

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
 Data File : VY000954.D
 Acq On : 16 Dec 2019 15:05
 Operator : SY/MD
 Sample : K6267-01RE
 Misc : 2.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-3

Quant Time: Dec 17 06:05:23 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	247257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	463553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	412413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	179306	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	143142	54.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.96%	
35) Dibromofluoromethane	7.72	113	134761	49.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.76%	
50) Toluene-d8	10.18	98	549538	50.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.47	95	181038	44.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.26%	

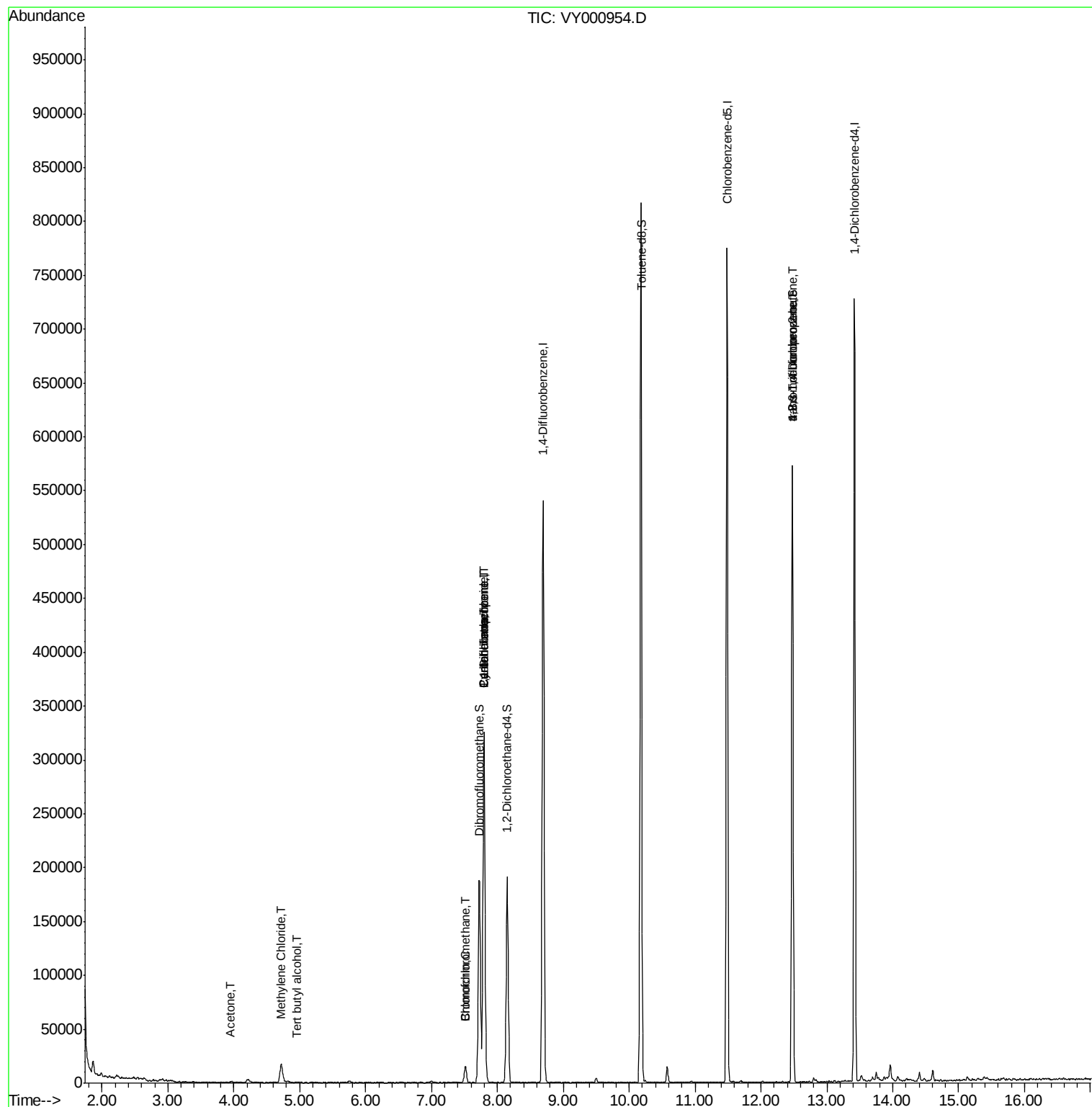
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	225	Below Cal	#	60
11) Tert butyl alcohol	4.96	59	271	1.025	ug/l #	74
16) Acetone	3.96	43	1602	2.658	ug/l	90
20) Methylene Chloride	4.72	84	12707	4.000	ug/l	91
28) Bromochloromethane	7.52	49	1207	2.615	ug/l #	15
30) Chloroform	7.52	83	15641	2.961	ug/l	87
31) Cyclohexane	7.80	56	5623	1.008	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20308	4.406	ug/l #	50
38) Carbon Tetrachloride	7.80	117	24474	5.962	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	89770	44.189	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	89770	86.799	ug/l #	18

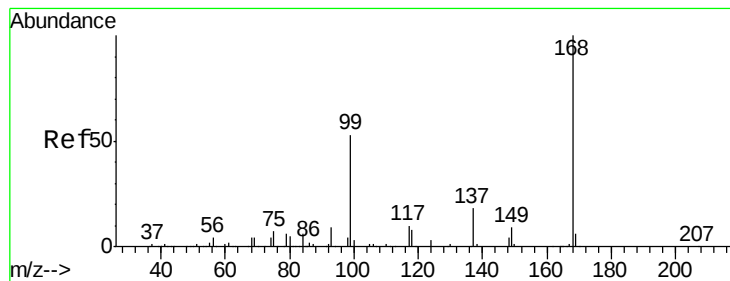
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000954.D

Acq: 16 Dec 2019 15:05

Instrument :

MSVOA_Y

ClientSampleId :

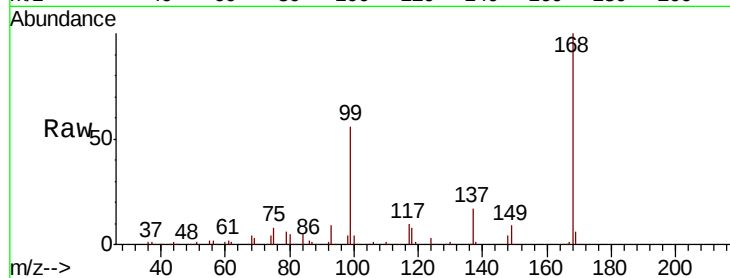
WO-3

Tgt Ion: 168 Resp: 247257

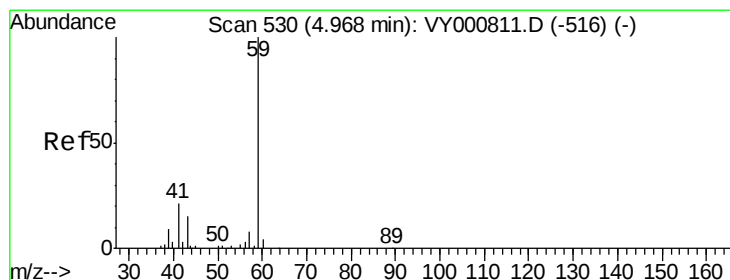
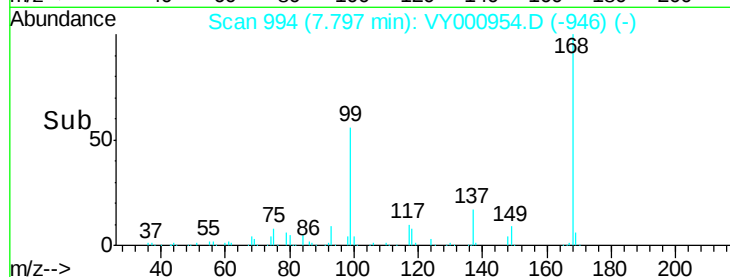
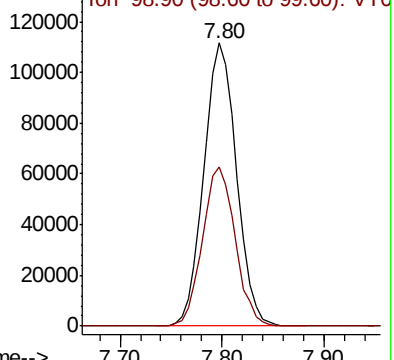
Ion Ratio Lower Upper

168 100

99 56.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000954.D (-946) (-)



#11

Tert butyl alcohol

Concen: 1.025 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY000954.D

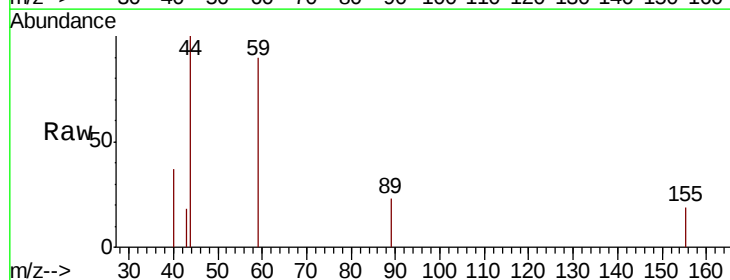
Acq: 16 Dec 2019 15:05

Tgt Ion: 59 Resp: 271

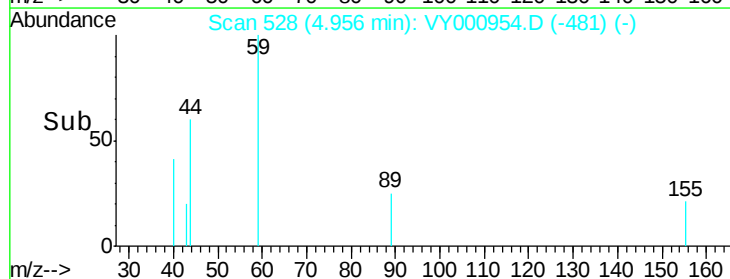
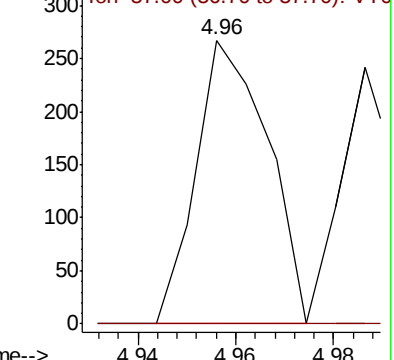
Ion Ratio Lower Upper

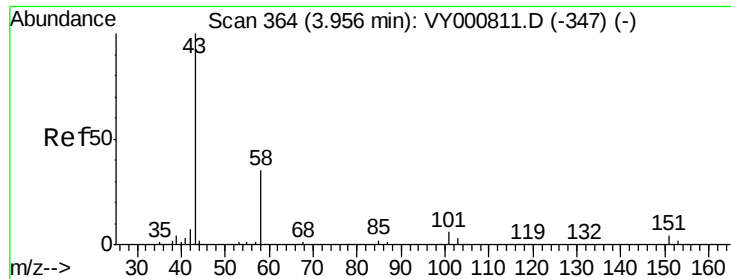
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000954.D (-481) (-)





#16

Acetone

Concen: 2.658 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000954.D

Acq: 16 Dec 2019 15:05

Instrument :

MSVOA_Y

ClientSampled :

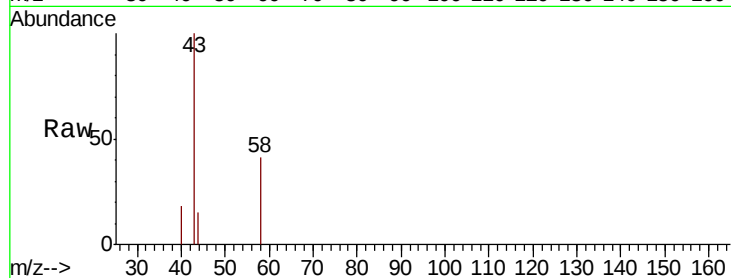
WO-3

Tgt Ion: 43 Resp: 1602

Ion Ratio Lower Upper

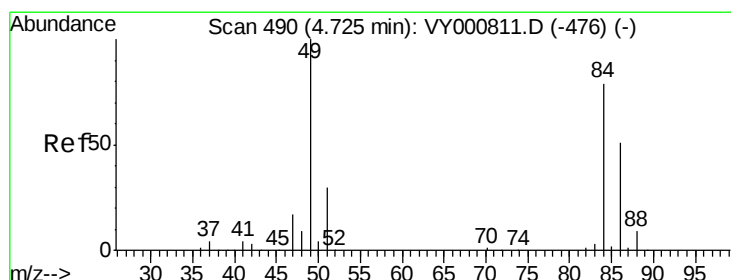
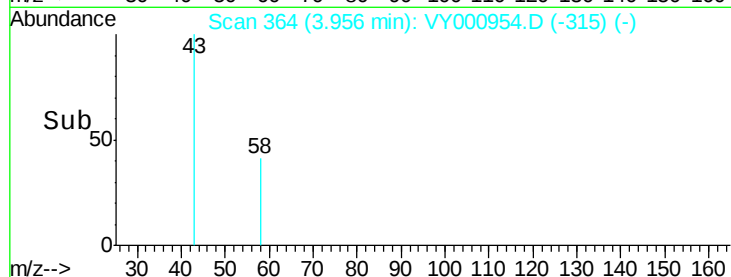
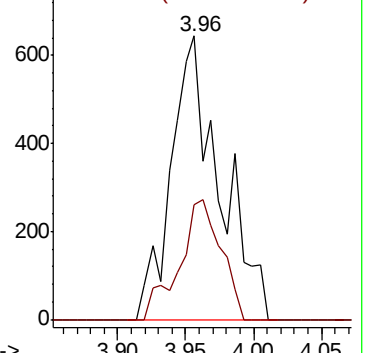
43 100

58 40.5 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 4.000 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000954.D

Acq: 16 Dec 2019 15:05

Tgt Ion: 84 Resp: 12707

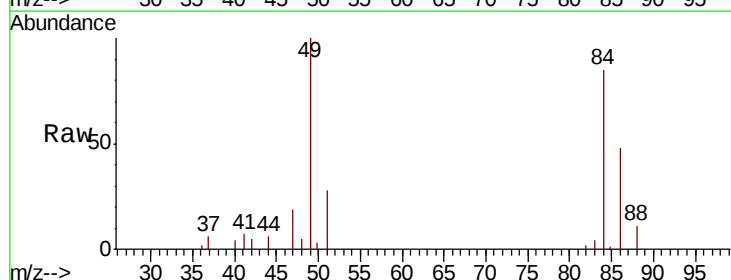
Ion Ratio Lower Upper

84 100

49 117.6 101.3 151.9

51 32.5 30.6 45.8

86 56.1 51.3 76.9

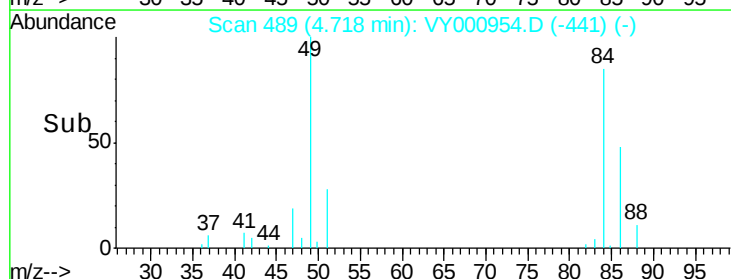
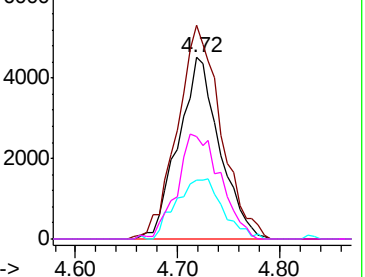


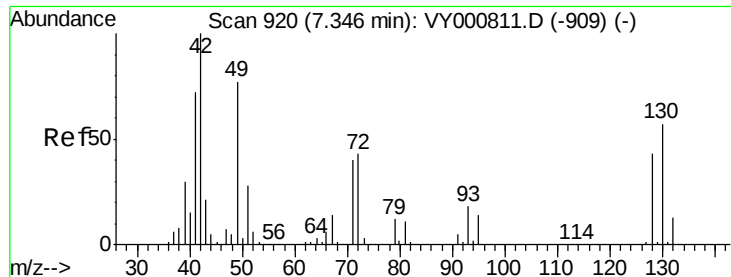
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#28

Bromochloromethane

Concen: 2.615 ug/l

RT: 7.52 min Scan# 948

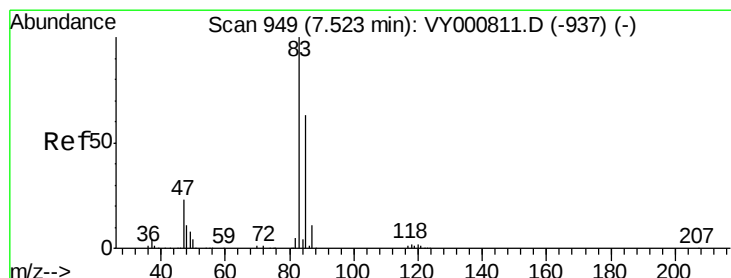
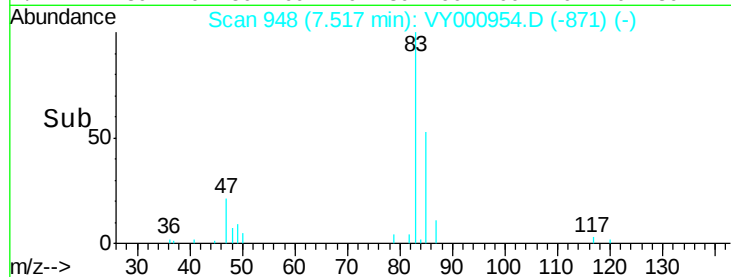
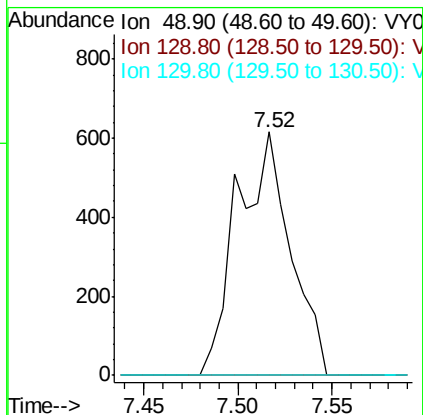
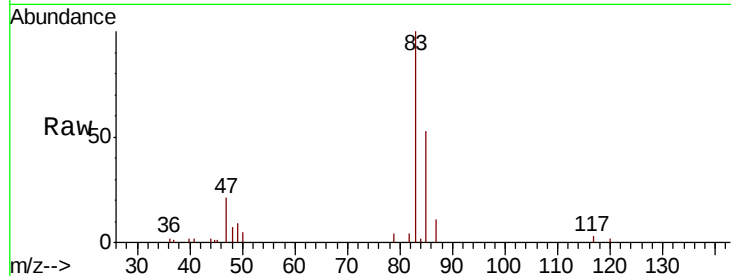
Delta R.T. 0.17 min

Lab File: VY000954.D

Acq: 16 Dec 2019 15:05

Instrument :
MSVOA_Y
ClientSampled :
WO-3

Tgt Ion: 49 Resp: 1207
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



#30

Chloroform

Concen: 2.961 ug/l

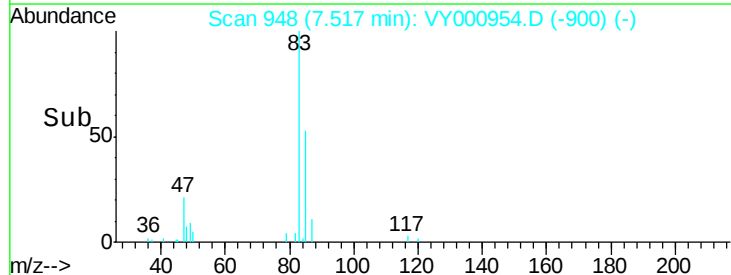
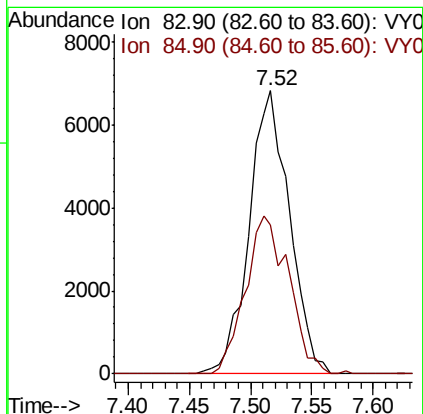
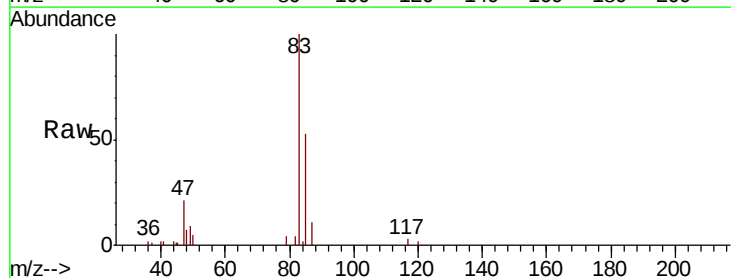
RT: 7.52 min Scan# 948

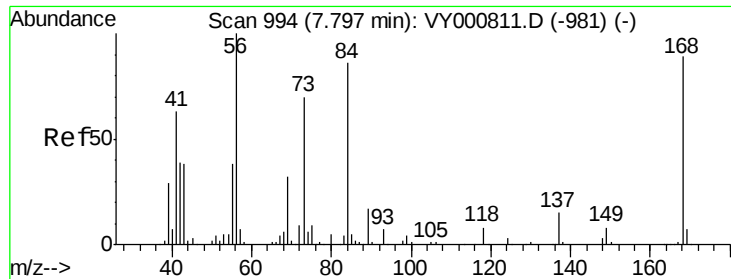
Delta R.T. -0.01 min

Lab File: VY000954.D

Acq: 16 Dec 2019 15:05

Tgt Ion: 83 Resp: 15641
Ion Ratio Lower Upper
83 100
85 52.8 50.4 75.6

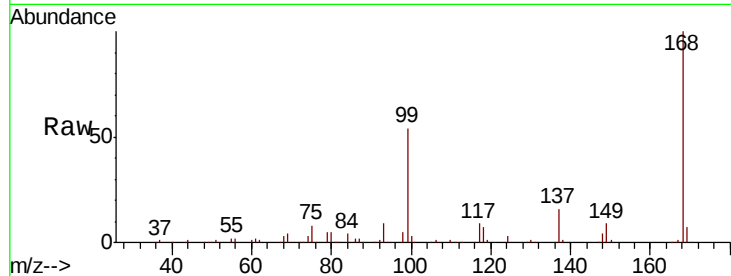




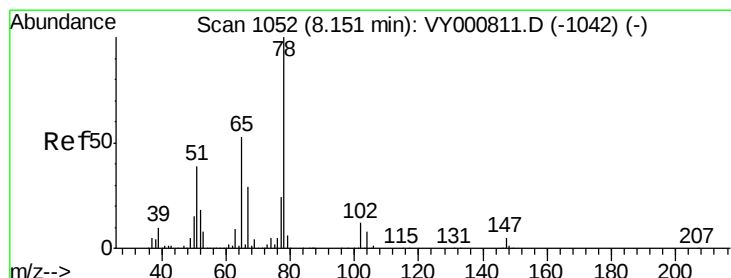
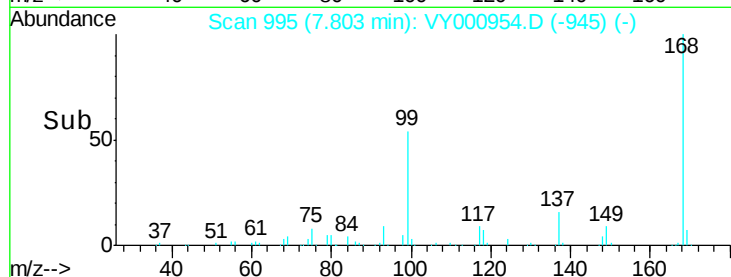
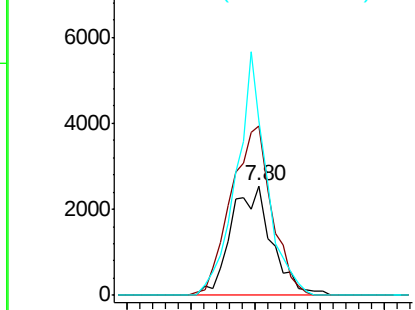
#31
Cyclohexane
Concen: 1.008 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000954.D
Acq: 16 Dec 2019 15:05

Instrument :
MSVOA_Y
ClientSampled :
WO-3

Tgt Ion: 56 Resp: 5623
Ion Ratio Lower Upper
56 100
69 154.7 25.9 38.9#
84 159.3 68.6 102.8#

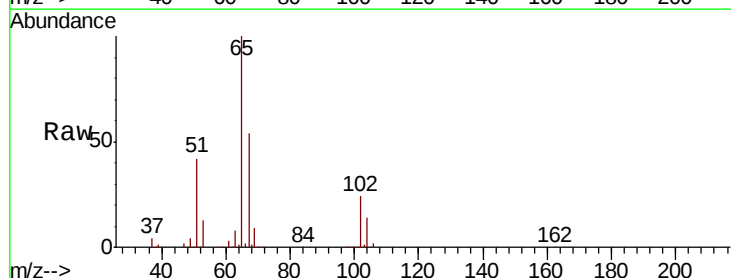


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

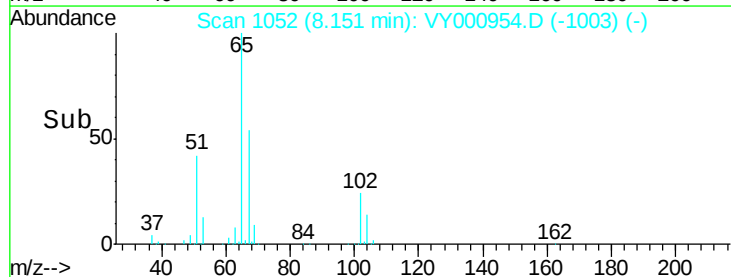
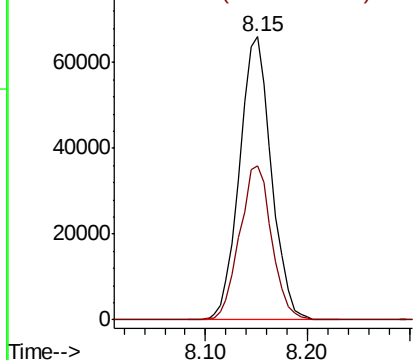


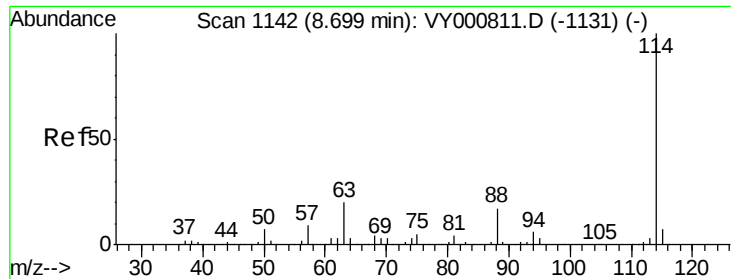
#33
1,2-Dichloroethane-d4
Concen: 54.482 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000954.D
Acq: 16 Dec 2019 15:05

Tgt Ion: 65 Resp: 143142
Ion Ratio Lower Upper
65 100
67 54.9 0.0 112.0



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

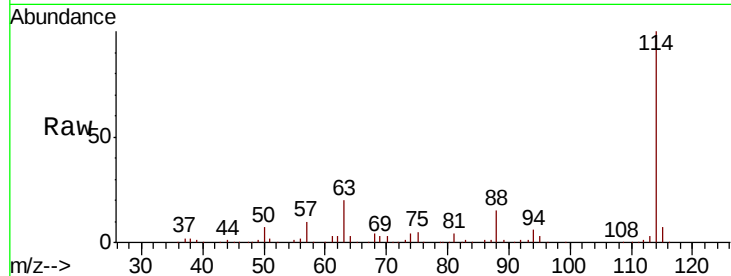




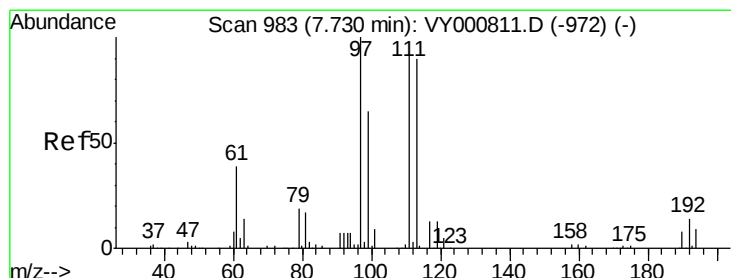
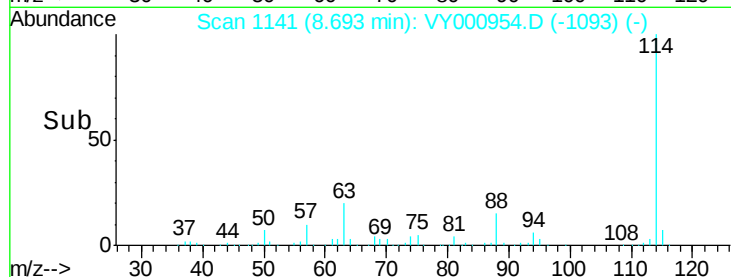
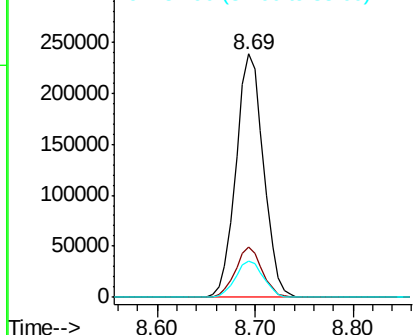
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000954.D
 Acq: 16 Dec 2019 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-3

Tgt Ion:114 Resp: 463553
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.8
 88 14.9 0.0 33.2

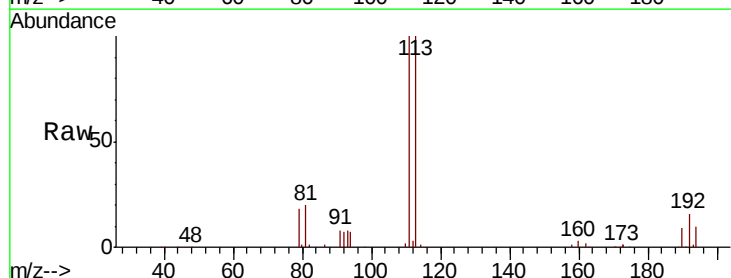


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

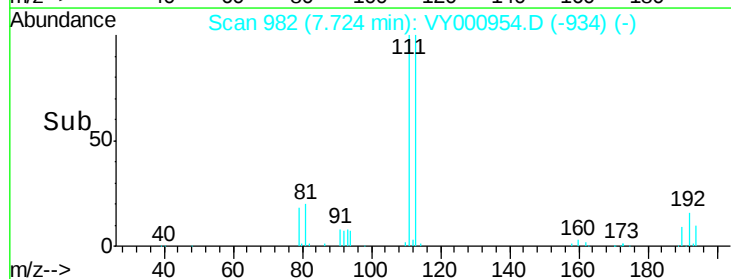
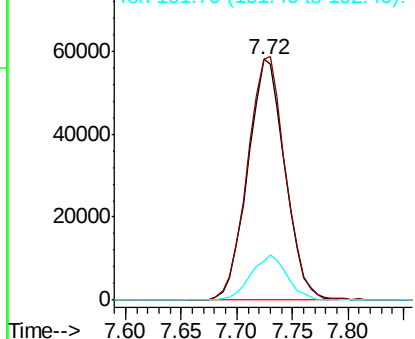


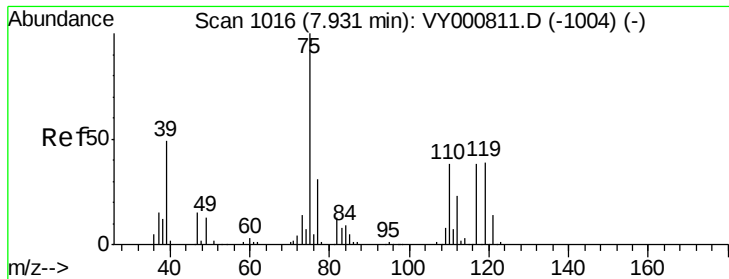
#35
 Dibromofluoromethane
 Concen: 49.882 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000954.D
 Acq: 16 Dec 2019 15:05

Tgt Ion:113 Resp: 134761
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 18.2 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

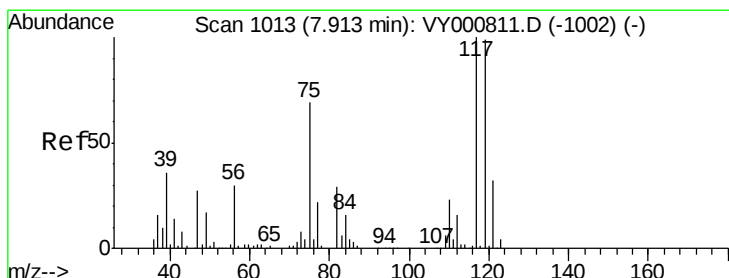
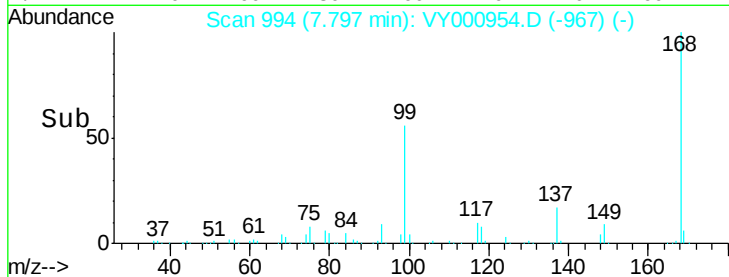
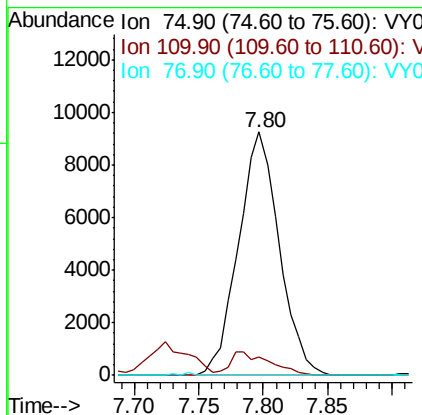
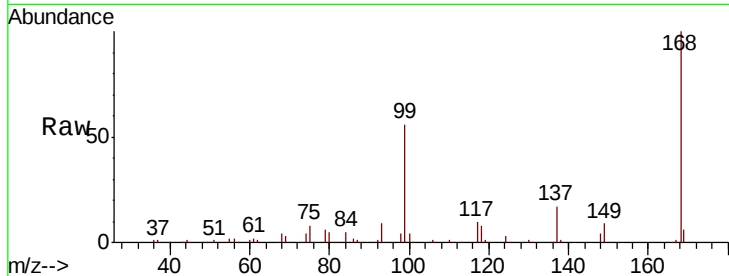




#36
 1,1-Dichloropropene
 Concen: 4.406 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000954.D
 Acq: 16 Dec 2019 15:05

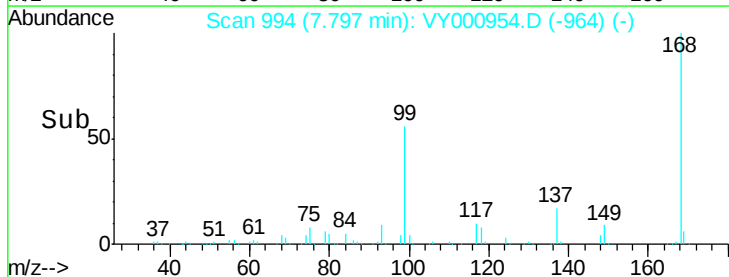
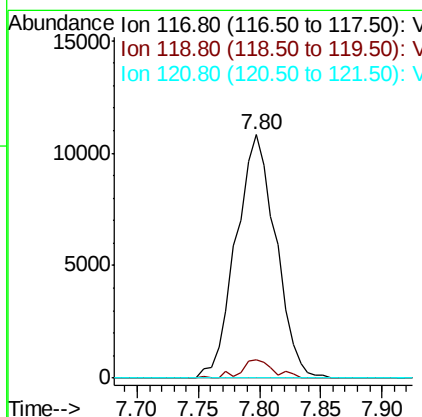
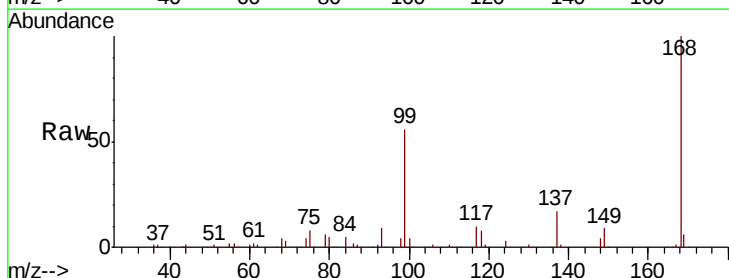
Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-3

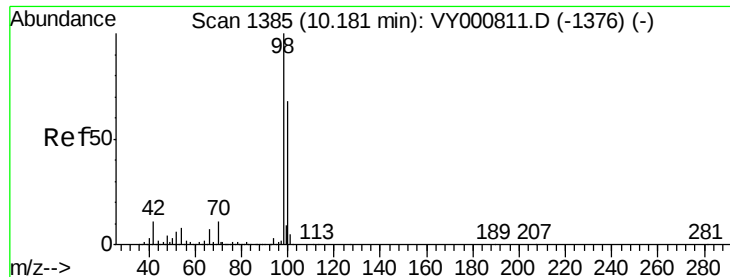
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.9	53.7#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.962 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000954.D
 Acq: 16 Dec 2019 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	79.3	118.9#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 50.879 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000954.D

Acq: 16 Dec 2019 15:05

Instrument :

MSVOA_Y

ClientSampleId :

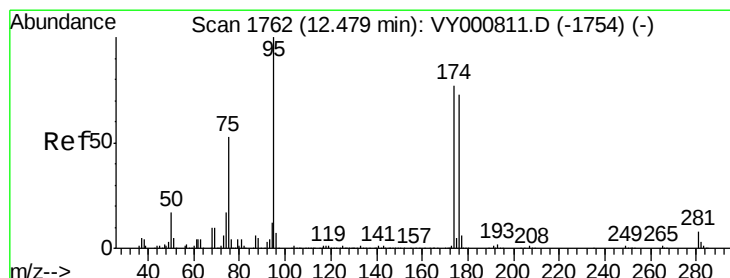
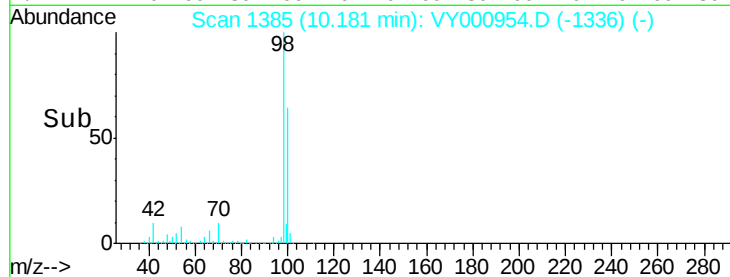
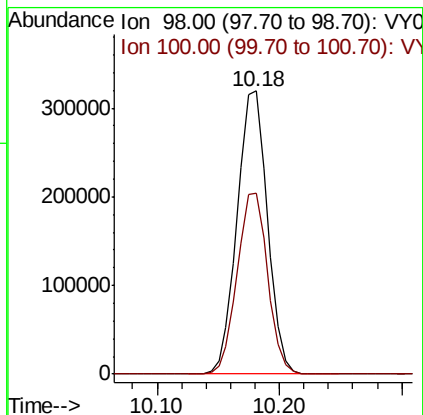
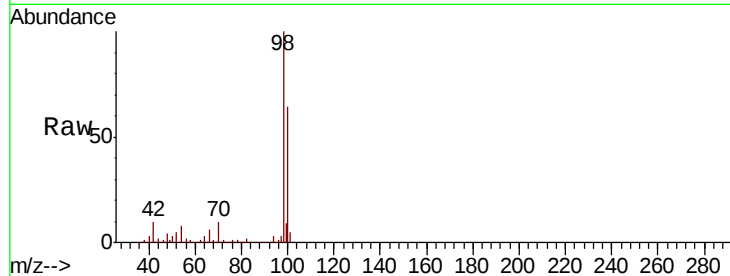
WO-3

Tgt Ion: 98 Resp: 549538

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.632 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY000954.D

Acq: 16 Dec 2019 15:05

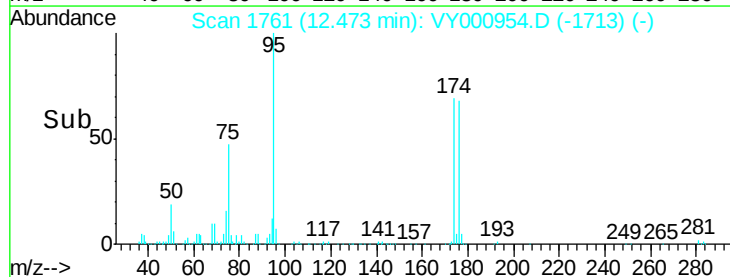
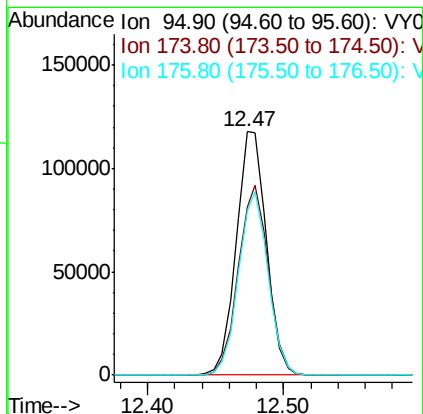
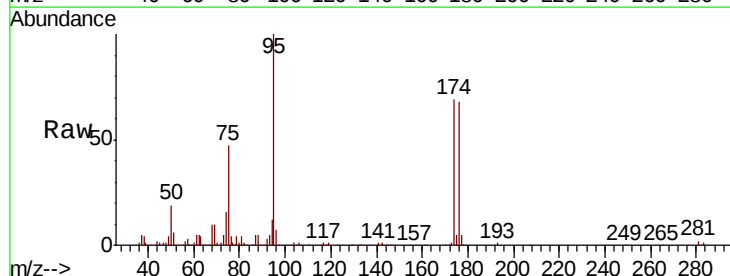
Tgt Ion: 95 Resp: 181038

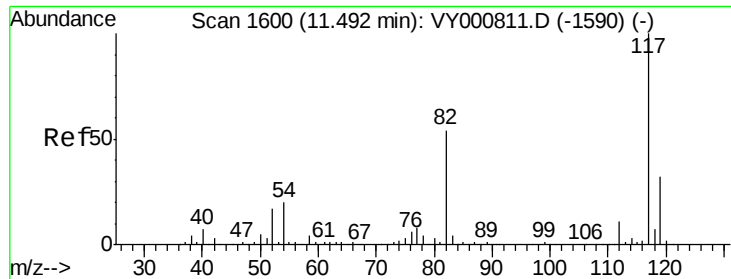
Ion Ratio Lower Upper

95 100

174 78.0 0.0 150.6

176 74.0 0.0 145.2

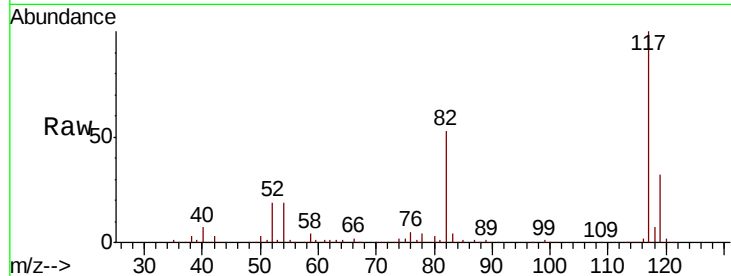




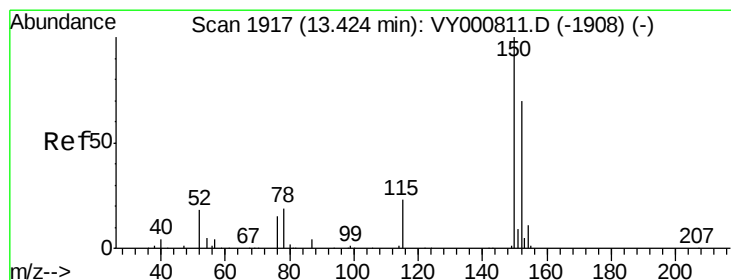
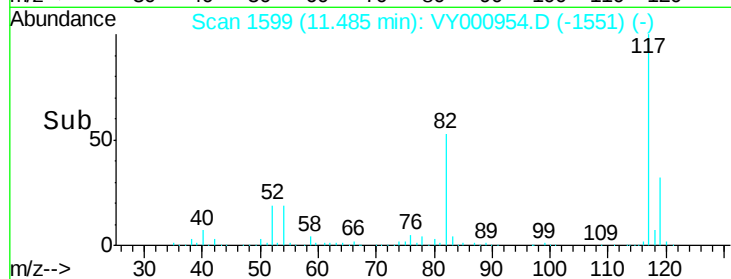
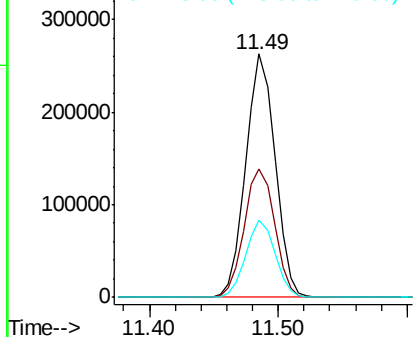
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000954.D
Acq: 16 Dec 2019 15:05

Instrument :
MSVOA_Y
ClientSampleId :
WO-3

Tgt Ion:117 Resp: 412413
Ion Ratio Lower Upper
117 100
82 52.8 43.1 64.7
119 31.5 25.3 37.9

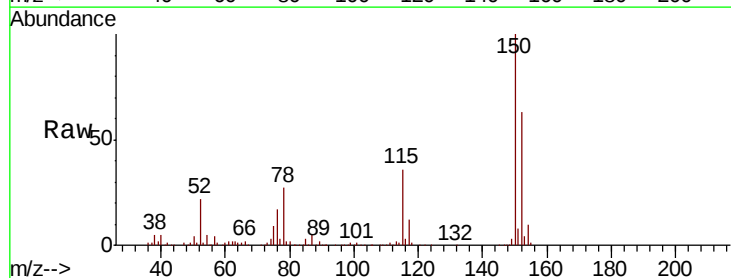


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

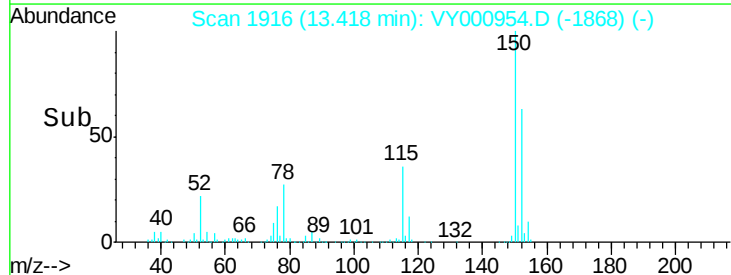
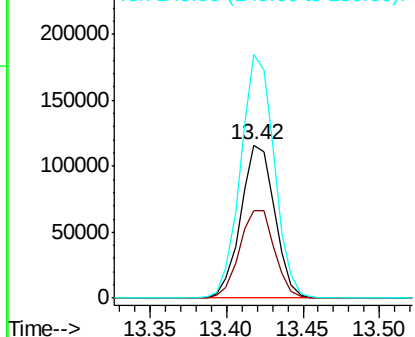


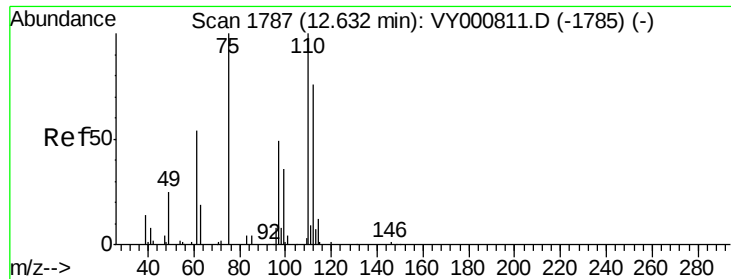
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000954.D
Acq: 16 Dec 2019 15:05

Tgt Ion:152 Resp: 179306
Ion Ratio Lower Upper
152 100
115 58.8 29.3 87.8
150 157.0 0.0 351.2



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: 44.189 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000954.D

Acq: 16 Dec 2019 15:05

Instrument :

MSVOA_Y

ClientSampleId :

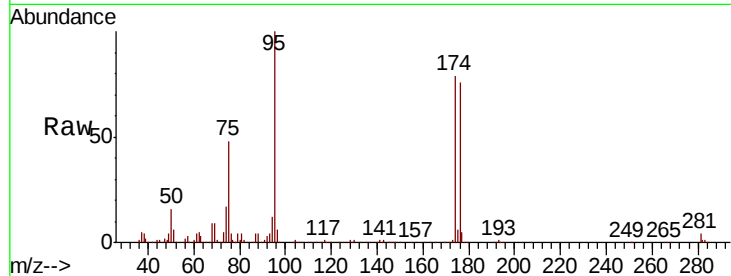
WO-3

Tgt Ion: 75 Resp: 89770

Ion Ratio Lower Upper

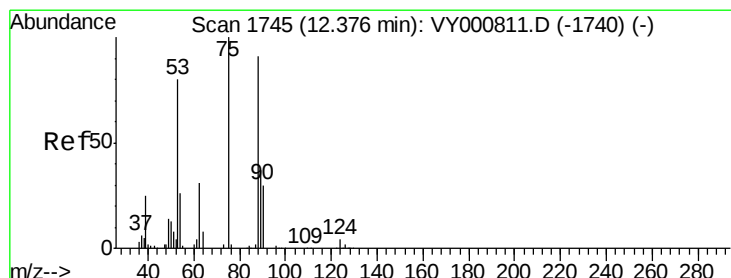
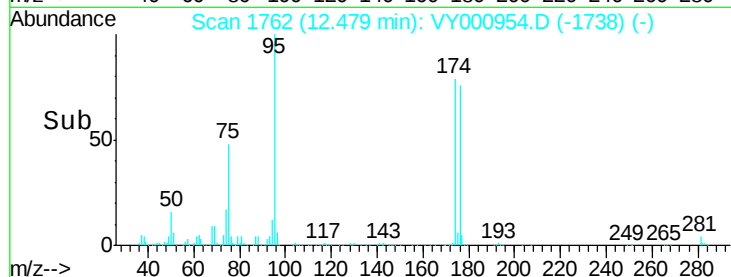
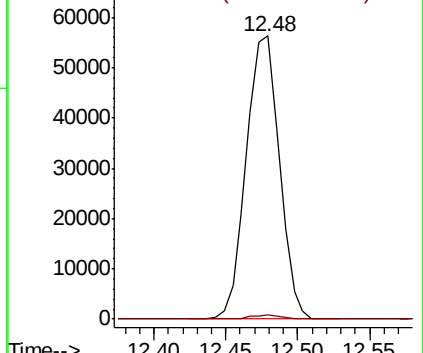
75 100

77 1.4 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: 86.799 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000954.D

Acq: 16 Dec 2019 15:05

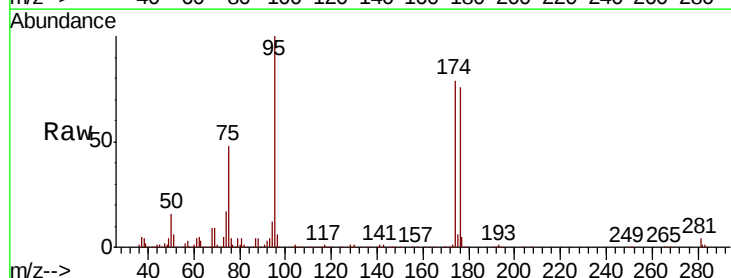
Tgt Ion: 75 Resp: 89770

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.2 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

