

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011420\
 Data File : VY001197.D
 Acq On : 14 Jan 2020 12:35
 Operator : SY/MD
 Sample : L1004-01
 Misc : 6.41G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-RO-258

Quant Time: Jan 15 01:22:06 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	174079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	319525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	279987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	114252	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	99771	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	7.73	113	94467	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	10.18	98	375607	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.48	95	129443	43.92	ug/l	0.00
Spiked Amount			Recovery	=	87.84%	

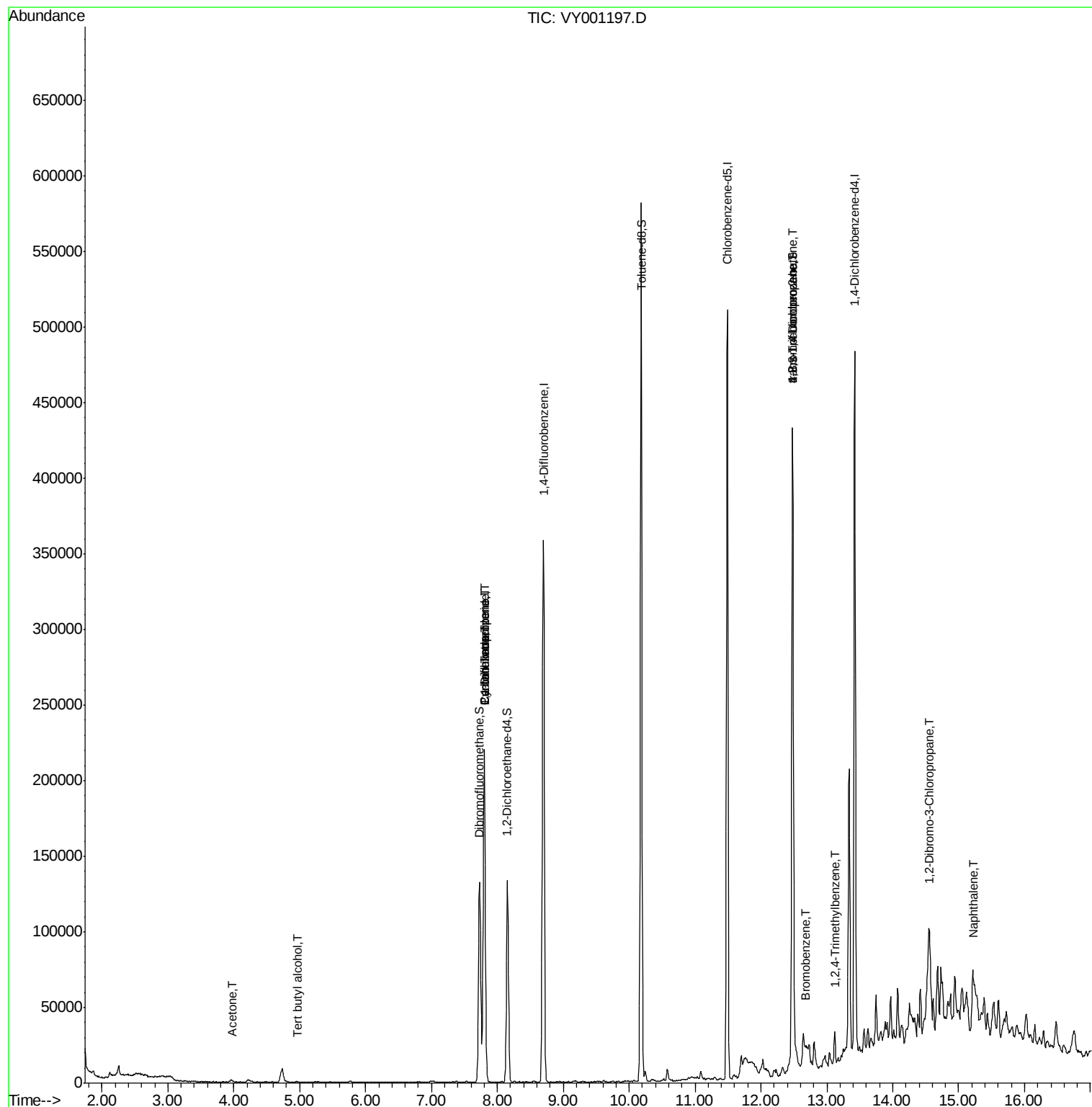
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	206	1.114	ug/l	98
16) Acetone	3.97	43	2148	5.031	ug/l #	84
20) Methylene Chloride	4.73	84	6629	Below Cal	#	92
31) Cyclohexane	7.80	56	3909	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	12570	4.316	ug/l #	49
38) Carbon Tetrachloride	7.80	117	16845	6.311	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	63552	51.961	ug/l #	100
77) Bromobenzene	12.67	156	7578	3.993	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	63552	88.114	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.12	105	11905	1.673	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.55	75	4532	13.903	ug/l #	10
95) Naphthalene	15.23	128	6109	1.194	ug/l #	76

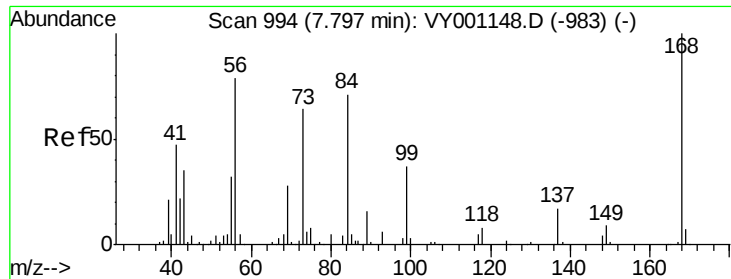
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY011420\
Data File : VY001197.D
Acq On : 14 Jan 2020 12:35
Operator : SY/MD
Sample : L1004-01
Misc : 6.41G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BU-RO-258

Quant Time: Jan 15 01:22:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
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: VY001197.D

Acq: 14 Jan 2020 12:35

Instrument :

MSVOA_Y

ClientSampleId :

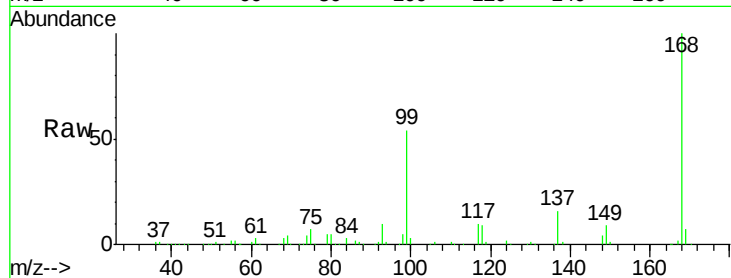
BU-RO-258

Tgt Ion:168 Resp: 174079

Ion Ratio Lower Upper

168 100

99 53.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

40000

20000

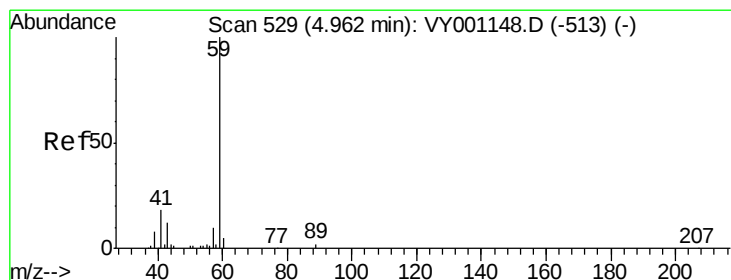
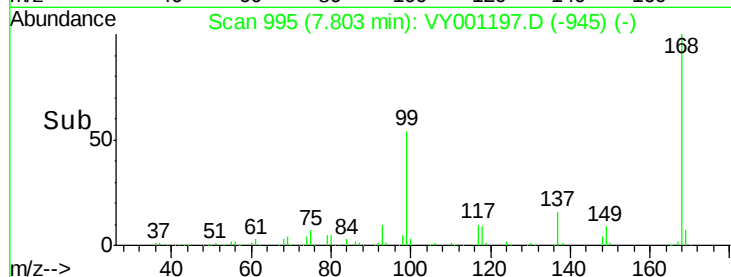
0

Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: 1.114 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY001197.D

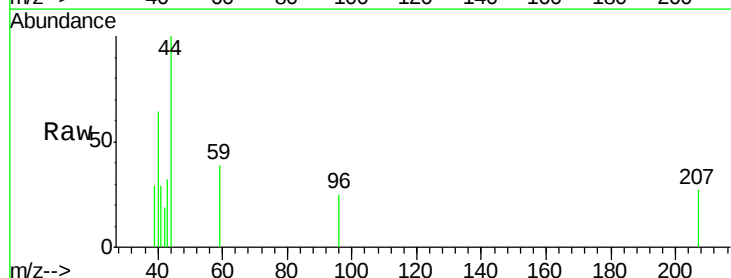
Acq: 14 Jan 2020 12:35

Tgt Ion: 59 Resp: 206

Ion Ratio Lower Upper

59 100

57 10.7 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY001148.D (-513) (-)

4.97

150

100

50

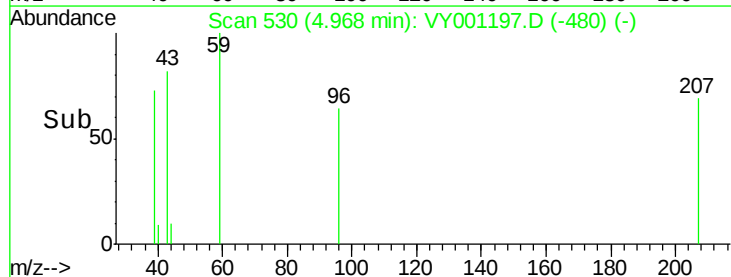
0

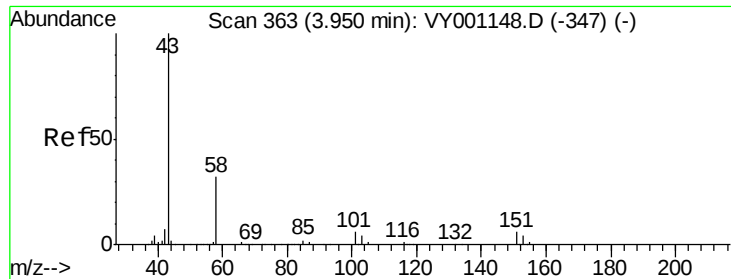
Time-->

4.90

4.95

5.00





#16

Acetone

Concen: 5.031 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001197.D

Acq: 14 Jan 2020 12:35

Instrument :

MSVOA_Y

ClientSampleId :

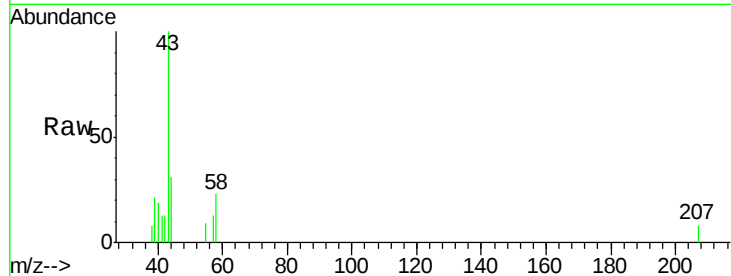
BU-RO-258

Tgt Ion: 43 Resp: 2148

Ion Ratio Lower Upper

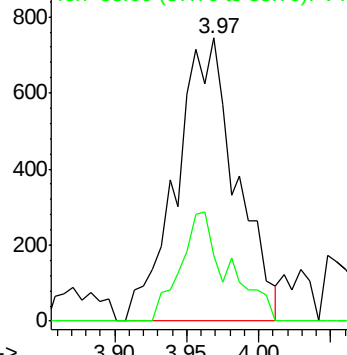
43 100

58 23.1 25.8 38.6#

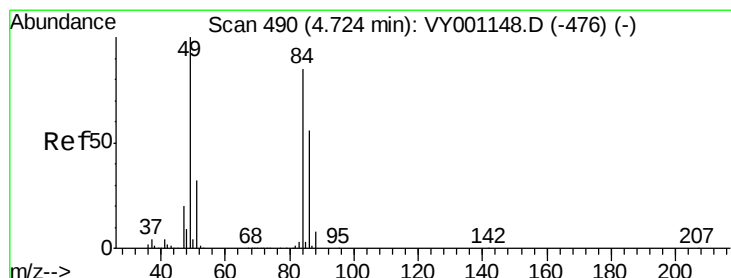
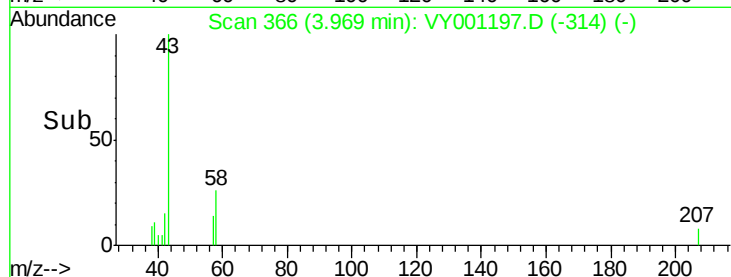


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001197.D

Acq: 14 Jan 2020 12:35

Tgt Ion: 84 Resp: 6629

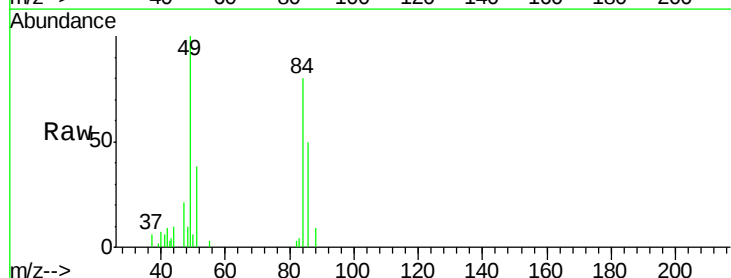
Ion Ratio Lower Upper

84 100

49 124.7 93.8 140.6

51 47.5 29.9 44.9#

86 62.2 52.6 78.8

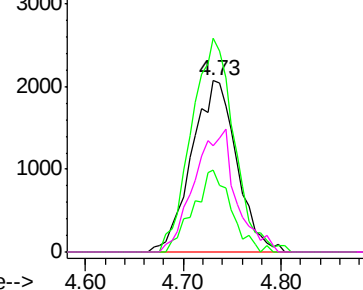


Abundance Ion 83.90 (83.60 to 84.60): VY0

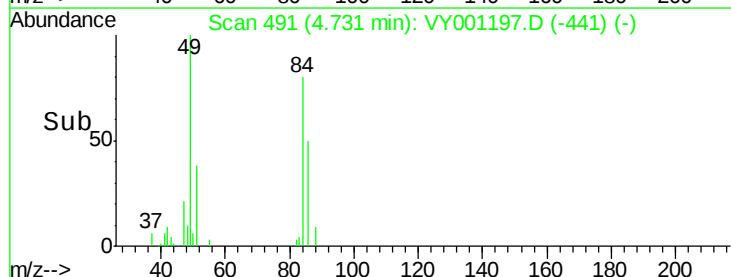
Ion 48.90 (48.60 to 49.60): VY0

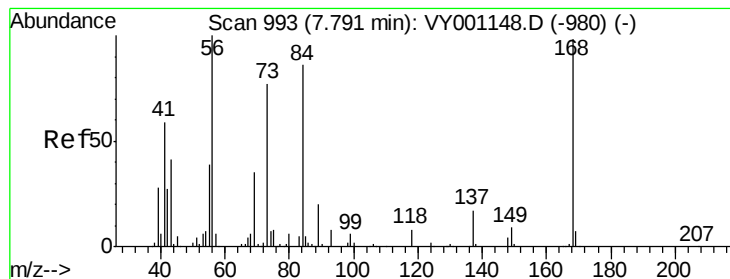
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->





#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001197.D

Acq: 14 Jan 2020 12:35

Instrument :

MSVOA_Y

ClientSampleId :

BU-RO-258

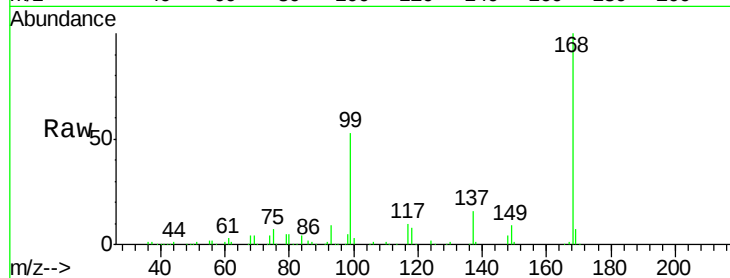
Tgt Ion: 56 Resp: 3909

Ion Ratio Lower Upper

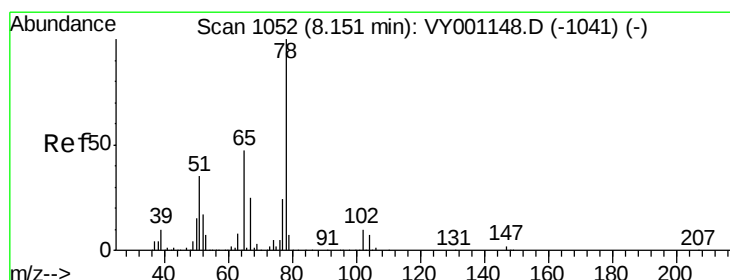
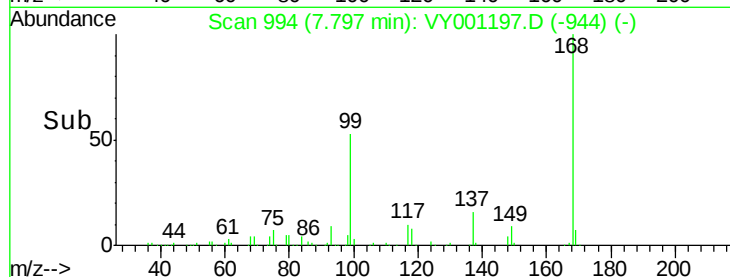
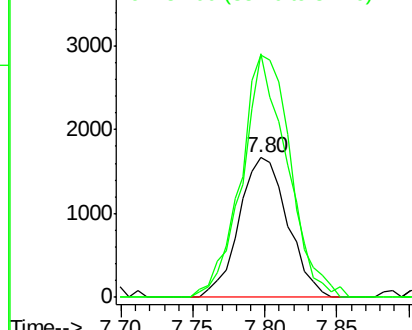
56 100

69 173.8 27.8 41.8#

84 174.5 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: 54.265 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001197.D

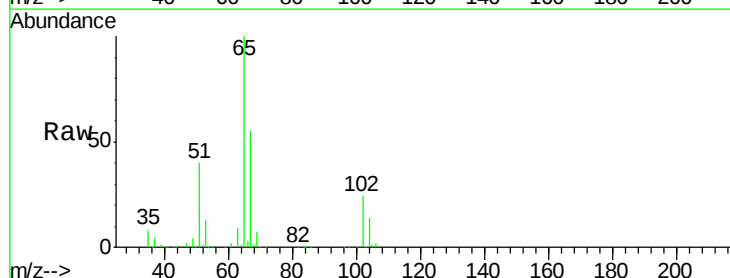
Acq: 14 Jan 2020 12:35

Tgt Ion: 65 Resp: 99771

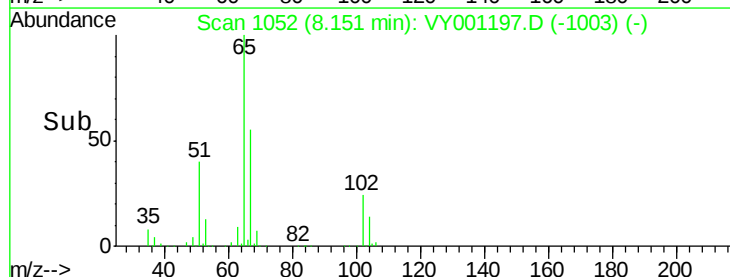
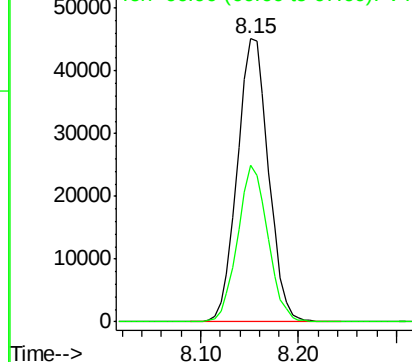
Ion Ratio Lower Upper

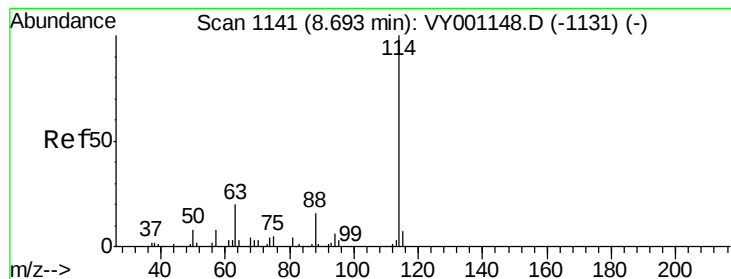
65 100

67 53.7 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: VY001197.D

Acq: 14 Jan 2020 12:35

Instrument :

MSVOA_Y

ClientSampleId :

BU-RO-258

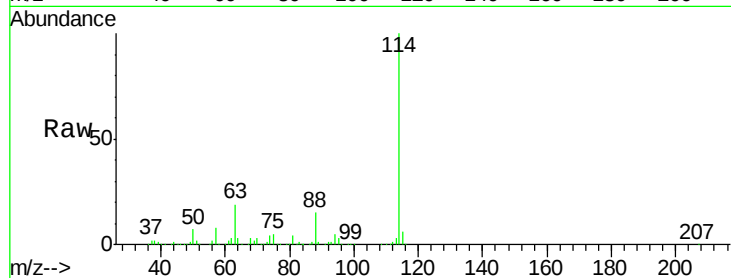
Tgt Ion:114 Resp: 319525

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

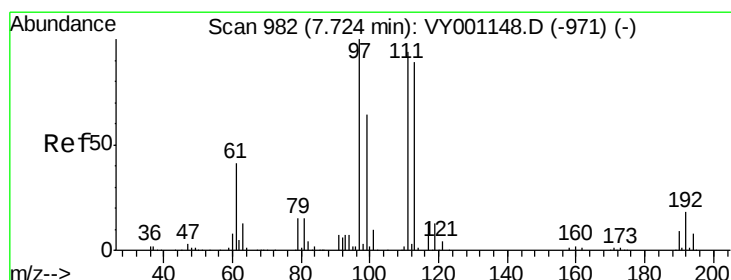
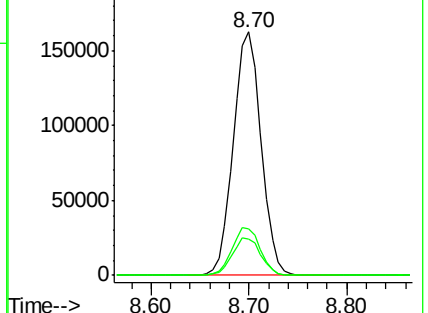
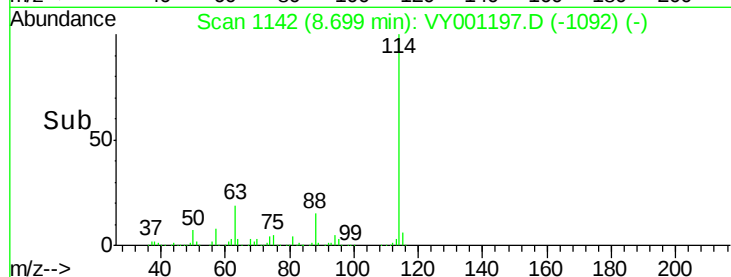
88 14.7 0.0 32.4



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: 50.495 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001197.D

Acq: 14 Jan 2020 12:35

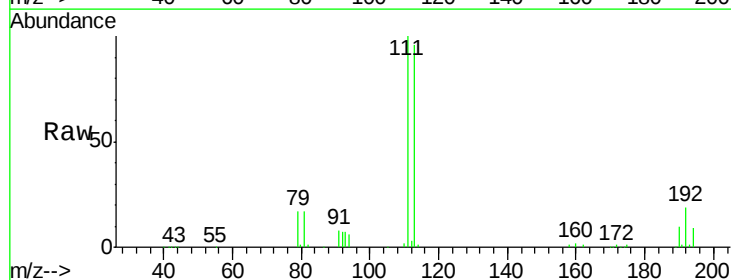
Tgt Ion:113 Resp: 94467

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

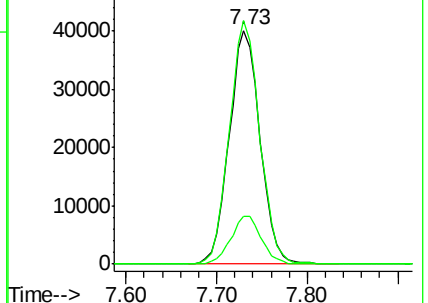
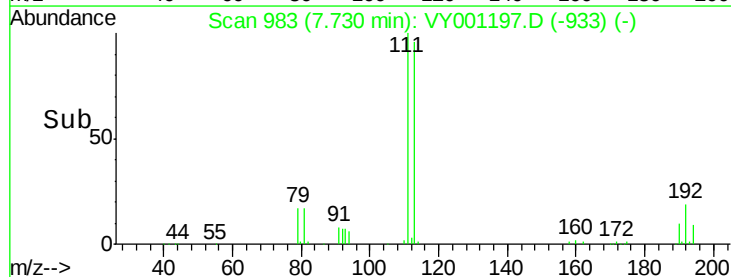
192 20.4 15.4 23.2

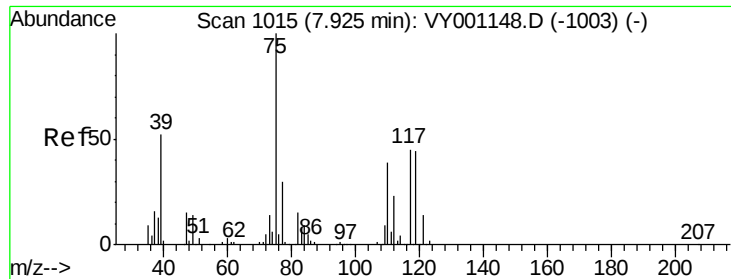


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

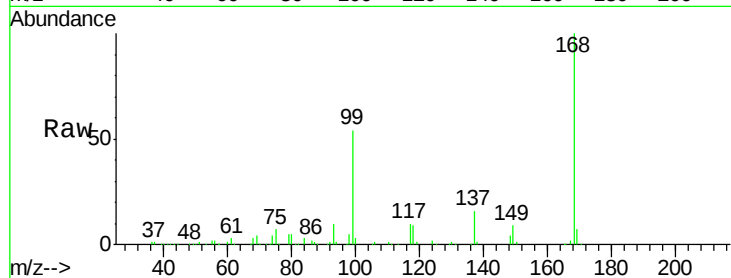




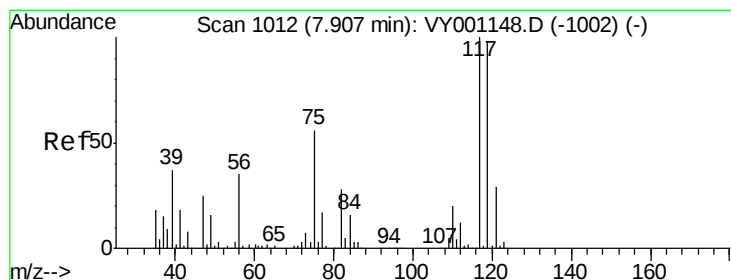
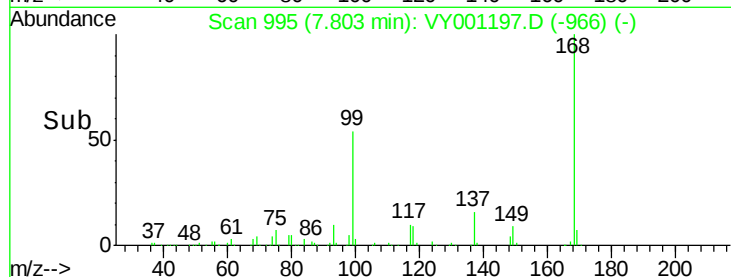
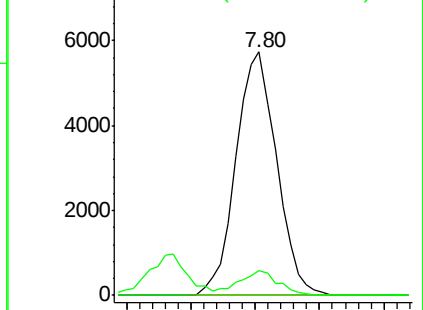
#36
 1,1-Dichloropropene
 Concen: 4.316 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001197.D
 Acq: 14 Jan 2020 12:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-RO-258

Tgt Ion: 75 Resp: 12570
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.3 54.8#
 77 0.0 25.1 37.7#

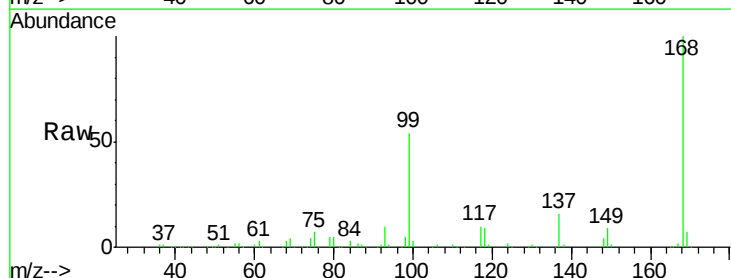


Abundance Ion 74.90 (74.60 to 75.60): VY001148.D (-1003) (-)
 Ion 109.90 (109.60 to 110.60): VY001148.D (-1003) (-)
 Ion 76.90 (76.60 to 77.60): VY001148.D (-1003) (-)

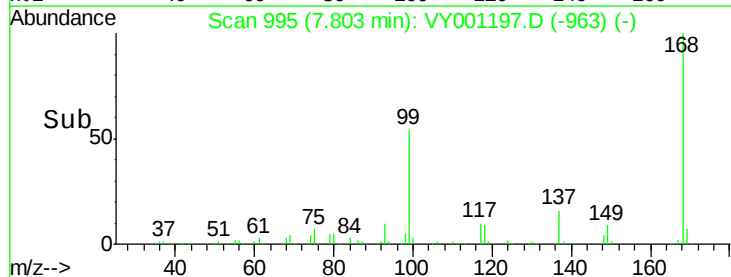
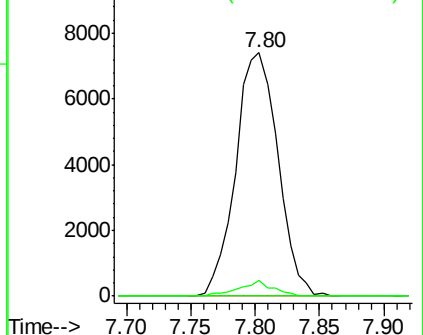


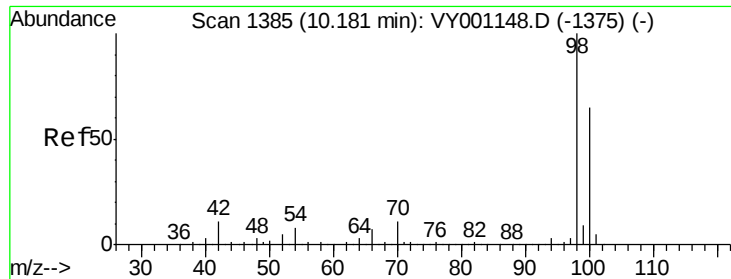
#38
 Carbon Tetrachloride
 Concen: 6.311 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY001197.D
 Acq: 14 Jan 2020 12:35

Tgt Ion: 117 Resp: 16845
 Ion Ratio Lower Upper
 117 100
 119 6.2 78.3 117.5#
 121 0.0 23.5 35.3#



Abundance Ion 116.80 (116.50 to 117.50): VY001148.D (-1002) (-)
 Ion 118.80 (118.50 to 119.50): VY001148.D (-1002) (-)
 Ion 120.80 (120.50 to 121.50): VY001148.D (-1002) (-)





#50

Toluene-d8

Concen: 52.106 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001197.D

Acq: 14 Jan 2020 12:35

Instrument :

MSVOA_Y

ClientSampleId :

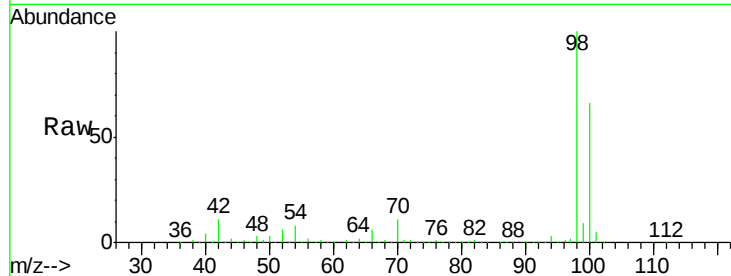
BU-RO-258

Tgt Ion: 98 Resp: 375607

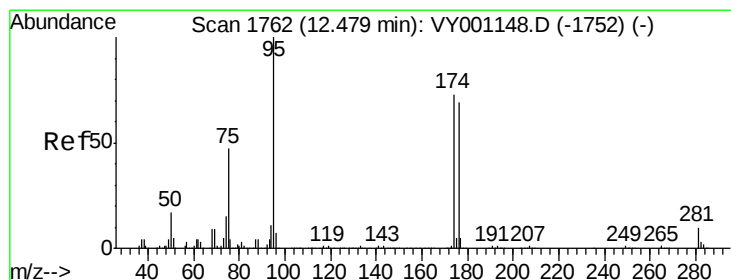
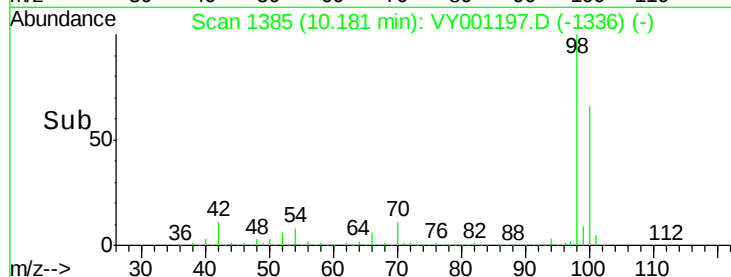
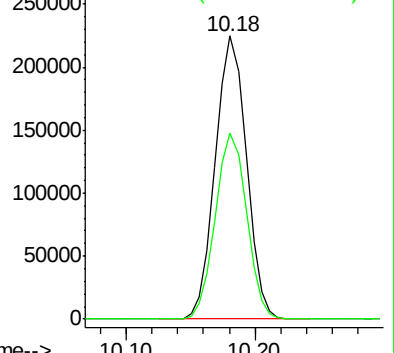
Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY001148.D (-1375) (-)



#62

4-Bromofluorobenzene

Concen: 43.923 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001197.D

Acq: 14 Jan 2020 12:35

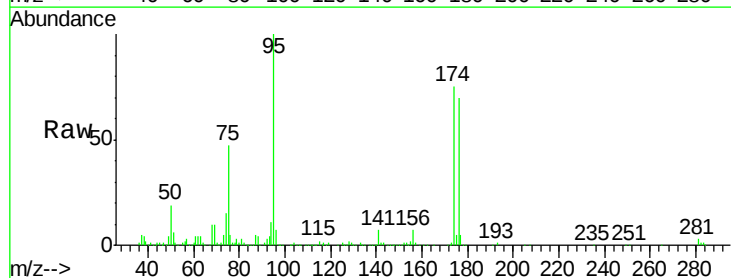
Tgt Ion: 95 Resp: 129443

Ion Ratio Lower Upper

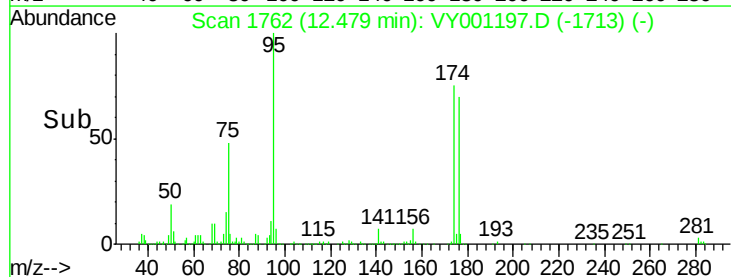
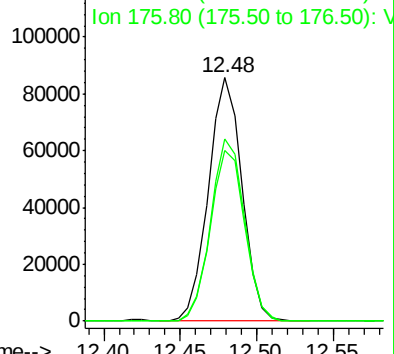
95 100

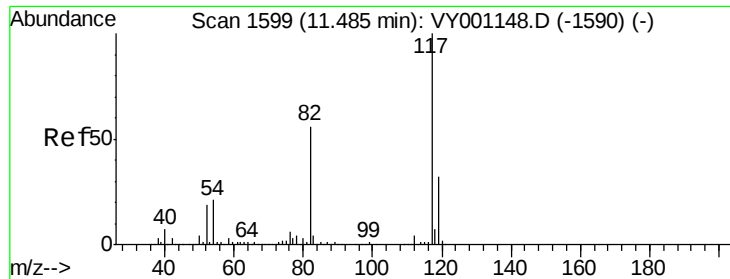
174 76.3 0.0 143.2

176 72.7 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY001148.D (-1752) (-)

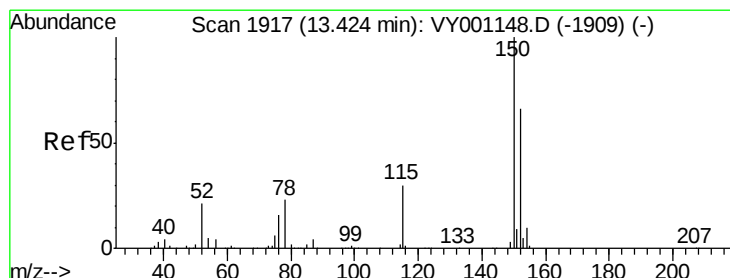
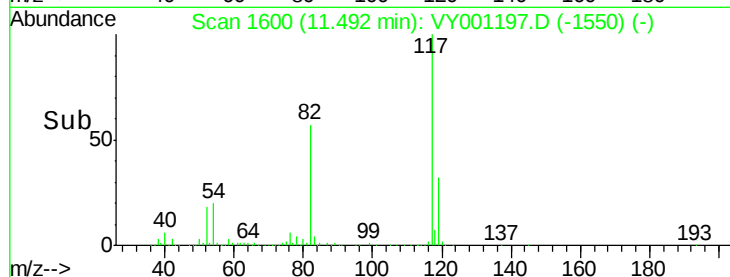
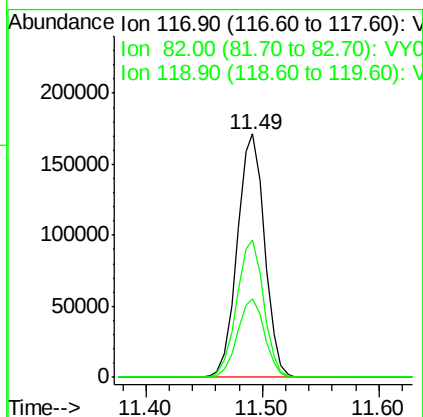
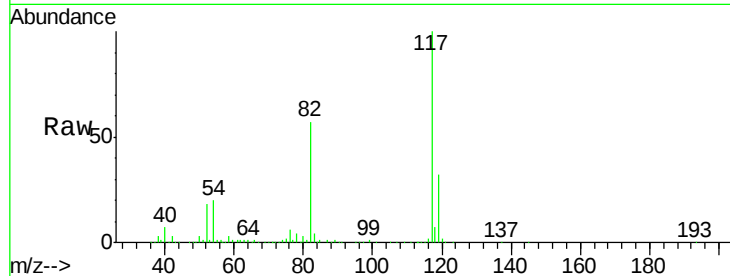




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001197.D
Acq: 14 Jan 2020 12:35

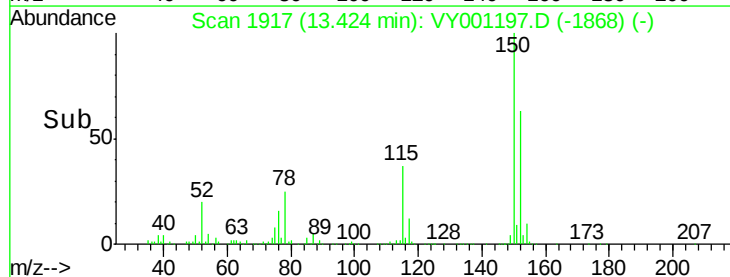
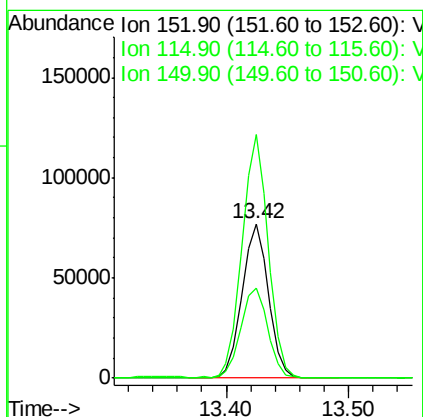
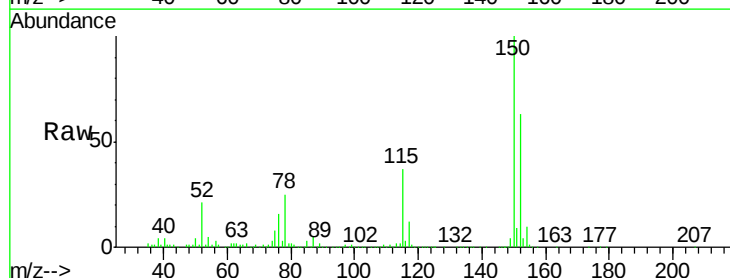
Instrument :
MSVOA_Y
ClientSampleId :
BU-RO-258

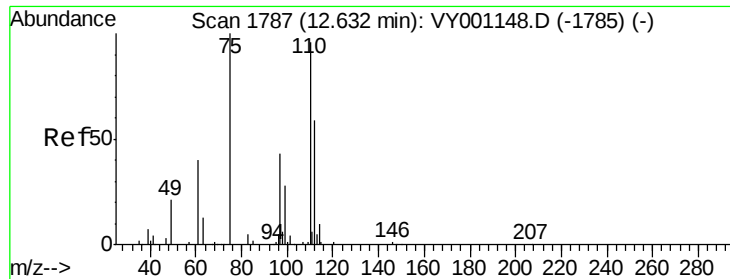
Tgt Ion:117 Resp: 279987
Ion Ratio Lower Upper
117 100
82 56.6 44.9 67.3
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001197.D
Acq: 14 Jan 2020 12:35

Tgt Ion:152 Resp: 114252
Ion Ratio Lower Upper
152 100
115 60.3 30.9 92.5
150 156.8 0.0 346.8

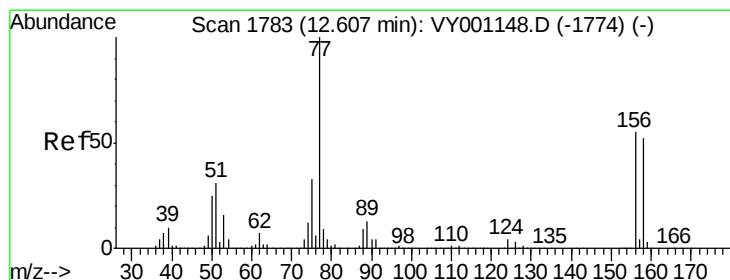
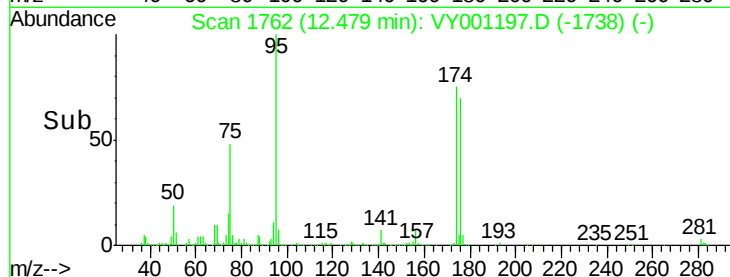
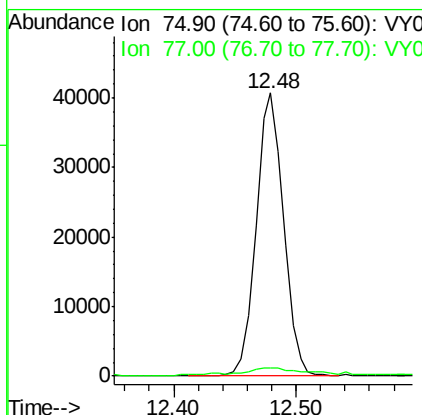
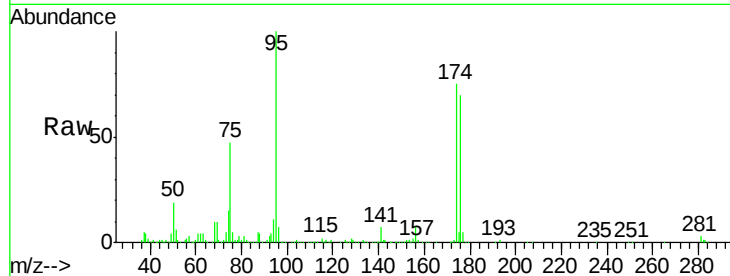




#76
 1,2,3-Trichloropropane
 Concen: 51.961 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY001197.D
 Acq: 14 Jan 2020 12:35

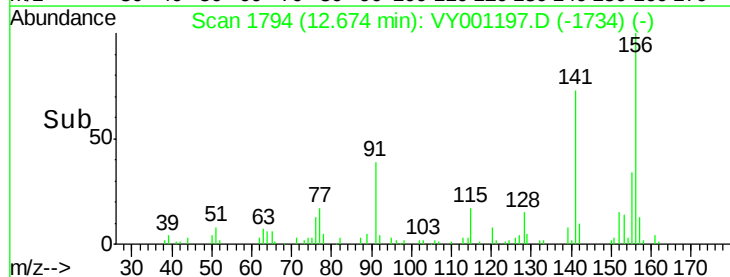
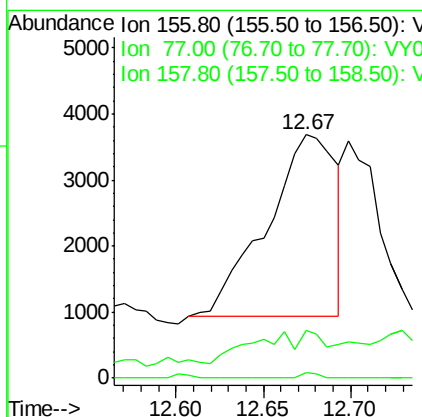
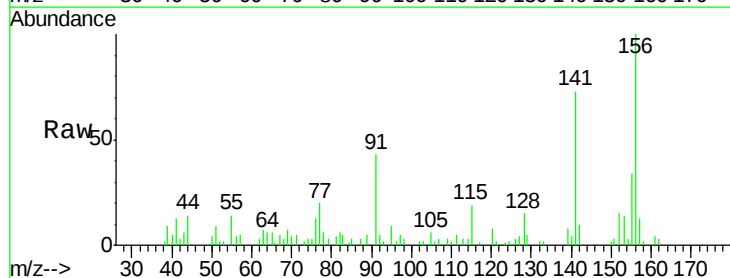
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-RO-258

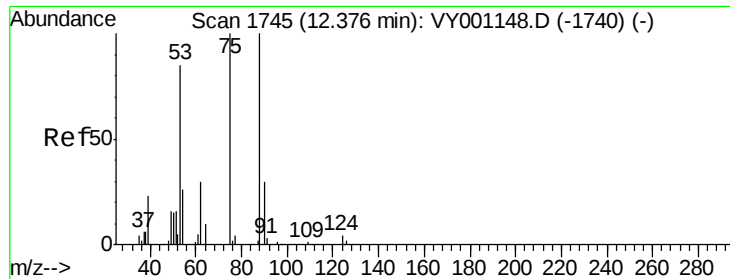
Tgt Ion: 75 Resp: 63552
 Ion Ratio Lower Upper
 75 100
 77 5.1 0.0 0.0#



#77
 Bromobenzene
 Concen: 3.993 ug/l
 RT: 12.67 min Scan# 1794
 Delta R.T. 0.07 min
 Lab File: VY001197.D
 Acq: 14 Jan 2020 12:35

Tgt Ion: 156 Resp: 7578
 Ion Ratio Lower Upper
 156 100
 77 0.0 106.7 320.1#
 158 0.7 48.3 144.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 88.114 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001197.D

Acq: 14 Jan 2020 12:35

Instrument :

MSVOA_Y

ClientSampleId :

BU-RO-258

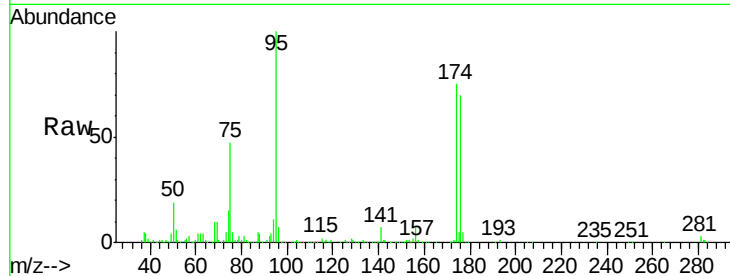
Tgt Ion: 75 Resp: 63552

Ion Ratio Lower Upper

75 100

53 0.7 69.4 104.2#

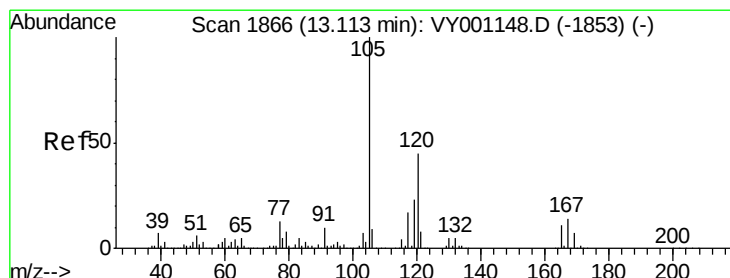
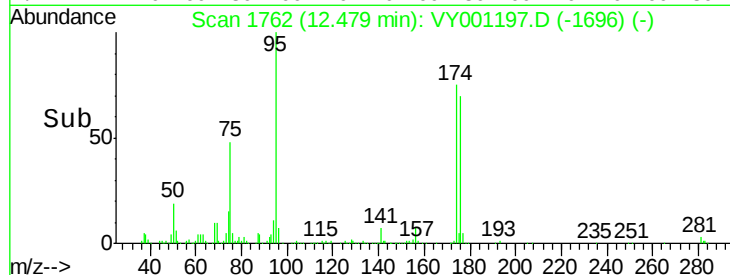
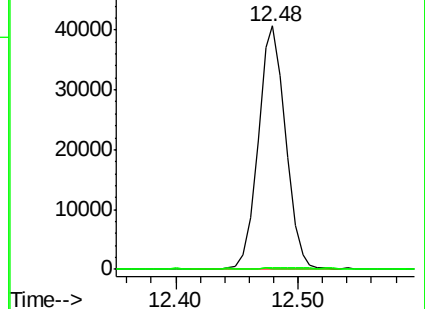
89 0.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY001148.D (-1740) (-)

Ion 53.00 (52.70 to 53.70): VY001148.D (-1740) (-)

Ion 88.90 (88.60 to 89.60): VY001148.D (-1740) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.673 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.01 min

Lab File: VY001197.D

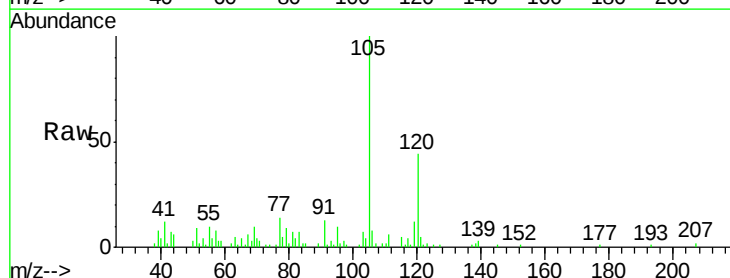
Acq: 14 Jan 2020 12:35

Tgt Ion: 105 Resp: 11905

Ion Ratio Lower Upper

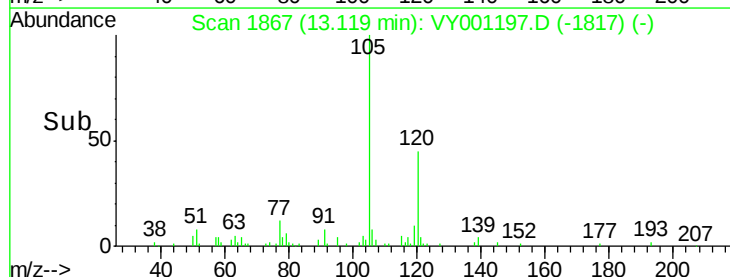
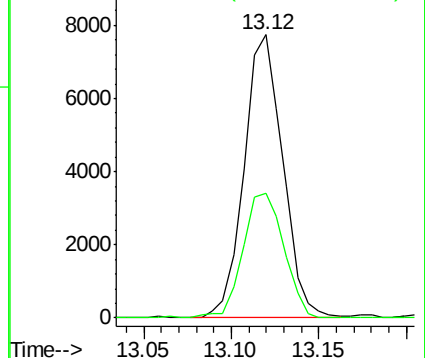
105 100

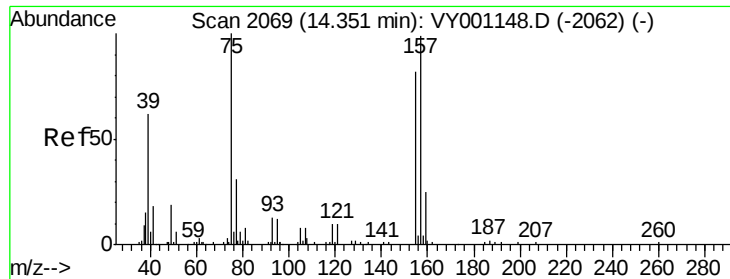
120 46.5 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1853) (-)

Ion 120.00 (119.70 to 120.70): VY001148.D (-1853) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 13.903 ug/l

RT: 14.55 min Scan# 2102

Delta R.T. 0.20 min

Lab File: VY001197.D

Acq: 14 Jan 2020 12:35

Instrument :

MSVOA_Y

ClientSampled :

BU-RO-258

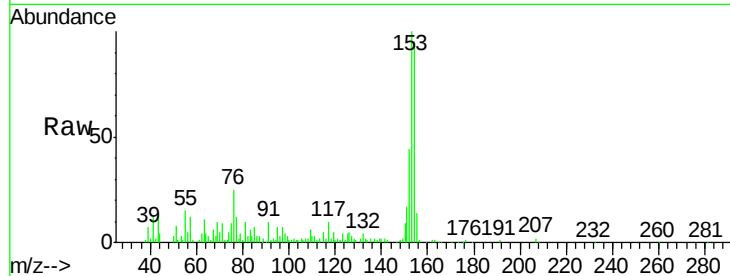
Tgt Ion: 75 Resp: 4532

Ion Ratio Lower Upper

75 100

155 150.1 41.2 123.6#

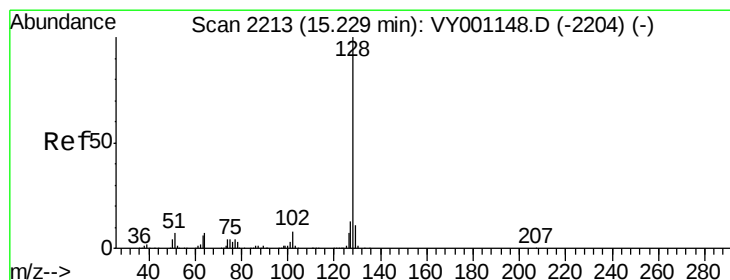
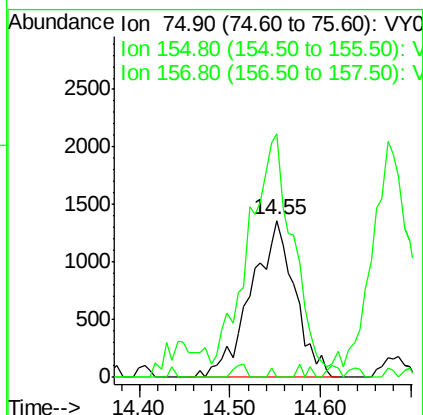
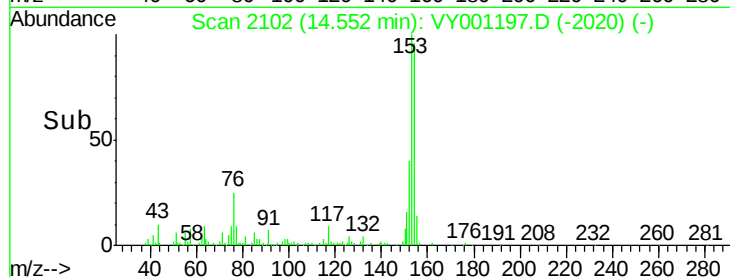
157 0.6 52.8 158.4#



Abundance Ion 74.90 (74.60 to 75.60): VY001197.D (-2020) (-)

Ion 154.80 (154.50 to 155.50): VY001197.D (-2020) (-)

Ion 156.80 (156.50 to 157.50): VY001197.D (-2020) (-)



#95

Naphthalene

Concen: 1.194 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY001197.D

Acq: 14 Jan 2020 12:35

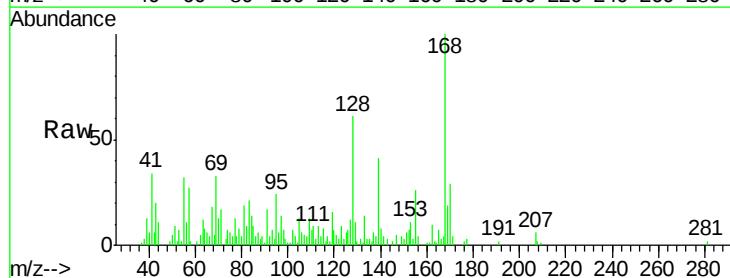
Tgt Ion: 128 Resp: 6109

Ion Ratio Lower Upper

128 100

127 20.1 10.2 15.4#

129 22.1 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): VY001197.D (-2164) (-)

Ion 127.00 (126.70 to 127.70): VY001197.D (-2164) (-)

Ion 129.00 (128.70 to 129.70): VY001197.D (-2164) (-)

