

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090618\
 Data File : VW005170.D
 Acq On : 06 Sep 2018 17:59
 Operator : SY/AP
 Sample : J4687-02RE
 Misc : 3.32G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-08-1.5-2RE

Quant Time: Sep 06 18:36:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	293398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	404104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	261973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	48820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	229052	94.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.36%	
35) Dibromofluoromethane	7.89	113	211464	90.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.10%	
50) Toluene-d8	10.33	98	545542	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.63	95	71922	18.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.92%	

Target Compounds

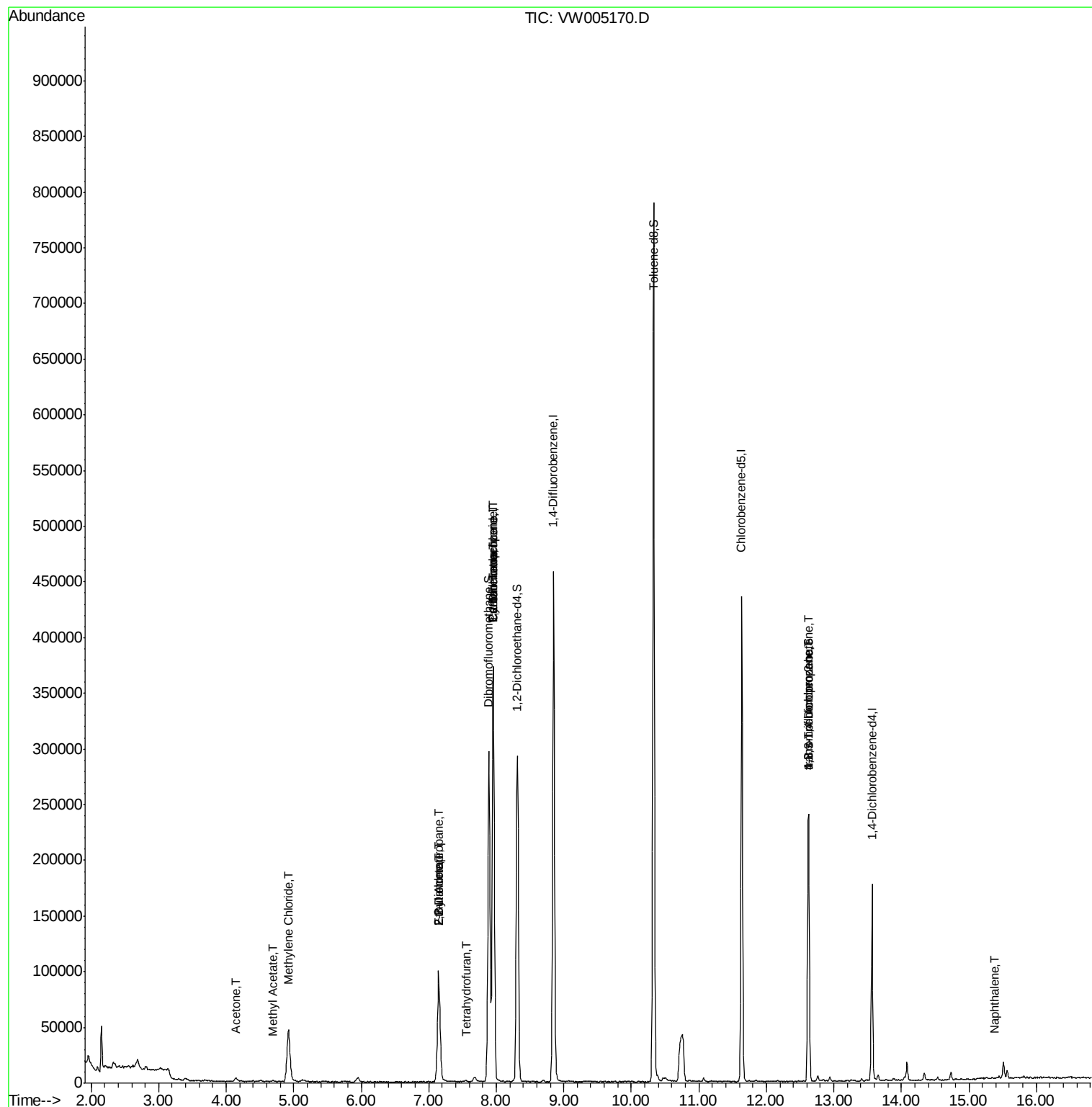
						Qvalue
5) Bromomethane	2.78	94	724	Below Cal	#	70
11) Tert butyl alcohol	5.14	59	1524	Below Cal	#	72
16) Acetone	4.14	43	5029	10.310	ug/l	97
18) Methyl Acetate	4.70	43	1923	1.340	ug/l #	88
20) Methylene Chloride	4.92	84	38806	8.550	ug/l	98
25) 2-Butanone	7.15	43	4769	5.637	ug/l #	67
26) 2,2-Dichloropropane	7.15	77	6976	1.740	ug/l #	51
29) Tetrahydrofuran	7.56	42	576	1.332	ug/l #	52
31) Cyclohexane	7.96	56	5431	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	21258	5.523	ug/l #	47
37) Ethyl Acetate	7.15	43	4769	3.313	ug/l #	1
38) Carbon Tetrachloride	7.96	117	26651	7.283	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	32996	90.041	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	32996	216.719	ug/l #	15
95) Naphthalene	15.38	128	662	4.326	ug/l #	69

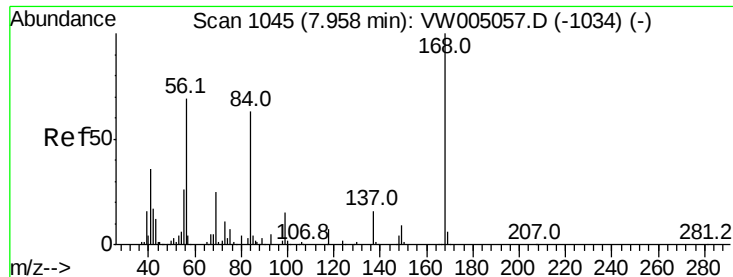
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

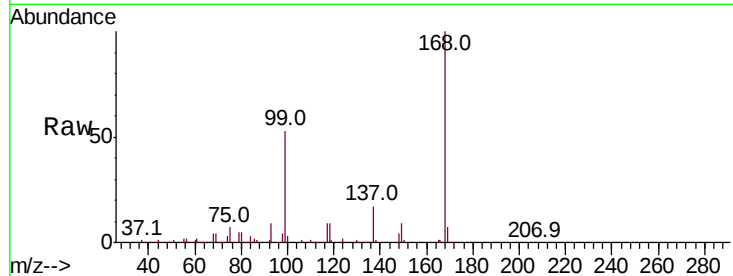
ENY-SB-08-1.5-2RE

Tot Ion:168 Resp: 293398

Ion Ratio Lower Upper

168 100

99 53.4 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

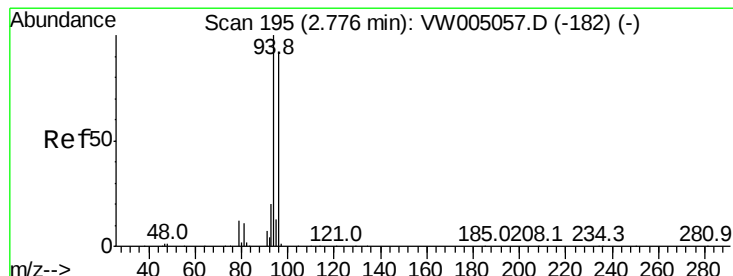
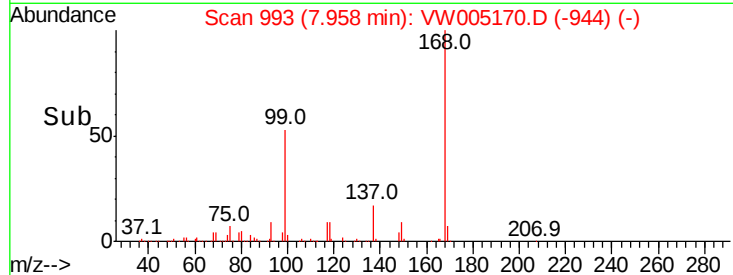
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW005170.D

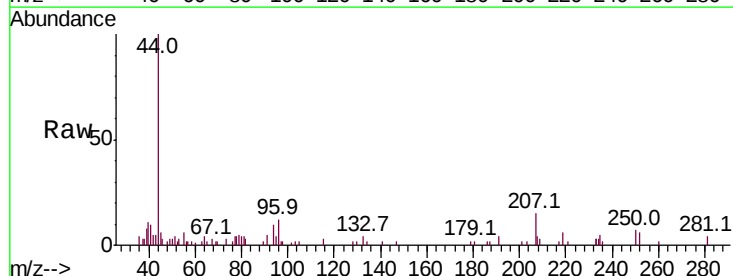
Acq: 06 Sep 2018 17:59

Tgt Ion: 94 Resp: 724

Ion Ratio Lower Upper

94 100

96 63.3 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

500

400

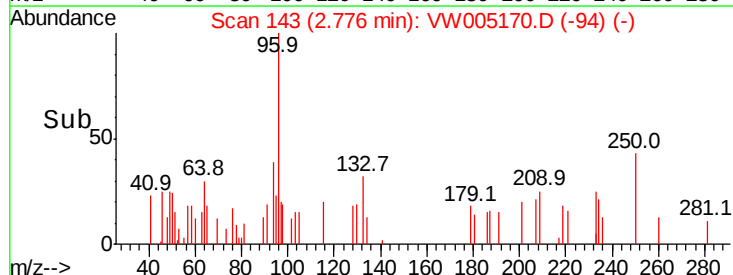
300

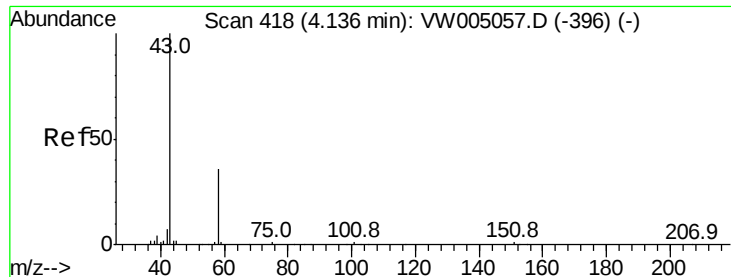
200

100

0

Time--> 2.70 2.75 2.80 2.85





#16

Acetone

Concen: 10.310 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

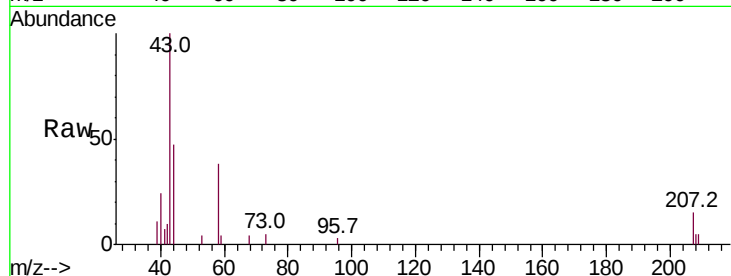
ENY-SB-08-1.5-2RE

Tot Ion: 43 Resp: 5029

Ion Ratio Lower Upper

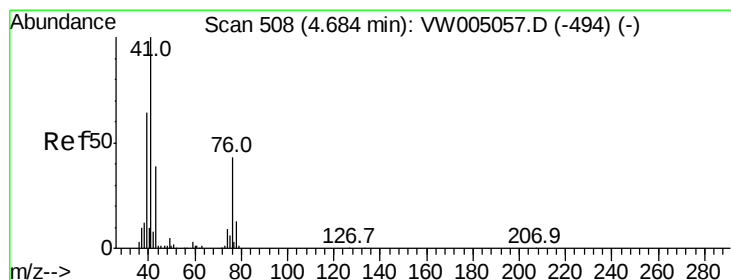
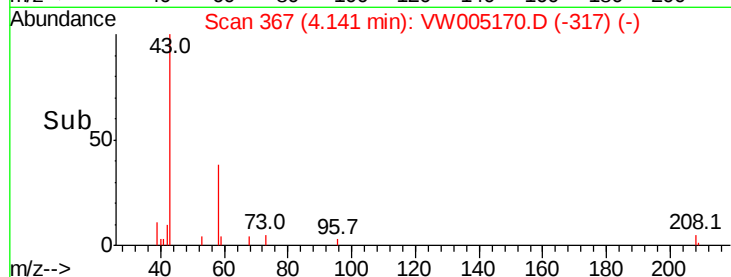
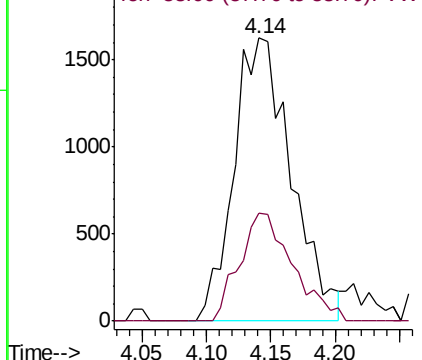
43 100

58 38.2 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.340 ug/l

RT: 4.70 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW005170.D

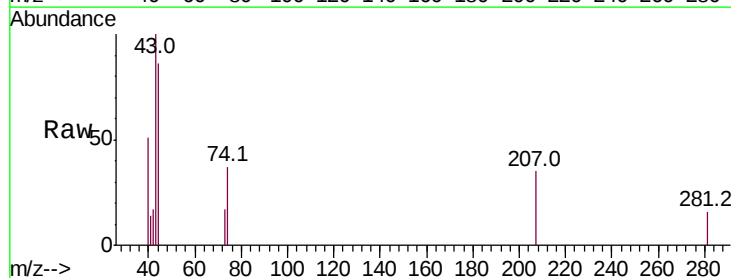
Acq: 06 Sep 2018 17:59

Tgt Ion: 43 Resp: 1923

Ion Ratio Lower Upper

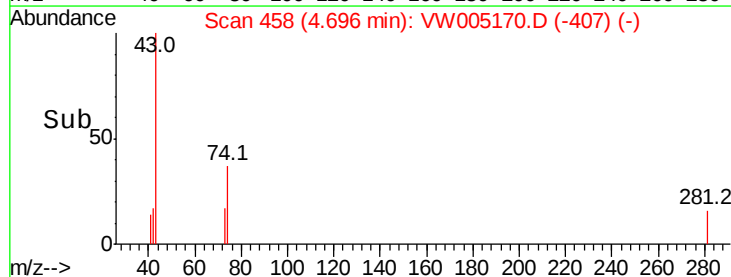
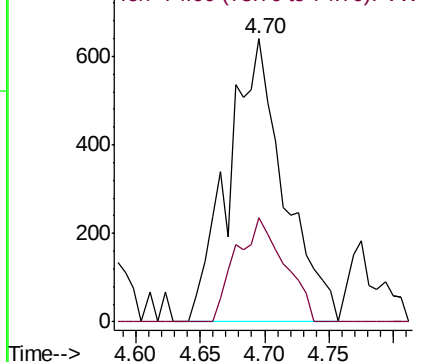
43 100

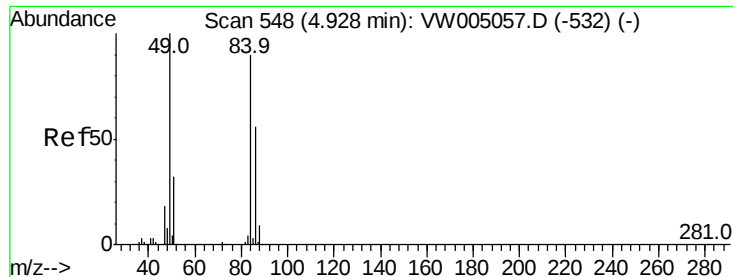
74 31.9 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 8.550 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-08-1.5-2RE

Tot Ion: 84 Resp: 38806

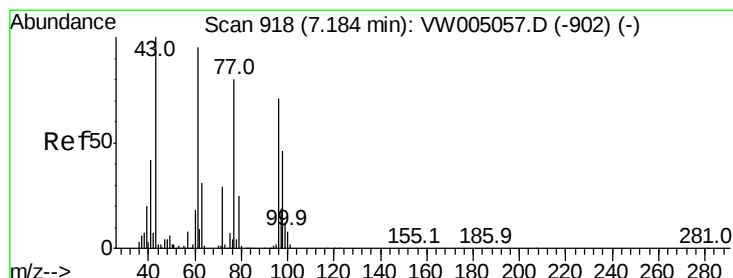
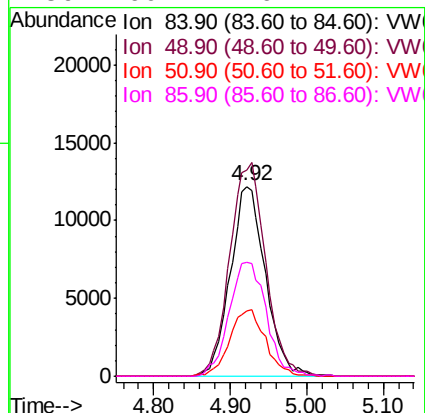
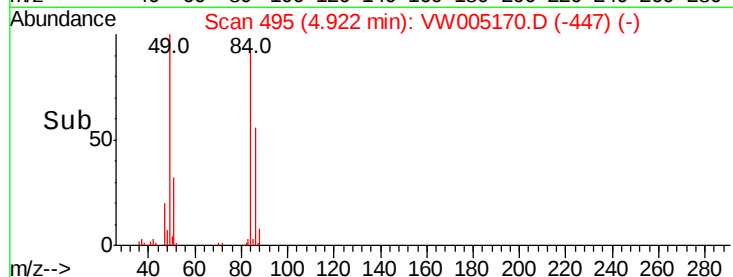
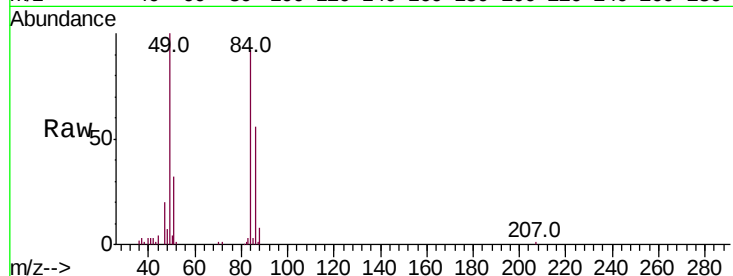
Ion Ratio Lower Upper

84 100

49 108.8 88.7 133.1

51 34.8 28.6 42.8

86 60.4 49.4 74.2



#25

2-Butanone

Concen: 5.637 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW005170.D

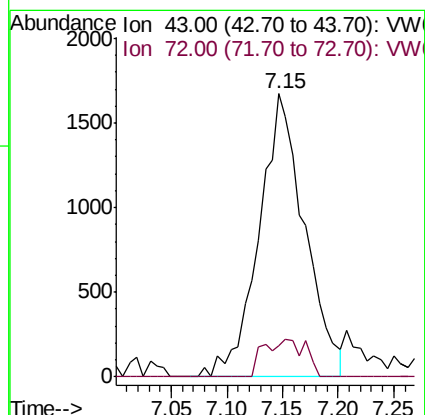
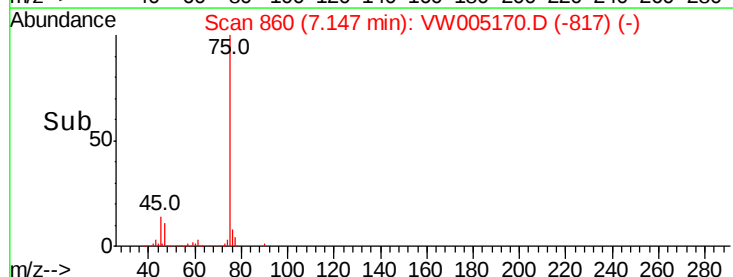
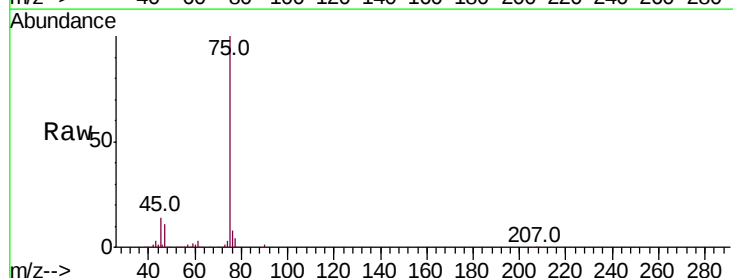
Acq: 06 Sep 2018 17:59

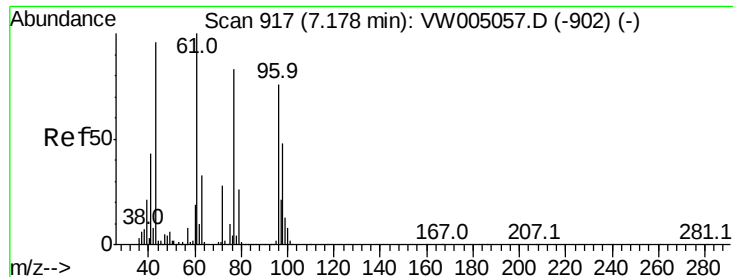
Tgt Ion: 43 Resp: 4769

Ion Ratio Lower Upper

43 100

72 11.1 23.1 34.7#





#26

2,2-Dichloropropane

Concen: 1.740 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

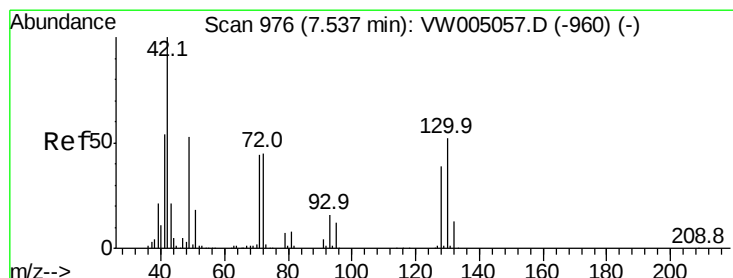
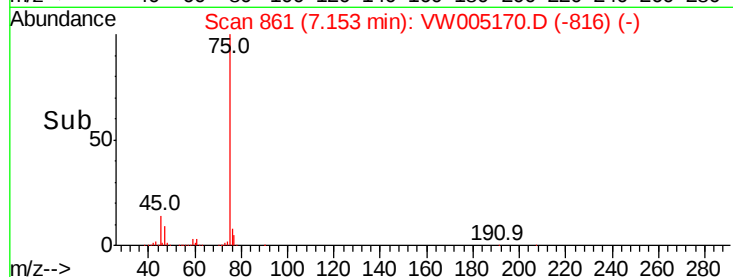
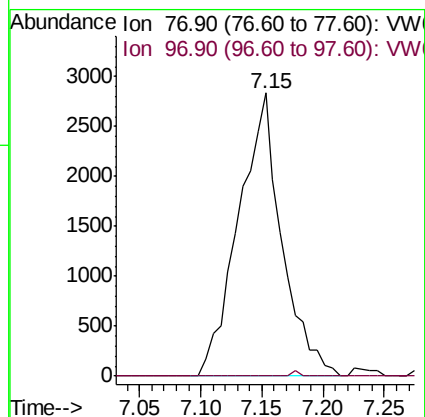
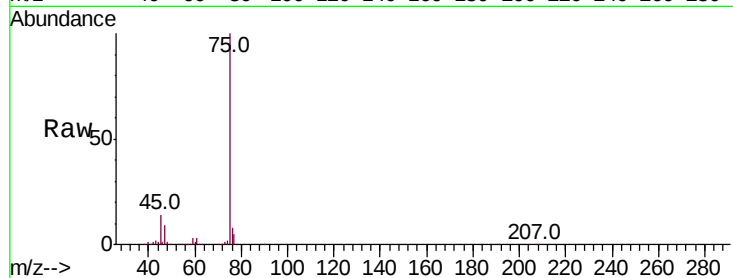
ENY-SB-08-1.5-2RE

Tot Ion: 77 Resp: 6976

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.6#



#29

Tetrahydrofuran

Concen: 1.332 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

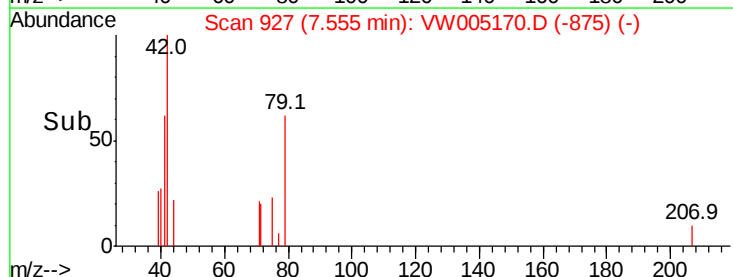
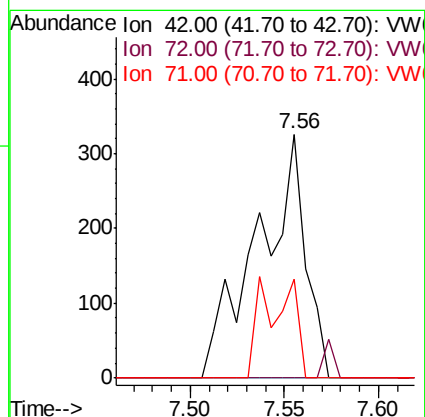
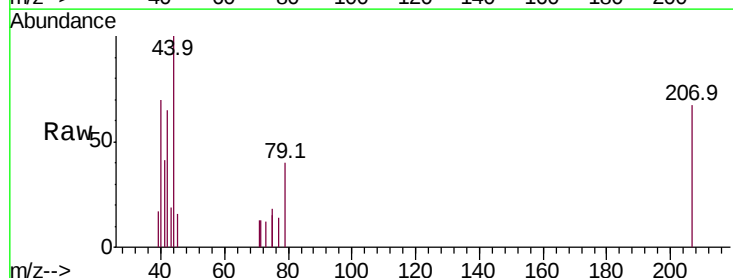
Tgt Ion: 42 Resp: 576

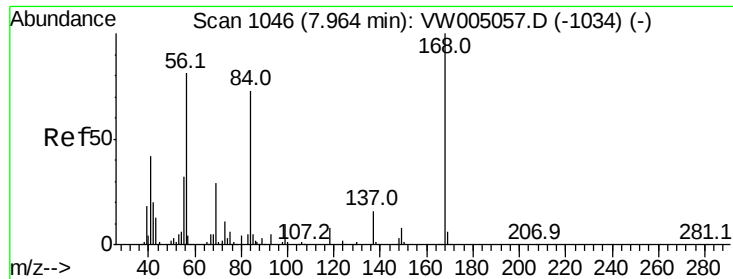
Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

71 27.1 35.0 52.6#

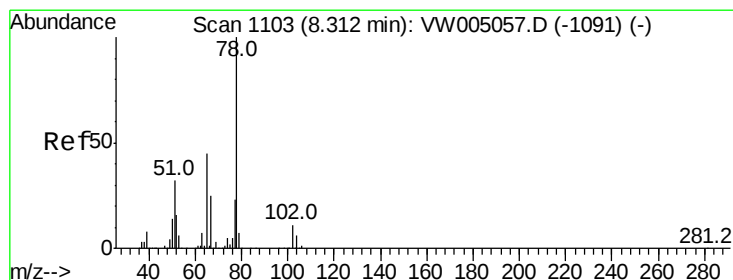
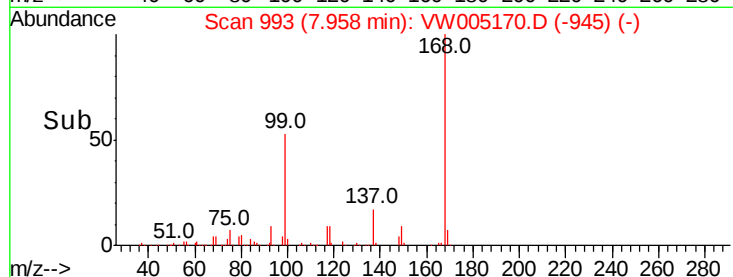
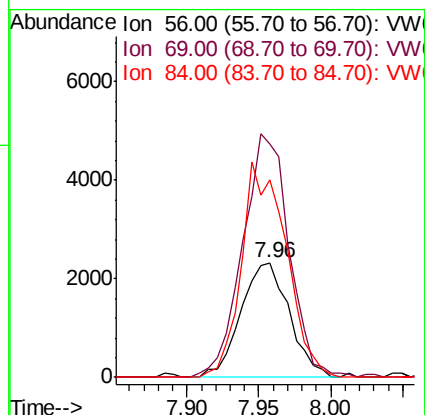
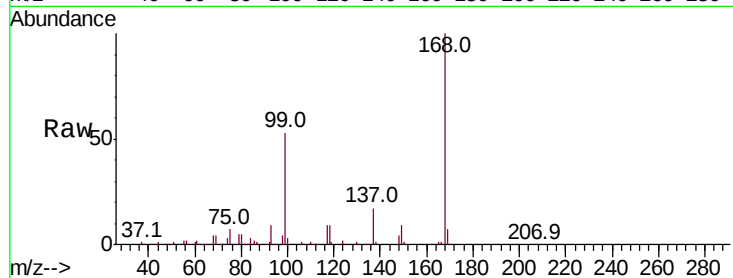




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005170.D
Acq: 06 Sep 2018 17:59

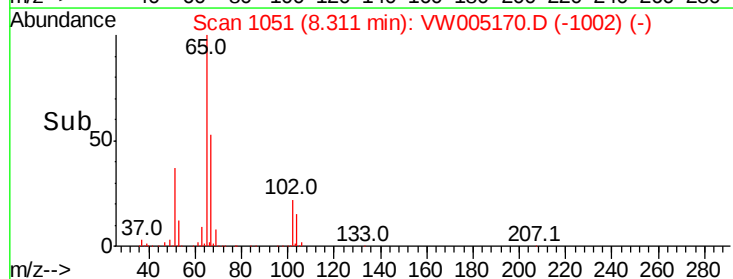
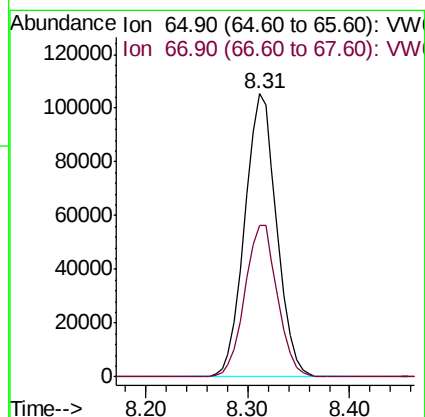
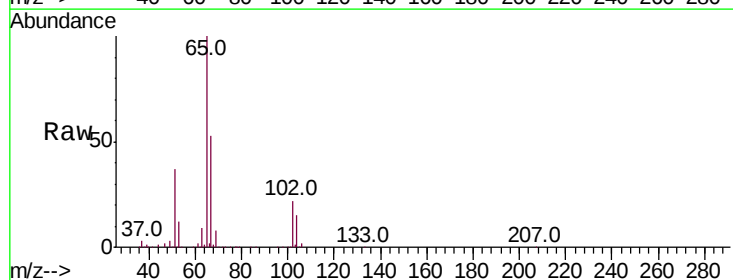
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-08-1.5-2RE

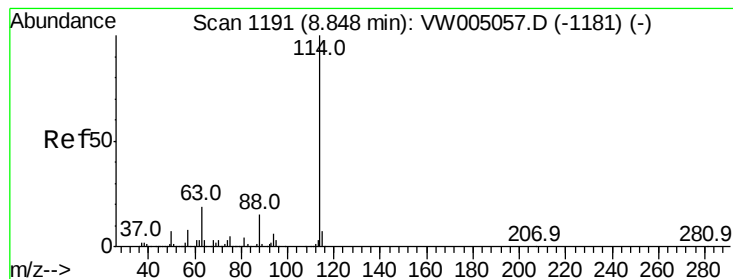
Tot Ion: 56 Resp: 5431
Ion Ratio Lower Upper
56 100
69 203.5 28.2 42.2#
84 172.0 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 94.177 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005170.D
Acq: 06 Sep 2018 17:59

Tgt Ion: 65 Resp: 229052
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-08-1.5-2RE

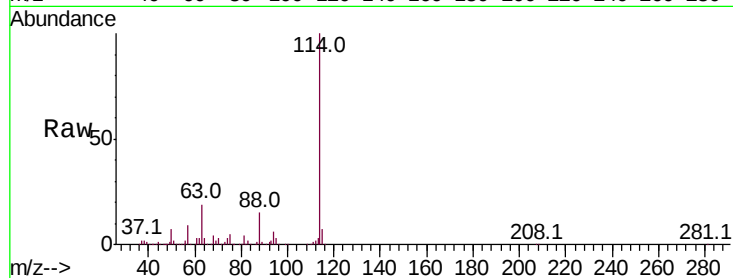
Tot Ion:114 Resp: 404104

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

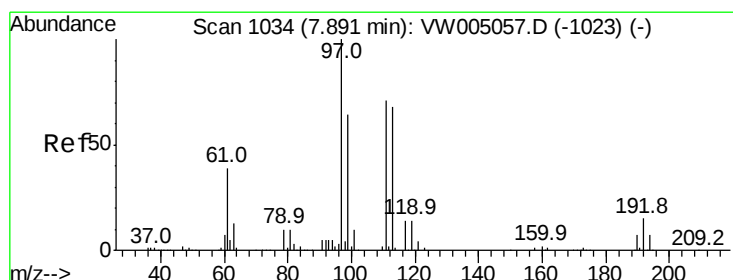
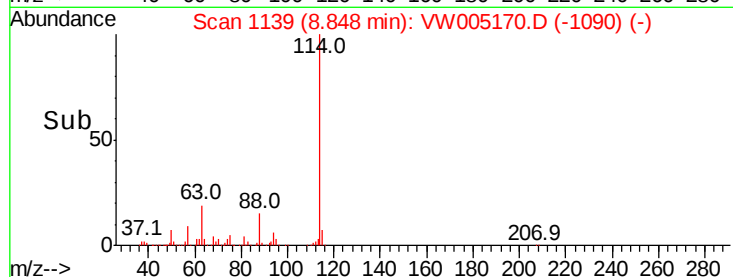
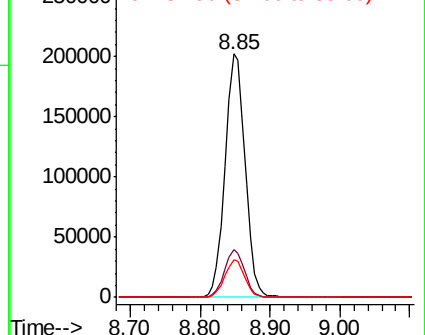
88 15.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 90.553 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

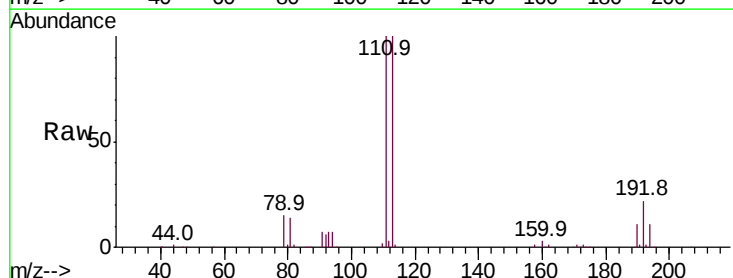
Tgt Ion:113 Resp: 211464

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

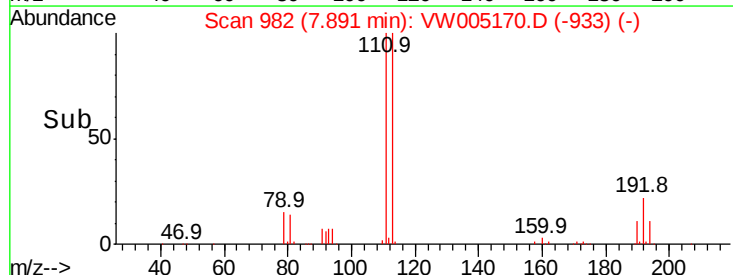
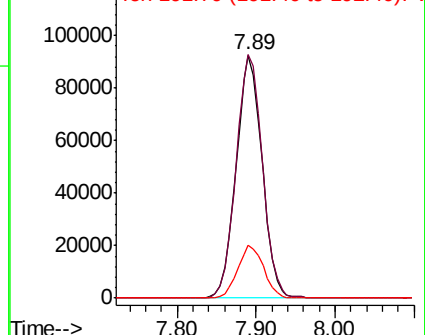
192 21.7 18.1 27.1

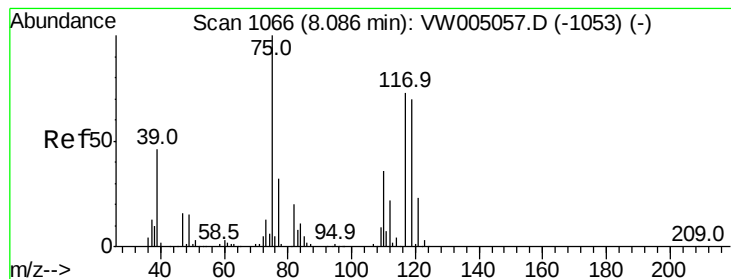


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.523 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-08-1.5-2RE

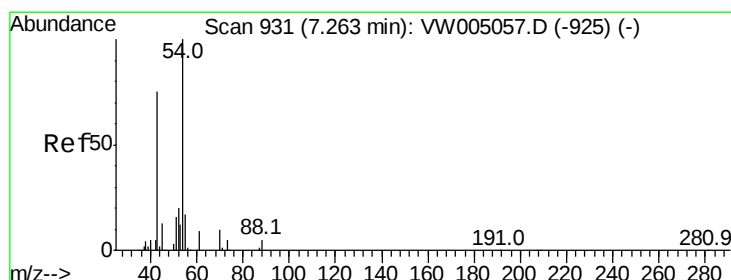
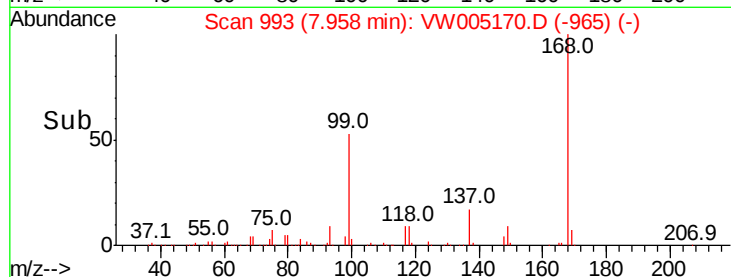
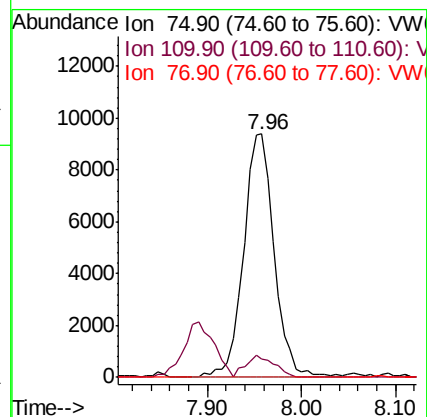
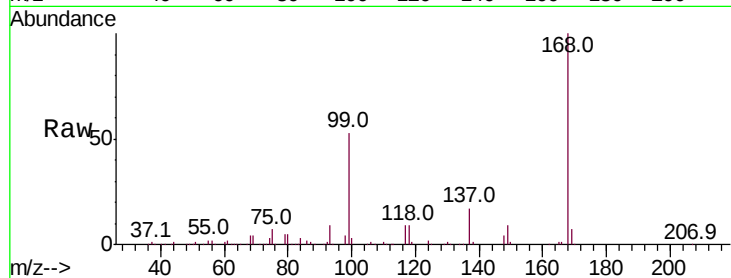
Tot Ion: 75 Resp: 21258

Ion Ratio Lower Upper

75 100

110 8.6 18.9 56.7#

77 0.0 25.5 38.3#



#37

Ethyl Acetate

Concen: 3.313 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.12 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

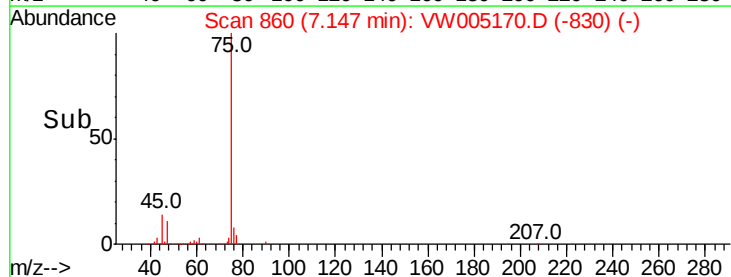
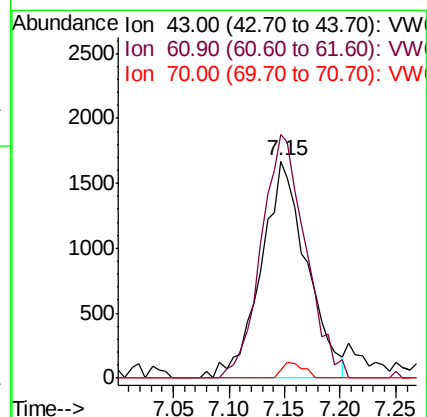
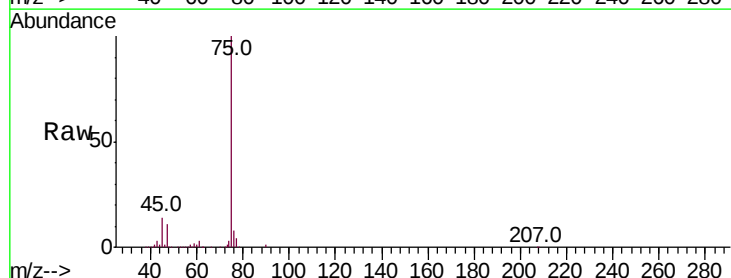
Tgt Ion: 43 Resp: 4769

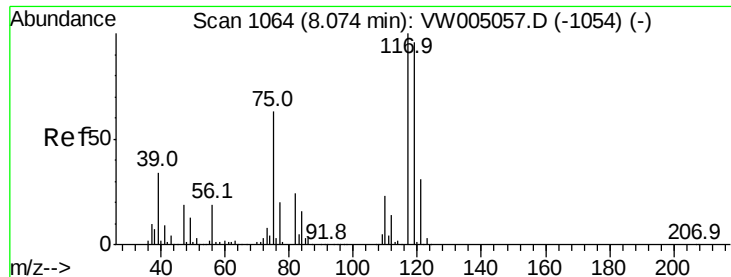
Ion Ratio Lower Upper

43 100

61 108.8 12.1 18.1#

70 3.4 9.4 14.2#





#38

Carbon Tetrachloride

Concen: 7.283 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-08-1.5-2RE

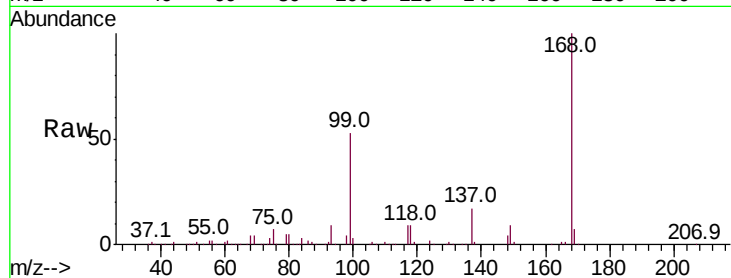
Tot Ion:117 Resp: 26651

Ion Ratio Lower Upper

117 100

119 7.2 76.6 115.0#

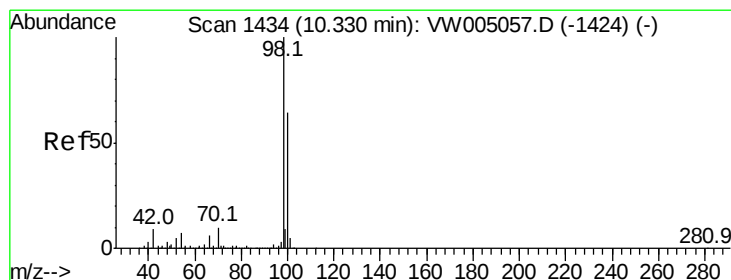
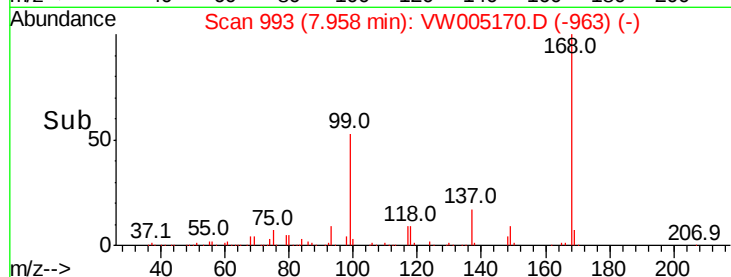
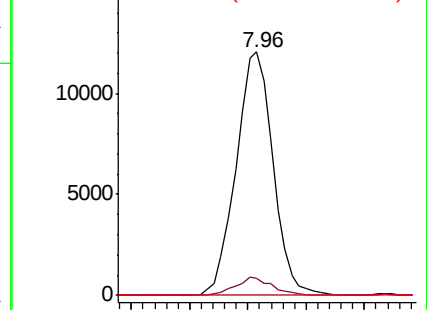
121 0.0 24.8 37.2#



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: 50.699 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005170.D

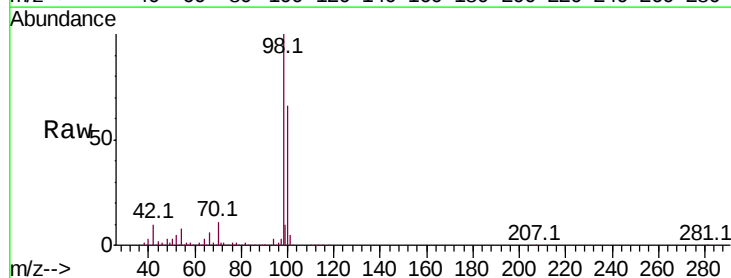
Acq: 06 Sep 2018 17:59

Tgt Ion: 98 Resp: 545542

Ion Ratio Lower Upper

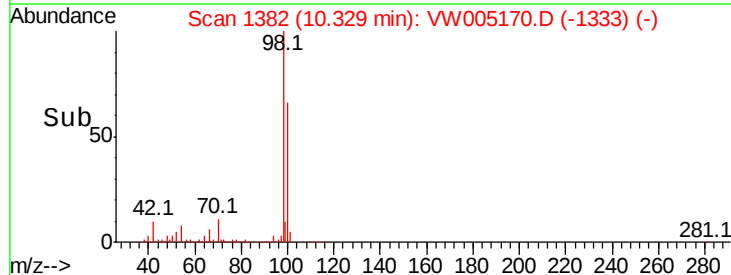
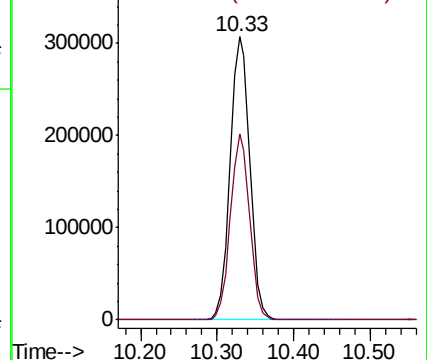
98 100

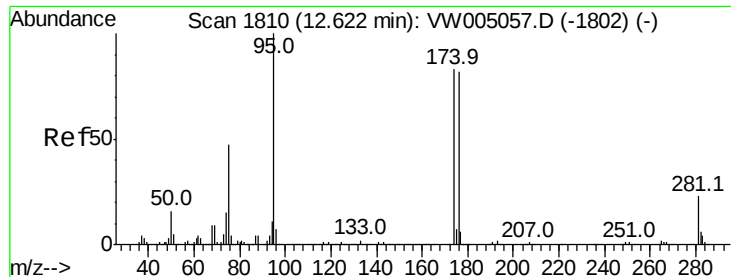
100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

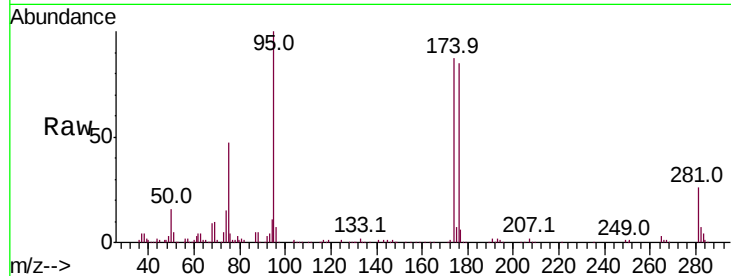




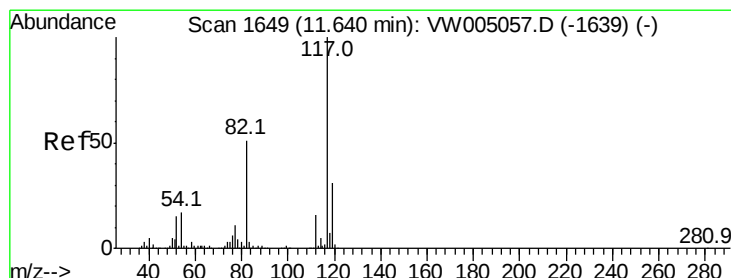
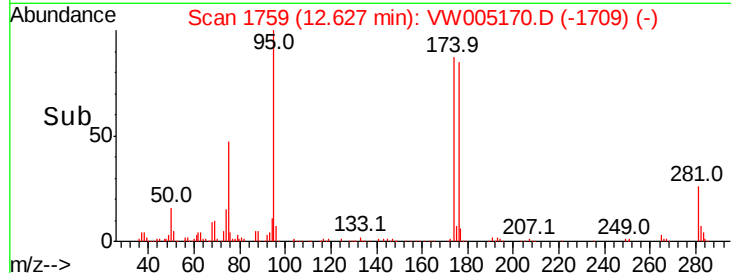
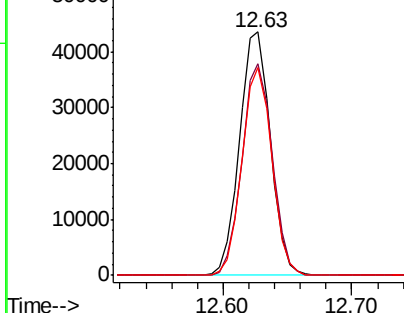
#62
4-Bromofluorobenzene
Concen: 18.956 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005170.D
Acq: 06 Sep 2018 17:59

Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-08-1.5-2RE

Tot Ion: 95 Resp: 71922
Ion Ratio Lower Upper
95 100
174 85.3 0.0 173.4
176 82.5 0.0 167.4

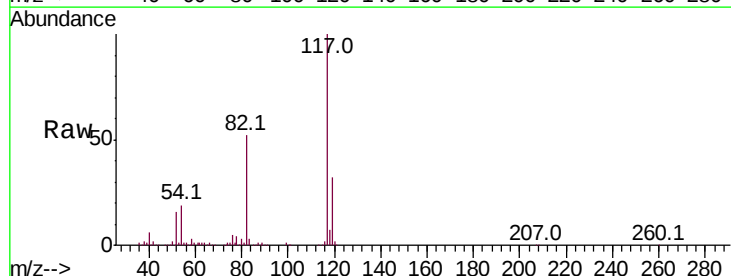


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

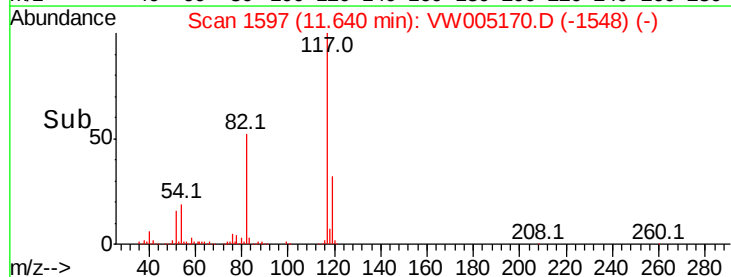
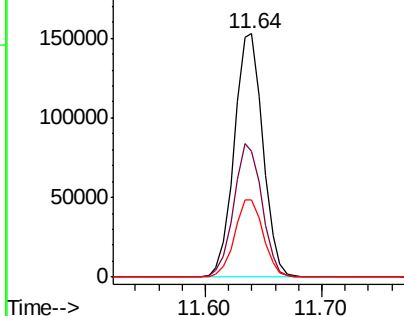


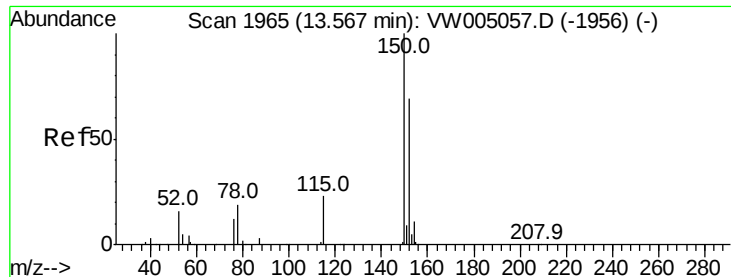
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005170.D
Acq: 06 Sep 2018 17:59

Tgt Ion: 117 Resp: 261973
Ion Ratio Lower Upper
117 100
82 51.5 40.9 61.3
119 31.8 24.9 37.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V



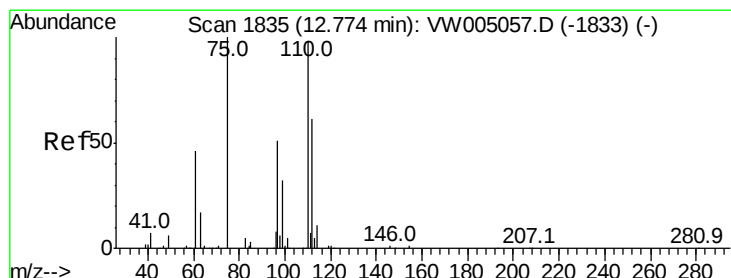
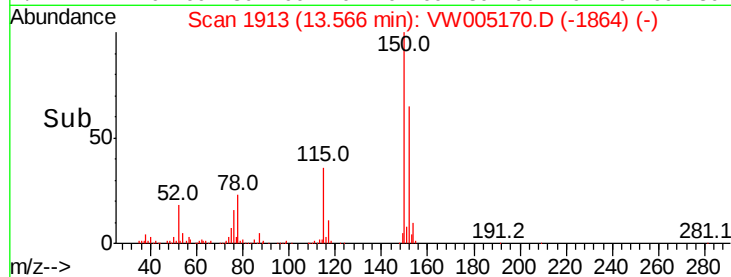
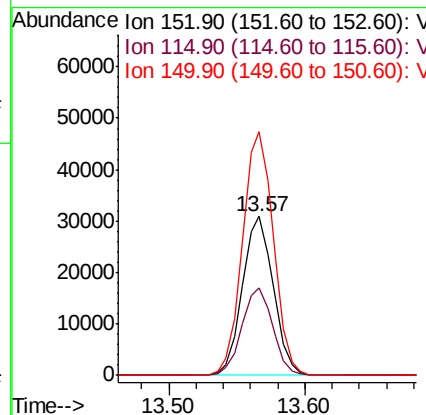
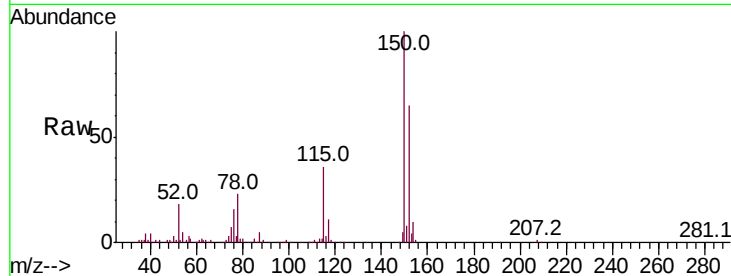


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005170.D
Acq: 06 Sep 2018 17:59

Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-08-1.5-2RE

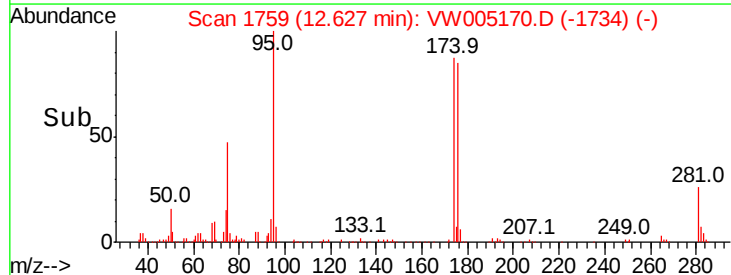
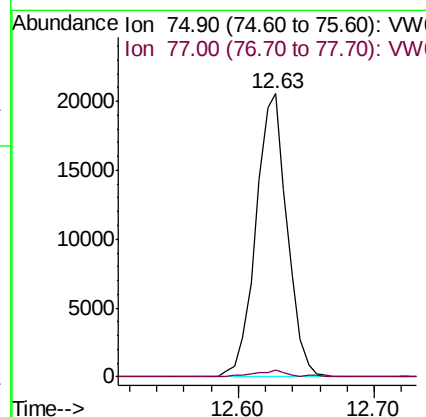
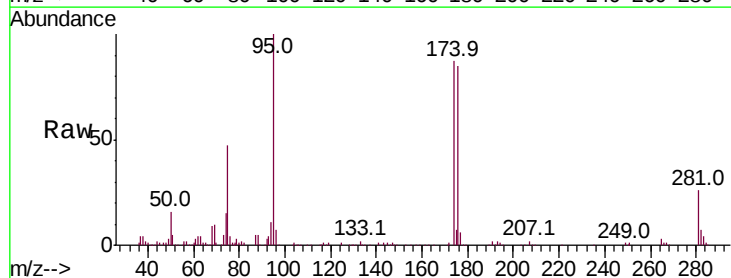
Tot Ion:152 Resp: 48820
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.4
150 153.9 0.0 351.4

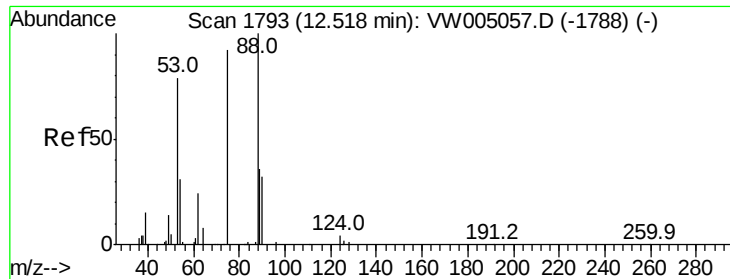


#76

1,2,3-Trichloropropane
Concen: 90.041 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.15 min
Lab File: VW005170.D
Acq: 06 Sep 2018 17:59

Tgt Ion: 75 Resp: 32996
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 216.719 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-08-1.5-2RE

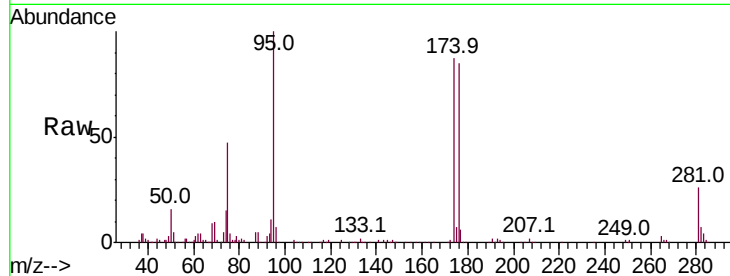
Tot Ion: 75 Resp: 32996

Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.8#

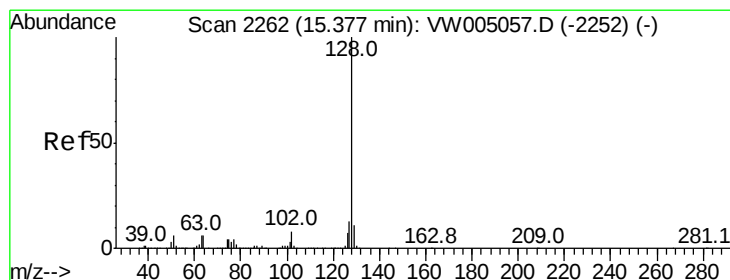
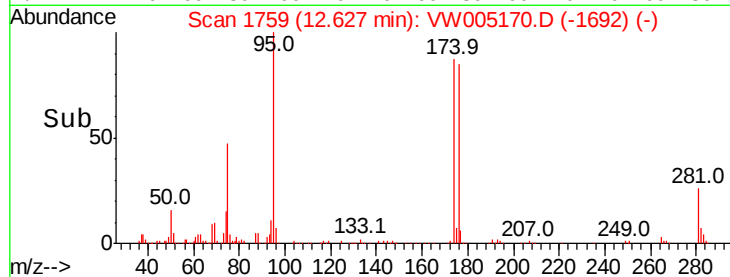
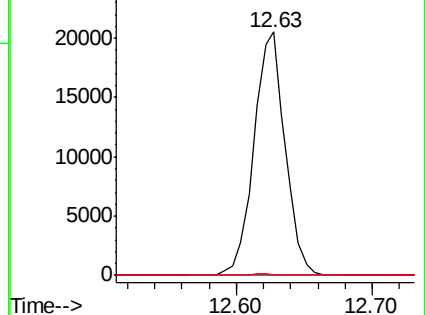
89 0.5 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.326 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW005170.D

Acq: 06 Sep 2018 17:59

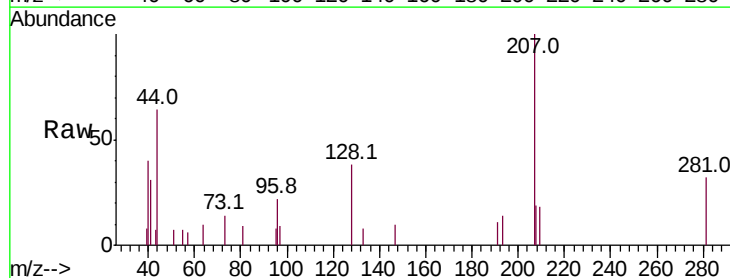
Tgt Ion: 128 Resp: 662

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



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

