

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000062.D
 Acq On : 18 Sep 2019 15:56
 Operator : SY/MD
 Sample : VY0918SBL03
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 04:15:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:28:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	105963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	212026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	182576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	77519	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	62442	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.72	113	60397	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
50) Toluene-d8	10.18	98	253959	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.48	95	86047	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	

Target Compounds

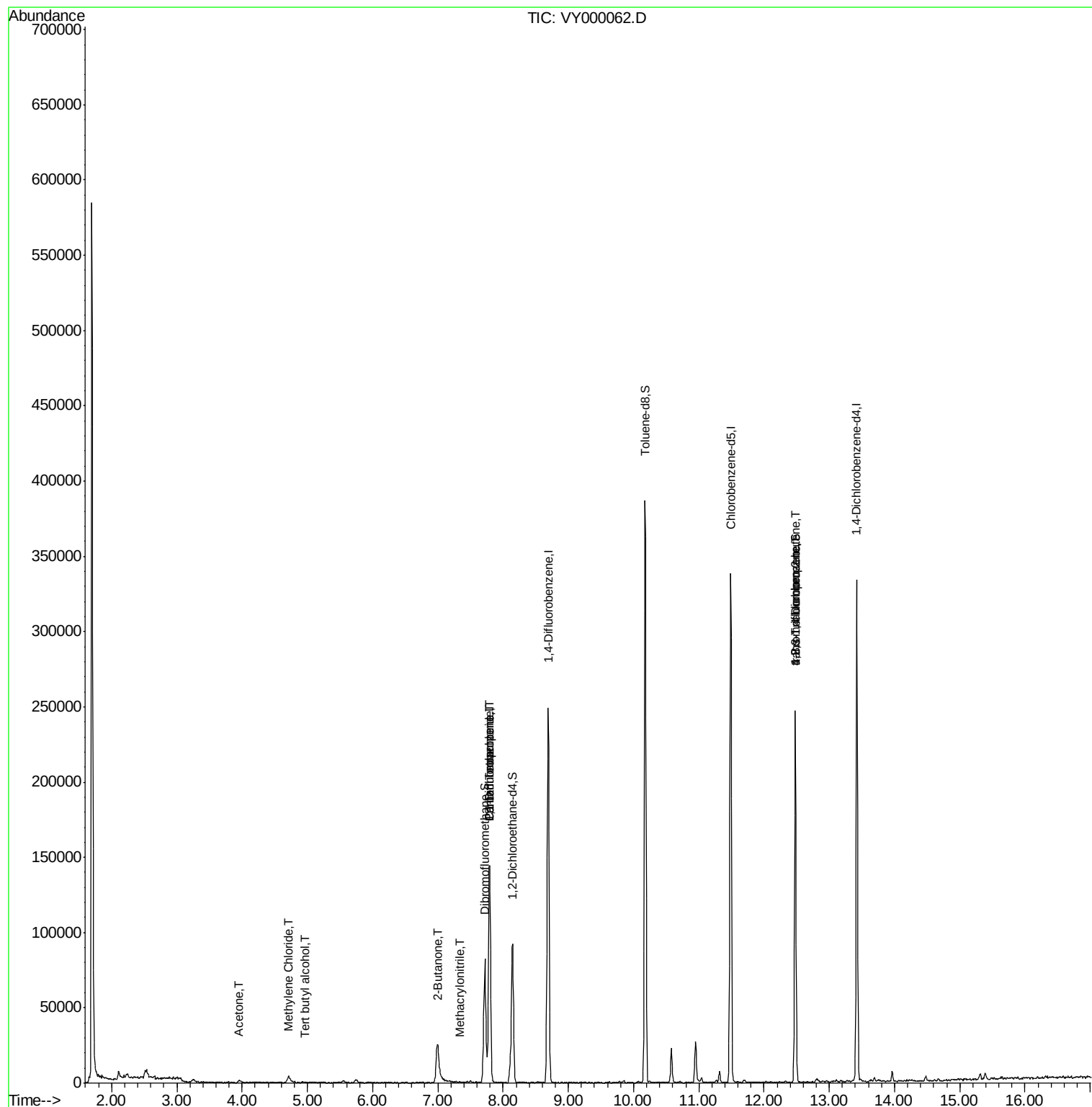
						Qvalue
2) Dichlorodifluoromethane	1.76	85	22	Below Cal	#	42
3) Chloromethane	2.11	50	4190	Below Cal		93
5) Bromomethane	2.65	94	67	Below Cal	#	6
11) Tert butyl alcohol	4.96	59	170	1.176 ug/l	#	73
13) Acrolein	3.79	56	105	Below Cal		87
16) Acetone	3.96	43	2127	7.493 ug/l	#	76
20) Methylene Chloride	4.71	84	3087	2.312 ug/l		84
25) 2-Butanone	6.99	43	830	1.614 ug/l	#	71
31) Cyclohexane	7.79	56	3212	Below Cal	#	35
36) 1,1-Dichloropropene	7.79	75	10806	6.816 ug/l	#	43
38) Carbon Tetrachloride	7.79	117	11581	7.740 ug/l	#	20
41) Methacrylonitrile	7.33	41	82	4.399 ug/l	#	1
76) 1,2,3-Trichloropropane	12.48	75	42906	39.339 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.48	75	42906	75.658 ug/l	#	19

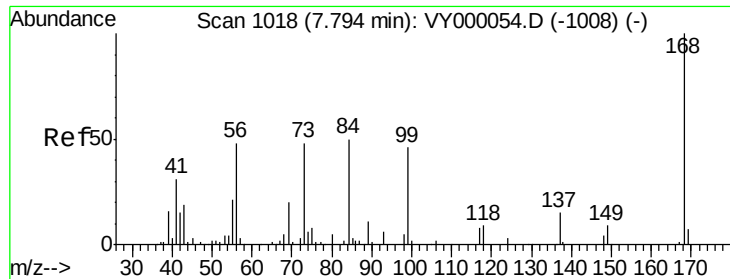
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000062.D

Acq: 18 Sep 2019 15:56

Instrument :

MSVOA_Y

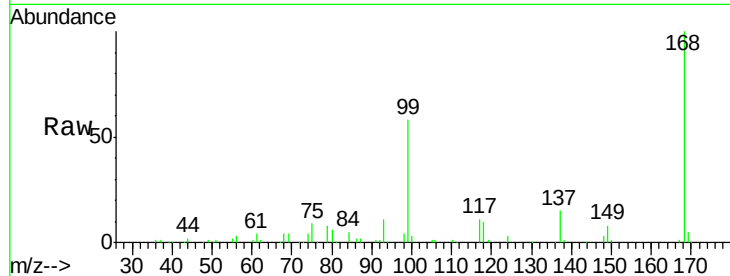
ClientSampleId :

Tot Ion:168 Resp: 105963

Ion Ratio Lower Upper

168 100

99 58.2 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.79

50000

40000

30000

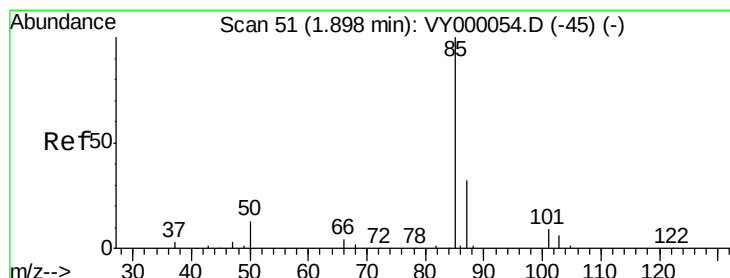
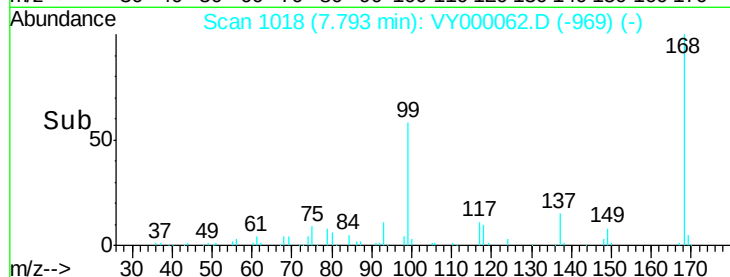
20000

10000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.76 min Scan# 29

Delta R.T. -0.13 min

Lab File: VY000062.D

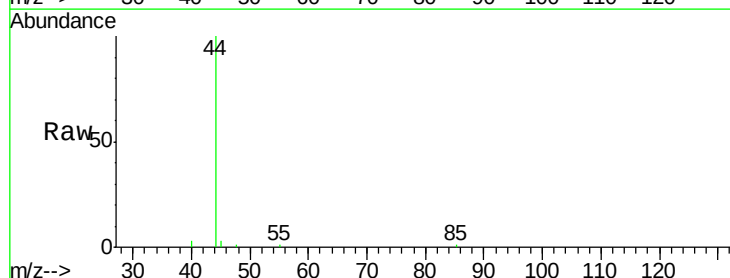
Acq: 18 Sep 2019 15:56

Tgt Ion: 85 Resp: 22

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000054.D (-45) (-)

1.76

60

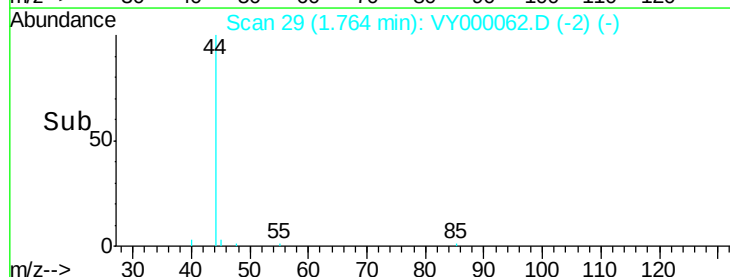
40

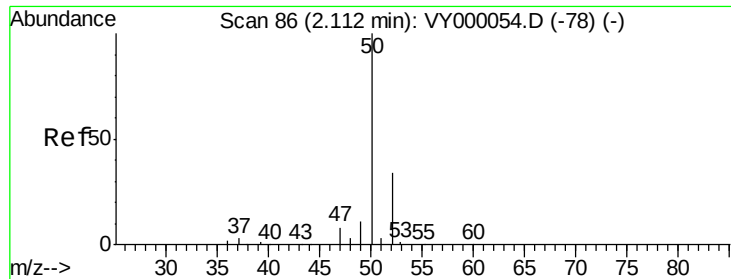
20

0

1.74 1.75 1.76 1.77 1.78

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000062.D

Acq: 18 Sep 2019 15:56

Instrument :

MSVOA_Y

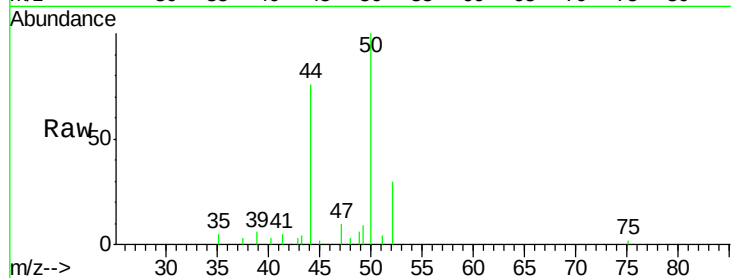
ClientSampled :

Tot Ion: 50 Resp: 4190

Ion Ratio Lower Upper

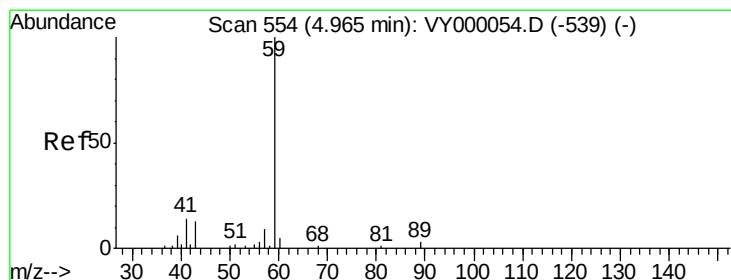
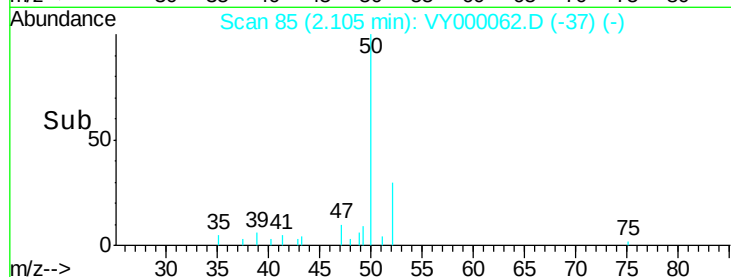
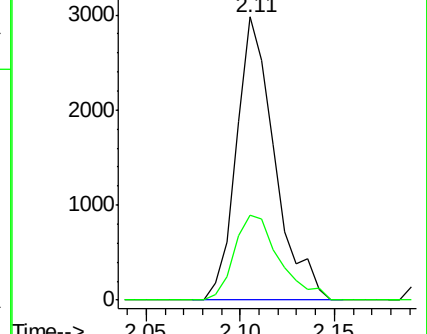
50 100

52 30.1 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#11

Tert butyl alcohol

Concen: 1.176 ug/l

RT: 4.96 min Scan# 554

Delta R.T. 0.00 min

Lab File: VY000062.D

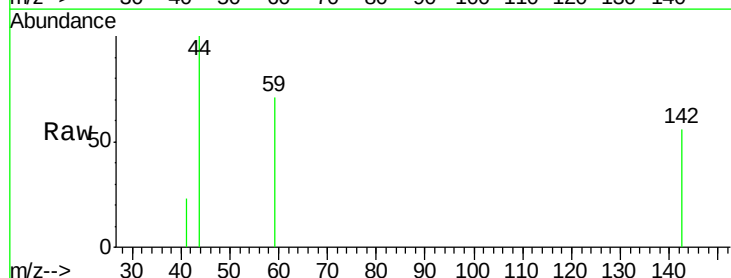
Acq: 18 Sep 2019 15:56

Tgt Ion: 59 Resp: 170

Ion Ratio Lower Upper

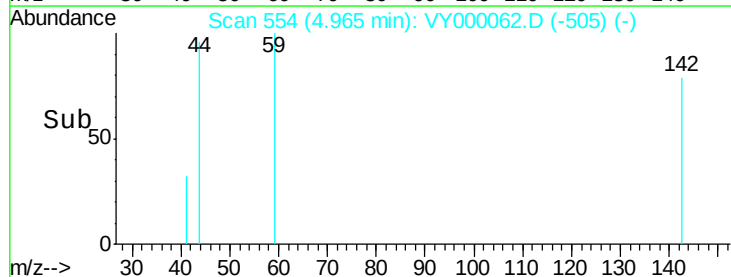
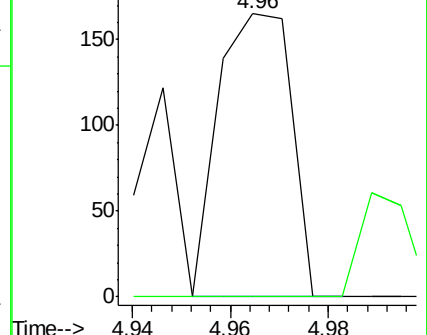
59 100

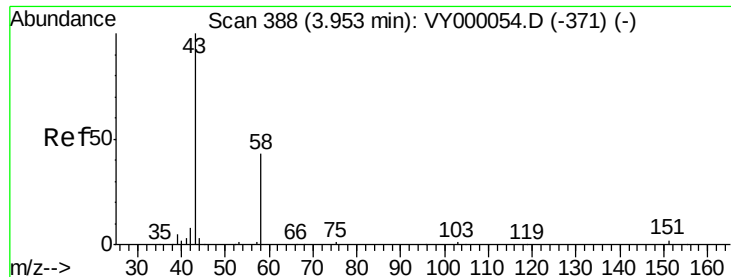
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 7.493 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000062.D

Acq: 18 Sep 2019 15:56

Instrument :

MSVOA_Y

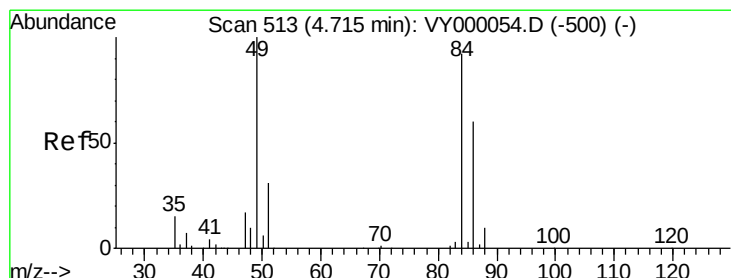
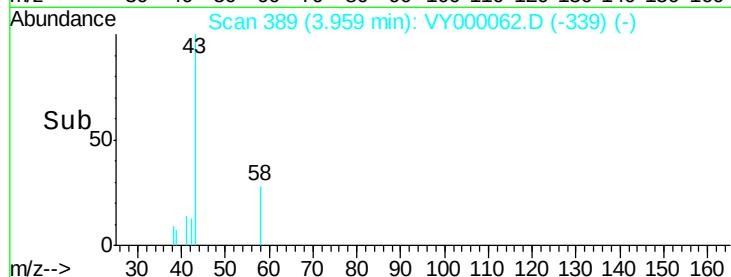
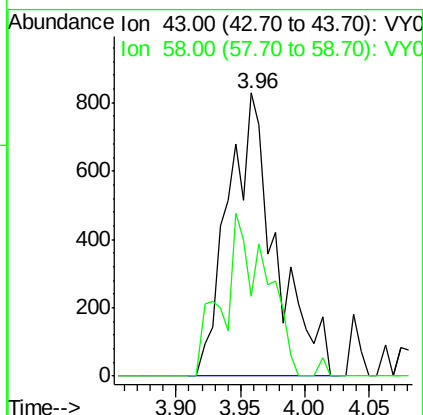
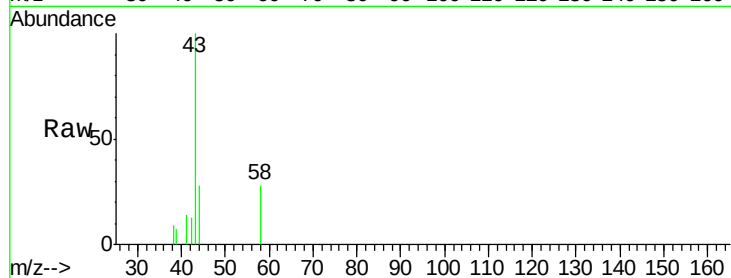
ClientSampleId :

Tot Ion: 43 Resp: 2127

Ion Ratio Lower Upper

43 100

58 28.0 34.5 51.7#



#20

Methylene Chloride

Concen: 2.312 ug/l

RT: 4.71 min Scan# 513

Delta R.T. -0.00 min

Lab File: VY000062.D

Acq: 18 Sep 2019 15:56

Tgt Ion: 84 Resp: 3087

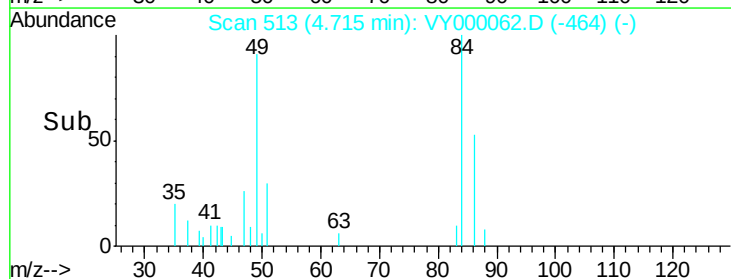
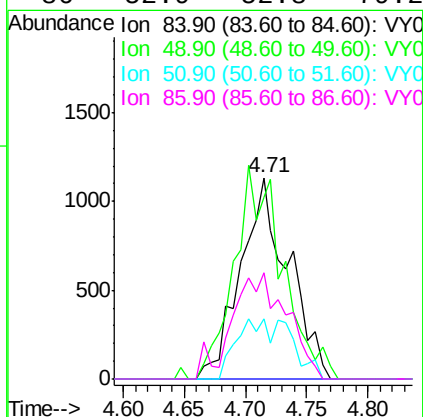
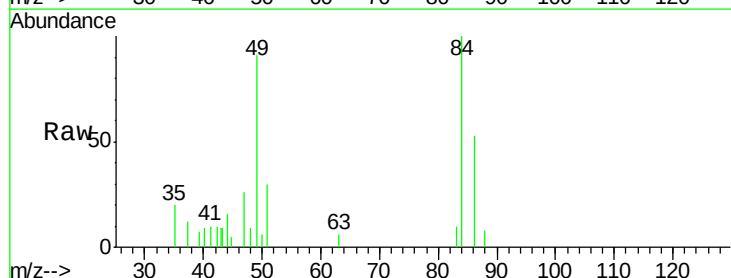
Ion Ratio Lower Upper

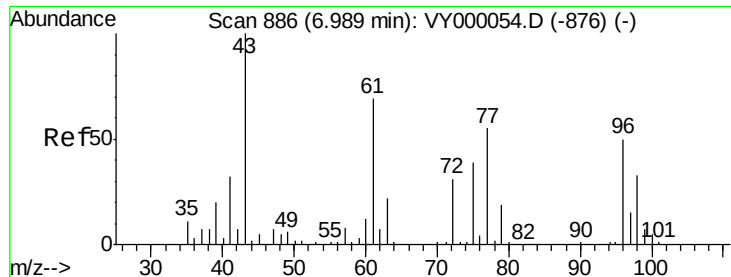
84 100

49 90.6 87.4 131.0

51 30.0 27.2 40.8

86 52.9 52.8 79.2





#25

2-Butanone

Concen: 1.614 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000062.D

Acq: 18 Sep 2019 15:56

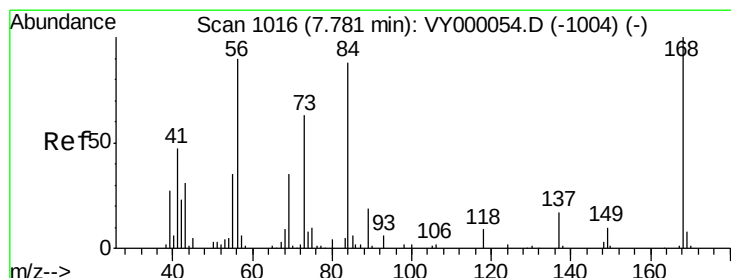
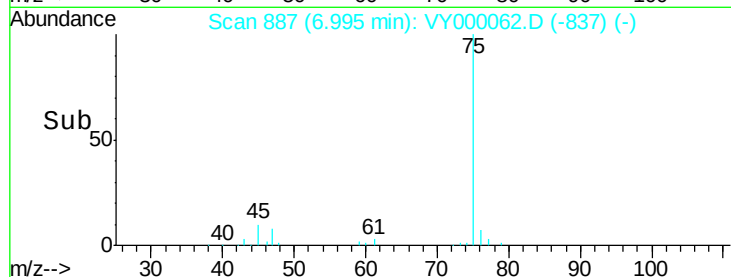
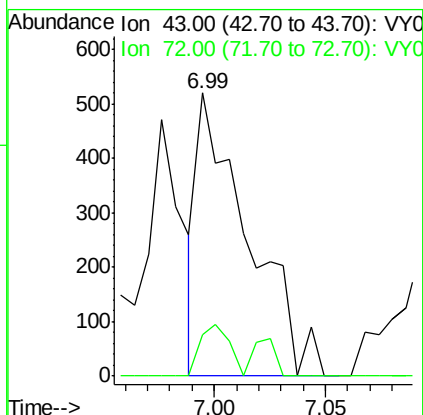
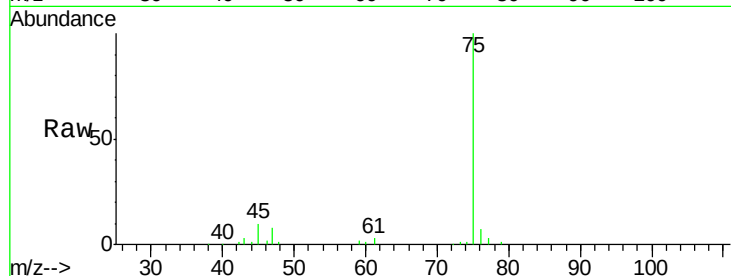
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 830

Ion Ratio Lower Upper

43 100

72 14.8 24.7 37.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000062.D

Acq: 18 Sep 2019 15:56

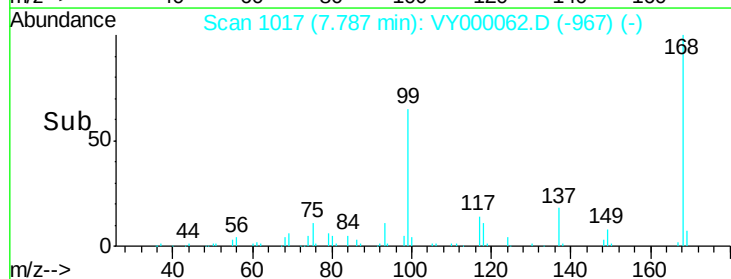
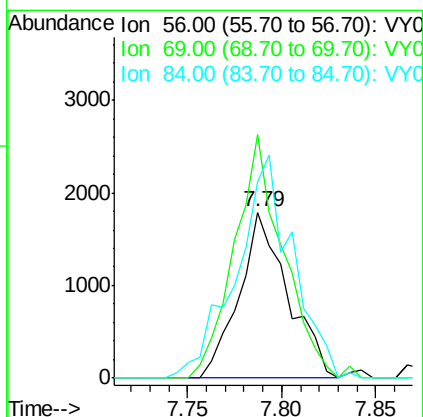
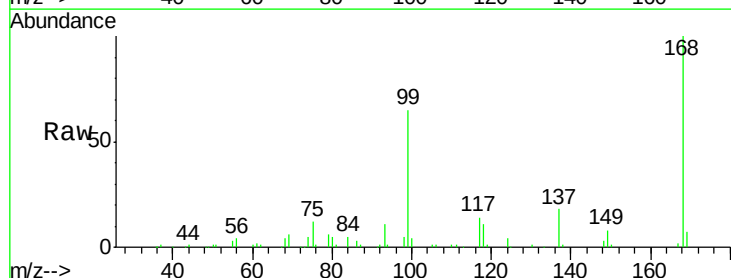
Tgt Ion: 56 Resp: 3212

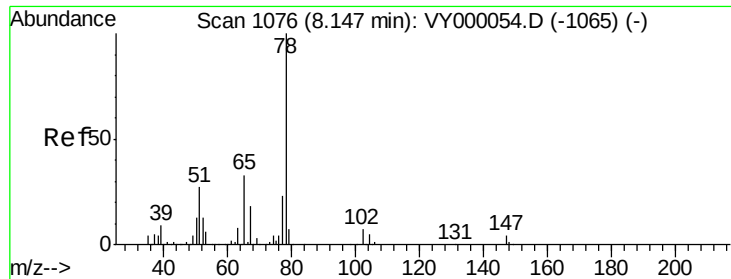
Ion Ratio Lower Upper

56 100

69 147.1 30.9 46.3#

84 118.8 78.5 117.7#

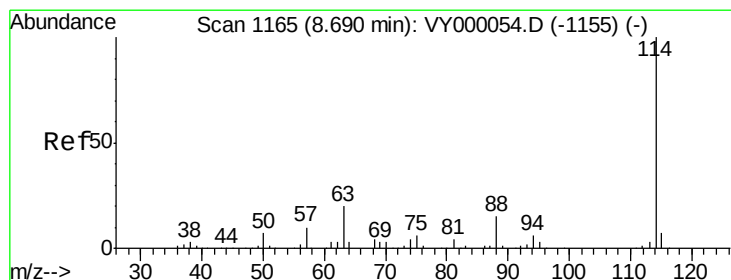
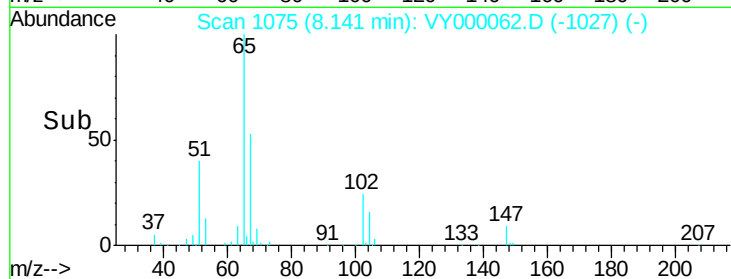
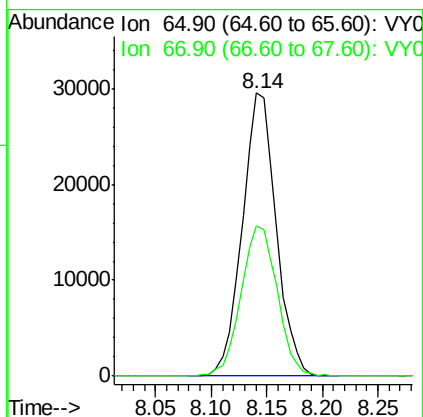
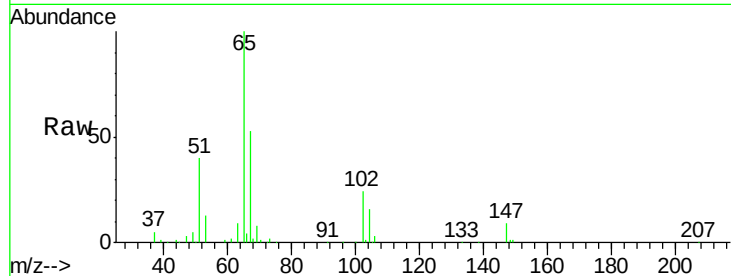




#33
 1,2-Dichloroethane-d4
 Concen: 51.219 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000062.D
 Acq: 18 Sep 2019 15:56

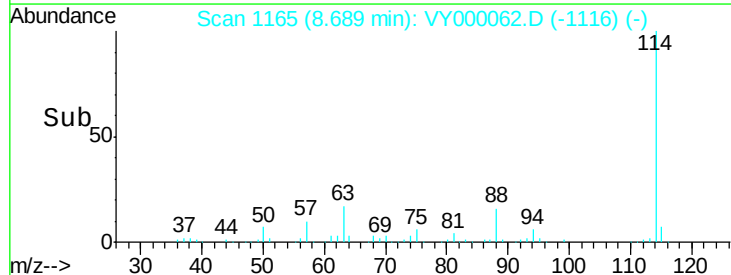
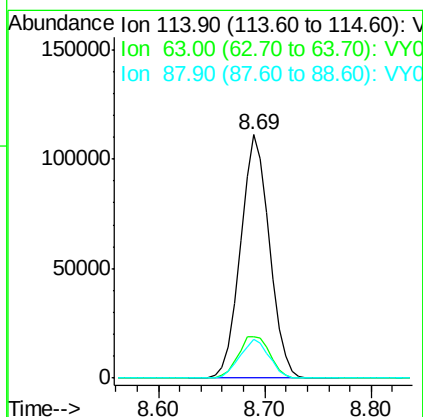
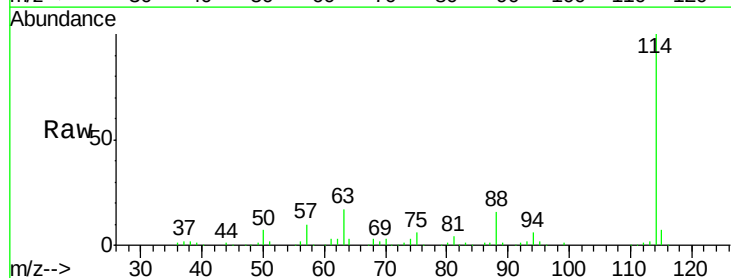
Instrument :
 MSVOA_Y
 ClientSampleId :

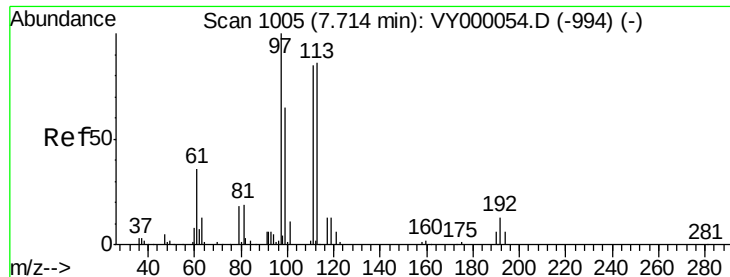
Tot Ion: 65 Resp: 62442
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000062.D
 Acq: 18 Sep 2019 15:56

Tgt Ion: 114 Resp: 212026
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 39.4
 88 15.8 0.0 30.2

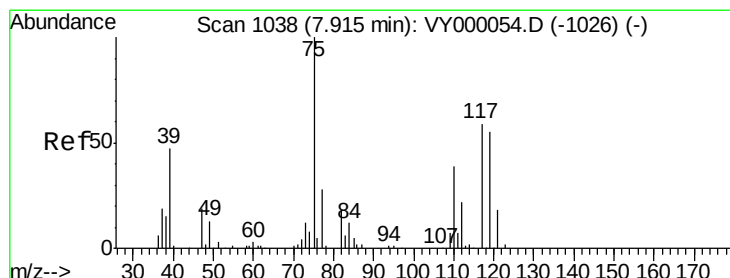
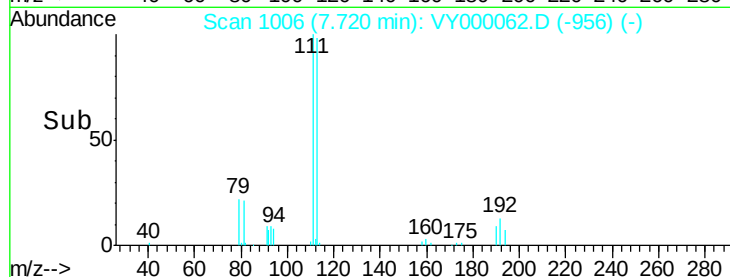
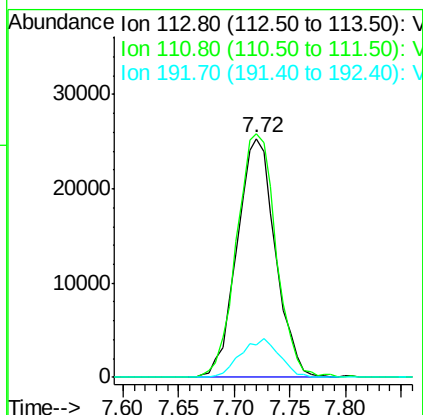
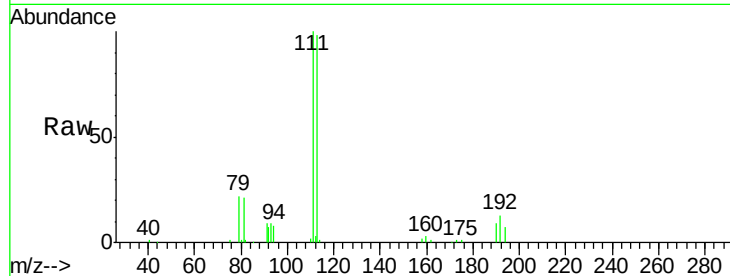




#35
 Dibromofluoromethane
 Concen: 47.047 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000062.D
 Acq: 18 Sep 2019 15:56

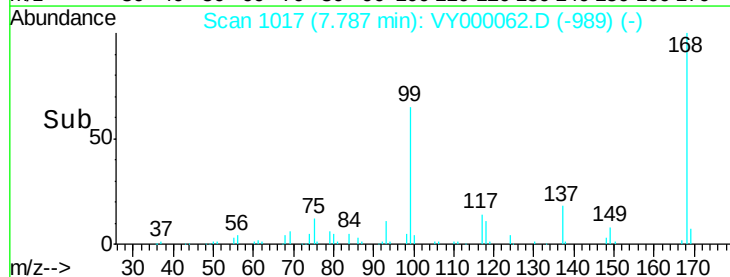
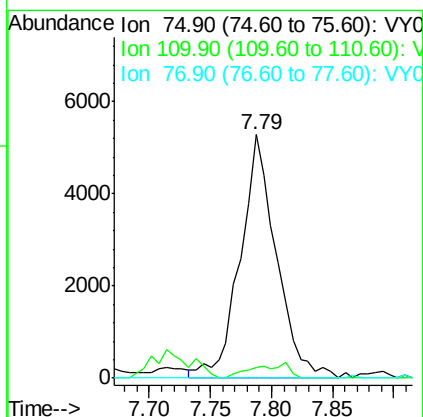
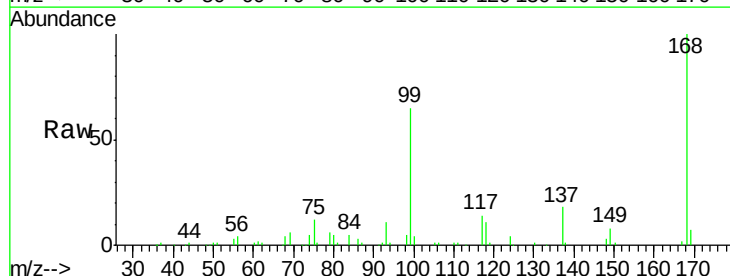
Instrument :
 MSVOA_Y
 ClientSampleId :

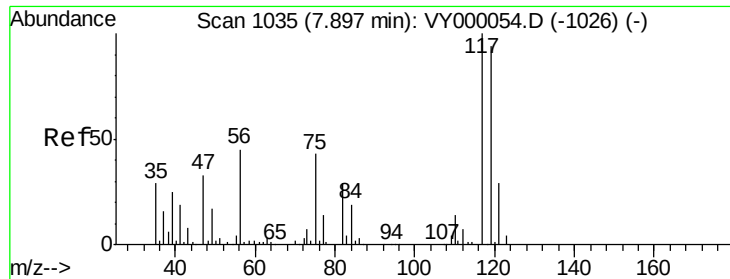
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.7	122.5
192	16.6	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 6.816 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.13 min
 Lab File: VY000062.D
 Acq: 18 Sep 2019 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.7	19.6	58.7#
77	0.0	24.3	36.5#

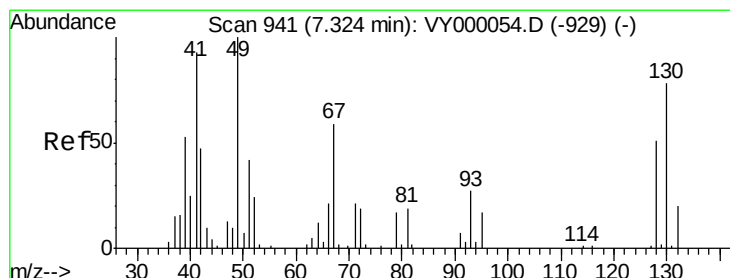
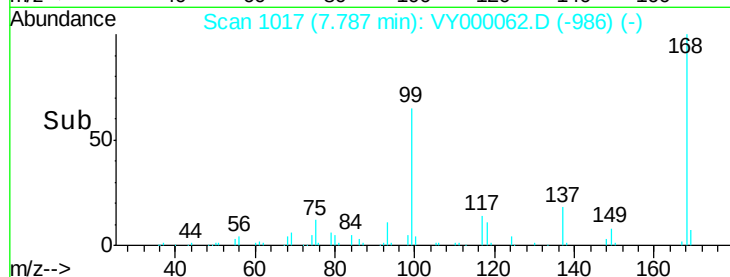
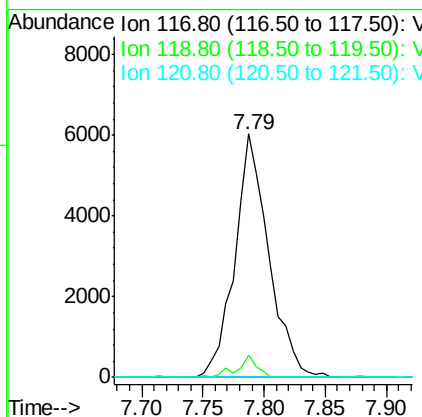
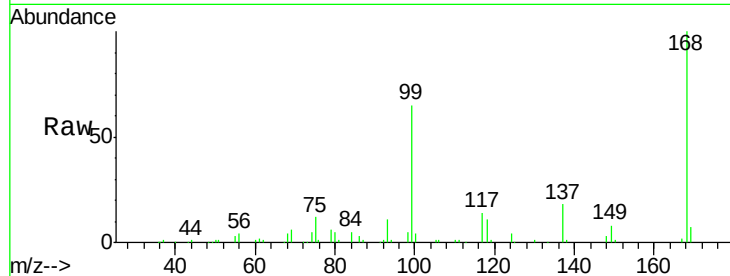




#38
 Carbon Tetrachloride
 Concen: 7.740 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.11 min
 Lab File: VY000062.D
 Acq: 18 Sep 2019 15:56

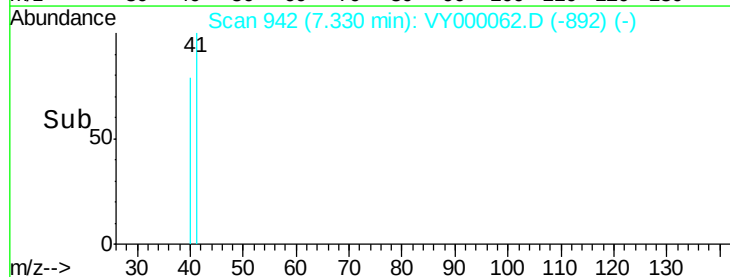
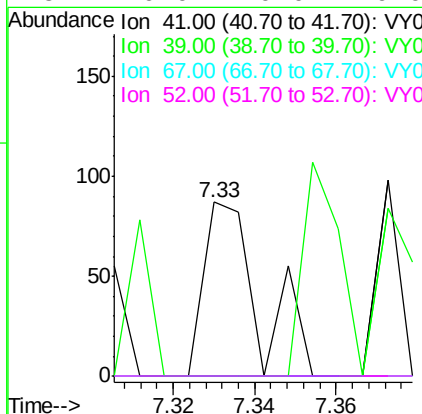
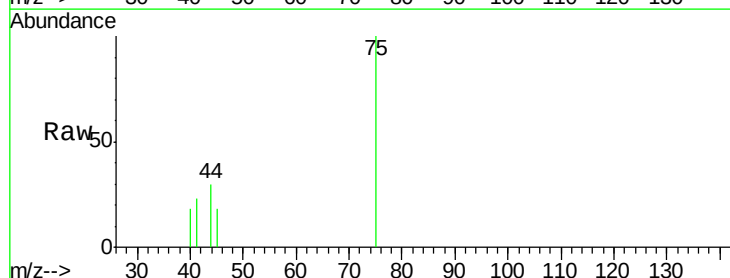
Instrument :
 MSVOA_Y
 ClientSampleId :

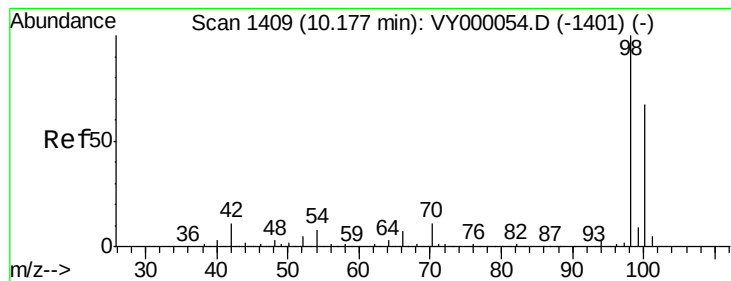
Tot Ion:117 Resp: 11581
 Ion Ratio Lower Upper
 117 100
 119 9.1 75.0 112.6#
 121 0.0 22.8 34.2#



#41
 Methacrylonitrile
 Concen: 4.399 ug/l
 RT: 7.33 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VY000062.D
 Acq: 18 Sep 2019 15:56

Tgt Ion: 41 Resp: 82
 Ion Ratio Lower Upper
 41 100
 39 0.0 91.8 137.6#
 67 0.0 0.0 0.0
 52 0.0 0.0 0.0





#50

Toluene-d8

Concen: 50.367 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000062.D

Acq: 18 Sep 2019 15:56

Instrument :

MSVOA_Y

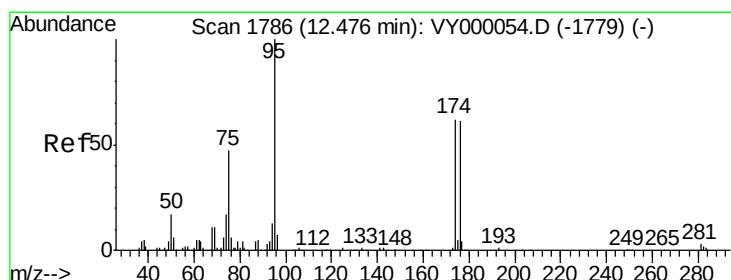
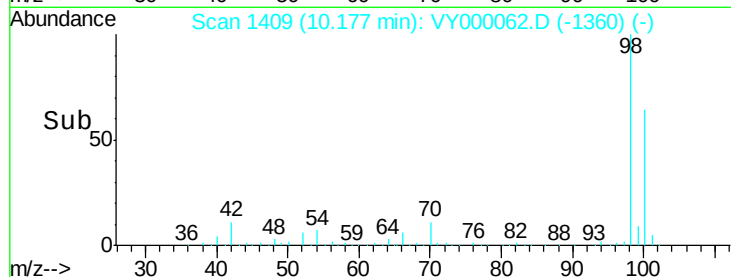
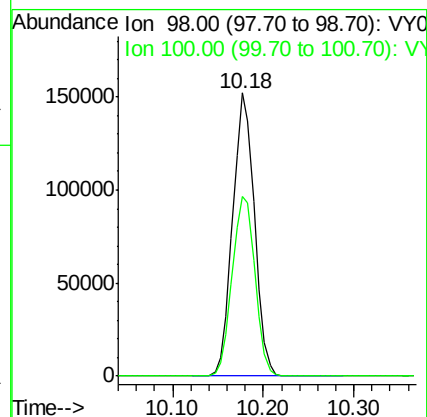
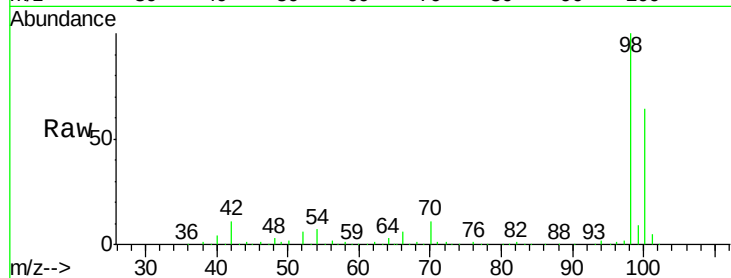
ClientSampleId :

Tot Ion: 98 Resp: 253959

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.964 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000062.D

Acq: 18 Sep 2019 15:56

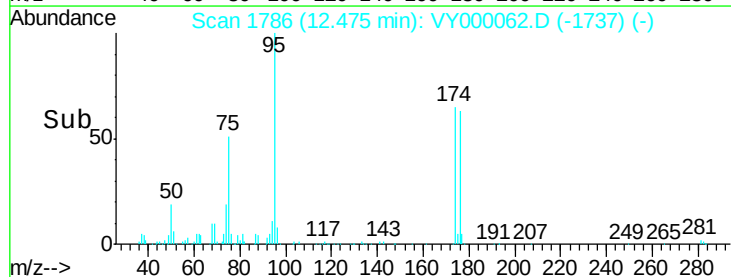
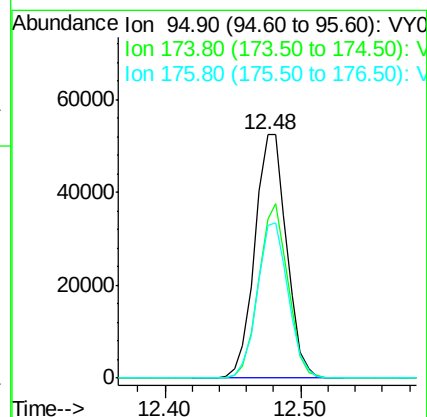
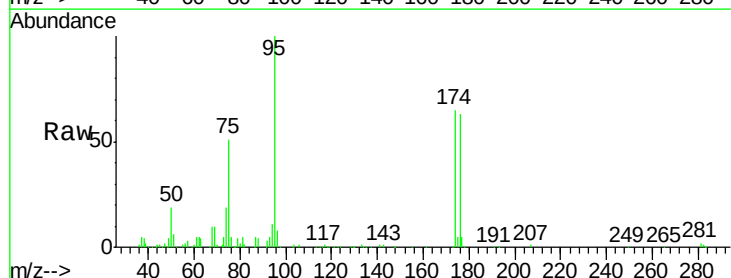
Tgt Ion: 95 Resp: 86047

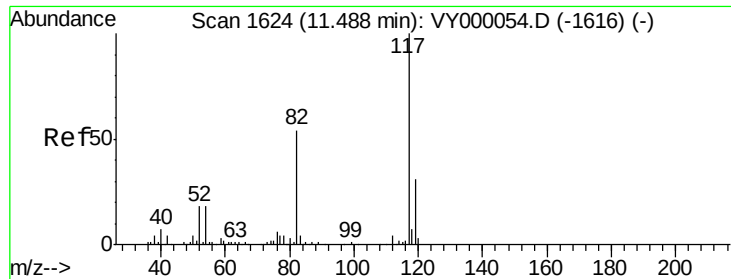
Ion Ratio Lower Upper

95 100

174 66.1 0.0 137.2

176 62.1 0.0 135.0

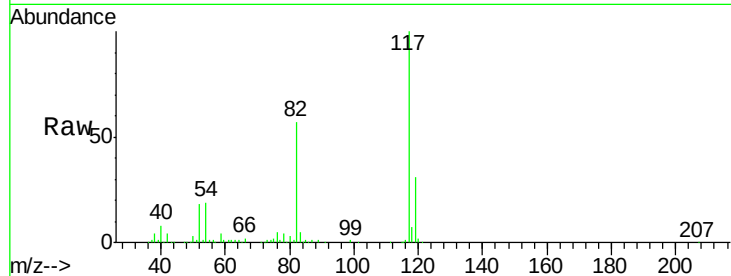




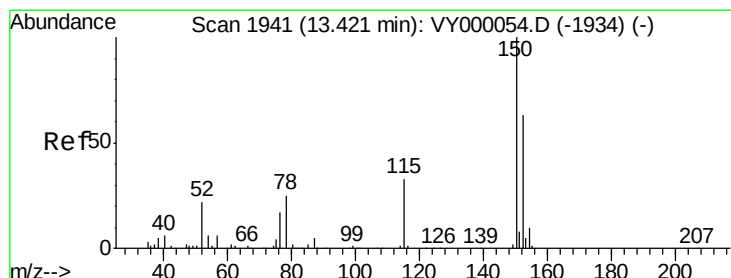
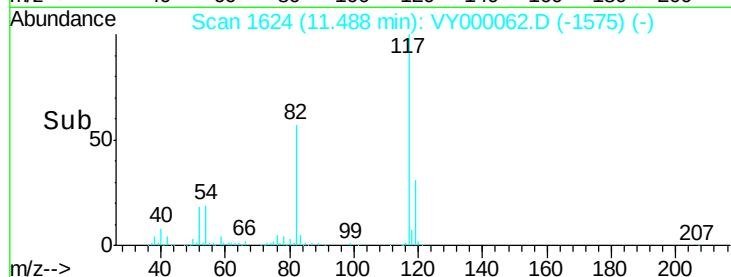
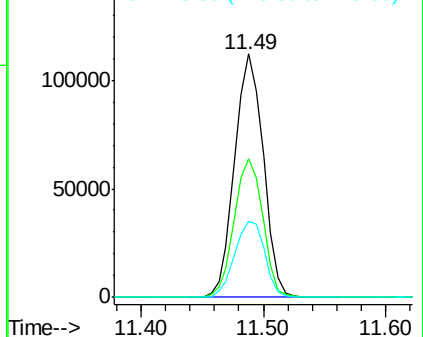
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000062.D
Acq: 18 Sep 2019 15:56

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 182576
Ion Ratio Lower Upper
117 100
82 56.9 43.5 65.3
119 31.4 24.6 36.8

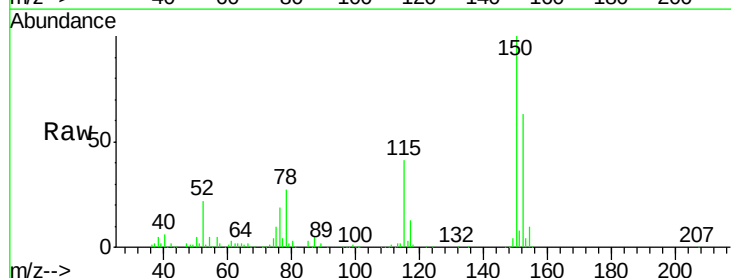


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

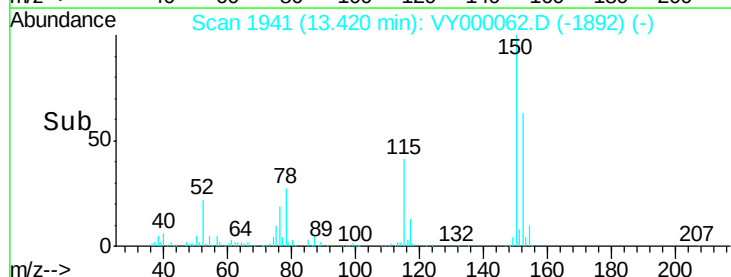
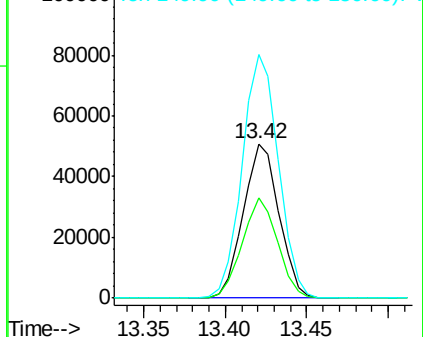


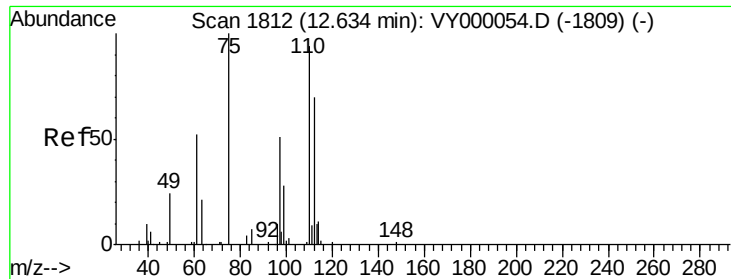
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000062.D
Acq: 18 Sep 2019 15:56

Tgt Ion:152 Resp: 77519
Ion Ratio Lower Upper
152 100
115 64.1 30.7 92.1
150 160.3 0.0 351.6



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

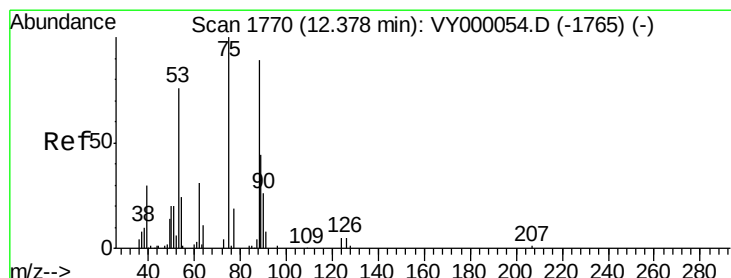
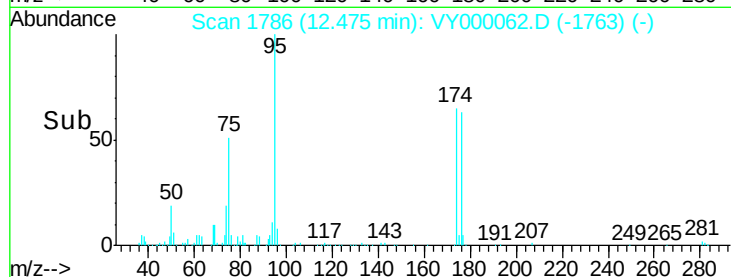
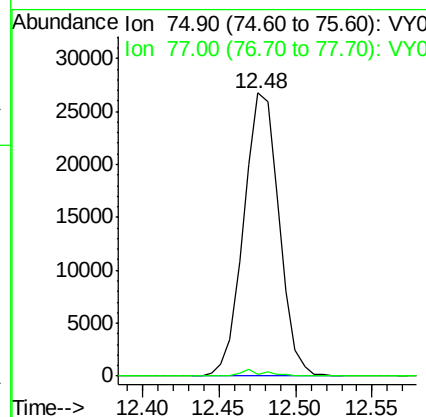
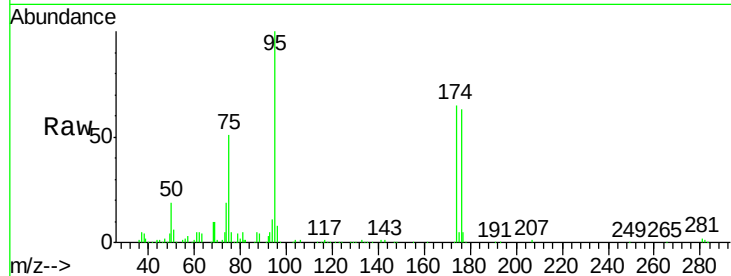




#76
 1,2,3-Trichloropropane
 Concen: 39.339 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.16 min
 Lab File: VY000062.D
 Acq: 18 Sep 2019 15:56

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 42906
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.658 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. 0.10 min
 Lab File: VY000062.D
 Acq: 18 Sep 2019 15:56

Tgt Ion: 75 Resp: 42906
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.9 91.3#
 89 0.0 35.3 52.9#

