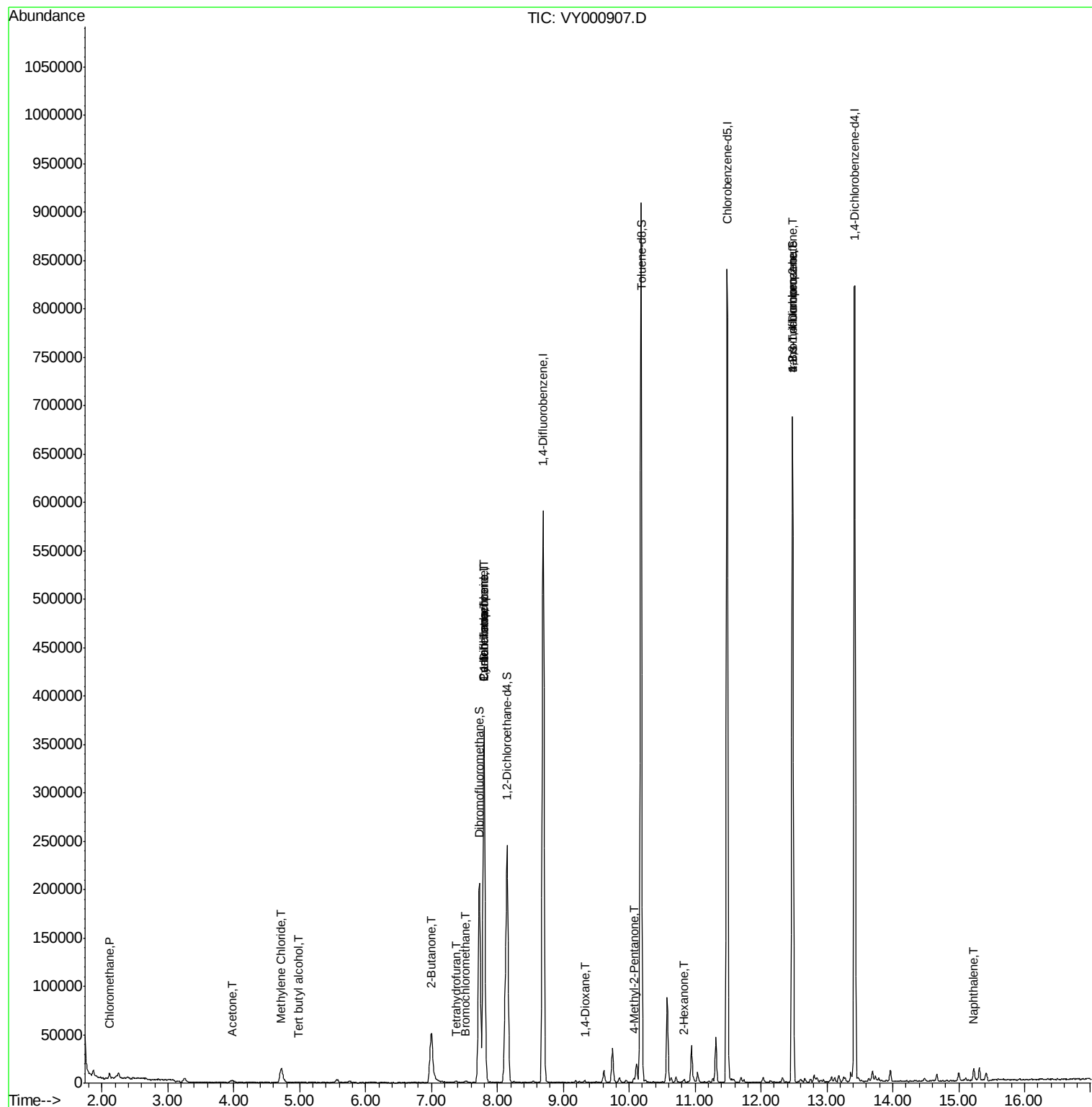
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	3930	1.059	ug/l #	87
5) Bromomethane	2.61	94	28	Below Cal	#	3
11) Tert butyl alcohol	4.98	59	673	2.251	ug/l #	74
16) Acetone	3.98	43	4721	6.924	ug/l	93
20) Methylene Chloride	4.72	84	11132	3.097	ug/l	91
25) 2-Butanone	7.00	43	3936	3.125	ug/l	96
28) Bromochloromethane	7.51	49	86	2.053	ug/l #	15
29) Tetrahydrofuran	7.37	42	989	1.185	ug/l #	71
31) Cyclohexane	7.79	56	6677	1.058	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	23758	4.642	ug/l #	49
38) Carbon Tetrachloride	7.80	117	27653	6.067	ug/l #	14
49) 1,4-Dioxane	9.34	88	30	1.082	ug/l #	1
51) 4-Methyl-2-Pentanone	10.06	43	3165	1.100	ug/l #	82
59) 2-Hexanone	10.83	43	2359	1.125	ug/l	84
76) 1,2,3-Trichloropropane	12.48	75	104457	45.190	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	104457	88.767	ug/l #	18
95) Naphthalene	15.23	128	9905	1.015	ug/l	97

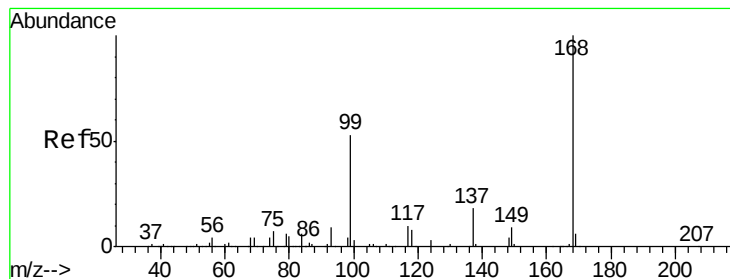
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
Data File : VY000907.D
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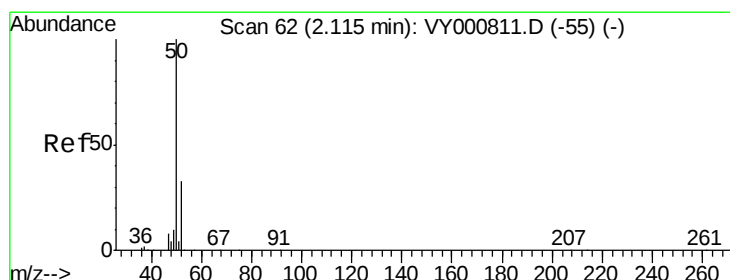
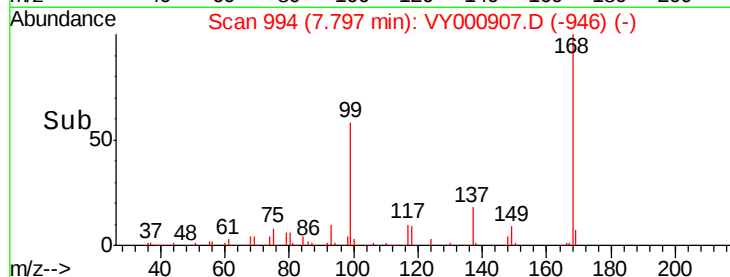
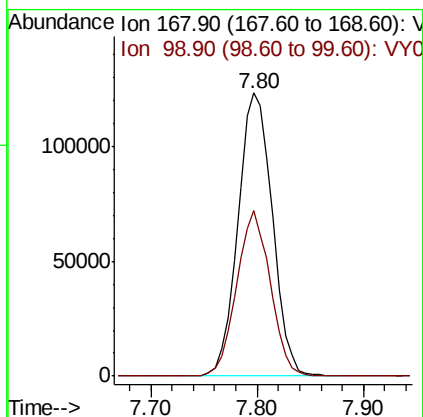
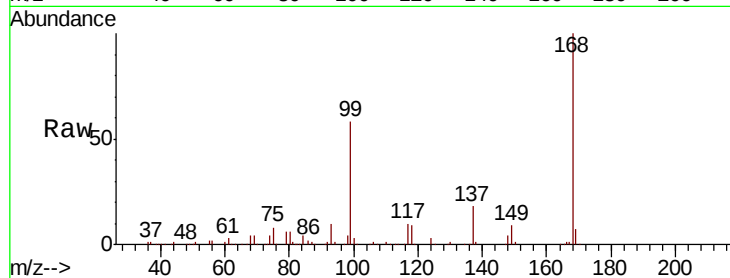




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

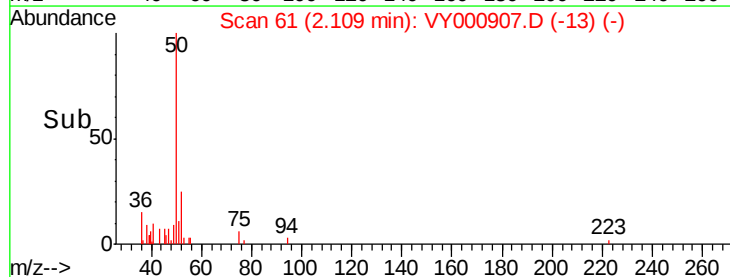
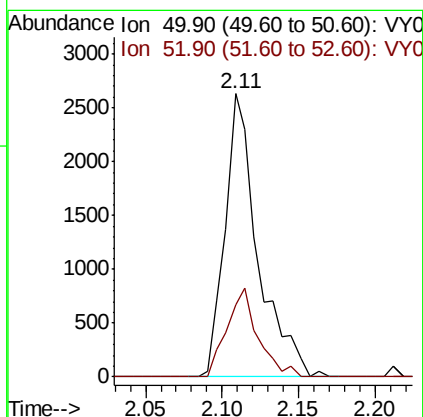
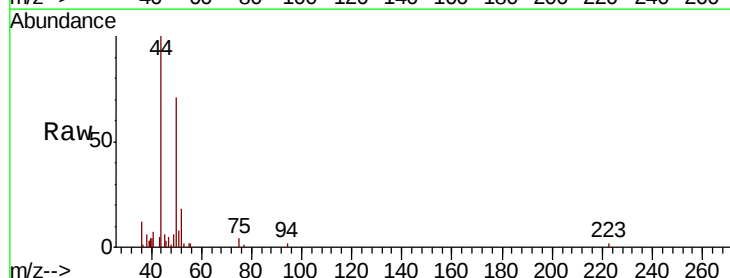
Instrument :
MSVOA_Y
ClientSampled :

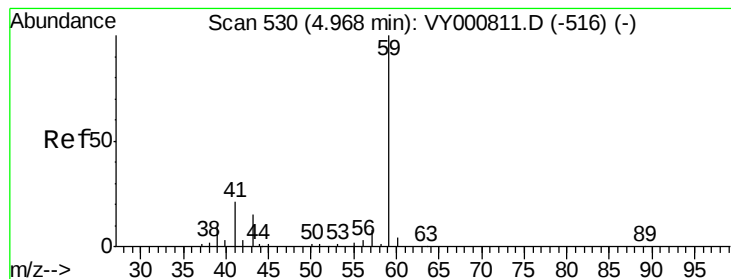
Tot Ion:168 Resp: 279729
Ion Ratio Lower Upper
168 100
99 58.5 45.0 67.6



#3
Chloromethane
Concen: 1.059 ug/l
RT: 2.11 min Scan# 61
Delta R.T. -0.01 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

Tgt Ion: 50 Resp: 3930
Ion Ratio Lower Upper
50 100
52 25.4 26.0 39.0#



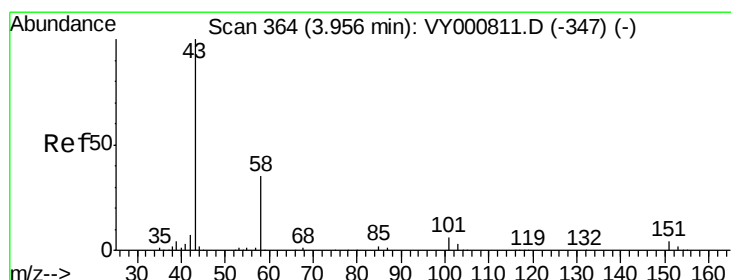
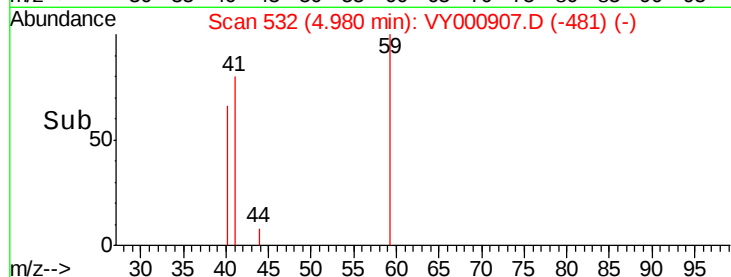
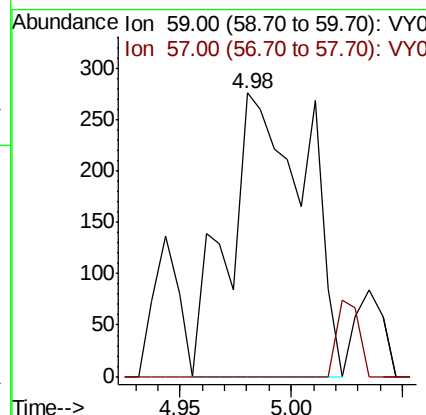
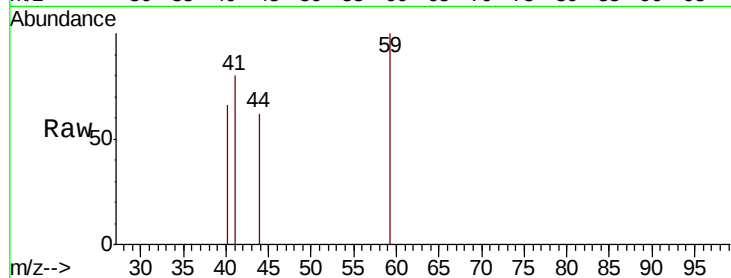


#11

Tert butyl alcohol
 Concen: 2.251 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY000907.D
 Acq: 09 Dec 2019 11:35

Instrument :
 MSVOA_Y
 ClientSampled :

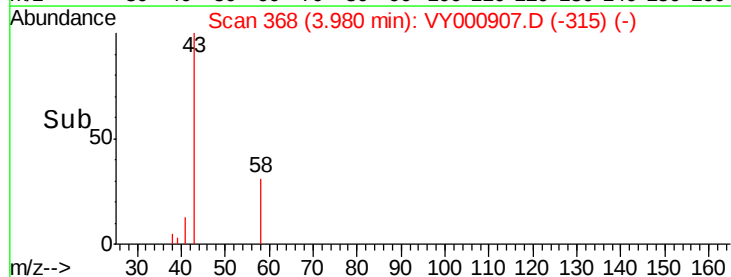
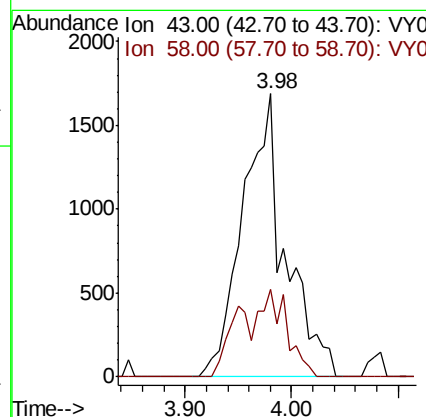
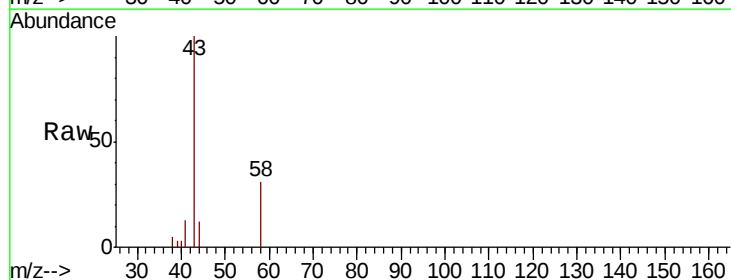
Tot Ion: 59 Resp: 673
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

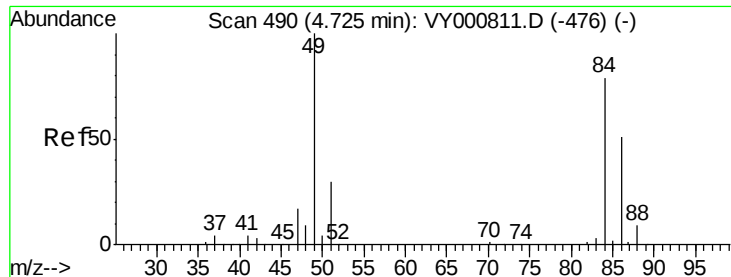


#16

Acetone
 Concen: 6.924 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VY000907.D
 Acq: 09 Dec 2019 11:35

Tgt Ion: 43 Resp: 4721
 Ion Ratio Lower Upper
 43 100
 58 30.7 28.0 42.0

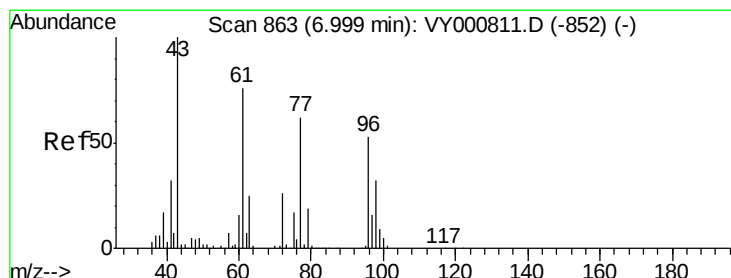
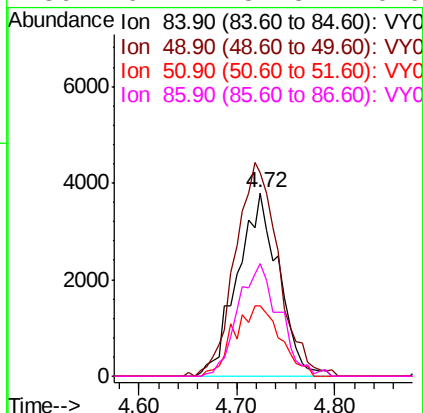
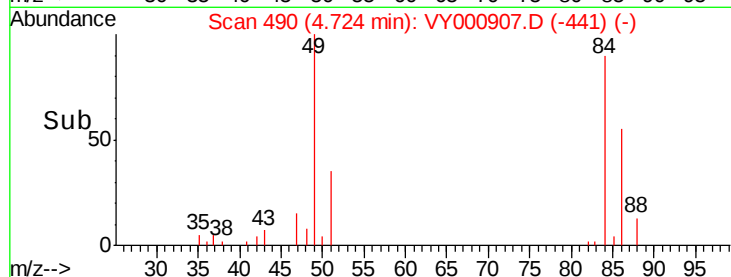
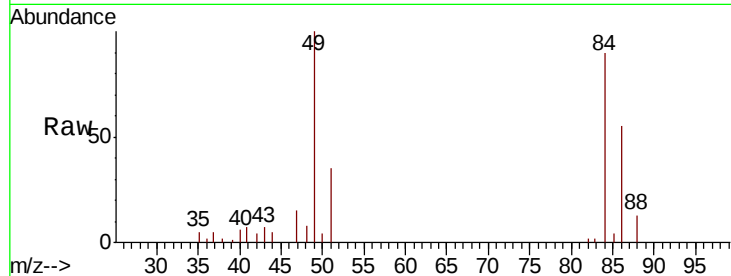




#20
Methvlene Chloride
Concen: 3.097 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

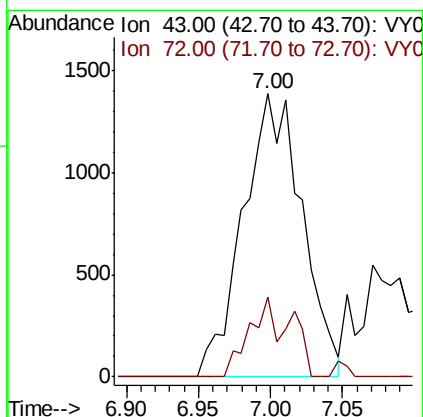
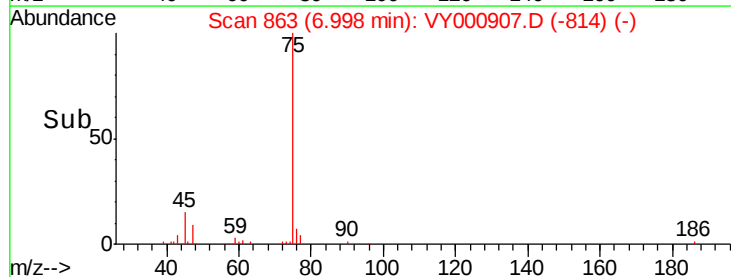
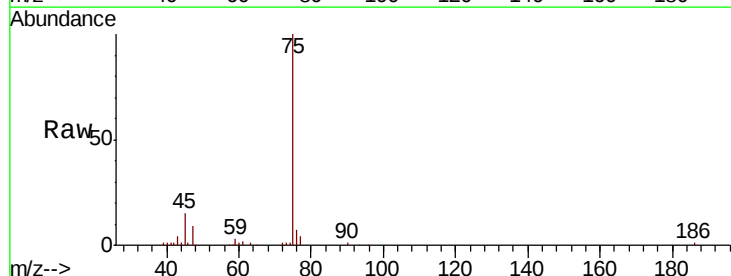
Instrument :
MSVOA_Y
ClientSampleId :

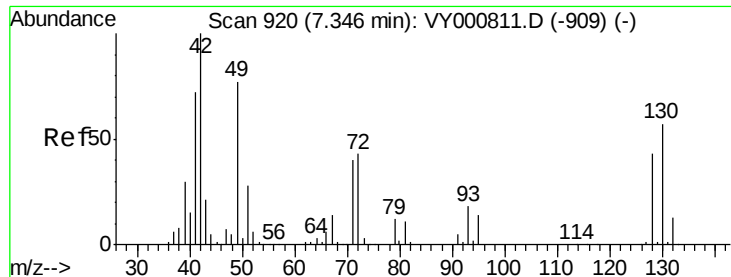
Tot Ion: 84 Resp: 11132
Ion Ratio Lower Upper
84 100
49 110.6 101.3 151.9
51 38.7 30.6 45.8
86 61.1 51.3 76.9



#25
2-Butanone
Concen: 3.125 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

Tgt Ion: 43 Resp: 3936
Ion Ratio Lower Upper
43 100
72 28.1 21.0 31.4





#28

Bromochloromethane

Concen: 2.053 ug/l

RT: 7.51 min Scan# 947

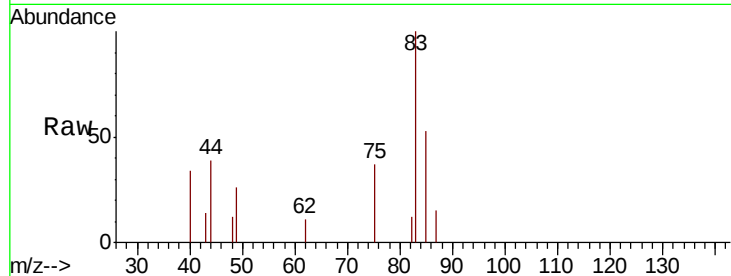
Delta R.T. 0.16 min

Lab File: VY000907.D

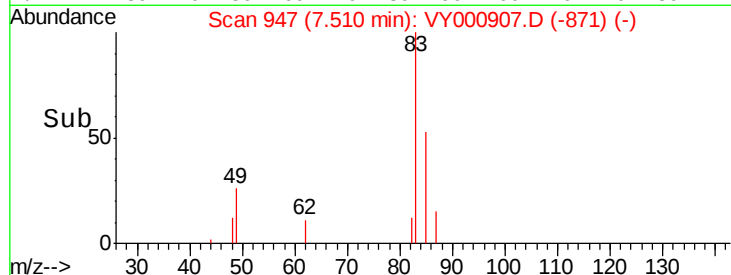
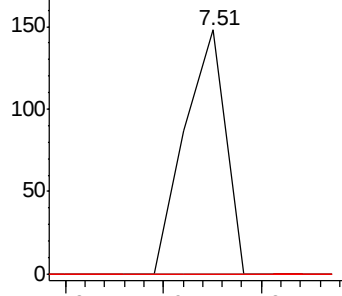
Acq: 09 Dec 2019 11:35

Instrument :
MSVOA_Y
ClientSampleId :

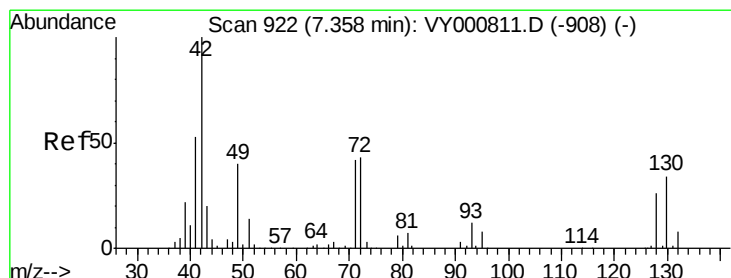
Tot Ion: 49 Resp: 86
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



Time-->



#29

Tetrahydrofuran

Concen: 1.185 ug/l

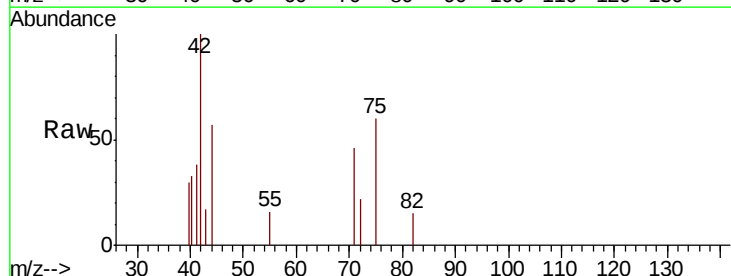
RT: 7.37 min Scan# 924

Delta R.T. 0.01 min

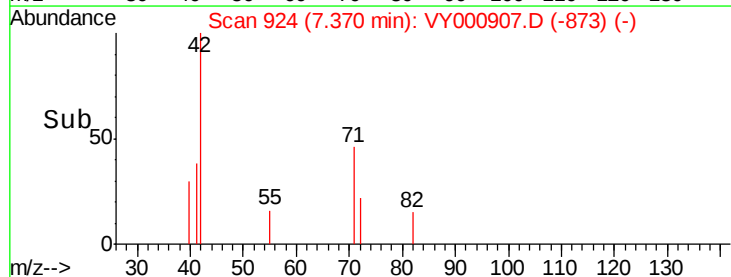
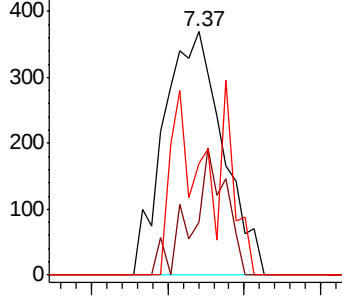
Lab File: VY000907.D

Acq: 09 Dec 2019 11:35

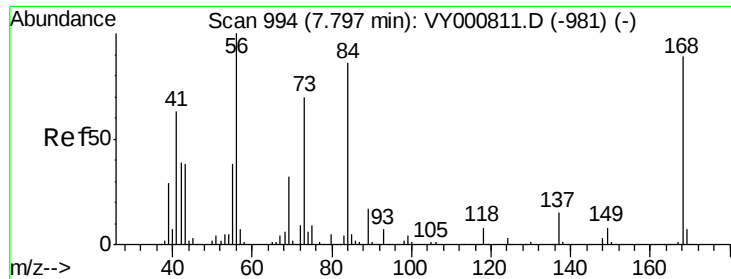
Tgt Ion: 42 Resp: 989
Ion Ratio Lower Upper
42 100
72 30.3 35.1 52.7#
71 17.2 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



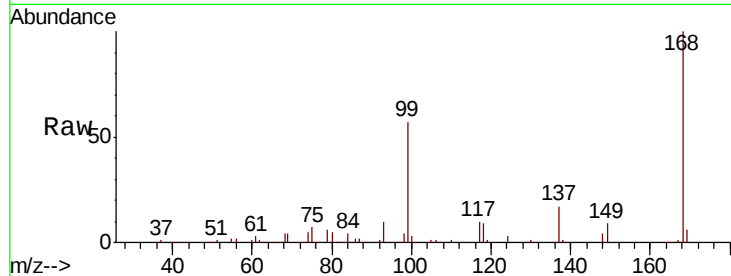
Time-->



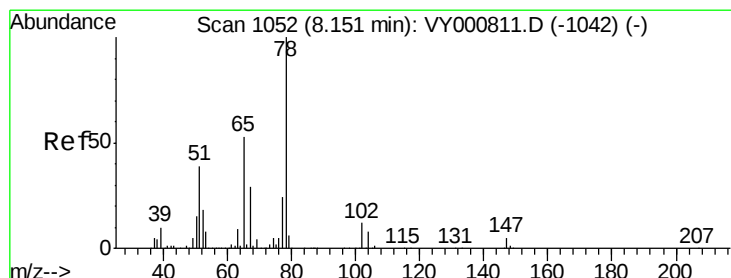
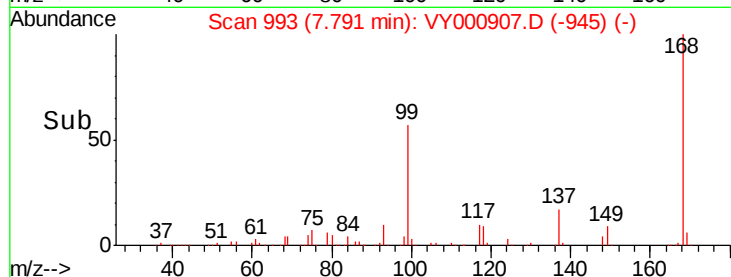
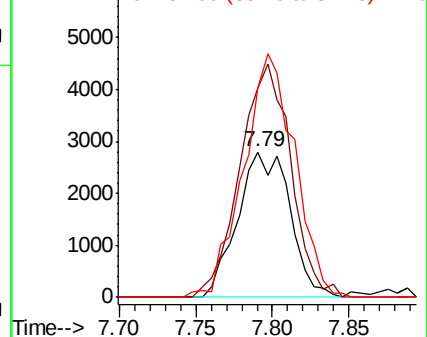
#31
Cyclohexane
Concen: 1.058 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 6677
Ion Ratio Lower Upper
56 100
69 143.4 25.9 38.9#
84 140.3 68.6 102.8#

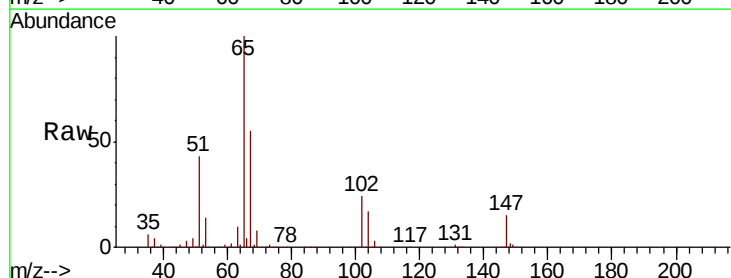


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

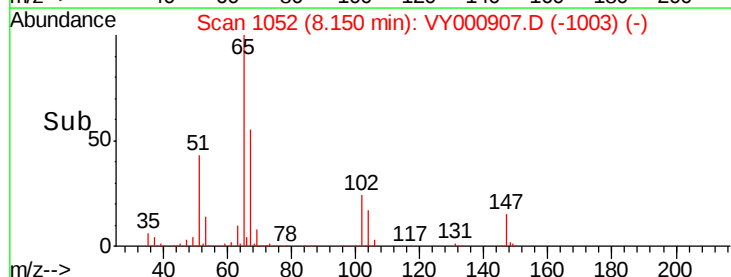
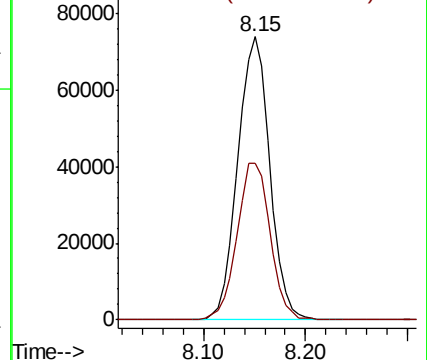


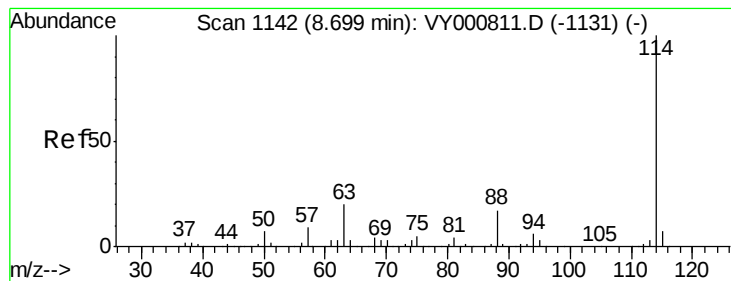
#33
1,2-Dichloroethane-d4
Concen: 53.945 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

Tgt Ion: 65 Resp: 160343
Ion Ratio Lower Upper
65 100
67 57.5 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000907.D

Acq: 09 Dec 2019 11:35

Instrument :
MSVOA_Y
ClientSampleId :

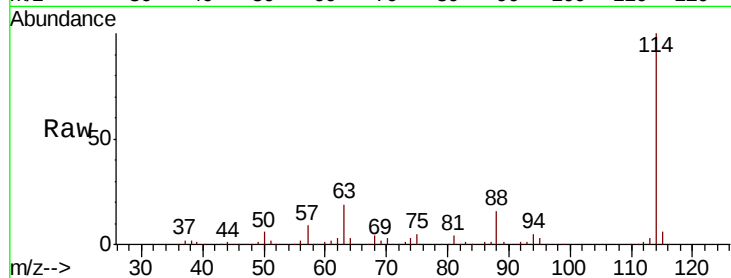
Tot Ion:114 Resp: 514728

Ion Ratio Lower Upper

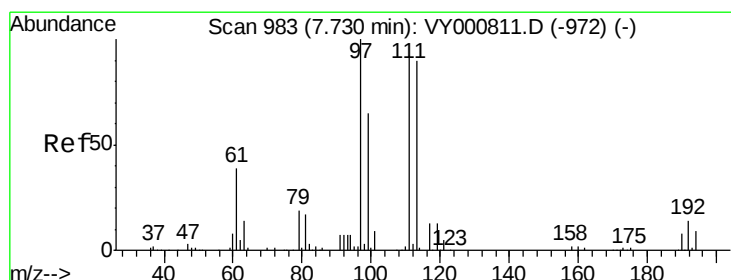
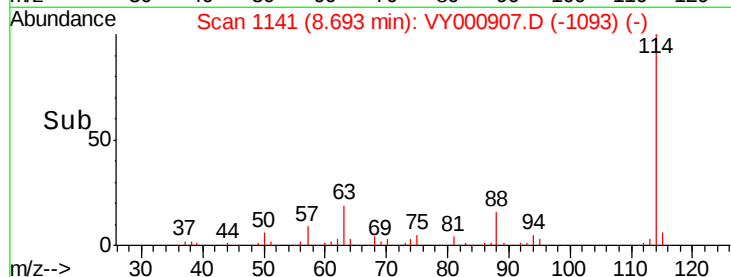
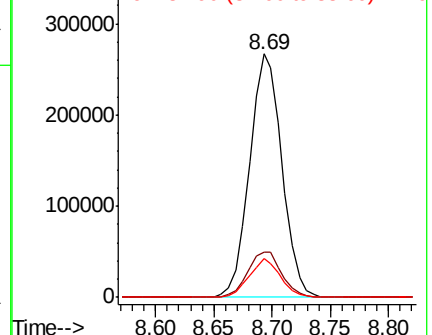
114 100

63 18.7 0.0 39.8

88 15.8 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: 50.609 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000907.D

Acq: 09 Dec 2019 11:35

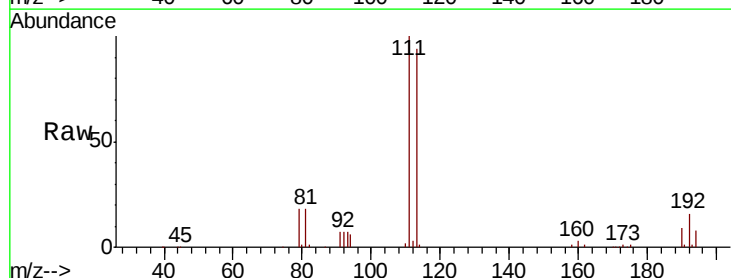
Tgt Ion:113 Resp: 151819

Ion Ratio Lower Upper

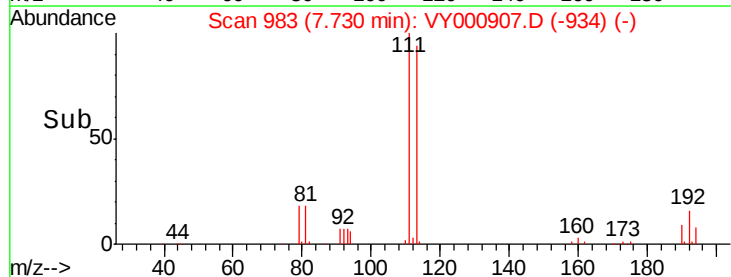
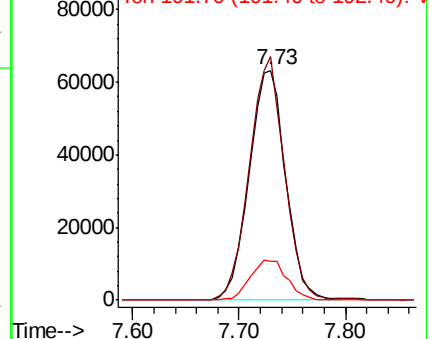
113 100

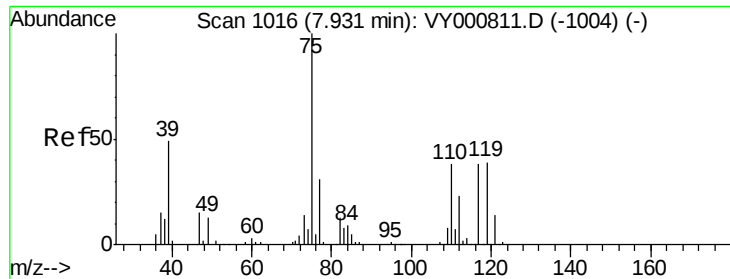
111 101.6 82.4 123.6

192 17.6 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

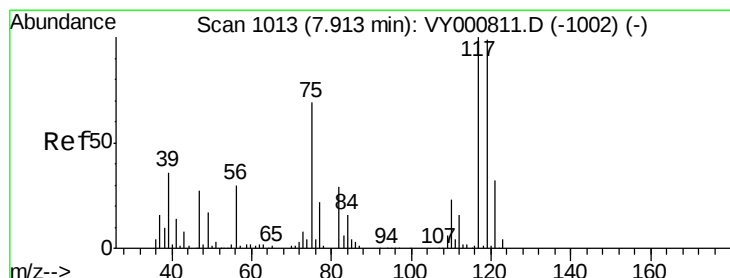
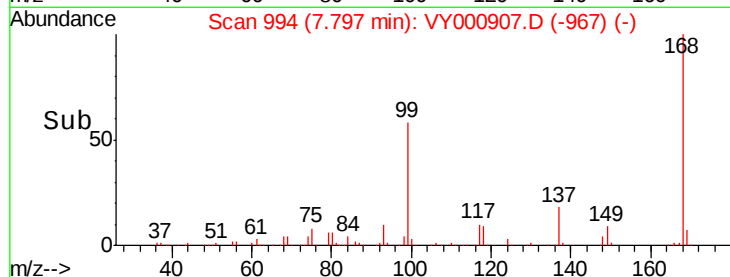
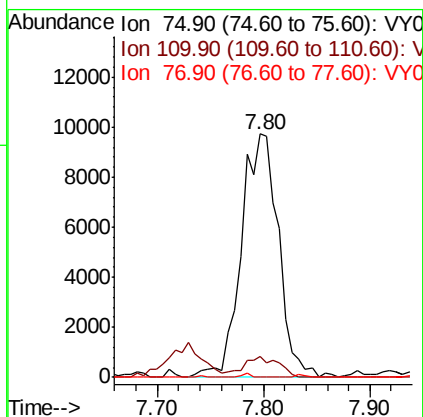
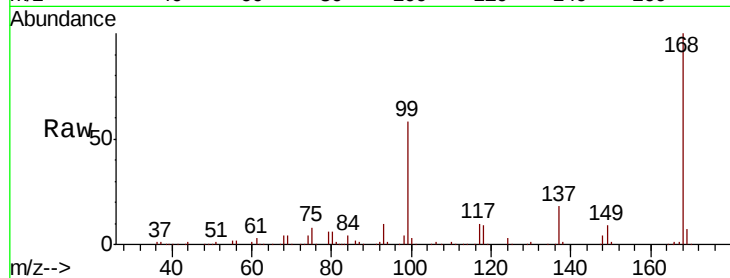




#36
 1,1-Dichloropropene
 Concen: 4.642 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000907.D
 Acq: 09 Dec 2019 11:35

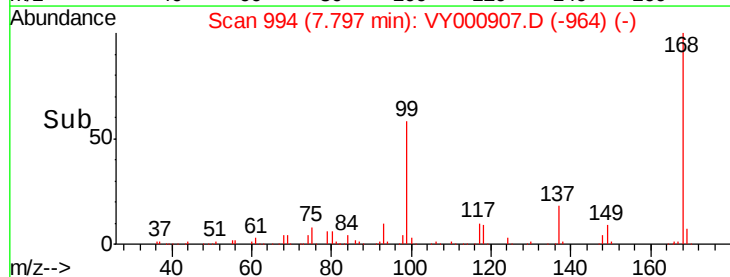
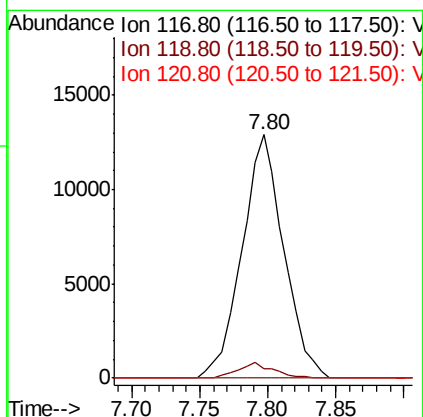
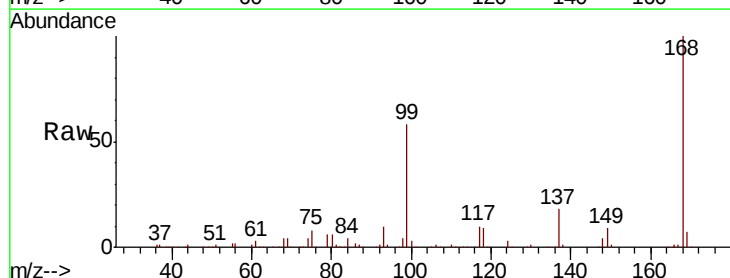
Instrument :
 MSVOA_Y
 ClientSampleId :

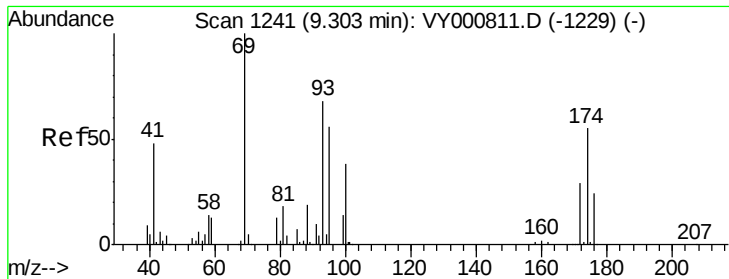
Tot Ion: 75 Resp: 23758
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.9 53.7#
 77 0.4 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.067 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000907.D
 Acq: 09 Dec 2019 11:35

Tgt Ion: 117 Resp: 27653
 Ion Ratio Lower Upper
 117 100
 119 4.1 79.3 118.9#
 121 0.0 25.5 38.3#

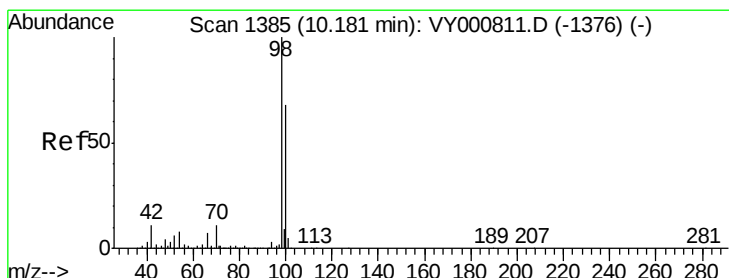
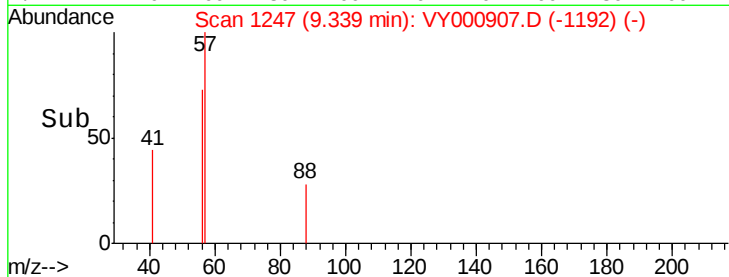
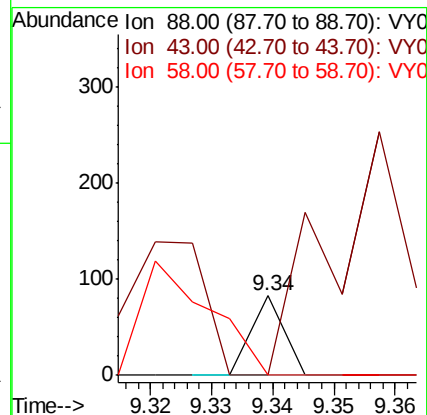
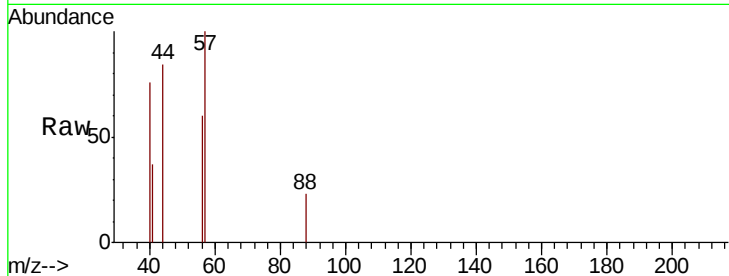




#49
1,4-Dioxane
Concen: 1.082 ug/l
RT: 9.34 min Scan# 1247
Delta R.T. 0.04 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

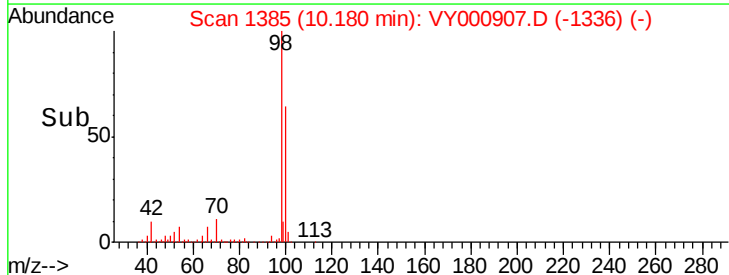
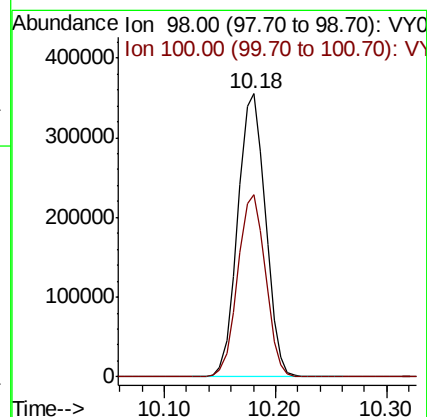
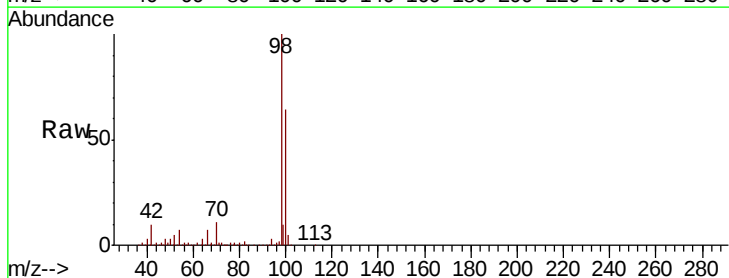
Instrument :
MSVOA_Y
ClientSampleId :

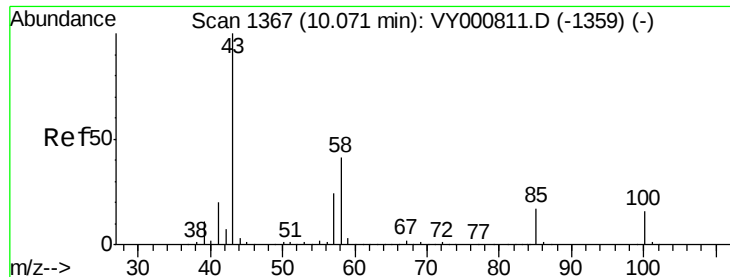
Tot Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 410.0 21.1 31.7#
58 310.0 50.7 76.1#



#50
Toluene-d8
Concen: 51.074 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

Tgt Ion: 98 Resp: 612538
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.100 ug/l

RT: 10.06 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VY000907.D

Acq: 09 Dec 2019 11:35

Instrument :

MSVOA_Y

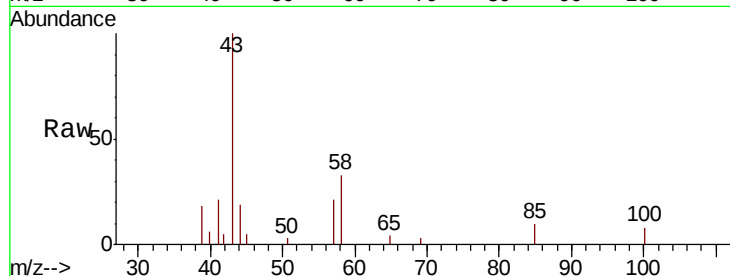
ClientSampled :

Tot Ion: 43 Resp: 3165

Ion Ratio Lower Upper

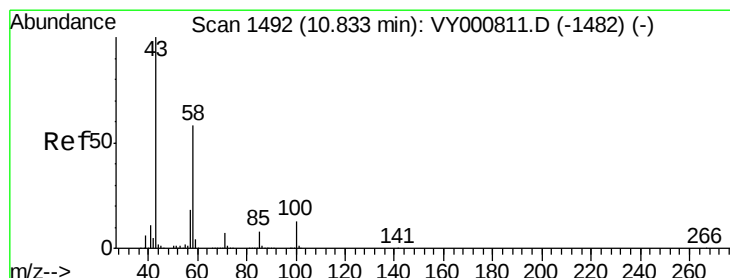
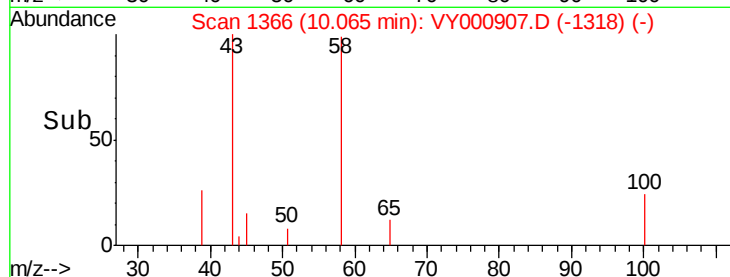
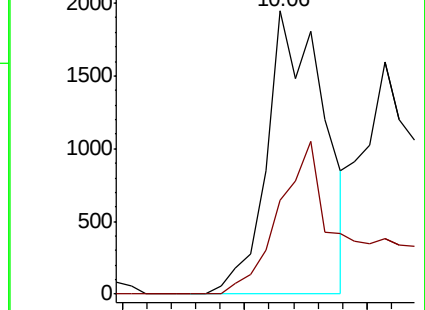
43 100

58 52.5 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VY000907.D (-1366) (-)

Ion 58.00 (57.70 to 58.70): VY000907.D (-1366) (-)



#59

2-Hexanone

Concen: 1.125 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000907.D

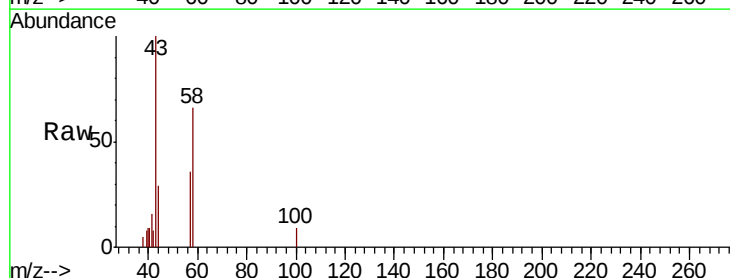
Acq: 09 Dec 2019 11:35

Tgt Ion: 43 Resp: 2359

Ion Ratio Lower Upper

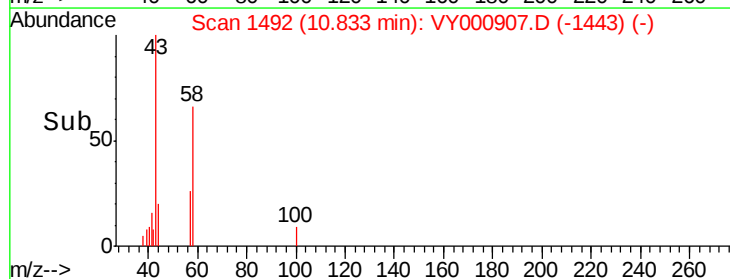
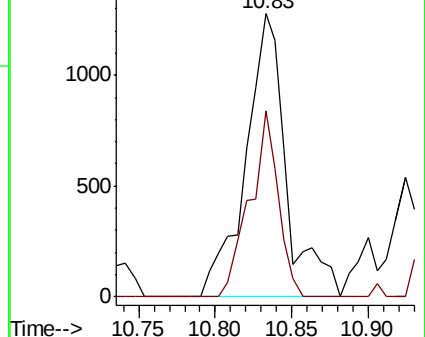
43 100

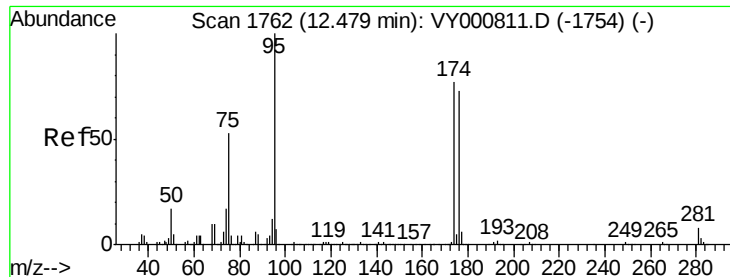
58 45.9 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VY000907.D (-1492) (-)

Ion 58.00 (57.70 to 58.70): VY000907.D (-1492) (-)

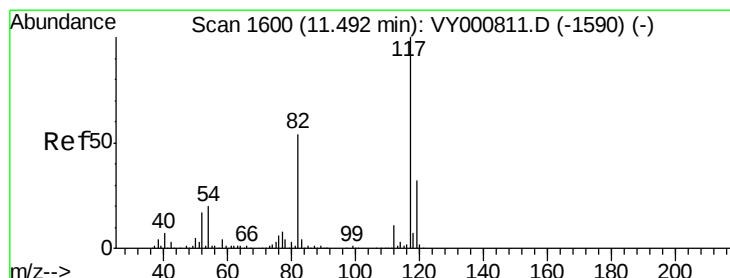
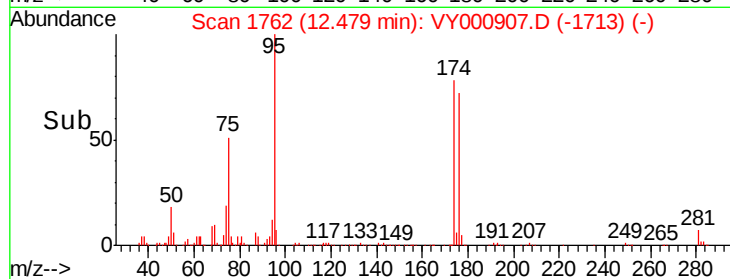
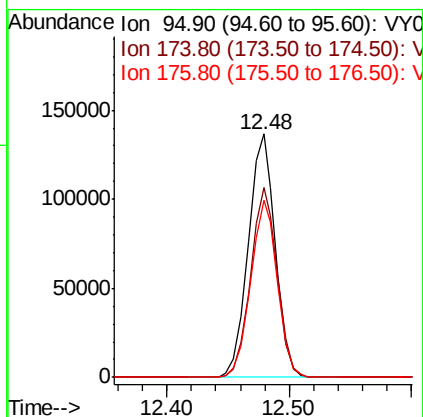
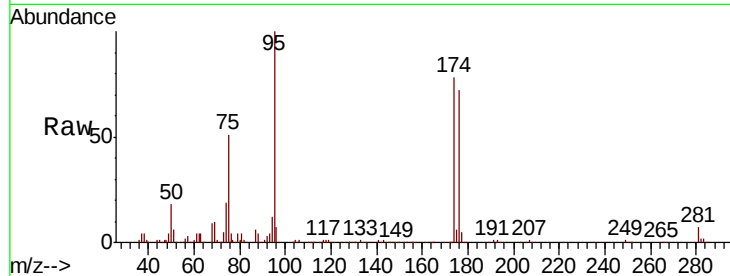




#62
4-Bromofluorobenzene
Concen: 46.337 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

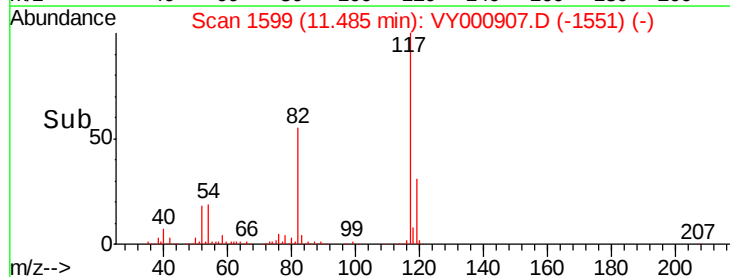
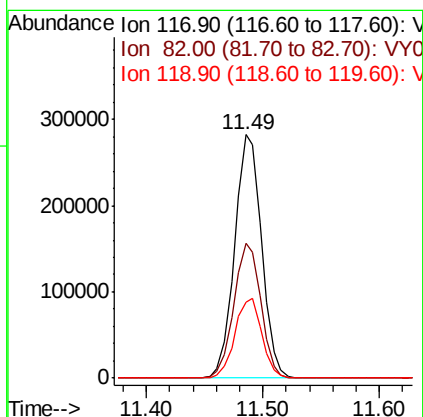
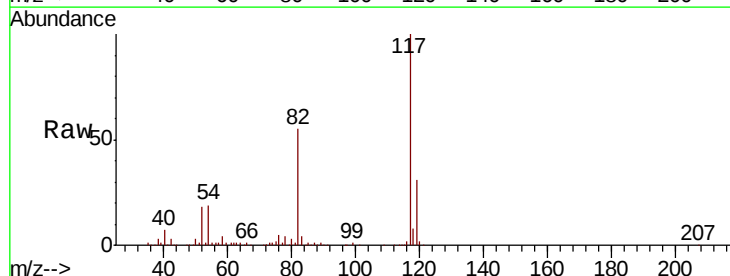
Instrument :
MSVOA_Y
ClientSampled :

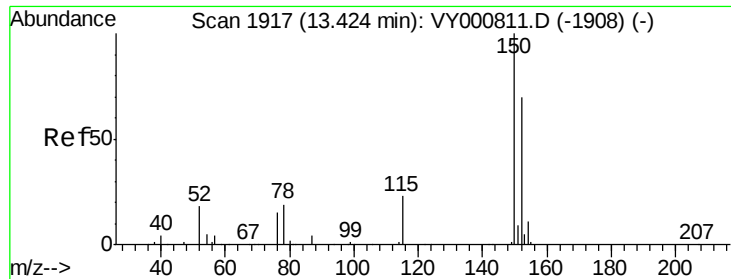
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	150.6
176	72.0	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.1	64.7
119	31.3	25.3	37.9



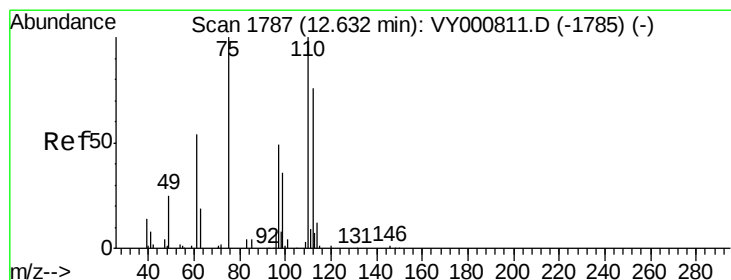
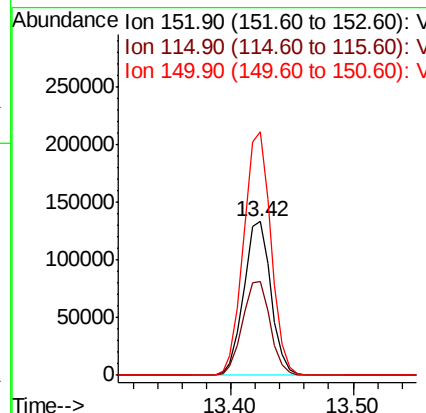
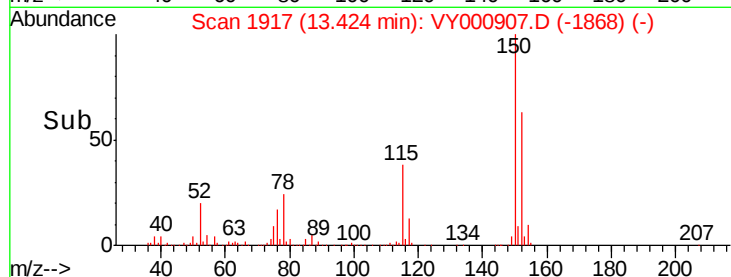
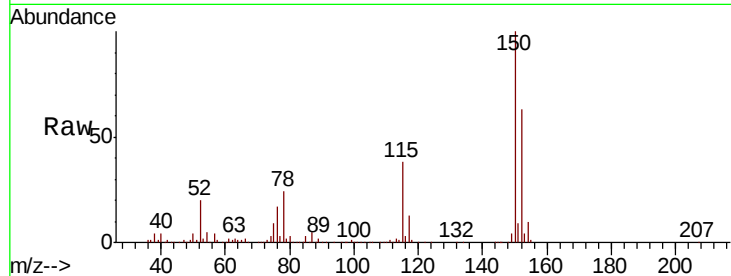


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

Instrument :
MSVOA_Y
ClientSampled :

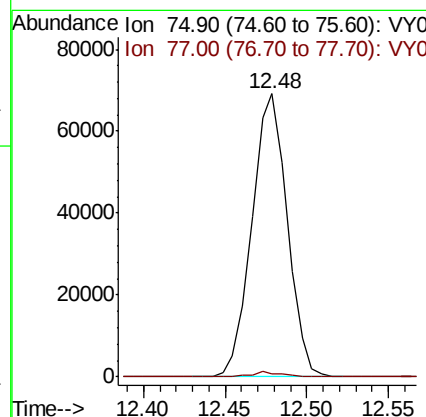
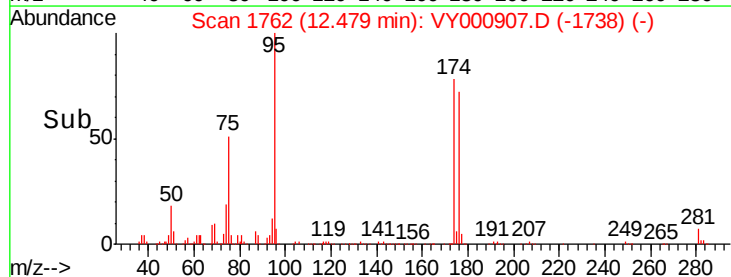
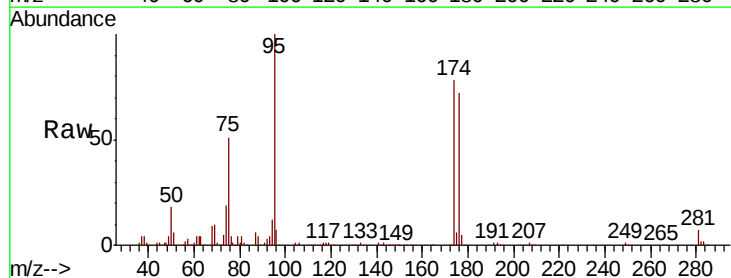
Tot Ion	Ratio	Lower	Upper
152	100		
115	62.2	29.3	87.8
150	159.6	0.0	351.2

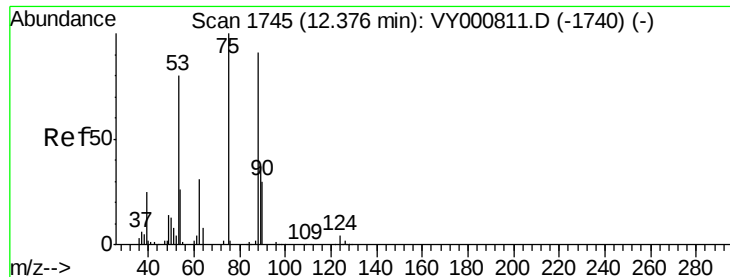


#76

1,2,3-Trichloropropane
Concen: 45.190 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000907.D
Acq: 09 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 88.767 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000907.D

Acq: 09 Dec 2019 11:35

Instrument :

MSVOA_Y

ClientSampleId :

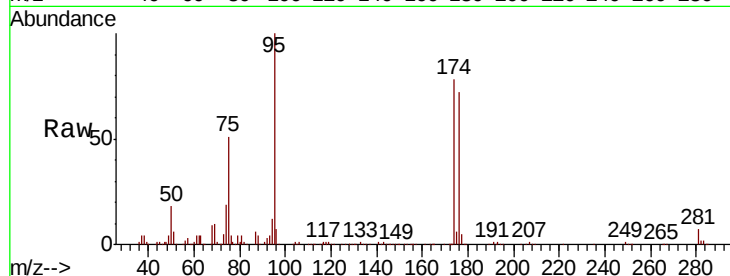
Tot Ion: 75 Resp: 104457

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

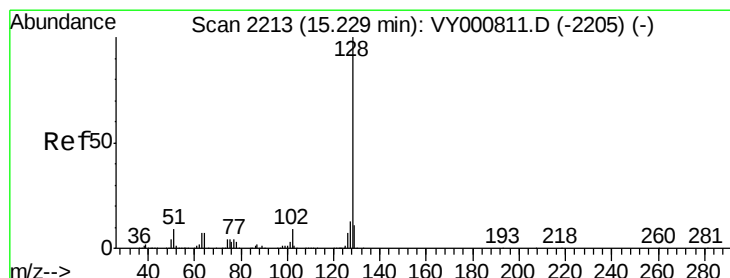
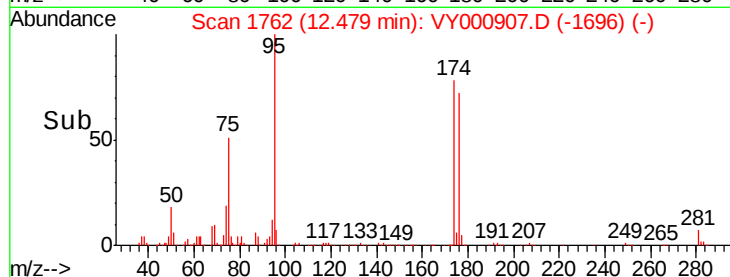
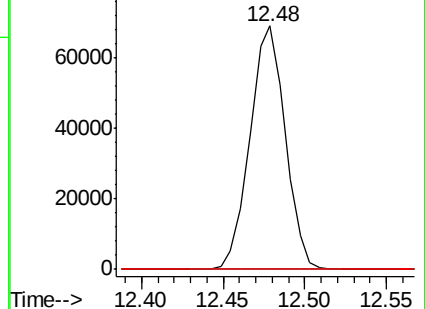
89 0.3 33.6 50.4#



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: 1.015 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY000907.D

Acq: 09 Dec 2019 11:35

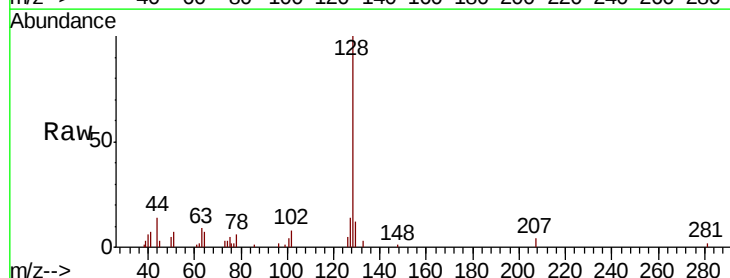
Tgt Ion: 128 Resp: 9905

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 8.9 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

