

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY061920\
 Data File : VY002957.D
 Acq On : 19 Jun 2020 22:58
 Operator : SY/MD
 Sample : L3063-14
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TW-5

Quant Time: Jun 20 04:00:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 15:04:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	264218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	437743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	213142	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	116020	53.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.32%	
35) Dibromofluoromethane	7.72	113	133557	53.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.84%	
50) Toluene-d8	10.18	98	515095	52.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.48	95	178903	52.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.62%	

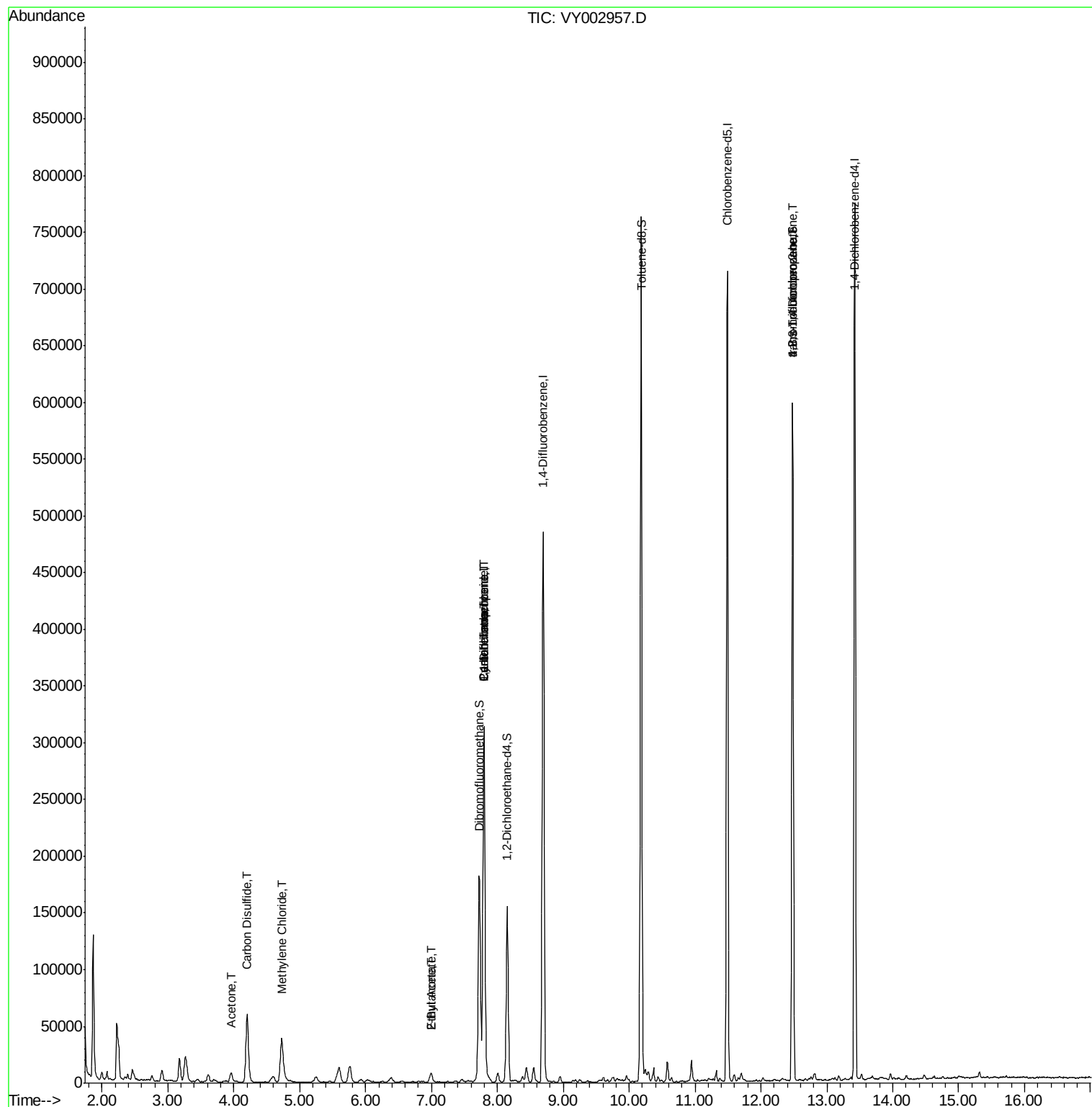
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	106	Below Cal	#	74
16) Acetone	3.96	43	14534	26.888	ug/l	99
17) Carbon Disulfide	4.20	76	124981	19.196	ug/l	98
18) Methyl Acetate	4.49	43	352	Below Cal	#	49
20) Methylene Chloride	4.72	84	30986	5.993	ug/l	95
25) 2-Butanone	7.00	43	4188	5.171	ug/l	97
31) Cyclohexane	7.79	56	5187	1.384	ug/l #	18
36) 1,1-Dichloropropene	7.80	75	16664	4.687	ug/l #	48
37) Ethyl Acetate	7.00	43	4188	2.122	ug/l #	66
38) Carbon Tetrachloride	7.80	117	23656	6.038	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	84914	45.745	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	84914	87.336	ug/l #	16

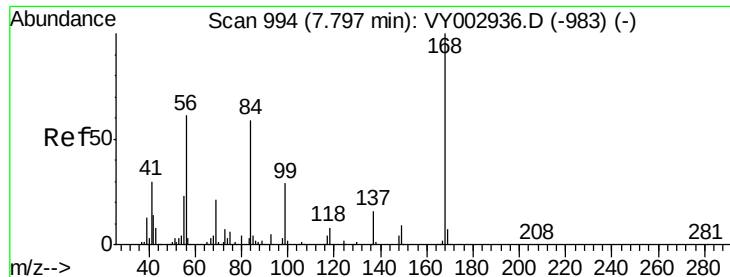
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

Instrument :

MSVOA_Y

ClientSampleId :

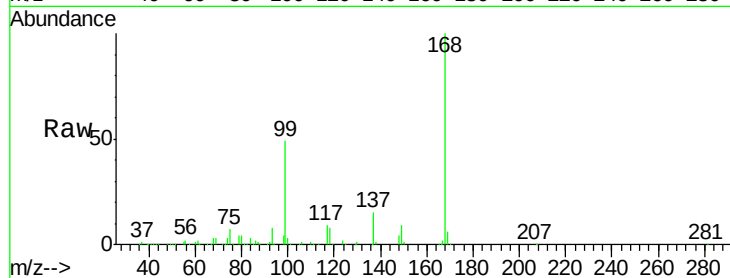
TW-5

Tgt Ion:168 Resp: 264218

Ion Ratio Lower Upper

168 100

99 49.0 39.5 59.3



Abundance Ion 167.90 (167.60 to 168.60): VY002936.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002936.D (-983) (-)

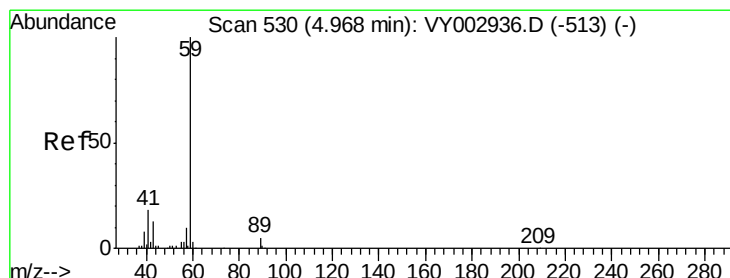
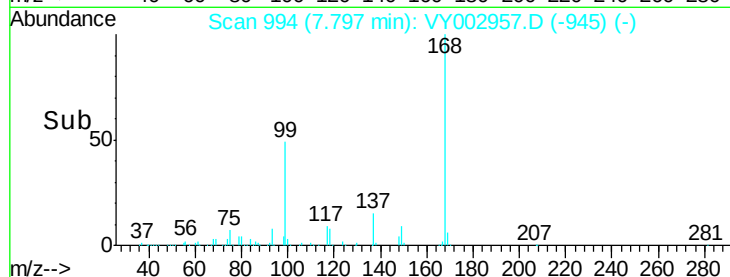
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY002957.D

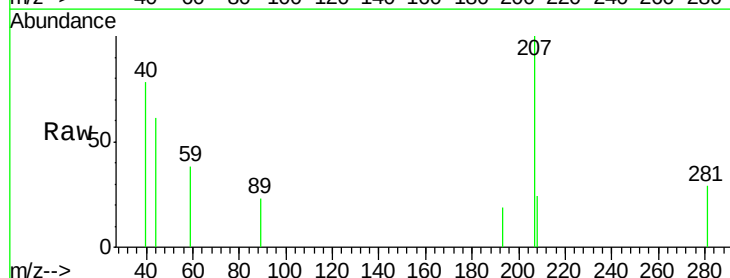
Acq: 19 Jun 2020 22:58

Tgt Ion: 59 Resp: 106

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY002936.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002936.D (-513) (-)

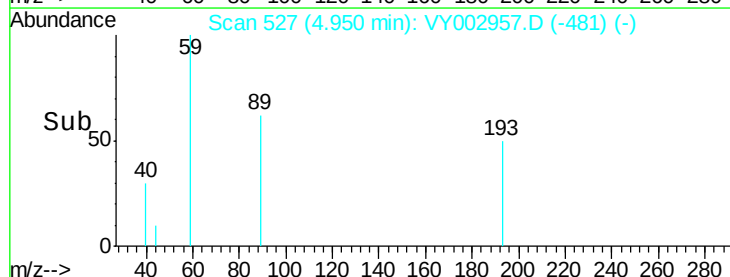
4.95

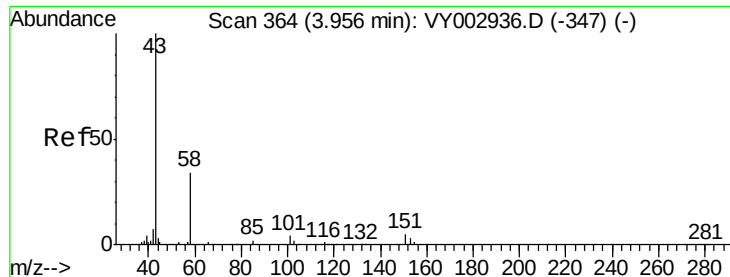
100

50

0

Time-->





#16

Acetone

Concen: 26.888 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

Instrument :

MSVOA_Y

ClientSampled :

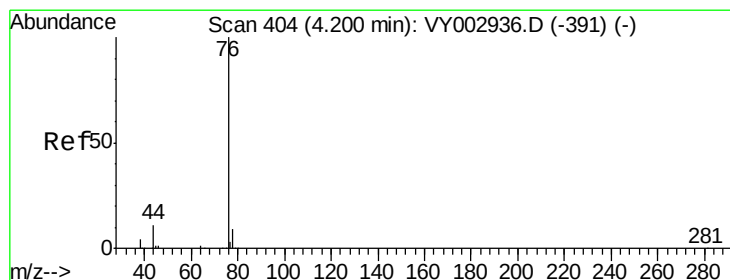
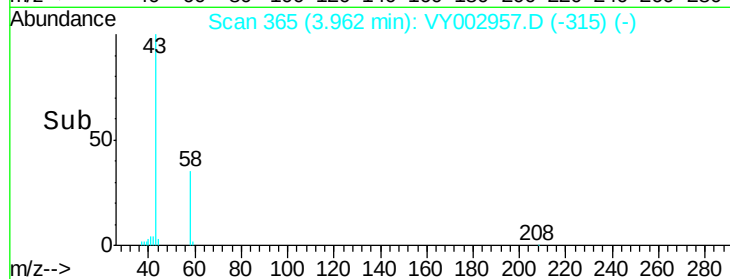
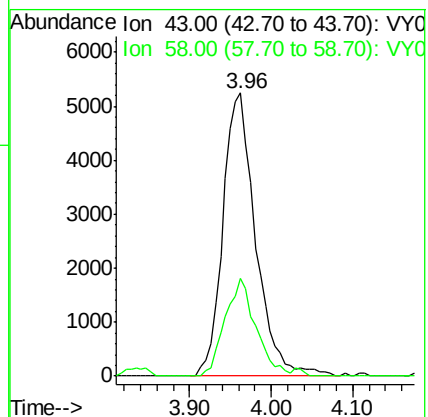
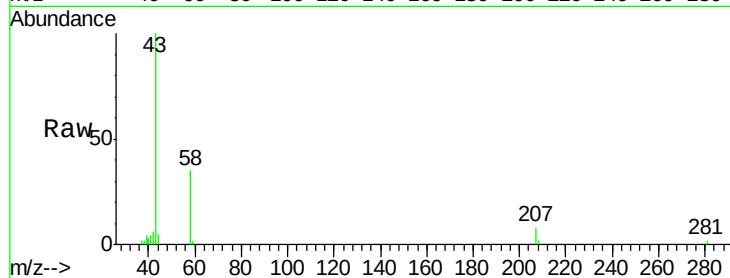
TW-5

Tgt Ion: 43 Resp: 14534

Ion Ratio Lower Upper

43 100

58 34.6 27.3 40.9



#17

Carbon Disulfide

Concen: 19.196 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002957.D

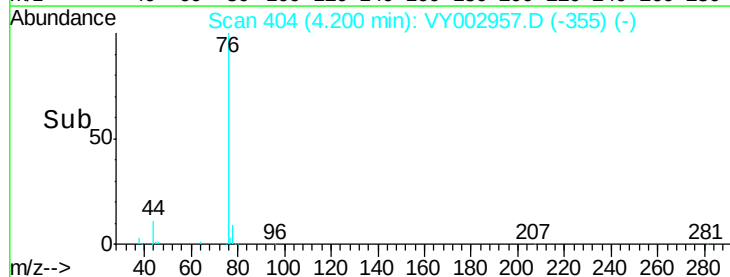
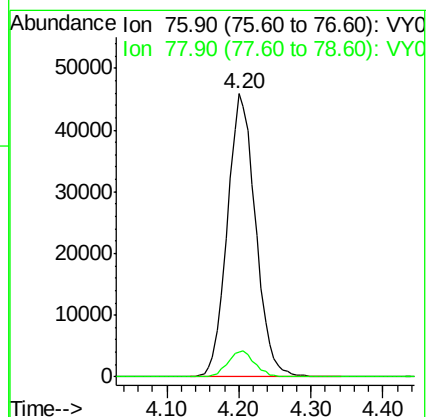
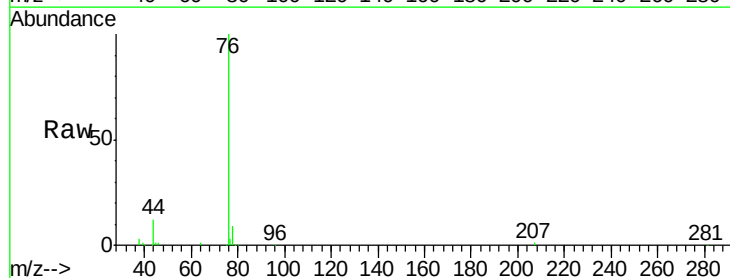
Acq: 19 Jun 2020 22:58

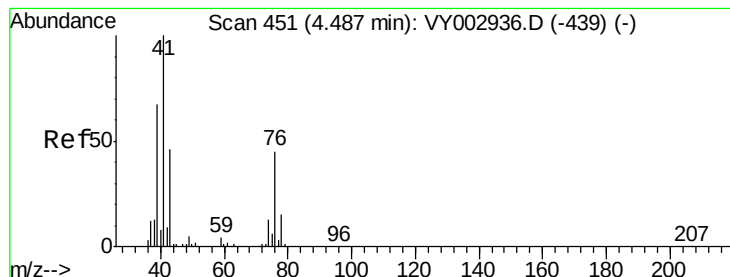
Tgt Ion: 76 Resp: 124981

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2





#18

Methyl Acetate

Concen: Below Cal

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

Instrument :

MSVOA_Y

ClientSampleId :

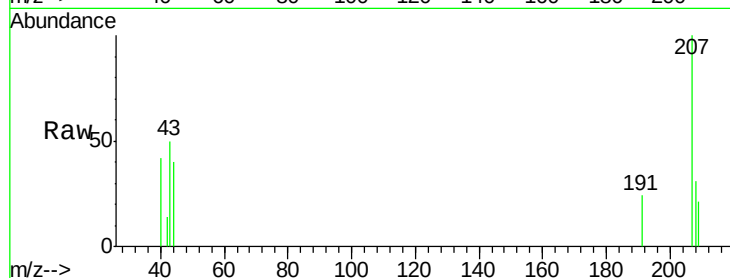
TW-5

Tgt Ion: 43 Resp: 352

Ion Ratio Lower Upper

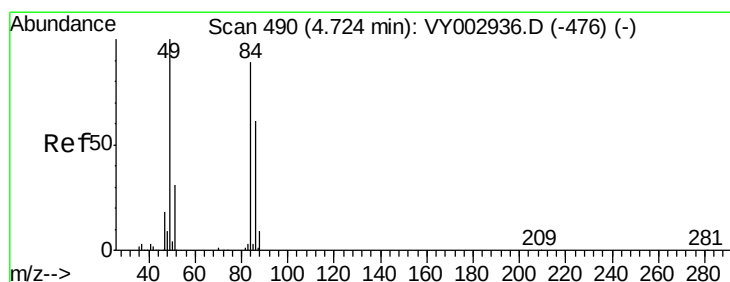
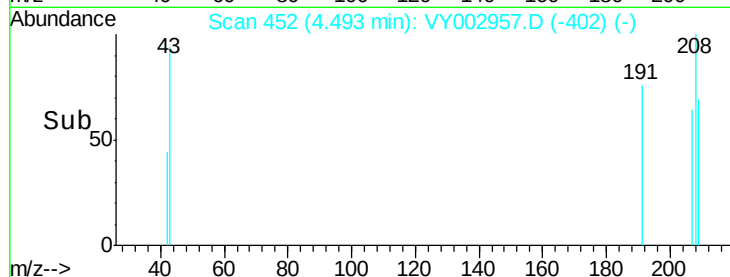
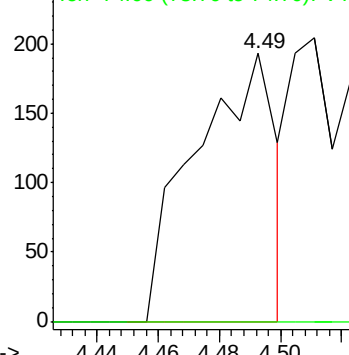
43 100

74 0.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



#20

Methylene Chloride

Concen: 5.993 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

Tgt Ion: 84 Resp: 30986

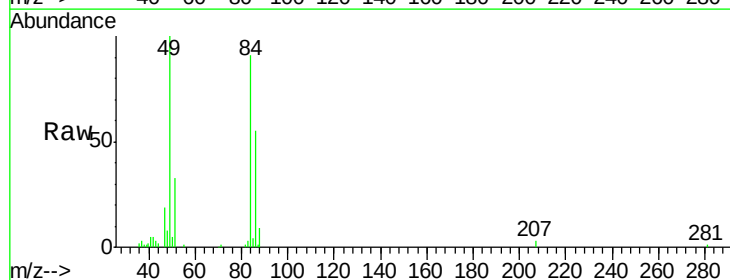
Ion Ratio Lower Upper

84 100

49 109.5 90.0 135.0

51 35.8 27.9 41.9

86 60.8 54.6 81.8

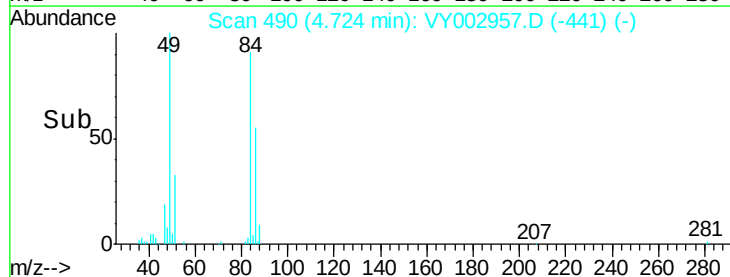
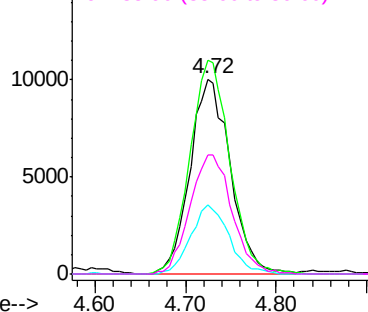


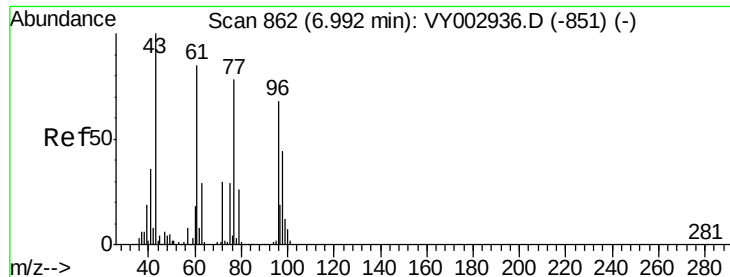
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#25

2-Butanone

Concen: 5.171 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

Instrument :

MSVOA_Y

ClientSampleId :

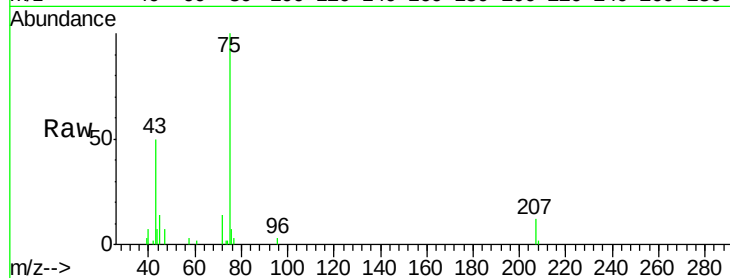
TW-5

Tgt Ion: 43 Resp: 4188

Ion Ratio Lower Upper

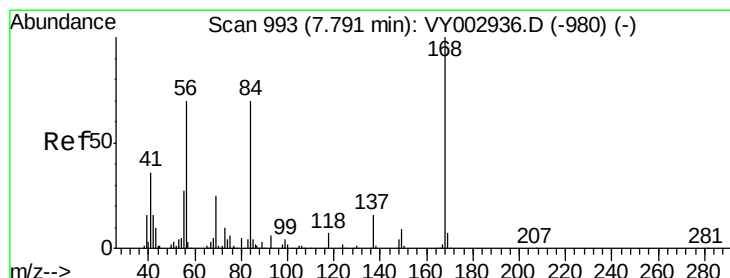
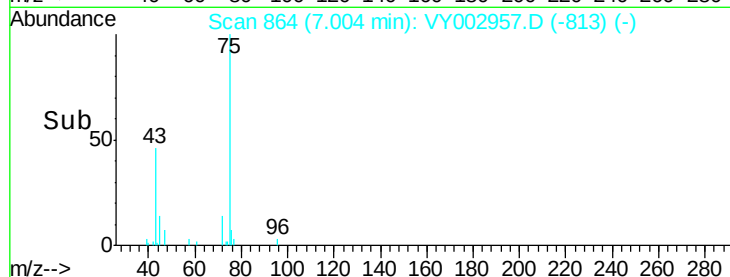
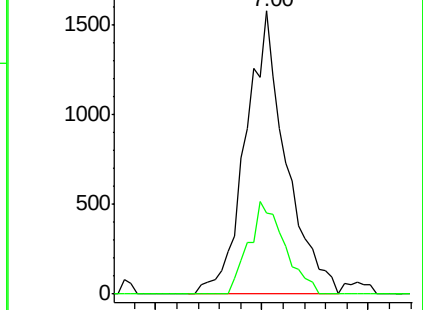
43 100

72 28.7 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VY002936.D (-851) (-)

Ion 72.00 (71.70 to 72.70): VY002936.D (-851) (-)



#31

Cyclohexane

Concen: 1.384 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

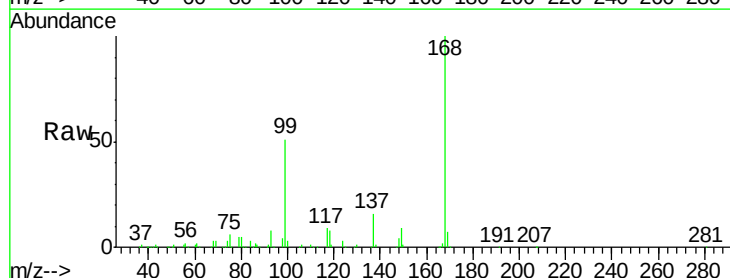
Tgt Ion: 56 Resp: 5187

Ion Ratio Lower Upper

56 100

69 136.4 28.9 43.3#

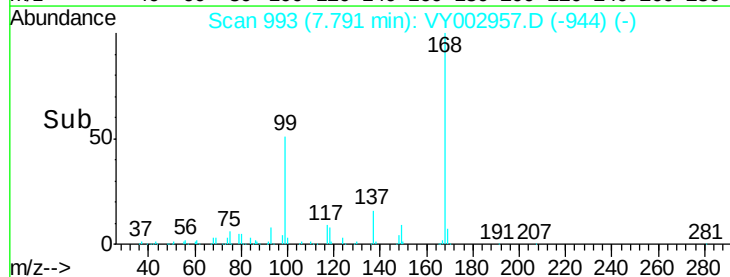
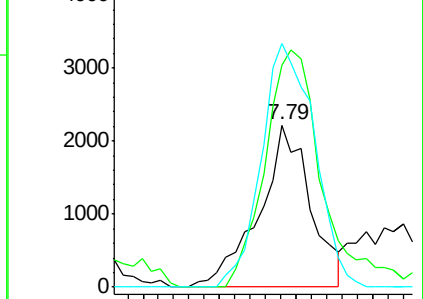
84 150.0 80.1 120.1#

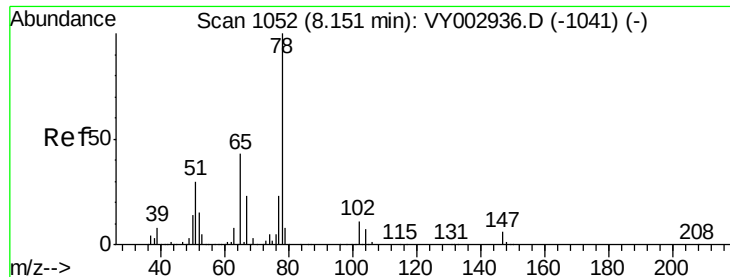


Abundance Ion 56.00 (55.70 to 56.70): VY002936.D (-980) (-)

Ion 69.00 (68.70 to 69.70): VY002936.D (-980) (-)

Ion 84.00 (83.70 to 84.70): VY002936.D (-980) (-)

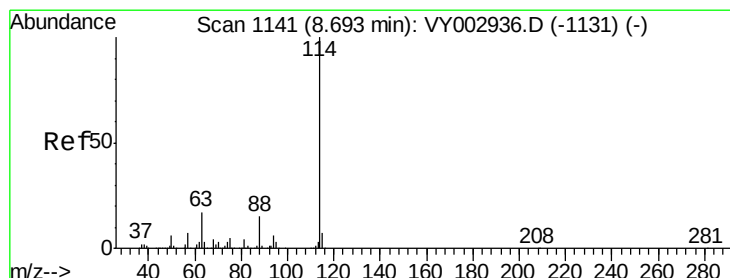
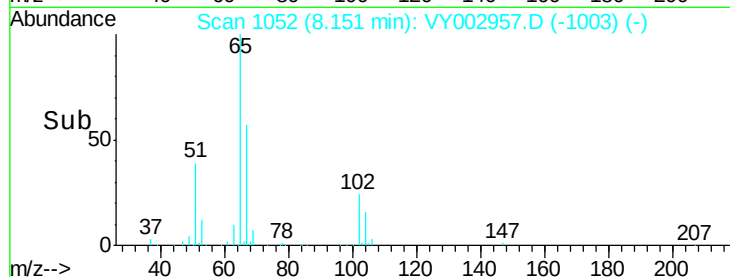
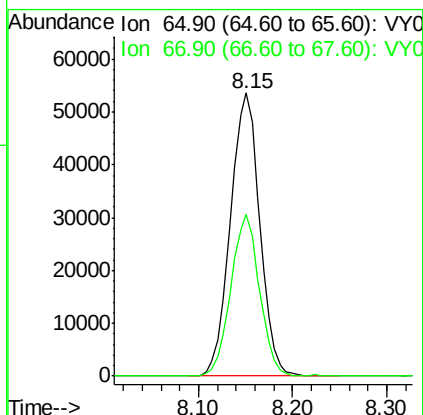
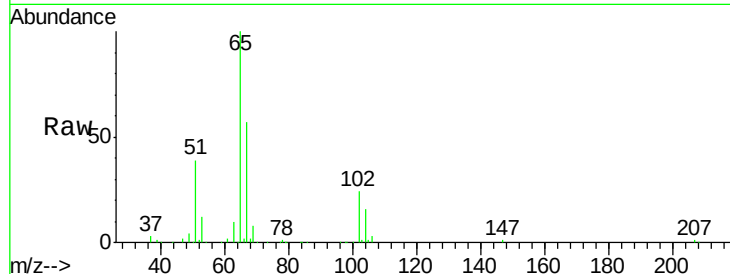




#33
 1,2-Dichloroethane-d4
 Concen: 53.162 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002957.D
 Acq: 19 Jun 2020 22:58

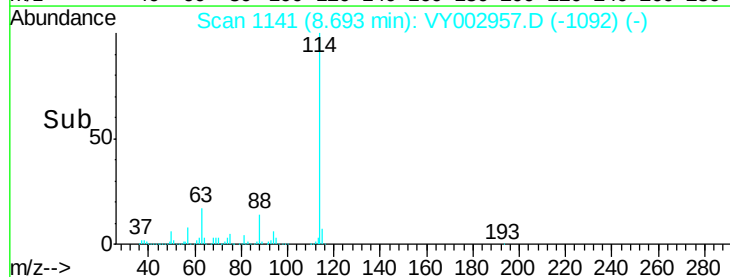
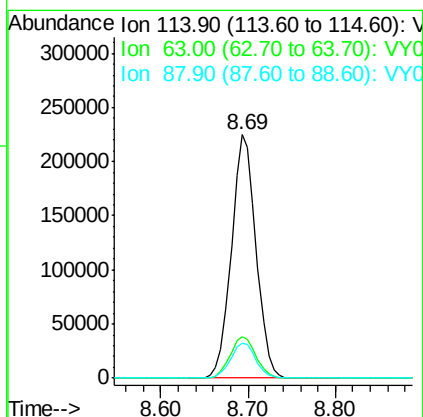
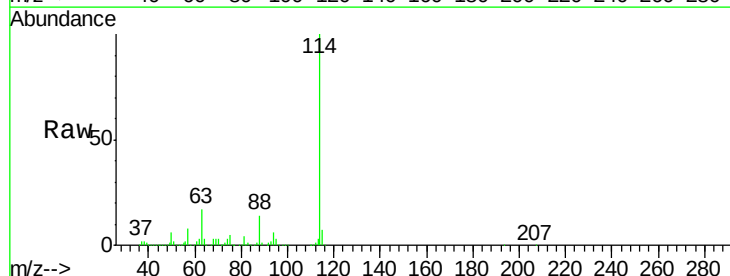
Instrument :
 MSVOA_Y
 ClientSampled :
 TW-5

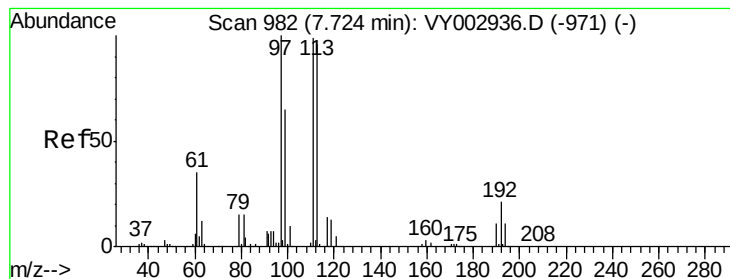
Tgt Ion: 65 Resp: 116020
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002957.D
 Acq: 19 Jun 2020 22:58

Tgt Ion: 114 Resp: 437743
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 34.6
 88 14.4 0.0 29.2





#35

Dibromofluoromethane

Concen: 53.922 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

Instrument :

MSVOA_Y

ClientSampleId :

TW-5

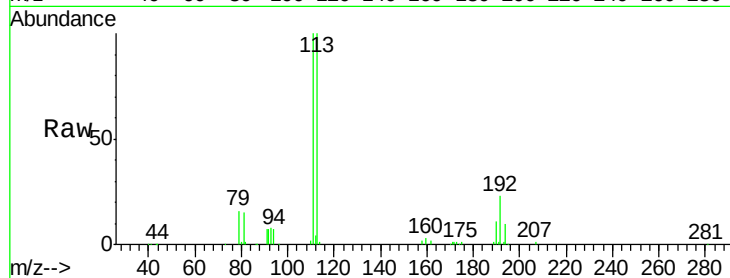
Tgt Ion:113 Resp: 133557

Ion Ratio Lower Upper

113 100

111 101.5 81.5 122.3

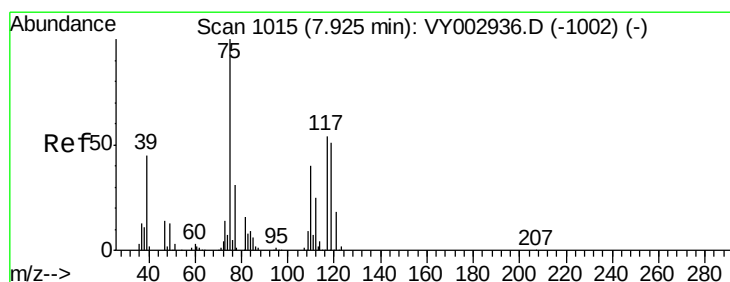
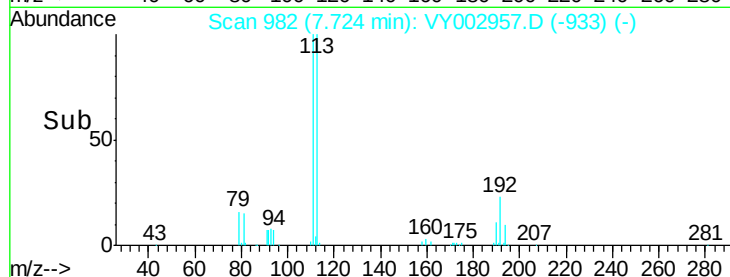
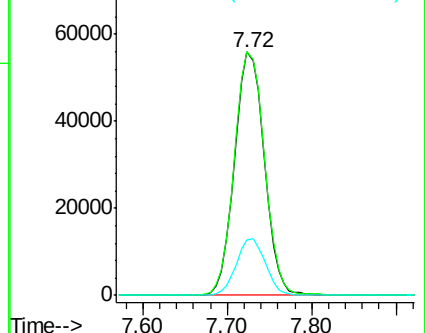
192 22.7 19.2 28.8



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: 4.687 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

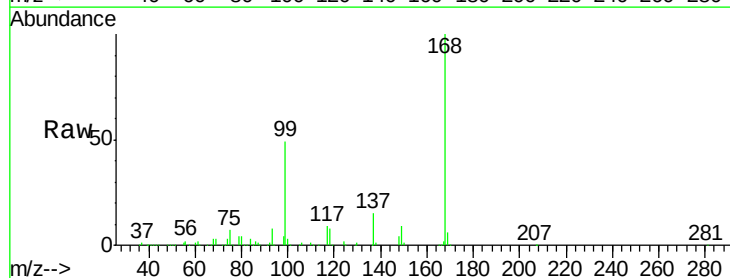
Tgt Ion: 75 Resp: 16664

Ion Ratio Lower Upper

75 100

110 9.6 19.7 59.0#

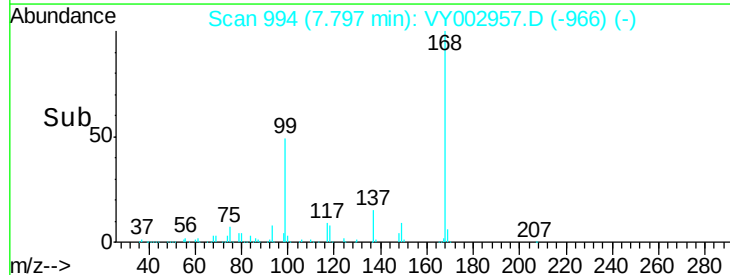
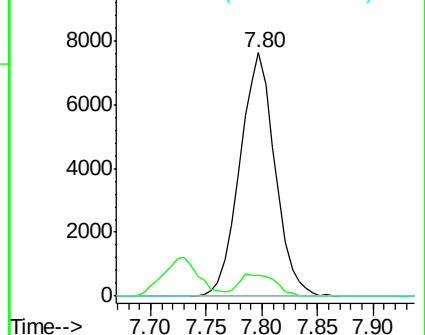
77 0.0 25.0 37.4#

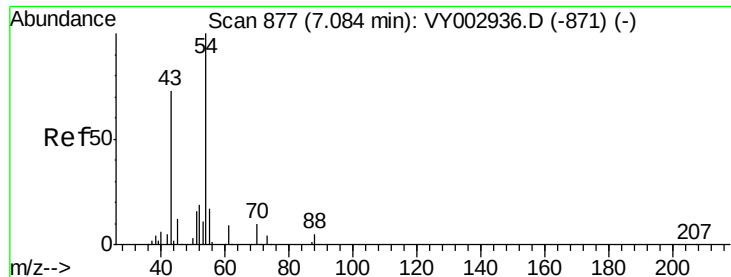


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 2.122 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.08 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

Instrument :

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TW-5

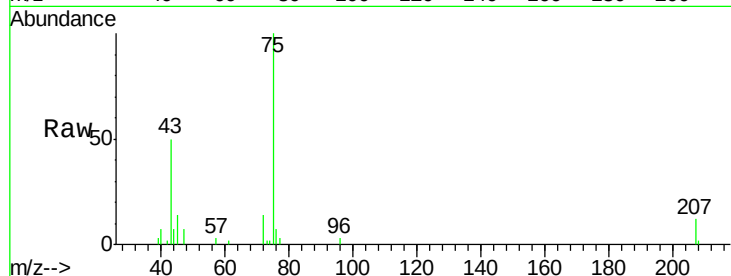
Tgt Ion: 43 Resp: 4188

Ion Ratio Lower Upper

43 100

61 0.0 12.3 18.5#

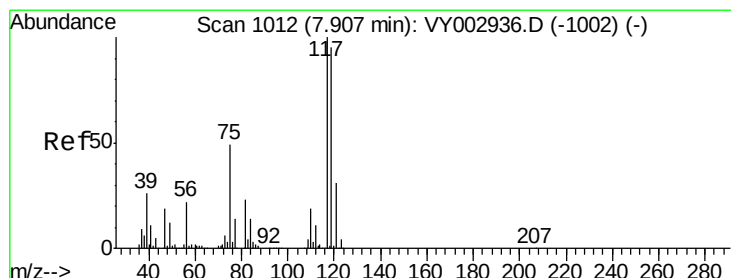
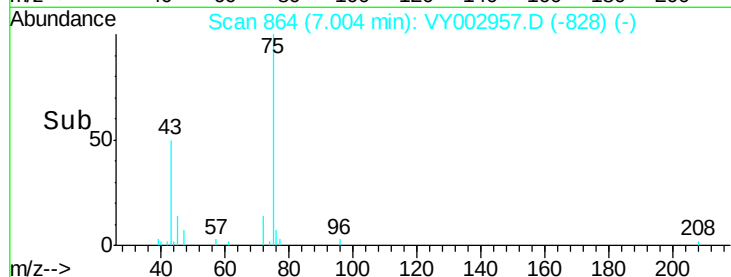
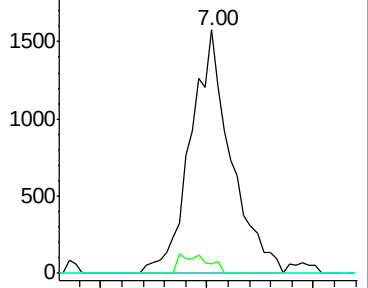
70 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002936.D (-871) (-)

Ion 60.90 (60.60 to 61.60): VY002936.D (-871) (-)

Ion 70.00 (69.70 to 70.70): VY002936.D (-871) (-)



#38

Carbon Tetrachloride

Concen: 6.038 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

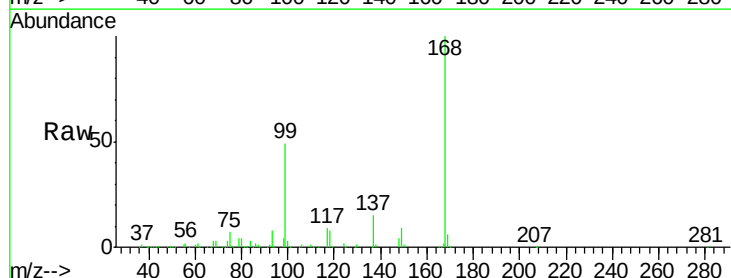
Tgt Ion: 117 Resp: 23656

Ion Ratio Lower Upper

117 100

119 4.1 76.1 114.1#

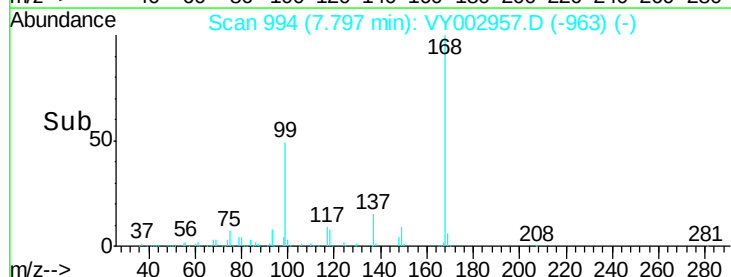
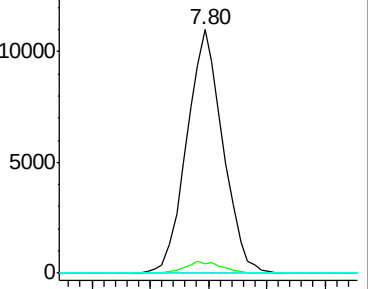
121 0.0 24.8 37.2#

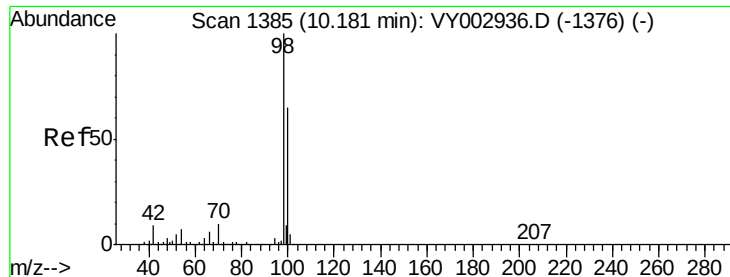


Abundance Ion 116.80 (116.50 to 117.50): VY002936.D (-1002) (-)

Ion 118.80 (118.50 to 119.50): VY002936.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VY002936.D (-1002) (-)





#50

Toluene-d8

Concen: 52.743 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

Instrument :

MSVOA_Y

ClientSampleId :

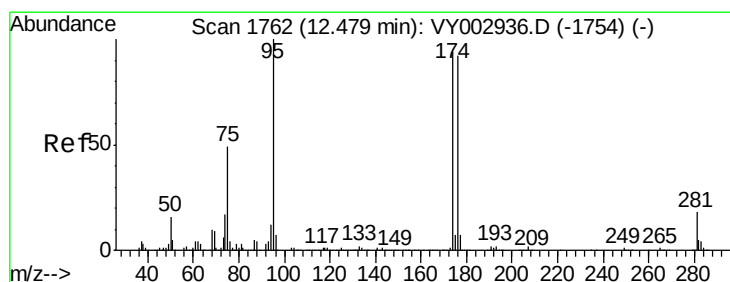
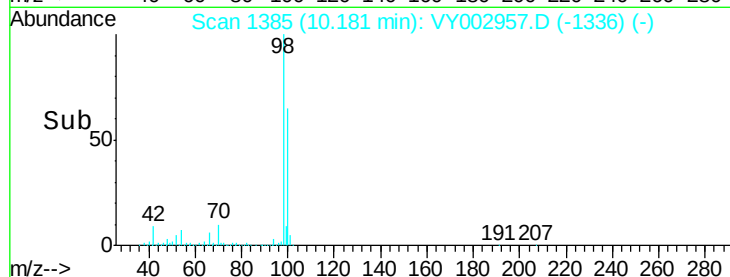
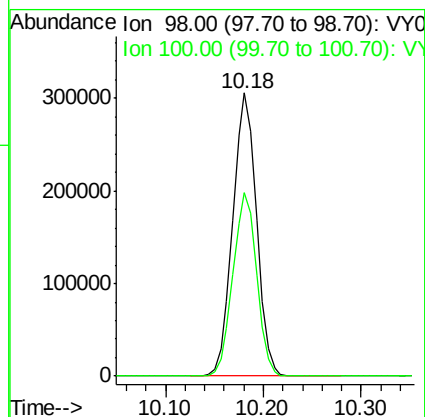
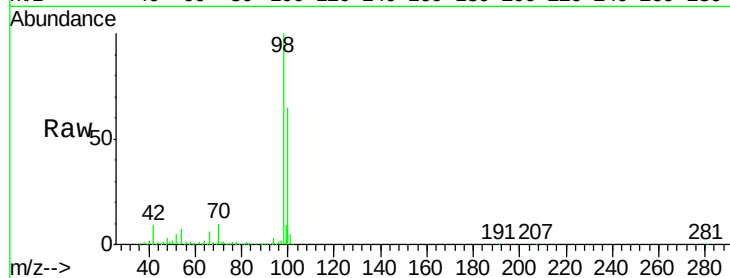
TW-5

Tgt Ion: 98 Resp: 515095

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 52.811 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

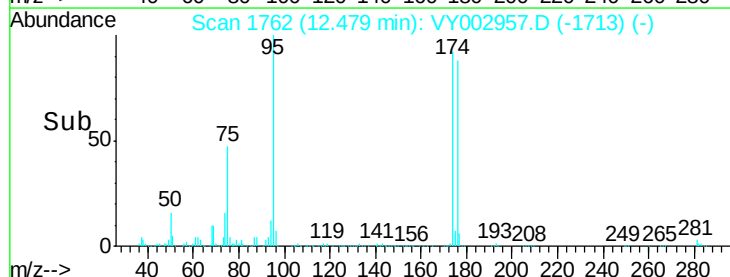
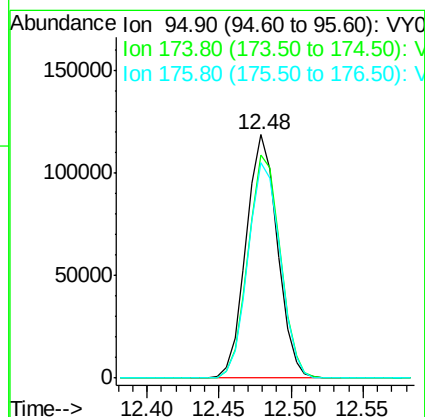
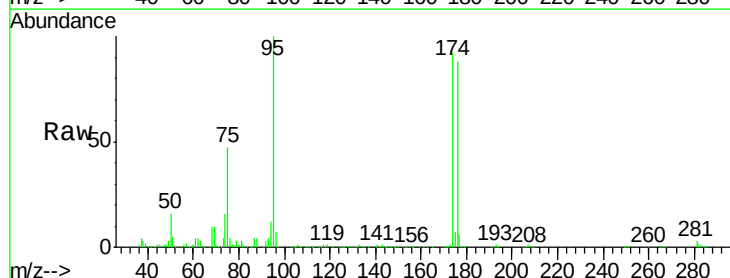
Tgt Ion: 95 Resp: 178903

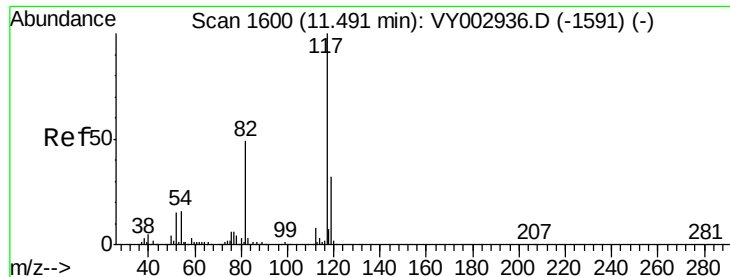
Ion Ratio Lower Upper

95 100

174 93.9 0.0 191.2

176 90.9 0.0 186.0

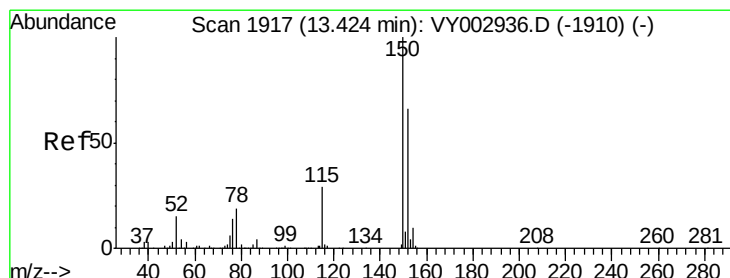
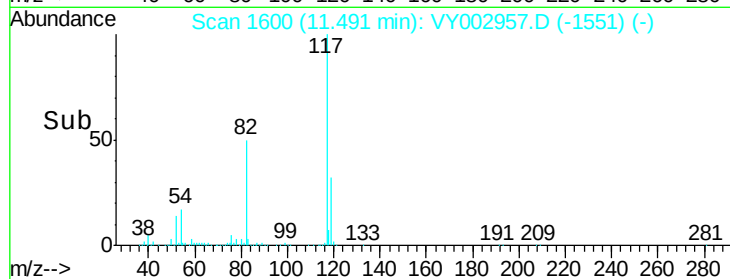
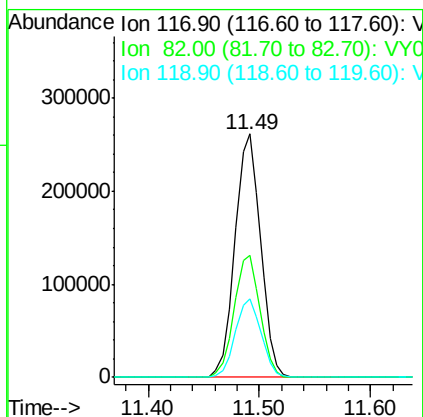
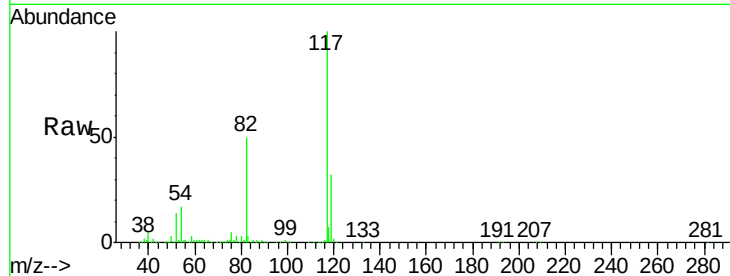




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002957.D
Acq: 19 Jun 2020 22:58

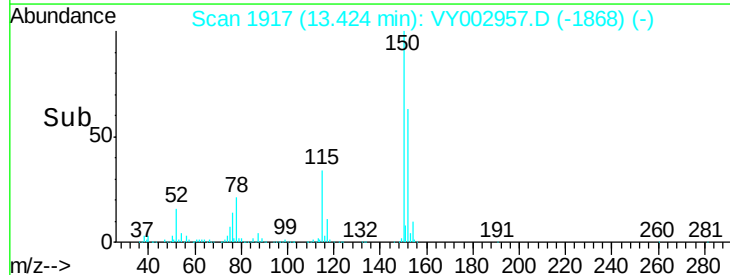
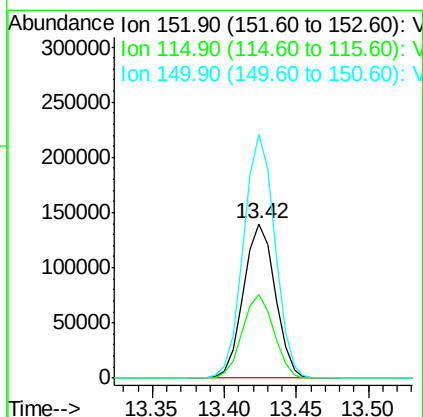
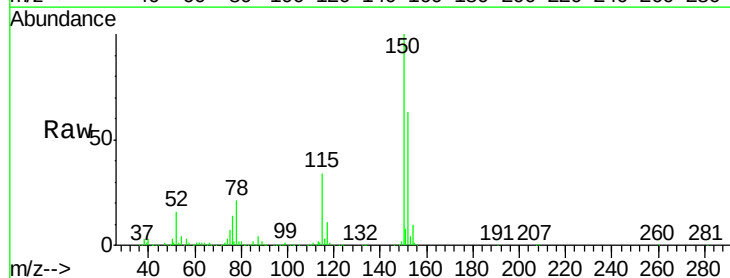
Instrument :
MSVOA_Y
ClientSampleId :
TW-5

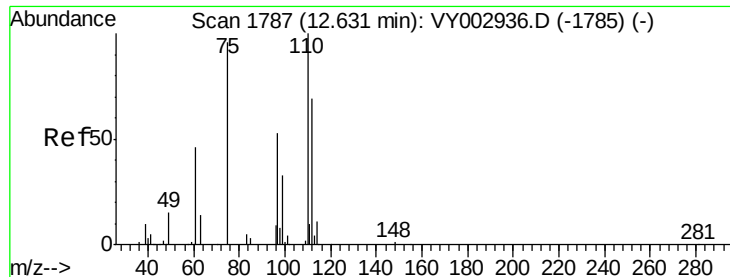
Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.9	39.4	59.0
119	32.4	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002957.D
Acq: 19 Jun 2020 22:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	26.9	80.6
150	156.0	0.0	341.8





#76

1,2,3-Trichloropropane

Concen: 45.745 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

Instrument :

MSVOA_Y

ClientSampled :

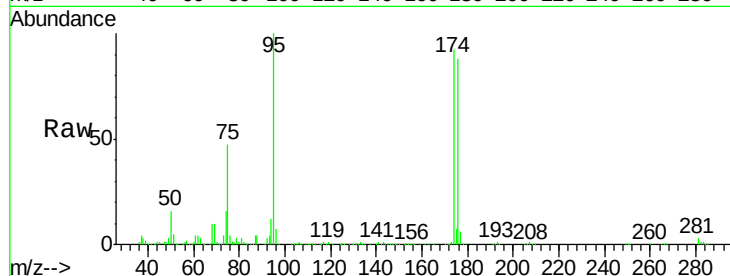
TW-5

Tgt Ion: 75 Resp: 84914

Ion Ratio Lower Upper

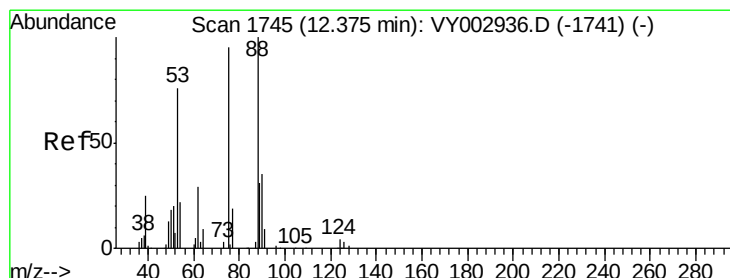
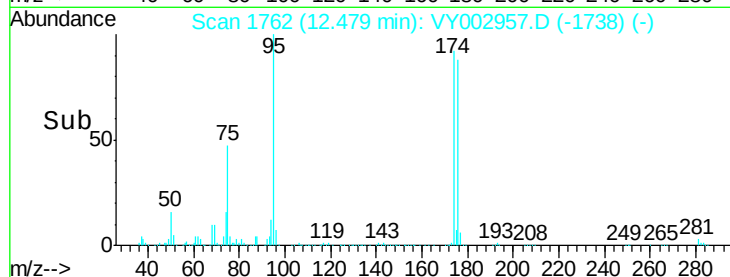
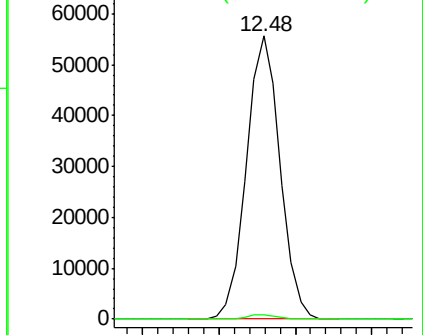
75 100

77 1.5 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: 87.336 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002957.D

Acq: 19 Jun 2020 22:58

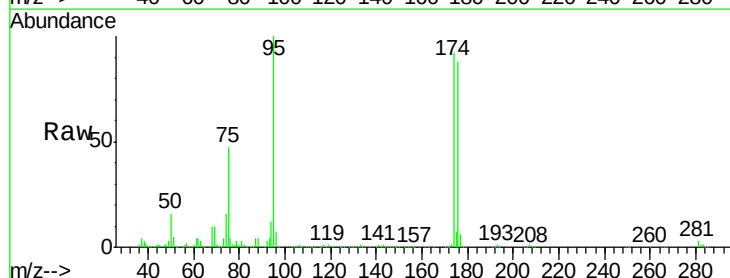
Tgt Ion: 75 Resp: 84914

Ion Ratio Lower Upper

75 100

53 0.1 65.1 97.7#

89 0.0 38.4 57.6#



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

