

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
 Data File : VY000602.D
 Acq On : 08 Nov 2019 00:15
 Operator : SY/MD
 Sample : K5722-06
 Misc : 6.70G/5ML/MSVOA_Y/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 5-B

Quant Time: Nov 08 09:51:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	234357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	418314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	375722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	164231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	140184	57.80	ug/l	0.00
Spiked Amount			Recovery	=	115.60%	
35) Dibromofluoromethane	7.74	113	116980	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
50) Toluene-d8	10.18	98	485141	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.48	95	165771	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

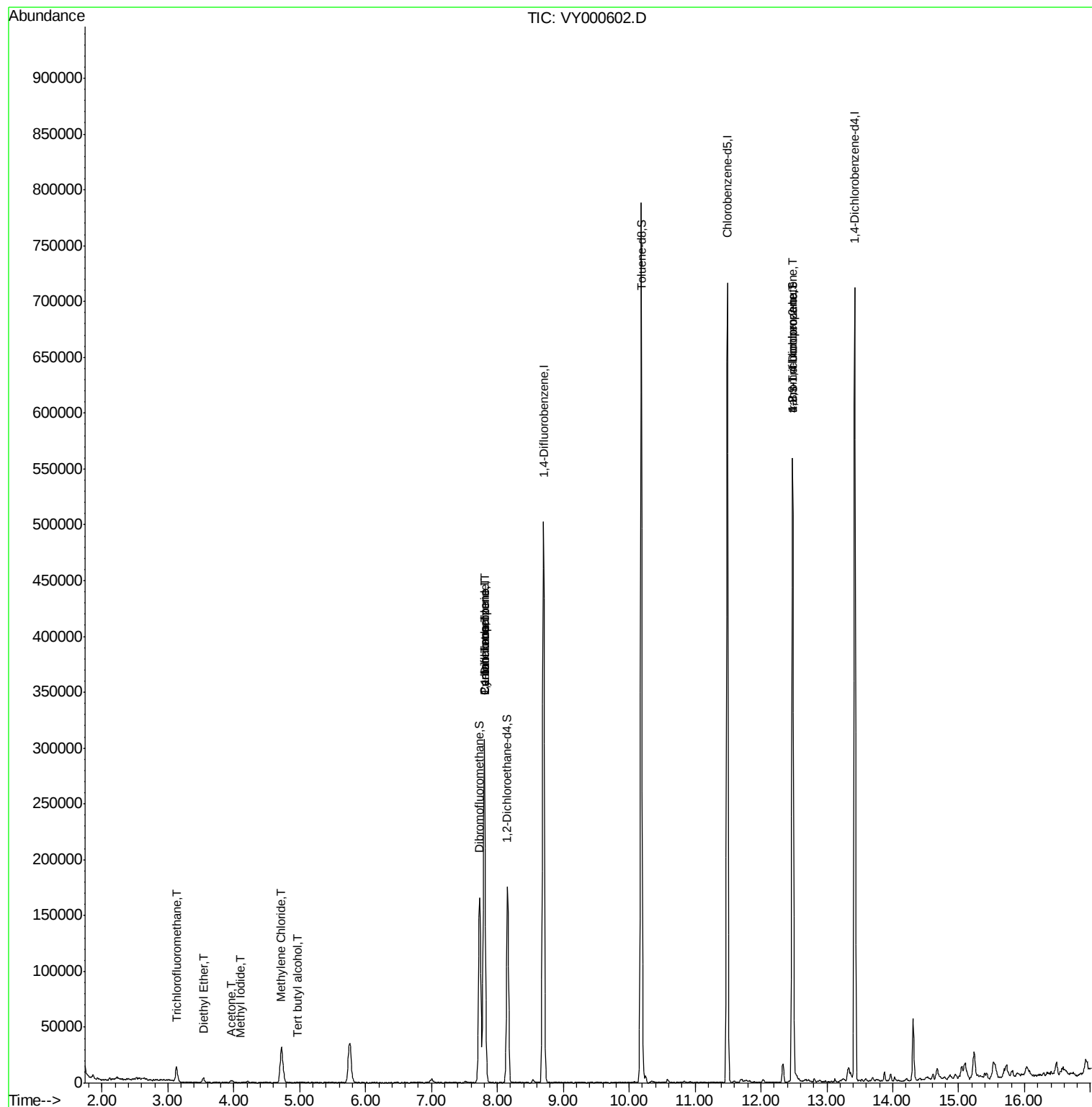
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	3.13	101	12299	3.086	ug/l	92
8) Diethyl Ether	3.54	74	2112	1.491	ug/l	72
10) Methyl Iodide	4.10	142	165	3.248	ug/l #	41
11) Tert butyl alcohol	4.97	59	500	2.118	ug/l #	92
16) Acetone	3.96	43	3684	5.511	ug/l	92
20) Methylene Chloride	4.72	84	22894	7.993	ug/l	96
31) Cyclohexane	7.80	56	5751	1.225	ug/l #	29
36) 1,1-Dichloropropene	7.80	75	19691	4.979	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23286	6.120	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	90579	48.438	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	90579	108.605	ug/l #	13

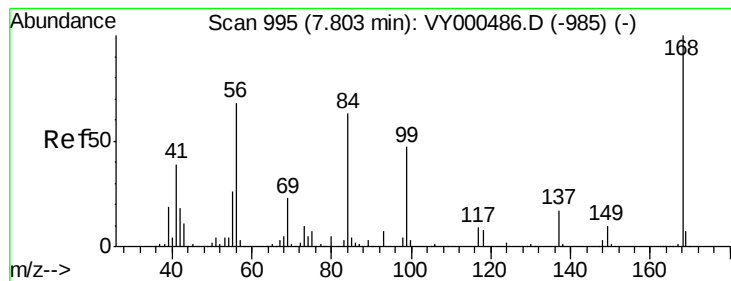
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000602.D

Acq: 08 Nov 2019 00:15

Instrument :

MSVOA_Y

ClientSampleId :

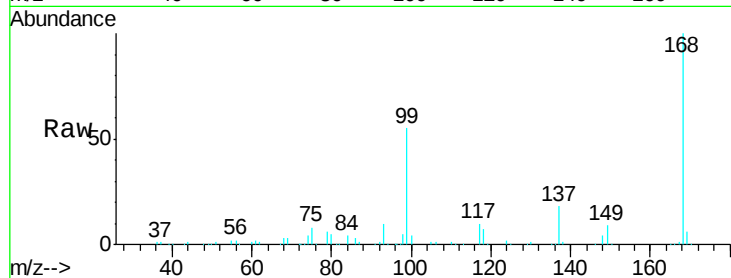
5-B

Tgt Ion:168 Resp: 234357

Ion Ratio Lower Upper

168 100

99 55.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

120000

100000

80000

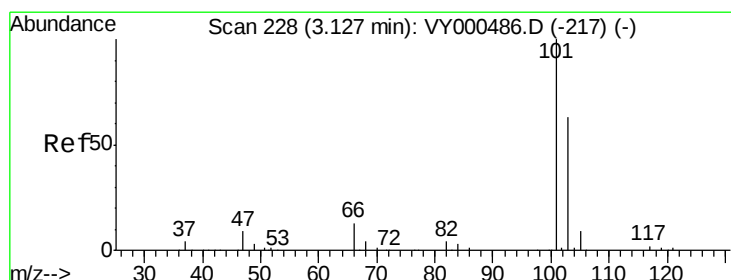
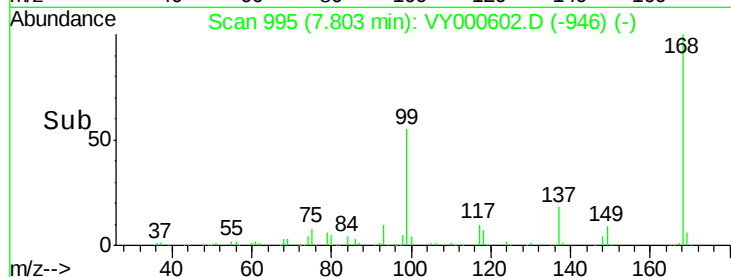
60000

40000

20000

0

Time-->



#7

Trichlorofluoromethane

Concen: 3.086 ug/l

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY000602.D

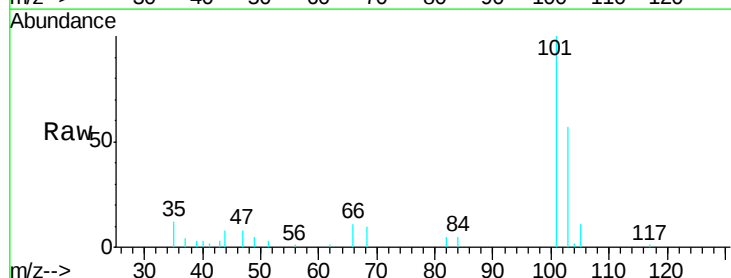
Acq: 08 Nov 2019 00:15

Tgt Ion:101 Resp: 12299

Ion Ratio Lower Upper

101 100

103 56.8 50.5 75.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.13

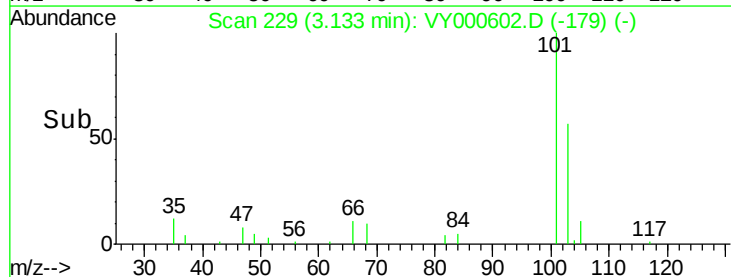
6000

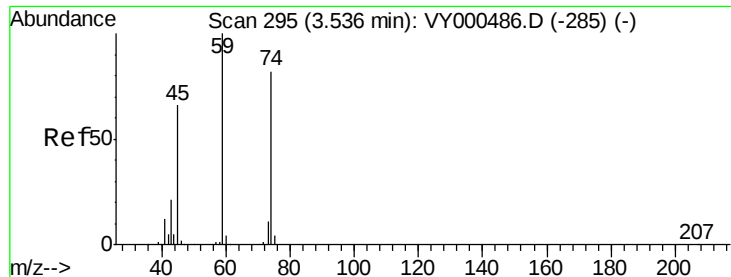
4000

2000

0

Time-->





#8

Diethyl Ether

Concen: 1.491 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY000602.D

Acq: 08 Nov 2019 00:15

Instrument :

MSVOA_Y

ClientSampled :

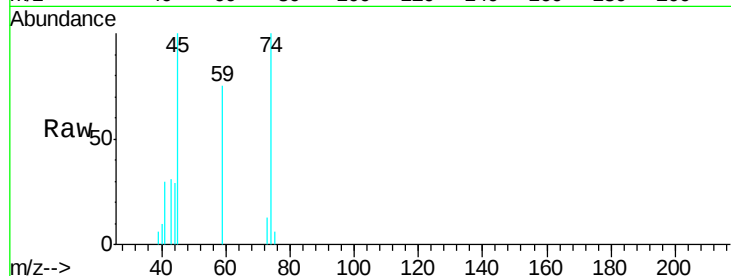
5-B

Tgt Ion: 74 Resp: 2112

Ion Ratio Lower Upper

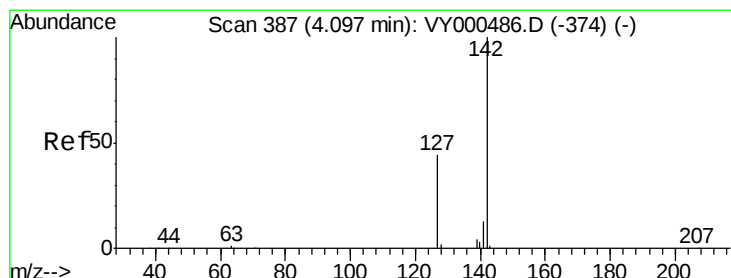
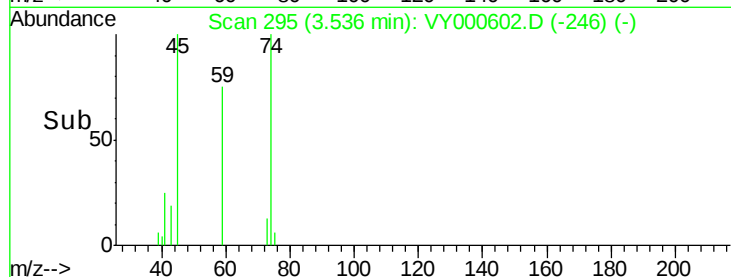
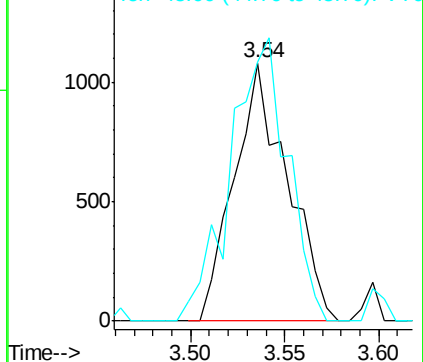
74 100

45 117.3 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0



#10

Methyl Iodide

Concen: 3.248 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000602.D

Acq: 08 Nov 2019 00:15

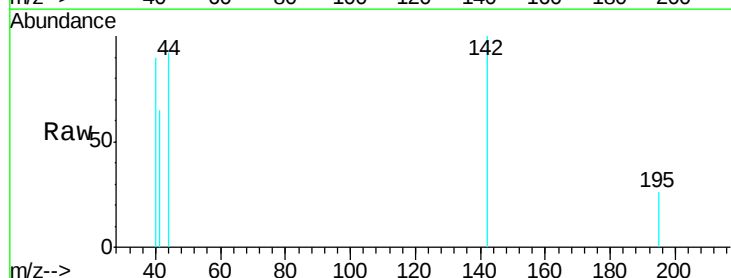
Tgt Ion: 142 Resp: 165

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

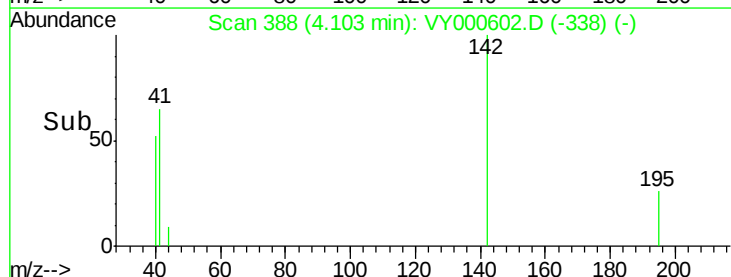
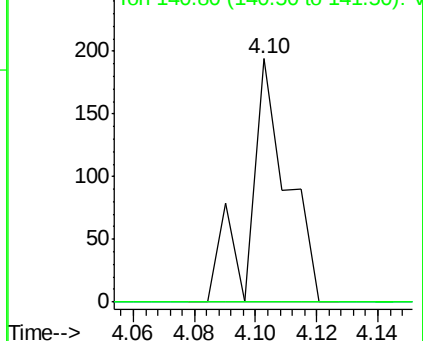
141 0.0 10.9 16.3#

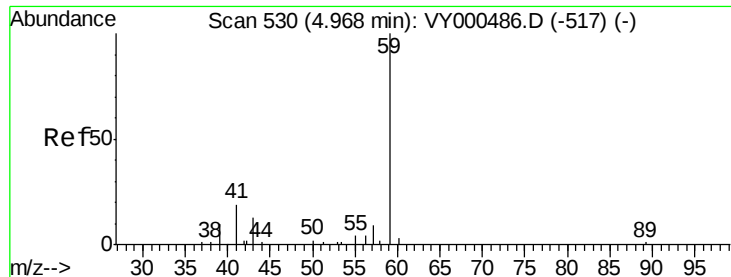


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

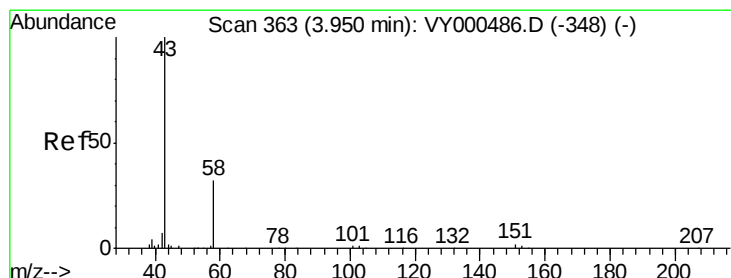
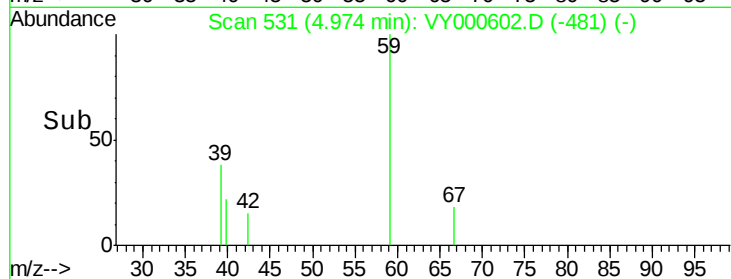
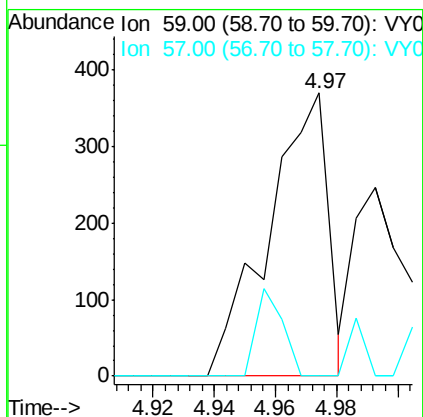
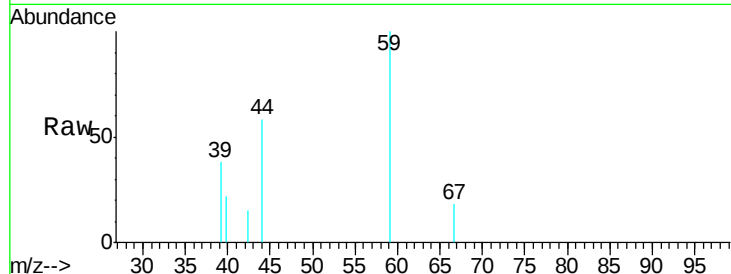




#11
Tert butyl alcohol
Concen: 2.118 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY000602.D
Acq: 08 Nov 2019 00:15

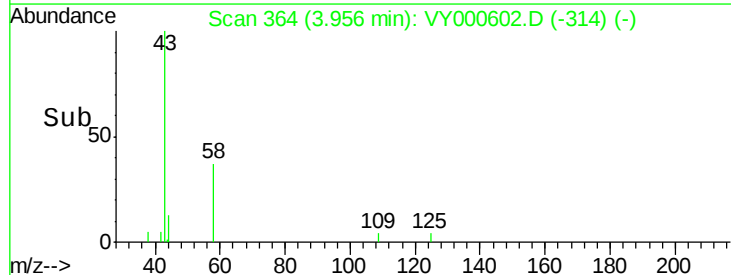
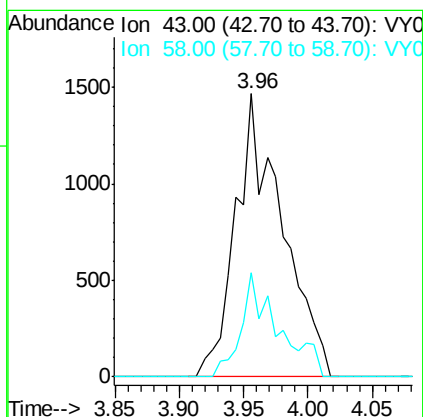
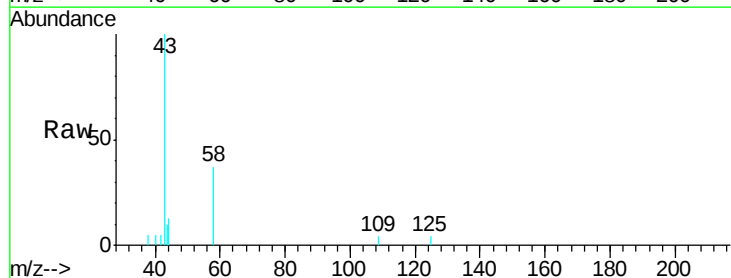
Instrument :
MSVOA_Y
ClientSampled :
5-B

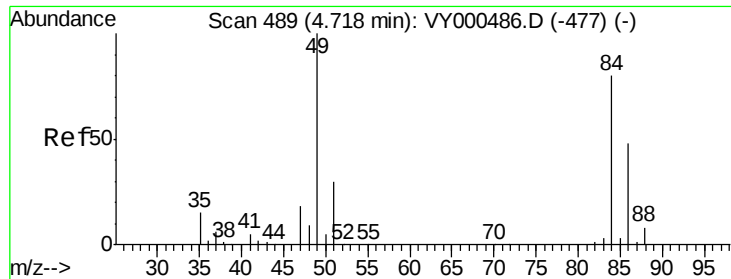
Tgt Ion: 59 Resp: 500
Ion Ratio Lower Upper
59 100
57 13.8 8.6 12.8#



#16
Acetone
Concen: 5.511 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000602.D
Acq: 08 Nov 2019 00:15

Tgt Ion: 43 Resp: 3684
Ion Ratio Lower Upper
43 100
58 36.8 25.8 38.6

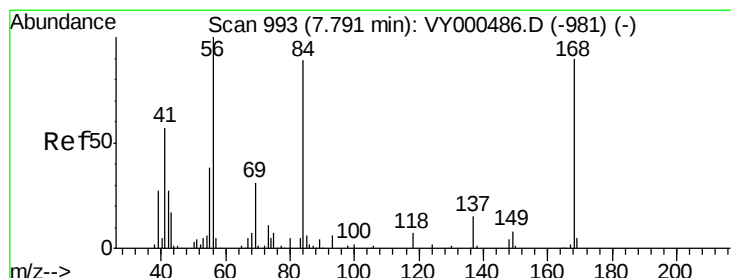
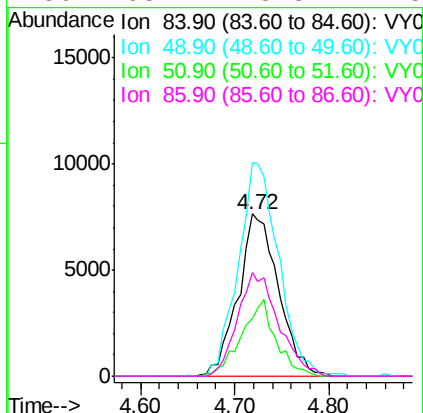
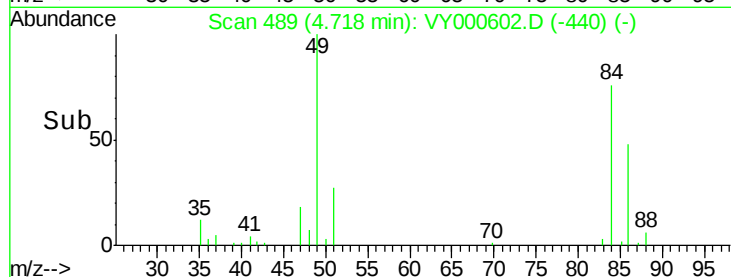
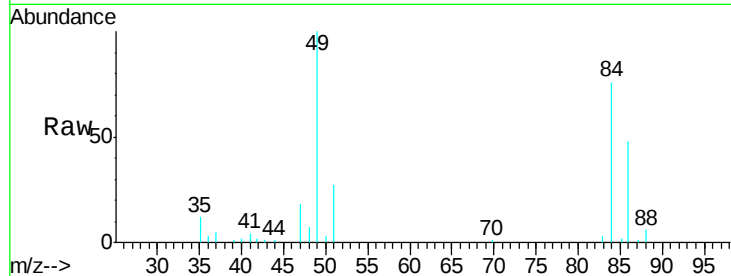




#20
Methylene Chloride
Concen: 7.993 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000602.D
Acq: 08 Nov 2019 00:15

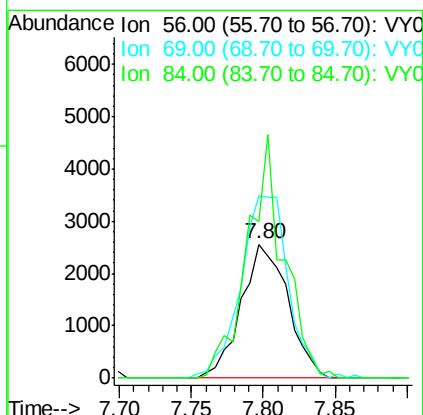
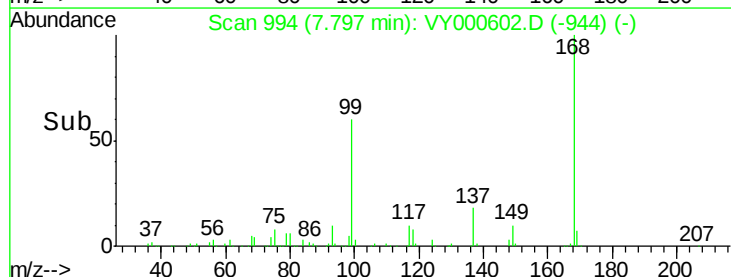
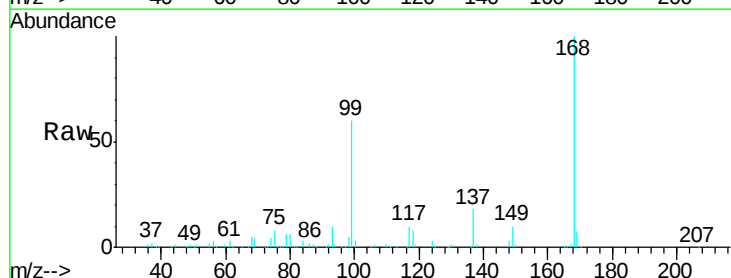
Instrument :
MSVOA_Y
ClientSampleId :
5-B

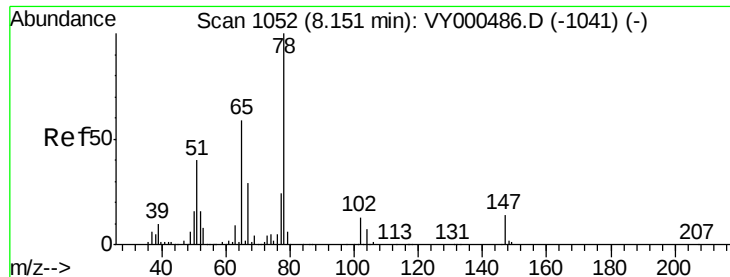
Tgt Ion: 84 Resp: 22894
Ion Ratio Lower Upper
84 100
49 130.7 100.2 150.4
51 35.4 29.6 44.4
86 63.7 48.3 72.5



#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000602.D
Acq: 08 Nov 2019 00:15

Tgt Ion: 56 Resp: 5751
Ion Ratio Lower Upper
56 100
69 136.0 25.0 37.6#
84 116.5 71.4 107.2#

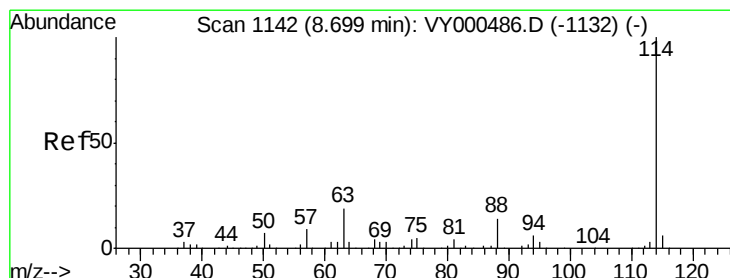
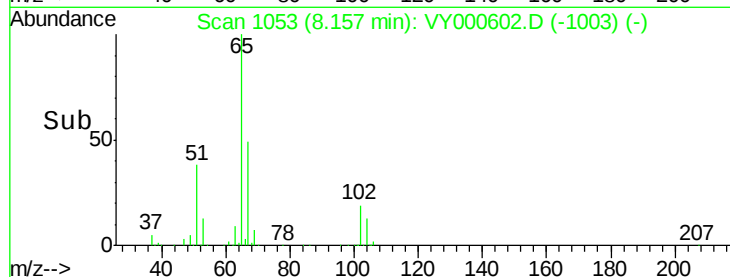
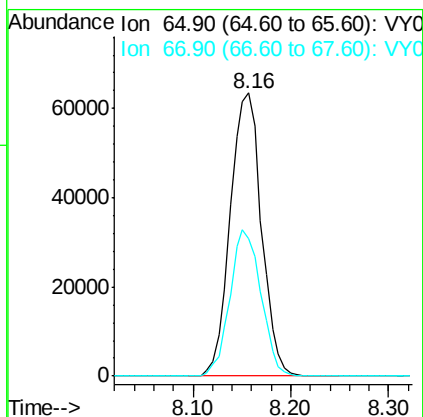
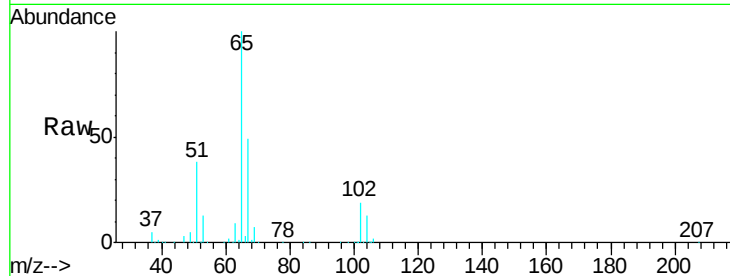




#33
 1,2-Dichloroethane-d4
 Concen: 57.801 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000602.D
 Acq: 08 Nov 2019 00:15

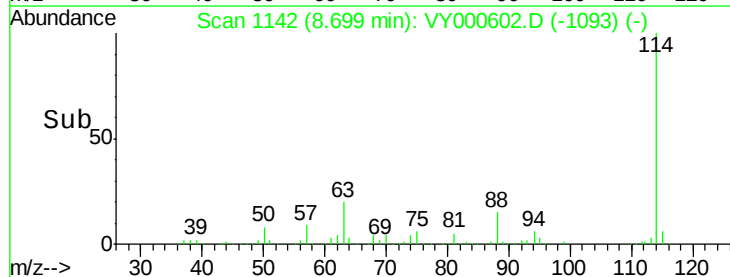
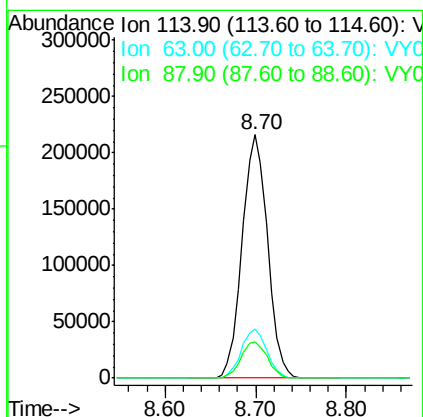
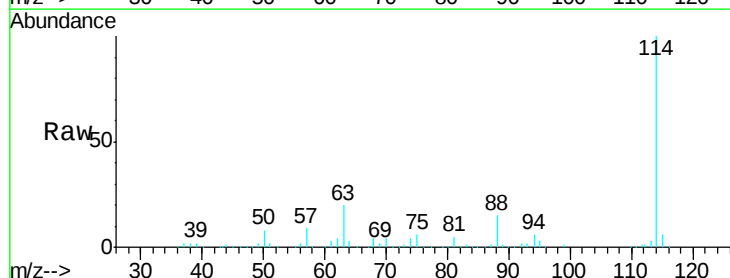
Instrument :
 MSVOA_Y
 ClientSampleId :
 5-B

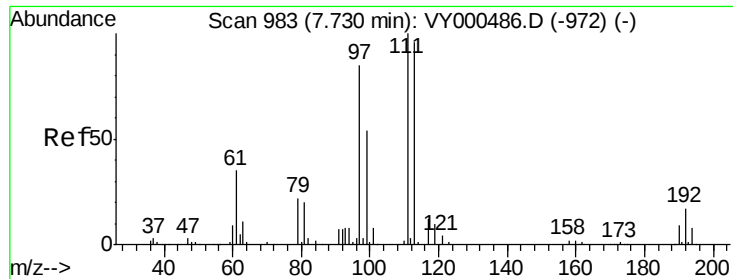
Tgt Ion: 65 Resp: 140184
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000602.D
 Acq: 08 Nov 2019 00:15

Tgt Ion: 114 Resp: 418314
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.0
 88 15.0 0.0 28.6

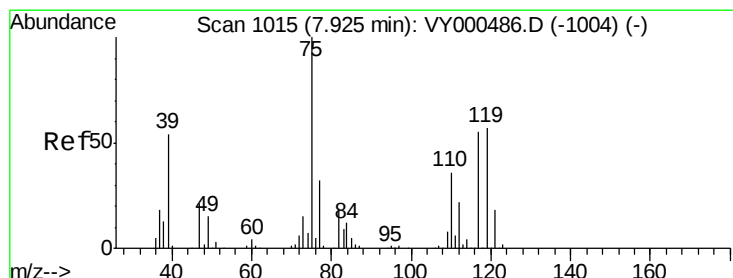
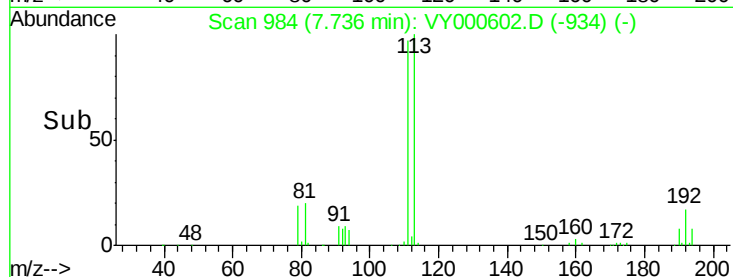
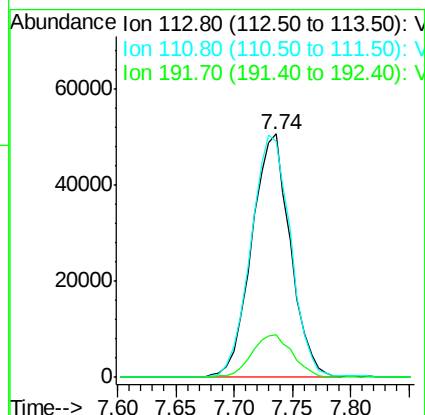
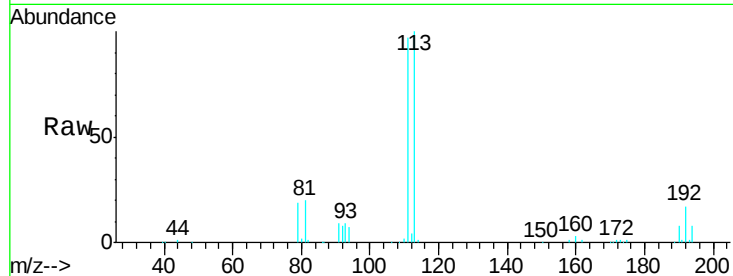




#35
Dibromofluoromethane
Concen: 47.635 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY000602.D
Acq: 08 Nov 2019 00:15

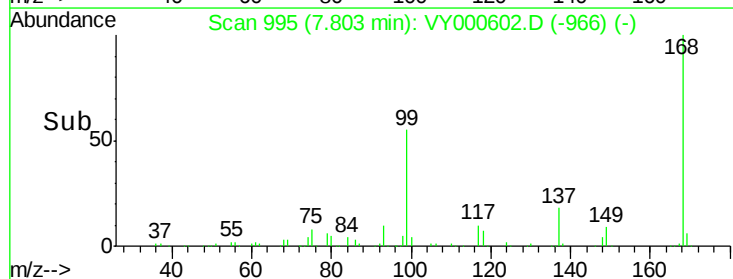
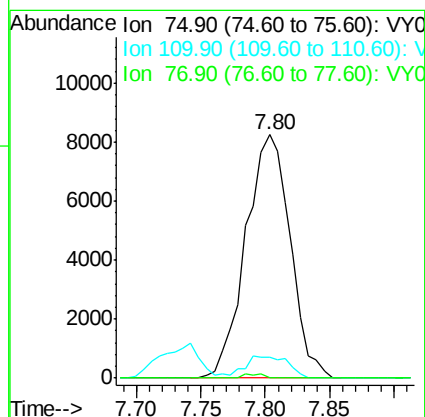
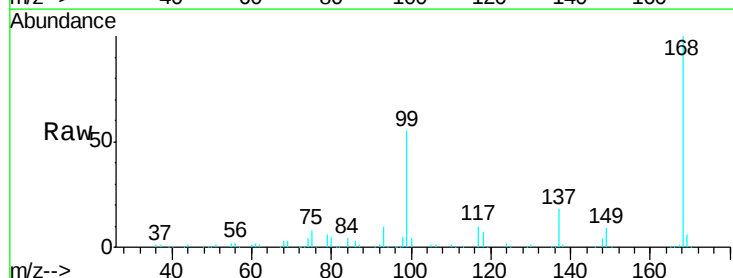
Instrument :
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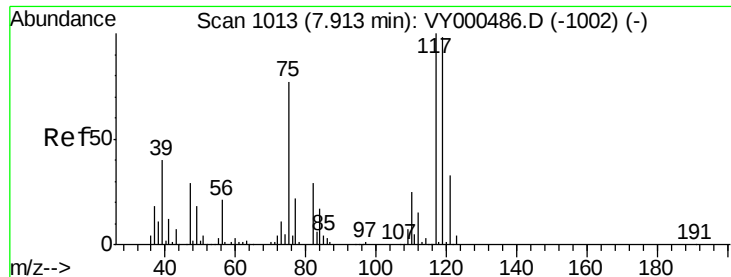
Tgt Ion:113 Resp: 116980
Ion Ratio Lower Upper
113 100
111 102.4 81.7 122.5
192 18.5 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY000602.D
Acq: 08 Nov 2019 00:15

Tgt Ion: 75 Resp: 19691
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.1#
77 0.7 25.0 37.6#

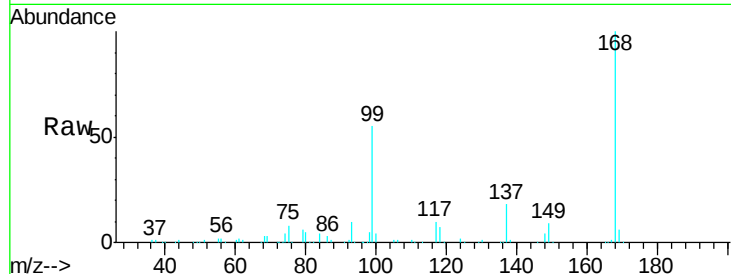




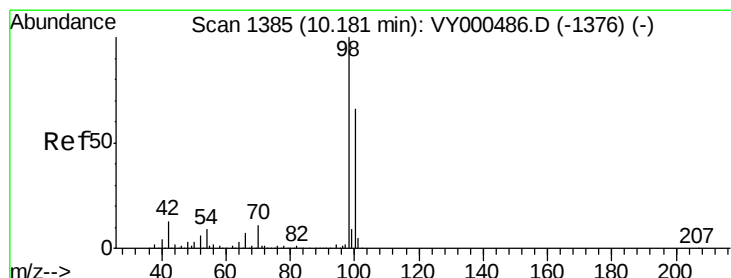
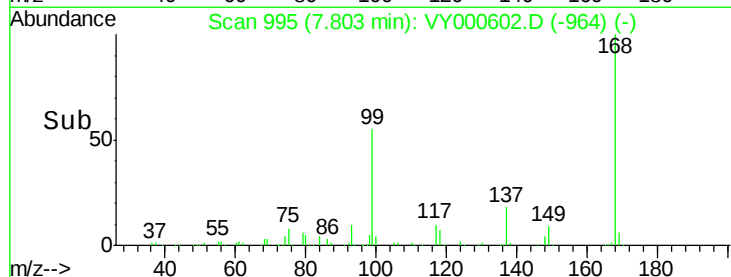
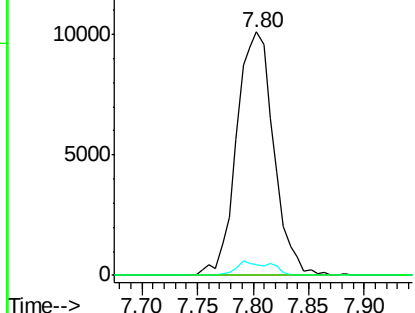
#38
Carbon Tetrachloride
Concen: 6.120 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000602.D
Acq: 08 Nov 2019 00:15

Instrument :
MSVOA_Y
ClientSampled :
5-B

Tgt Ion:117 Resp: 23286
Ion Ratio Lower Upper
117 100
119 4.5 78.0 117.0#
121 0.0 26.6 40.0#

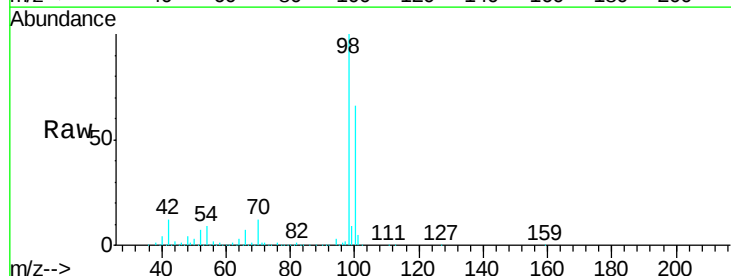


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

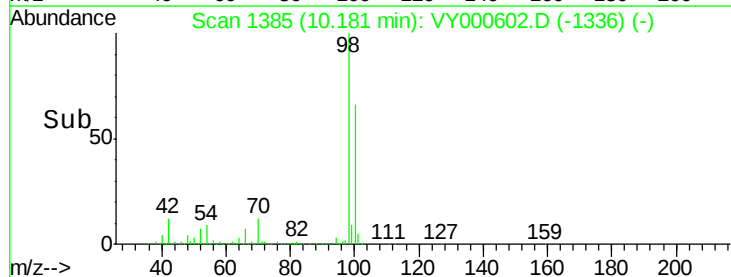
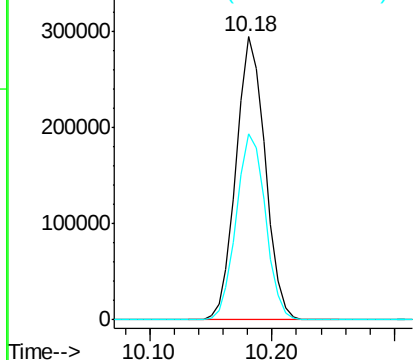


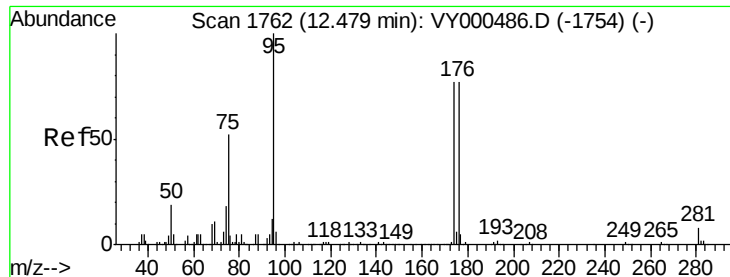
#50
Toluene-d8
Concen: 52.063 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000602.D
Acq: 08 Nov 2019 00:15

Tgt Ion: 98 Resp: 485141
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 46.730 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000602.D

Acq: 08 Nov 2019 00:15

Instrument :

MSVOA_Y

ClientSampled :

5-B

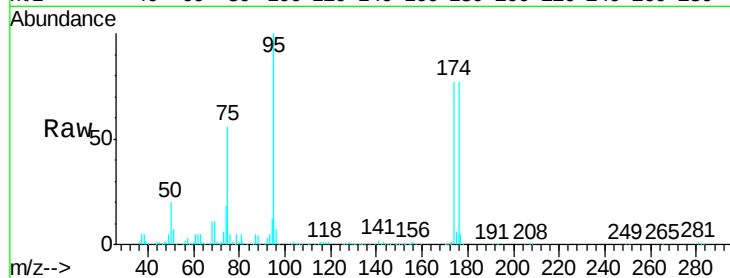
Tgt Ion: 95 Resp: 165771

Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.6

176 77.7 0.0 157.8

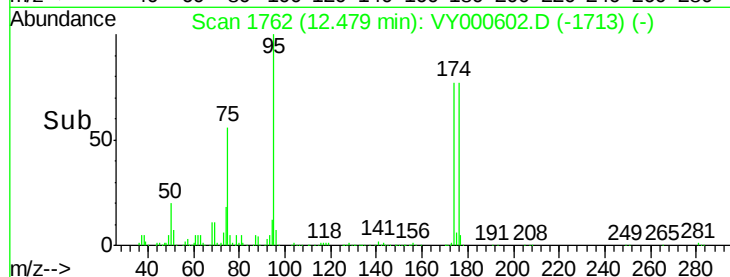


Abundance Ion 94.90 (94.60 to 95.60): VY000486.D (-1754) (-)

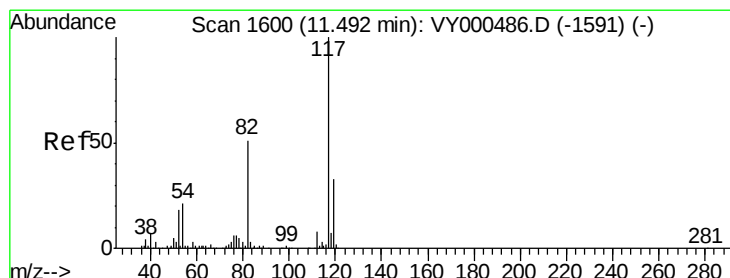
Ion 173.80 (173.50 to 174.50): VY000486.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000486.D (-1754) (-)

12.48



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000602.D

Acq: 08 Nov 2019 00:15

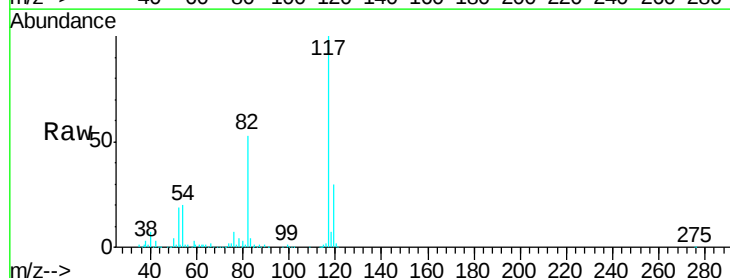
Tgt Ion: 117 Resp: 375722

Ion Ratio Lower Upper

117 100

82 53.4 40.8 61.2

119 30.4 26.2 39.2

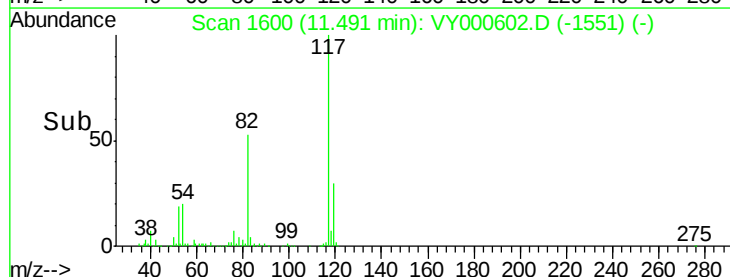


Abundance Ion 116.90 (116.60 to 117.60): VY000486.D (-1591) (-)

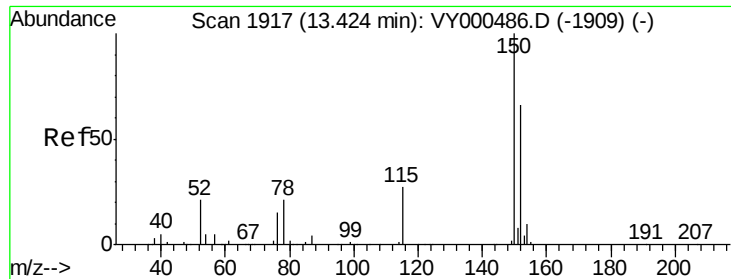
Ion 82.00 (81.70 to 82.70): VY000486.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY000486.D (-1591) (-)

11.49



Time-->

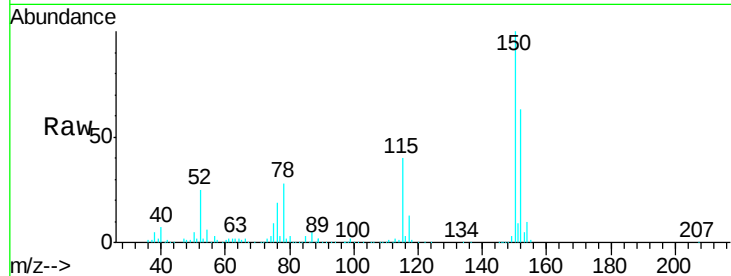


#72

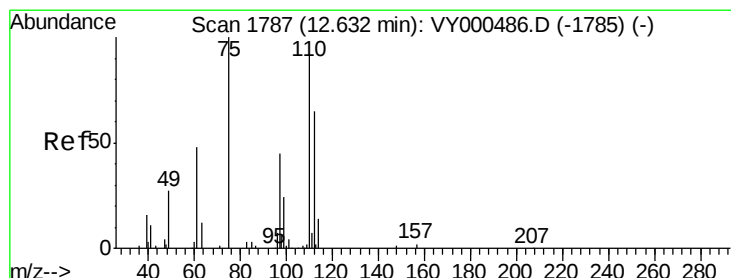
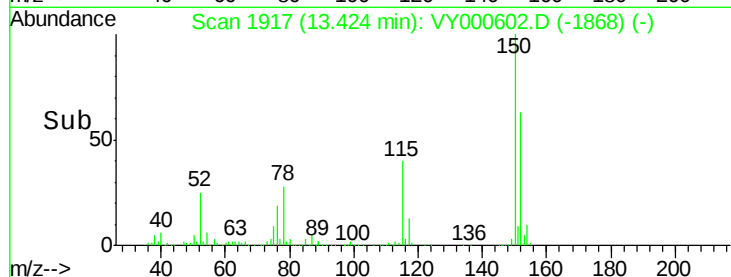
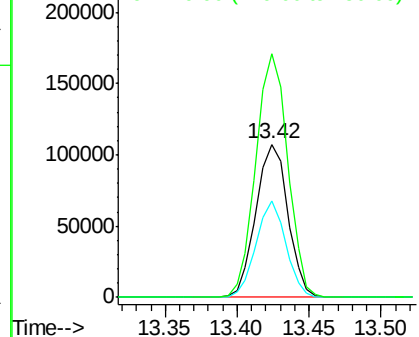
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000602.D
Acq: 08 Nov 2019 00:15

Instrument :
MSVOA_Y
ClientSampled :
5-B

Tgt Ion:152 Resp: 164231
Ion Ratio Lower Upper
152 100
115 58.9 29.1 87.4
150 158.7 0.0 348.8



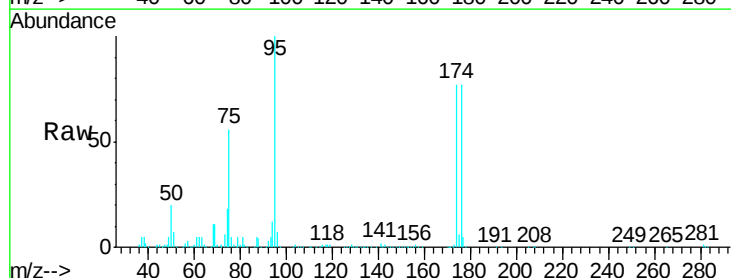
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



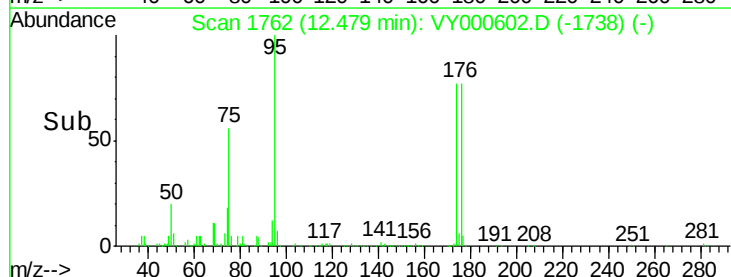
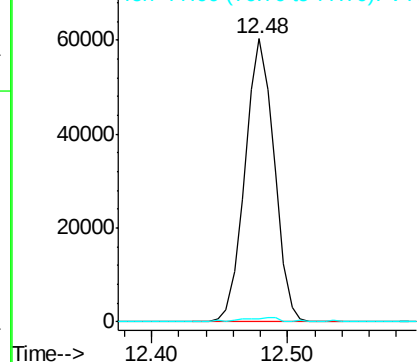
#76

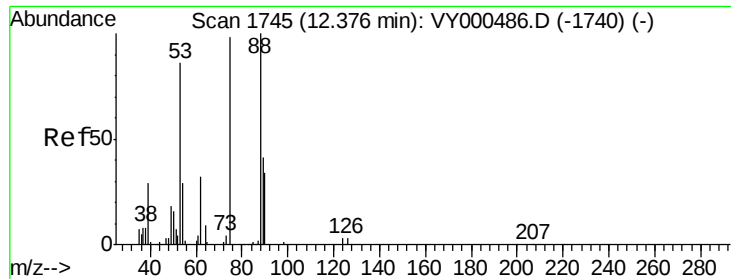
1,2,3-Trichloropropane
Concen: 48.438 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000602.D
Acq: 08 Nov 2019 00:15

Tgt Ion: 75 Resp: 90579
Ion Ratio Lower Upper
75 100
77 2.1 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: 108.605 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000602.D

Acq: 08 Nov 2019 00:15

Instrument :

MSVOA_Y

ClientSampleId :

5-B

Tgt Ion: 75 Resp: 90579

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.4 35.9 53.9#

