

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030220\
 Data File : VY001818.D
 Acq On : 02 Mar 2020 14:20
 Operator : SY/MD
 Sample : L1743-11
 Misc : 8.12G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-5

Quant Time: Mar 02 15:16:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	149320	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	290513	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	266357	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	117694	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	92330	57.49	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	114.98%	
35) Dibromofluoromethane	7.73	113	85928	51.64	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.28%	
50) Toluene-d8	10.18	98	350518	53.77	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.49	95	122602	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	

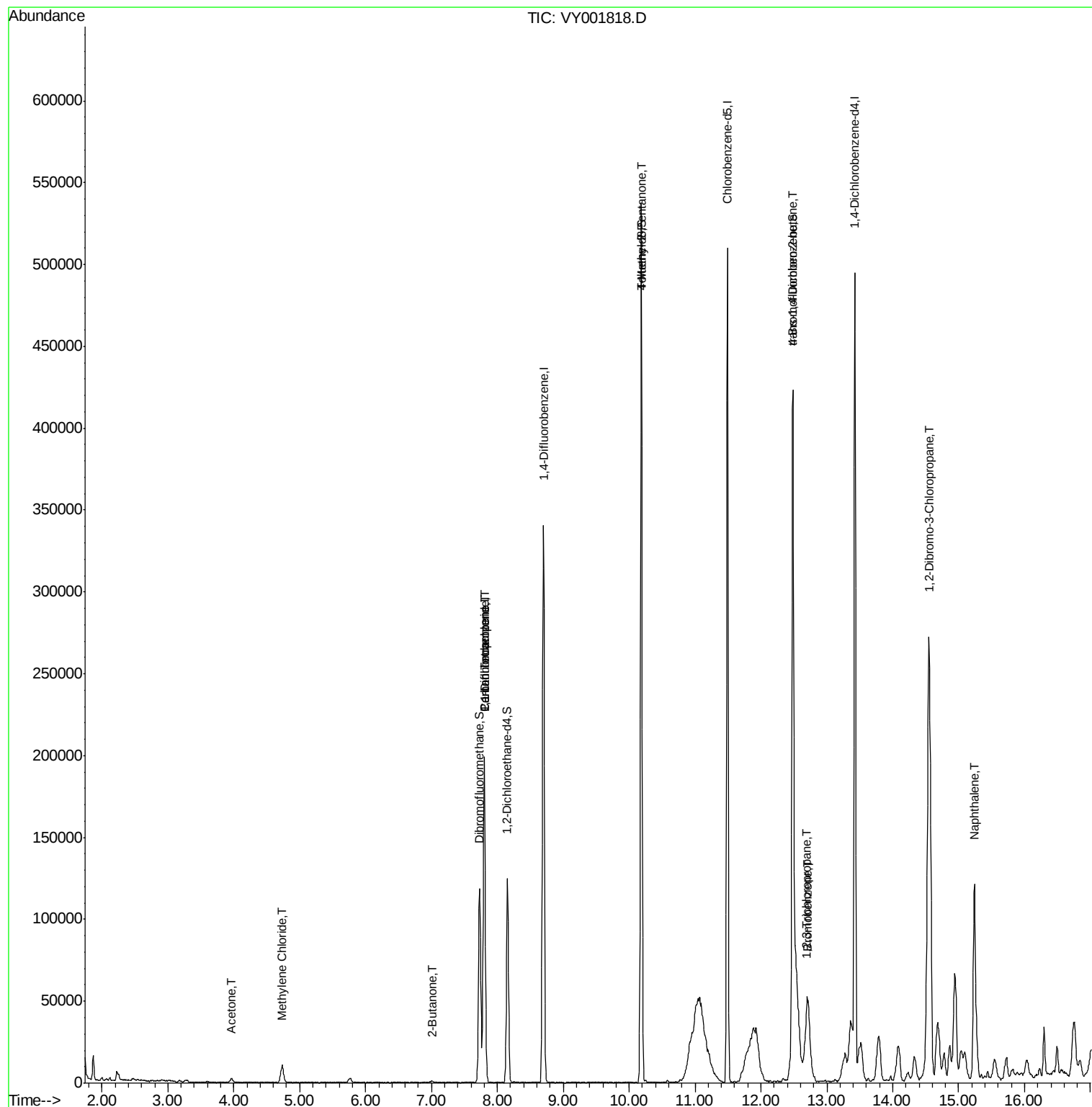
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	20	Below Cal	#	74
16) Acetone	3.96	43	4675	8.41	ug/l	93
20) Methylene Chloride	4.73	84	7894	4.00	ug/l	97
25) 2-Butanone	7.02	43	986	1.31	ug/l	# 48
36) 1,1-Dichloropropene	7.80	75	12921	4.66	ug/l	# 50
38) Carbon Tetrachloride	7.80	117	14720	6.04	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.18	43	1768	1.10	ug/l	# 1
76) 1,2,3-Trichloropropane	12.69	75	1946	1.44	ug/l	# 100
77) Bromobenzene	12.70	156	59329	30.52	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.48	75	64004	89.94	ug/l	# 17
92) 1,2-Dibromo-3-Chloropropan	14.55	75	20803	65.84	ug/l	# 13
95) Naphthalene	15.23	128	52356	9.85	ug/l	# 96

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

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Operator : SY/MD
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Misc : 8.12G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G-5

Quant Time: Mar 02 15:16:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 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: VY001818.D

Acq: 02 Mar 2020 14:20

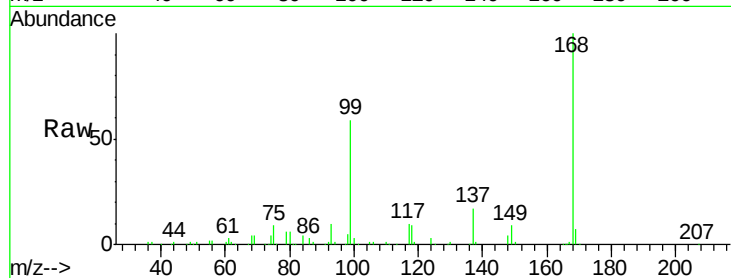
Instrument :
MSVOA_Y
ClientSampled :
G-5

Tgt Ion: 168 Resp: 149320

Ion Ratio Lower Upper

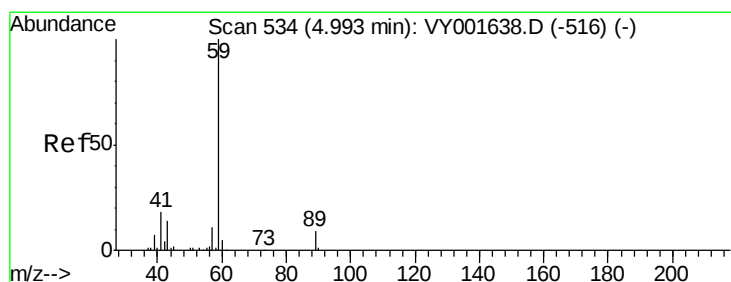
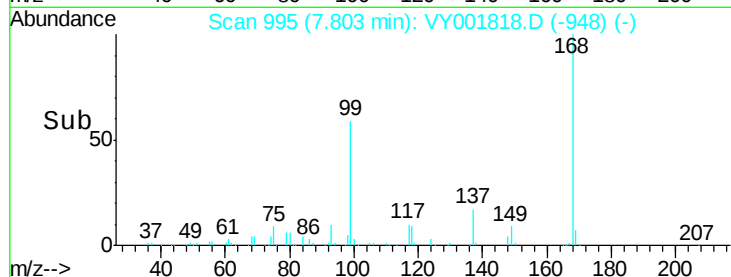
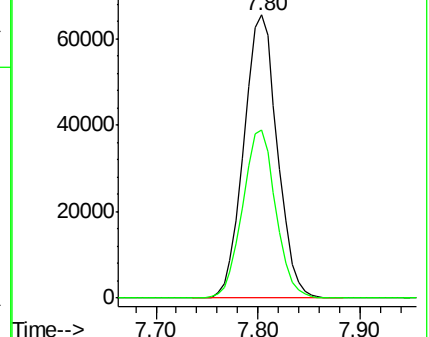
168 100

99 59.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001818.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001818.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.04 min

Lab File: VY001818.D

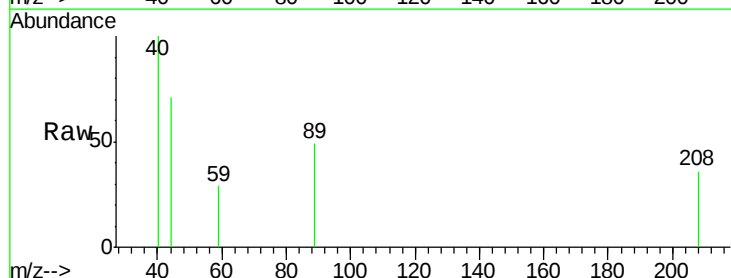
Acq: 02 Mar 2020 14:20

Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

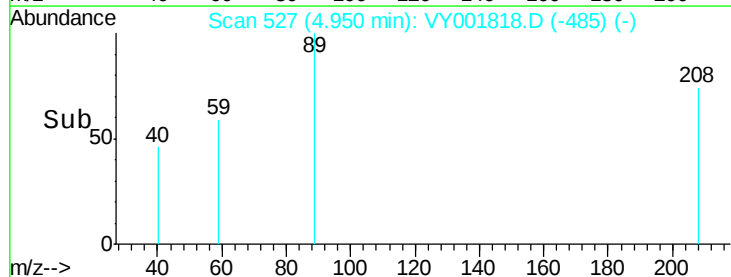
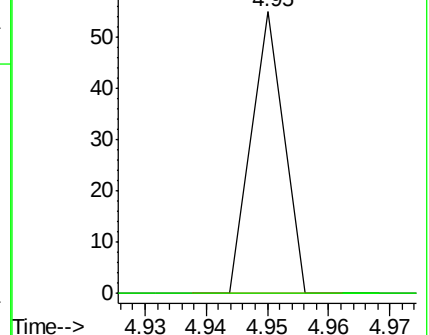
59 100

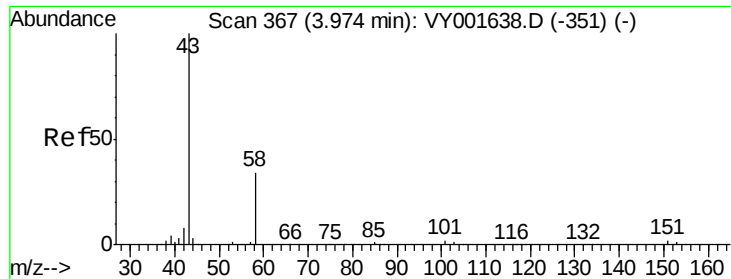
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001818.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001818.D (-485) (-)





#16

Acetone

Concen: 8.41 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001818.D

Acq: 02 Mar 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

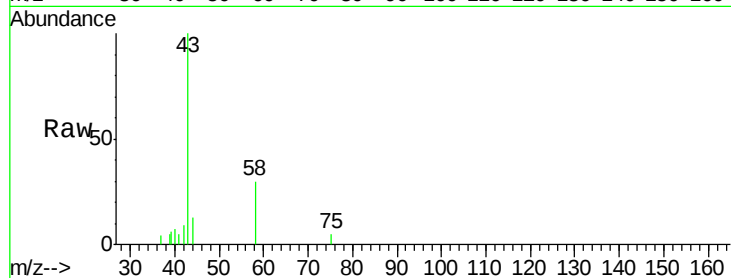
G-5

Tgt Ion: 43 Resp: 4675

Ion Ratio Lower Upper

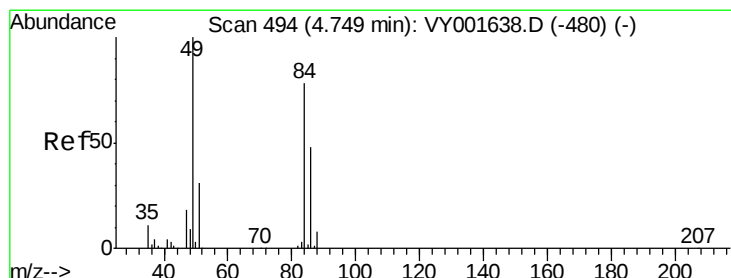
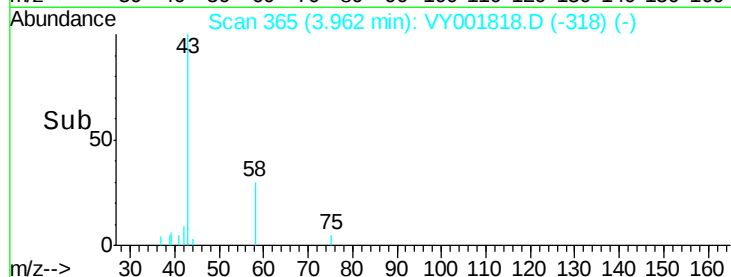
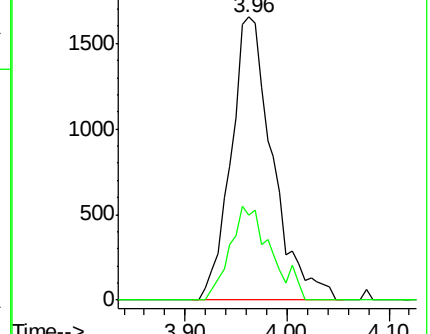
43 100

58 29.8 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001818.D (-365) (-)

Ion 58.00 (57.70 to 58.70): VY001818.D (-365) (-)



#20

Methylene Chloride

Concen: 4.00 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.02 min

Lab File: VY001818.D

Acq: 02 Mar 2020 14:20

Tgt Ion: 84 Resp: 7894

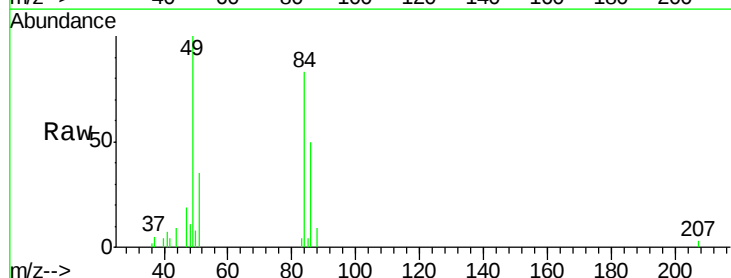
Ion Ratio Lower Upper

84 100

49 120.8 99.2 148.8

51 42.5 31.5 47.3

86 61.0 51.0 76.6

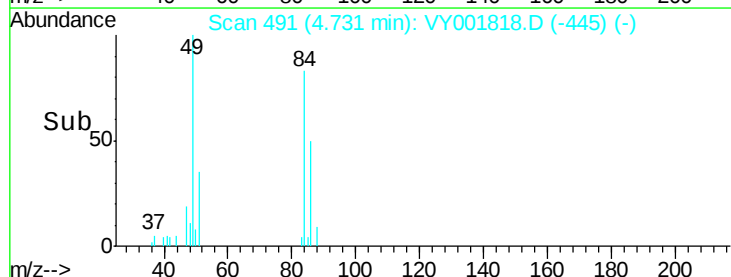
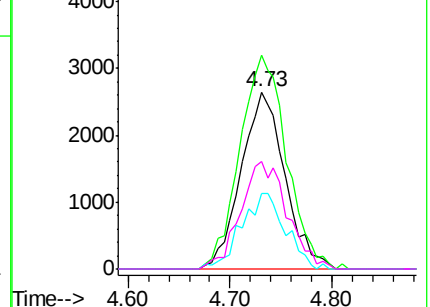


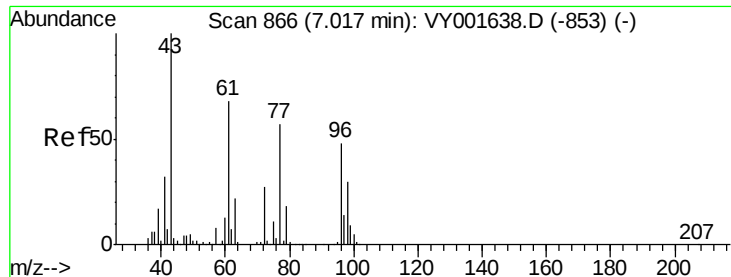
Abundance Ion 83.90 (83.60 to 84.60): VY001818.D (-494) (-)

Ion 48.90 (48.60 to 49.60): VY001818.D (-494) (-)

Ion 50.90 (50.60 to 51.60): VY001818.D (-494) (-)

Ion 85.90 (85.60 to 86.60): VY001818.D (-494) (-)





#25

2-Butanone

Concen: 1.31 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001818.D

Acq: 02 Mar 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

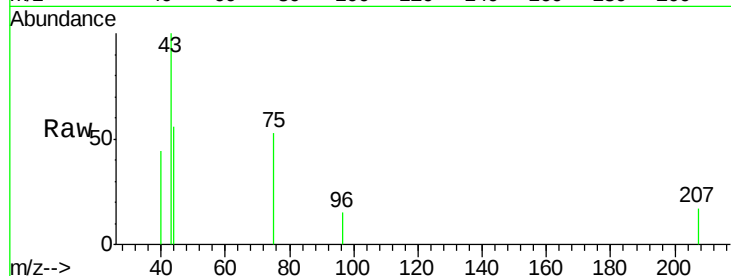
G-5

Tgt Ion: 43 Resp: 986

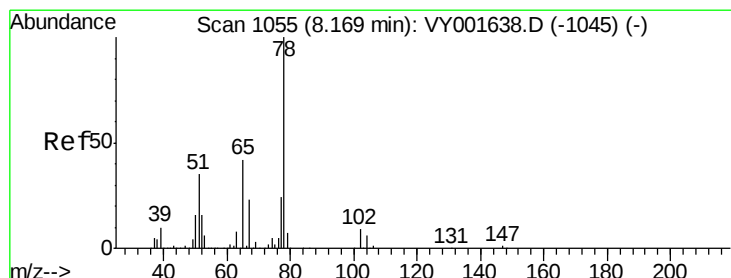
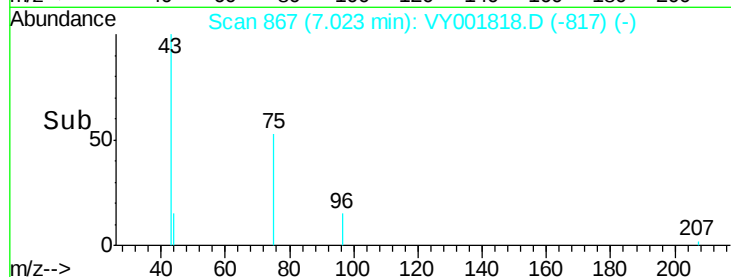
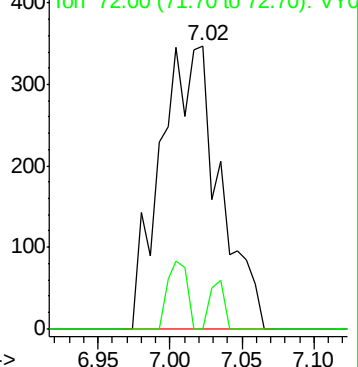
Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VY001818.D (-817) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.49 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001818.D

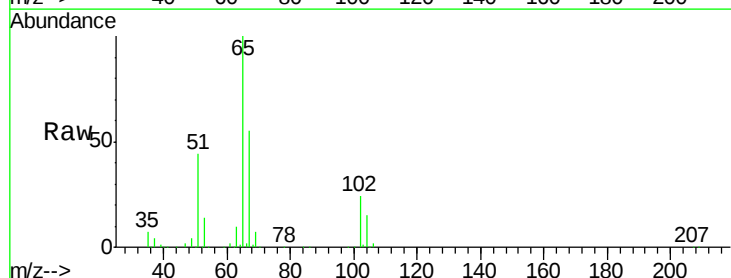
Acq: 02 Mar 2020 14:20

Tgt Ion: 65 Resp: 92330

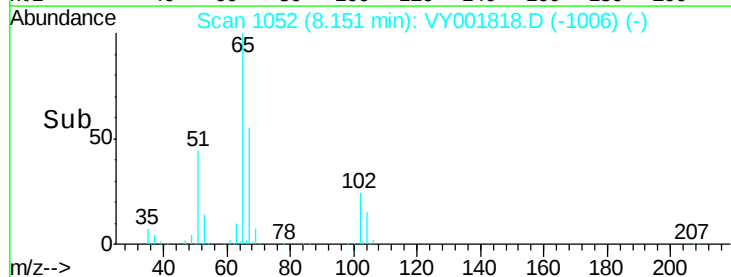
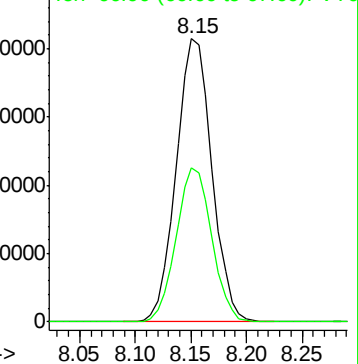
Ion Ratio Lower Upper

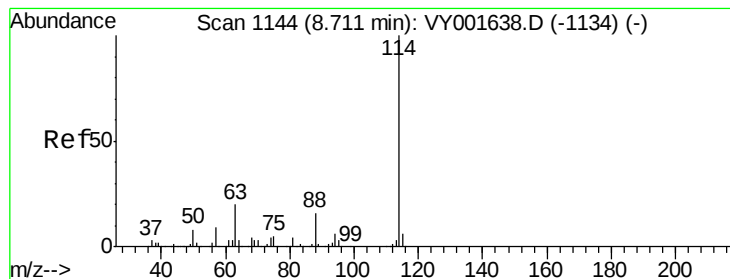
65 100

67 54.4 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY001818.D (-1006) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001818.D

Acq: 02 Mar 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

G-5

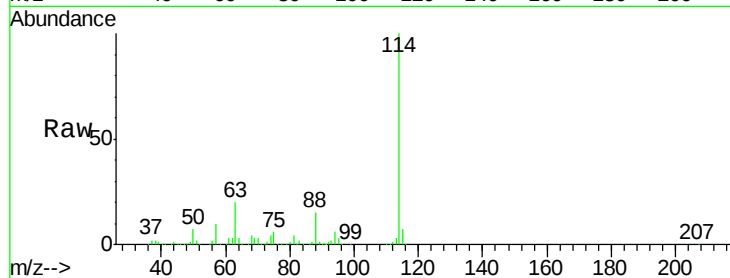
Tgt Ion:114 Resp: 290513

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

88 15.4 0.0 32.8



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

200000

150000

100000

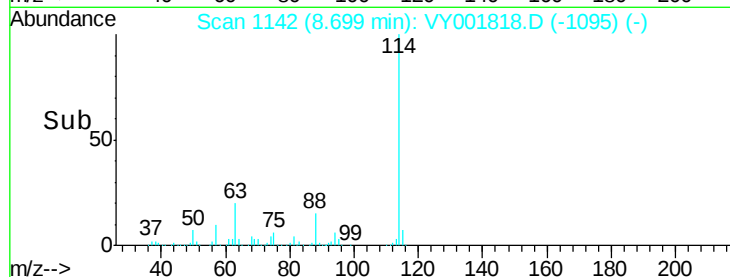
50000

0

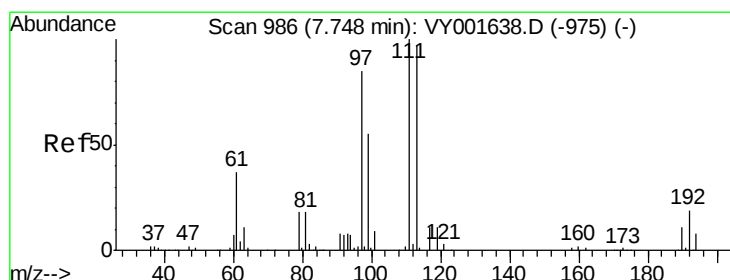
8.60

8.70

8.80



Time-->



#35

Dibromofluoromethane

Concen: 51.64 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001818.D

Acq: 02 Mar 2020 14:20

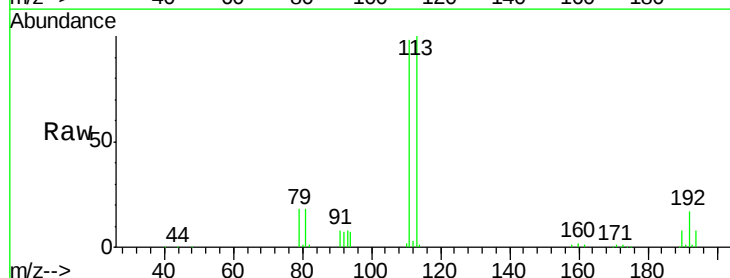
Tgt Ion:113 Resp: 85928

Ion Ratio Lower Upper

113 100

111 100.3 81.9 122.9

192 17.7 14.3 21.5



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

50000

40000

30000

20000

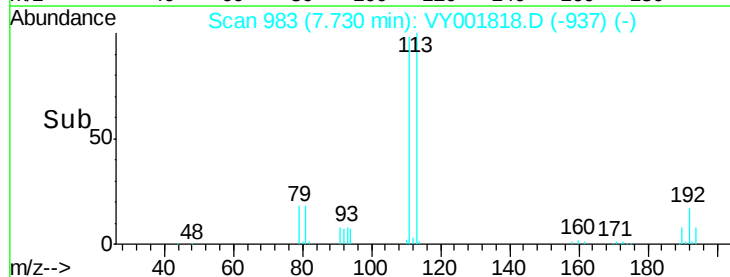
10000

0

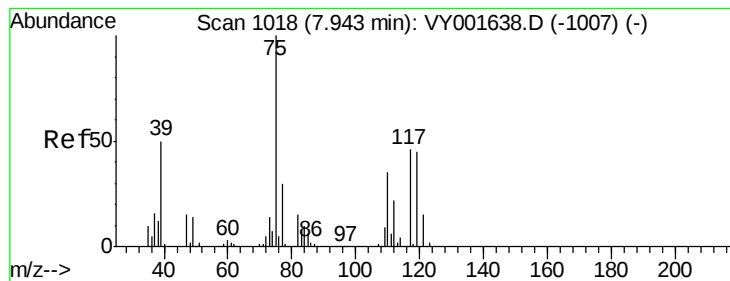
7.60

7.70

7.80



Time-->



#36

1,1-Dichloropropene

Concen: 4.66 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.15 min

Lab File: VY001818.D

Acq: 02 Mar 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

G-5

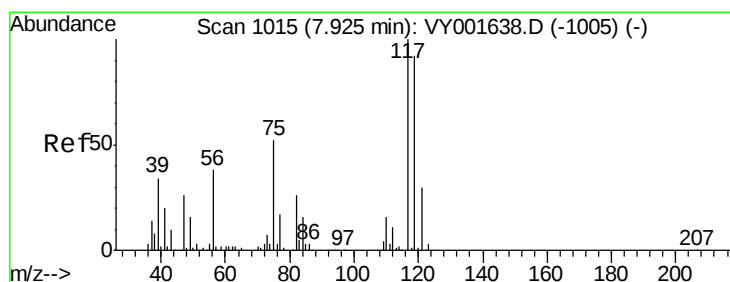
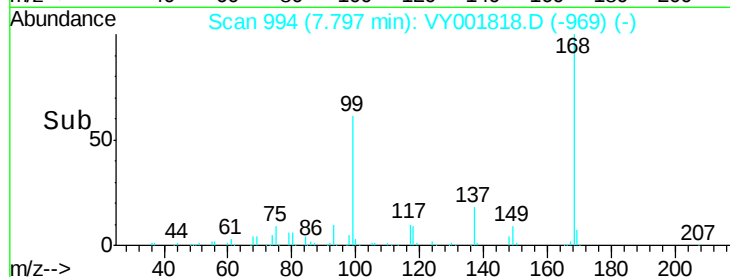
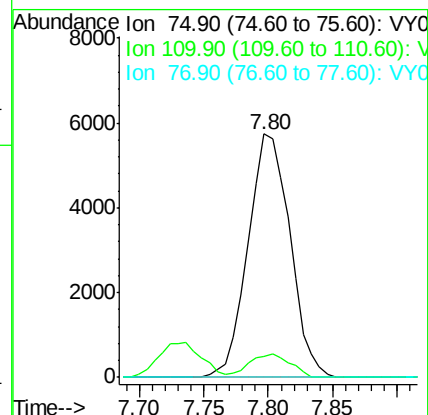
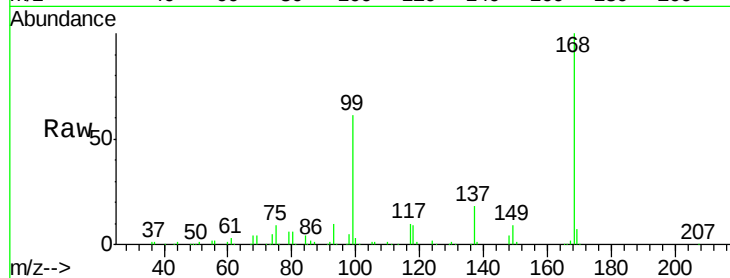
Tgt Ion: 75 Resp: 12921

Ion Ratio Lower Upper

75 100

110 9.4 17.2 51.6#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.04 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001818.D

Acq: 02 Mar 2020 14:20

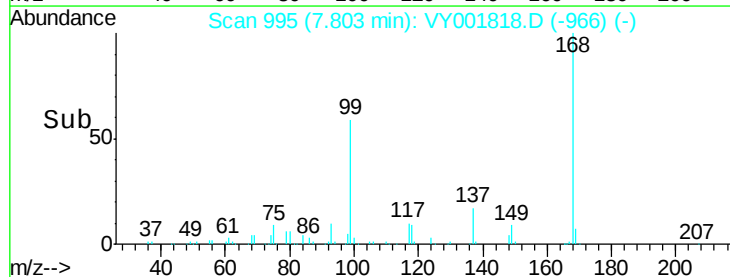
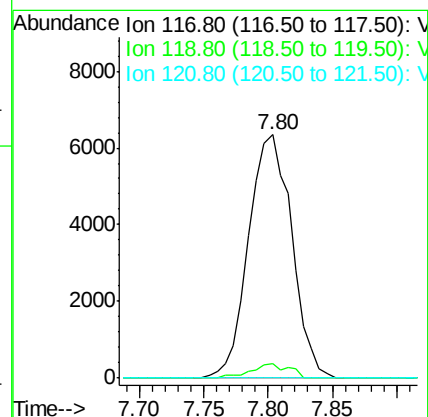
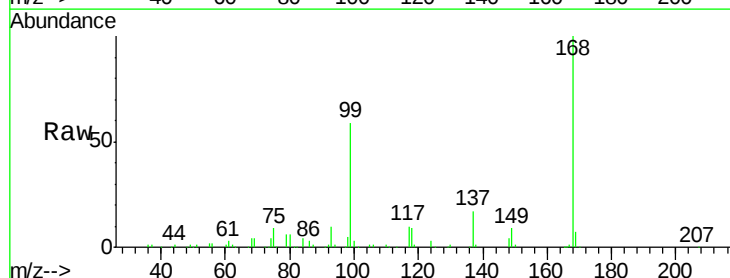
Tgt Ion: 117 Resp: 14720

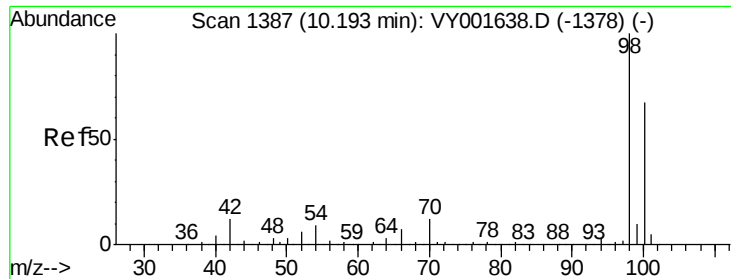
Ion Ratio Lower Upper

117 100

119 5.8 74.8 112.2#

121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 53.77 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001818.D

Acq: 02 Mar 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

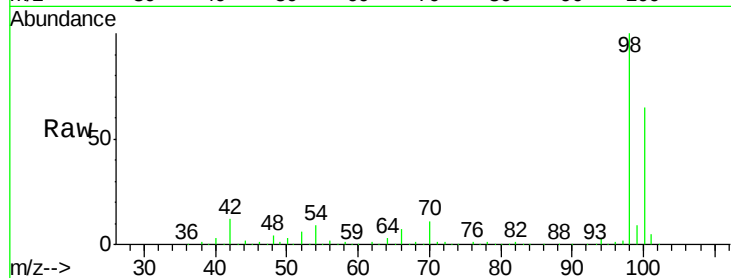
G-5

Tgt Ion: 98 Resp: 350518

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001818.D (-1338) (-)

Ion 100.00 (99.70 to 100.70): VY001818.D (-1338) (-)

10.18

200000

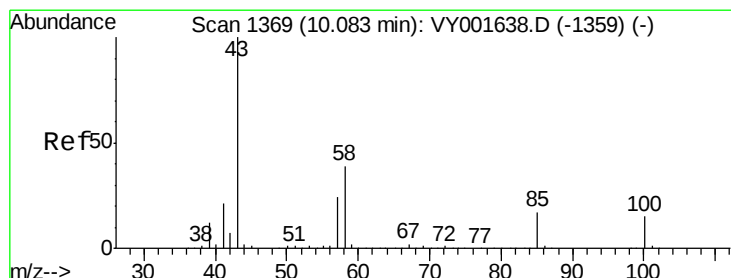
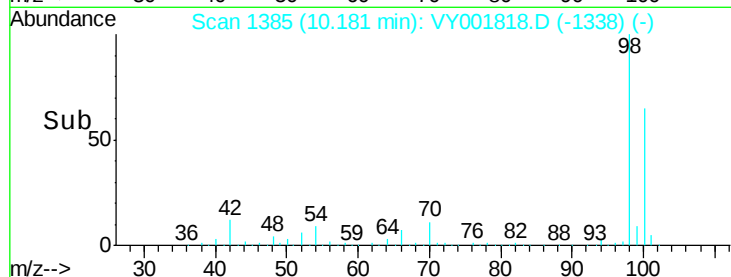
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.10 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY001818.D

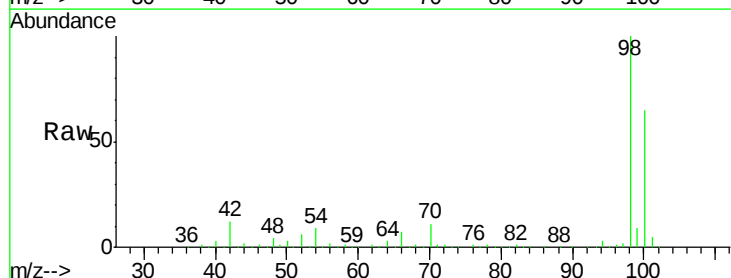
Acq: 02 Mar 2020 14:20

Tgt Ion: 43 Resp: 1768

Ion Ratio Lower Upper

43 100

58 184.7 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VY001818.D (-1320) (-)

Ion 58.00 (57.70 to 58.70): VY001818.D (-1320) (-)

10.18

2000

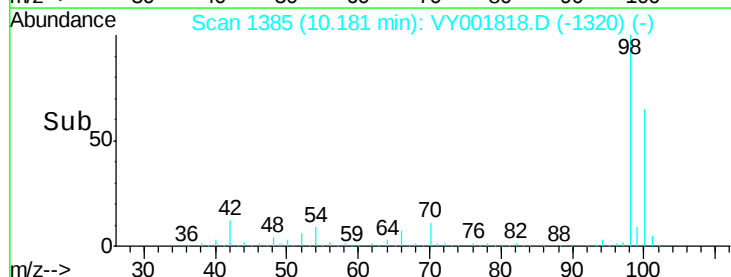
1500

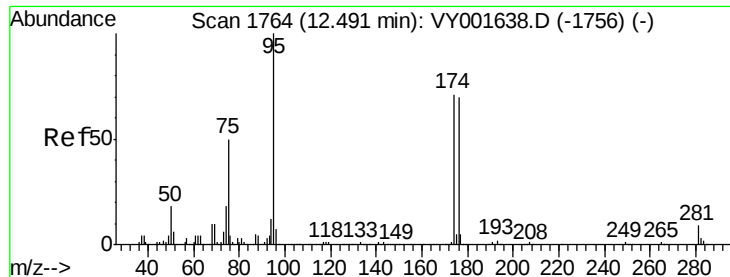
1000

500

0

Time-->

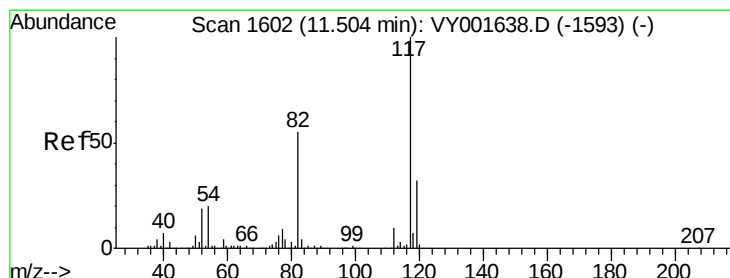
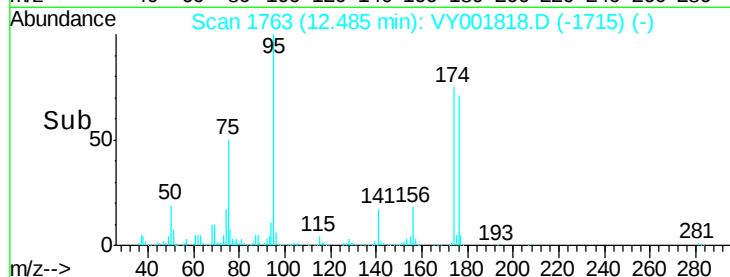
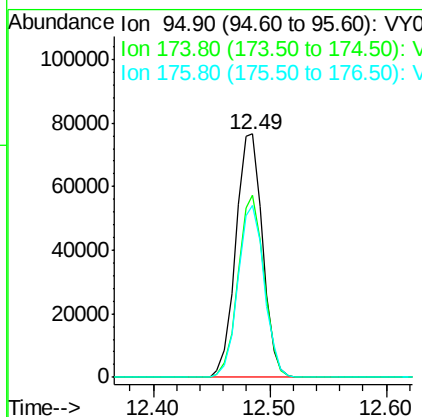
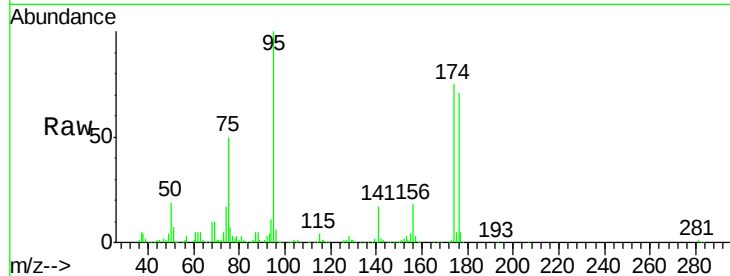




#62
4-Bromofluorobenzene
Concen: 48.41 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001818.D
Acq: 02 Mar 2020 14:20

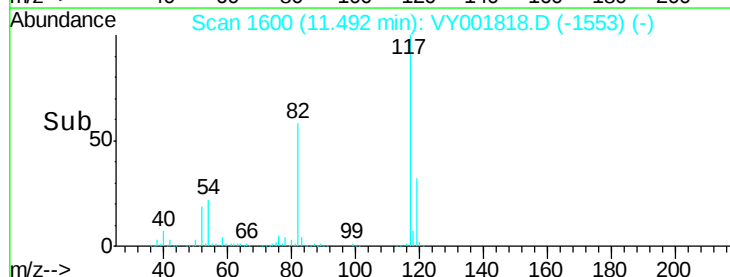
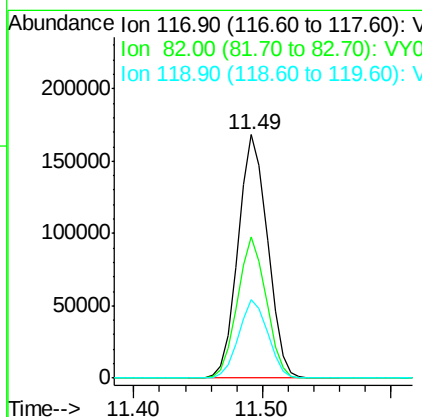
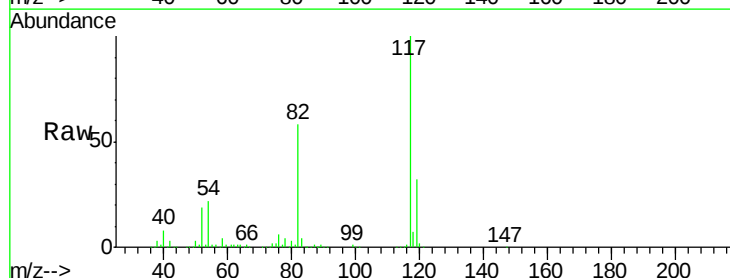
Instrument :
MSVOA_Y
ClientSampleId :
G-5

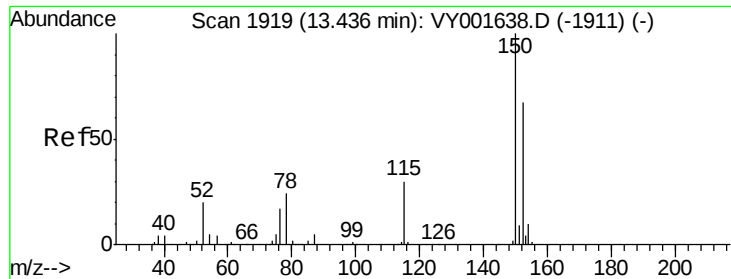
Tgt Ion: 95 Resp: 122602
Ion Ratio Lower Upper
95 100
174 72.6 0.0 138.4
176 69.5 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001818.D
Acq: 02 Mar 2020 14:20

Tgt Ion: 117 Resp: 266357
Ion Ratio Lower Upper
117 100
82 57.9 45.5 68.3
119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY001818.D

Acq: 02 Mar 2020 14:20

Instrument :

MSVOA_Y

ClientSampled :

G-5

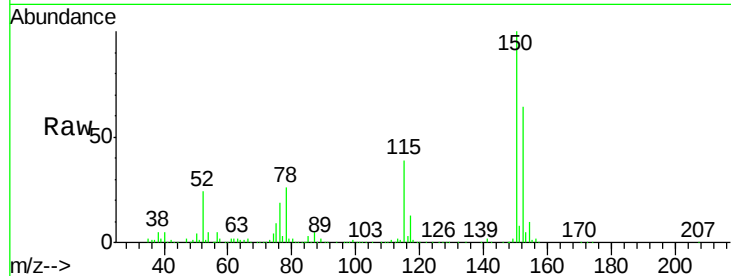
Tgt Ion:152 Resp: 117694

Ion Ratio Lower Upper

152 100

115 61.9 31.4 94.2

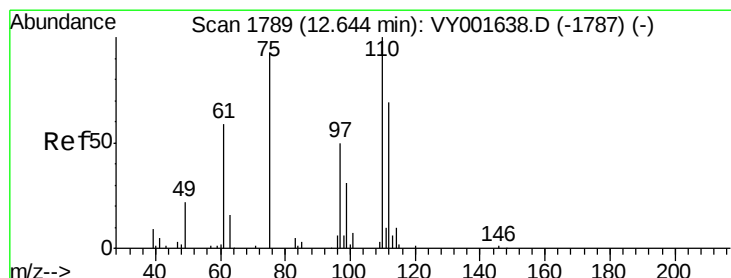
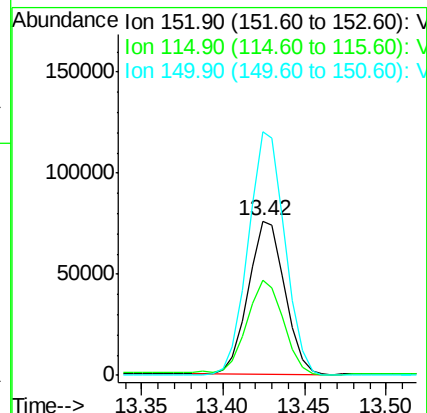
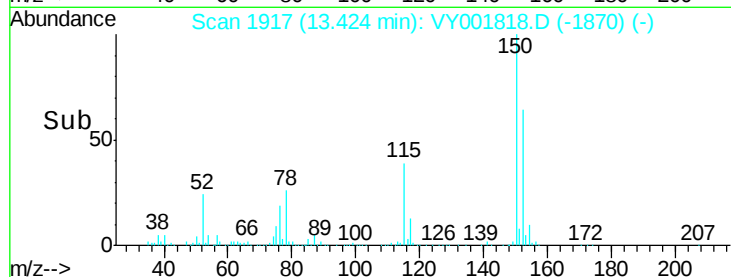
150 159.4 0.0 407.2



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: 1.44 ug/l

RT: 12.69 min Scan# 1797

Delta R.T. 0.05 min

Lab File: VY001818.D

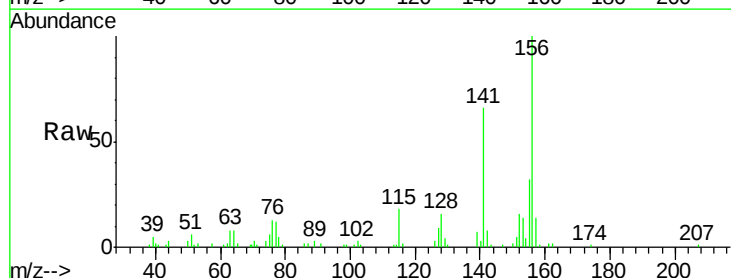
Acq: 02 Mar 2020 14:20

Tgt Ion: 75 Resp: 1946

Ion Ratio Lower Upper

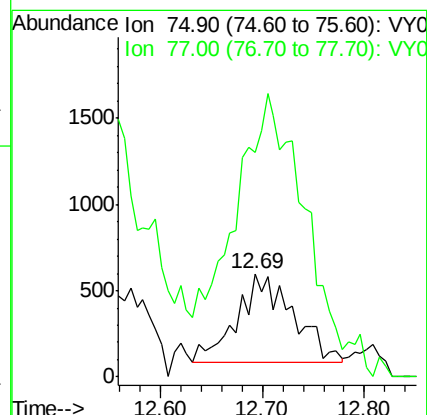
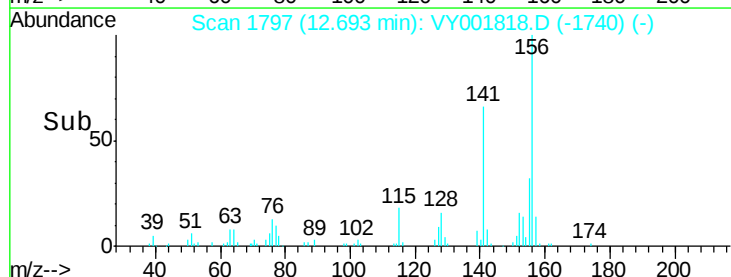
75 100

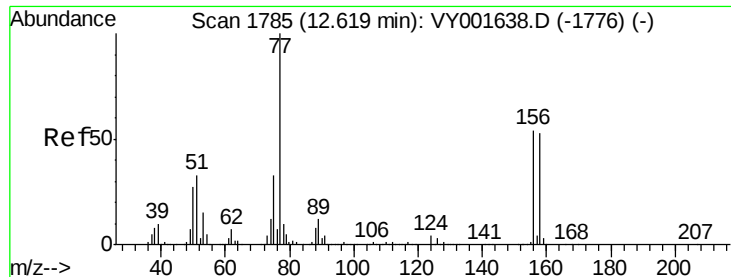
77 425.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

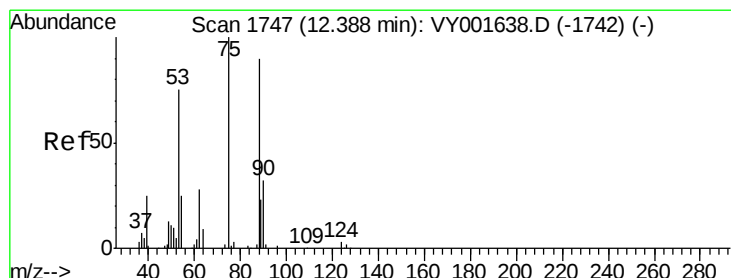
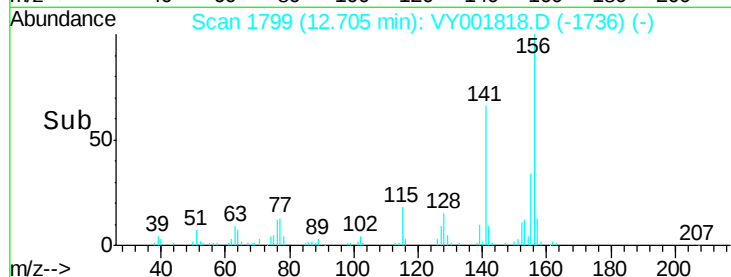
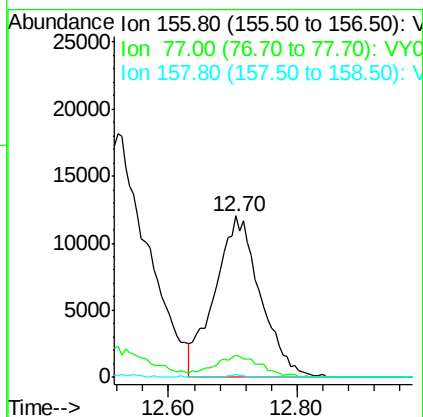
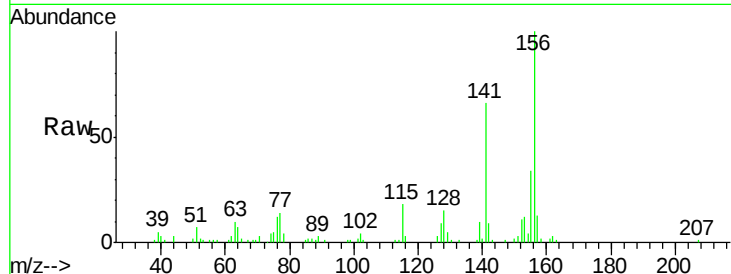




#77
Bromobenzene
Concen: 30.52 ug/l
RT: 12.70 min Scan# 1799
Delta R.T. 0.09 min
Lab File: VY001818.D
Acq: 02 Mar 2020 14:20

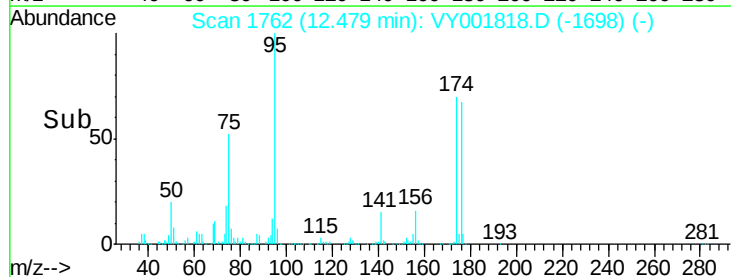
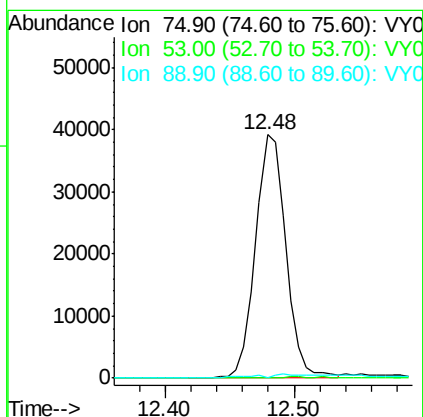
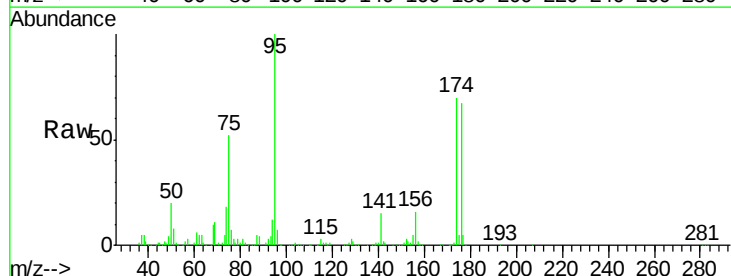
Instrument :
MSVOA_Y
ClientSampled :
G-5

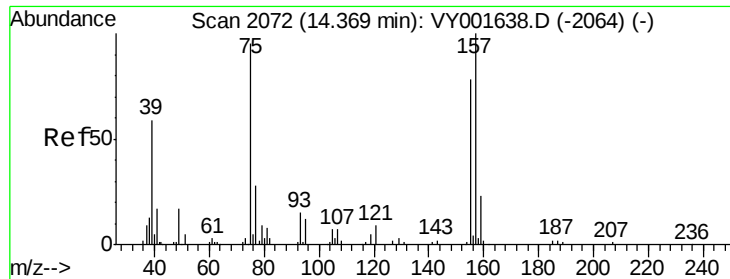
Tgt Ion: 156 Resp: 59329
Ion Ratio Lower Upper
156 100
77 13.9 110.1 330.1#
158 0.4 47.9 143.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.94 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.09 min
Lab File: VY001818.D
Acq: 02 Mar 2020 14:20

Tgt Ion: 75 Resp: 64004
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 1.1 36.3 54.5#

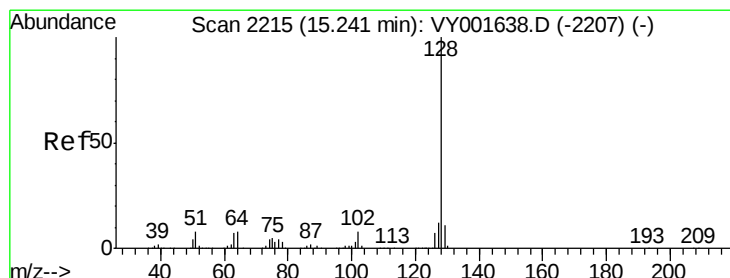
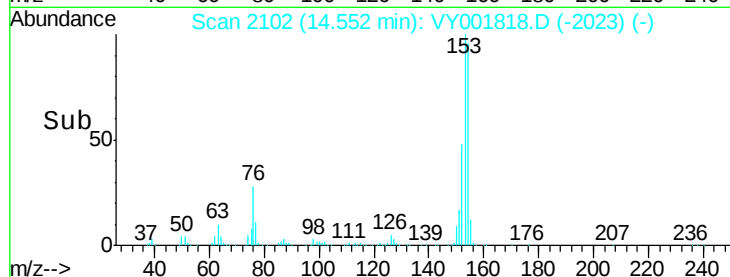
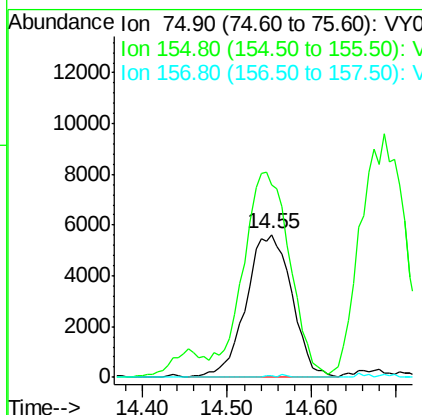
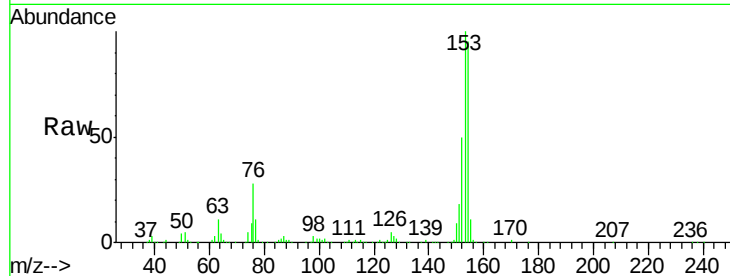




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.84 ug/l
 RT: 14.55 min Scan# 2102
 Delta R.T. 0.18 min
 Lab File: VY001818.D
 Acq: 02 Mar 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-5

Tgt Ion: 75 Resp: 20803
 Ion Ratio Lower Upper
 75 100
 155 143.5 40.8 122.4#
 157 0.6 52.1 156.4#



#95
 Naphthalene
 Concen: 9.85 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.01 min
 Lab File: VY001818.D
 Acq: 02 Mar 2020 14:20

Tgt Ion: 128 Resp: 52356
 Ion Ratio Lower Upper
 128 100
 127 13.4 9.9 14.9
 129 13.2 8.6 13.0#

