

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121719\
 Data File : VY000977.D
 Acq On : 17 Dec 2019 14:43
 Operator : SY/MD
 Sample : K6299-09
 Misc : 5.65G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SHORE-RD-BH-04

Quant Time: Dec 18 05:51:10 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	204467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	390427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	357356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	166879	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	122039	56.17	ug/l	0.00
Spiked Amount			Recovery	=	112.34%	
35) Dibromofluoromethane	7.72	113	114590	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.18	98	457869	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.48	95	157317	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	

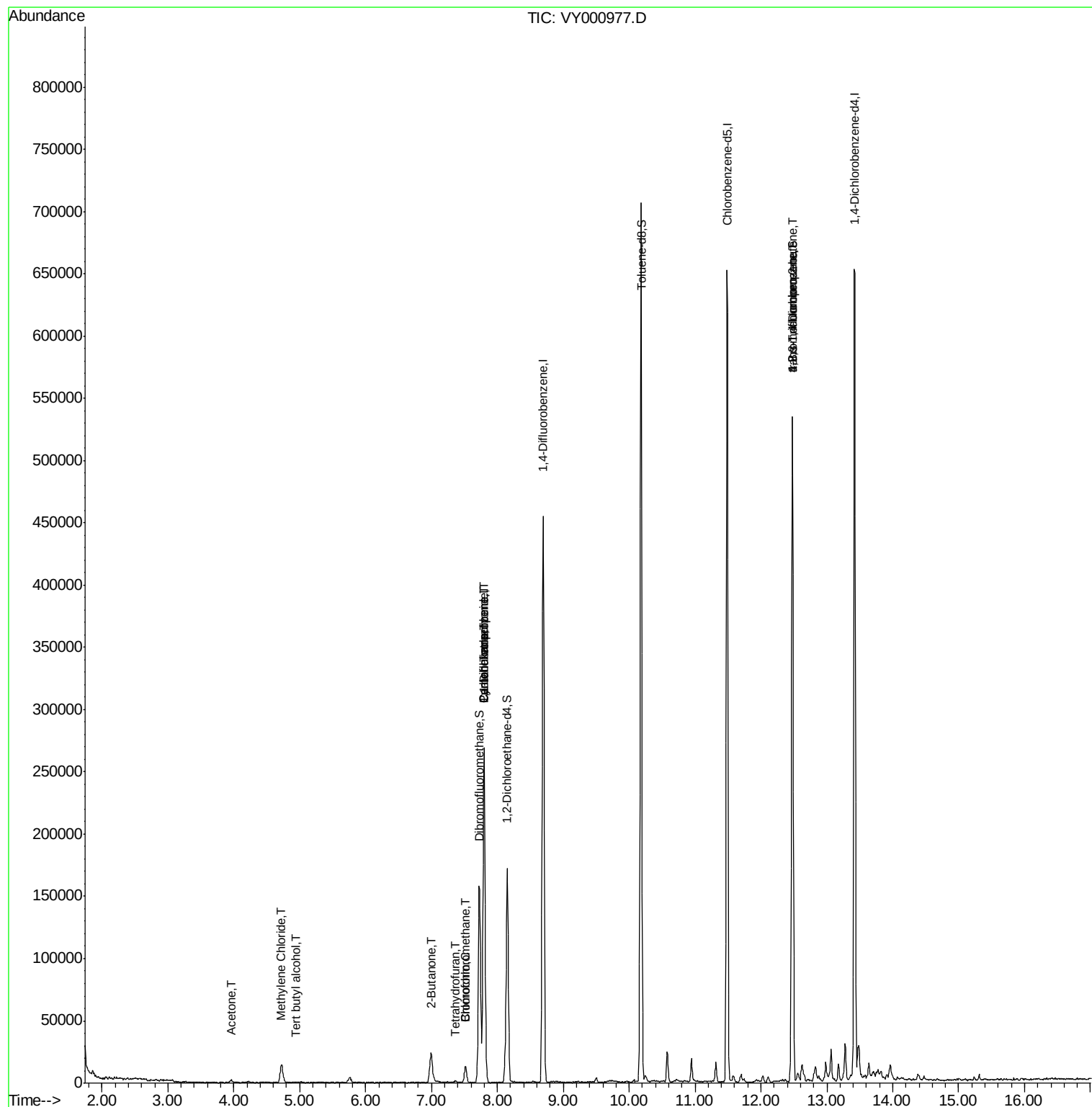
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	25	Below Cal		85
11) Tert butyl alcohol	4.94	59	308	1.409	ug/l #	95
16) Acetone	3.96	43	3315	6.651	ug/l #	87
20) Methylene Chloride	4.72	84	11049	4.206	ug/l	90
25) 2-Butanone	6.99	43	2185	2.373	ug/l #	83
28) Bromochloromethane	7.52	49	982	2.606	ug/l #	15
29) Tetrahydrofuran	7.36	42	807	1.323	ug/l #	75
30) Chloroform	7.52	83	12932	2.960	ug/l	91
31) Cyclohexane	7.79	56	4750	1.030	ug/l #	23
36) 1,1-Dichloropropene	7.80	75	17222	4.436	ug/l #	50
38) Carbon Tetrachloride	7.80	117	19827	5.735	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	81134	42.912	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81134	84.291	ug/l #	18

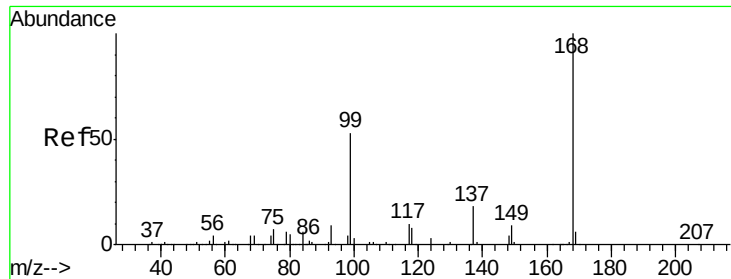
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000977.D

Acq: 17 Dec 2019 14:43

Instrument :

MSVOA_Y

ClientSampleId :

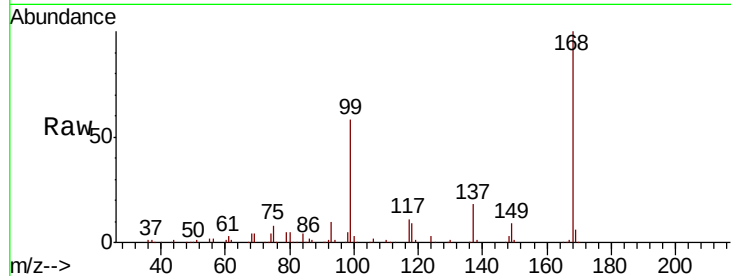
SHORE-RD-BH-04

Tgt Ion: 168 Resp: 204467

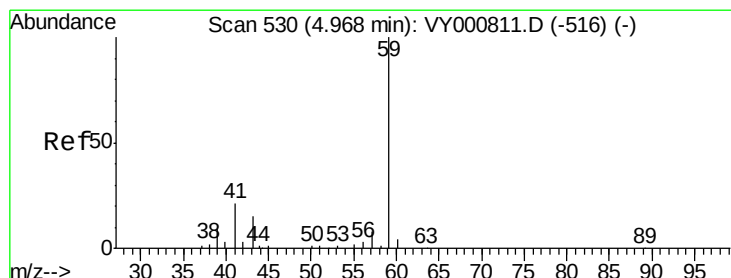
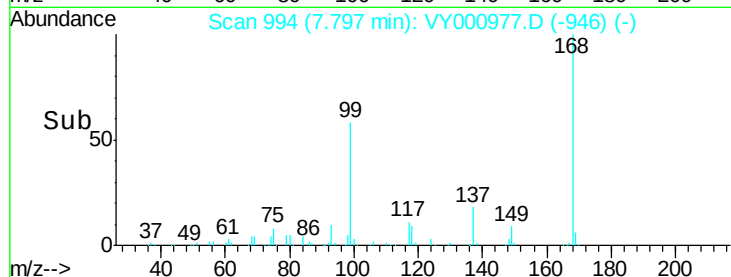
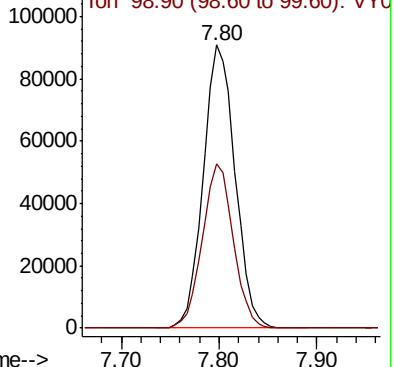
Ion Ratio Lower Upper

168 100

99 58.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000977.D (-946) (-)



#11

Tert butyl alcohol

Concen: 1.409 ug/l

RT: 4.94 min Scan# 526

Delta R.T. -0.02 min

Lab File: VY000977.D

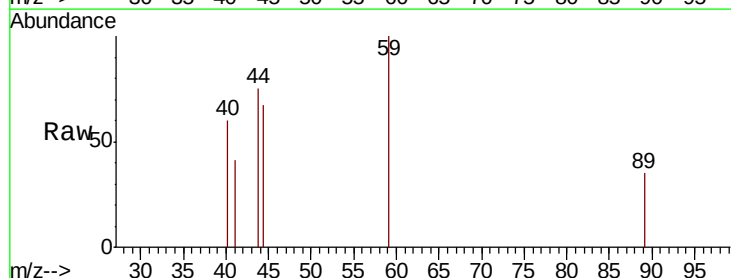
Acq: 17 Dec 2019 14:43

Tgt Ion: 59 Resp: 308

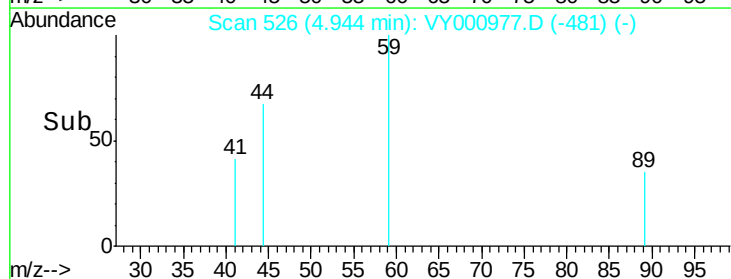
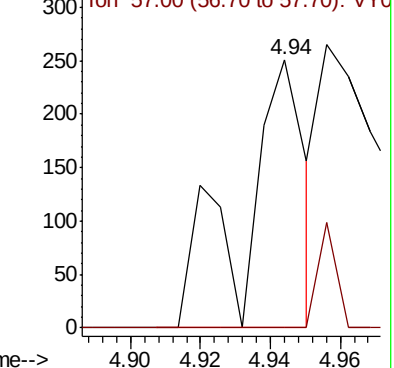
Ion Ratio Lower Upper

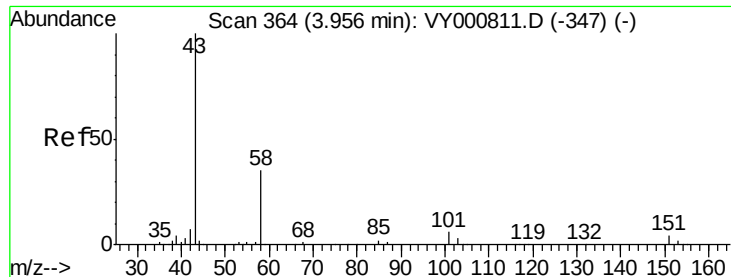
59 100

57 11.7 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000977.D (-481) (-)





#16

Acetone

Concen: 6.651 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000977.D

Acq: 17 Dec 2019 14:43

Instrument :

MSVOA_Y

ClientSampleId :

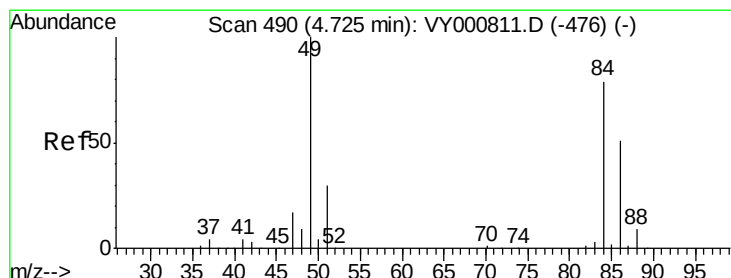
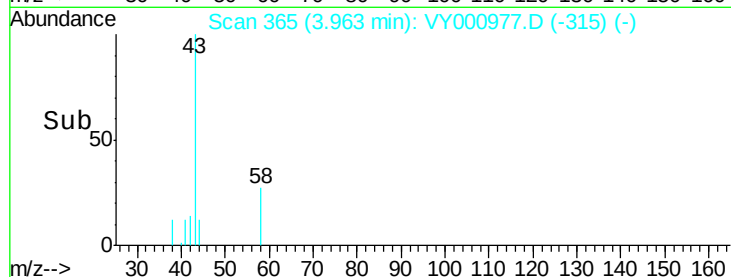
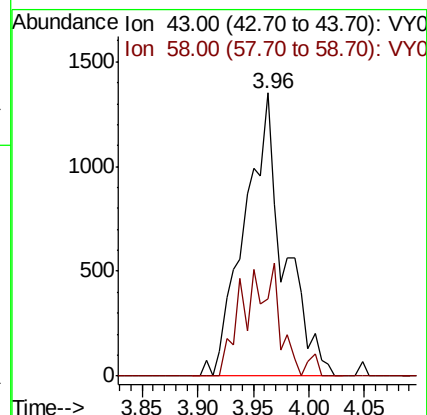
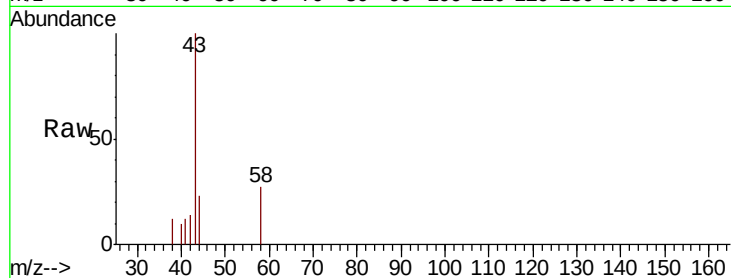
SHORE-RD-BH-04

Tgt Ion: 43 Resp: 3315

Ion Ratio Lower Upper

43 100

58 27.2 28.0 42.0#



#20

Methylene Chloride

Concen: 4.206 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000977.D

Acq: 17 Dec 2019 14:43

Tgt Ion: 84 Resp: 11049

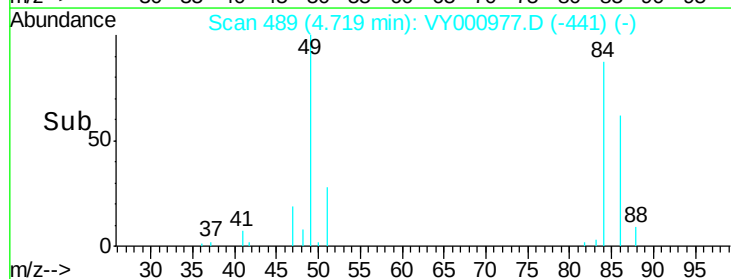
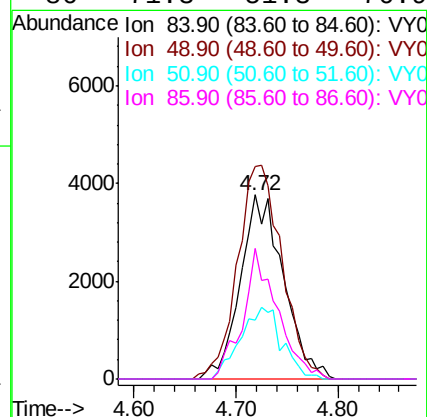
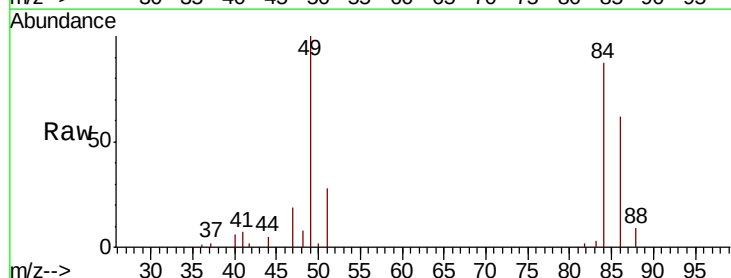
Ion Ratio Lower Upper

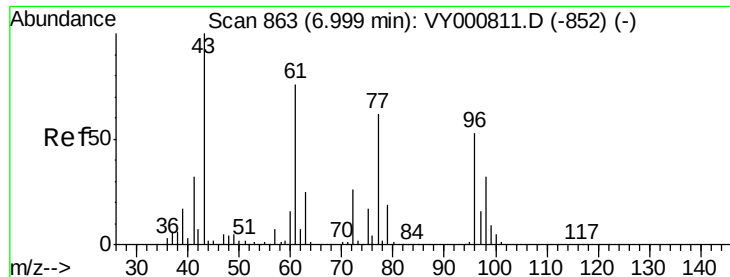
84 100

49 115.2 101.3 151.9

51 31.7 30.6 45.8

86 71.3 51.3 76.9





#25

2-Butanone

Concen: 2.373 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000977.D

Acq: 17 Dec 2019 14:43

Instrument :

MSVOA_Y

ClientSampleId :

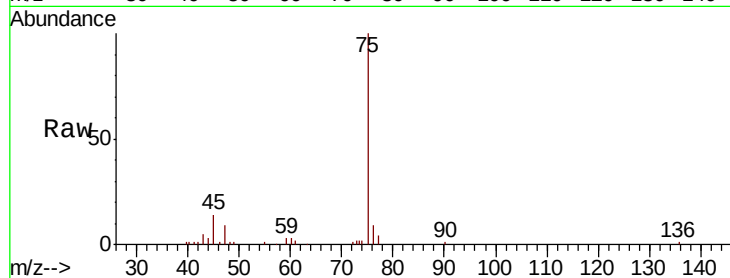
SHORE-RD-BH-04

Tgt Ion: 43 Resp: 2185

Ion Ratio Lower Upper

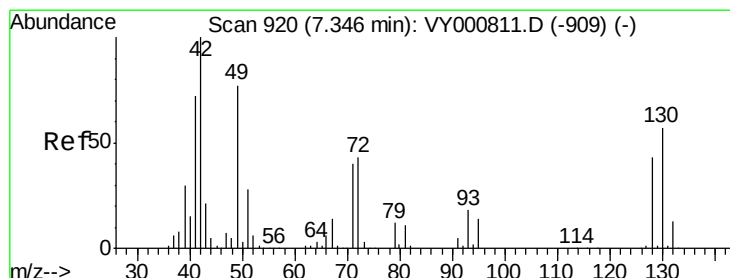
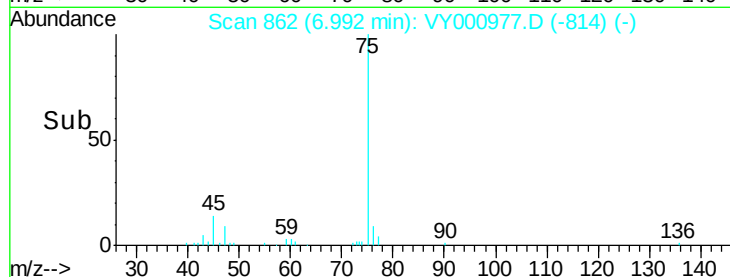
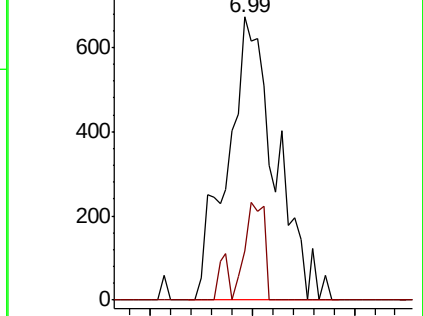
43 100

72 17.4 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#28

Bromochloromethane

Concen: 2.606 ug/l

RT: 7.52 min Scan# 949

Delta R.T. 0.18 min

Lab File: VY000977.D

Acq: 17 Dec 2019 14:43

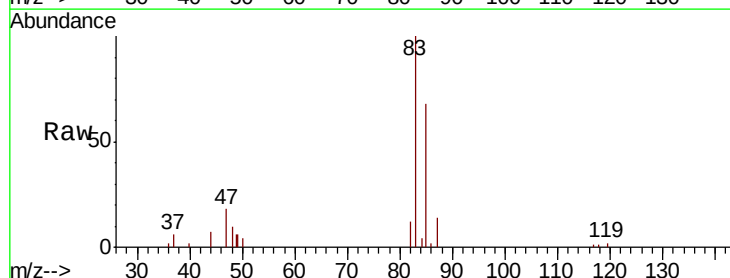
Tgt Ion: 49 Resp: 982

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

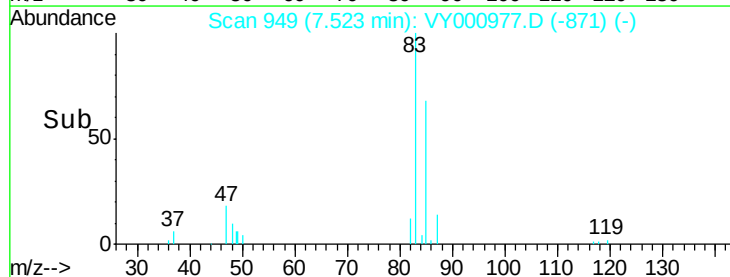
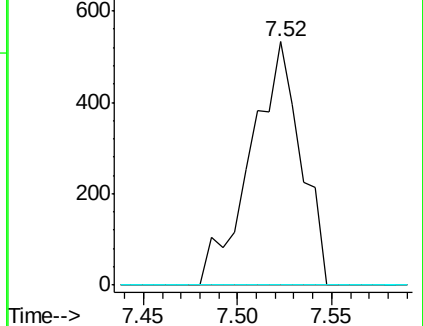
130 0.0 58.7 88.1#

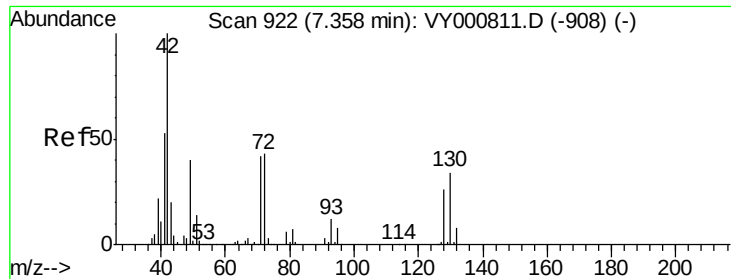


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

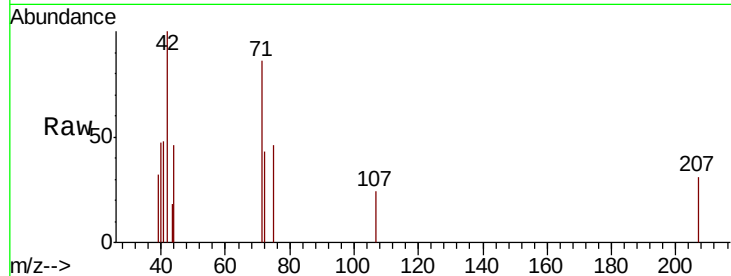




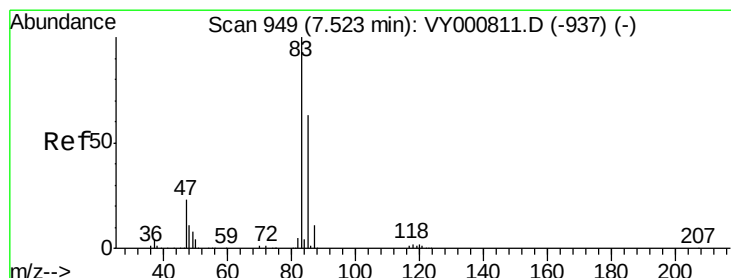
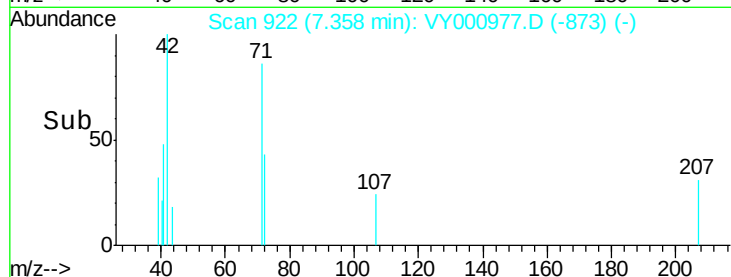
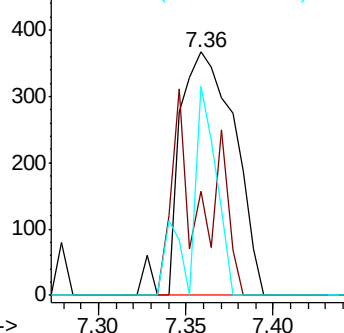
#29
Tetrahydrofuran
Concen: 1.323 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000977.D
Acq: 17 Dec 2019 14:43

Instrument :
MSVOA_Y
ClientSampleId :
SHORE-RD-BH-04

Tgt Ion: 42 Resp: 807
Ion Ratio Lower Upper
42 100
72 14.4 35.1 52.7#
71 39.7 32.8 49.2

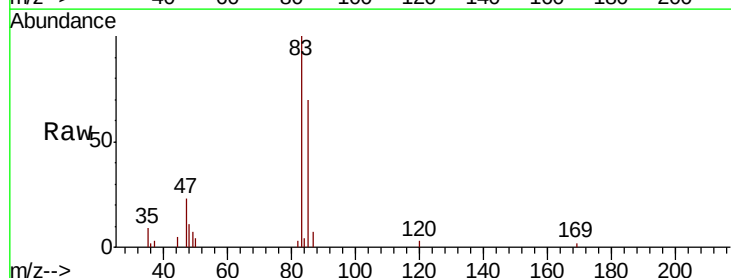


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

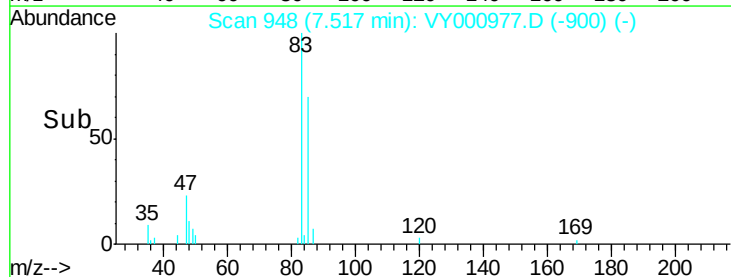
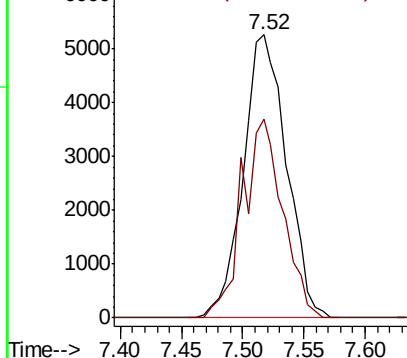


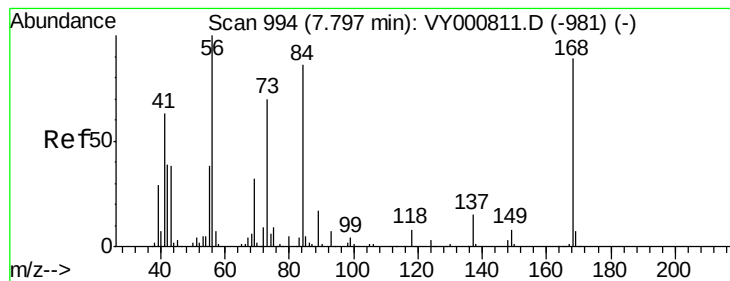
#30
Chloroform
Concen: 2.960 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000977.D
Acq: 17 Dec 2019 14:43

Tgt Ion: 83 Resp: 12932
Ion Ratio Lower Upper
83 100
85 70.2 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 1.030 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000977.D

Acq: 17 Dec 2019 14:43

Instrument :

MSVOA_Y

ClientSampleId :

SHORE-RD-BH-04

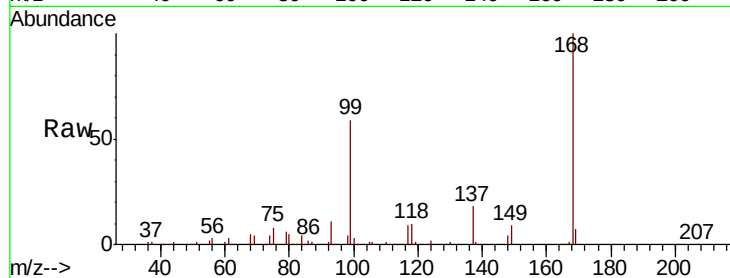
Tgt Ion: 56 Resp: 4750

Ion Ratio Lower Upper

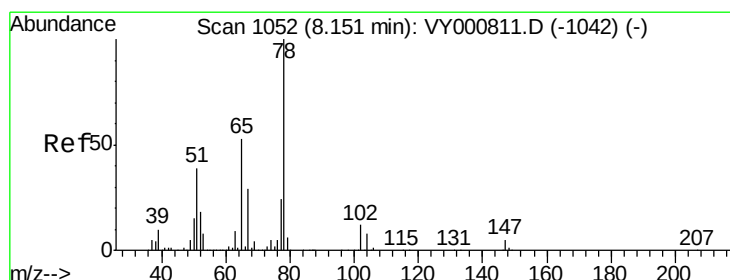
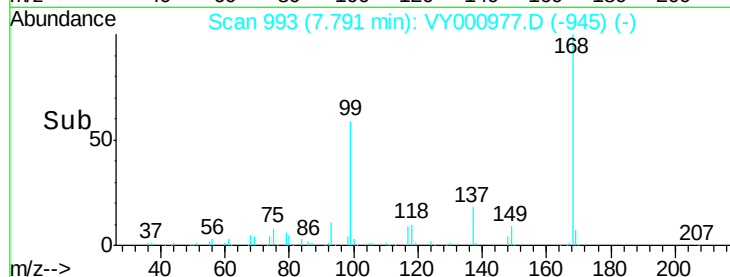
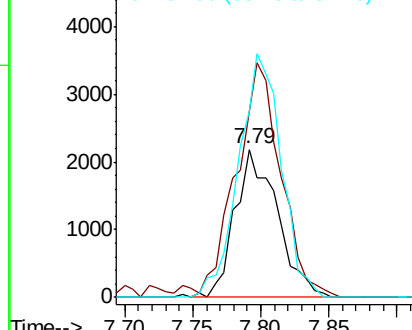
56 100

69 125.2 25.9 38.9#

84 125.2 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: 56.171 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000977.D

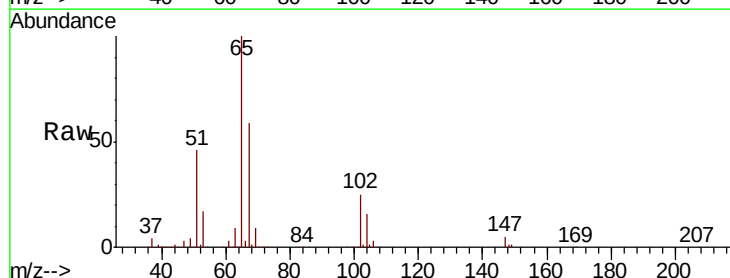
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Tgt Ion: 65 Resp: 122039

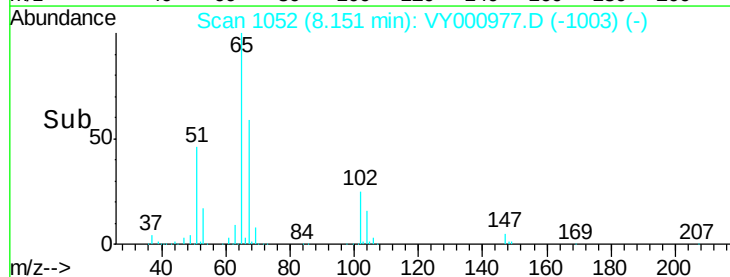
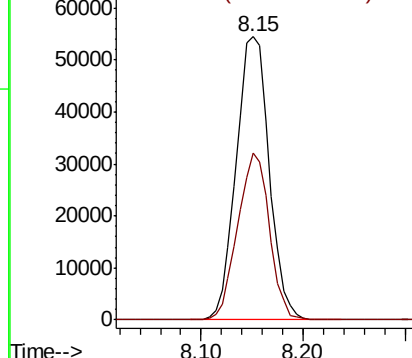
Ion Ratio Lower Upper

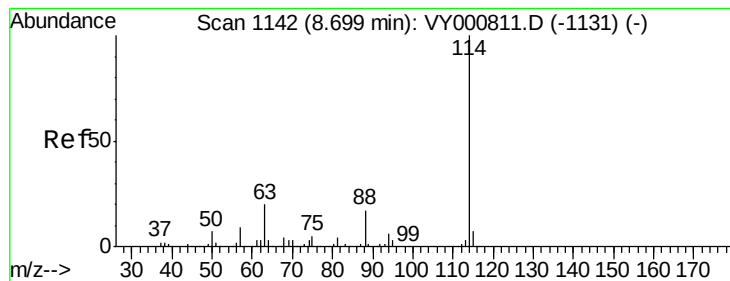
65 100

67 57.0 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: VY000977.D

Acq: 17 Dec 2019 14:43

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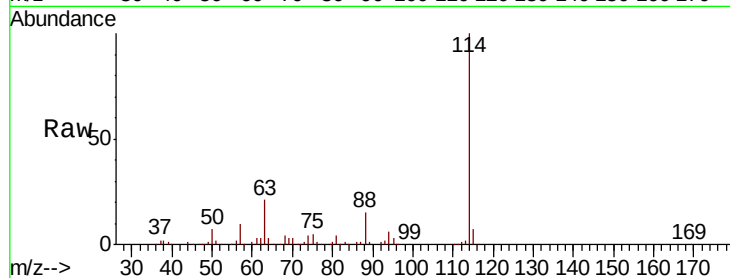
Tgt Ion:114 Resp: 390427

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.8

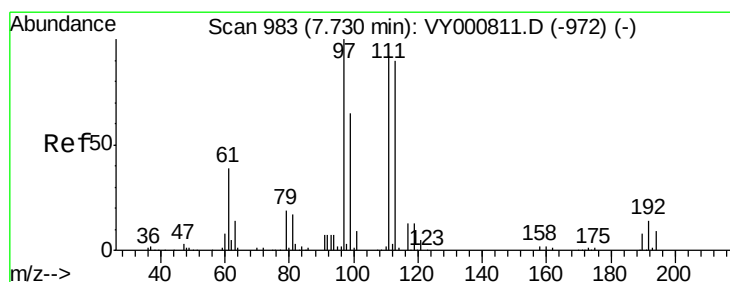
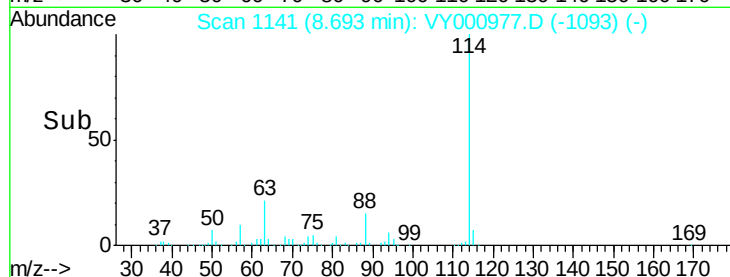
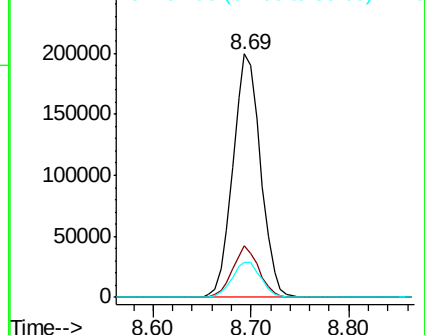
88 14.5 0.0 33.2



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: 50.360 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000977.D

Acq: 17 Dec 2019 14:43

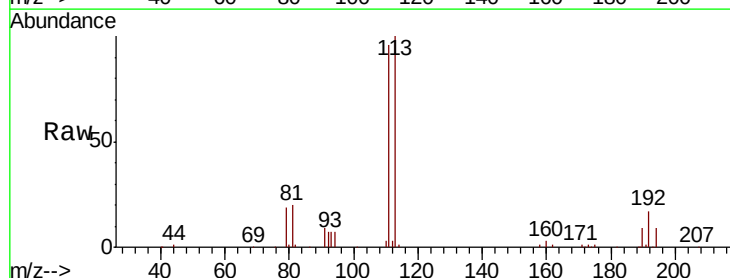
Tgt Ion:113 Resp: 114590

Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

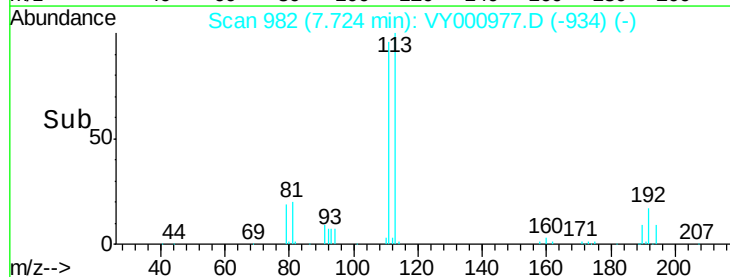
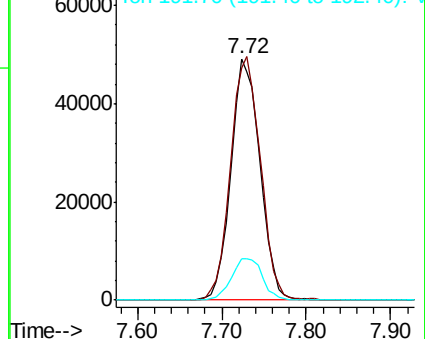
192 18.2 14.2 21.2

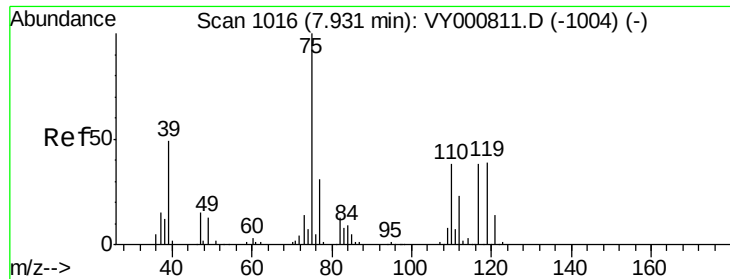


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

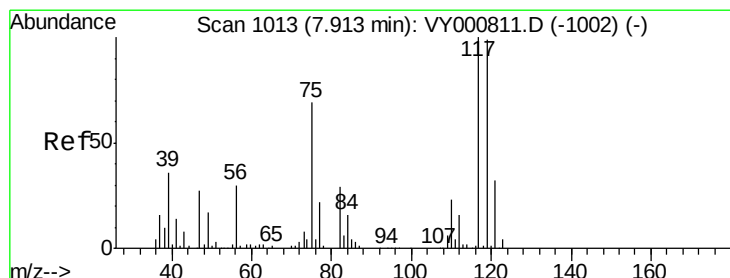
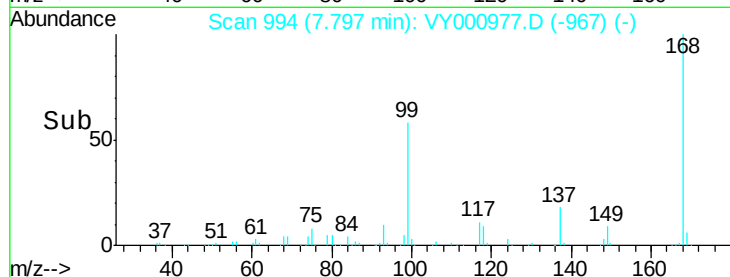
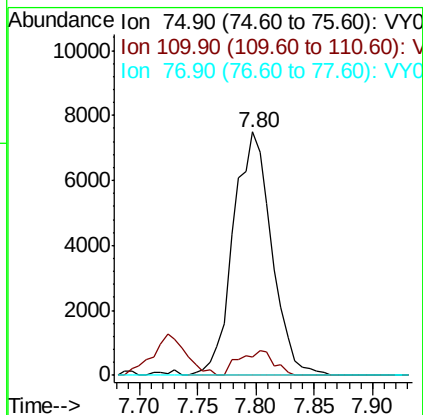
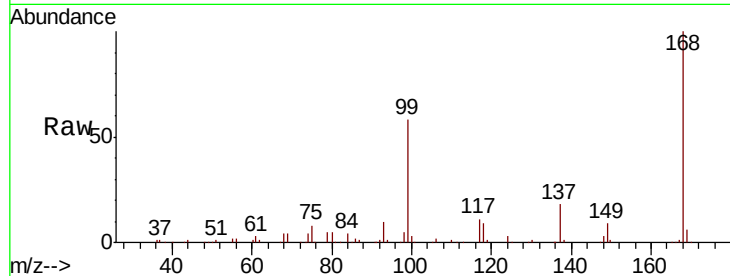




#36
 1,1-Dichloropropene
 Concen: 4.436 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000977.D
 Acq: 17 Dec 2019 14:43

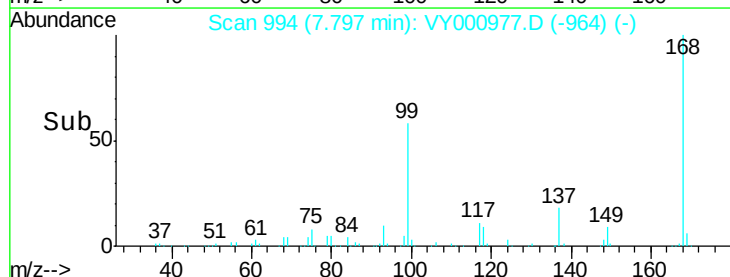
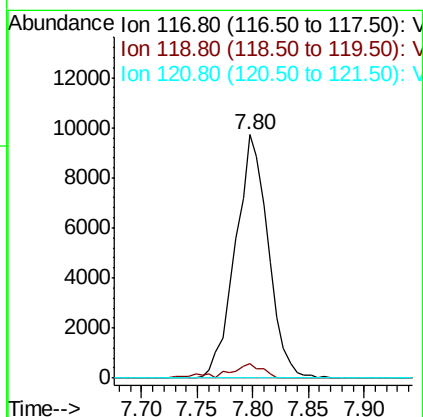
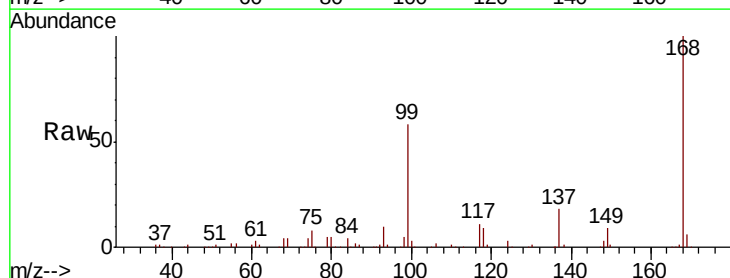
Instrument :
 MSVOA_Y
 ClientSampleId :
 SHORE-RD-BH-04

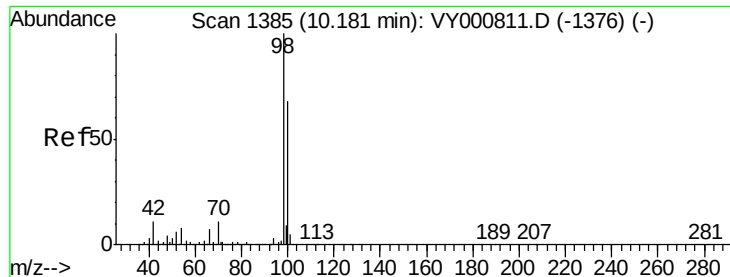
Tgt Ion: 75 Resp: 17222
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.9 53.7#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.735 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000977.D
 Acq: 17 Dec 2019 14:43

Tgt Ion: 117 Resp: 19827
 Ion Ratio Lower Upper
 117 100
 119 5.9 79.3 118.9#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 50.332 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000977.D

Acq: 17 Dec 2019 14:43

Instrument :

MSVOA_Y

ClientSampleId :

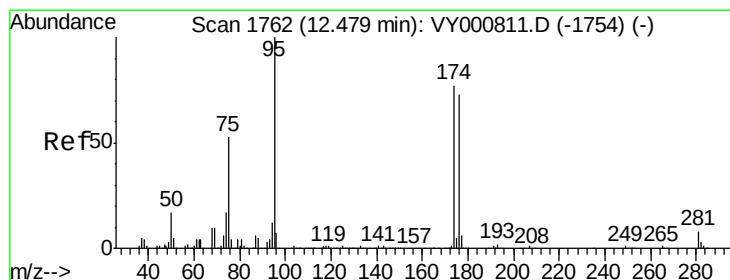
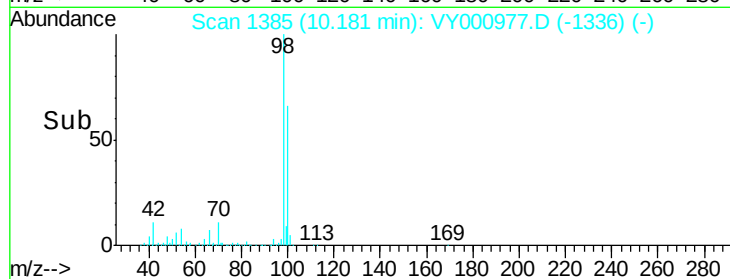
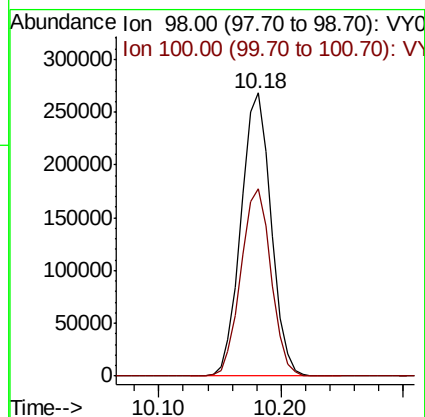
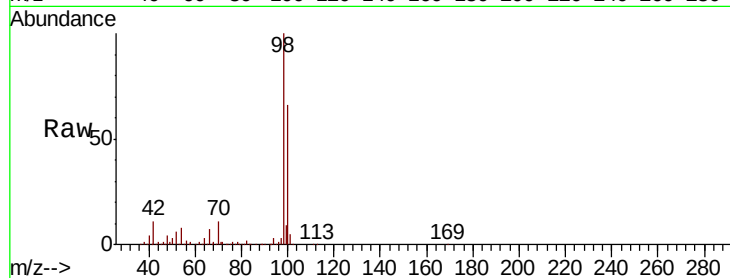
SHORE-RD-BH-04

Tgt Ion: 98 Resp: 457869

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 46.048 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000977.D

Acq: 17 Dec 2019 14:43

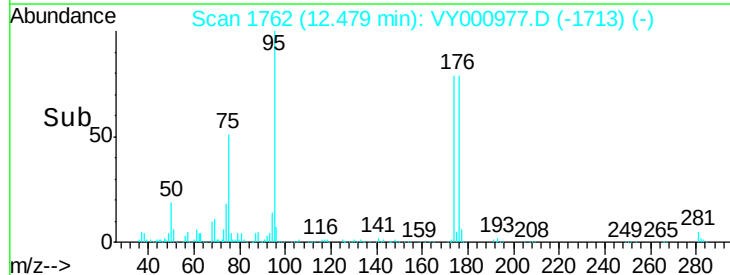
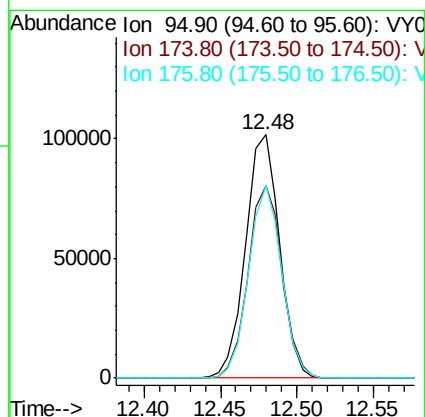
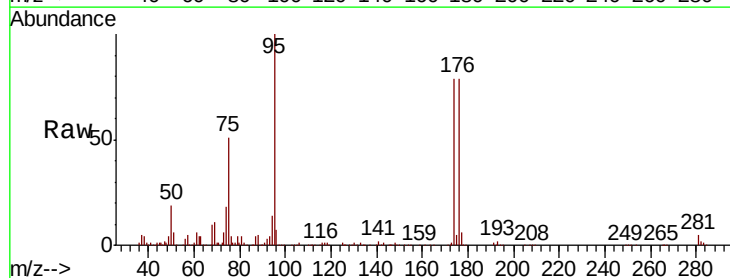
Tgt Ion: 95 Resp: 157317

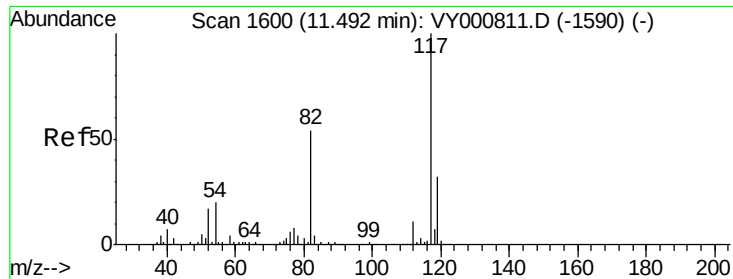
Ion Ratio Lower Upper

95 100

174 79.0 0.0 150.6

176 77.0 0.0 145.2

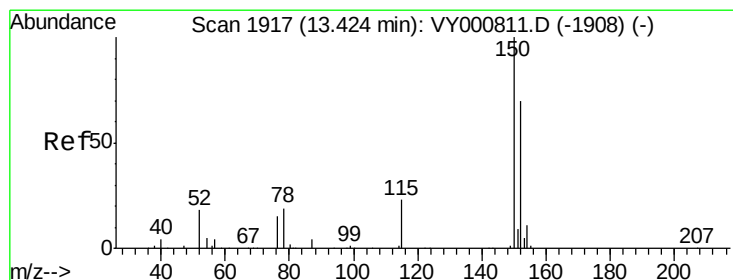
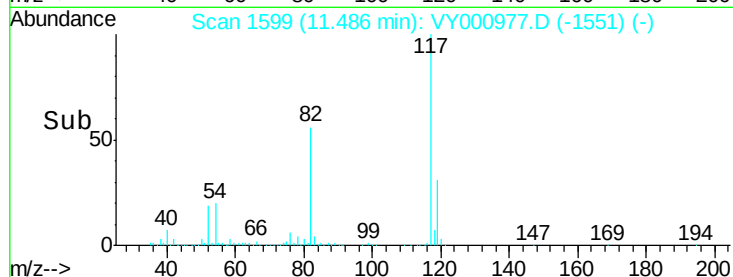
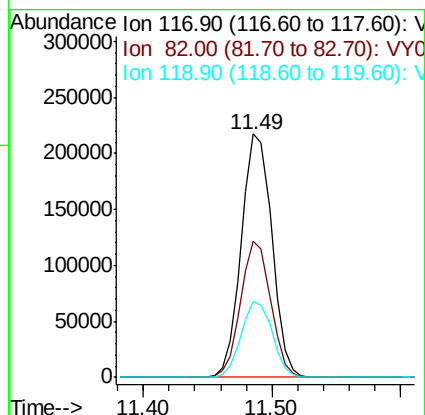
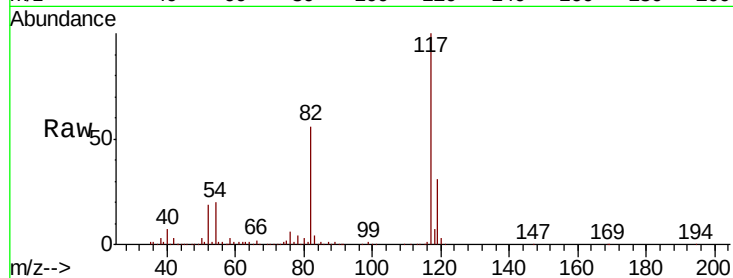




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000977.D
Acq: 17 Dec 2019 14:43

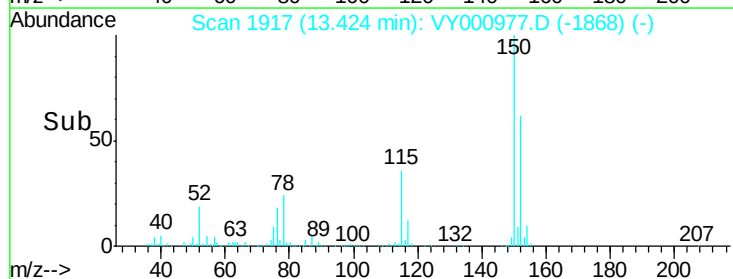
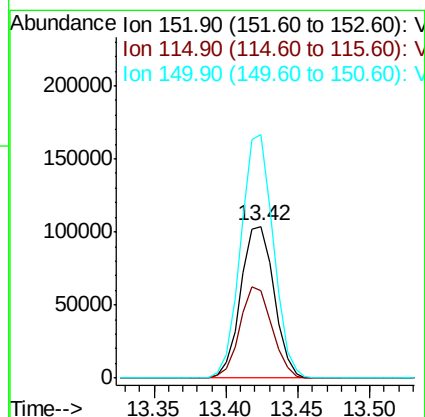
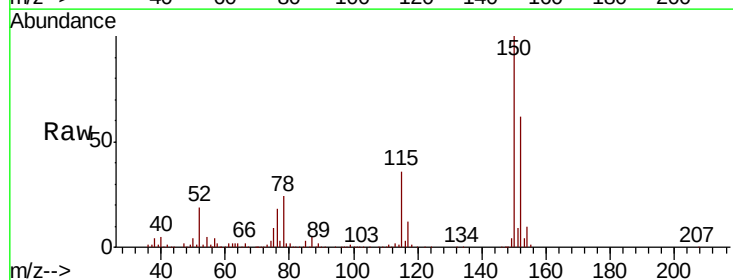
Instrument :
MSVOA_Y
ClientSampleId :
SHORE-RD-BH-04

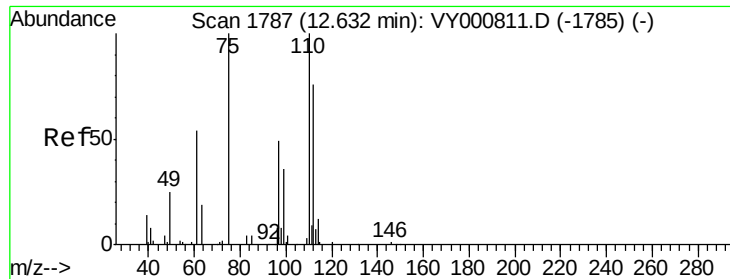
Tgt Ion:117 Resp: 357356
Ion Ratio Lower Upper
117 100
82 55.6 43.1 64.7
119 31.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000977.D
Acq: 17 Dec 2019 14:43

Tgt Ion:152 Resp: 166879
Ion Ratio Lower Upper
152 100
115 58.3 29.3 87.8
150 156.4 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 42.912 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000977.D

Acq: 17 Dec 2019 14:43

Instrument :

MSVOA_Y

ClientSampleId :

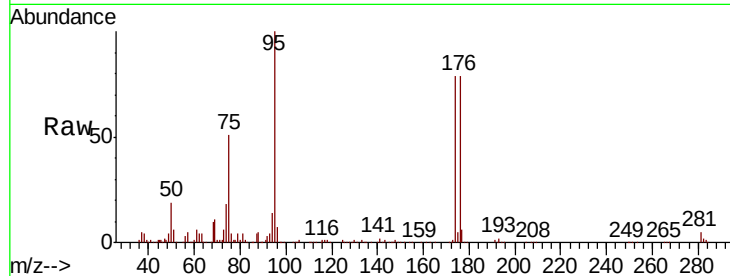
SHORE-RD-BH-04

Tgt Ion: 75 Resp: 81134

Ion Ratio Lower Upper

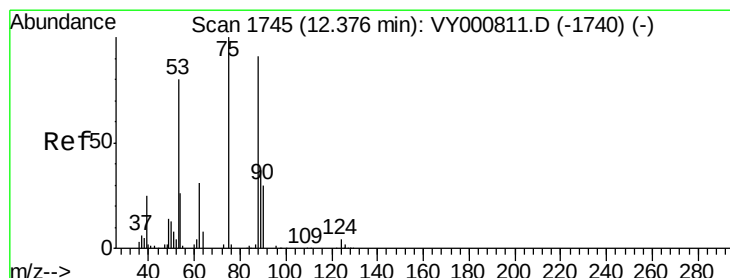
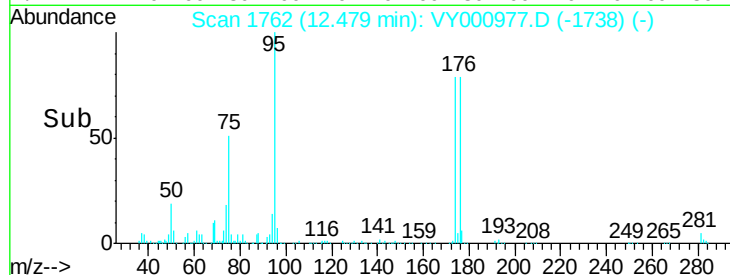
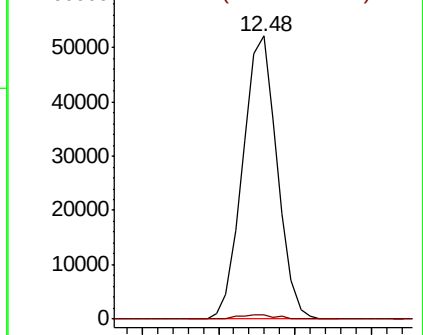
75 100

77 1.8 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: 84.291 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000977.D

Acq: 17 Dec 2019 14:43

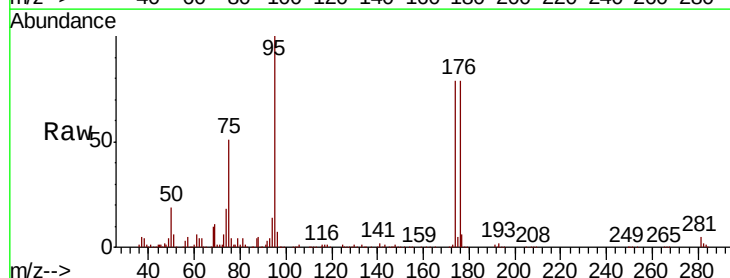
Tgt Ion: 75 Resp: 81134

Ion Ratio Lower Upper

75 100

53 0.8 64.6 96.8#

89 0.4 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

