

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030920\
 Data File : VY001913.D
 Acq On : 09 Mar 2020 17:09
 Operator : SY/MD
 Sample : L1852-14
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-S2

Quant Time: Mar 10 11:55:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	133771	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	243359	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	170450	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	43571	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	79874	55.93	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	111.86%	
35) Dibromofluoromethane	7.73	113	74425	56.01	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	112.02%	
50) Toluene-d8	10.18	98	286109	51.06	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.48	95	58257	29.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	59.80%	

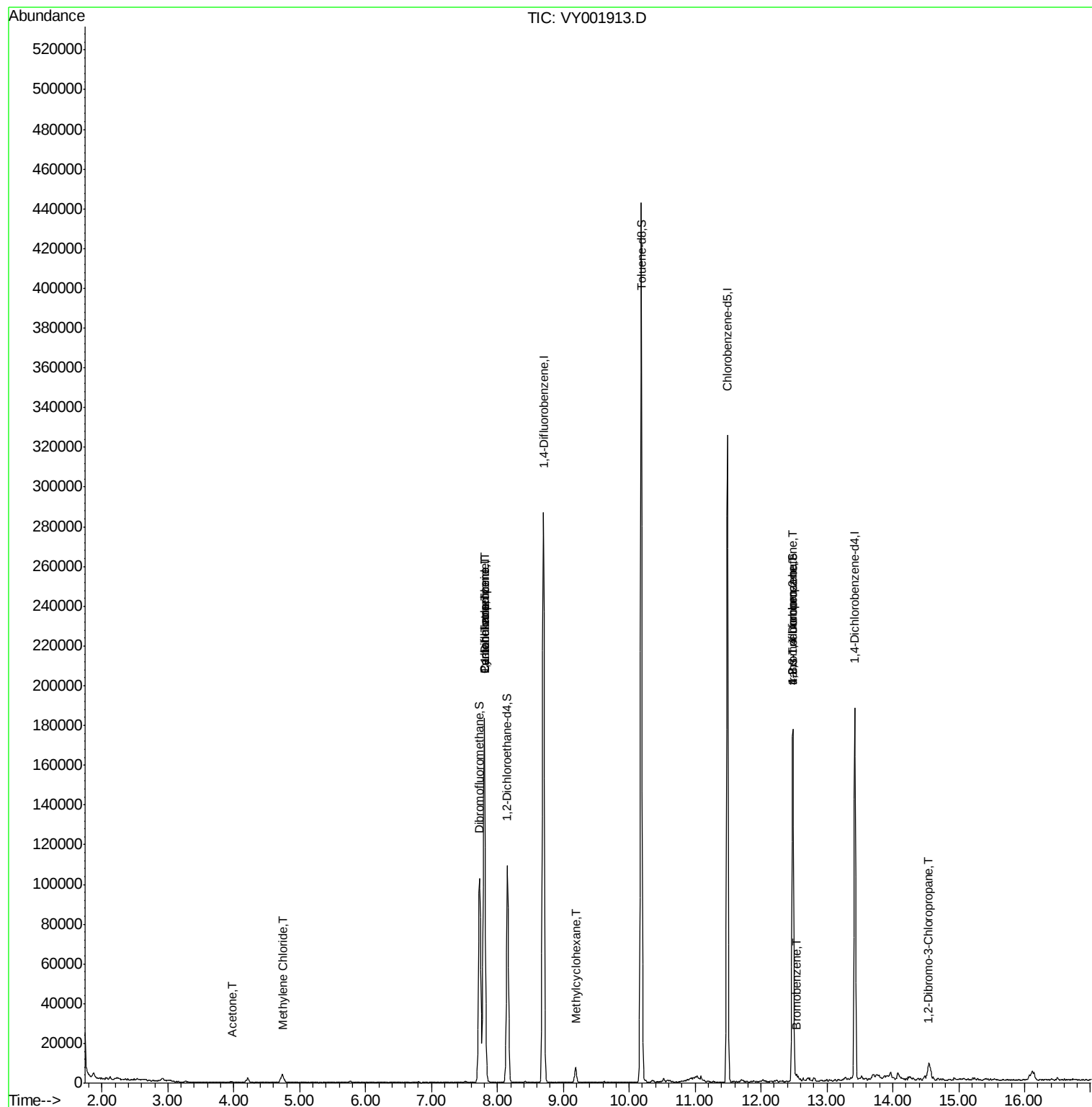
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	46	Below Cal		93
16) Acetone	3.97	43	605	1.45	ug/l #	82
20) Methylene Chloride	4.74	84	2905	1.63	ug/l	90
31) Cyclohexane	7.80	56	4224	1.35	ug/l #	13
36) 1,1-Dichloropropene	7.80	75	11832	5.05	ug/l #	49
38) Carbon Tetrachloride	7.80	117	13697	6.85	ug/l #	16
39) Methylcyclohexane	9.19	83	3613	1.16	ug/l #	76
76) 1,2,3-Trichloropropane	12.48	75	29506	57.07	ug/l #	100
77) Bromobenzene	12.54	156	1315	1.87	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	29506	115.28	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.53	75	140	1.25	ug/l #	1

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

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QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

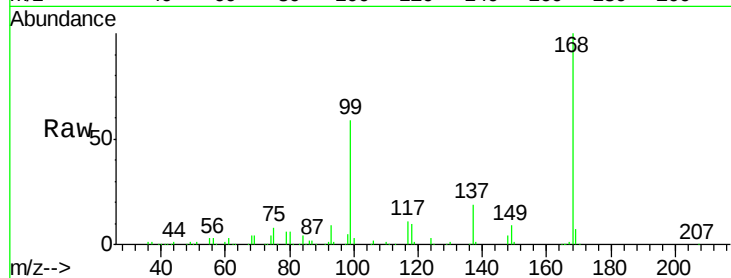
TP-3-S2

Tgt Ion:168 Resp: 133771

Ion Ratio Lower Upper

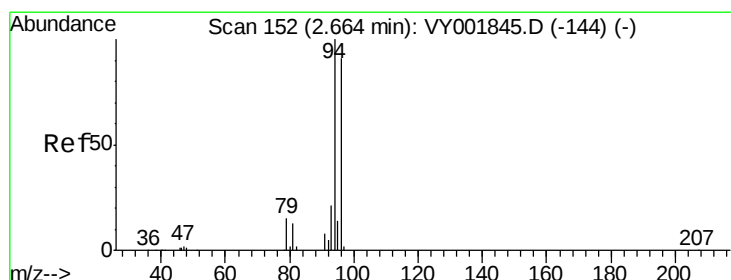
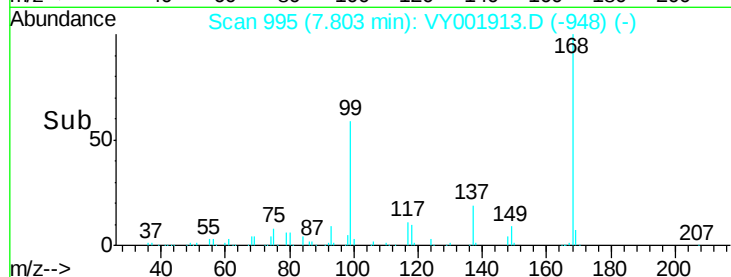
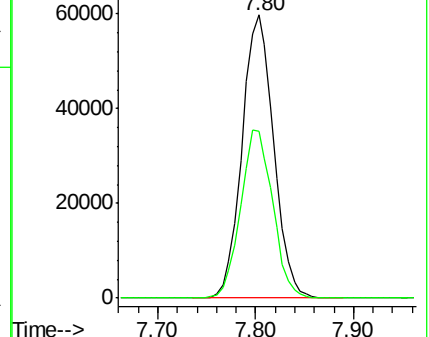
168 100

99 59.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 132

Delta R.T. -0.12 min

Lab File: VY001913.D

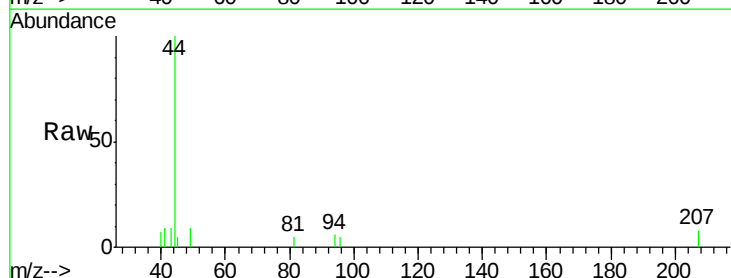
Acq: 09 Mar 2020 17:09

Tgt Ion: 94 Resp: 46

Ion Ratio Lower Upper

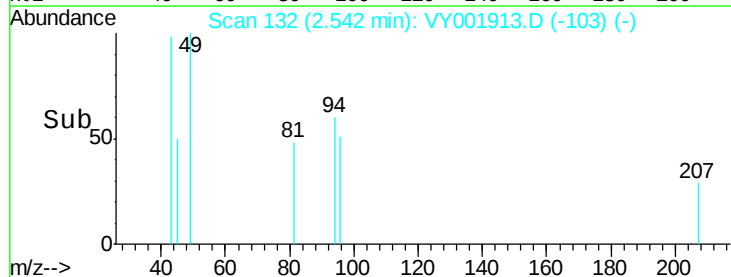
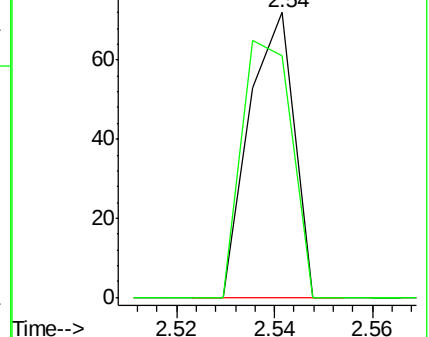
94 100

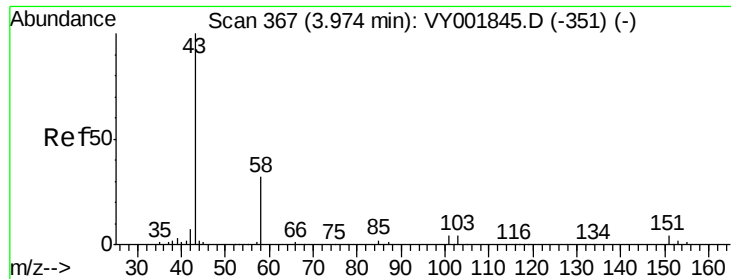
96 84.7 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)





#16

Acetone

Concen: 1.45 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

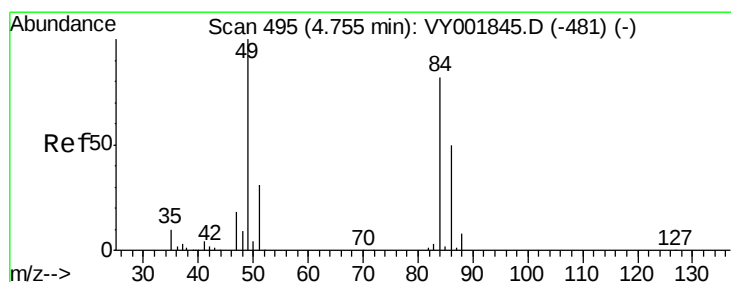
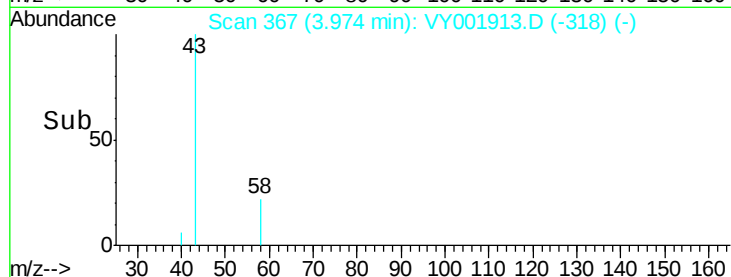
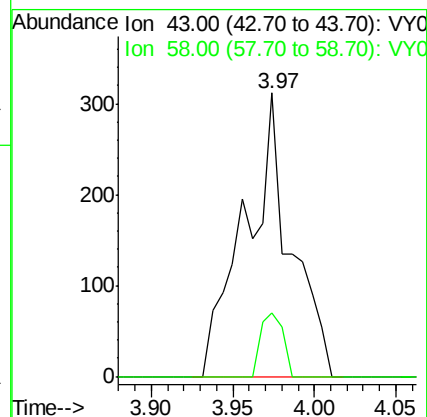
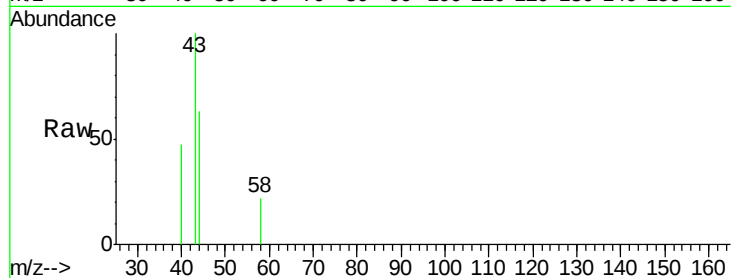
TP-3-S2

Tgt Ion: 43 Resp: 605

Ion Ratio Lower Upper

43 100

58 22.4 25.9 38.9#



#20

Methylene Chloride

Concen: 1.63 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Tgt Ion: 84 Resp: 2905

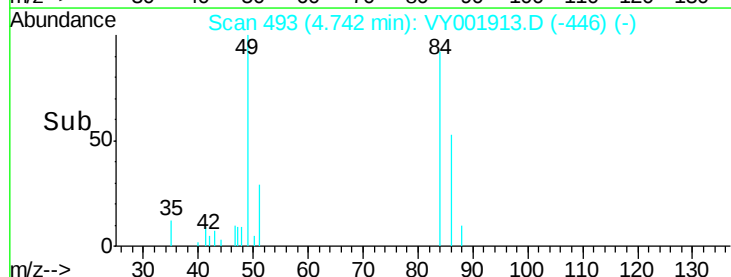
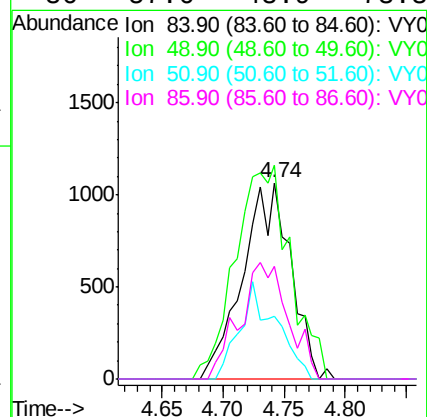
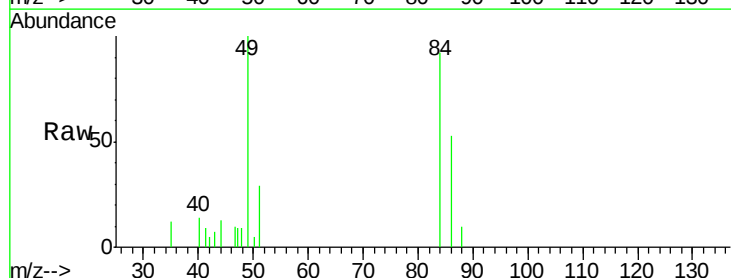
Ion Ratio Lower Upper

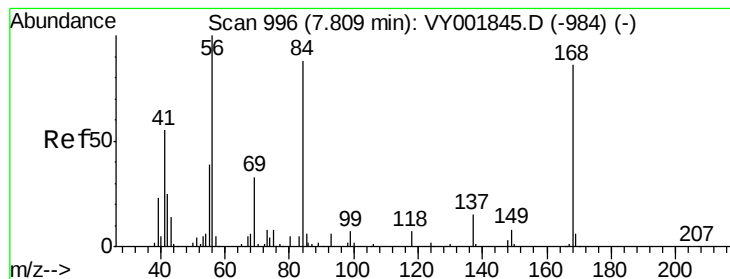
84 100

49 108.8 98.2 147.2

51 31.7 30.2 45.2

86 57.6 48.9 73.3





#31

Cyclohexane

Concen: 1.35 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-S2

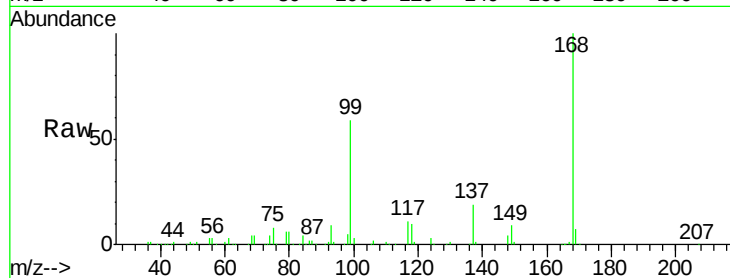
Tgt Ion: 56 Resp: 4224

Ion Ratio Lower Upper

56 100

69 124.2 26.7 40.1#

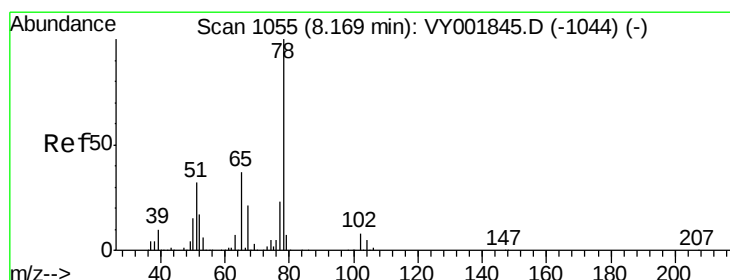
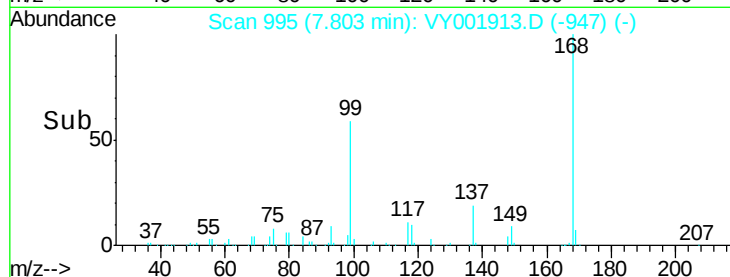
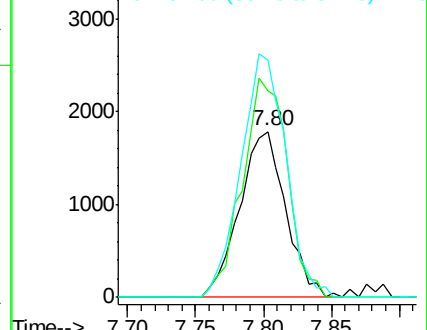
84 142.6 70.4 105.6#



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: 55.93 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001913.D

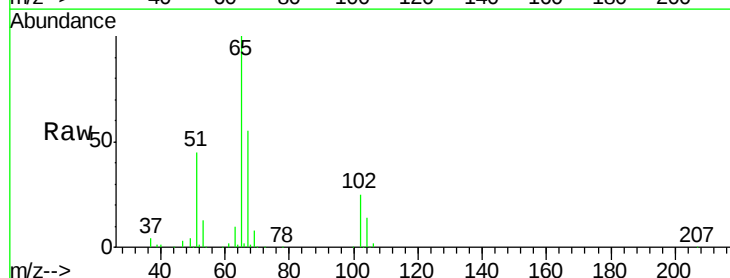
Acq: 09 Mar 2020 17:09

Tgt Ion: 65 Resp: 79874

Ion Ratio Lower Upper

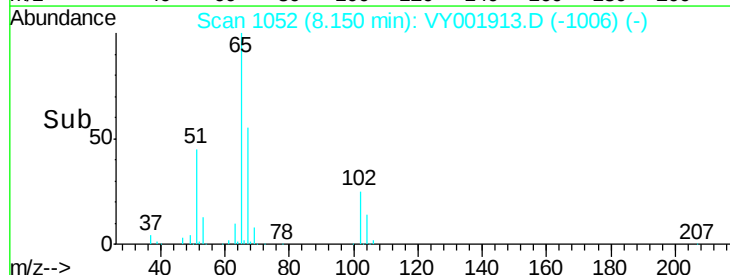
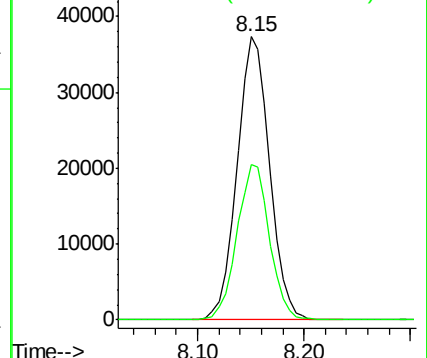
65 100

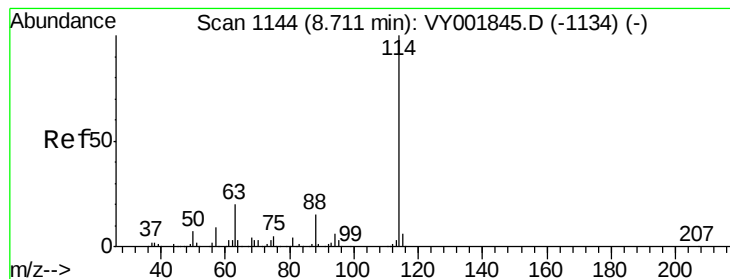
67 55.0 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-S2

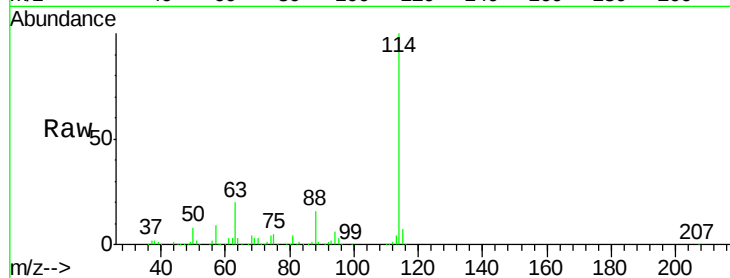
Tgt Ion:114 Resp: 243359

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

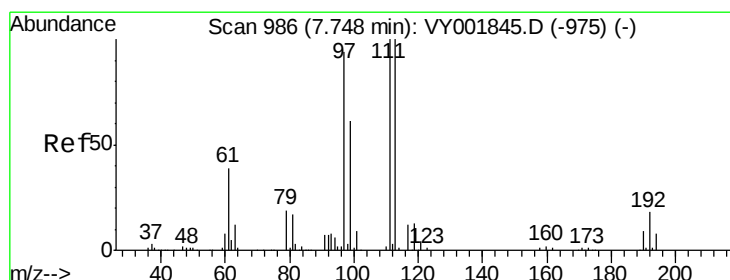
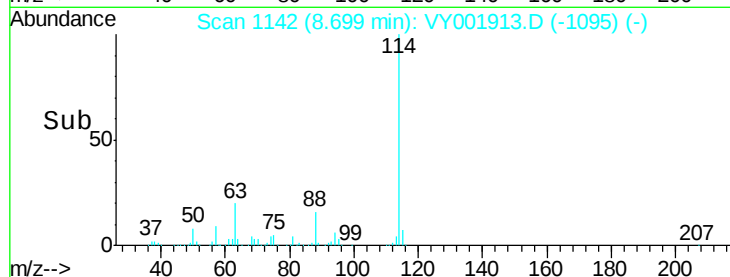
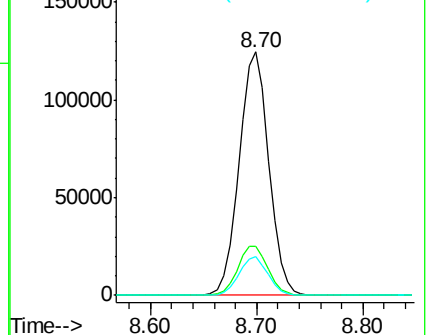
88 15.8 0.0 30.4



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: 56.01 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

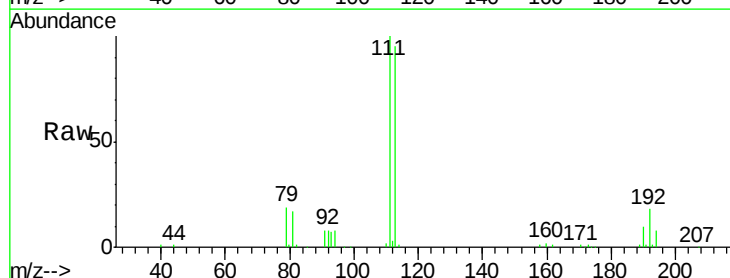
Tgt Ion:113 Resp: 74425

Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.8

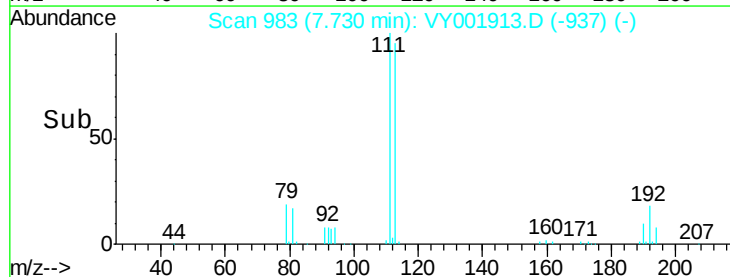
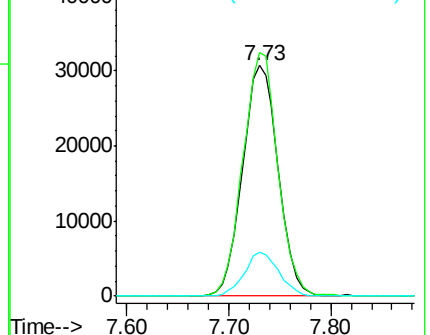
192 18.6 14.2 21.2

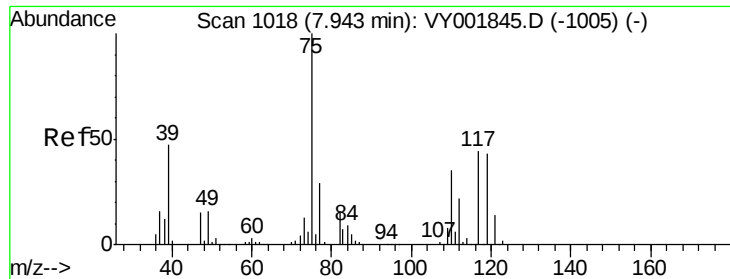


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

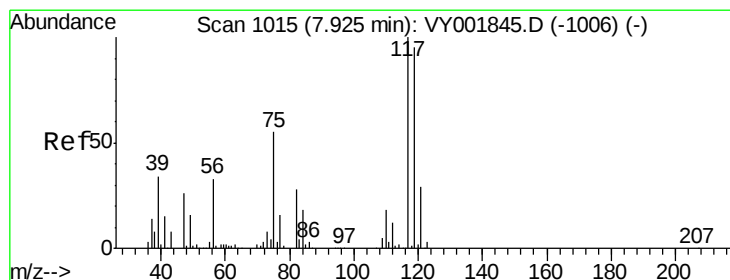
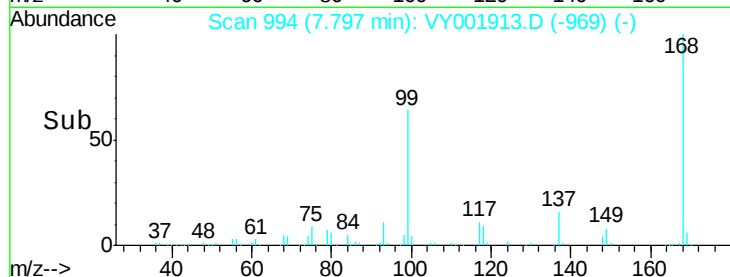
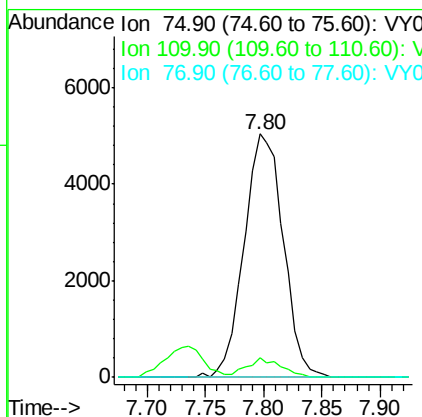
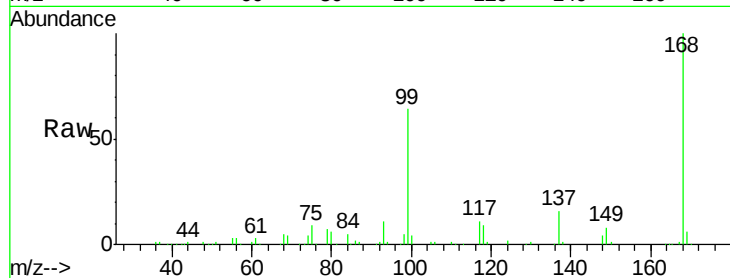




#36
 1,1-Dichloropropene
 Concen: 5.05 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.15 min
 Lab File: VY001913.D
 Acq: 09 Mar 2020 17:09

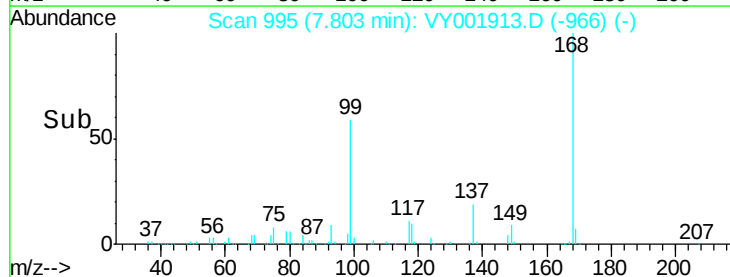
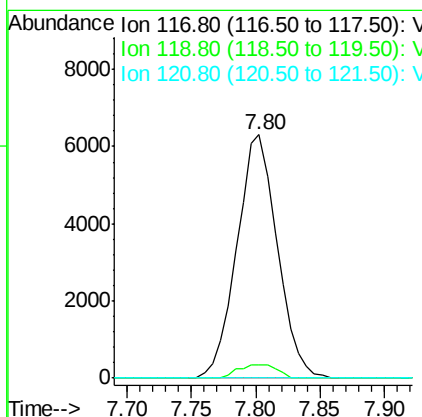
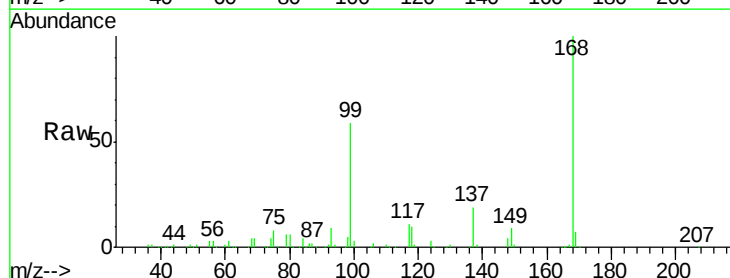
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 TP-3-S2

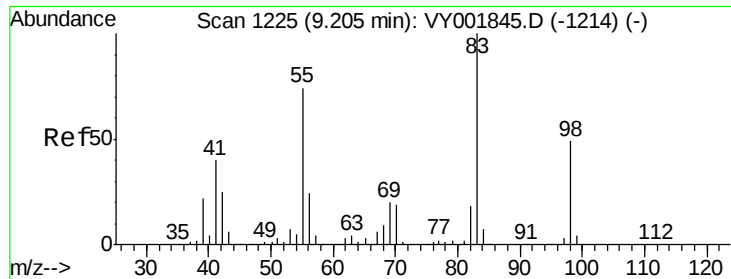
Tgt Ion: 75 Resp: 11832
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.85 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001913.D
 Acq: 09 Mar 2020 17:09

Tgt Ion: 117 Resp: 13697
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.3 114.5#
 121 0.0 23.5 35.3#

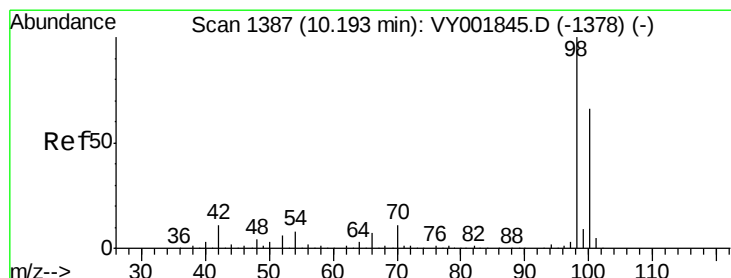
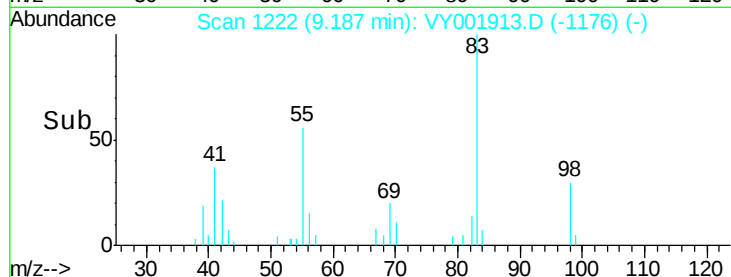
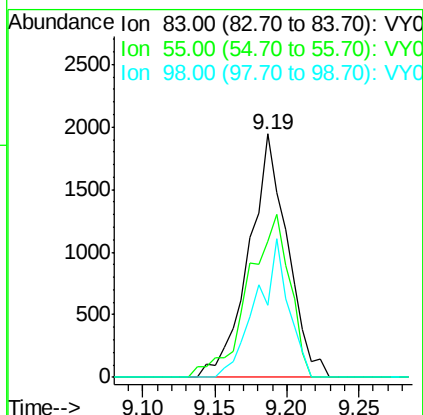
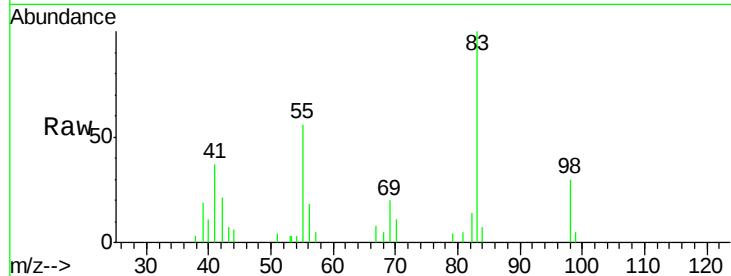




#39
Methylcyclohexane
Concen: 1.16 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.02 min
Lab File: VY001913.D
Acq: 09 Mar 2020 17:09

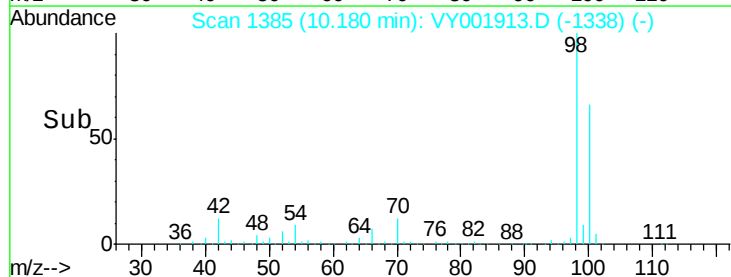
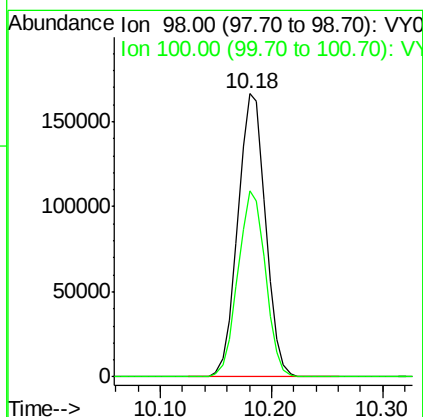
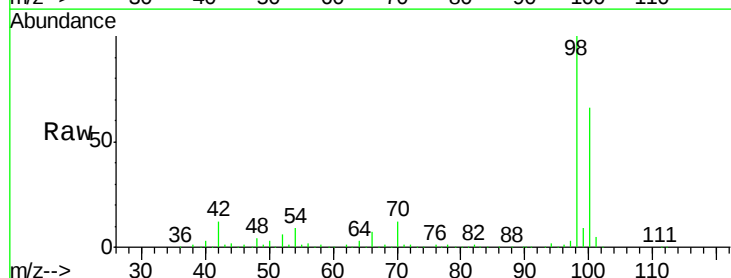
Instrument :
MSVOA_Y
ClientSampled :
TP-3-S2

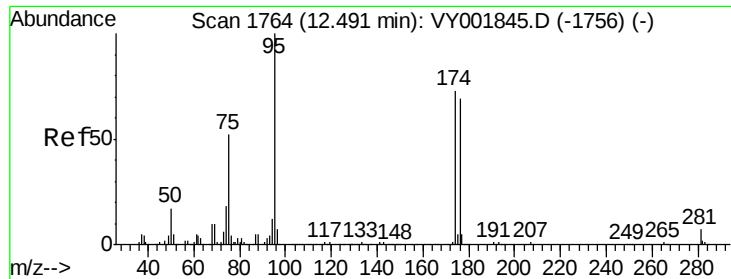
Tgt Ion: 83 Resp: 3613
Ion Ratio Lower Upper
83 100
55 55.8 59.4 89.0#
98 29.9 38.9 58.3#



#50
Toluene-d8
Concen: 51.06 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY001913.D
Acq: 09 Mar 2020 17:09

Tgt Ion: 98 Resp: 286109
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4

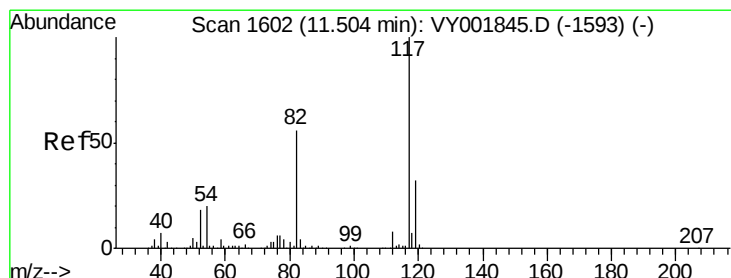
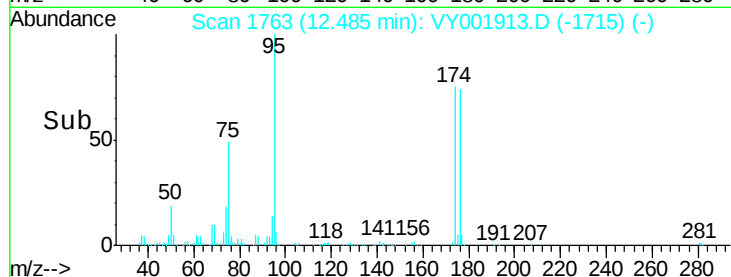
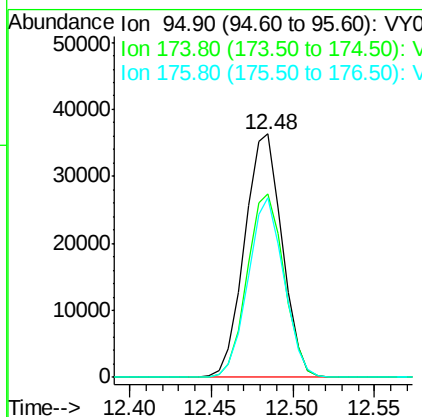
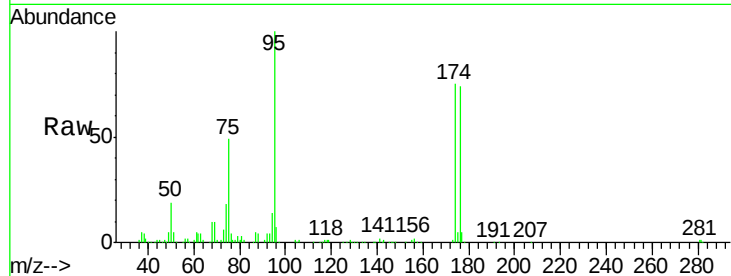




#62
4-Bromofluorobenzene
Concen: 29.90 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001913.D
Acq: 09 Mar 2020 17:09

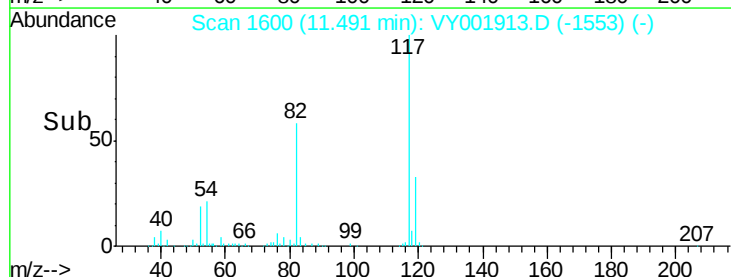
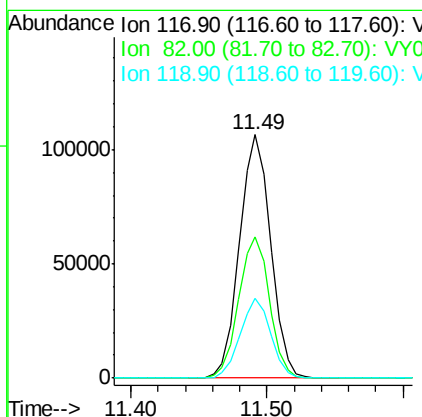
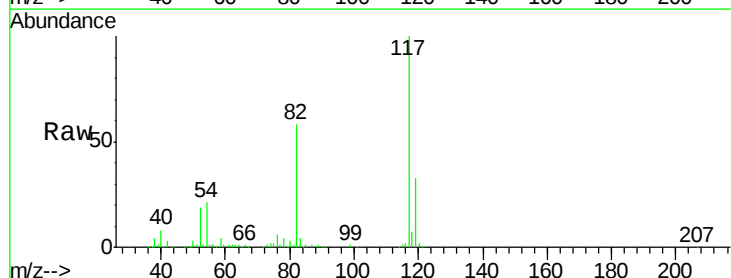
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-S2

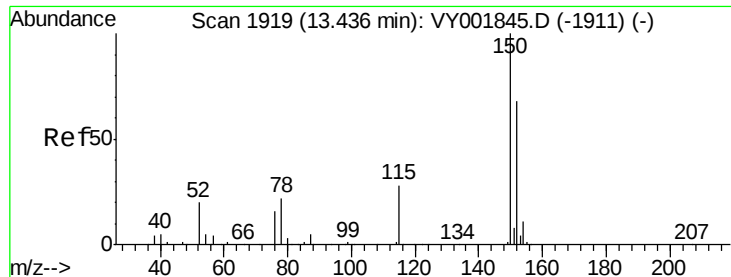
Tgt Ion: 95 Resp: 58257
Ion Ratio Lower Upper
95 100
174 74.1 0.0 145.0
176 70.4 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001913.D
Acq: 09 Mar 2020 17:09

Tgt Ion: 117 Resp: 170450
Ion Ratio Lower Upper
117 100
82 58.0 44.5 66.7
119 33.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Instrument :

MSVOA_Y

ClientSampled :

TP-3-S2

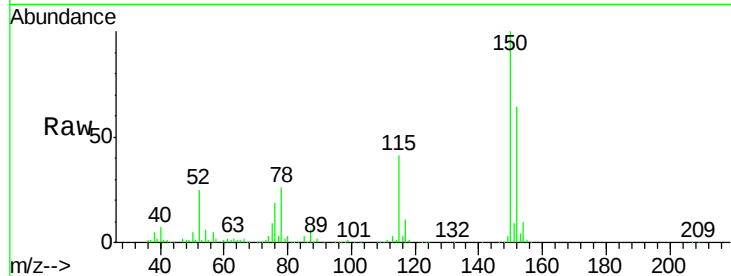
Tgt Ion:152 Resp: 43571

Ion Ratio Lower Upper

152 100

115 61.8 29.9 89.7

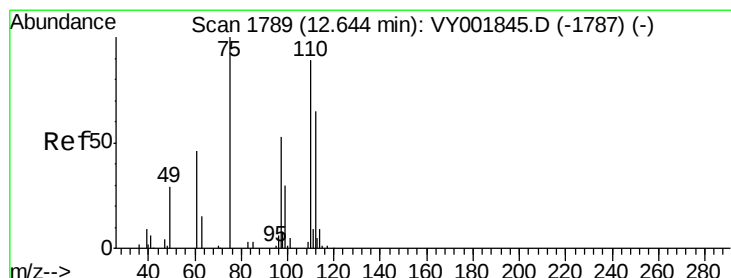
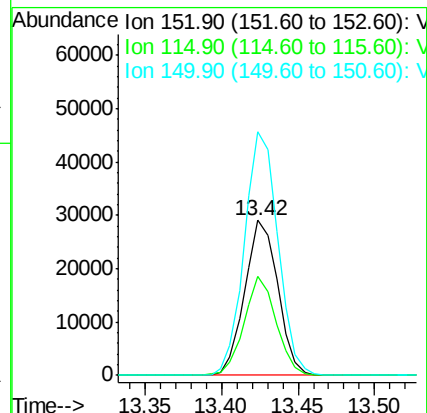
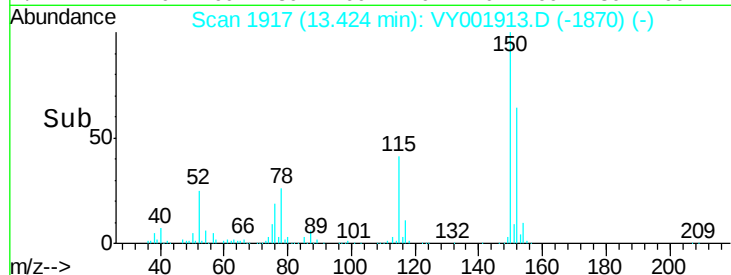
150 159.4 0.0 340.6



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: 57.07 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY001913.D

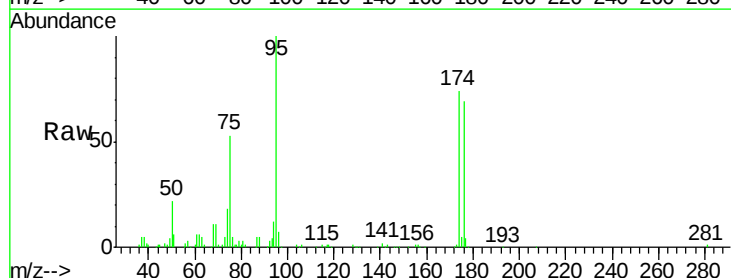
Acq: 09 Mar 2020 17:09

Tgt Ion: 75 Resp: 29506

Ion Ratio Lower Upper

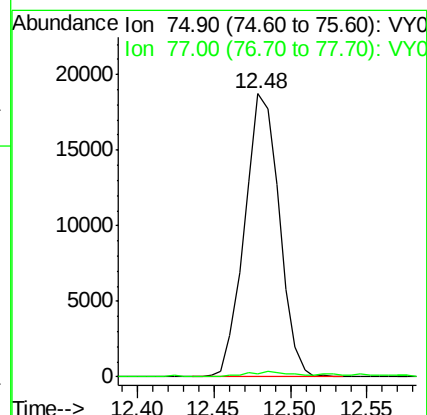
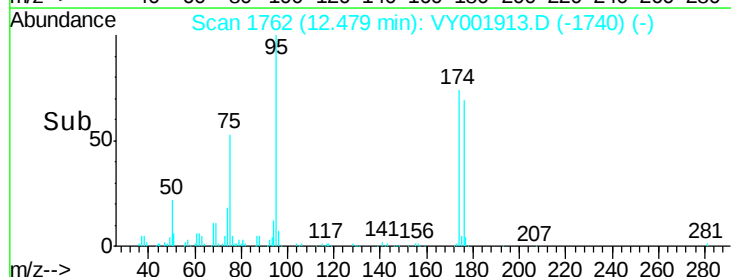
75 100

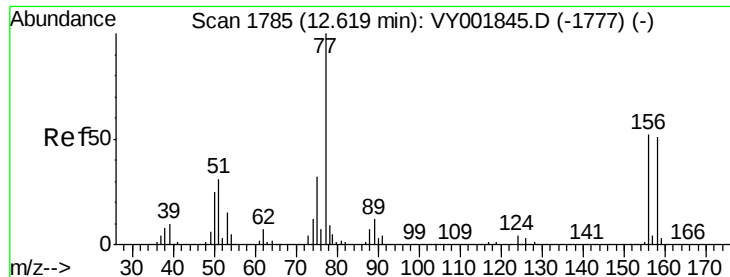
77 2.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 1.87 ug/l

RT: 12.54 min Scan# 1772

Delta R.T. -0.08 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Instrument :

MSVOA_Y

ClientSampled :

TP-3-S2

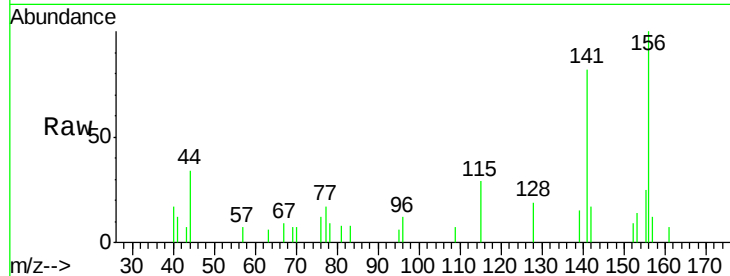
Tgt Ion:156 Resp: 1315

Ion Ratio Lower Upper

156 100

77 5.8 109.0 327.0#

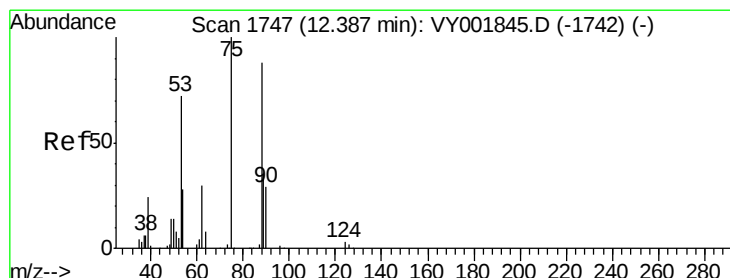
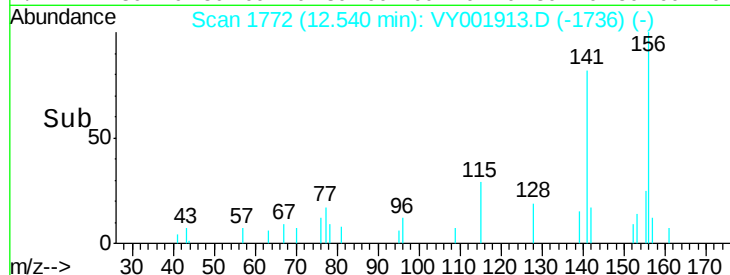
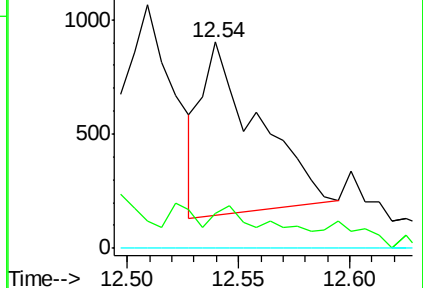
158 0.0 48.9 146.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 115.28 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

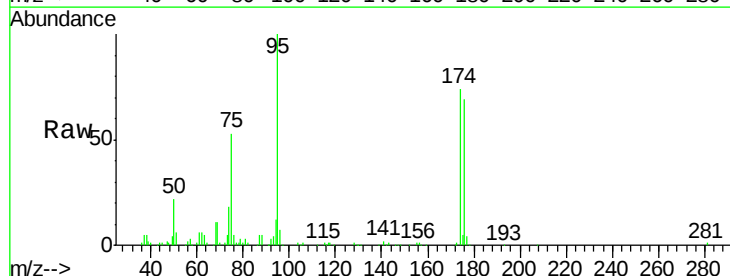
Tgt Ion: 75 Resp: 29506

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

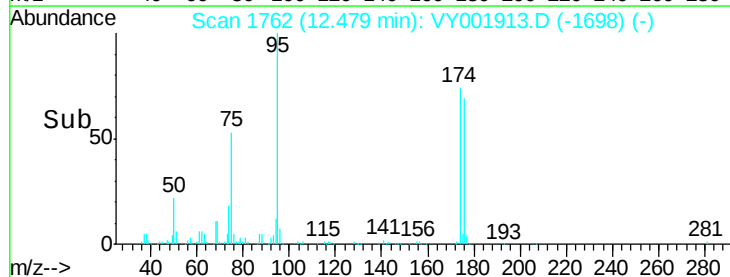
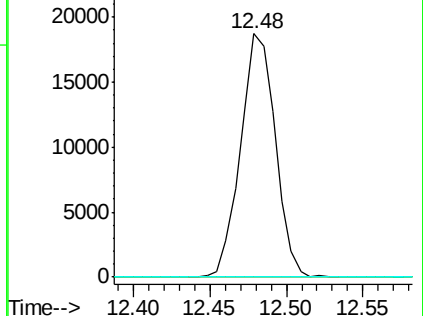
89 0.1 36.0 54.0#

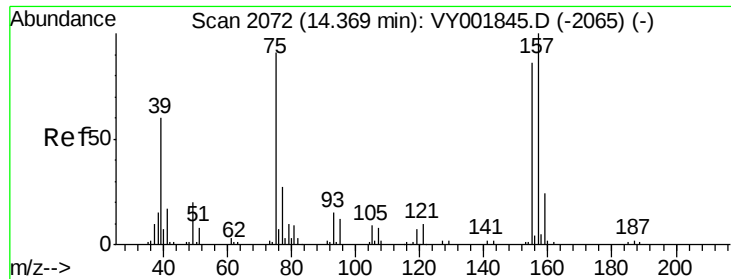


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.25 ug/l

RT: 14.53 min Scan# 2098

Delta R.T. 0.16 min

Lab File: VY001913.D

Acq: 09 Mar 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-S2

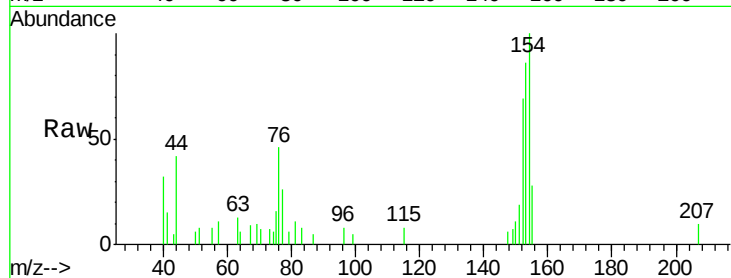
Tgt Ion: 75 Resp: 140

Ion Ratio Lower Upper

75 100

155 280.7 42.9 128.7#

157 0.0 53.1 159.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

