

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011420\
 Data File : VY001198.D
 Acq On : 14 Jan 2020 12:57
 Operator : SY/MD
 Sample : L1004-04
 Misc : 6.84G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-RO-234

Quant Time: Jan 15 01:22:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	132082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	229074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	196505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	87840	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	64981	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
35) Dibromofluoromethane	7.73	113	65618	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	10.18	98	266244	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.48	95	91463	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	

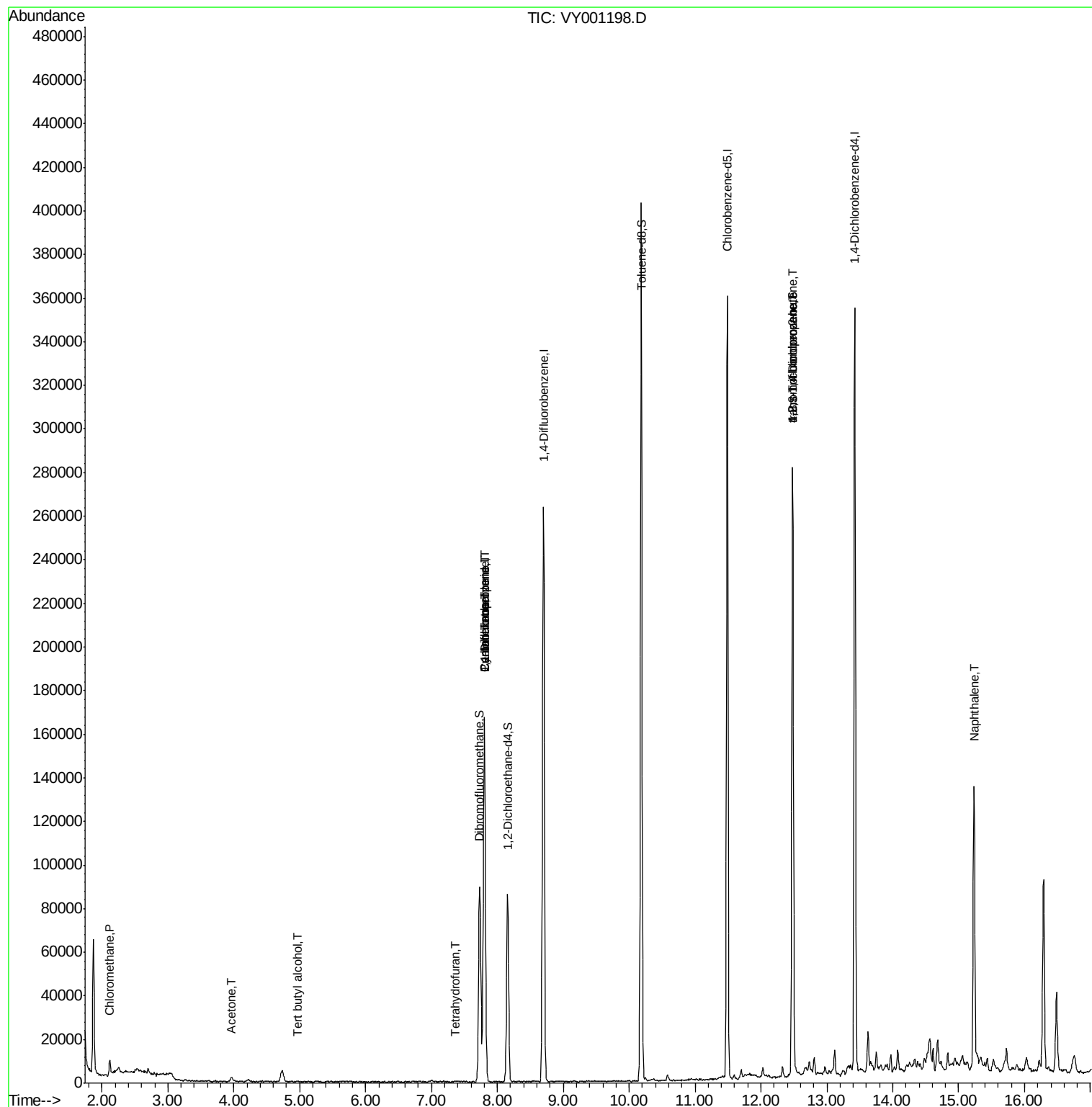
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	5123	3.504	ug/l	95
11) Tert butyl alcohol	4.96	59	244	1.738	ug/l #	73
16) Acetone	3.96	43	3690	11.390	ug/l #	88
20) Methylene Chloride	4.73	84	4196	Below Cal	#	88
29) Tetrahydrofuran	7.37	42	422	1.221	ug/l #	36
31) Cyclohexane	7.80	56	2772	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10011	4.795	ug/l #	48
38) Carbon Tetrachloride	7.80	117	12544	6.556	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	44035	46.829	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	44035	79.412	ug/l #	6
95) Naphthalene	15.23	128	102773	26.125	ug/l	99

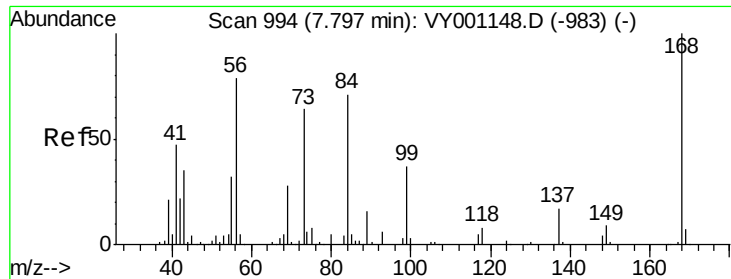
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001198.D

Acq: 14 Jan 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

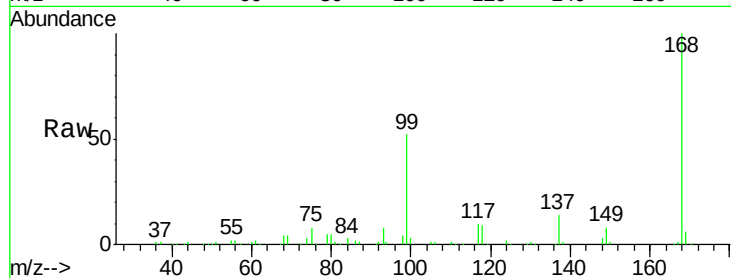
BU-RO-234

Tgt Ion:168 Resp: 132082

Ion Ratio Lower Upper

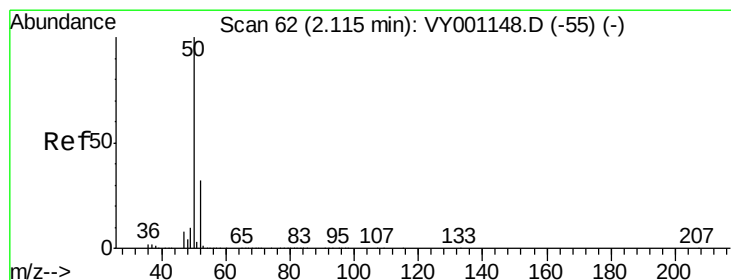
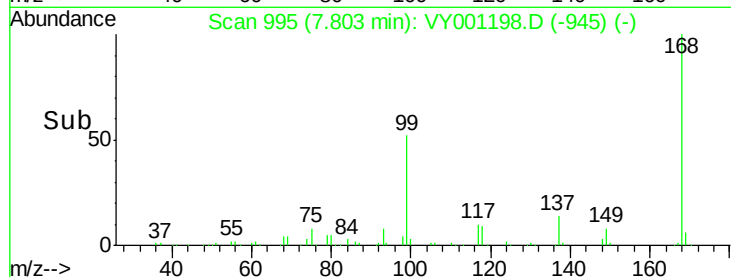
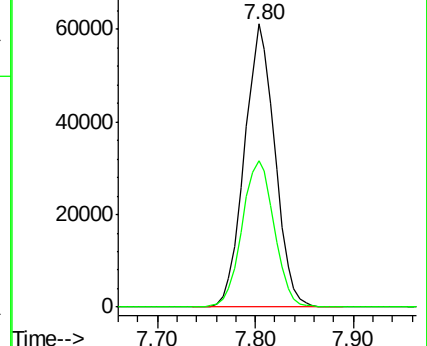
168 100

99 51.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001198.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001198.D (-945) (-)



#3

Chloromethane

Concen: 3.504 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001198.D

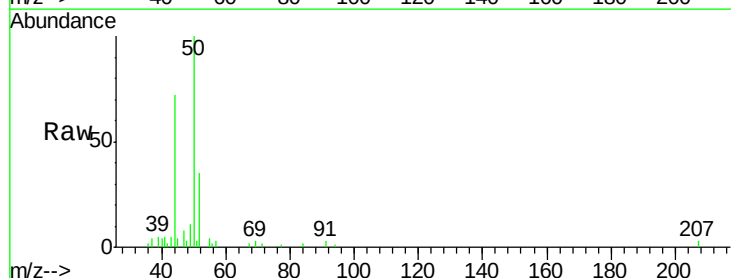
Acq: 14 Jan 2020 12:57

Tgt Ion: 50 Resp: 5123

Ion Ratio Lower Upper

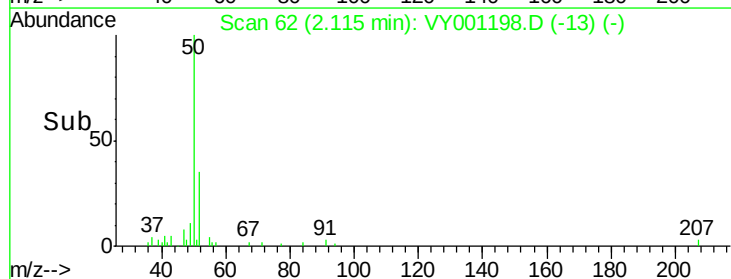
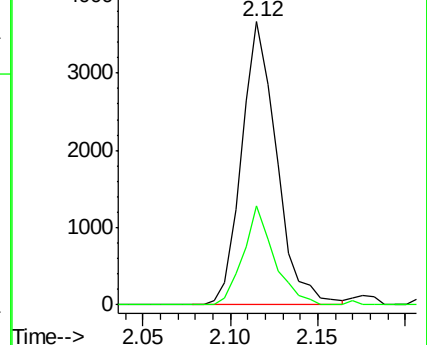
50 100

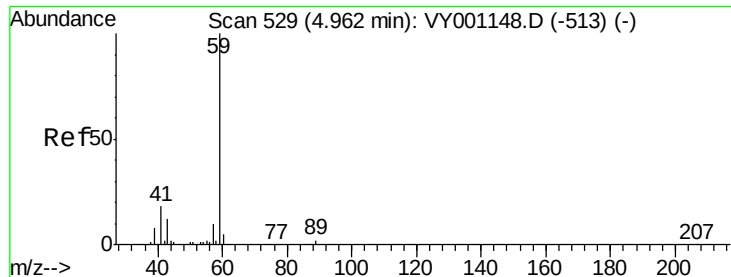
52 35.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001198.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY001198.D (-13) (-)



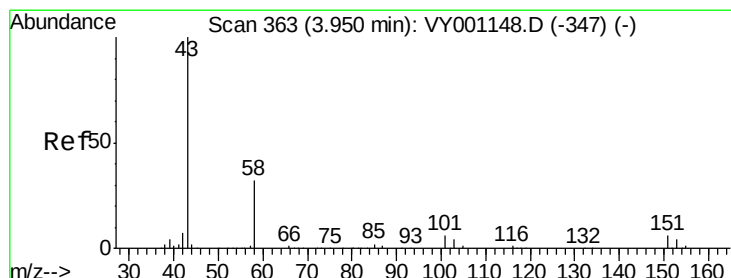
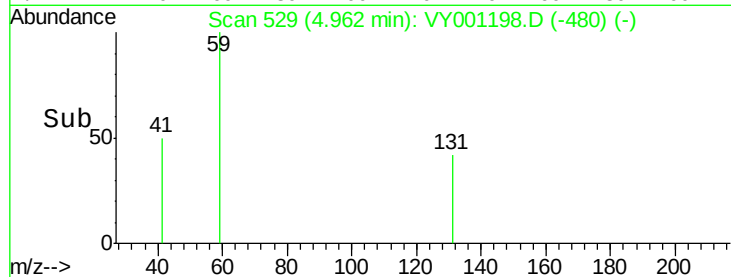
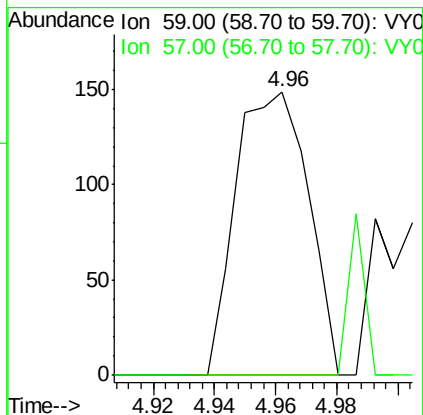
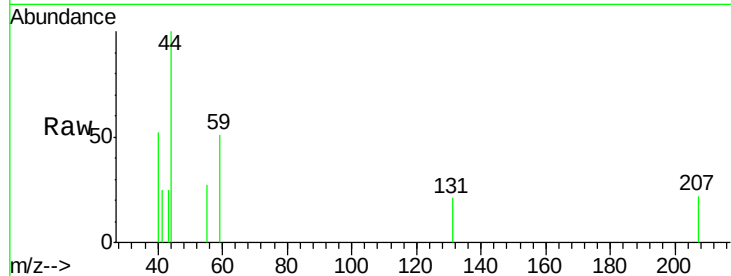


#11

Tert butyl alcohol
 Concen: 1.738 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VY001198.D
 Acq: 14 Jan 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampled :
 BU-RO-234

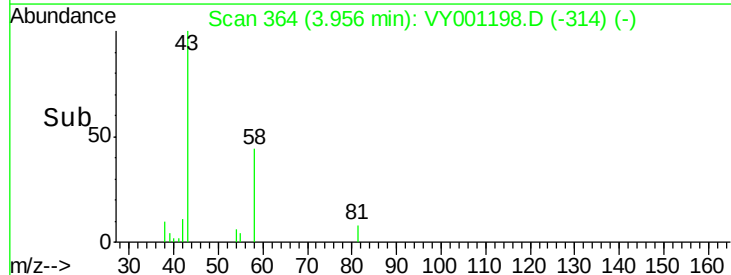
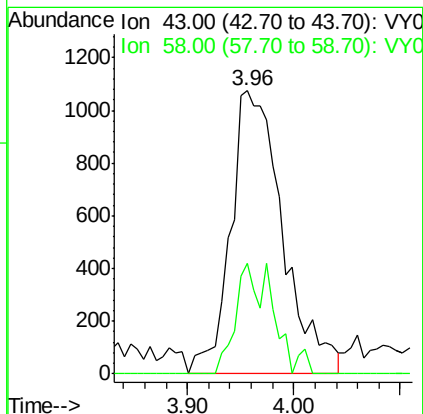
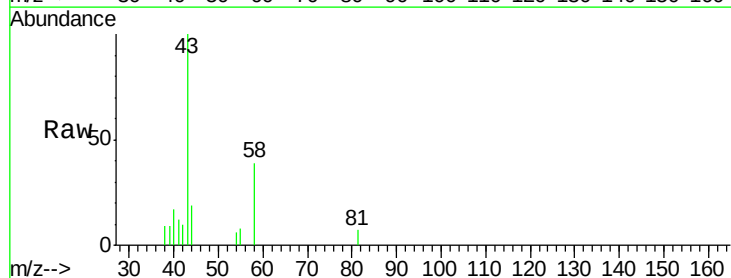
Tgt Ion: 59 Resp: 244
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

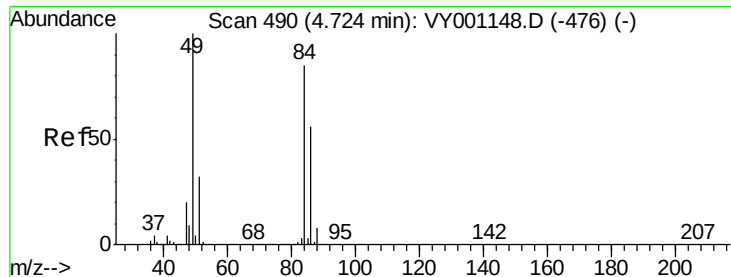


#16

Acetone
 Concen: 11.390 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY001198.D
 Acq: 14 Jan 2020 12:57

Tgt Ion: 43 Resp: 3690
 Ion Ratio Lower Upper
 43 100
 58 39.0 25.8 38.6#

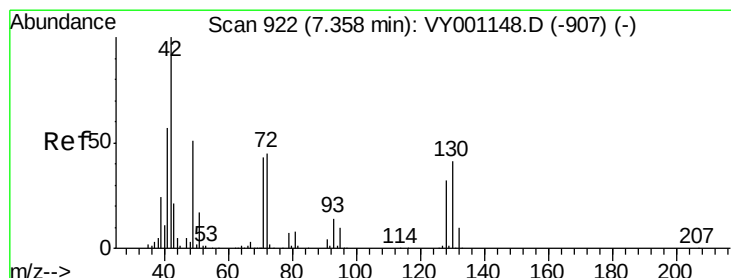
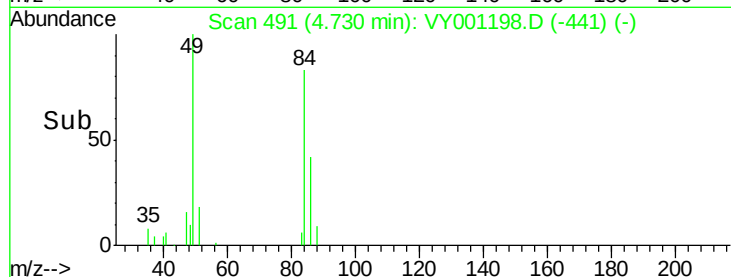
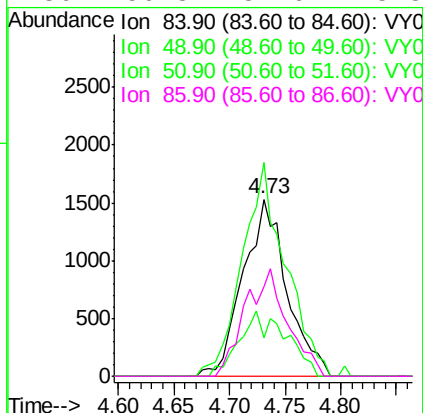
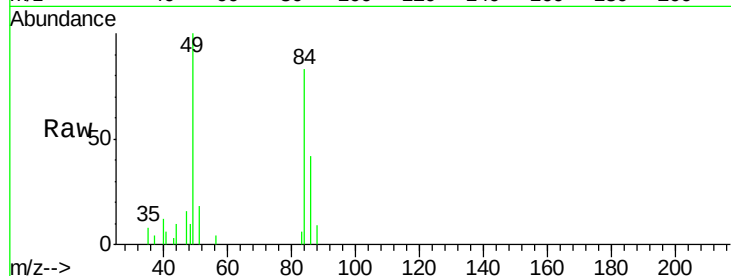




#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001198.D
Acq: 14 Jan 2020 12:57

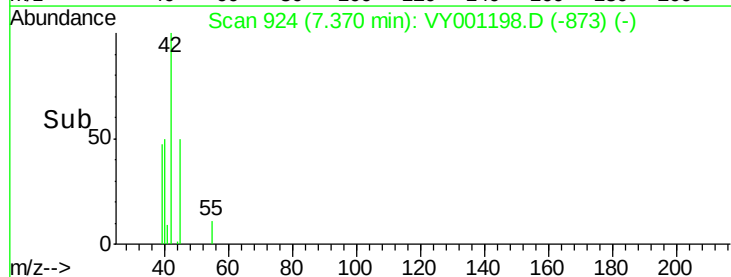
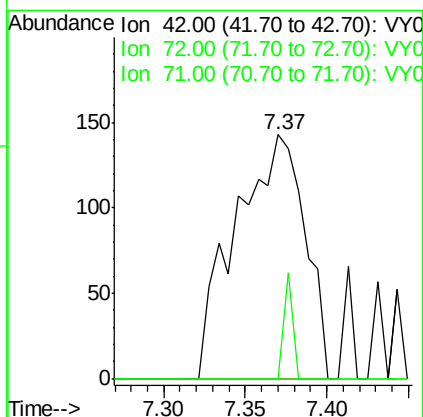
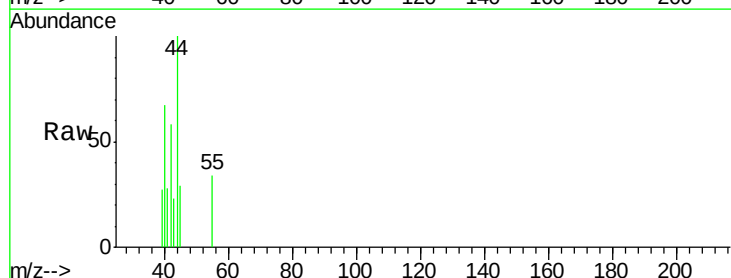
Instrument :
MSVOA_Y
ClientSampled :
BU-RO-234

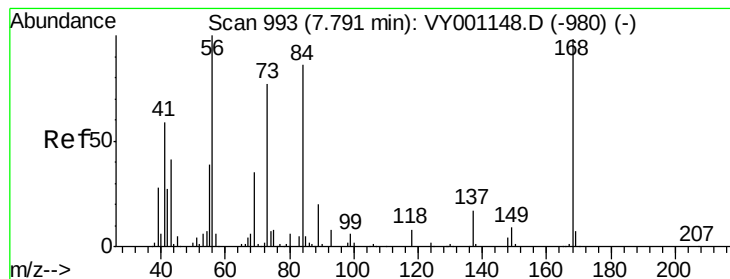
Tgt Ion: 84 Resp: 4196
Ion Ratio Lower Upper
84 100
49 120.8 93.8 140.6
51 21.8 29.9 44.9#
86 50.8 52.6 78.8#



#29
Tetrahydrofuran
Concen: 1.221 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY001198.D
Acq: 14 Jan 2020 12:57

Tgt Ion: 42 Resp: 422
Ion Ratio Lower Upper
42 100
72 5.5 36.9 55.3#
71 0.0 34.0 51.0#





#31

Cyclohexane

Concen: 1.027 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001198.D

Acq: 14 Jan 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

BU-RO-234

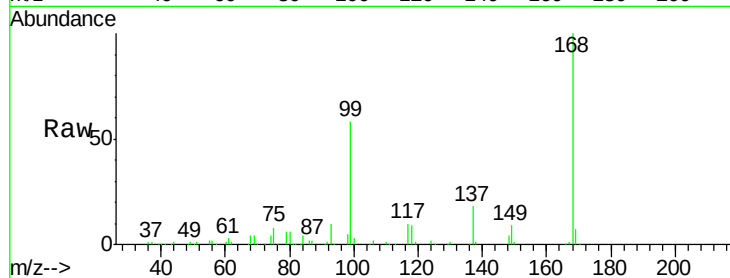
Tgt Ion: 56 Resp: 2772

Ion Ratio Lower Upper

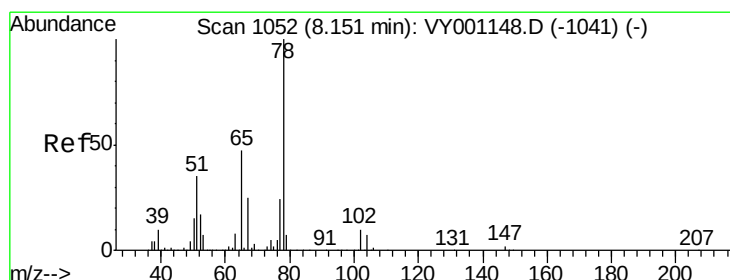
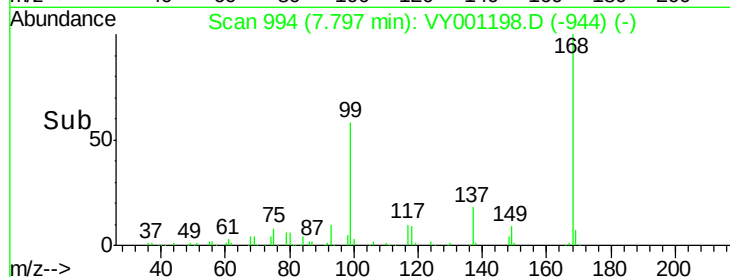
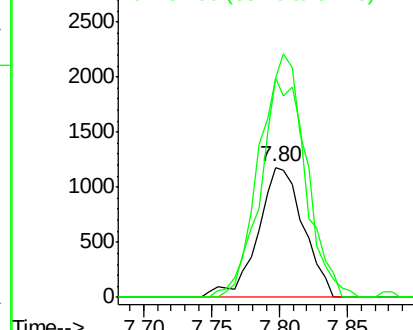
56 100

69 167.8 27.8 41.8#

84 168.3 68.9 103.3#



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: 46.581 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001198.D

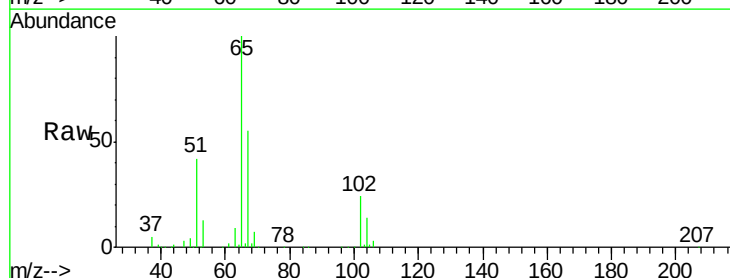
Acq: 14 Jan 2020 12:57

Tgt Ion: 65 Resp: 64981

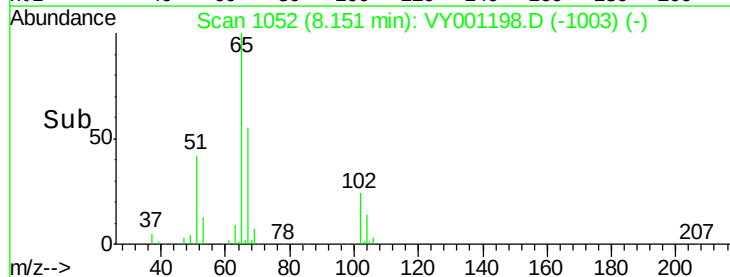
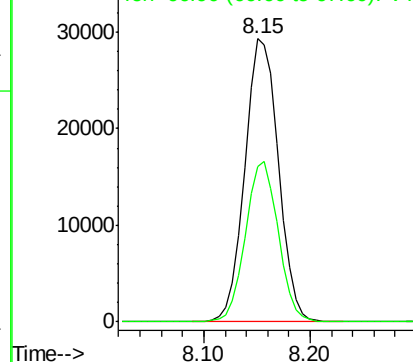
Ion Ratio Lower Upper

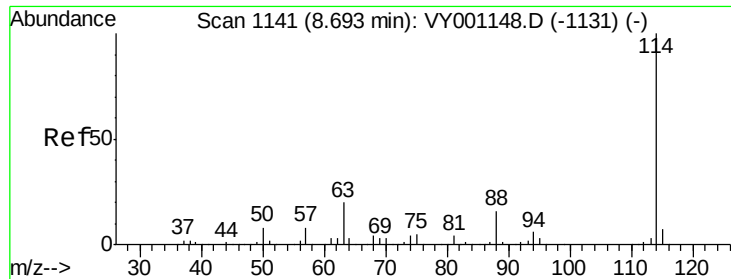
65 100

67 55.3 0.0 105.2



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

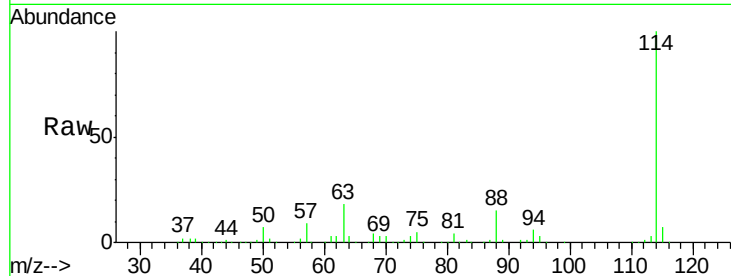




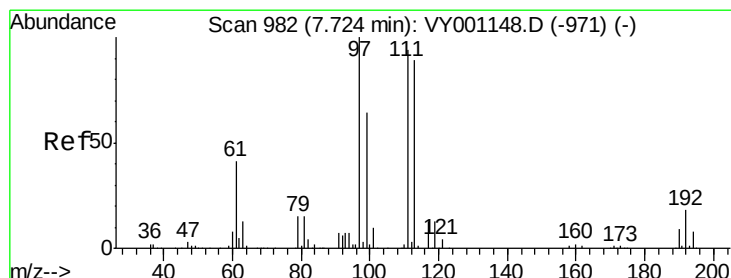
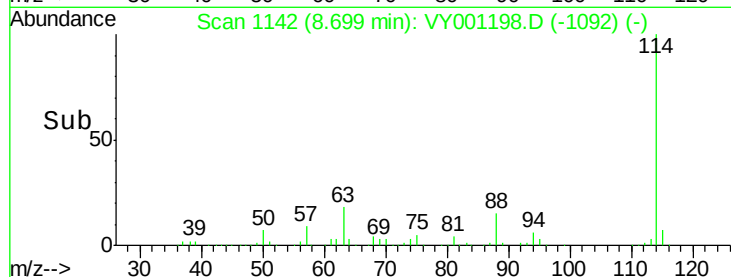
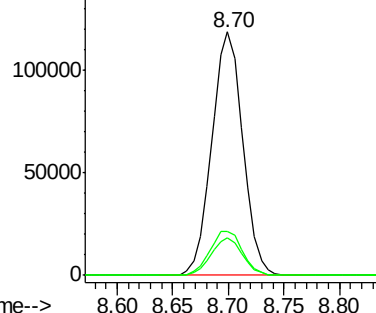
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001198.D
 Acq: 14 Jan 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-RO-234

Tgt Ion:114 Resp: 229074
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 40.8
 88 15.4 0.0 32.4

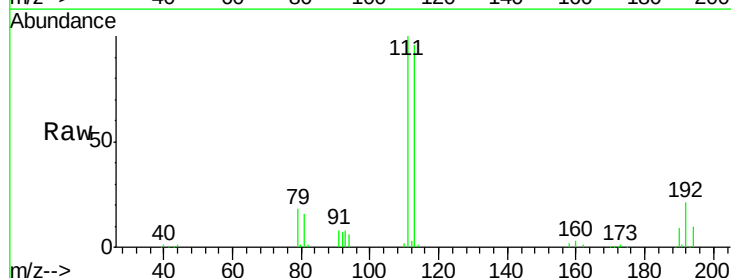


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

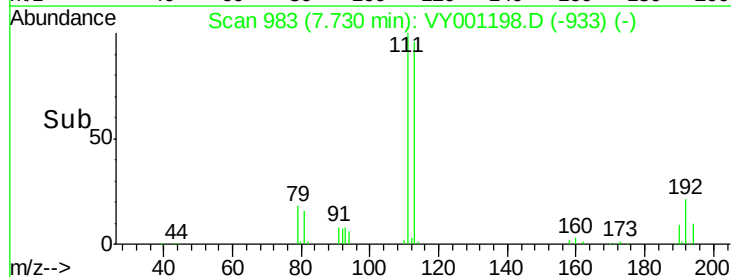
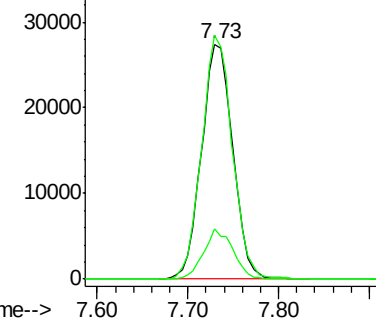


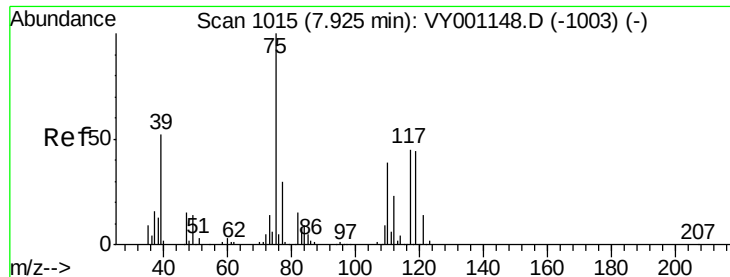
#35
 Dibromofluoromethane
 Concen: 48.924 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001198.D
 Acq: 14 Jan 2020 12:57

Tgt Ion:113 Resp: 65618
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 20.1 15.4 23.2



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

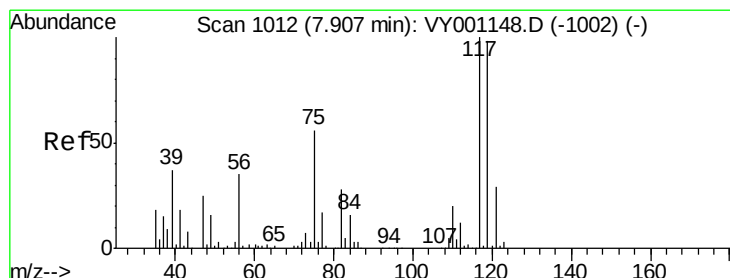
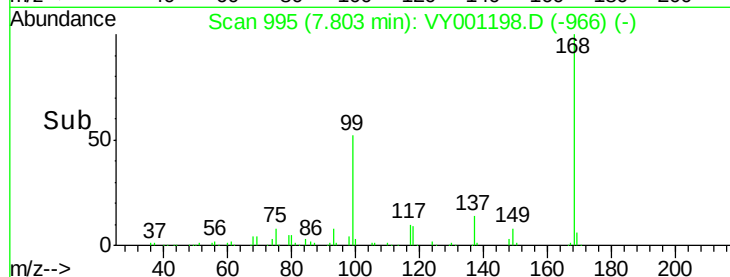
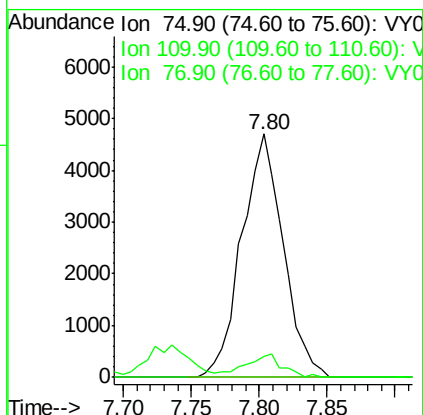
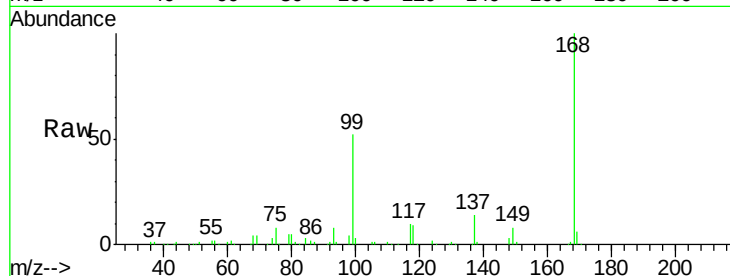




#36
 1,1-Dichloropropene
 Concen: 4.795 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001198.D
 Acq: 14 Jan 2020 12:57

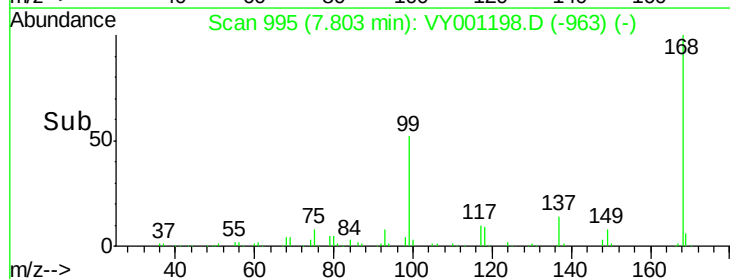
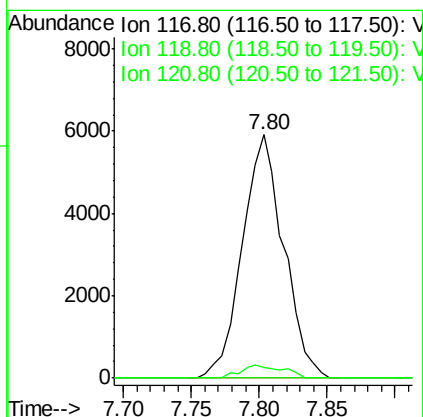
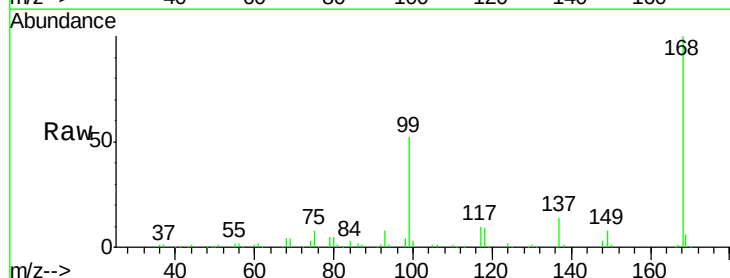
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-RO-234

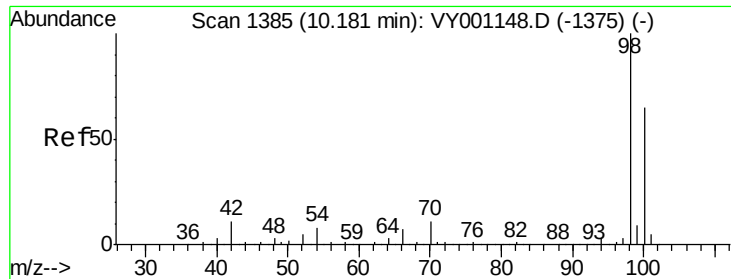
Tgt Ion: 75 Resp: 10011
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.556 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY001198.D
 Acq: 14 Jan 2020 12:57

Tgt Ion: 117 Resp: 12544
 Ion Ratio Lower Upper
 117 100
 119 4.4 78.3 117.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 51.518 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001198.D

Acq: 14 Jan 2020 12:57

Instrument :

MSVOA_Y

ClientSampled :

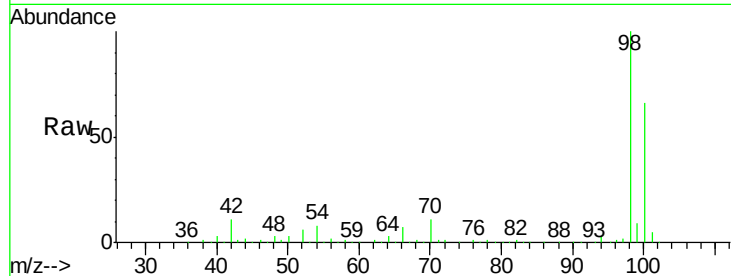
BU-RO-234

Tgt Ion: 98 Resp: 266244

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

150000

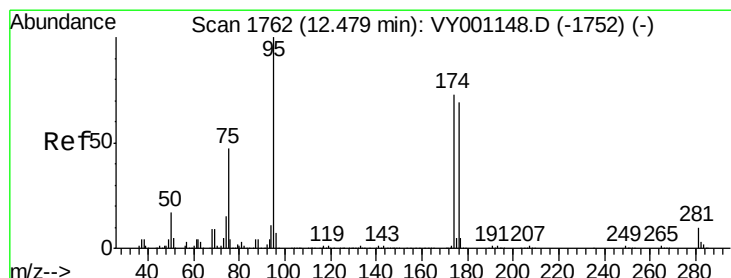
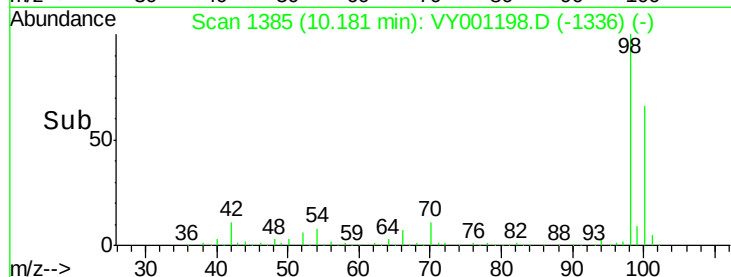
100000

50000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 43.290 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001198.D

Acq: 14 Jan 2020 12:57

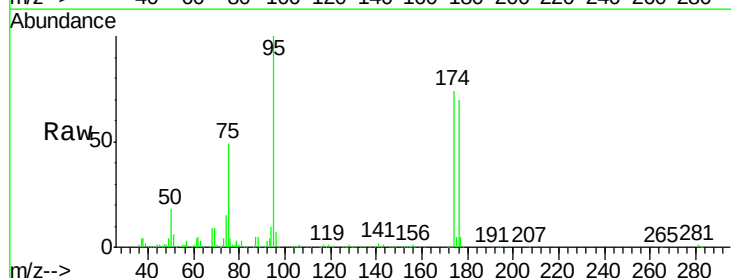
Tgt Ion: 95 Resp: 91463

Ion Ratio Lower Upper

95 100

174 75.0 0.0 143.2

176 72.3 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

12.48

80000

60000

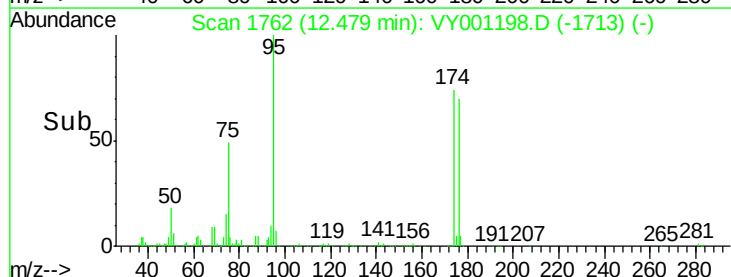
40000

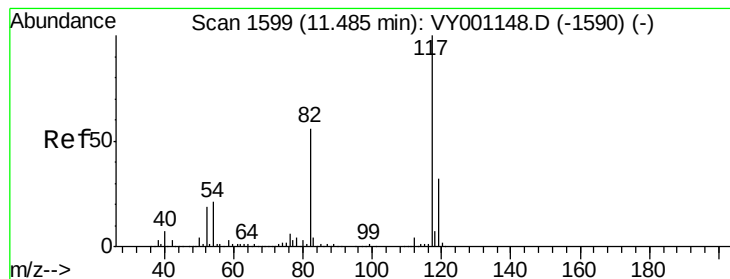
20000

0

Time-->

12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VY001198.D

Acq: 14 Jan 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

BU-RO-234

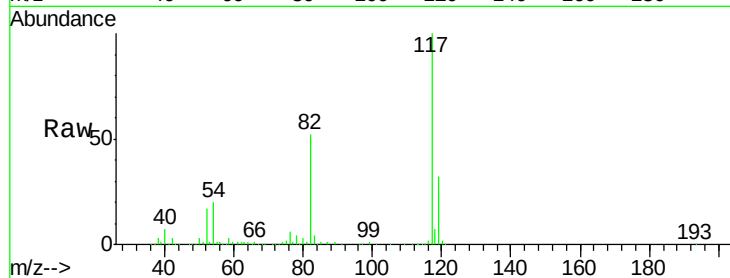
Tgt Ion:117 Resp: 196505

Ion Ratio Lower Upper

117 100

82 52.3 44.9 67.3

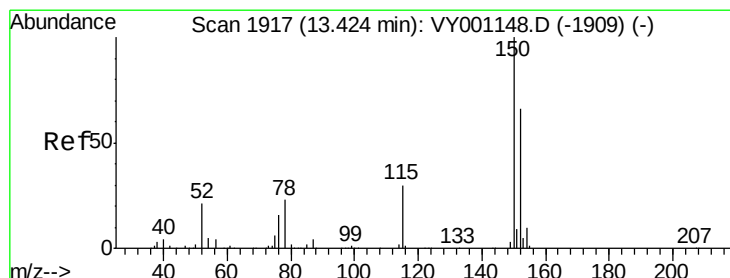
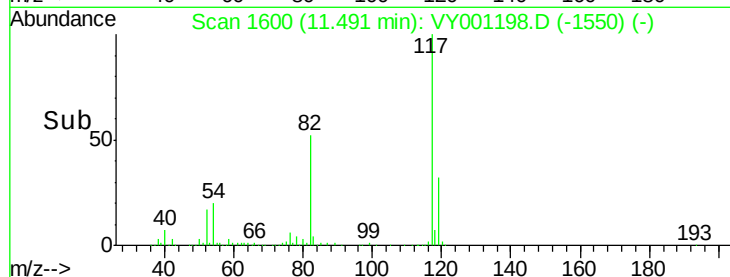
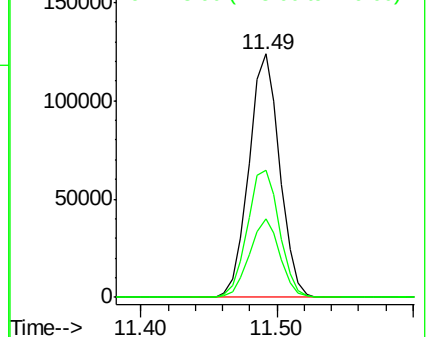
119 32.1 25.7 38.5



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: VY001198.D

Acq: 14 Jan 2020 12:57

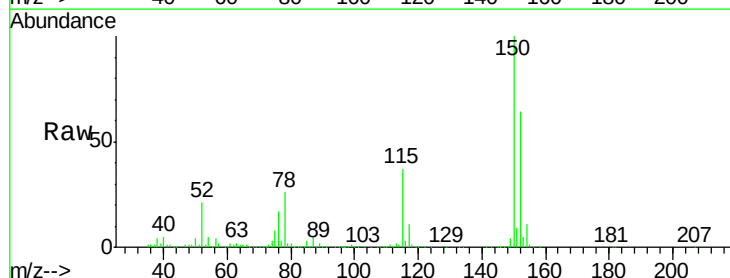
Tgt Ion:152 Resp: 87840

Ion Ratio Lower Upper

152 100

115 59.3 30.9 92.5

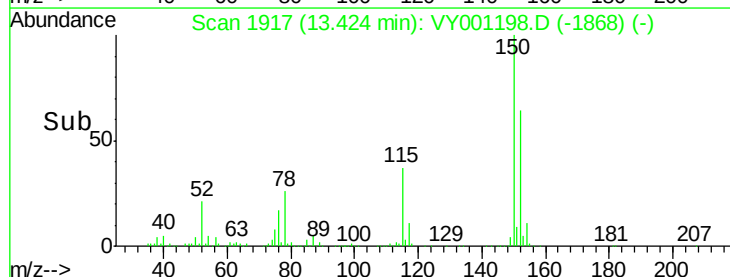
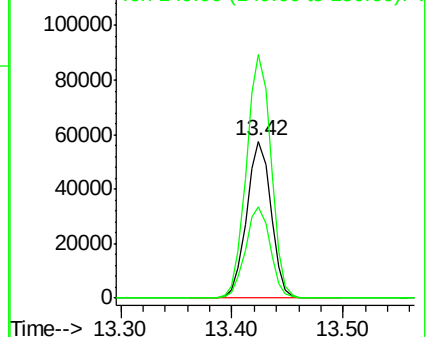
150 156.1 0.0 346.8

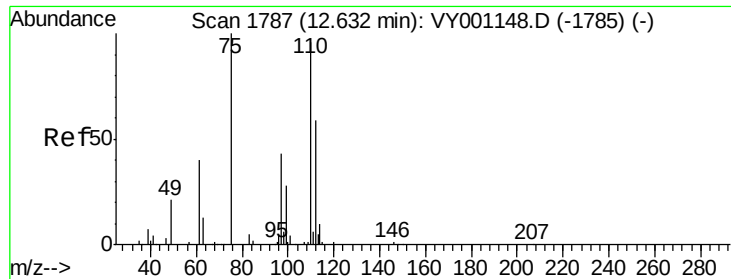


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 46.829 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001198.D

Acq: 14 Jan 2020 12:57

Instrument :

MSVOA_Y

ClientSampled :

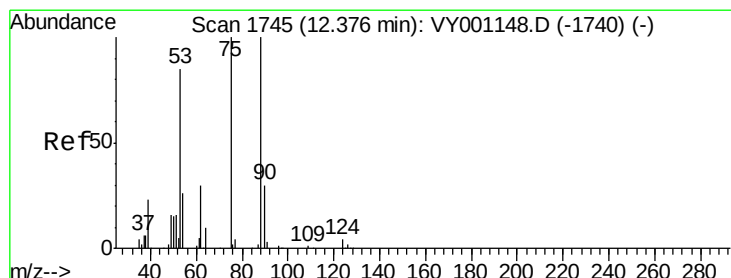
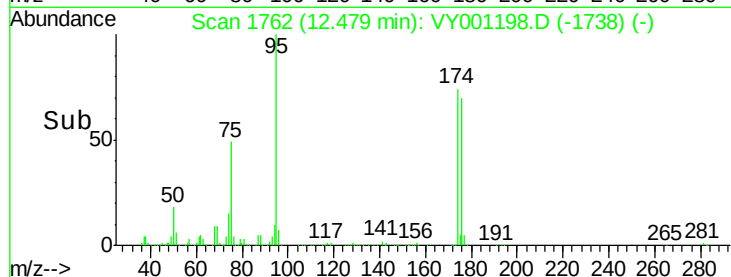
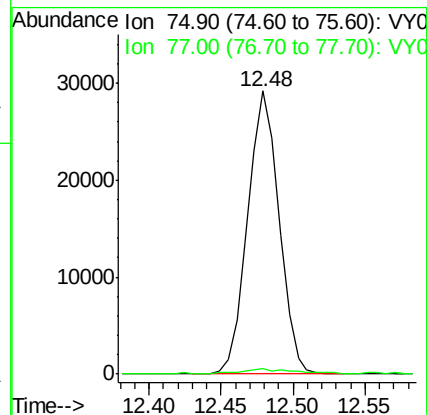
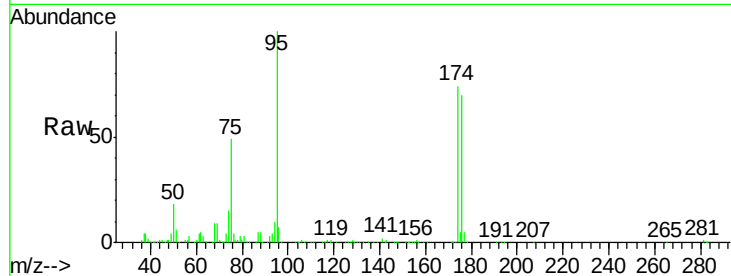
BU-RO-234

Tgt Ion: 75 Resp: 44035

Ion Ratio Lower Upper

75 100

77 2.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.412 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001198.D

Acq: 14 Jan 2020 12:57

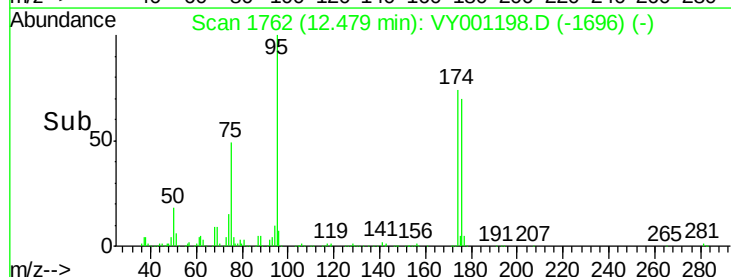
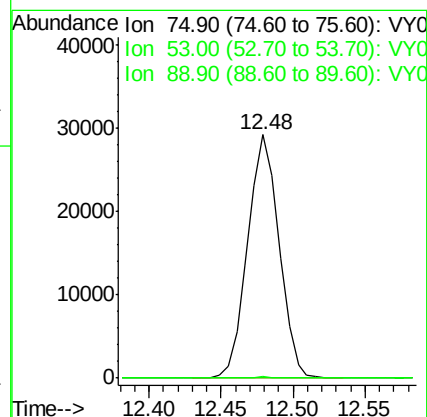
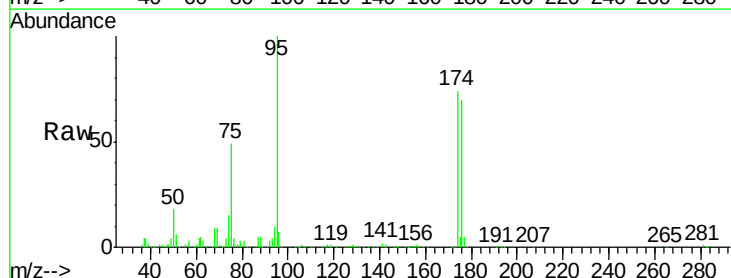
Tgt Ion: 75 Resp: 44035

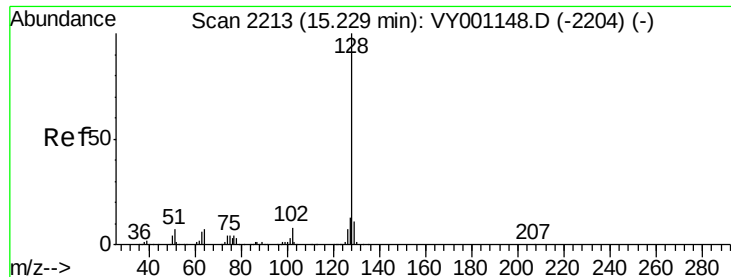
Ion Ratio Lower Upper

75 100

53 0.2 69.4 104.2#

89 0.2 0.0 0.0#

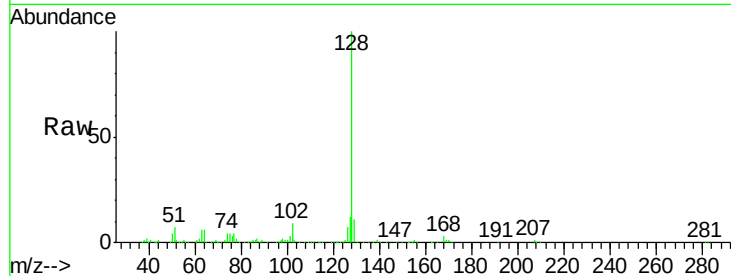




#95
Naphthalene
Concen: 26.125 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001198.D
Acq: 14 Jan 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
BU-RO-234

Tgt Ion:128 Resp: 102773
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

