

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061820\
 Data File : VY002922.D
 Acq On : 18 Jun 2020 16:24
 Operator : SY/MD
 Sample : L3037-03
 Misc : 6.80G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 19 05:05:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	233880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	379518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	321484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	114305	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	112134	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
35) Dibromofluoromethane	7.72	113	117291	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
50) Toluene-d8	10.18	98	438023	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.48	95	115092	37.45	ug/l	0.00
Spiked Amount			Recovery	=	74.90%	

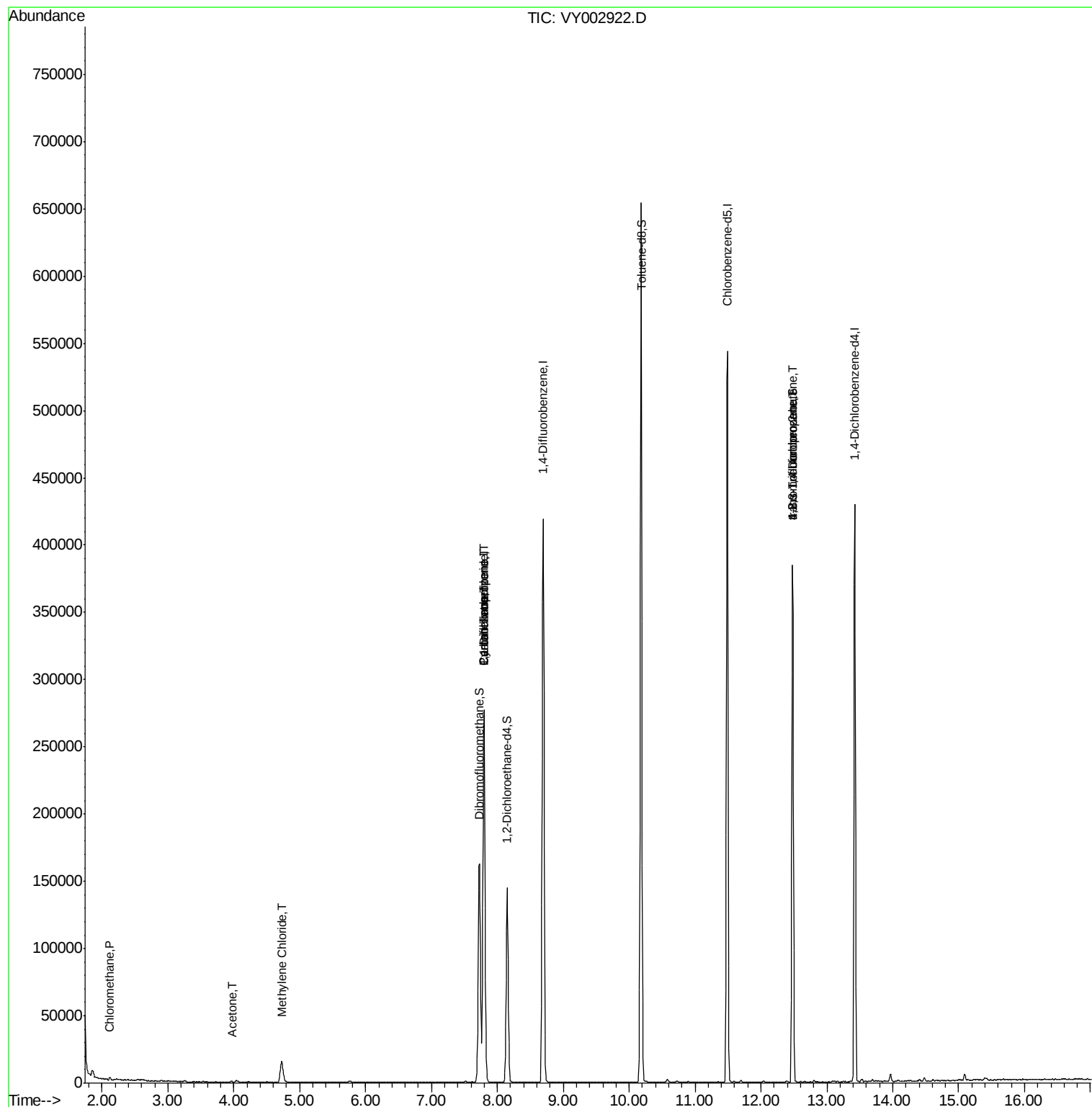
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	1910	1.073	ug/l	99
16) Acetone	3.96	43	973	2.043	ug/l #	59
18) Methyl Acetate	4.49	43	559	Below Cal	#	64
20) Methylene Chloride	4.73	84	12342	5.304	ug/l	95
31) Cyclohexane	7.79	56	3663	1.064	ug/l #	13
36) 1,1-Dichloropropene	7.80	75	14085	4.406	ug/l #	49
38) Carbon Tetrachloride	7.79	117	20385	5.740	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	56370	54.730	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	56370	103.111	ug/l #	17

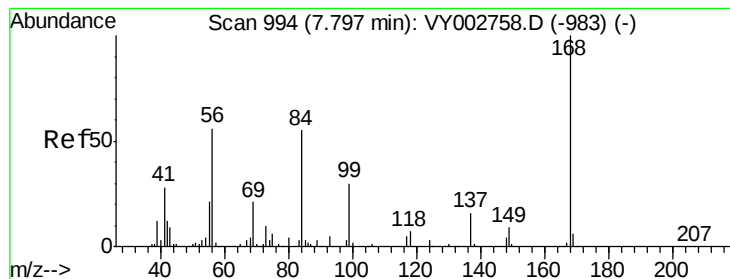
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002922.D

Acq: 18 Jun 2020 16:24

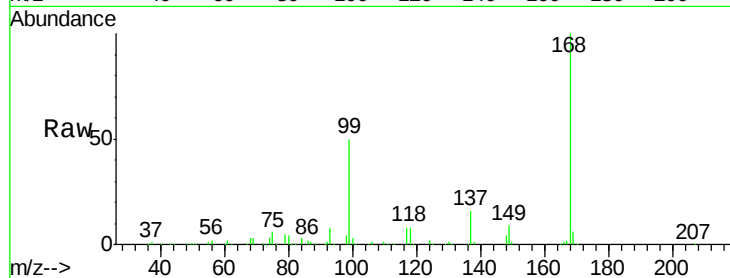
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 233880

Ion Ratio Lower Upper

168 100

99 49.7 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

100000

80000

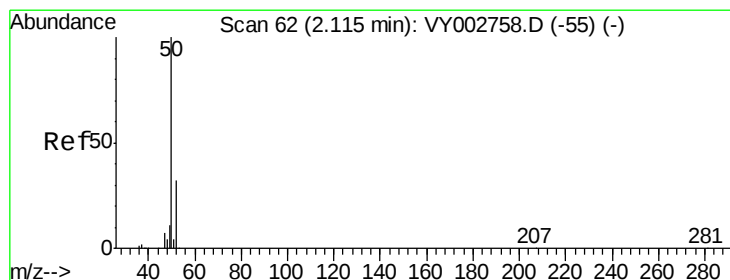
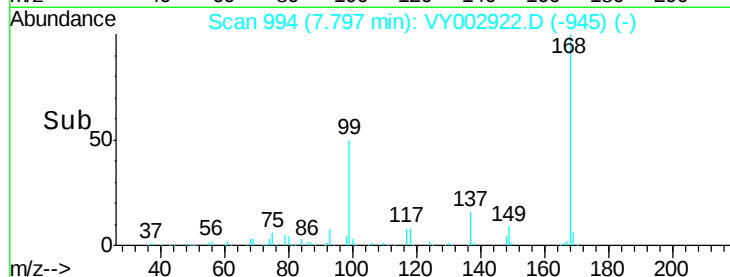
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#3

Chloromethane

Concen: 1.073 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002922.D

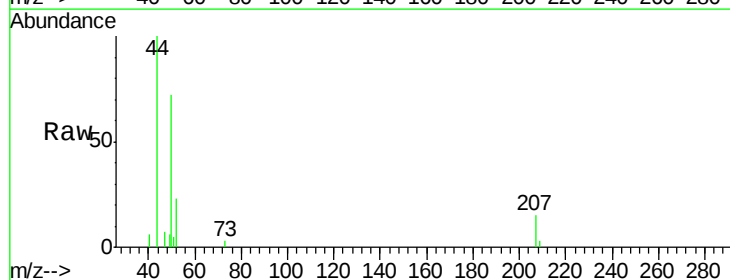
Acq: 18 Jun 2020 16:24

Tgt Ion: 50 Resp: 1910

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY002758.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY002758.D (-55) (-)

2.12

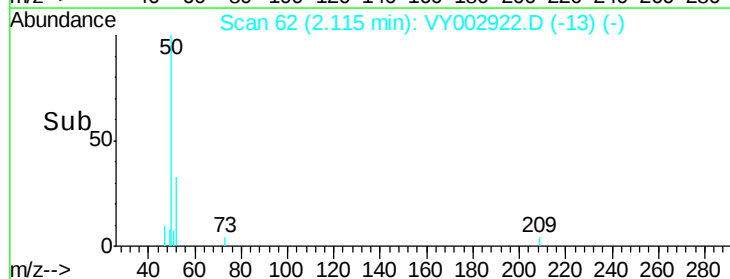
1500

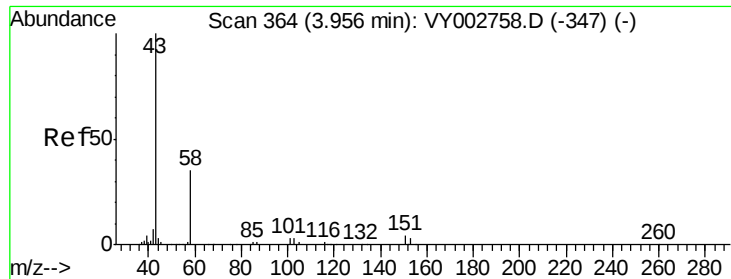
1000

500

0

Time--> 2.05 2.10 2.15





#16

Acetone

Concen: 2.043 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002922.D

Acq: 18 Jun 2020 16:24

Instrument :

MSVOA_Y

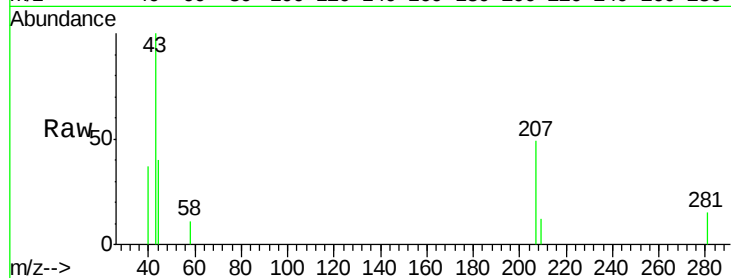
ClientSampleId :

Tot Ion: 43 Resp: 973

Ion Ratio Lower Upper

43 100

58 11.2 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

400

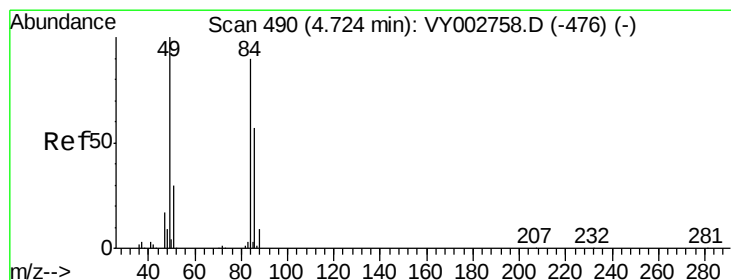
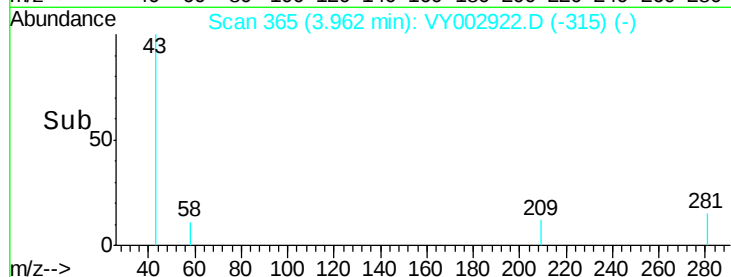
300

200

100

0

Time--> 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 5.304 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002922.D

Acq: 18 Jun 2020 16:24

Tgt Ion: 84 Resp: 12342

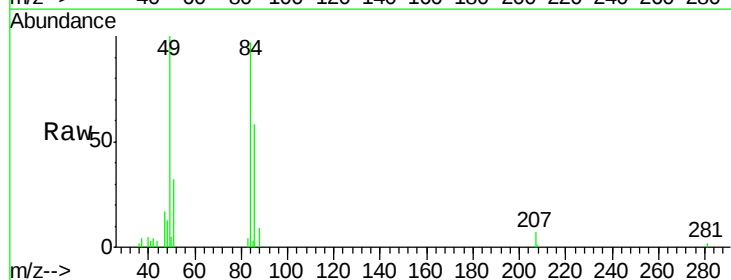
Ion Ratio Lower Upper

84 100

49 102.9 88.5 132.7

51 32.6 26.8 40.2

86 59.9 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

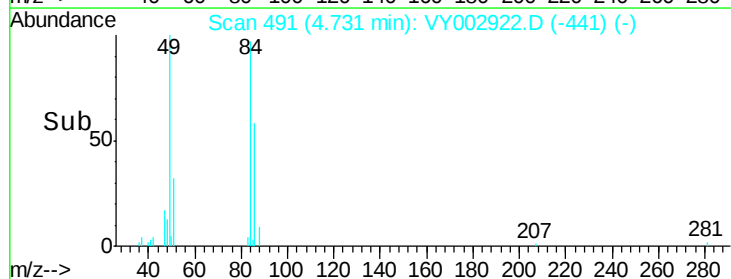
6000

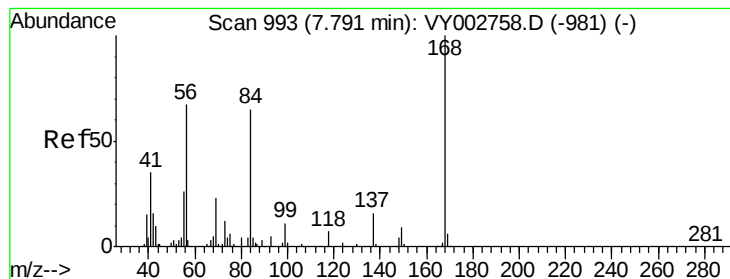
4000

2000

0

Time--> 4.60 4.70 4.80





#31

Cyclohexane

Concen: 1.064 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002922.D

Acq: 18 Jun 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

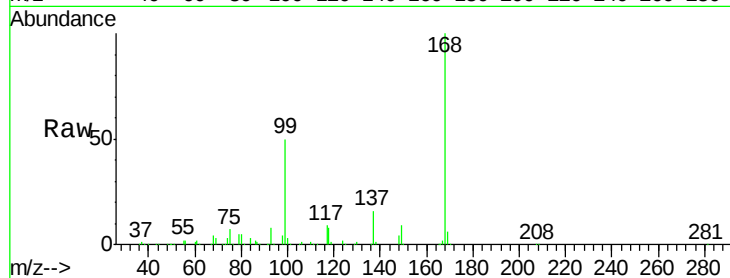
Tot Ion: 56 Resp: 3663

Ion Ratio Lower Upper

56 100

69 153.1 28.0 42.0#

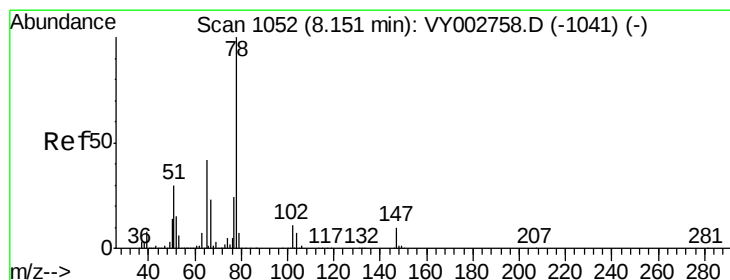
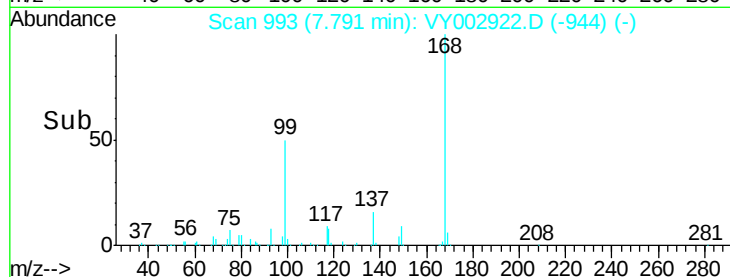
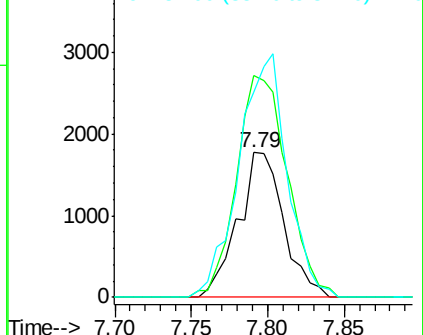
84 141.6 77.7 116.5#



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: 55.219 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002922.D

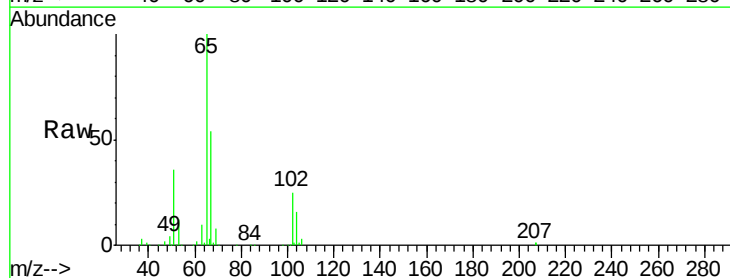
Acq: 18 Jun 2020 16:24

Tgt Ion: 65 Resp: 112134

Ion Ratio Lower Upper

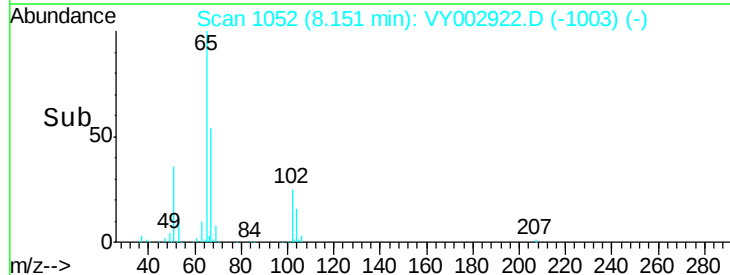
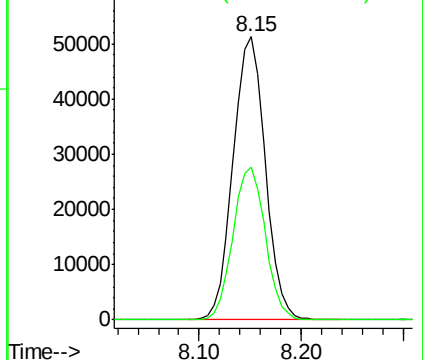
65 100

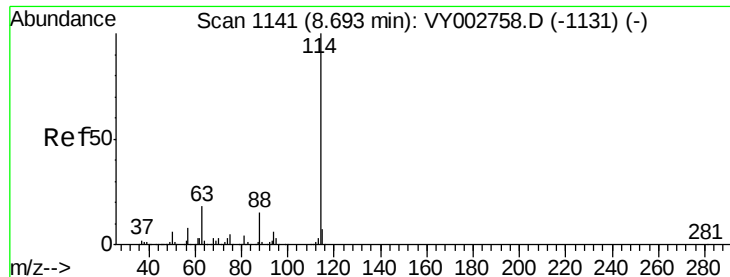
67 54.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

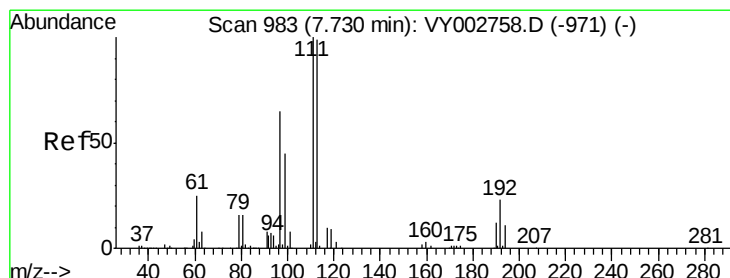
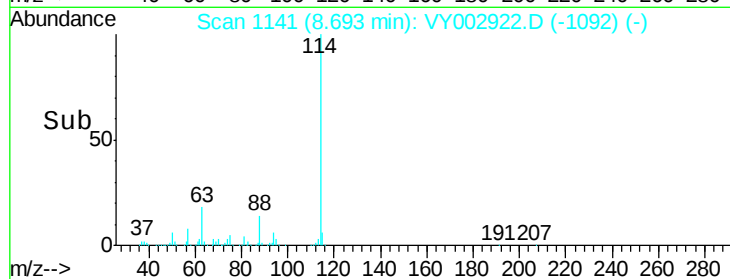
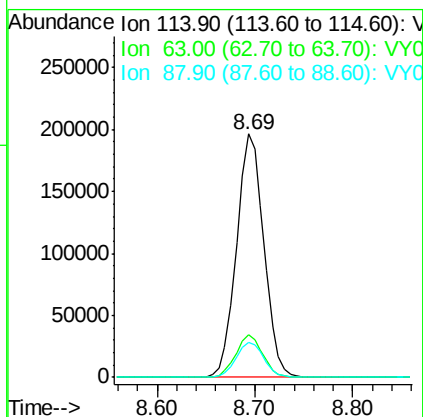
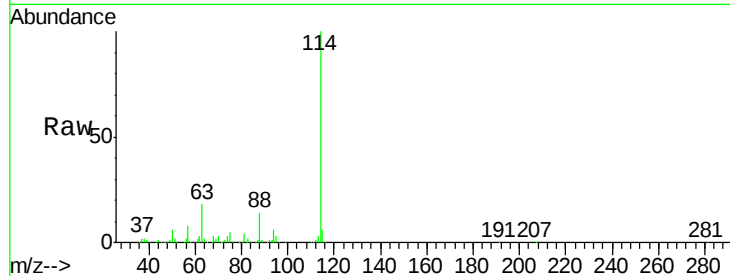




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002922.D
 Acq: 18 Jun 2020 16:24

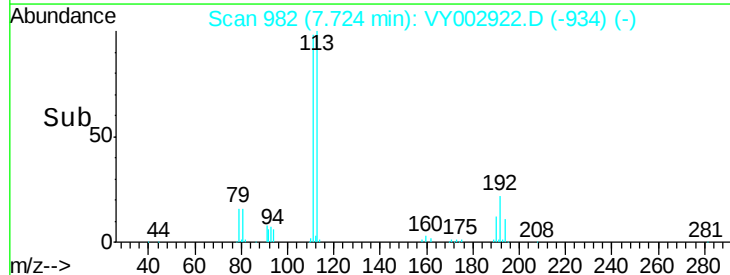
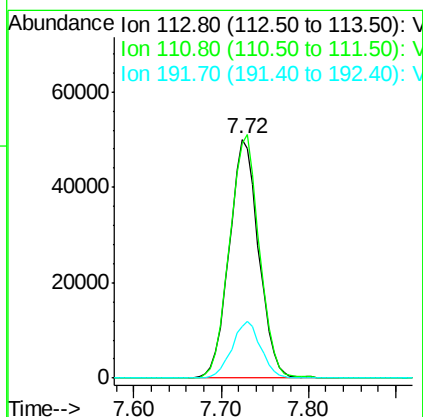
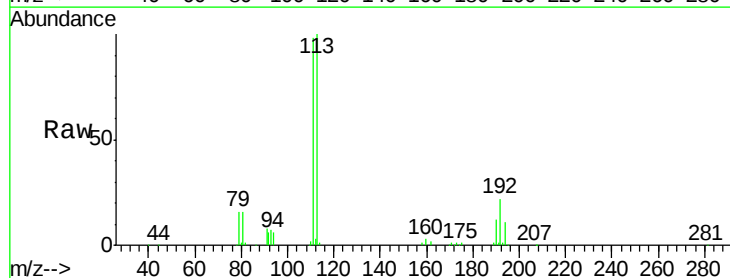
Instrument :
 MSVOA_Y
 ClientSampleId :

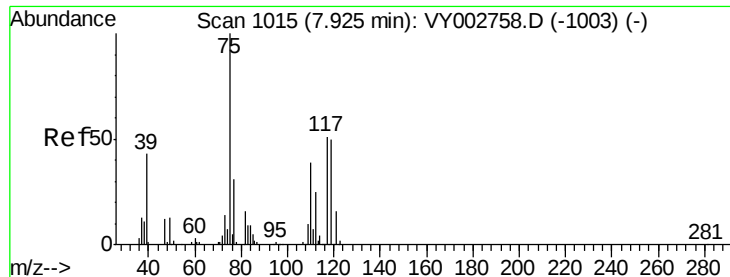
Tot Ion:114 Resp: 379518
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 14.3 0.0 29.2



#35
 Dibromofluoromethane
 Concen: 52.735 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002922.D
 Acq: 18 Jun 2020 16:24

Tgt Ion:113 Resp: 117291
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.0 123.0
 192 23.2 18.9 28.3

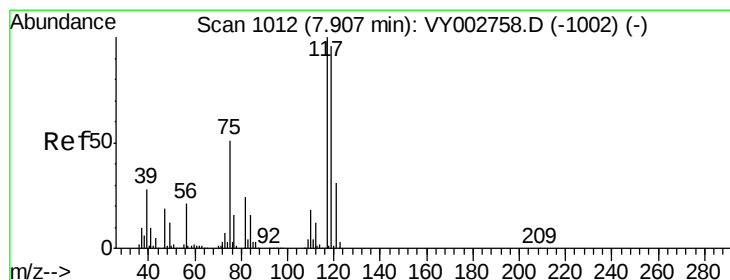
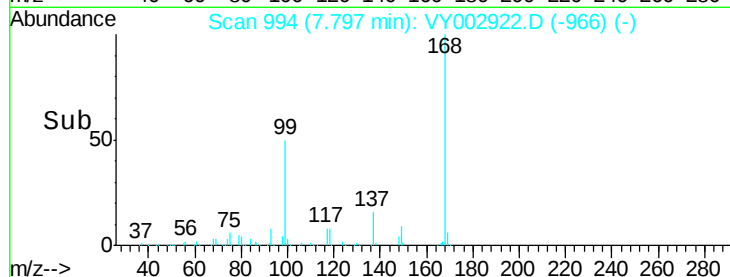
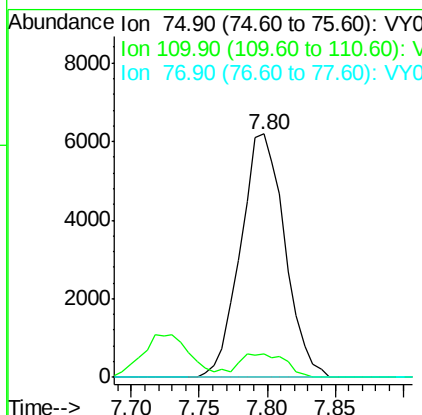
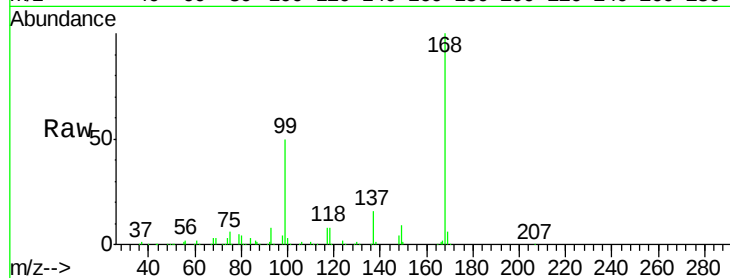




#36
 1,1-Dichloropropene
 Concen: 4.406 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002922.D
 Acq: 18 Jun 2020 16:24

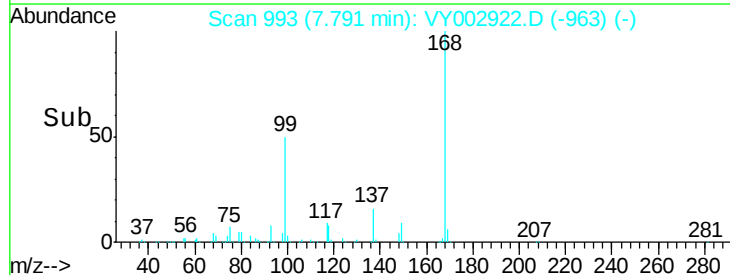
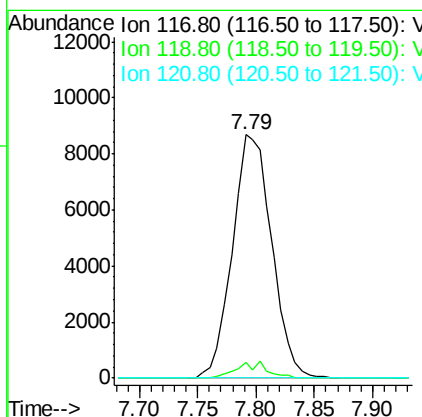
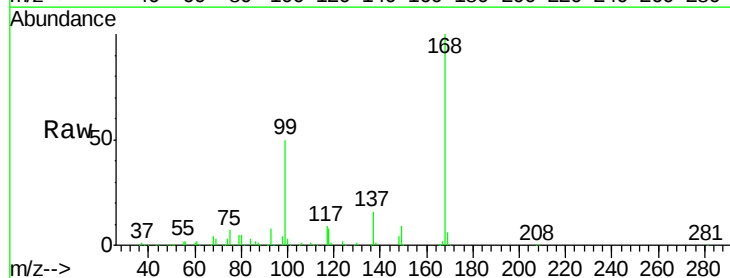
Instrument :
 MSVOA_Y
 ClientSampleId :

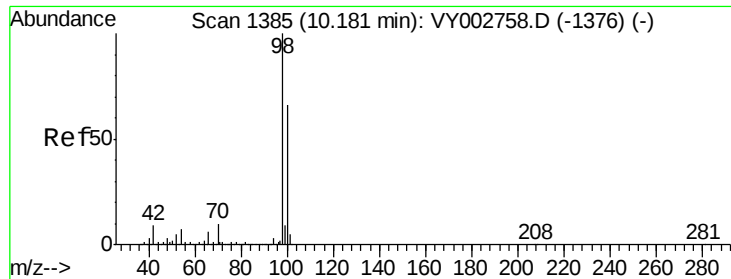
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.740 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY002922.D
 Acq: 18 Jun 2020 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.8	115.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 48.708 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002922.D

Acq: 18 Jun 2020 16:24

Instrument :

MSVOA_Y

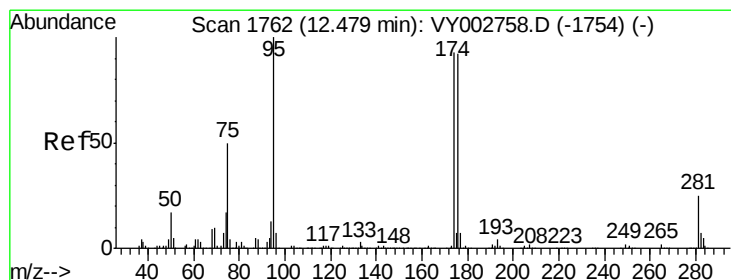
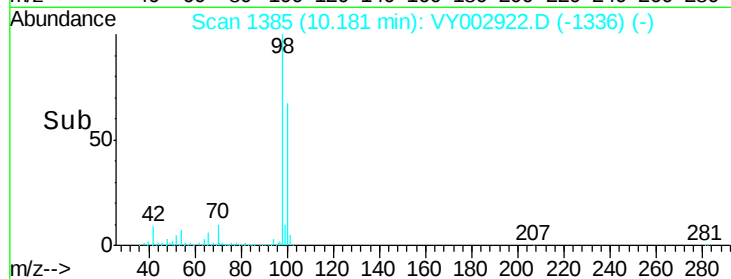
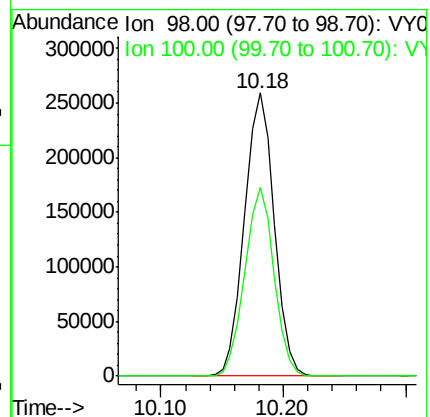
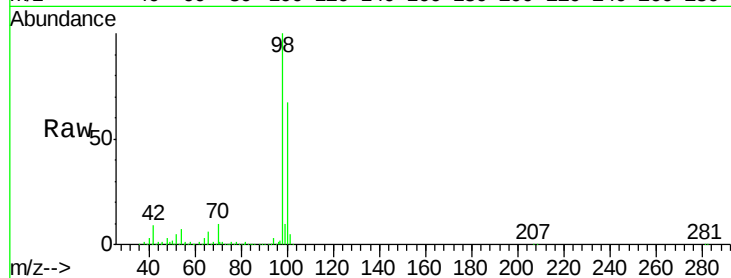
ClientSampled :

Tot Ion: 98 Resp: 438023

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 37.449 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002922.D

Acq: 18 Jun 2020 16:24

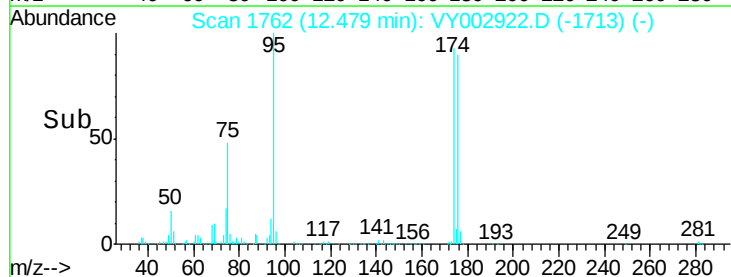
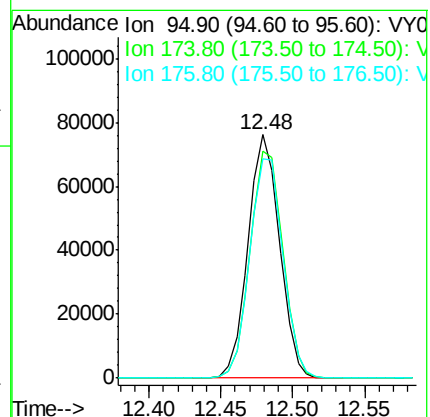
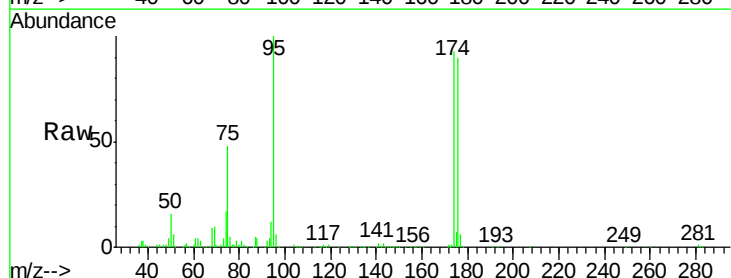
Tgt Ion: 95 Resp: 115092

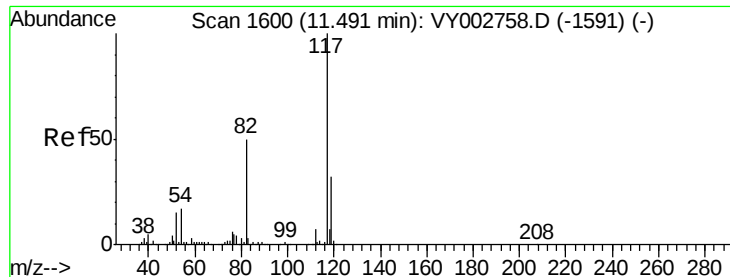
Ion Ratio Lower Upper

95 100

174 96.9 0.0 191.2

176 94.9 0.0 188.8

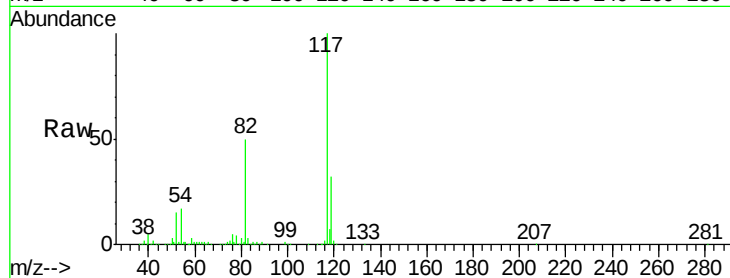




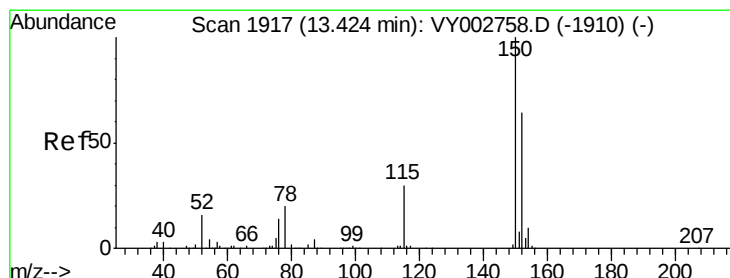
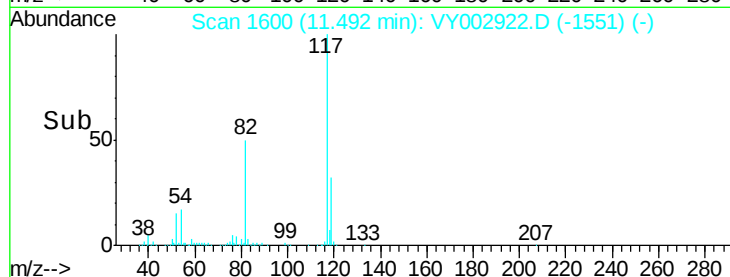
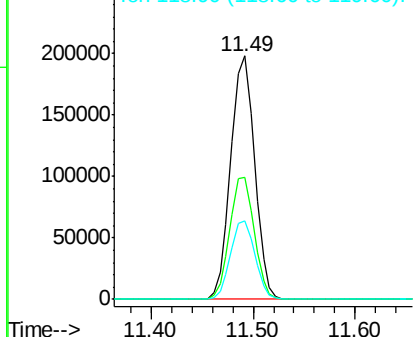
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002922.D
Acq: 18 Jun 2020 16:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 321484
Ion Ratio Lower Upper
117 100
82 50.2 40.2 60.4
119 32.0 25.8 38.8

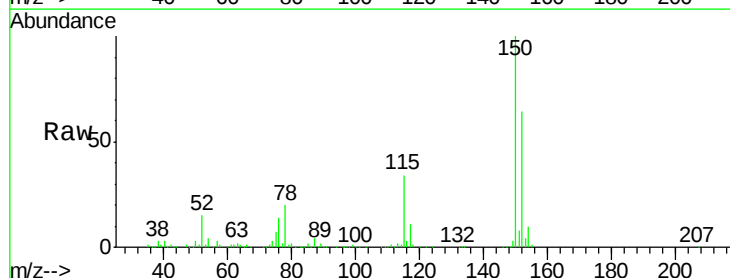


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

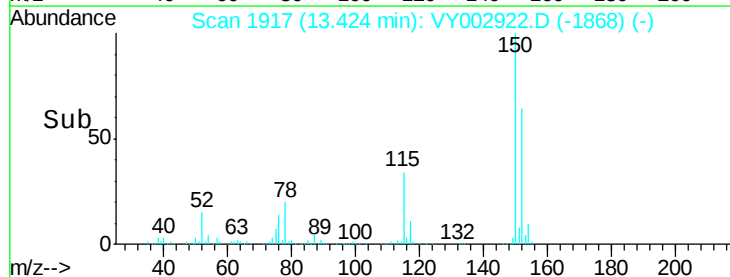
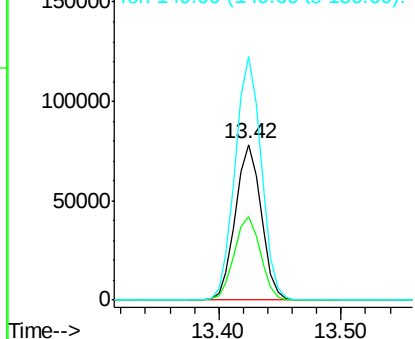


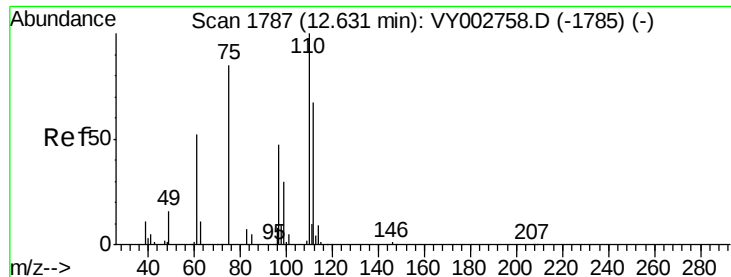
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002922.D
Acq: 18 Jun 2020 16:24

Tgt Ion:152 Resp: 114305
Ion Ratio Lower Upper
152 100
115 54.1 27.0 81.0
150 158.4 0.0 344.8



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: 54.730 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002922.D

Acq: 18 Jun 2020 16:24

Instrument :

MSVOA_Y

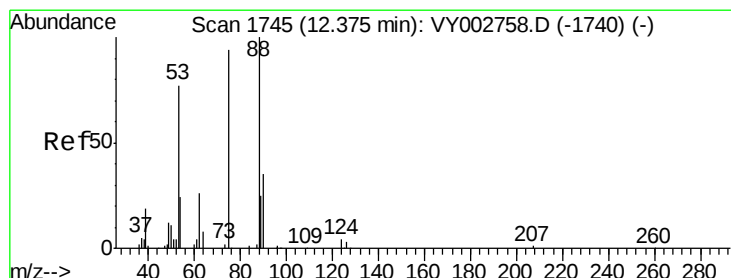
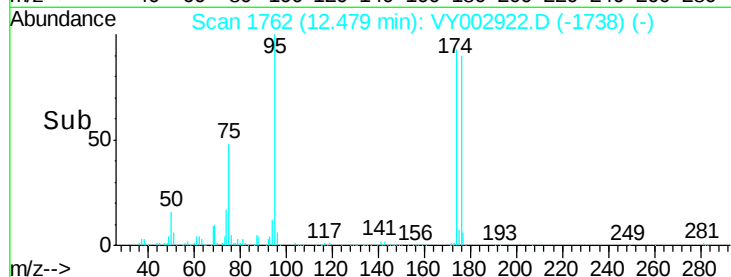
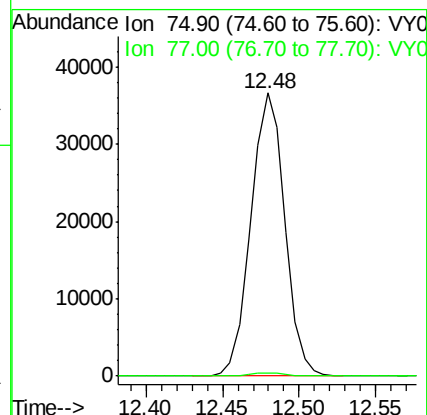
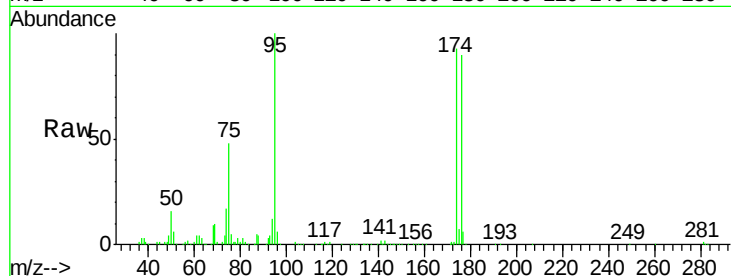
ClientSampled :

Tot Ion: 75 Resp: 56370

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.111 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002922.D

Acq: 18 Jun 2020 16:24

Tgt Ion: 75 Resp: 56370

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.0 37.4 56.2#

