

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120419\
 Data File : VY000860.D
 Acq On : 04 Dec 2019 13:56
 Operator : SY/MD
 Sample : K6119-10
 Misc : 4.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(8-10)

Quant Time: Dec 05 07:54:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	13238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	26085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	24678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	9714	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	10489	74.57	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.73	113	6843	45.01	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.18	98	30970	50.96	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.48	95	10358	45.38	ug/l	0.00
Spiked Amount						

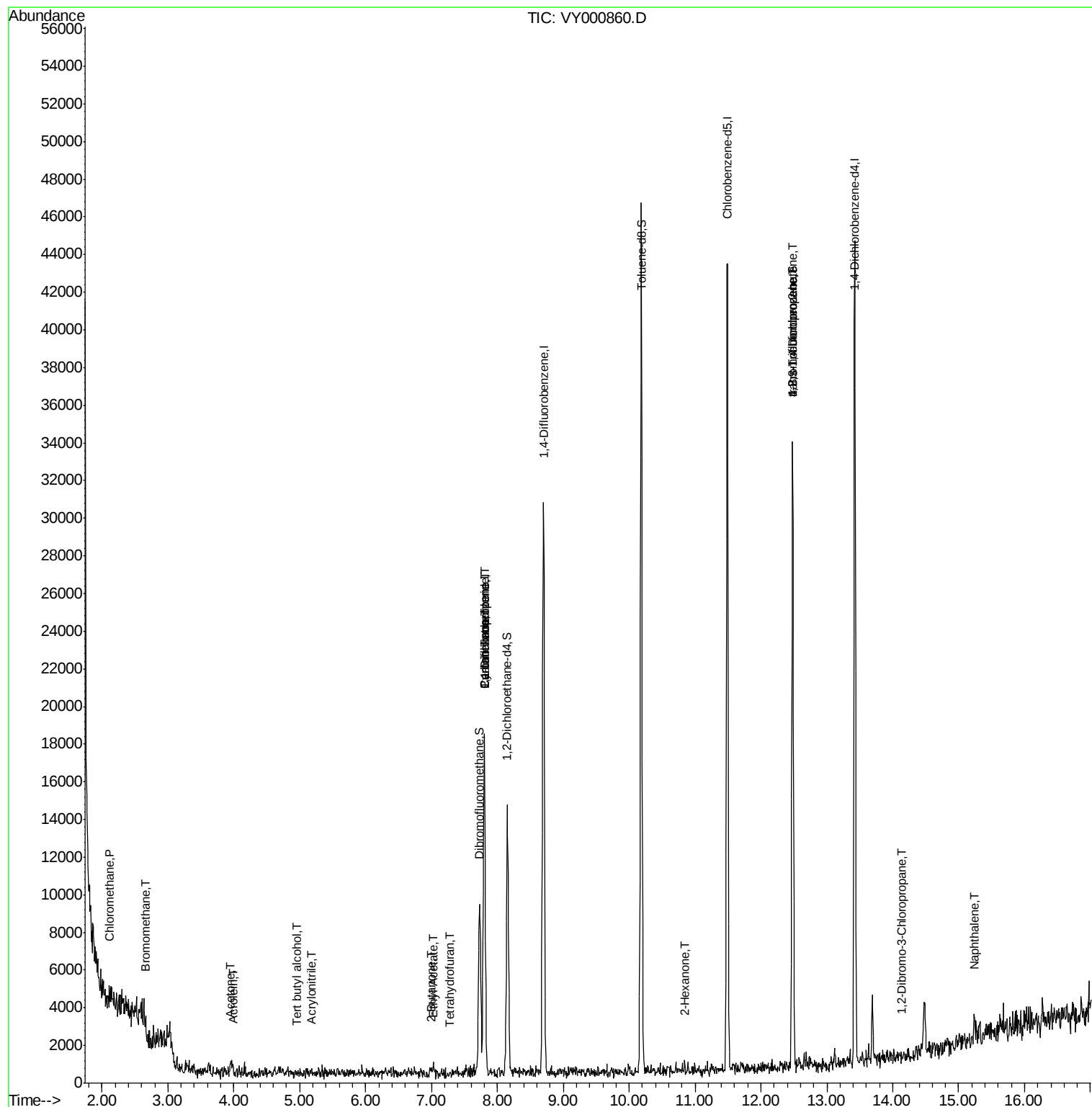
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	285	1.622	ug/l #	42
5) Bromomethane	2.67	94	156	1.010	ug/l #	3
11) Tert butyl alcohol	4.95	59	26	1.837	ug/l #	74
13) Acrolein	4.00	56	20	1.435	ug/l #	15
15) Acrylonitrile	5.19	53	58	1.258	ug/l #	18
16) Acetone	3.94	43	617	19.121	ug/l #	40
25) 2-Butanone	7.00	43	98	1.644	ug/l #	49
29) Tetrahydrofuran	7.27	42	93	2.354	ug/l #	33
31) Cyclohexane	7.80	56	311	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	1025	3.952	ug/l #	51
37) Ethyl Acetate	7.03	43	157	1.048	ug/l #	67
38) Carbon Tetrachloride	7.80	117	1443	6.247	ug/l #	11
59) 2-Hexanone	10.84	43	211	1.986	ug/l #	51
76) 1,2,3-Trichloropropane	12.48	75	5385	48.928	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	5385	96.109	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.14	75	57	2.234	ug/l #	1
95) Naphthalene	15.23	128	875	1.882	ug/l #	73

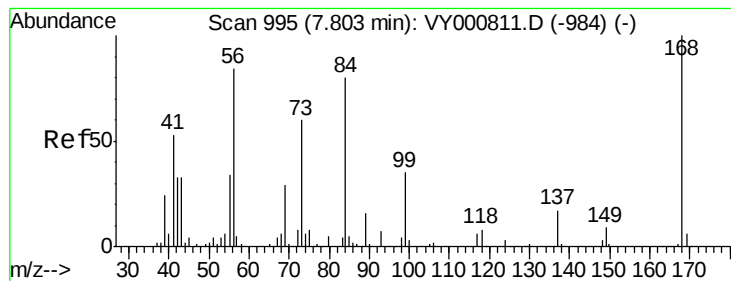
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 12:40:47 2019
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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: VY000860.D

Acq: 04 Dec 2019 13:56

Instrument :

MSVOA_Y

ClientSampleId :

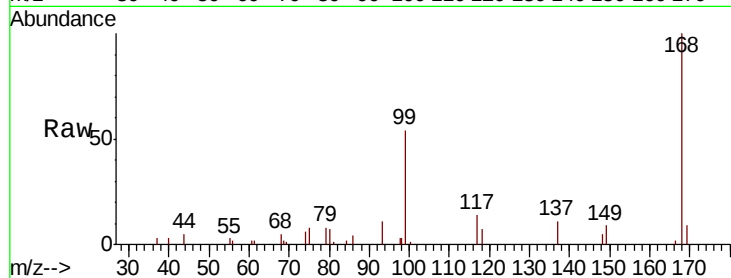
SB-2-(8-10)

Tot Ion:168 Resp: 13238

Ion Ratio Lower Upper

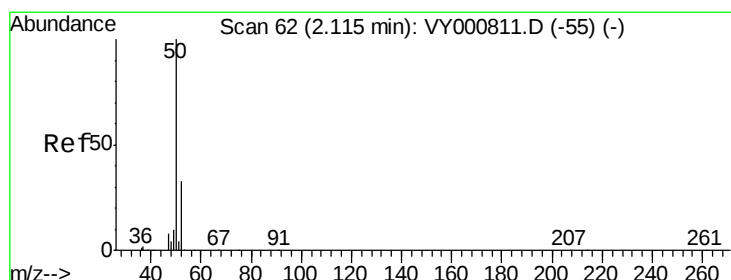
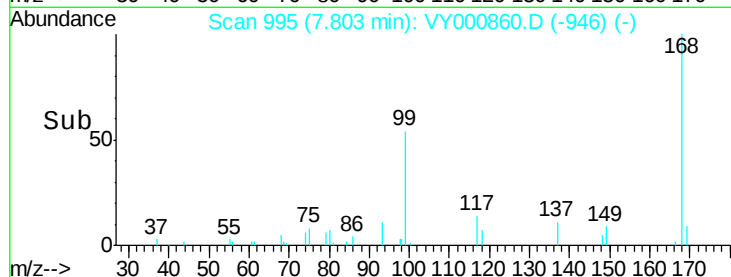
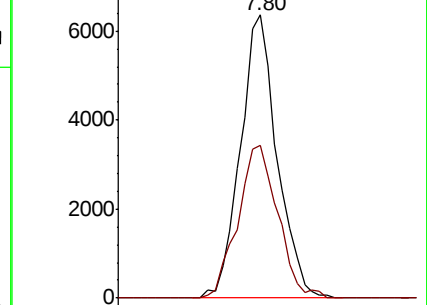
168 100

99 53.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000860.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000860.D (-946) (-)



#3

Chloromethane

Concen: 1.622 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000860.D

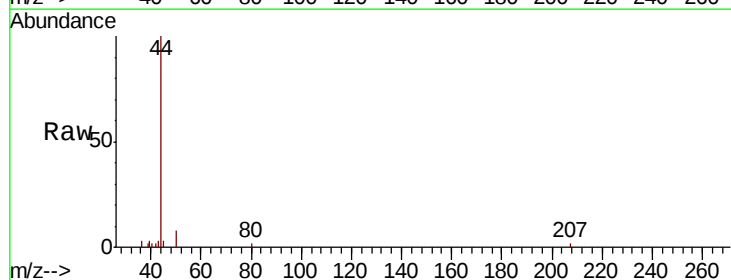
Acq: 04 Dec 2019 13:56

Tgt Ion: 50 Resp: 285

Ion Ratio Lower Upper

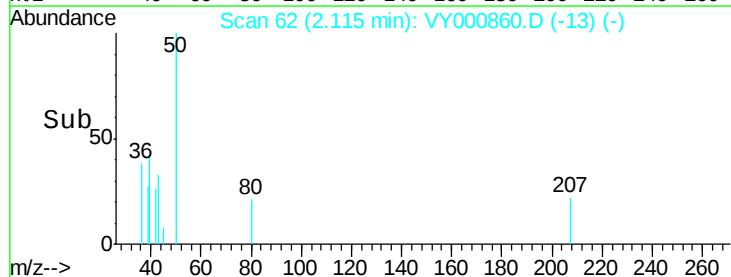
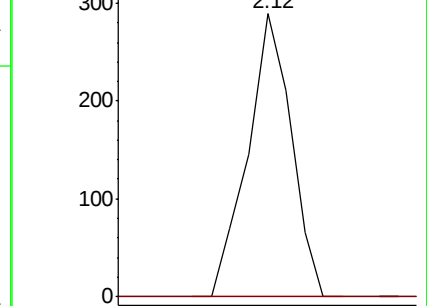
50 100

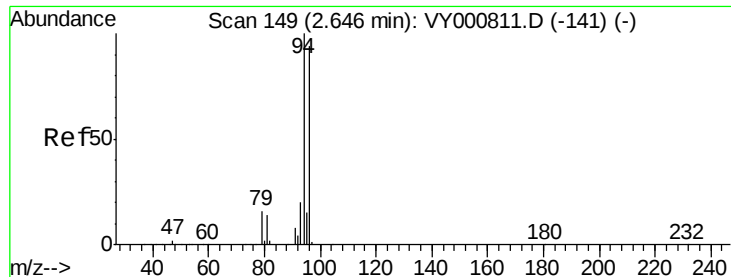
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VY000860.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY000860.D (-13) (-)





#5

Bromomethane

Concen: 1.010 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.02 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

Instrument :

MSVOA_Y

ClientSampleId :

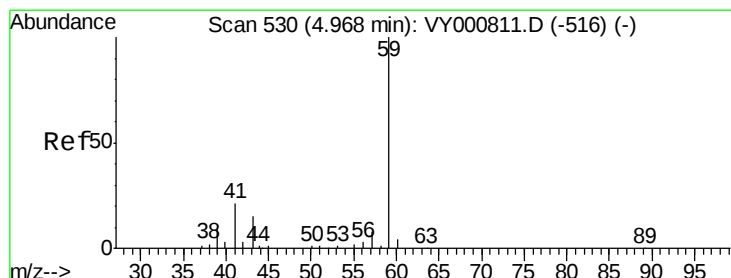
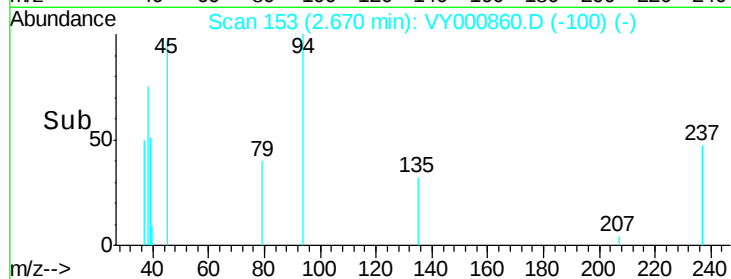
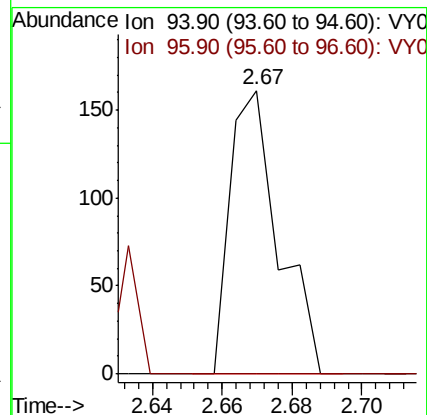
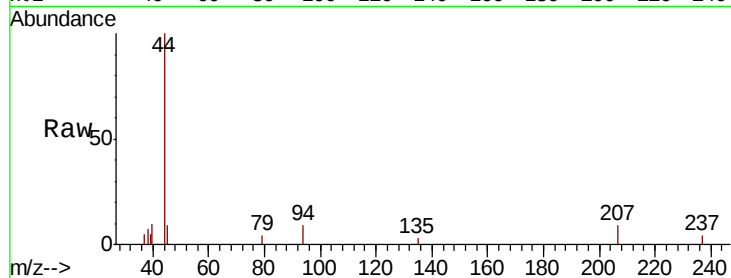
SB-2-(8-10)

Tot Ion: 94 Resp: 156

Ion Ratio Lower Upper

94 100

96 0.0 75.2 112.8#



#11

Tert butyl alcohol

Concen: 1.837 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY000860.D

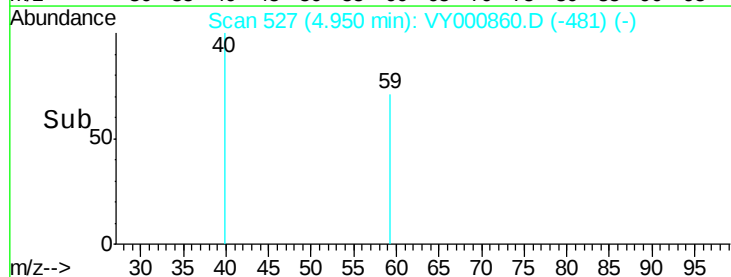
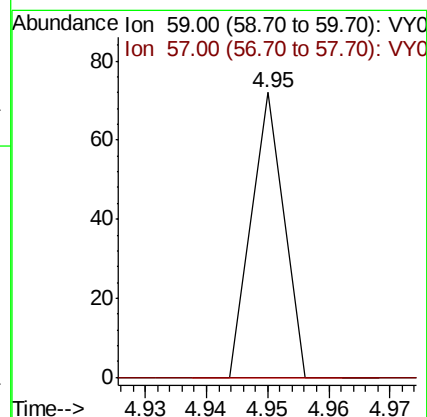
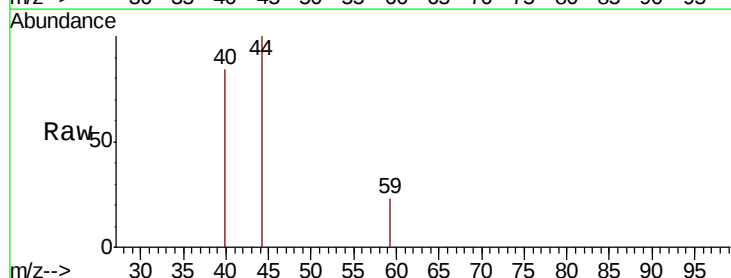
Acq: 04 Dec 2019 13:56

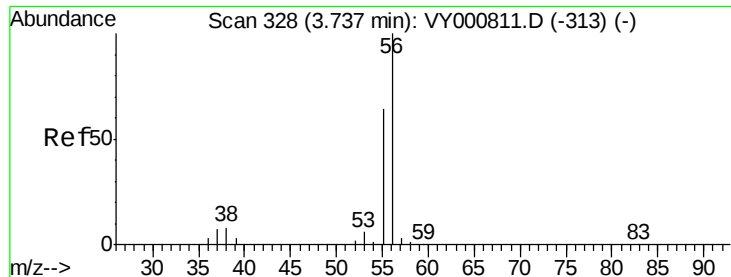
Tgt Ion: 59 Resp: 26

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#





#13

Acrolein

Concen: 1.435 ug/l

RT: 4.00 min Scan# 371

Delta R.T. 0.26 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

Instrument :

MSVOA_Y

ClientSampled :

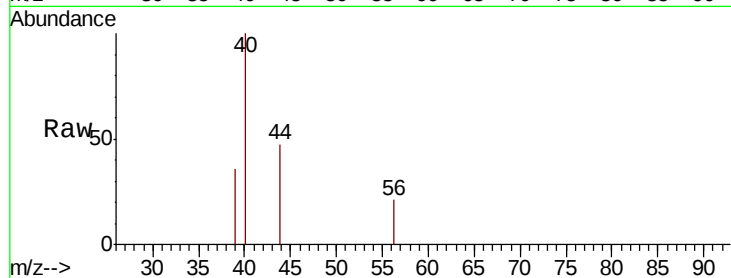
SB-2-(8-10)

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

4.00

60

50

40

30

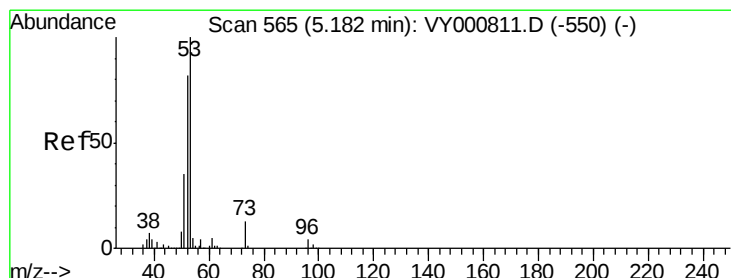
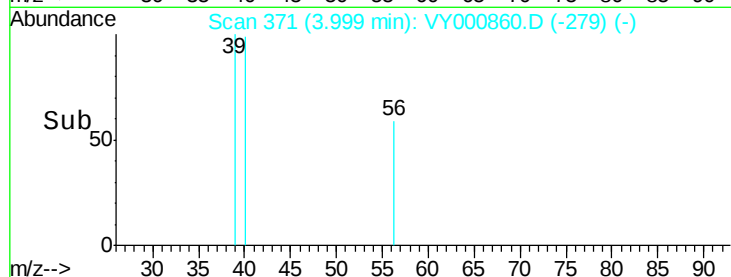
20

10

0

3.98 3.99 4.00 4.01

Time-->



#15

Acrylonitrile

Concen: 1.258 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.01 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

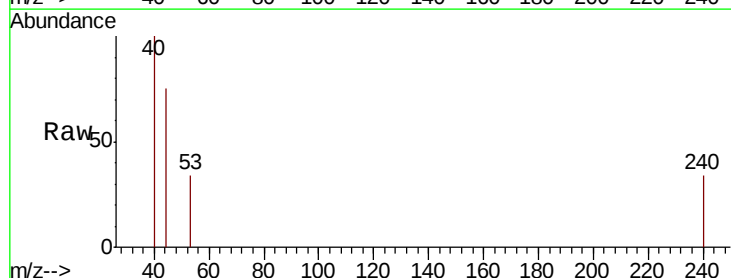
Tgt Ion: 53 Resp: 58

Ion Ratio Lower Upper

53 100

52 0.0 65.1 97.7#

51 0.0 29.0 43.4#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0

5.19

100

80

60

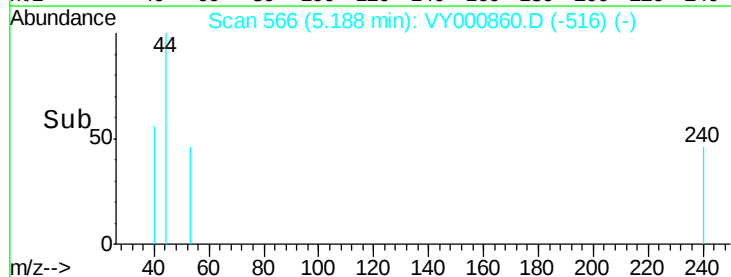
40

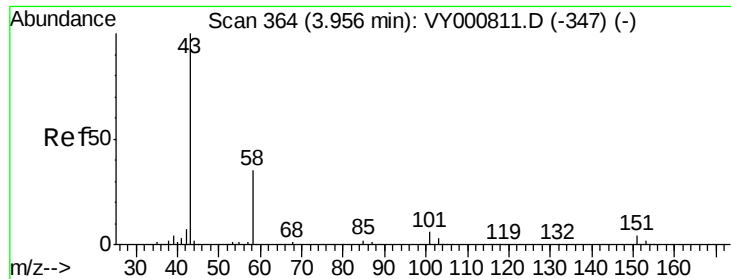
20

0

5.16 5.18 5.20

Time-->





#16

Acetone

Concen: 19.121 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

Instrument :

MSVOA_Y

ClientSampleId :

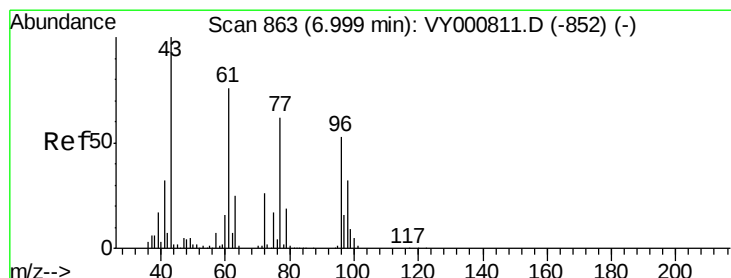
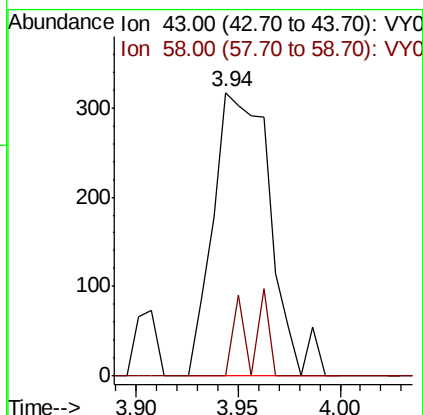
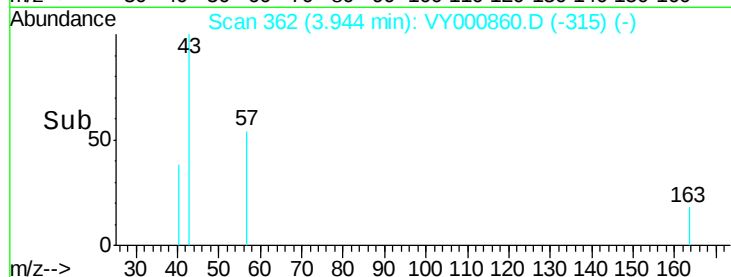
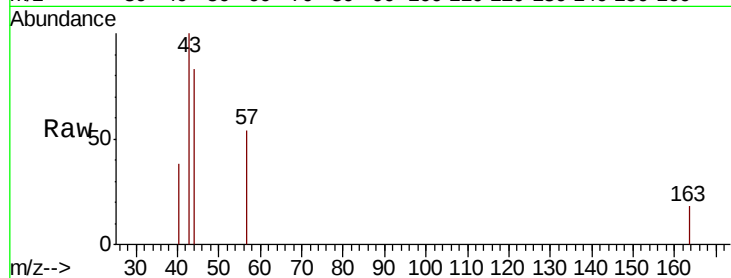
SB-2-(8-10)

Tot Ion: 43 Resp: 617

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#25

2-Butanone

Concen: 1.644 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000860.D

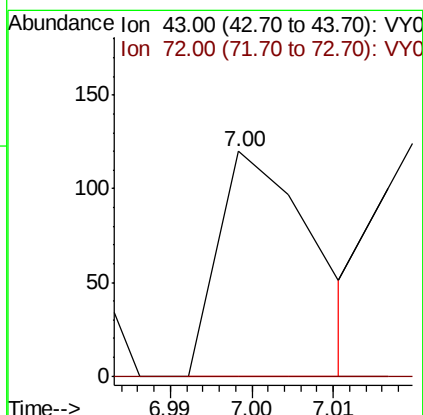
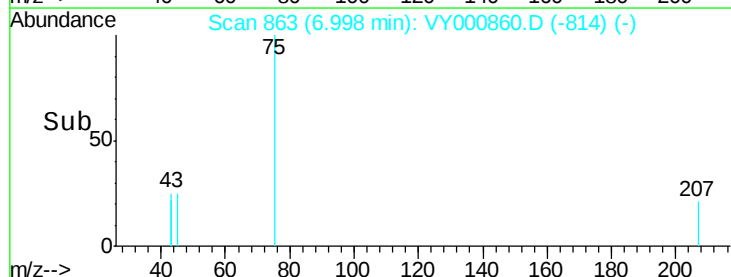
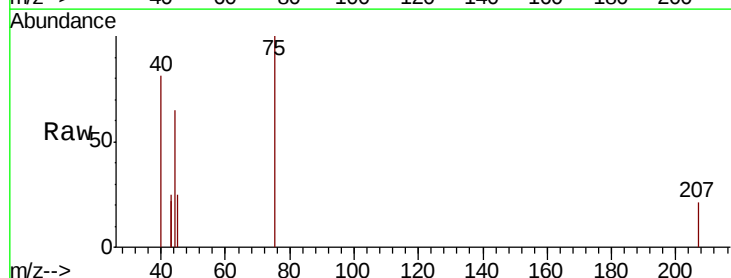
Acq: 04 Dec 2019 13:56

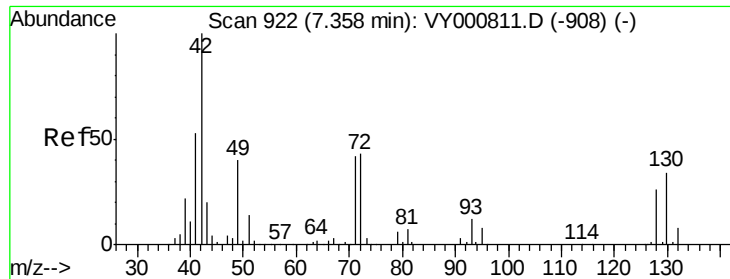
Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#





#29

Tetrahydrofuran

Concen: 2.354 ug/l

RT: 7.27 min Scan# 908

Delta R.T. -0.09 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

Instrument :

MSVOA_Y

ClientSampled :

SB-2-(8-10)

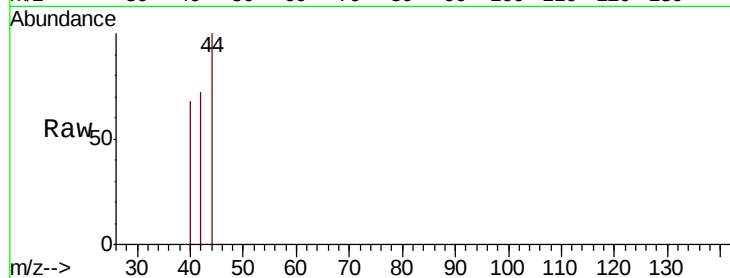
Tot Ion: 42 Resp: 93

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

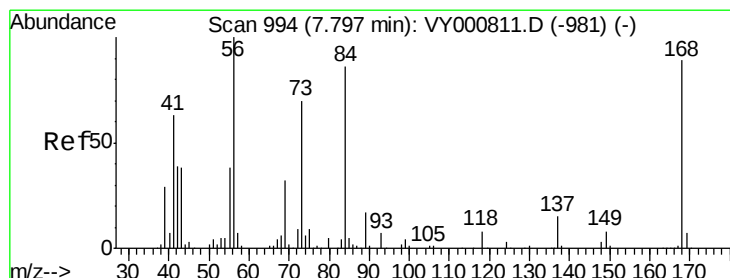
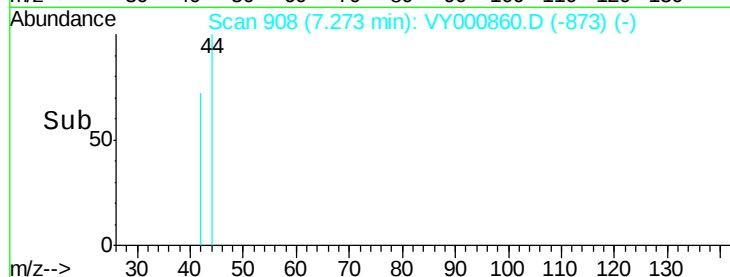
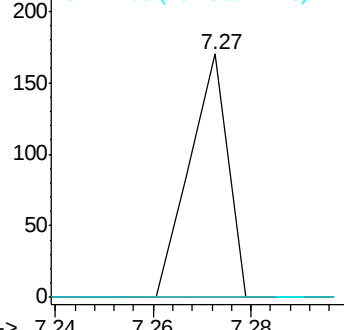
71 0.0 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.041 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

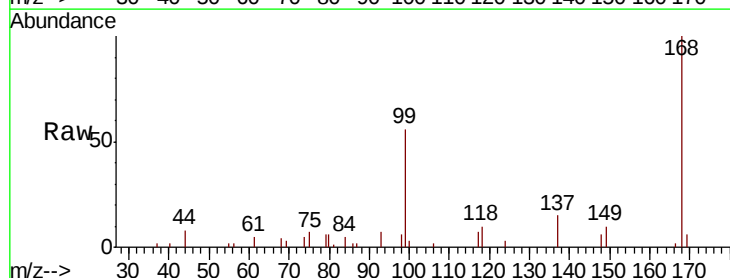
Tgt Ion: 56 Resp: 311

Ion Ratio Lower Upper

56 100

69 124.6 25.9 38.9#

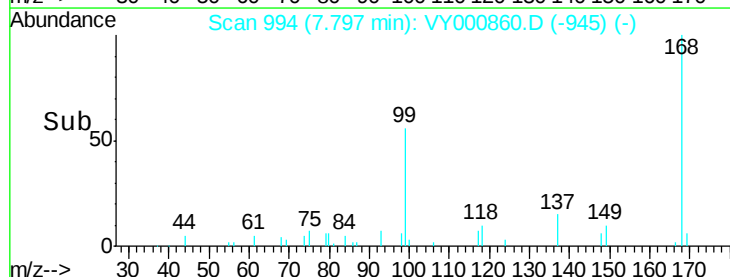
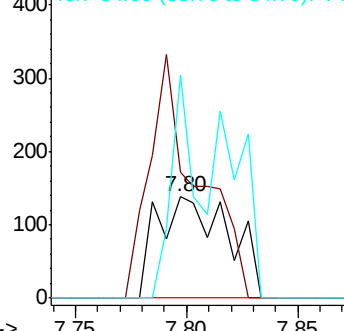
84 220.3 68.6 102.8#

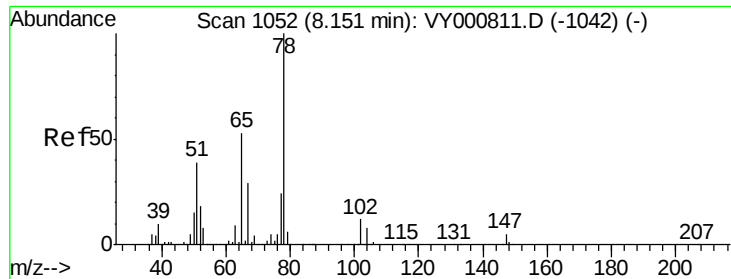


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

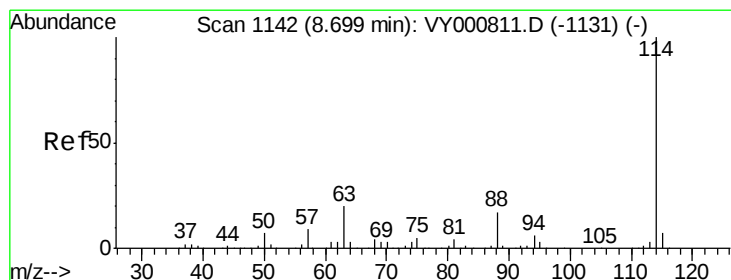
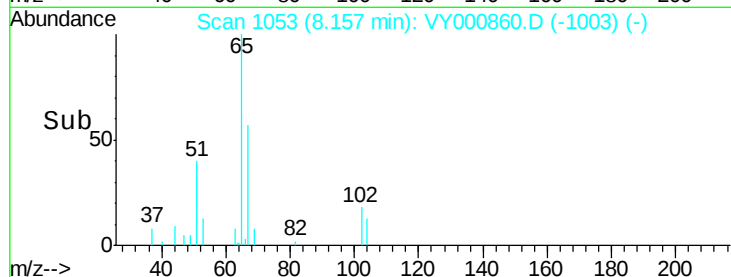
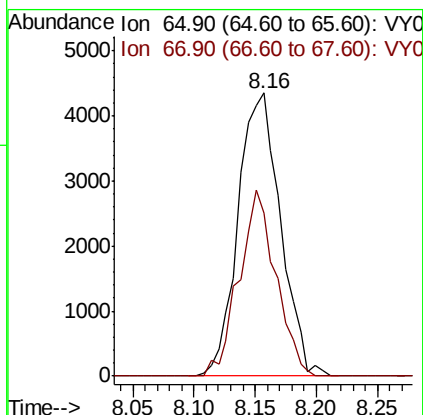
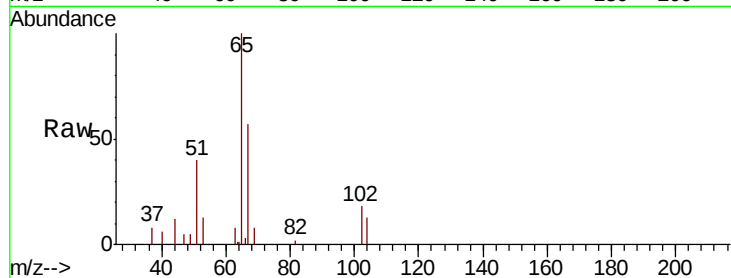




#33
 1,2-Dichloroethane-d4
 Concen: 74.567 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000860.D
 Acq: 04 Dec 2019 13:56

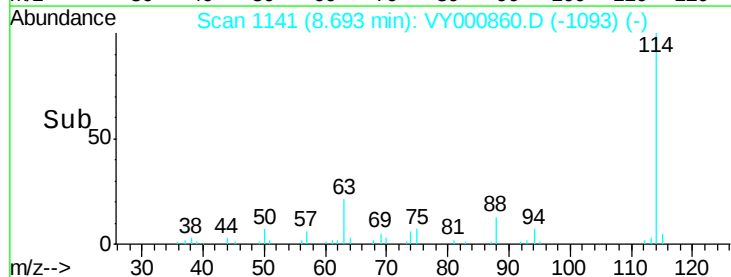
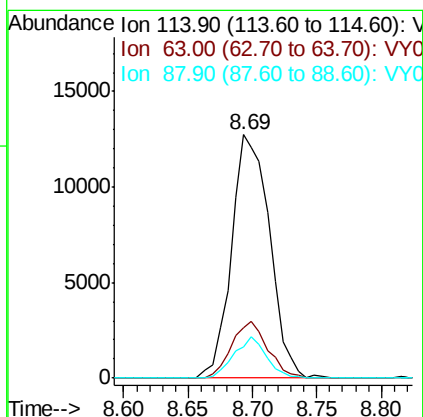
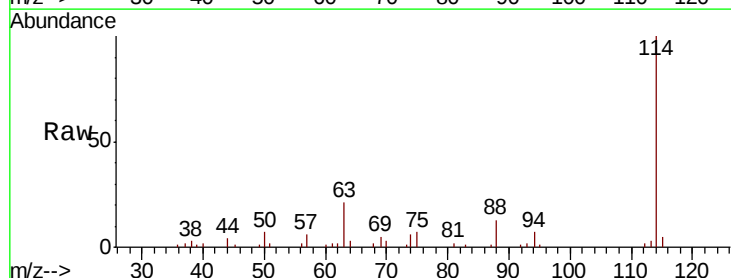
Instrument :
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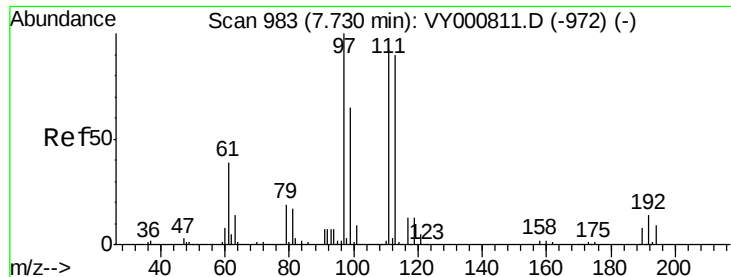
Tot Ion: 65 Resp: 10489
 Ion Ratio Lower Upper
 65 100
 67 56.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000860.D
 Acq: 04 Dec 2019 13:56

Tgt Ion: 114 Resp: 26085
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.8
 88 12.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.013 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(8-10)

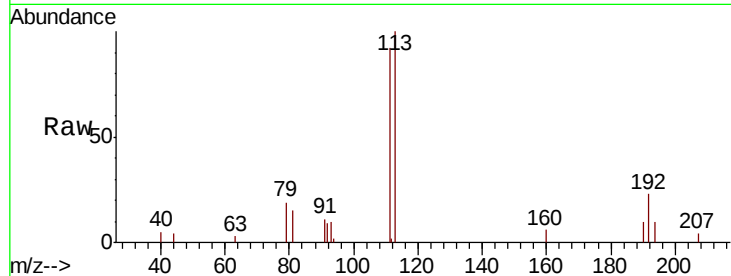
Tot Ion:113 Resp: 6843

Ion Ratio Lower Upper

113 100

111 97.4 82.4 123.6

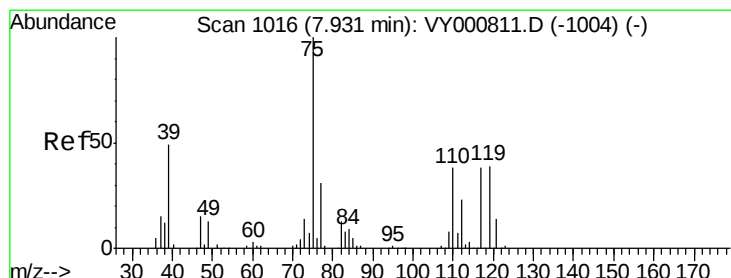
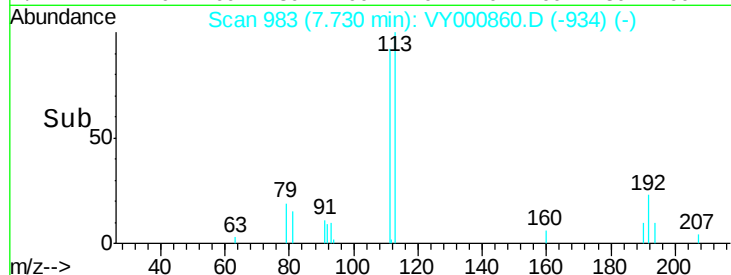
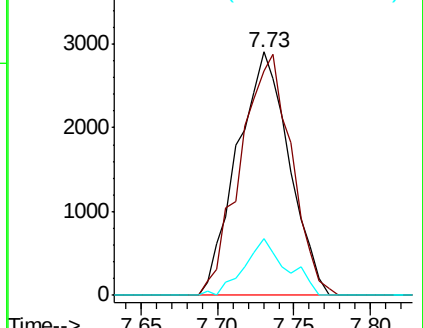
192 19.0 14.2 21.2



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: 3.952 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

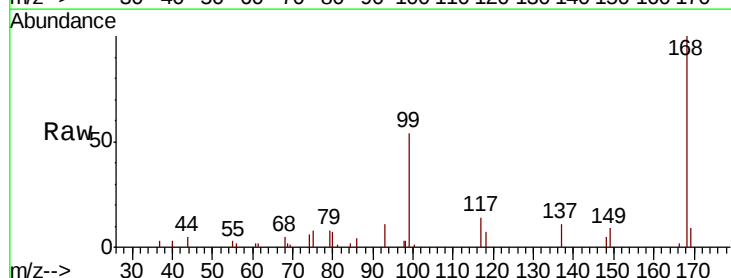
Tgt Ion: 75 Resp: 1025

Ion Ratio Lower Upper

75 100

110 10.6 17.9 53.7#

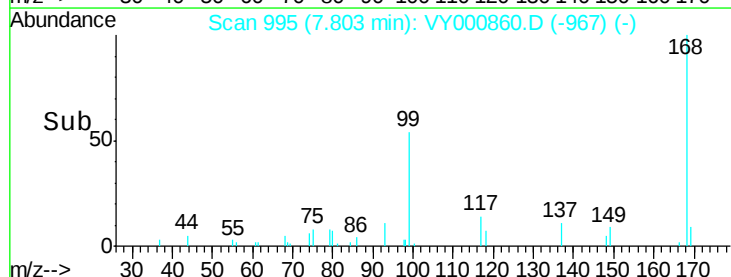
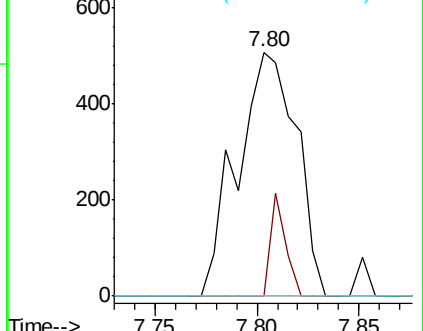
77 0.0 24.7 37.1#

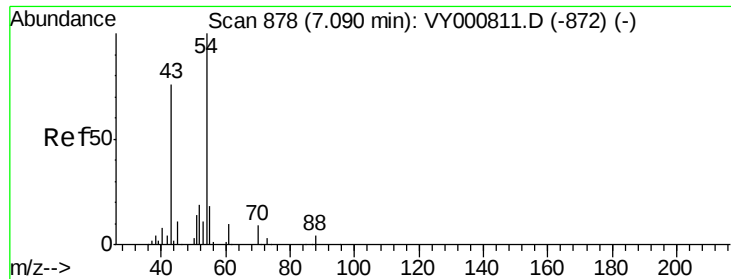


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

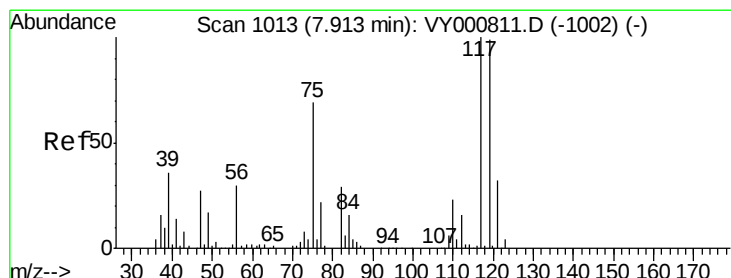
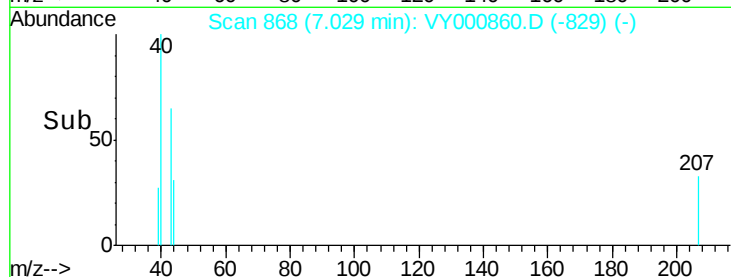
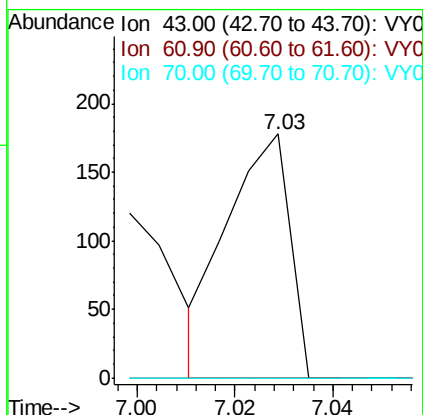
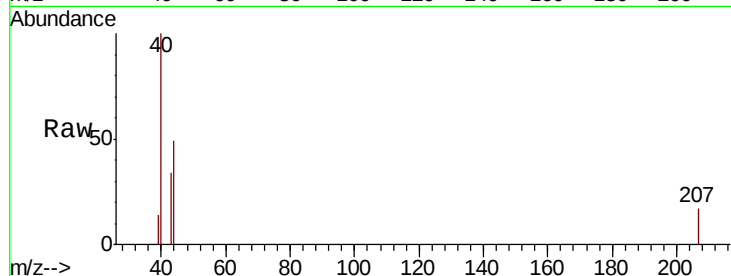




#37
Ethyl Acetate
Concen: 1.048 ug/l
RT: 7.03 min Scan# 868
Delta R.T. -0.06 min
Lab File: VY000860.D
Acq: 04 Dec 2019 13:56

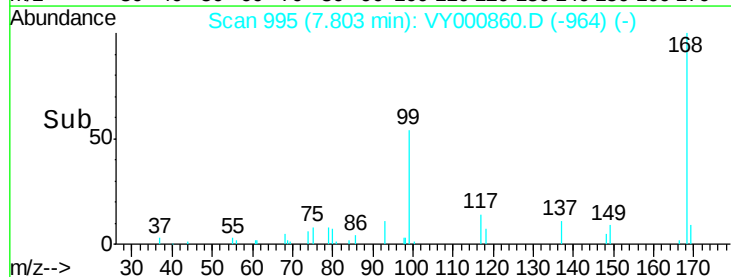
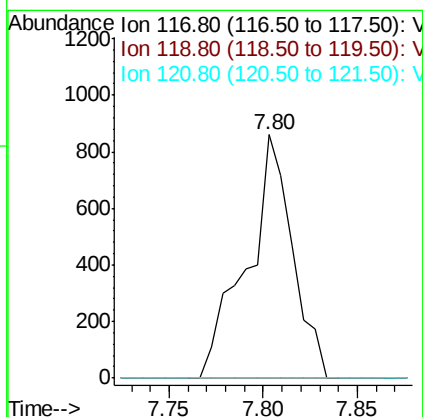
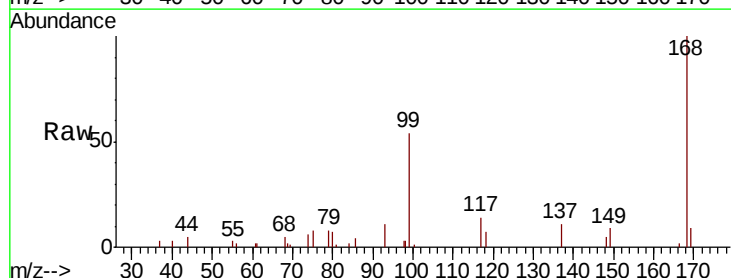
Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(8-10)

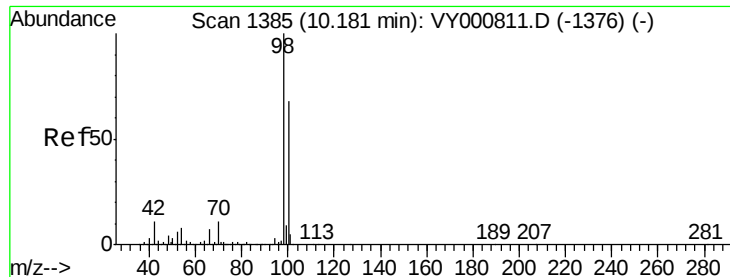
Tot Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 6.247 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000860.D
Acq: 04 Dec 2019 13:56

Tgt Ion: 117 Resp: 1443
Ion Ratio Lower Upper
117 100
119 0.0 79.3 118.9#
121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 50.956 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

Instrument :

MSVOA_Y

ClientSampleId :

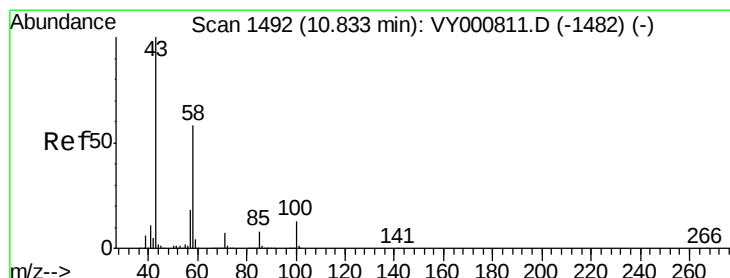
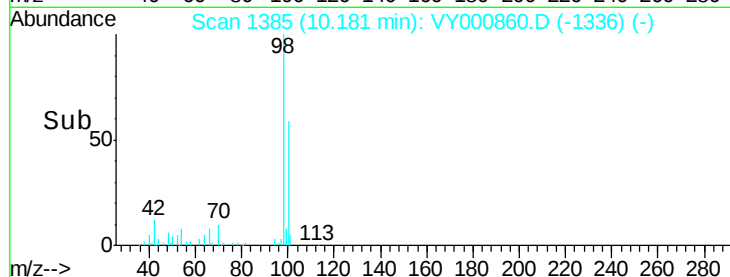
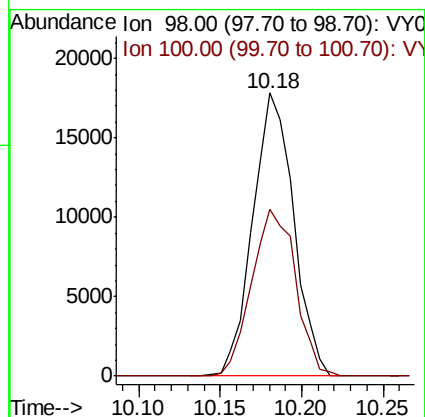
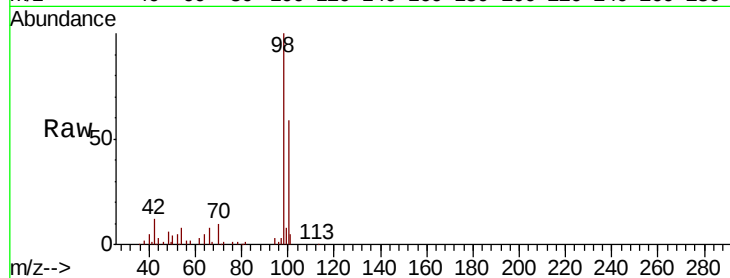
SB-2-(8-10)

Tot Ion: 98 Resp: 30970

Ion Ratio Lower Upper

98 100

100 63.2 53.1 79.7



#59

2-Hexanone

Concen: 1.986 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VY000860.D

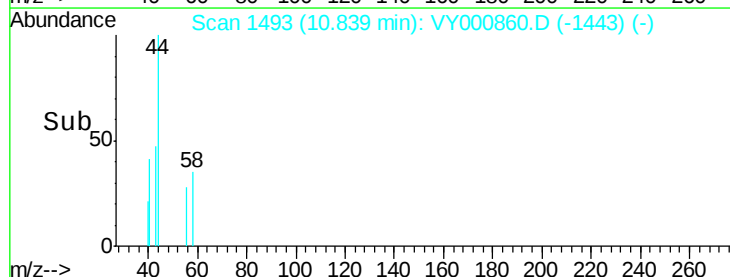
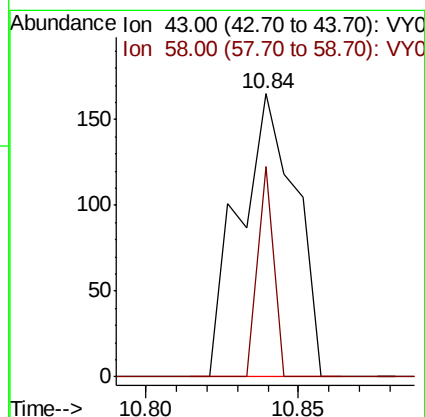
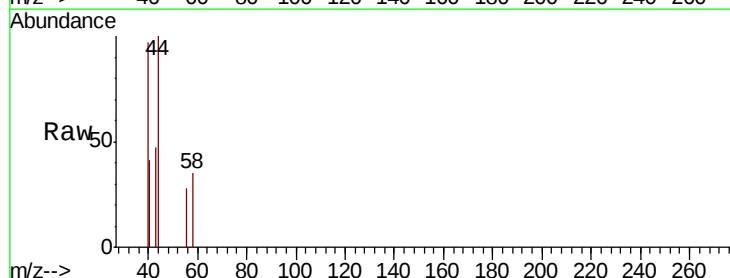
Acq: 04 Dec 2019 13:56

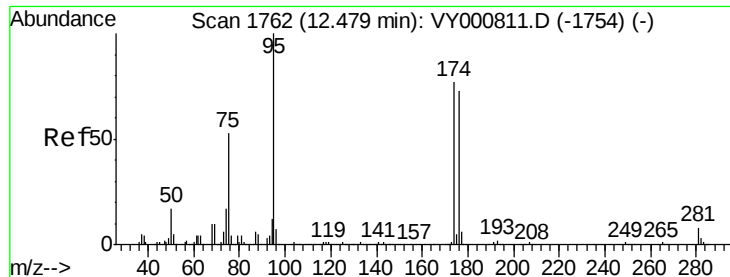
Tgt Ion: 43 Resp: 211

Ion Ratio Lower Upper

43 100

58 21.3 29.0 87.1#

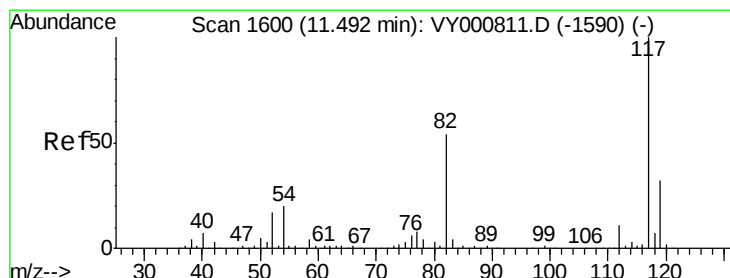
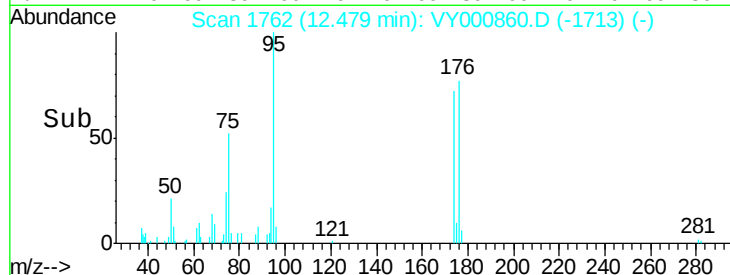
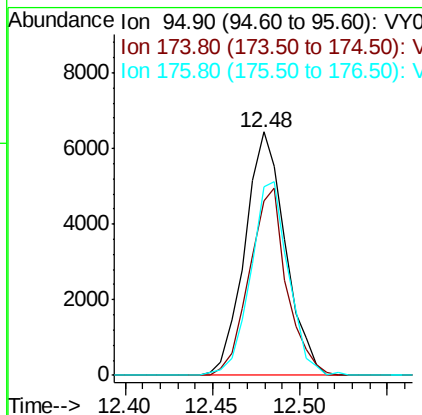
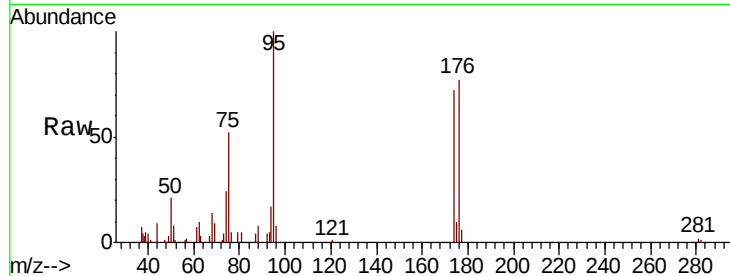




#62
4-Bromofluorobenzene
Concen: 45.379 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000860.D
Acq: 04 Dec 2019 13:56

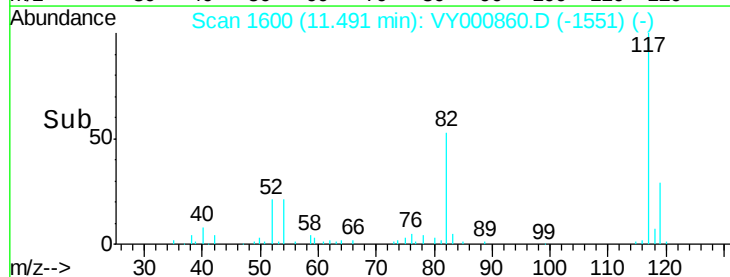
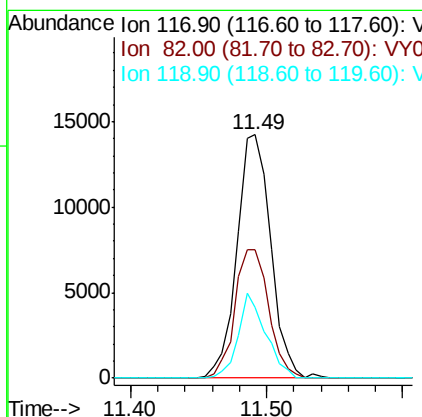
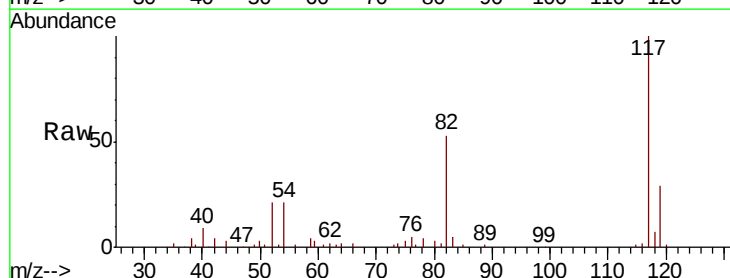
Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(8-10)

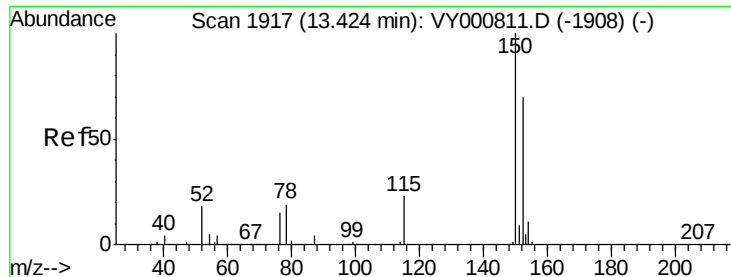
Tot Ion	95	Resp	10358
Ion Ratio	Lower	Upper	
95	100		
174	71.1	0.0	150.6
176	73.9	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000860.D
Acq: 04 Dec 2019 13:56

Tgt Ion	117	Resp	24678
Ion Ratio	Lower	Upper	
117	100		
82	52.6	43.1	64.7
119	28.9	25.3	37.9



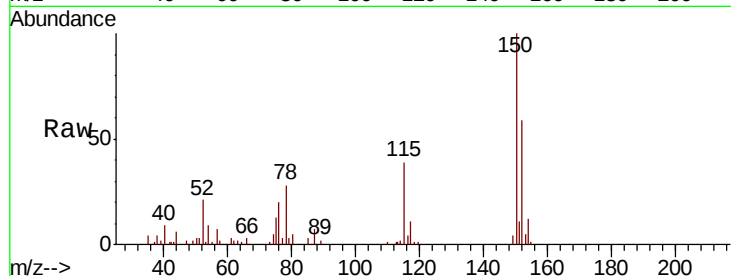


#72

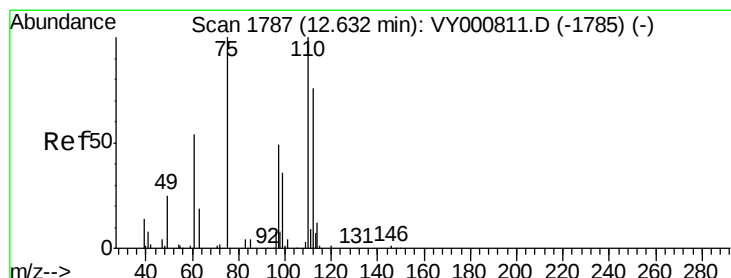
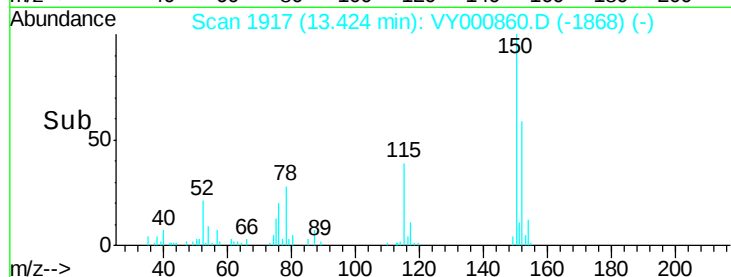
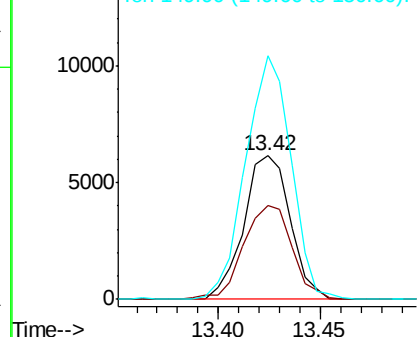
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000860.D
Acq: 04 Dec 2019 13:56

Instrument :
MSVOA_Y
ClientSampled :
SB-2-(8-10)

Tot Ion:152 Resp: 9714
Ion Ratio Lower Upper
152 100
115 68.2 29.3 87.8
150 166.5 0.0 351.2



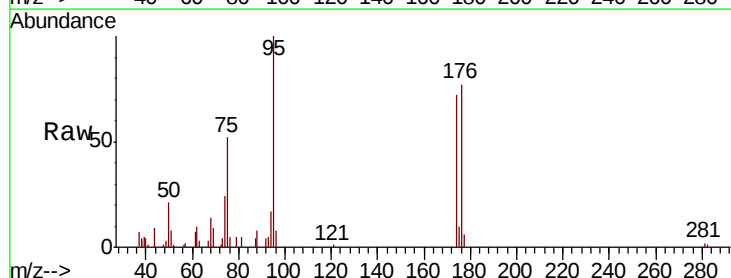
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



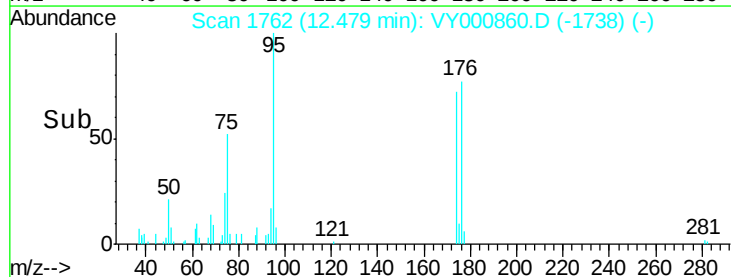
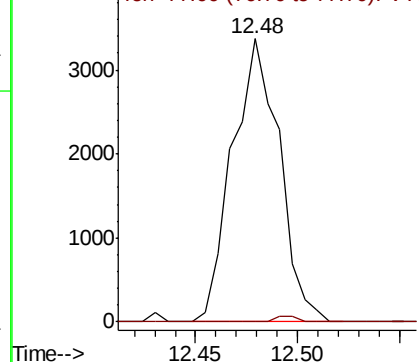
#76

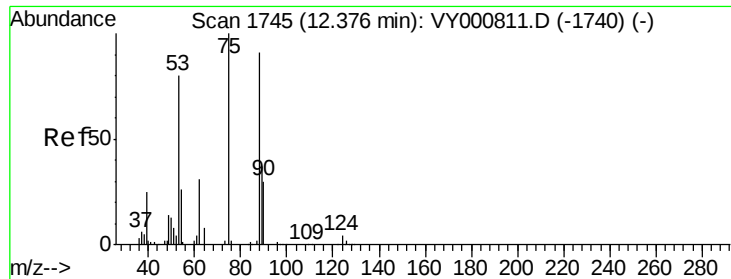
1,2,3-Trichloropropane
Concen: 48.928 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000860.D
Acq: 04 Dec 2019 13:56

Tgt Ion: 75 Resp: 5385
Ion Ratio Lower Upper
75 100
77 0.9 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: 96.109 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(8-10)

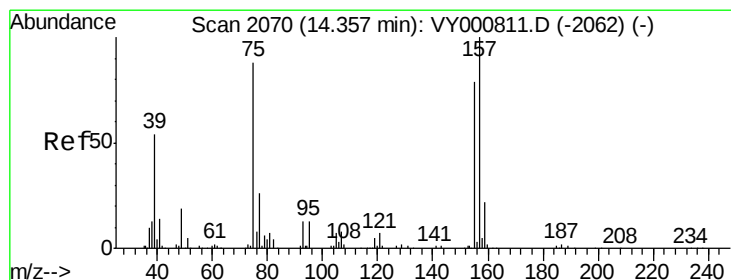
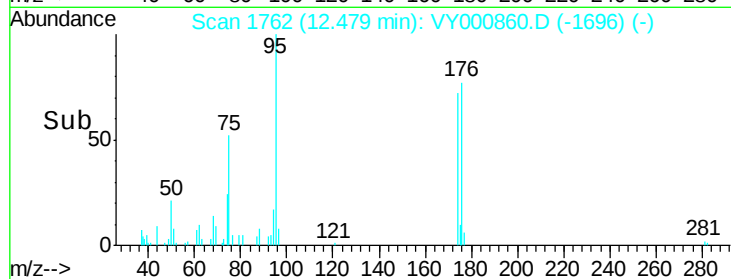
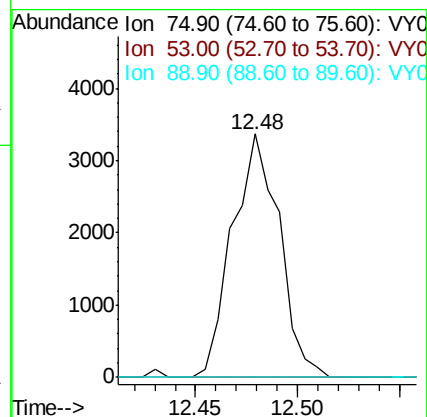
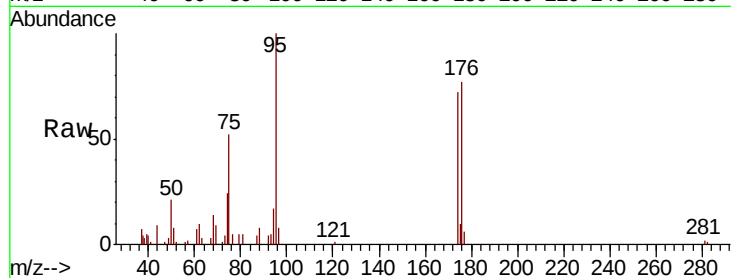
Tot Ion: 75 Resp: 5385

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 33.6 50.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.234 ug/l

RT: 14.14 min Scan# 2035

Delta R.T. -0.21 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

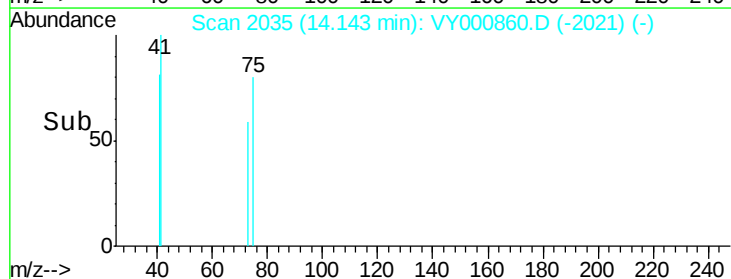
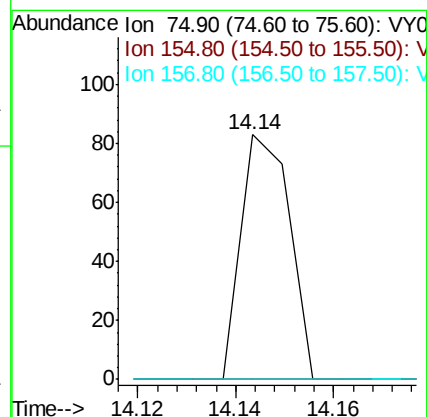
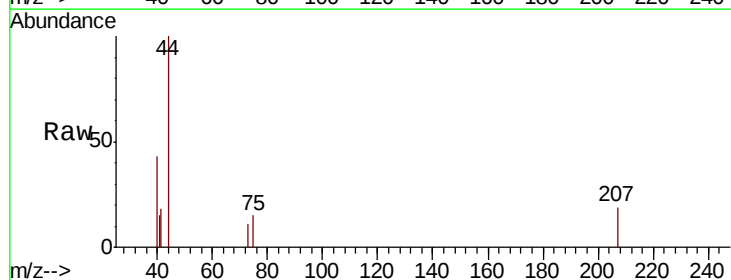
Tgt Ion: 75 Resp: 57

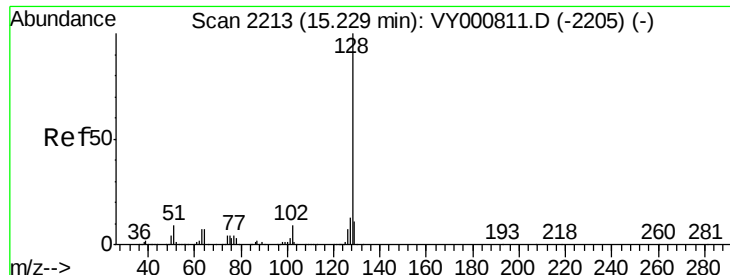
Ion Ratio Lower Upper

75 100

155 0.0 44.3 132.9#

157 0.0 56.3 168.9#





#95

Naphthalene

Concen: 1.882 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY000860.D

Acq: 04 Dec 2019 13:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(8-10)

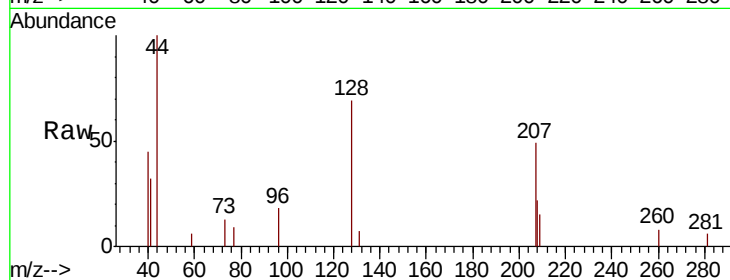
Tot Ion:128 Resp: 875

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 2.9 8.8 13.2#



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

