

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000610.D
 Acq On : 08 Nov 2019 12:36
 Operator : SY/MD
 Sample : K5722-09
 Misc : 7.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 6-B

Quant Time: Nov 11 04:43:26 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	226187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	412256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	368137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	154033	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	137849	58.89	ug/l	0.00
Spiked Amount			Recovery	=	117.78%	
35) Dibromofluoromethane	7.73	113	121248	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.19	98	482799	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.48	95	162459	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	

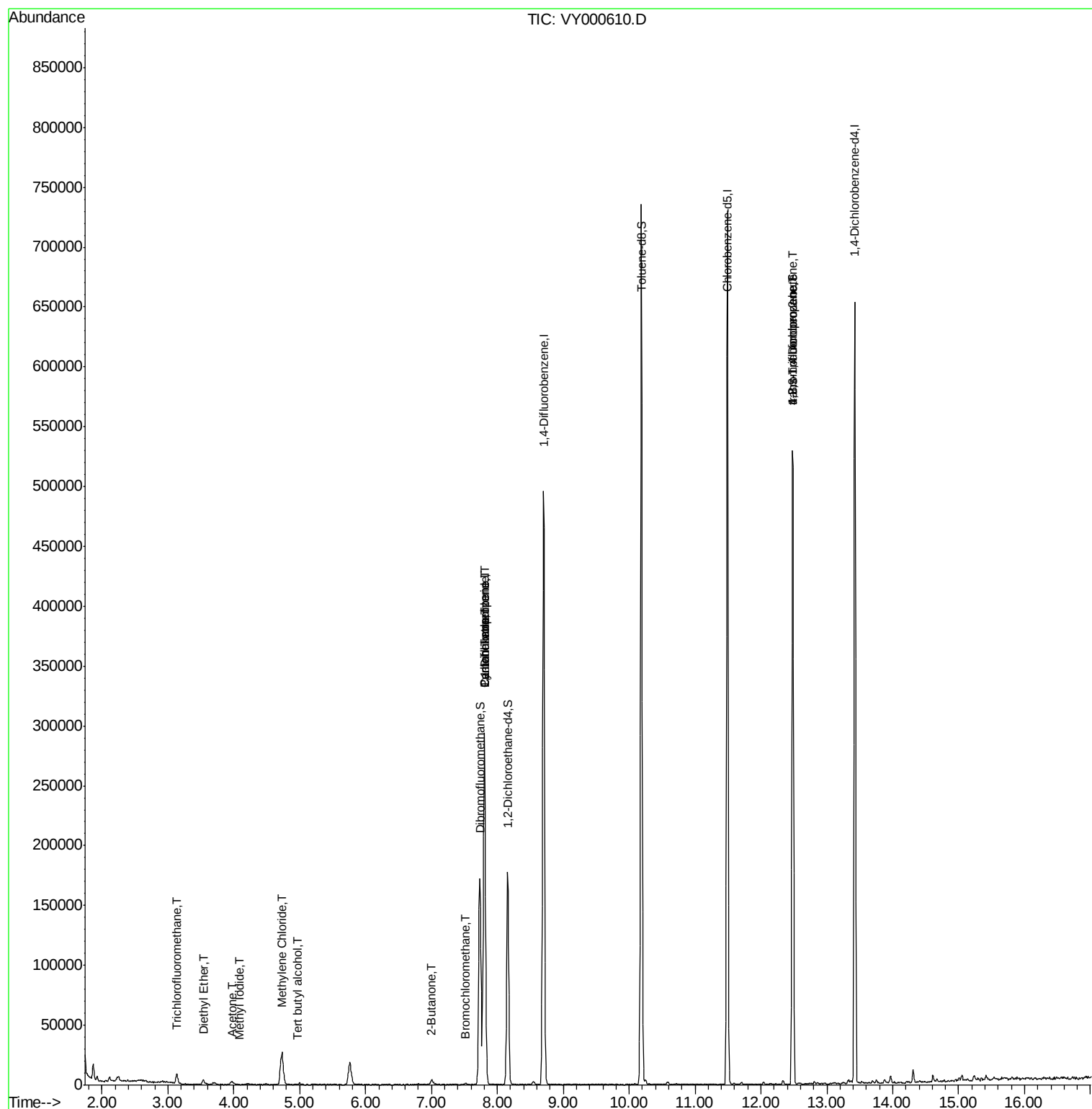
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	3.13	101	8298	2.157	ug/l	99
8) Diethyl Ether	3.54	74	2229	1.631	ug/l	74
10) Methyl Iodide	4.09	142	470	3.343	ug/l #	41
11) Tert butyl alcohol	4.97	59	384	1.685	ug/l #	72
16) Acetone	3.97	43	5319	8.245	ug/l	93
20) Methylene Chloride	4.73	84	20117	7.277	ug/l	91
25) 2-Butanone	7.00	43	1214	1.179	ug/l #	83
28) Bromochloromethane	7.52	49	33	4.108	ug/l #	14
31) Cyclohexane	7.80	56	5562	1.228	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	18541	4.757	ug/l #	49
38) Carbon Tetrachloride	7.80	117	22470	5.992	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	88415	50.411	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88415	113.029	ug/l #	13

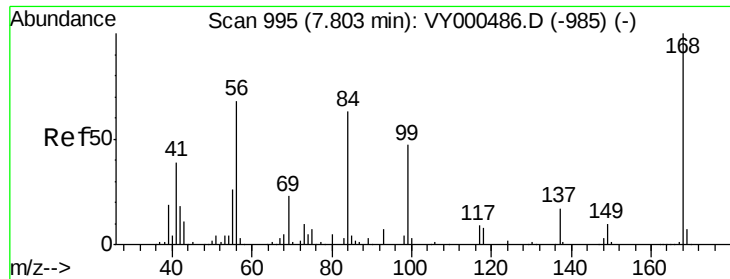
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

Instrument :

MSVOA_Y

ClientSampled :

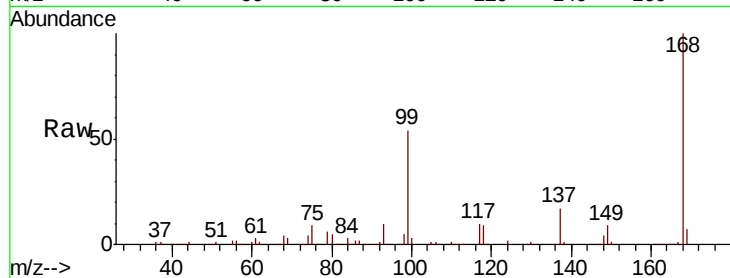
6-B

Tot Ion:168 Resp: 226187

Ion Ratio Lower Upper

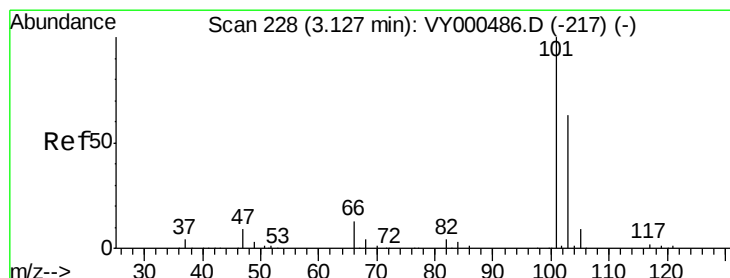
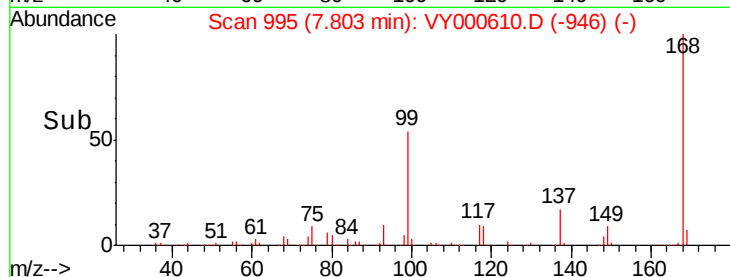
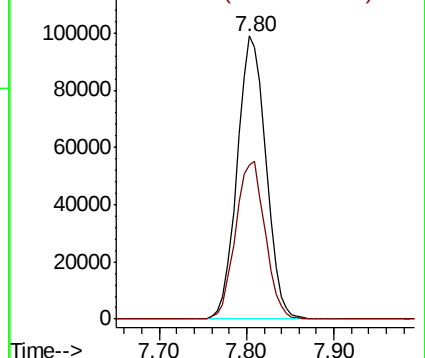
168 100

99 54.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#7

Trichlorofluoromethane

Concen: 2.157 ug/l

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY000610.D

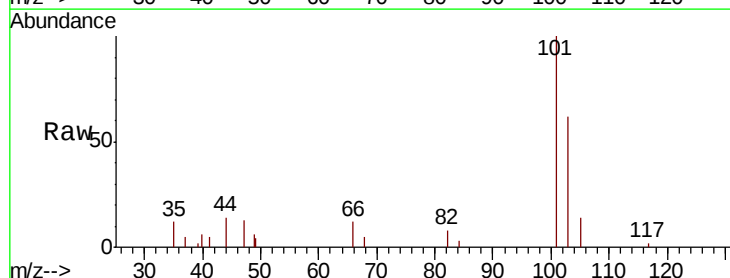
Acq: 08 Nov 2019 12:36

Tgt Ion:101 Resp: 8298

Ion Ratio Lower Upper

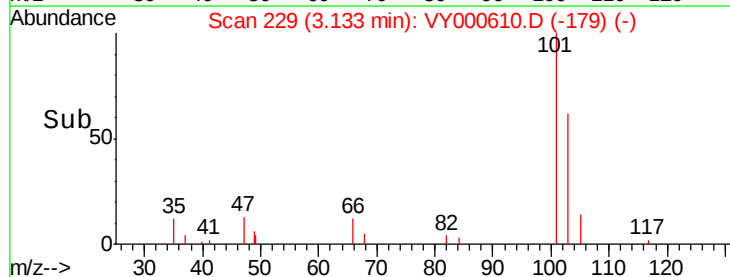
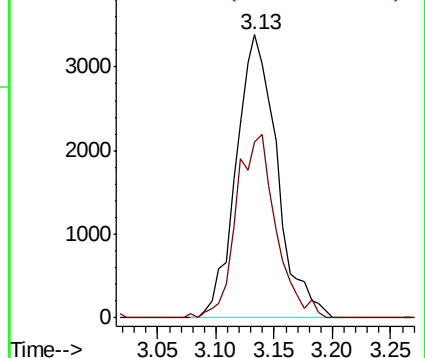
101 100

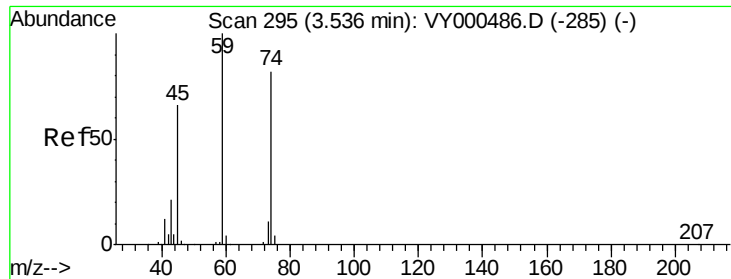
103 62.2 50.5 75.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 1.631 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

Instrument :

MSVOA_Y

ClientSampleId :

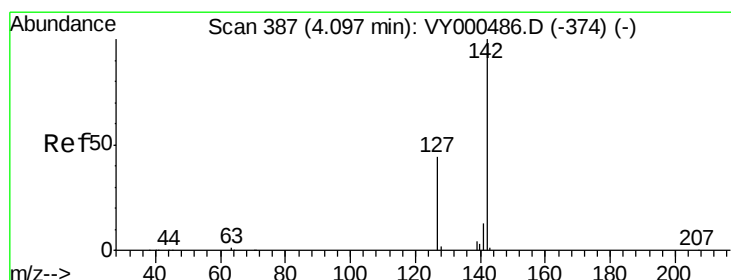
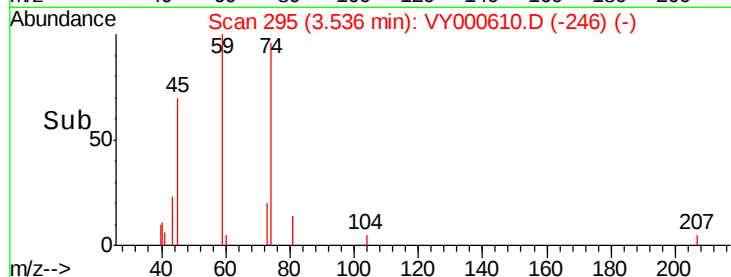
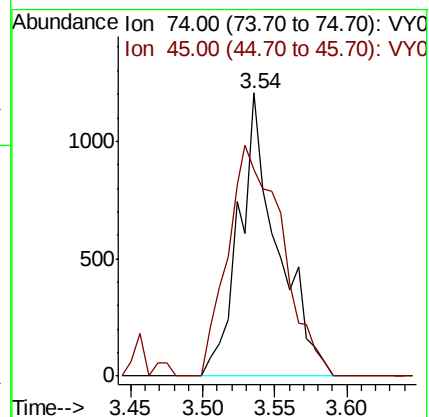
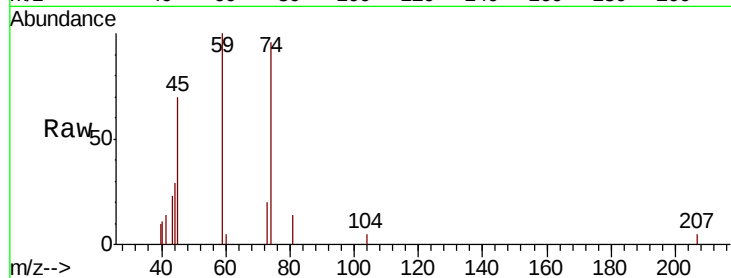
6-B

Tot Ion: 74 Resp: 2229

Ion Ratio Lower Upper

74 100

45 115.9 45.5 136.4



#10

Methyl Iodide

Concen: 3.343 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

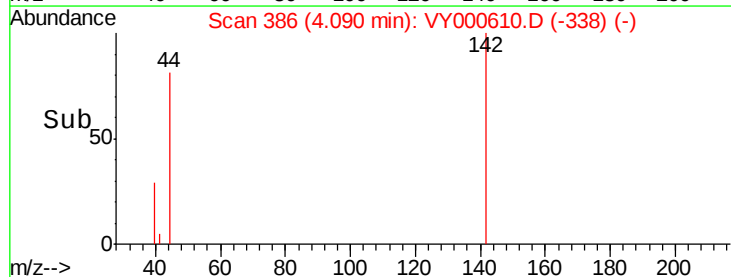
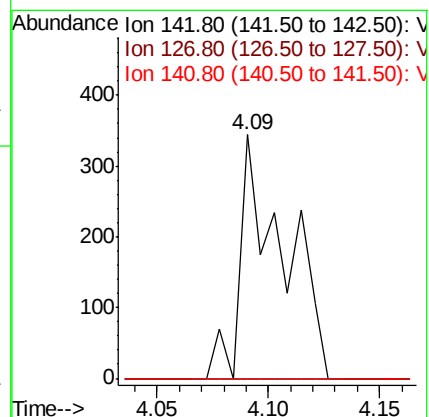
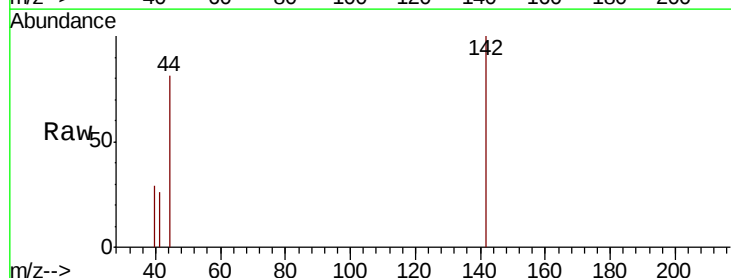
Tgt Ion: 142 Resp: 470

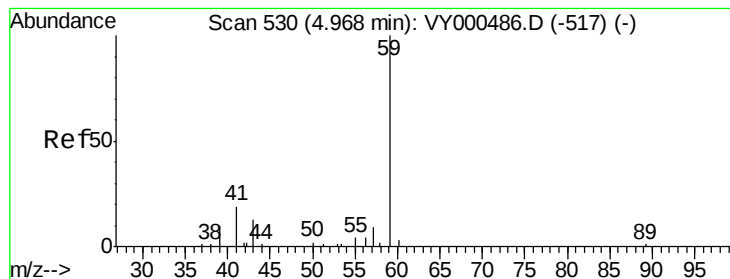
Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

141 0.0 10.9 16.3#





#11

Tert butyl alcohol

Concen: 1.685 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

Instrument :

MSVOA_Y

ClientSampled :

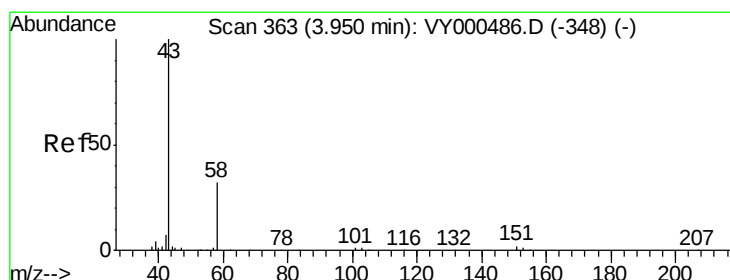
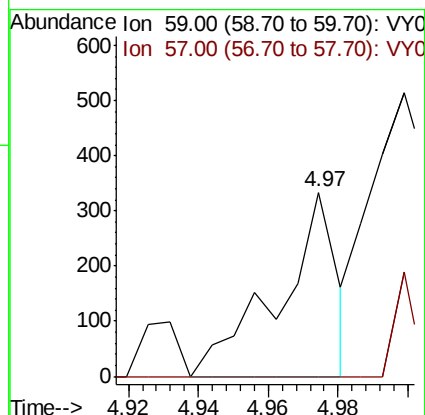
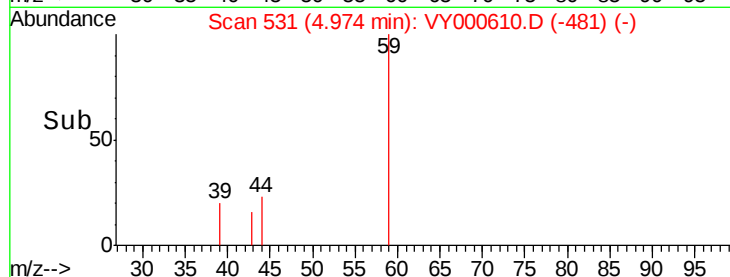
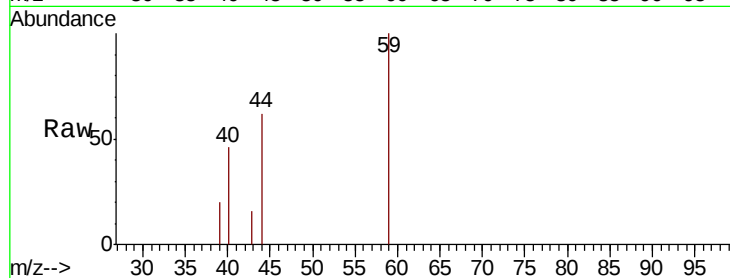
6-B

Tot Ion: 59 Resp: 384

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#16

Acetone

Concen: 8.245 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY000610.D

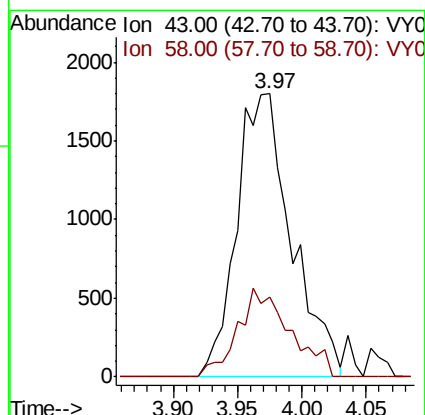
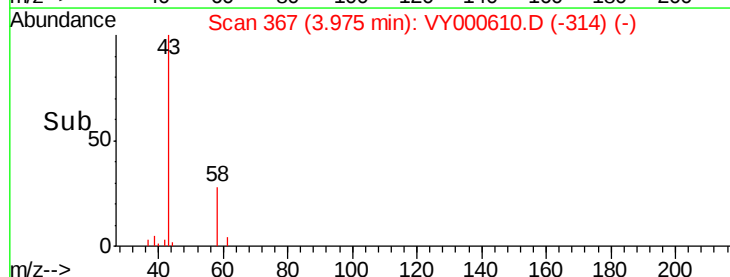
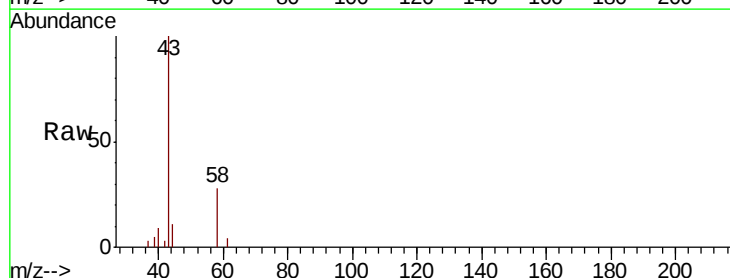
Acq: 08 Nov 2019 12:36

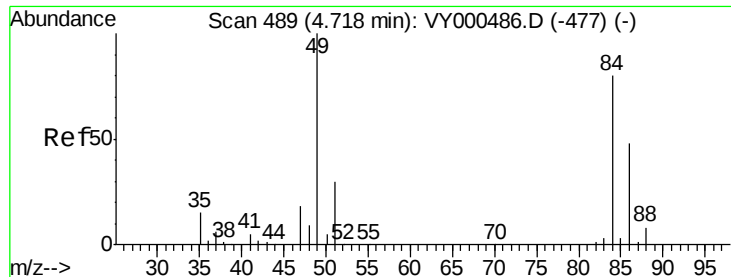
Tgt Ion: 43 Resp: 5319

Ion Ratio Lower Upper

43 100

58 28.2 25.8 38.6

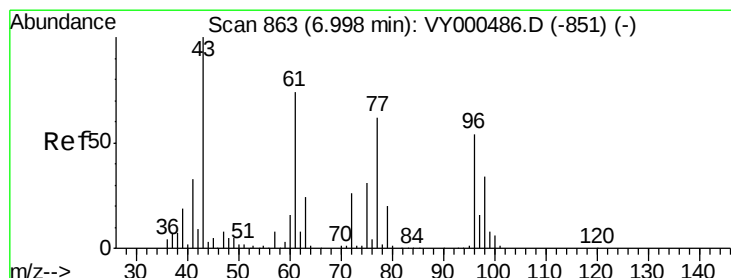
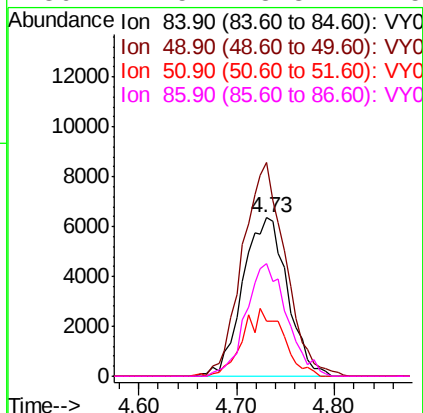
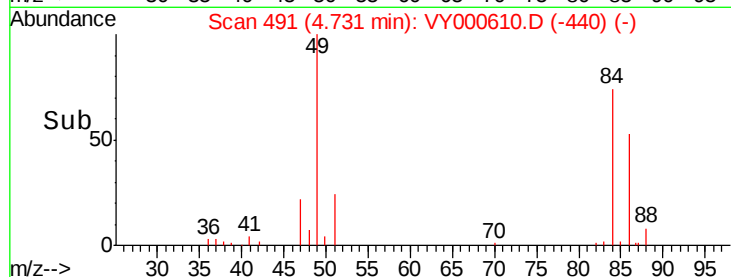
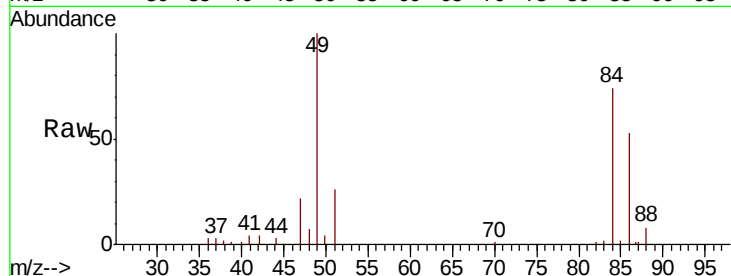




#20
Methvlene Chloride
Concen: 7.277 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000610.D
Acq: 08 Nov 2019 12:36

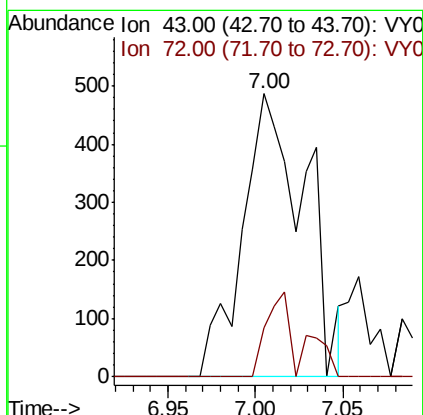
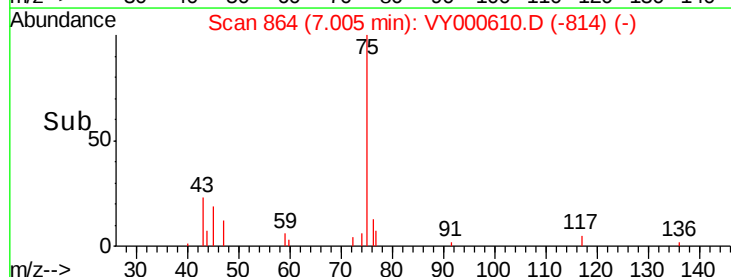
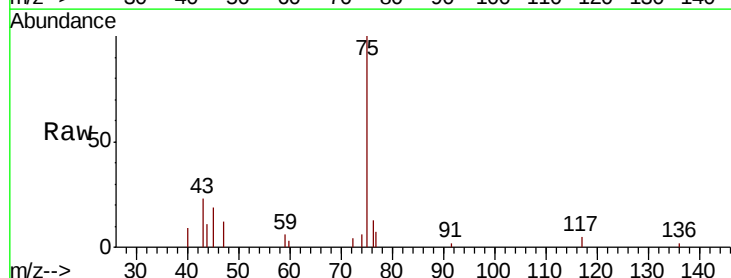
Instrument :
MSVOA_Y
ClientSampled :
6-B

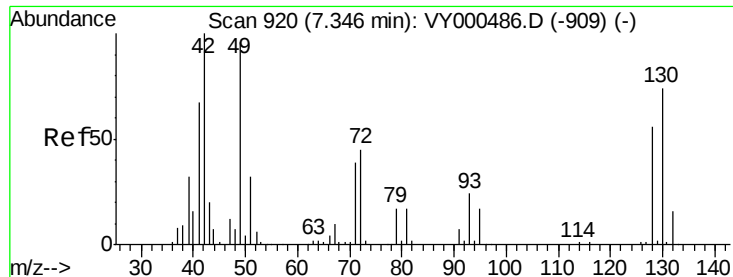
Tot Ion:	84	Resp:	20117
Ion	Ratio	Lower	Upper
84	100		
49	135.0	100.2	150.4
51	34.6	29.6	44.4
86	71.5	48.3	72.5



#25
2-Butanone
Concen: 1.179 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000610.D
Acq: 08 Nov 2019 12:36

Tgt Ion:	43	Resp:	1214
Ion	Ratio	Lower	Upper
43	100		
72	17.2	20.9	31.3#





#28

Bromochloromethane

Concen: 4.108 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.17 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

Instrument :

MSVOA_Y

ClientSampleId :

6-B

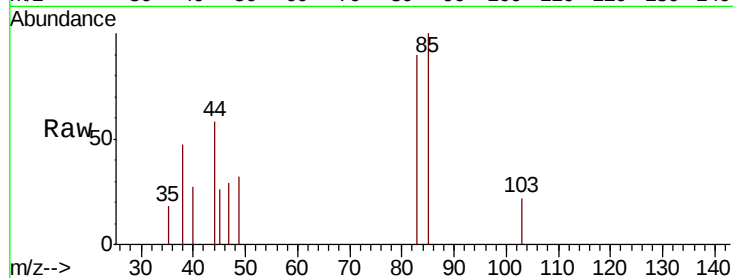
Tot Ion: 49 Resp: 33

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 59.4 89.0#



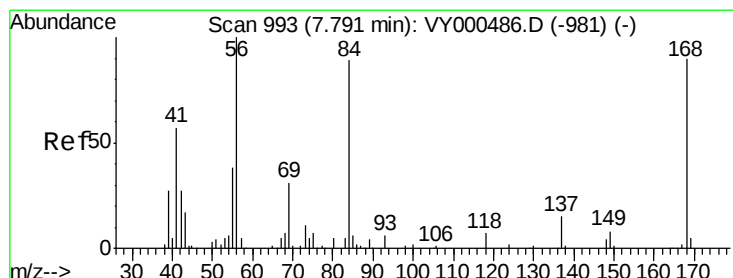
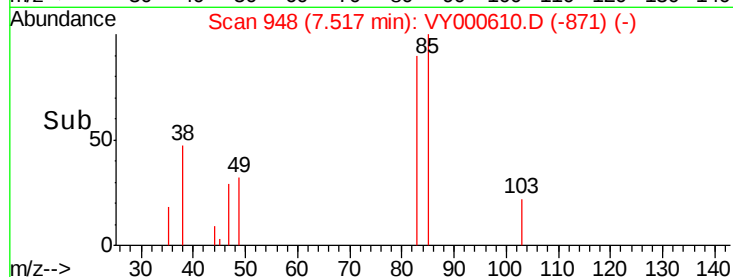
Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0

7.52

Time-->



#31

Cyclohexane

Concen: 1.228 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

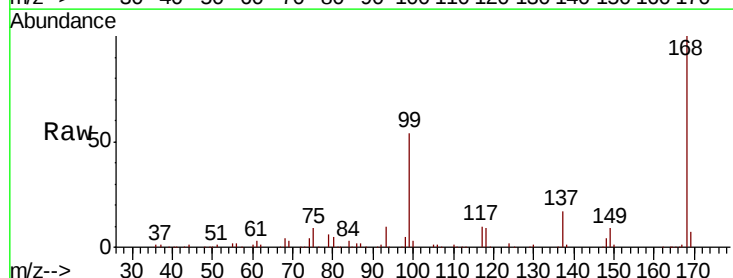
Tgt Ion: 56 Resp: 5562

Ion Ratio Lower Upper

56 100

69 134.1 25.0 37.6#

84 152.4 71.4 107.2#



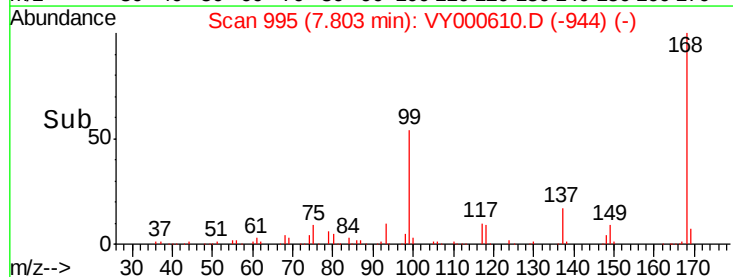
Abundance Ion 56.00 (55.70 to 56.70): VY0

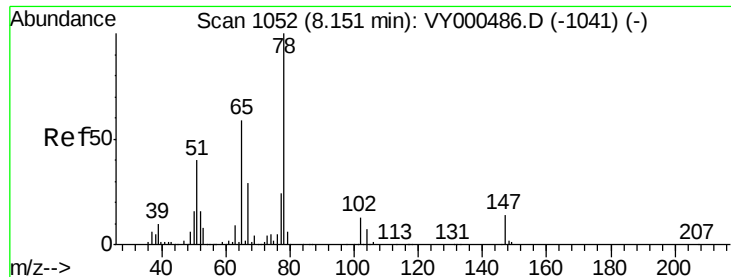
Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

7.80

Time-->





#33

1,2-Dichloroethane-d4

Concen: 58.891 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

Instrument :

MSVOA_Y

ClientSampleId :

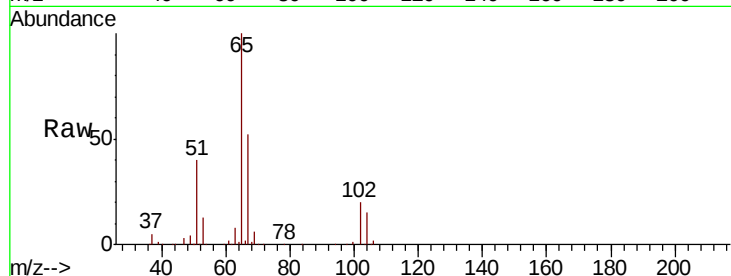
6-B

Tot Ion: 65 Resp: 137849

Ion Ratio Lower Upper

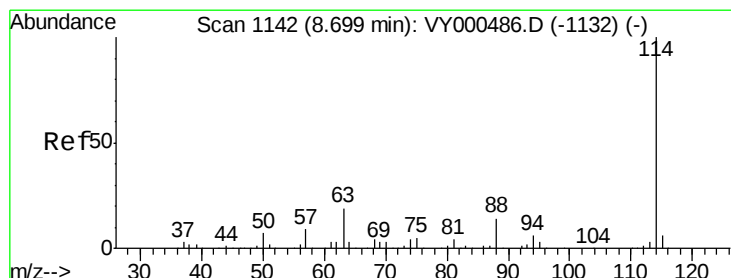
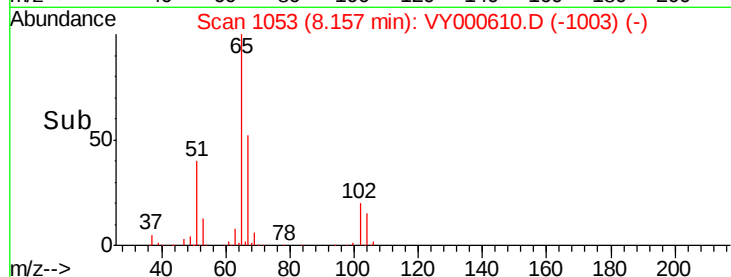
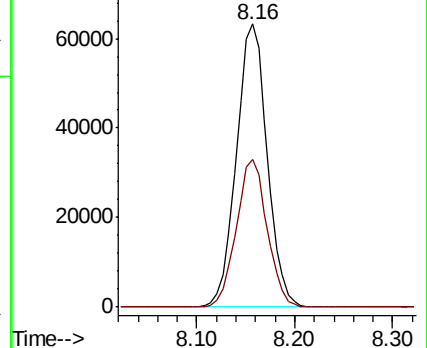
65 100

67 52.1 0.0 107.2



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. 0.00 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

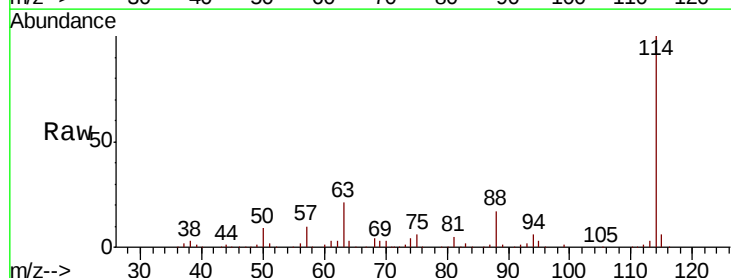
Tgt Ion: 114 Resp: 412256

Ion Ratio Lower Upper

114 100

63 21.4 0.0 38.0

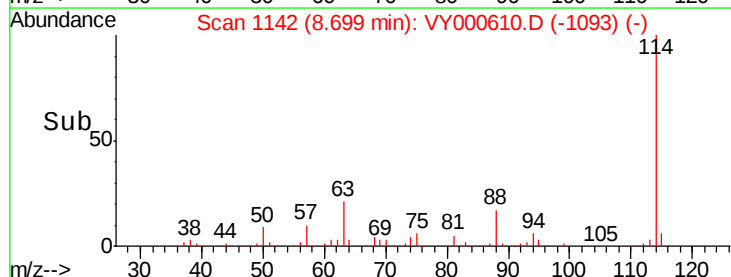
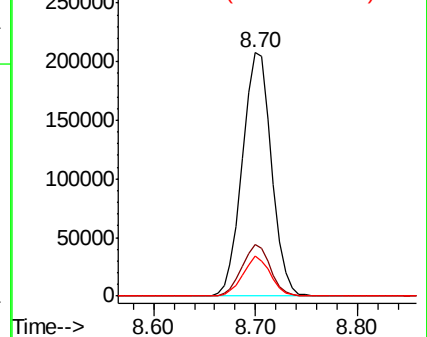
88 16.5 0.0 28.6

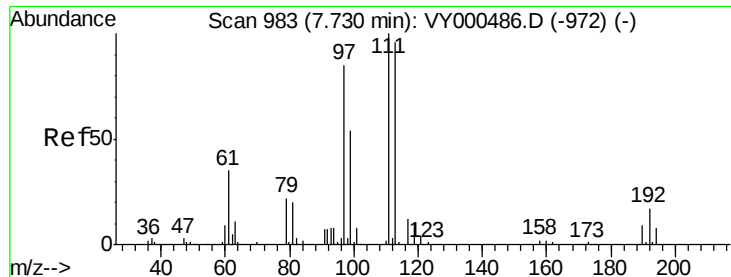


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

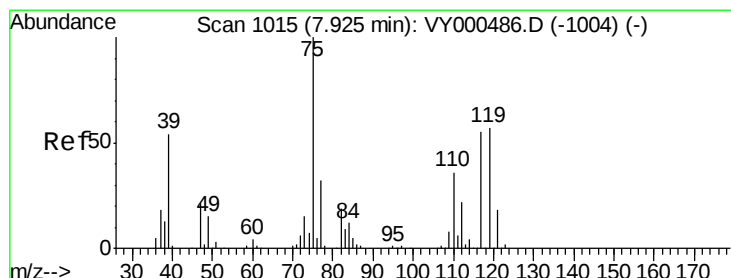
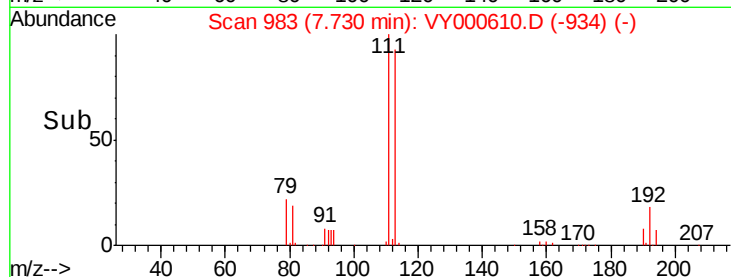
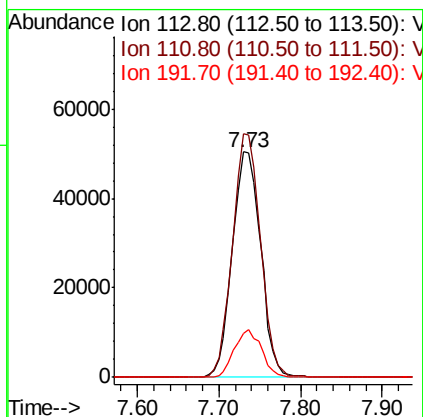
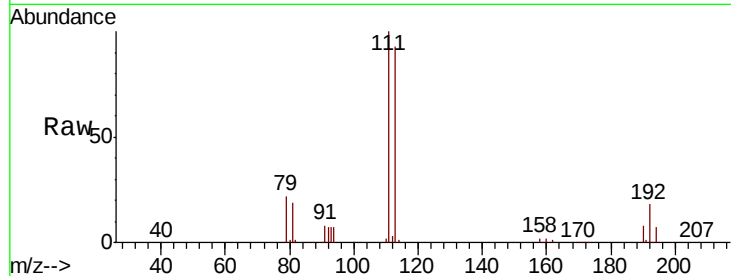




#35
 Dibromofluoromethane
 Concen: 50.098 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000610.D
 Acq: 08 Nov 2019 12:36

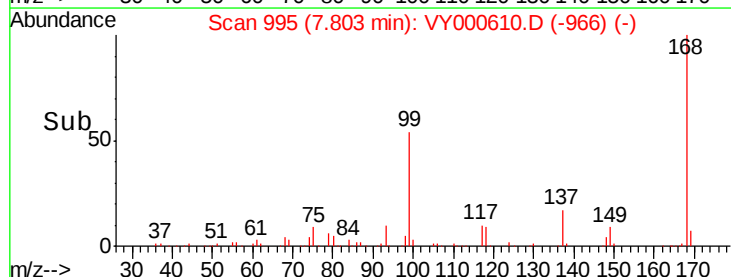
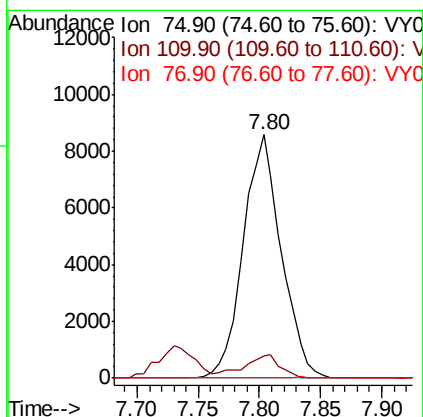
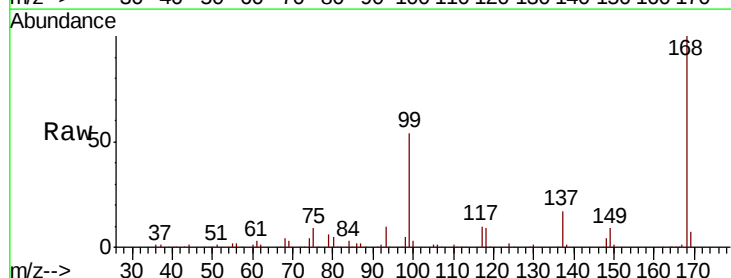
Instrument :
 MSVOA_Y
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 6-B

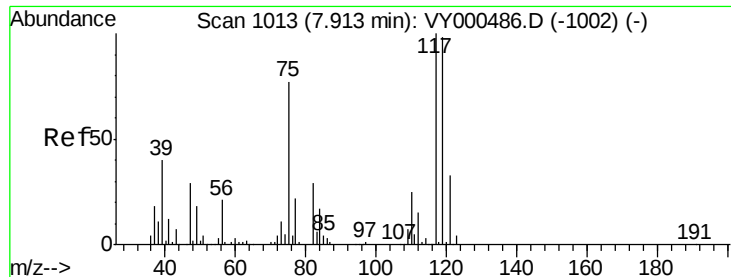
Tot Ion:113 Resp: 121248
 Ion Ratio Lower Upper
 113 100
 111 106.3 81.7 122.5
 192 20.3 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.757 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000610.D
 Acq: 08 Nov 2019 12:36

Tgt Ion: 75 Resp: 18541
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.992 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

Instrument :

MSVOA_Y

ClientSampleId :

6-B

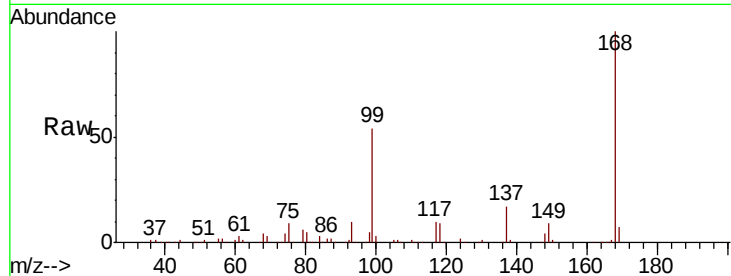
Tot Ion:117 Resp: 22470

Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

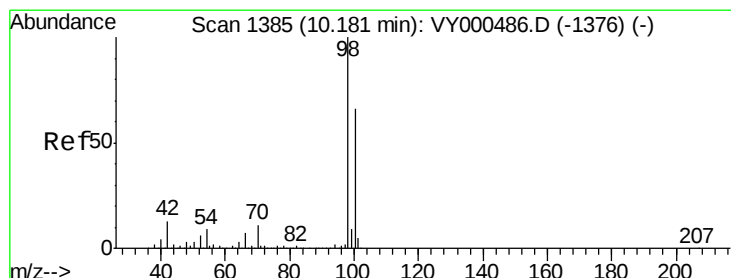
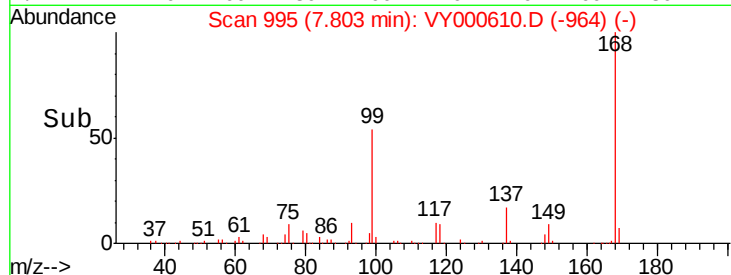
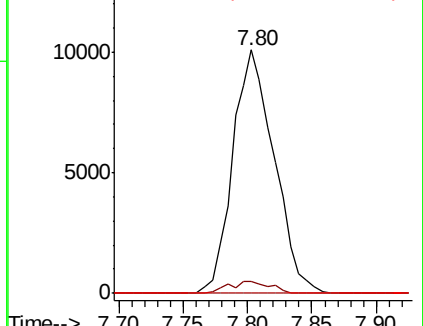
121 0.0 26.6 40.0#



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: 52.573 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000610.D

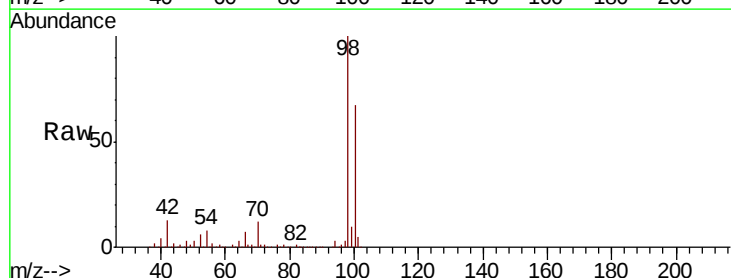
Acq: 08 Nov 2019 12:36

Tgt Ion: 98 Resp: 482799

Ion Ratio Lower Upper

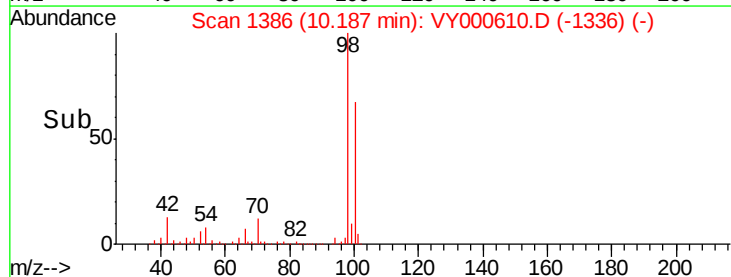
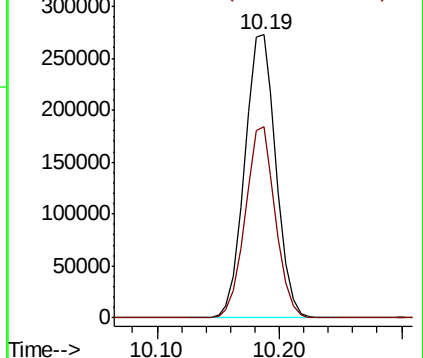
98 100

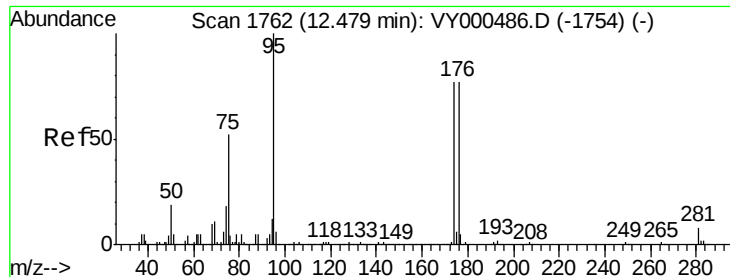
100 65.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

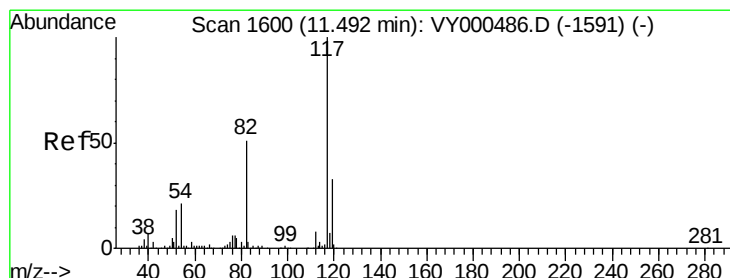
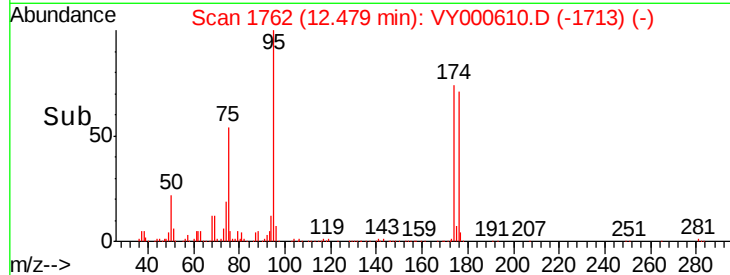
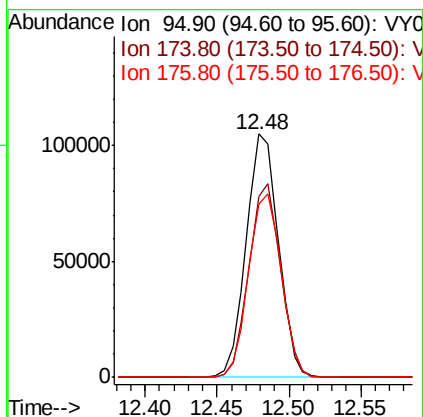
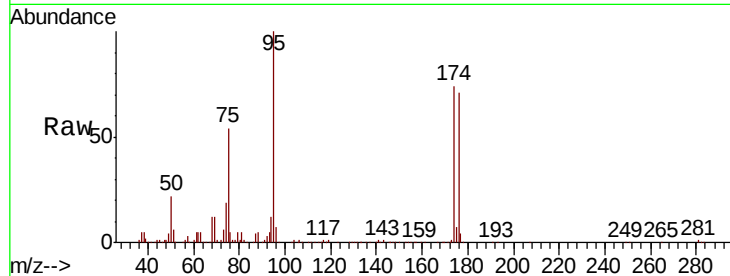




#62
4-Bromofluorobenzene
Concen: 46.469 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000610.D
Acq: 08 Nov 2019 12:36

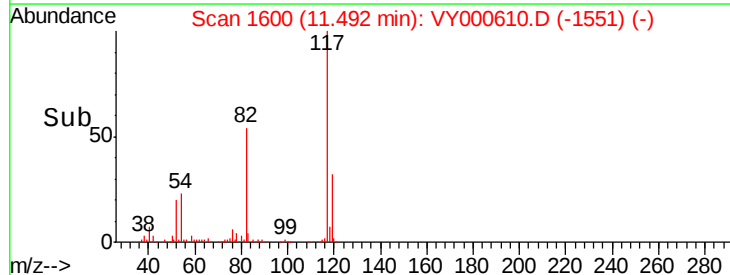
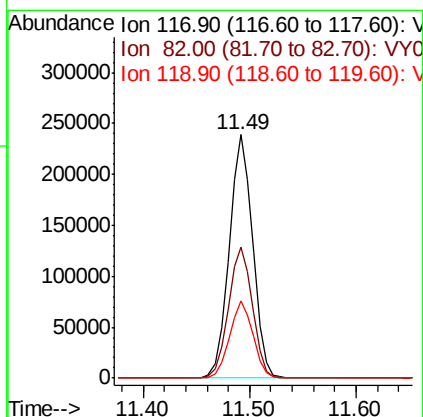
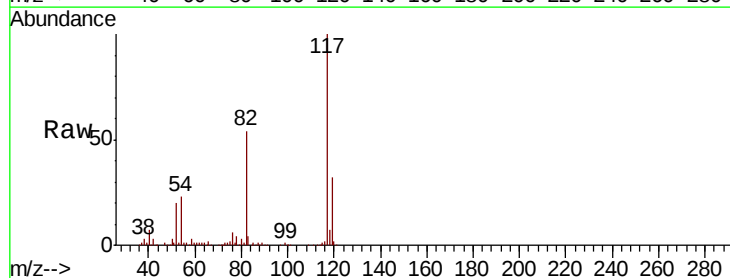
Instrument :
MSVOA_Y
ClientSampled :
6-B

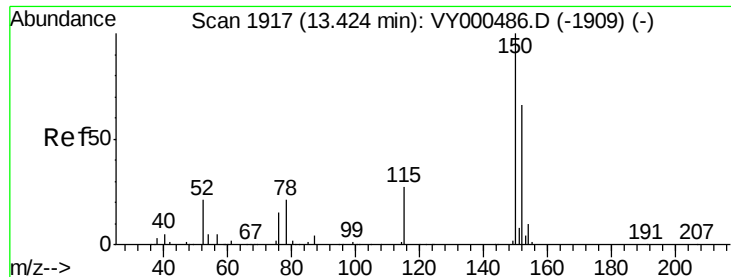
Tot Ion: 95 Resp: 162459
Ion Ratio Lower Upper
95 100
174 78.5 0.0 161.6
176 76.5 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000610.D
Acq: 08 Nov 2019 12:36

Tgt Ion: 117 Resp: 368137
Ion Ratio Lower Upper
117 100
82 53.7 40.8 61.2
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

Instrument :

MSVOA_Y

ClientSampleId :

6-B

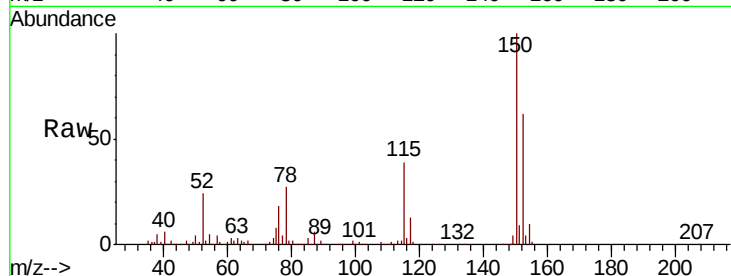
Tot Ion:152 Resp: 154033

Ion Ratio Lower Upper

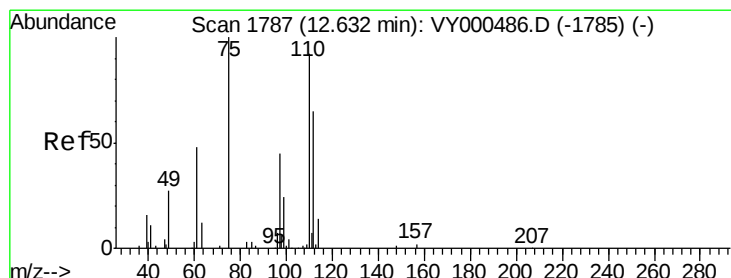
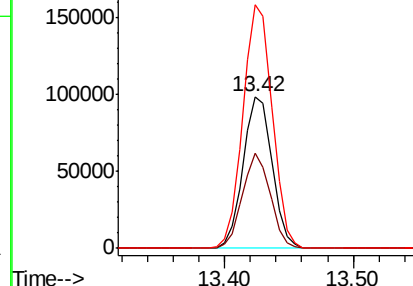
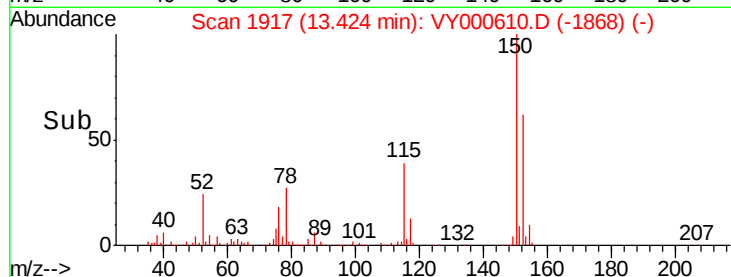
152 100

115 60.1 29.1 87.4

150 160.9 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: 50.411 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000610.D

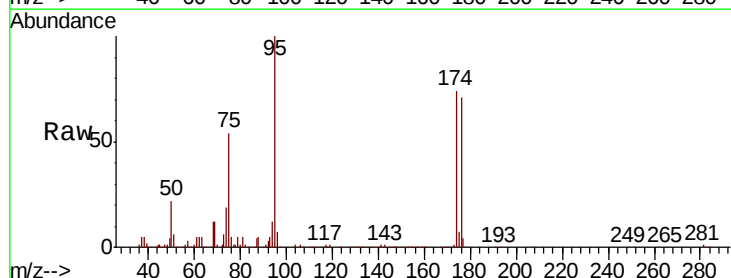
Acq: 08 Nov 2019 12:36

Tgt Ion: 75 Resp: 88415

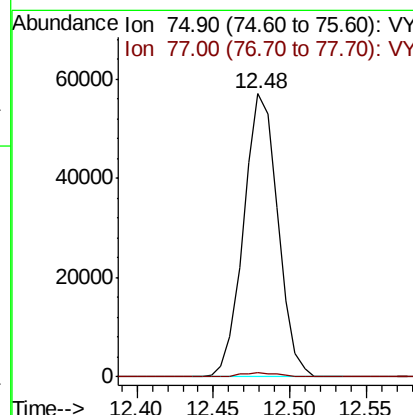
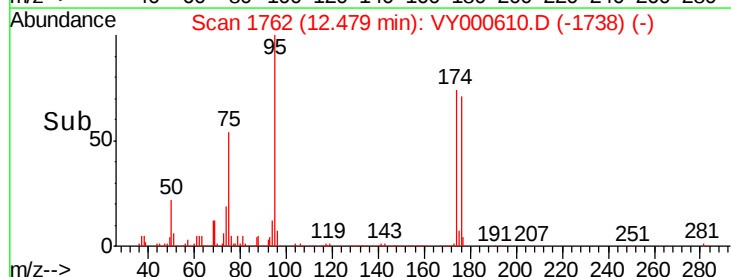
Ion Ratio Lower Upper

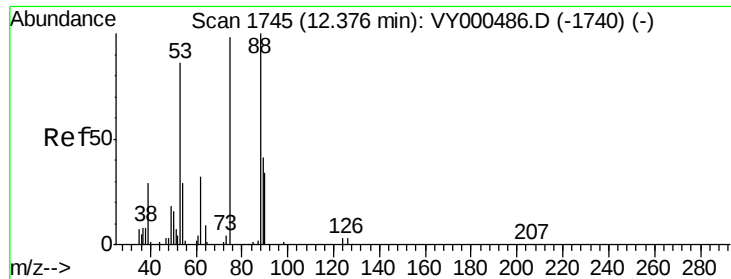
75 100

77 1.5 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: 113.029 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000610.D

Acq: 08 Nov 2019 12:36

Instrument :

MSVOA_Y

ClientSampleId :

6-B

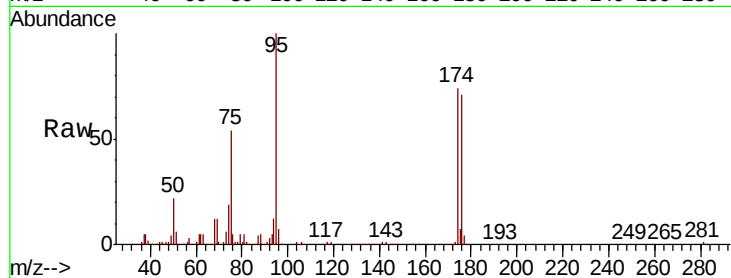
Tot Ion: 75 Resp: 88415

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 35.9 53.9#



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

