

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
 Data File : VW005296.D
 Acq On : 12 Sep 2018 02:06
 Operator : SY/AP
 Sample : J4776-01
 Misc : 6.84G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-090718-A

Quant Time: Sep 12 06:46:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	425733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	653125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	115769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	154081	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	185423	58.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.78%	
35) Dibromofluoromethane	7.89	113	157172	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
50) Toluene-d8	10.33	98	72996	4.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.44%	
62) 4-Bromofluorobenzene	12.62	95	140943	22.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.58%	

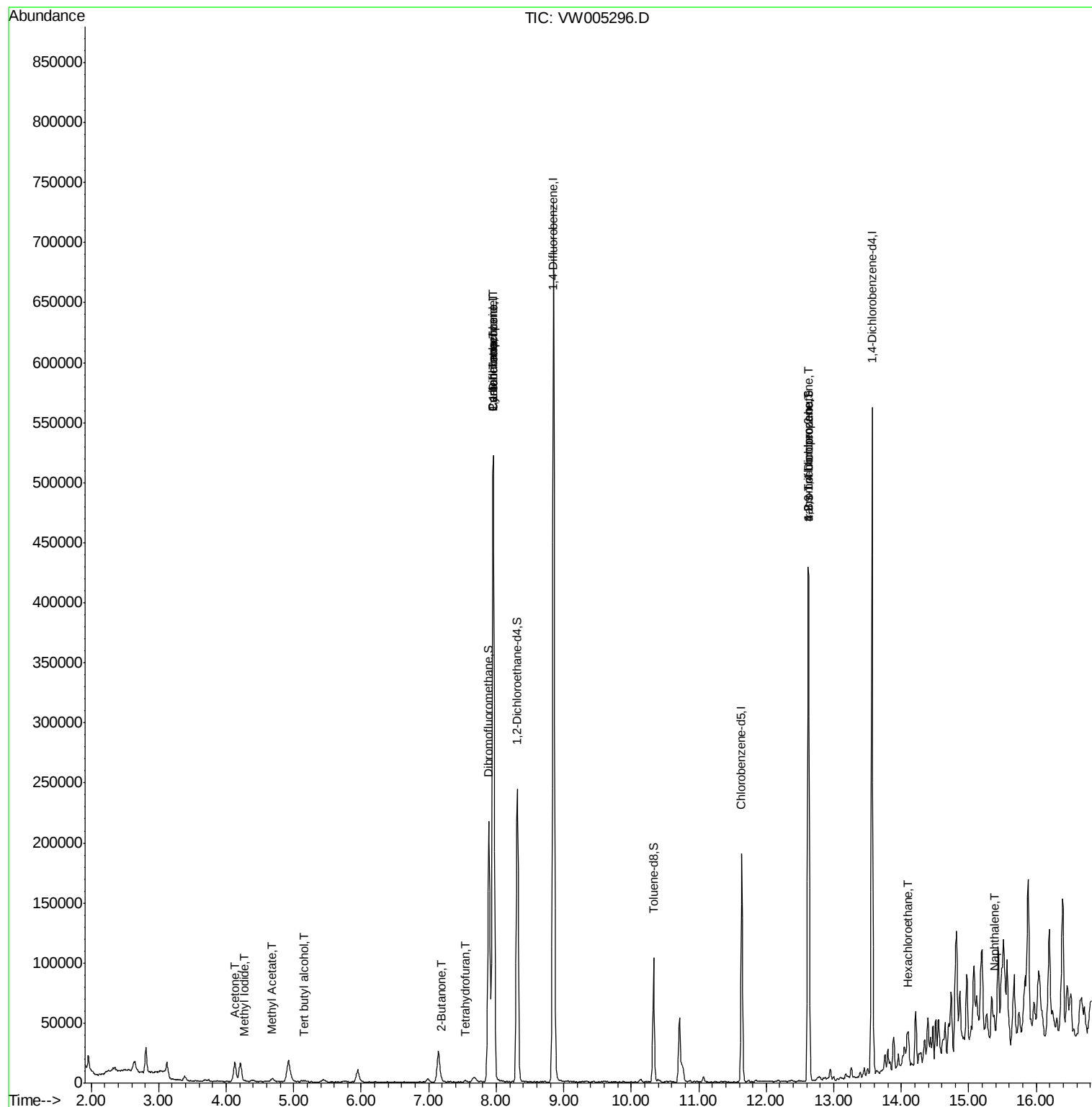
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	815	Below Cal		86
10) Methyl Iodide	4.28	142	974	3.527	ug/l #	90
11) Tert butyl alcohol	5.15	59	1939	7.446	ug/l #	73
16) Acetone	4.12	43	27627	46.873	ug/l	100
18) Methyl Acetate	4.68	43	5449	3.097	ug/l	94
20) Methylene Chloride	4.92	84	13262	Below Cal		94
25) 2-Butanone	7.19	43	1778	1.912	ug/l #	87
29) Tetrahydrofuran	7.54	42	817	1.304	ug/l #	86
31) Cyclohexane	7.95	56	7364	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	28695	4.796	ug/l #	47
38) Carbon Tetrachloride	7.96	117	37400	6.672	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	65276	55.080	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65276	129.175	ug/l #	16
90) Hexachloroethane	14.10	117	1877	1.136	ug/l #	5
95) Naphthalene	15.38	128	6805	1.253	ug/l #	82

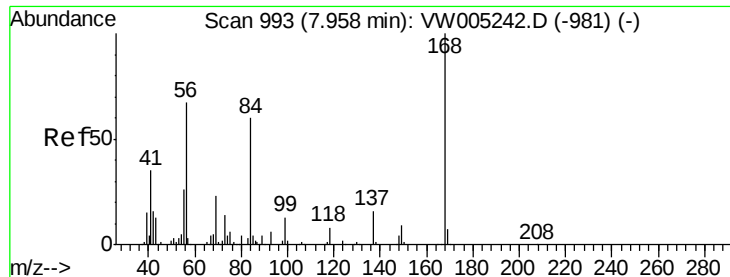
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA_W

ClientSampleId :

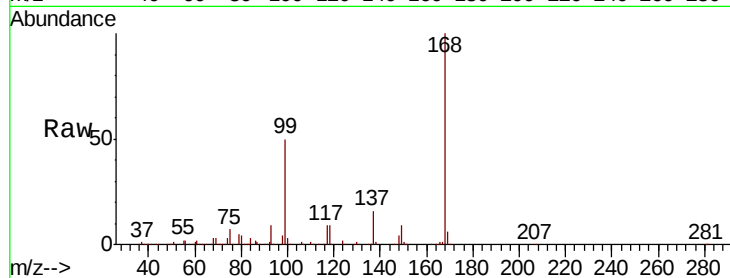
EO-02-090718-A

Tgt Ion:168 Resp: 425733

Ion Ratio Lower Upper

168 100

99 49.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

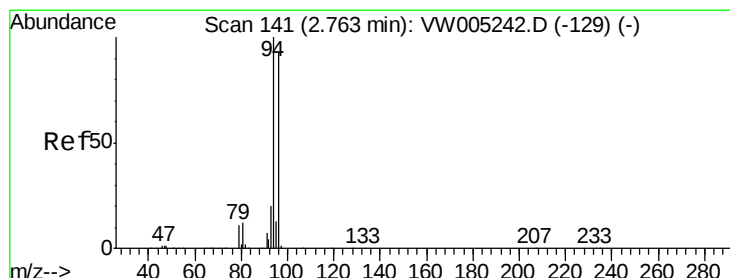
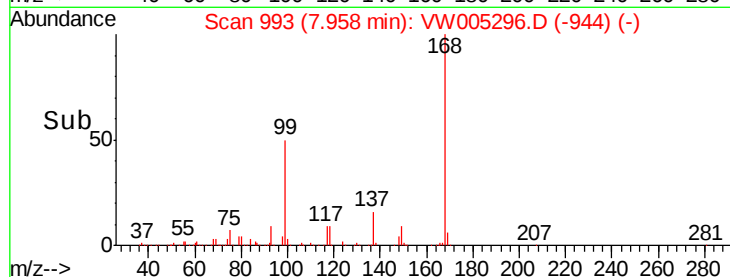
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW005296.D

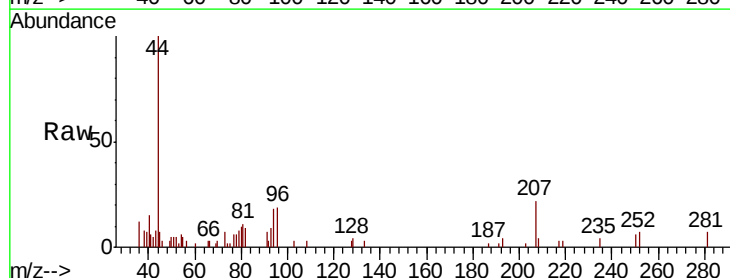
Acq: 12 Sep 2018 02:06

Tgt Ion: 94 Resp: 815

Ion Ratio Lower Upper

94 100

96 79.3 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

500

400

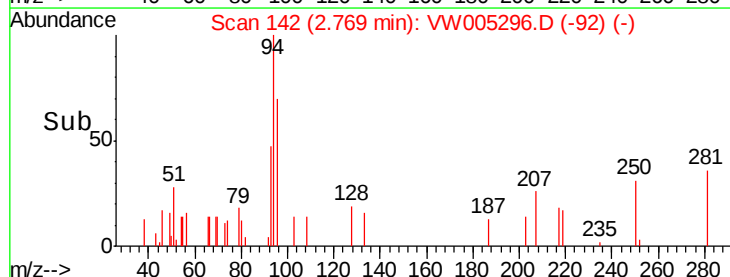
300

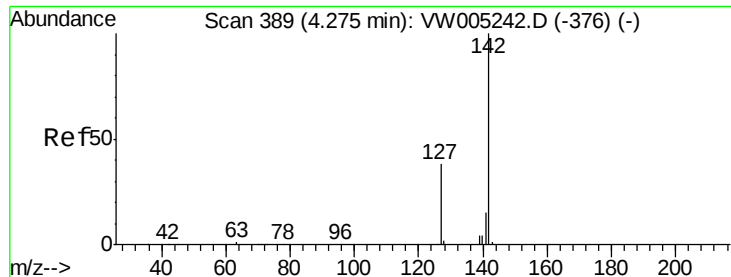
200

100

0

Time--> 2.70 2.75 2.80 2.85

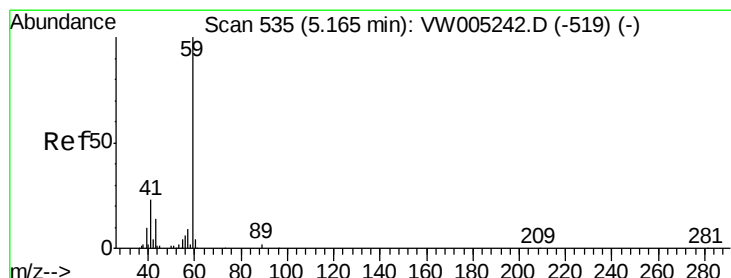
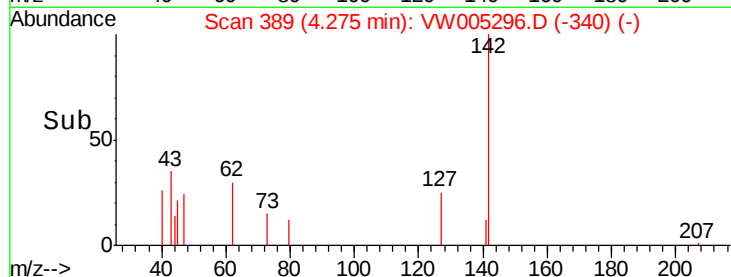
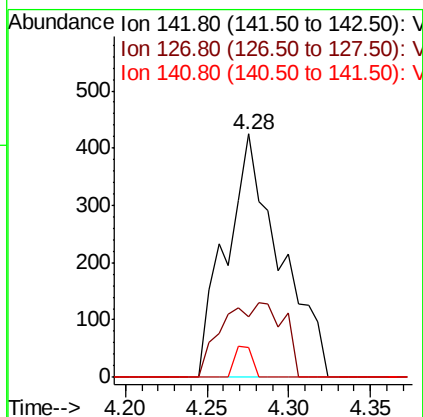
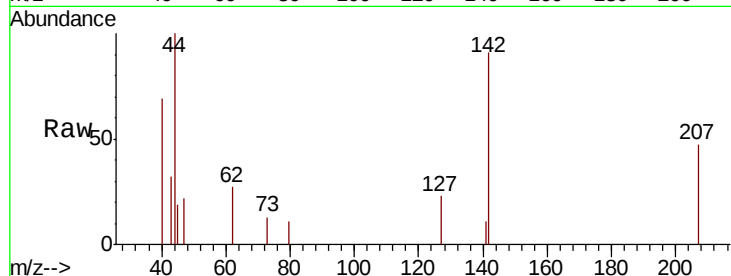




#10
Methyl Iodide
Concen: 3.527 ug/l
RT: 4.28 min Scan# 389
Delta R.T. 0.00 min
Lab File: VW005296.D
Acq: 12 Sep 2018 02:06

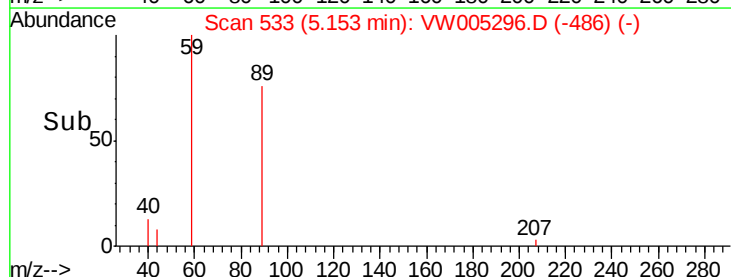
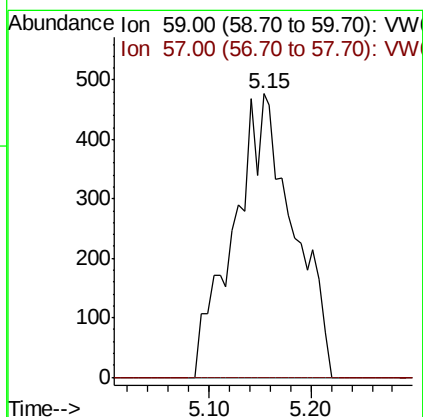
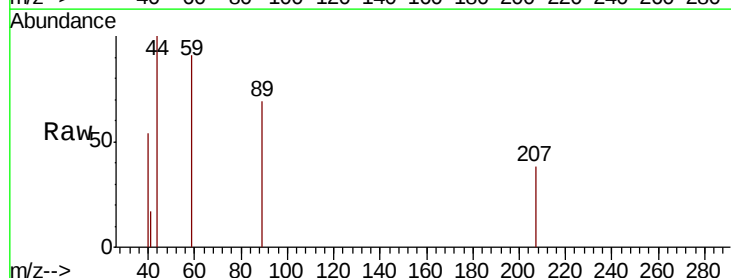
Instrument :
MSVOA_W
ClientSampleId :
EO-02-090718-A

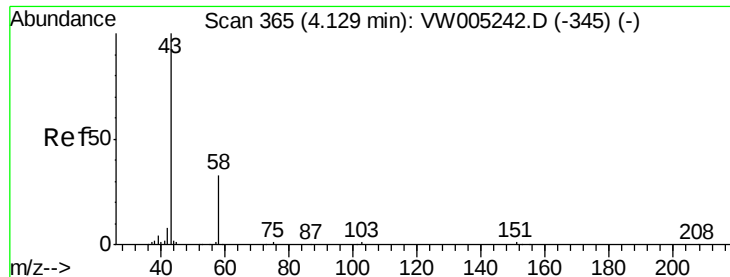
Tgt Ion: 142 Resp: 974
Ion Ratio Lower Upper
142 100
127 35.0 30.3 45.5
141 4.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.446 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW005296.D
Acq: 12 Sep 2018 02:06

Tgt Ion: 59 Resp: 1939
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 46.873 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA_W

ClientSampleId :

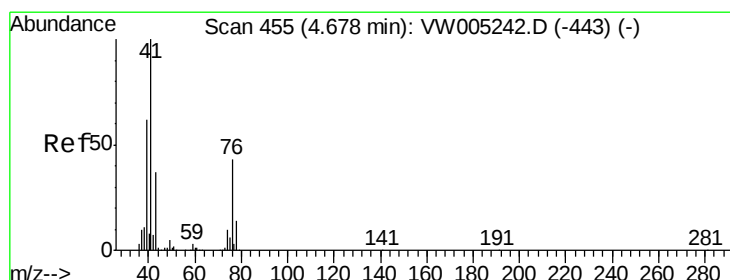
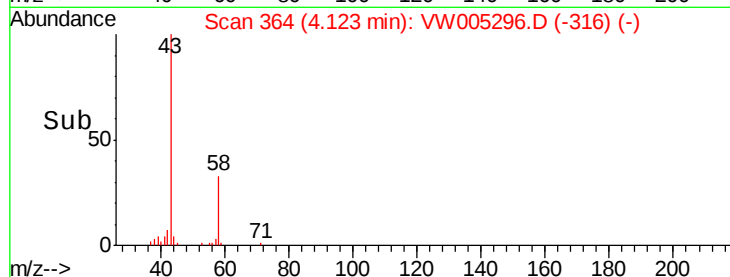
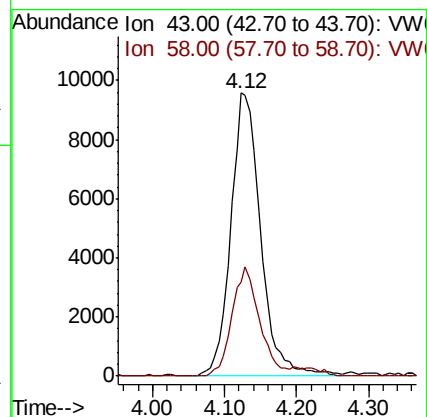
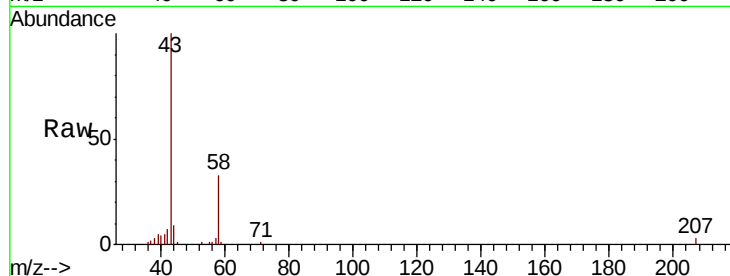
EO-02-090718-A

Tgt Ion: 43 Resp: 27627

Ion Ratio Lower Upper

43 100

58 33.4 26.7 40.1



#18

Methyl Acetate

Concen: 3.097 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW005296.D

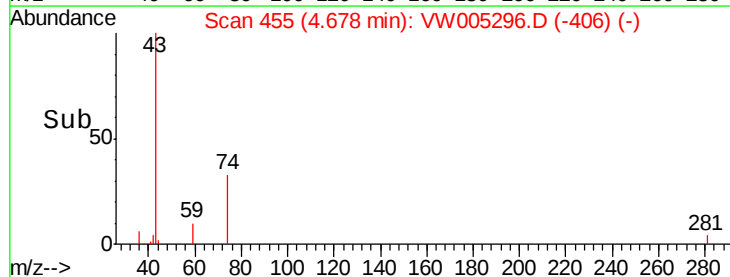
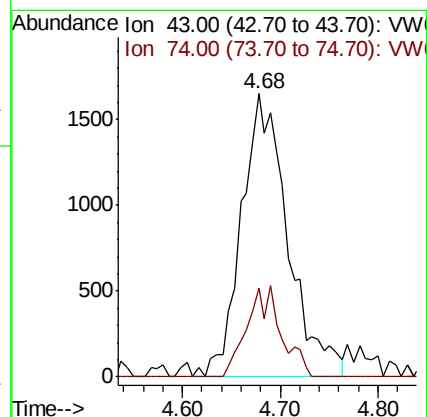
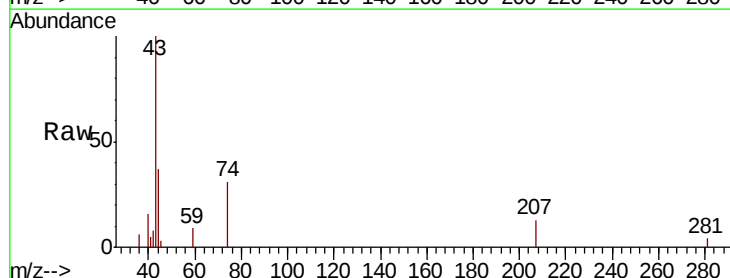
Acq: 12 Sep 2018 02:06

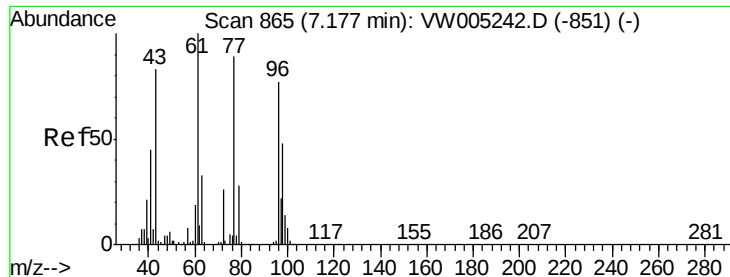
Tgt Ion: 43 Resp: 5449

Ion Ratio Lower Upper

43 100

74 23.6 21.4 32.2





#25

2-Butanone

Concen: 1.912 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA_W

ClientSampleId :

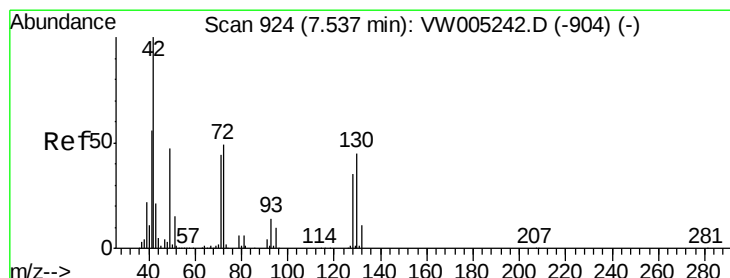
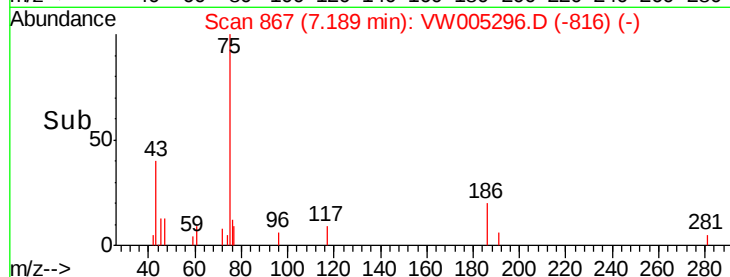
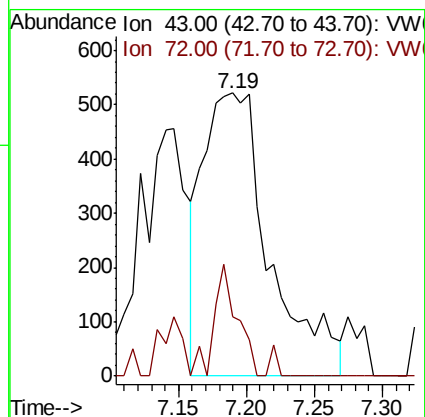
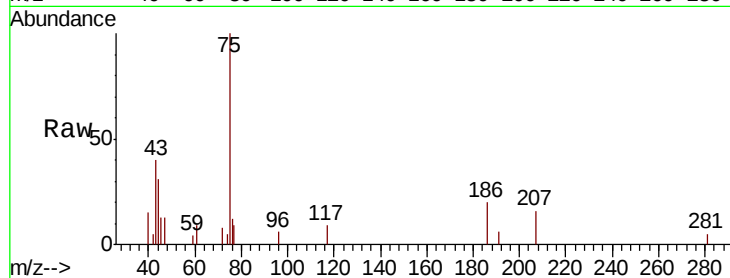
EO-02-090718-A

Tgt Ion: 43 Resp: 1778

Ion Ratio Lower Upper

43 100

72 24.1 25.0 37.6#



#29

Tetrahydrofuran

Concen: 1.304 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

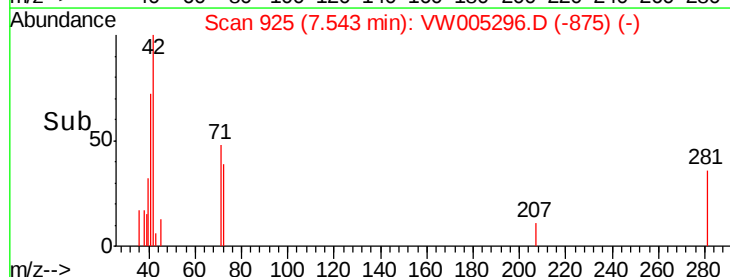
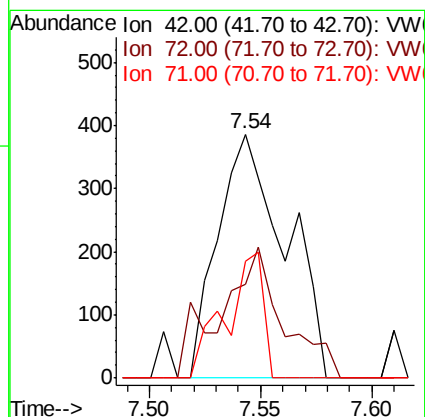
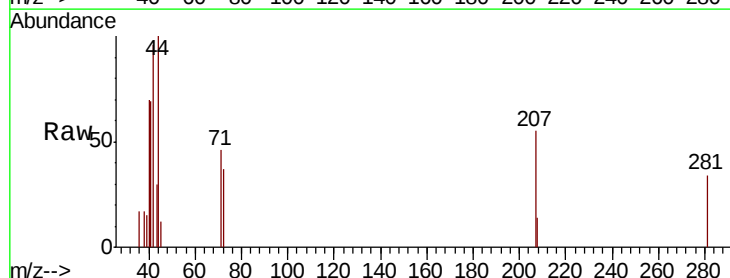
Tgt Ion: 42 Resp: 817

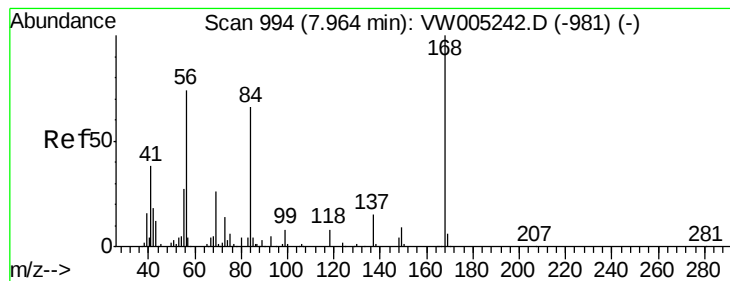
Ion Ratio Lower Upper

42 100

72 50.1 37.5 56.3

71 28.5 34.8 52.2#





#31

Cyclohexane

Concen: 1.084 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA_W

ClientSampleId :

EO-02-090718-A

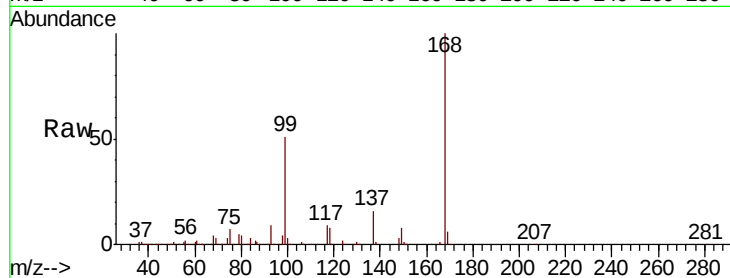
Tgt Ion: 56 Resp: 7364

Ion Ratio Lower Upper

56 100

69 178.2 27.8 41.8#

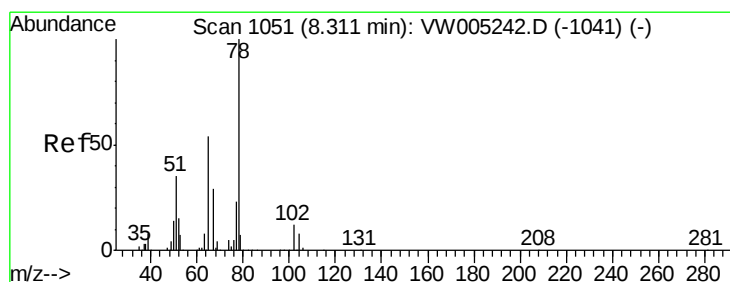
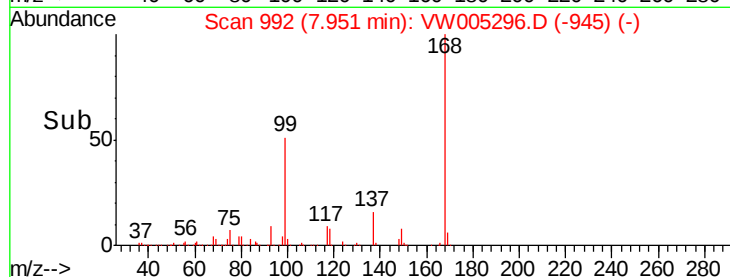
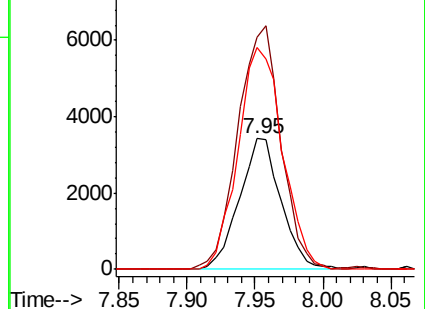
84 170.3 72.1 108.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 58.394 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005296.D

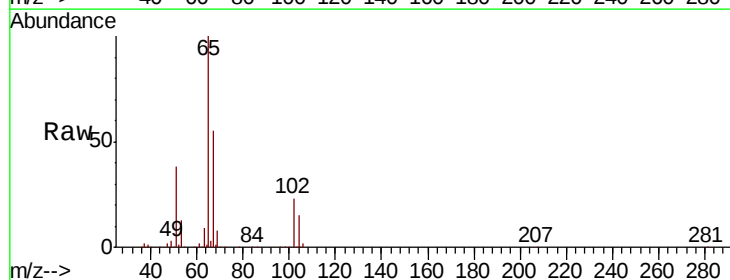
Acq: 12 Sep 2018 02:06

Tgt Ion: 65 Resp: 185423

Ion Ratio Lower Upper

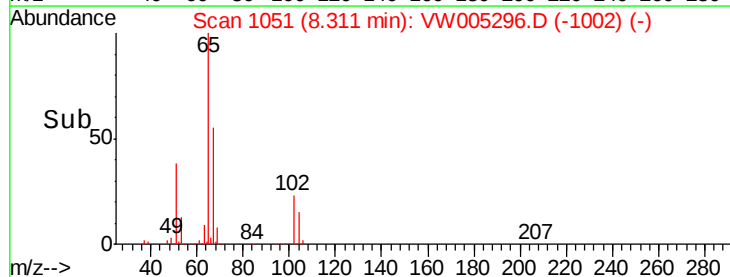
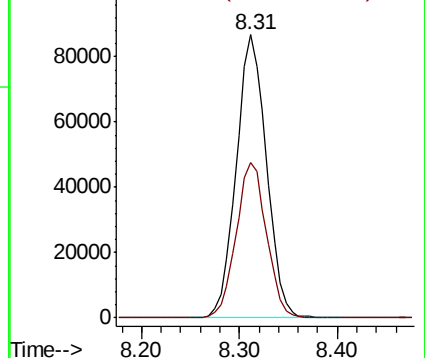
65 100

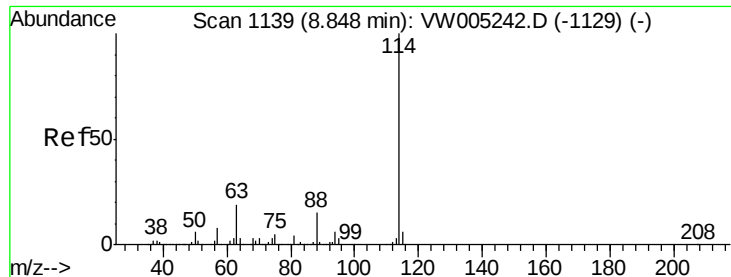
67 55.3 0.0 112.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

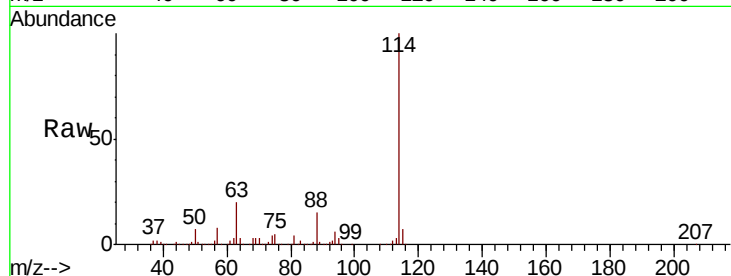




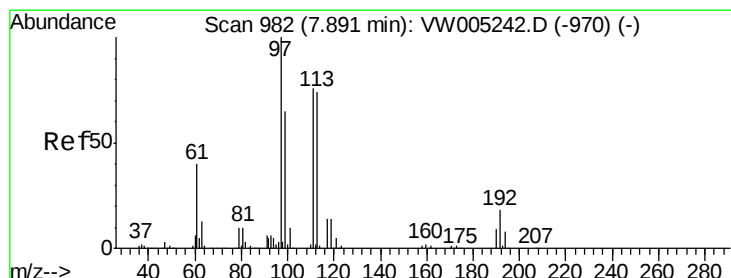
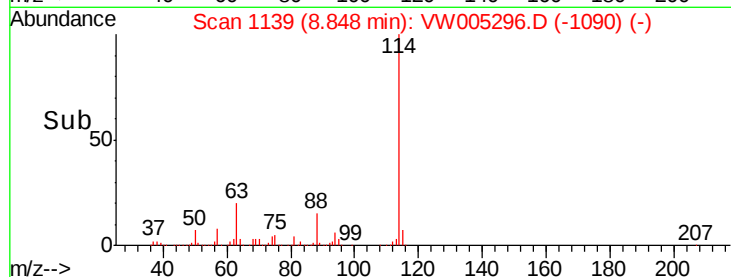
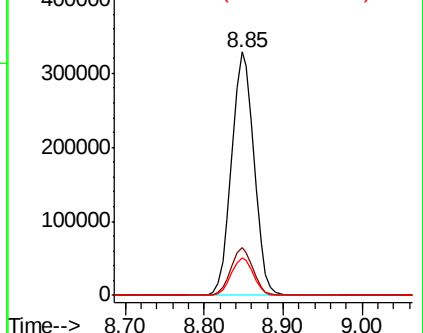
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005296.D
 Acq: 12 Sep 2018 02:06

Instrument :
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 EO-02-090718-A

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	37.0
88	15.4	0.0	30.4

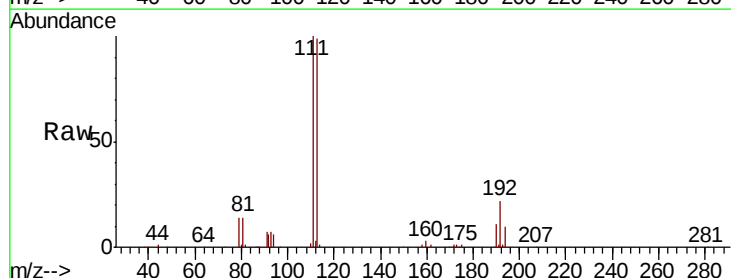


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

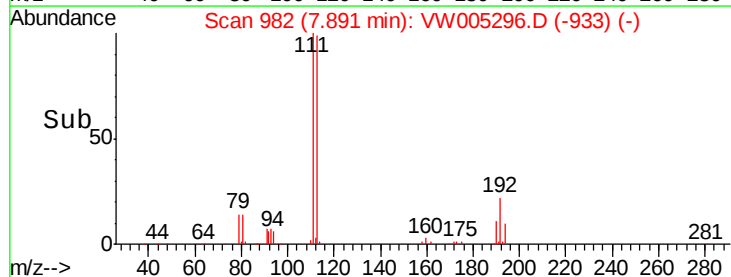
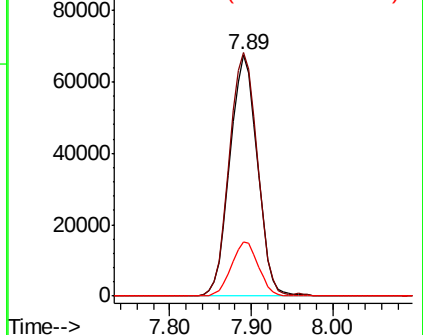


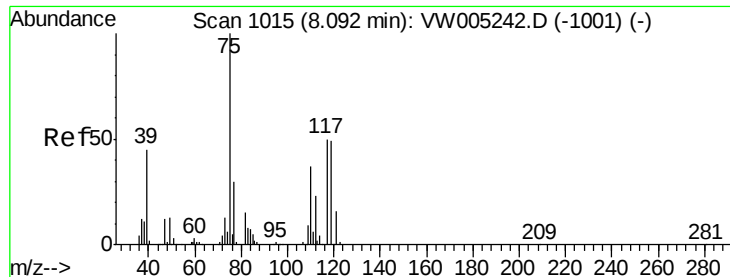
#35
 Dibromofluoromethane
 Concen: 45.939 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005296.D
 Acq: 12 Sep 2018 02:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.6	121.0
192	21.9	18.3	27.5



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.796 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA_W

ClientSampleId :

EO-02-090718-A

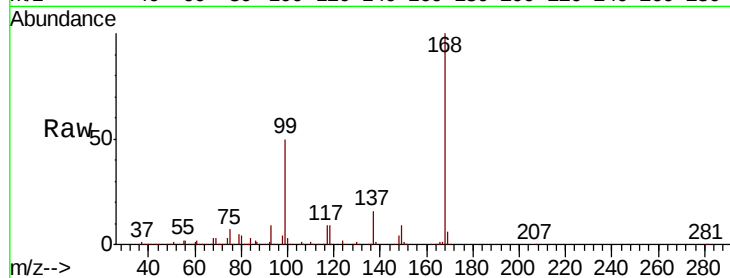
Tgt Ion: 75 Resp: 28695

Ion Ratio Lower Upper

75 100

110 7.8 18.8 56.4#

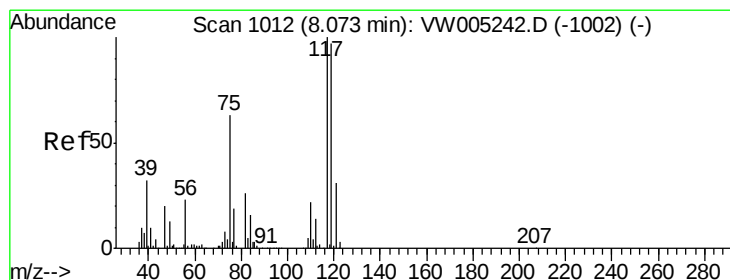
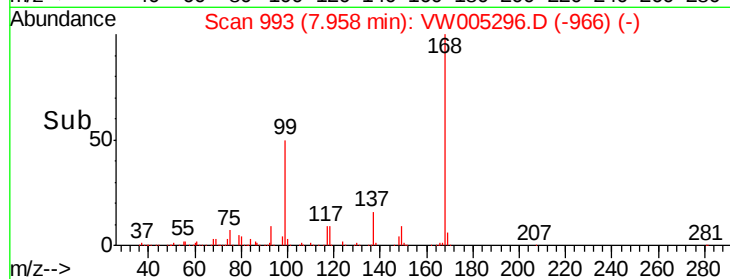
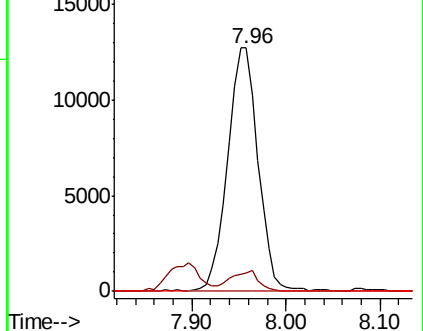
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.672 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

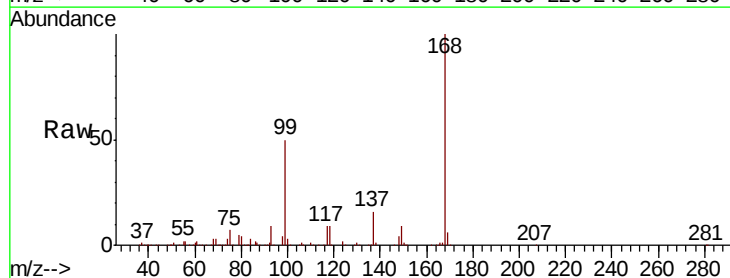
Tgt Ion: 117 Resp: 37400

Ion Ratio Lower Upper

117 100

119 5.1 77.5 116.3#

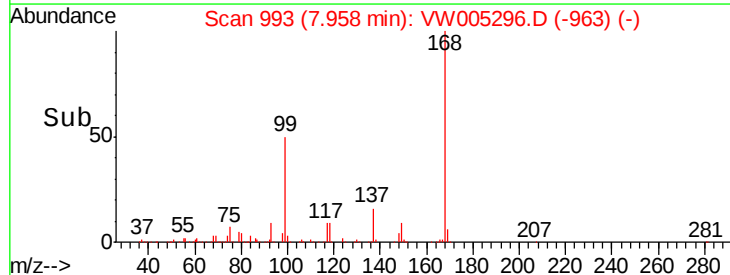
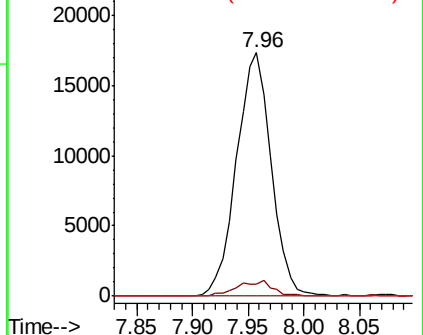
121 0.0 24.7 37.1#

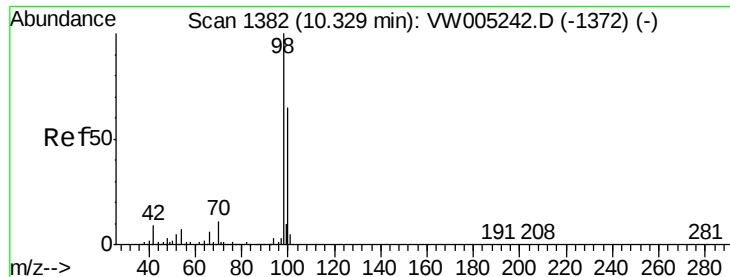


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 4.222 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA_W

ClientSampleId :

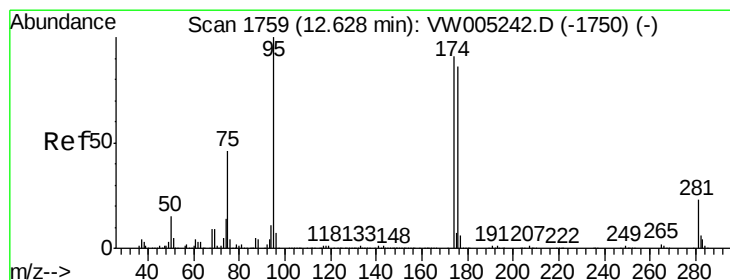
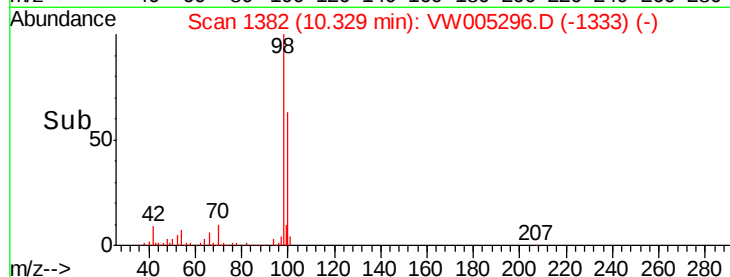
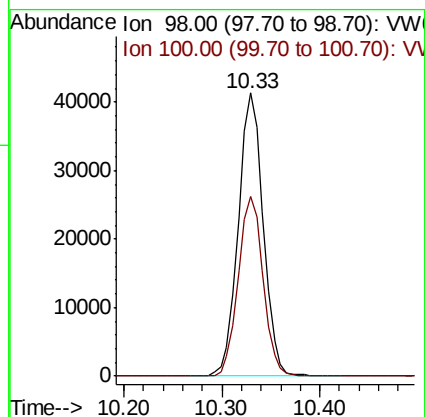
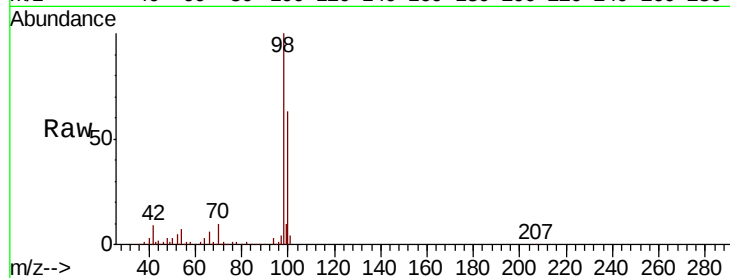
EO-02-090718-A

Tgt Ion: 98 Resp: 72996

Ion Ratio Lower Upper

98 100

100 63.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 22.288 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

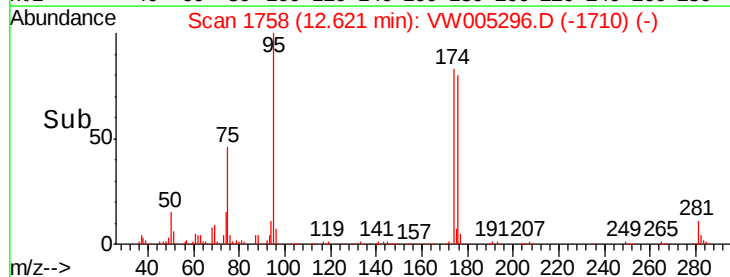
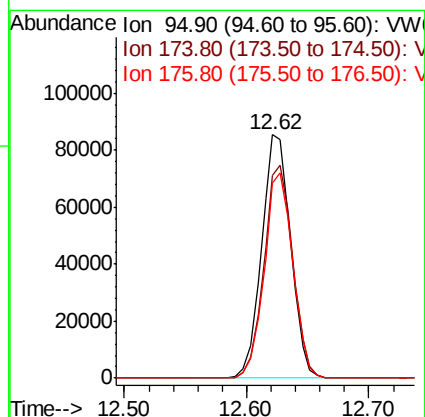
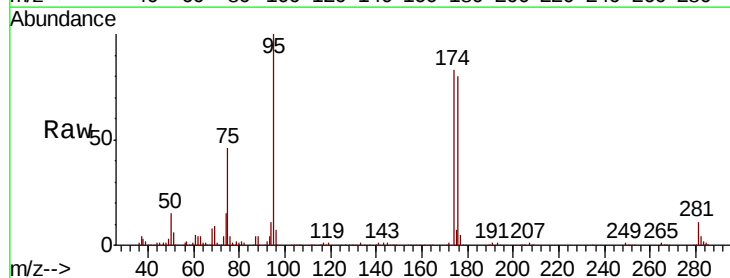
Tgt Ion: 95 Resp: 140943

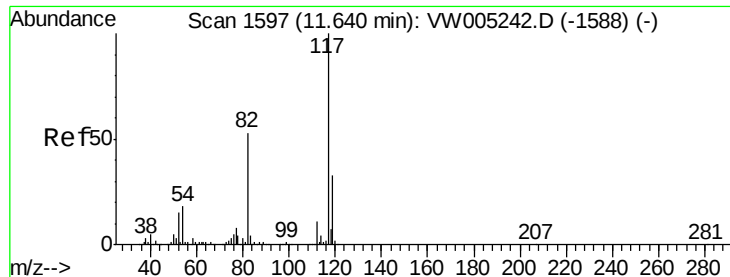
Ion Ratio Lower Upper

95 100

174 87.2 0.0 174.6

176 83.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA_W

ClientSampleId :

EO-02-090718-A

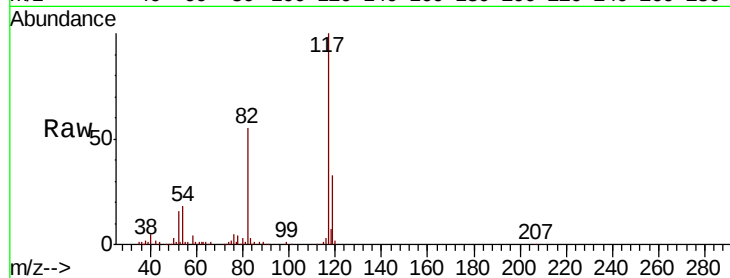
Tgt Ion:117 Resp: 115769

Ion Ratio Lower Upper

117 100

82 54.9 42.6 63.8

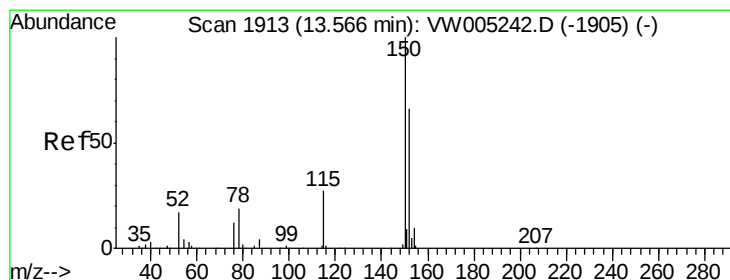
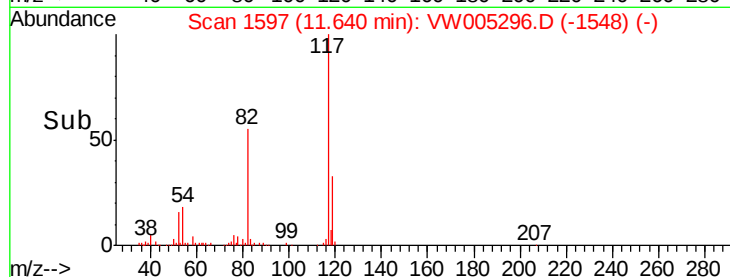
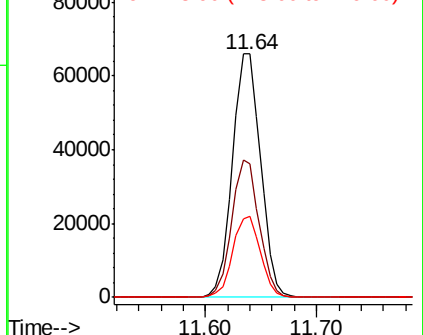
119 33.1 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VW005296.D

Acq: 12 Sep 2018 02:06

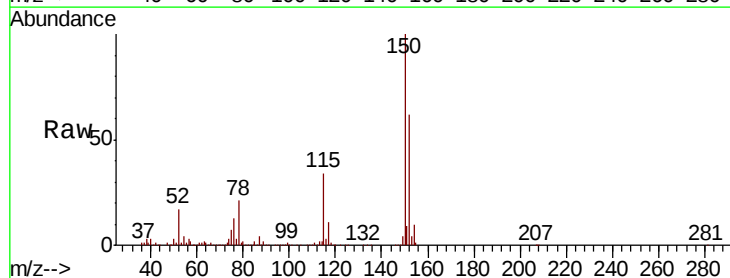
Tgt Ion:152 Resp: 154081

Ion Ratio Lower Upper

152 100

115 56.5 27.5 82.4

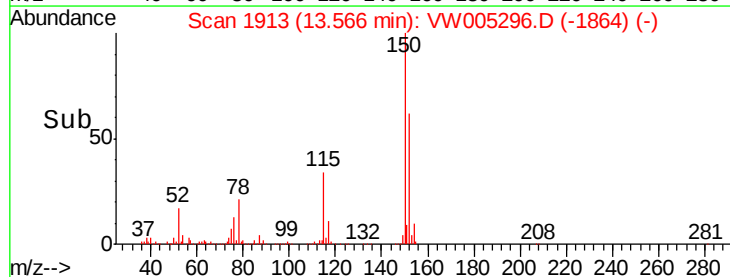
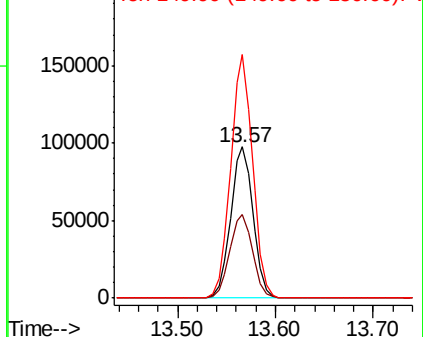
150 157.9 0.0 347.4

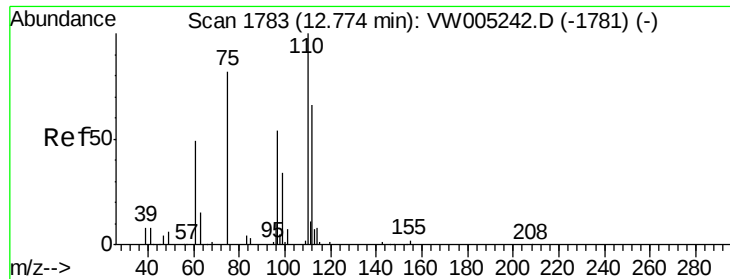


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 55.080 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA_W

ClientSampleId :

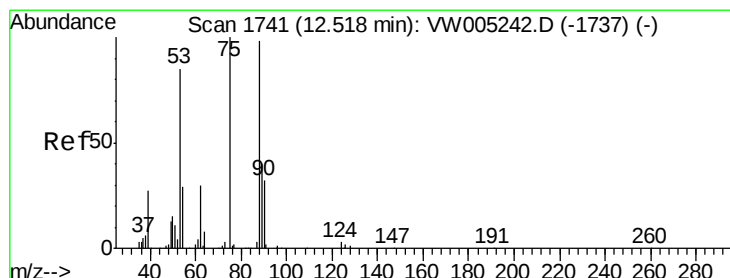
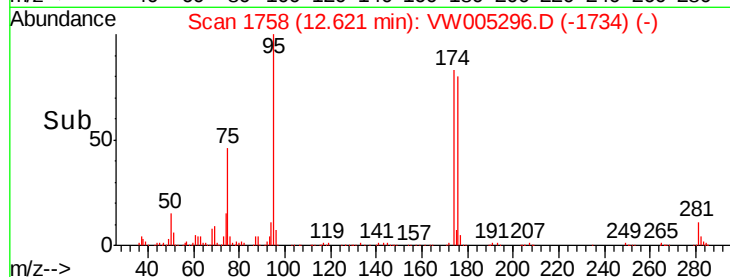
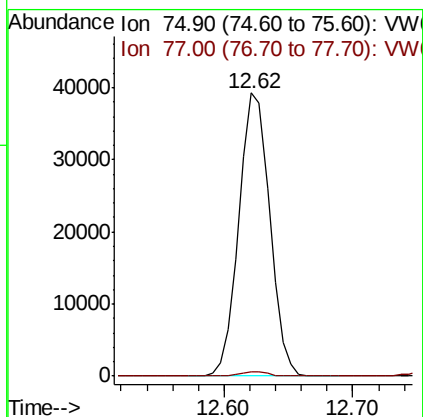
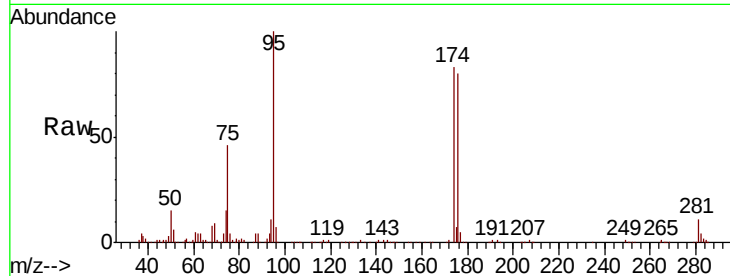
EO-02-090718-A

Tgt Ion: 75 Resp: 65276

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.175 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

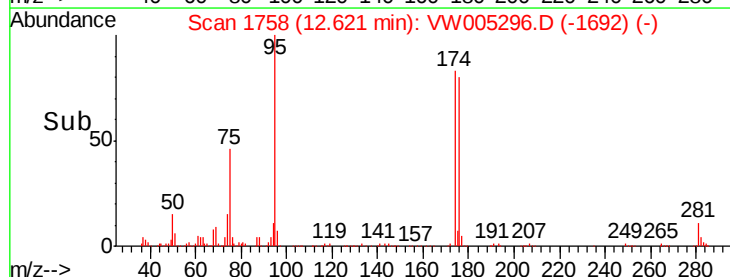
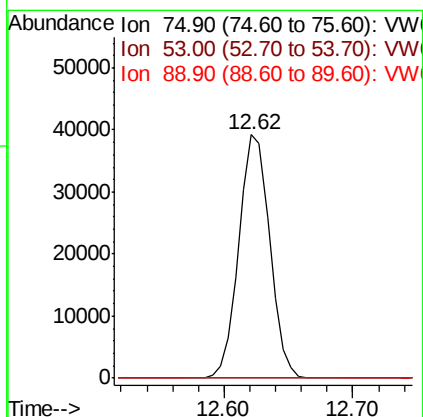
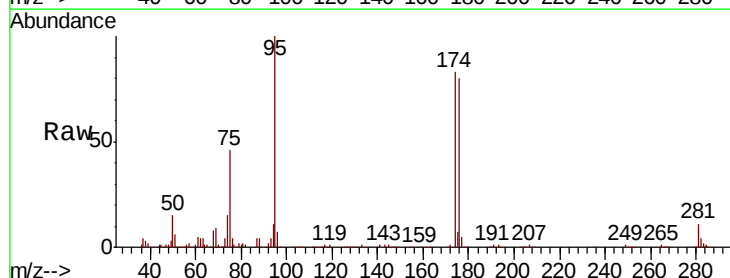
Tgt Ion: 75 Resp: 65276

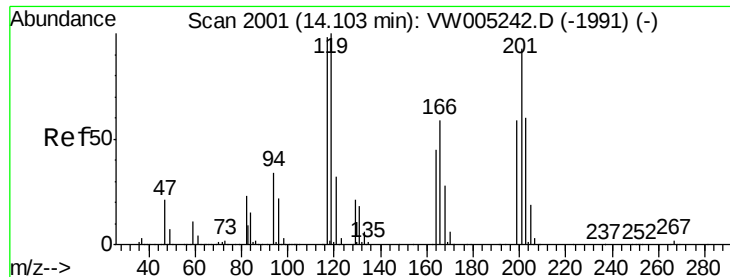
Ion Ratio Lower Upper

75 100

53 0.3 67.0 100.6#

89 0.2 37.0 55.4#





#90

Hexachloroethane

Concen: 1.136 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA_W

ClientSampleId :

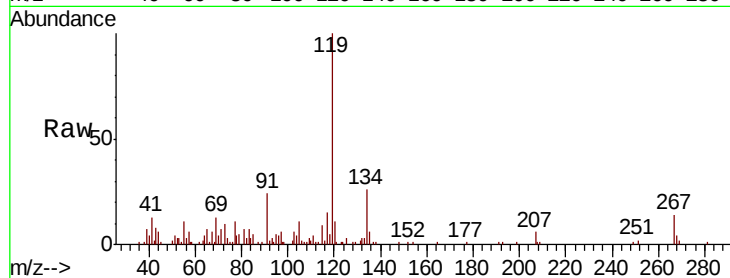
EO-02-090718-A

Tgt Ion:117 Resp: 1877

Ion Ratio Lower Upper

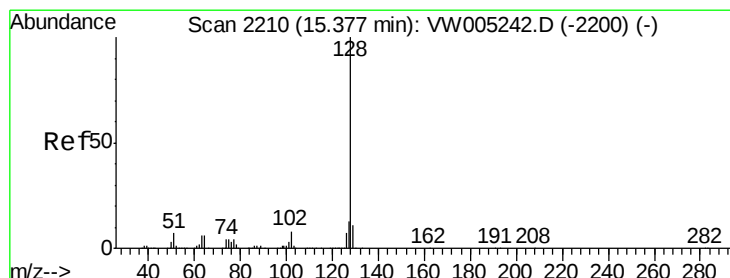
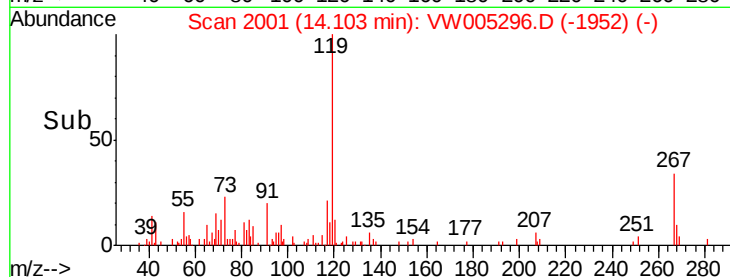
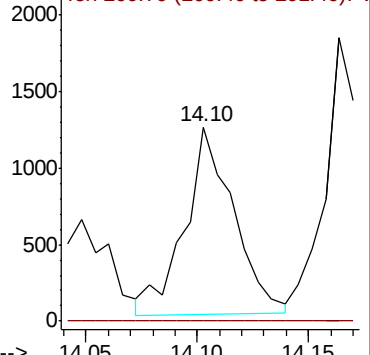
117 100

201 0.0 44.0 132.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.253 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

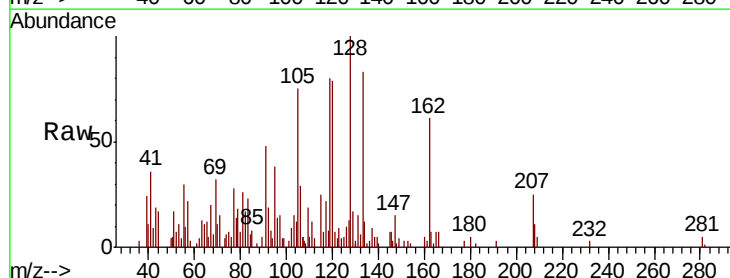
Tgt Ion:128 Resp: 6805

Ion Ratio Lower Upper

128 100

127 16.0 10.3 15.5#

129 0.0 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

