

Data File : VX005832.D
Acq On : 07 Nov 2018 17:18
Operator : JC/MD
Sample : J5848-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S81-TB-2018-1

Quant Time: Nov 19 08:01:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	111803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	153344	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	133731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	64540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	70664	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
35) Dibromofluoromethane	5.49	113	56093	53.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.56%	
50) Toluene-d8	8.71	98	177300	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.14	95	59770	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

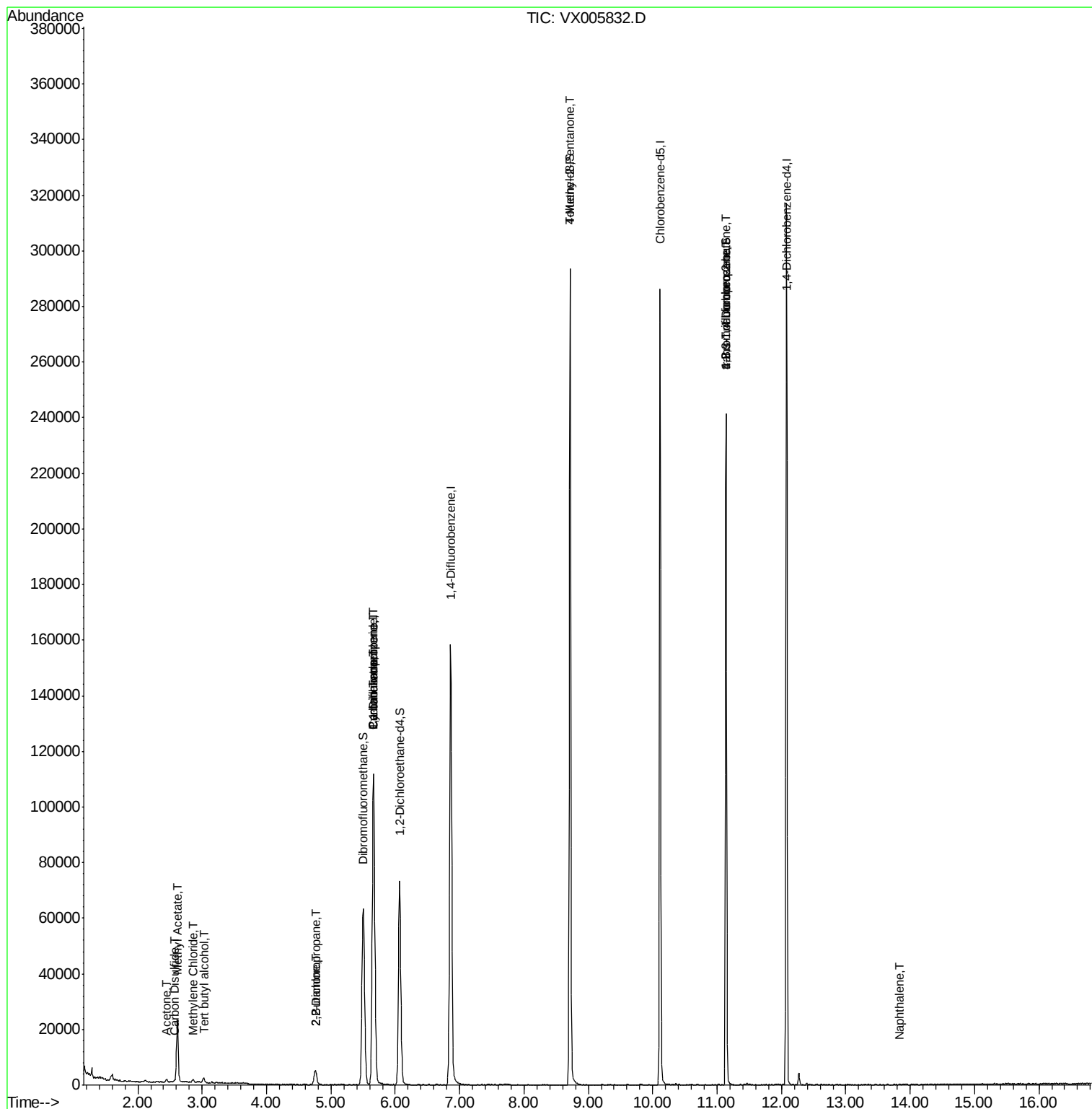
						Qvalue
11) Tert butyl alcohol	3.02	59	1306	3.547	ug/l #	72
16) Acetone	2.45	43	1153	1.666	ug/l	95
17) Carbon Disulfide	2.57	76	811	0.275	ug/l #	71
18) Methyl Acetate	2.62	43	6076	1.848	ug/l #	55
20) Methylene Chloride	2.85	84	372	0.327	ug/l #	79
25) 2-Butanone	4.76	43	354	0.325	ug/l #	51
26) 2,2-Dichloropropane	4.76	77	368	0.243	ug/l #	53
31) Cyclohexane	5.67	56	2241	1.252	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	7756	5.247	ug/l #	49
38) Carbon Tetrachloride	5.66	117	10263	6.935	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	869	0.490	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	29983	22.815	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	29983	72.715	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	139	Below Cal	#	31
95) Naphthalene	13.83	128	285	1.237	ug/l #	69

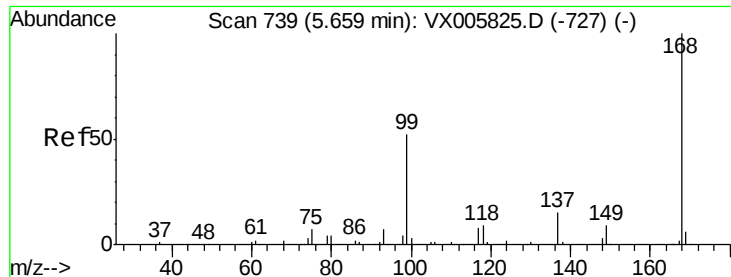
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005832.D

Acq: 07 Nov 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

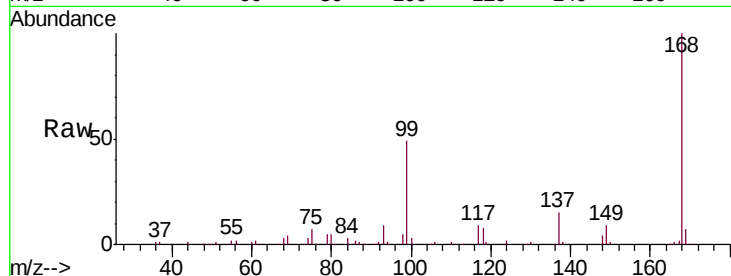
S81-TB-2018-1

Tgt Ion:168 Resp: 111803

Ion Ratio Lower Upper

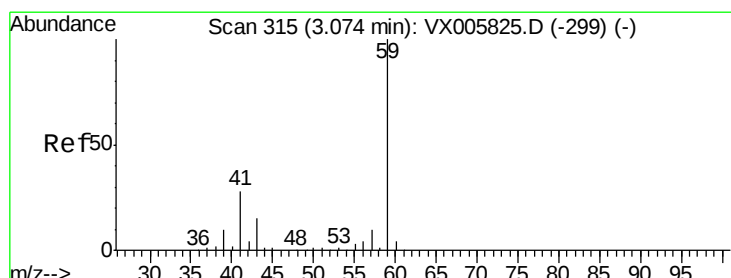
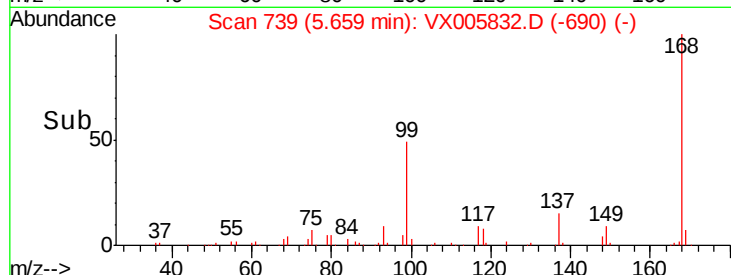
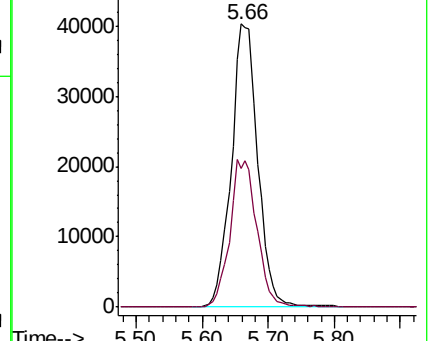
168 100

99 49.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 3.547 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX005832.D

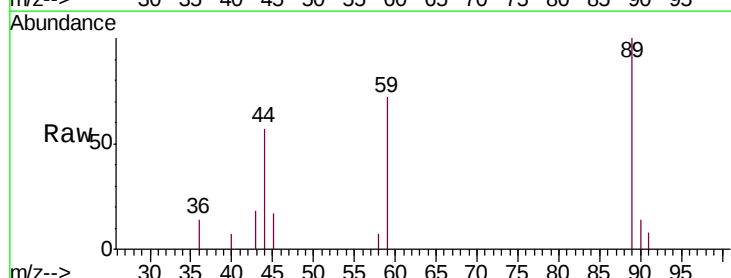
Acq: 07 Nov 2018 17:18

Tgt Ion: 59 Resp: 1306

Ion Ratio Lower Upper

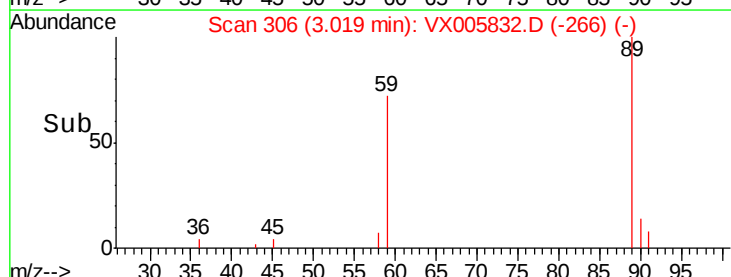
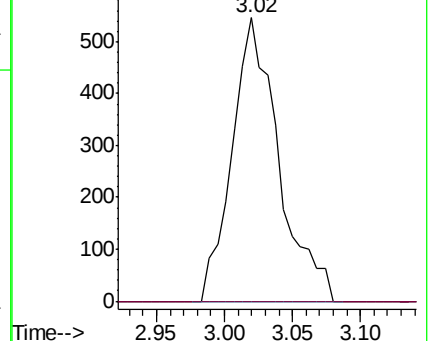
59 100

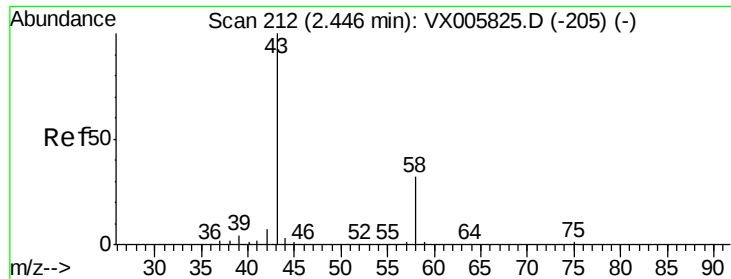
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.666 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005832.D

Acq: 07 Nov 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

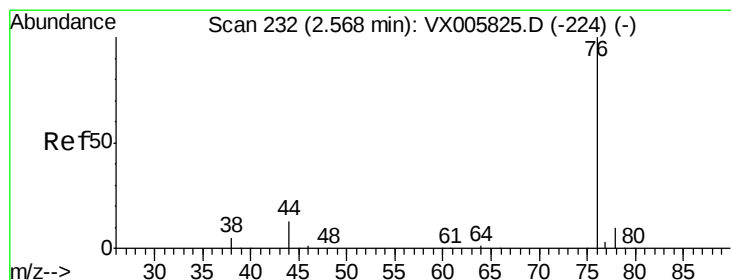
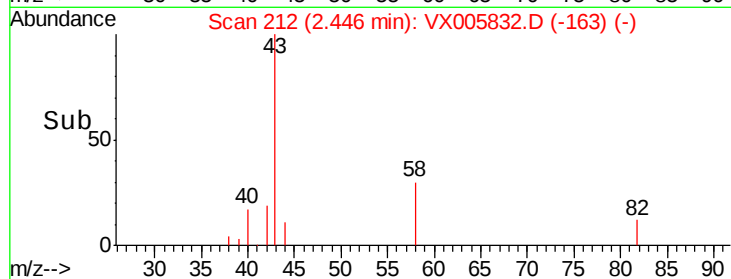
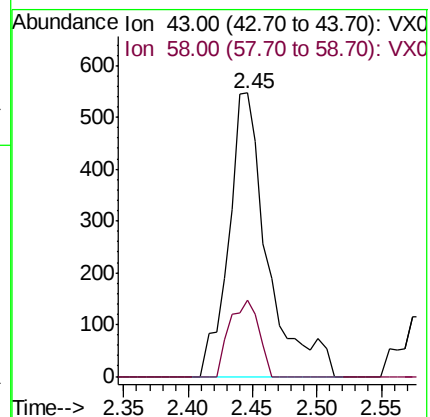
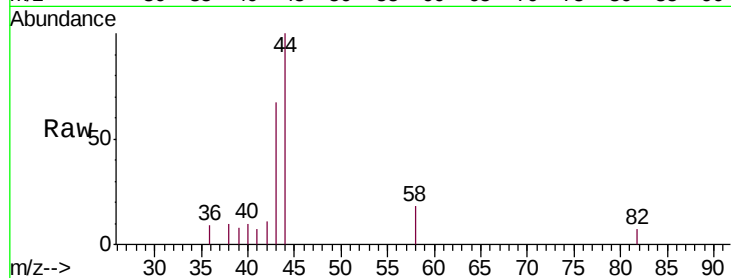
S81-TB-2018-1

Tgt Ion: 43 Resp: 1153

Ion Ratio Lower Upper

43 100

58 27.1 23.8 35.6



#17

Carbon Disulfide

Concen: 0.275 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005832.D

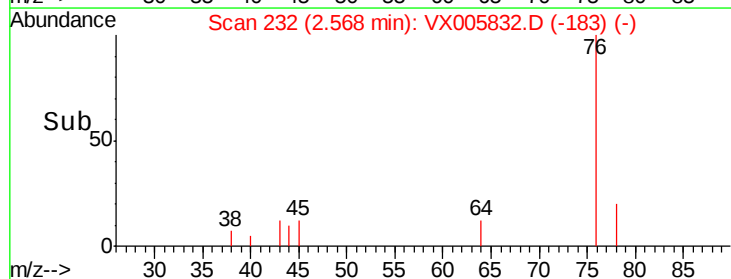
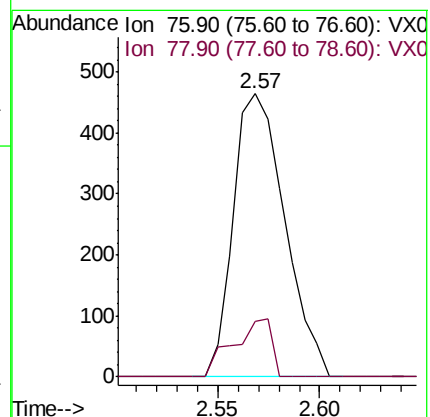
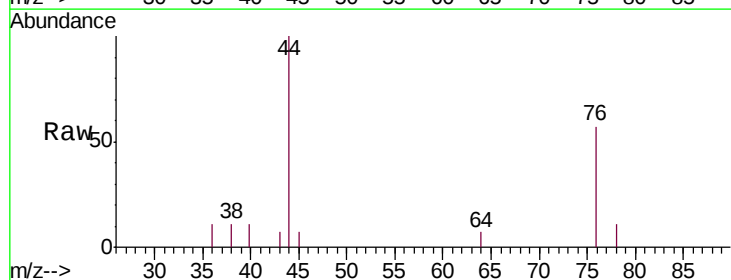
Acq: 07 Nov 2018 17:18

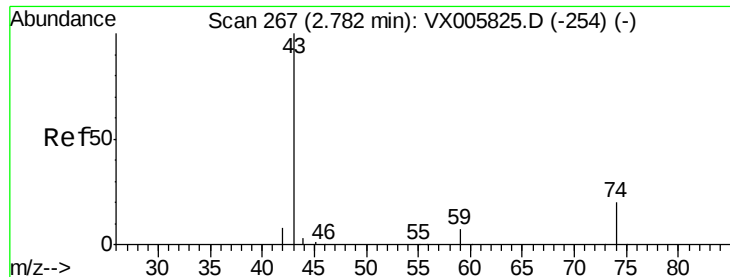
Tgt Ion: 76 Resp: 811

Ion Ratio Lower Upper

76 100

78 19.6 7.3 10.9#

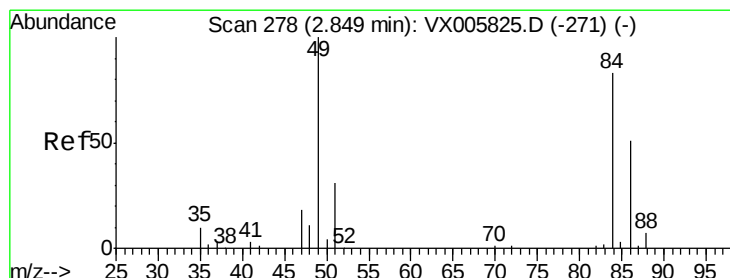
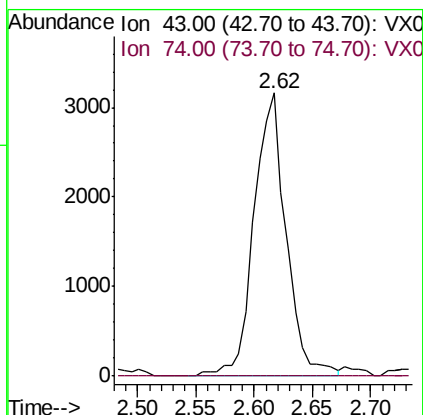
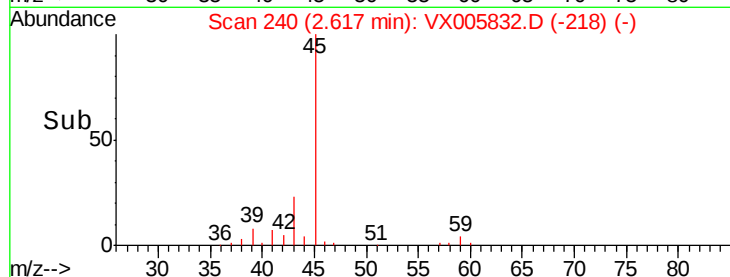
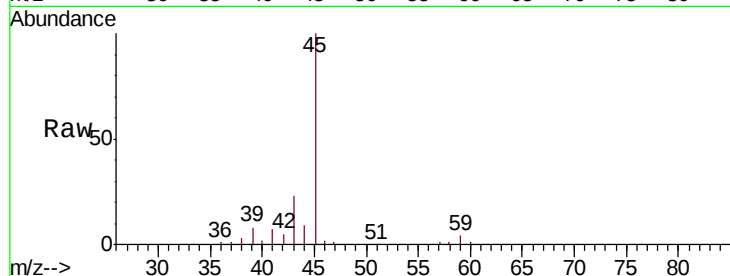




#18
Methyl Acetate
Concen: 1.848 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.16 min
Lab File: VX005832.D
Acq: 07 Nov 2018 17:18

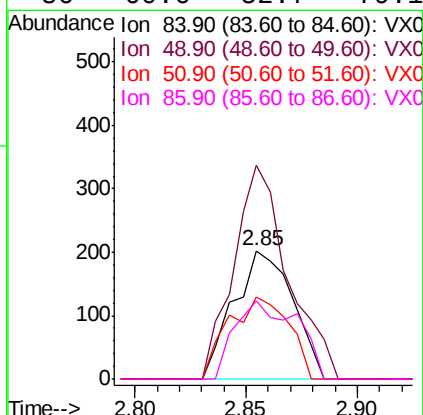
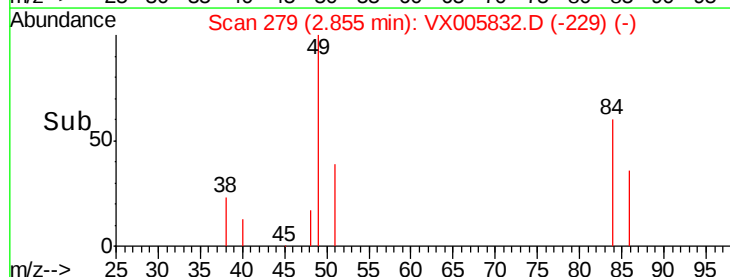
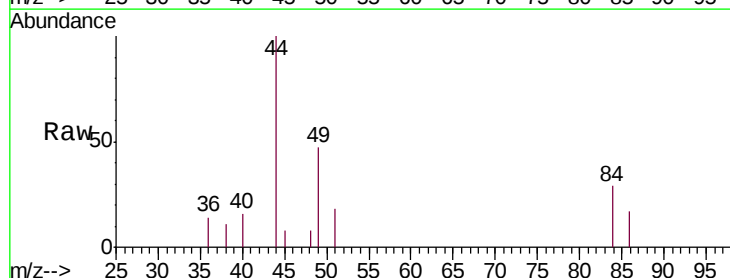
Instrument :
MSVOA_X
ClientSampleId :
S81-TB-2018-1

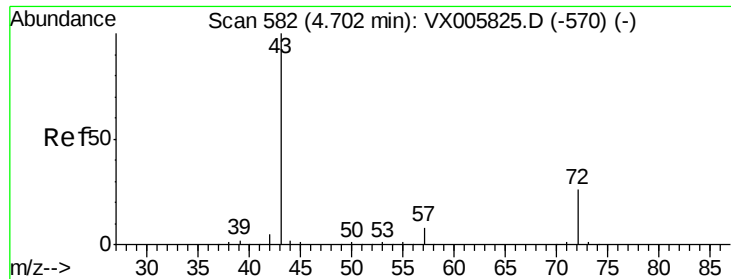
Tgt Ion: 43 Resp: 6076
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#20
Methylene Chloride
Concen: 0.327 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005832.D
Acq: 07 Nov 2018 17:18

Tgt Ion: 84 Resp: 372
Ion Ratio Lower Upper
84 100
49 166.0 109.5 164.3#
51 64.0 33.3 49.9#
86 60.6 52.7 79.1





#25

2-Butanone

Concen: 0.325 ug/l

RT: 4.76 min Scan# 592

Delta R.T. 0.06 min

Lab File: VX005832.D

Acq: 07 Nov 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

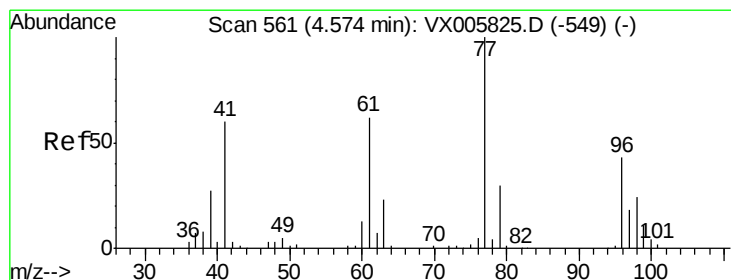
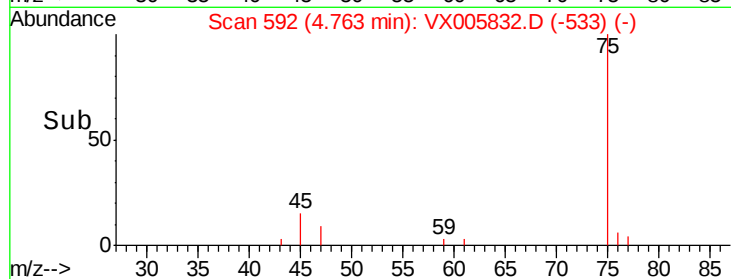
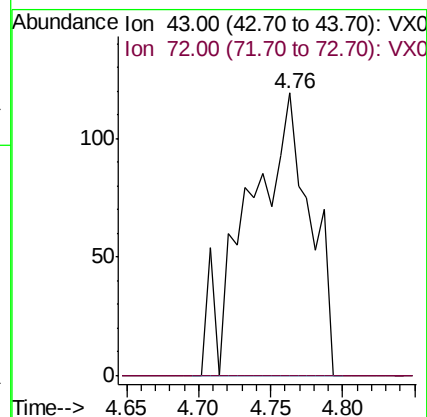
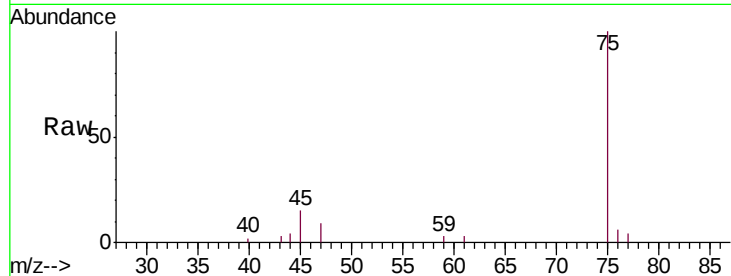
S81-TB-2018-1

Tgt Ion: 43 Resp: 354

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 0.243 ug/l

RT: 4.76 min Scan# 592

Delta R.T. 0.19 min

Lab File: VX005832.D

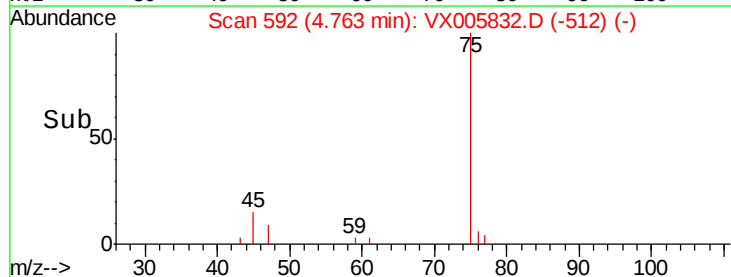
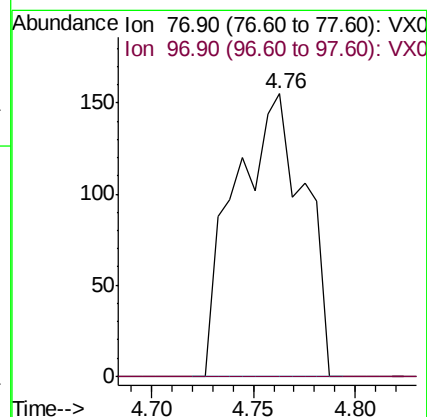
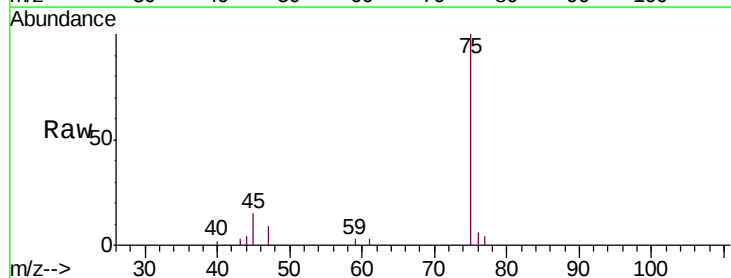
Acq: 07 Nov 2018 17:18

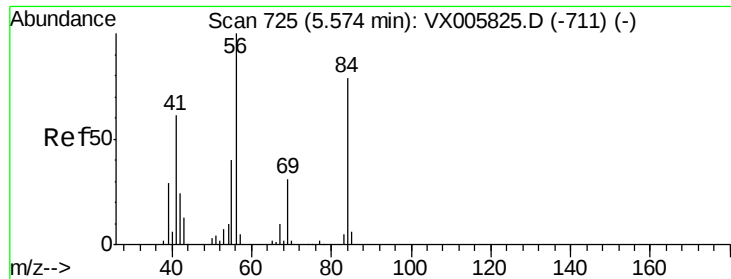
Tgt Ion: 77 Resp: 368

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#

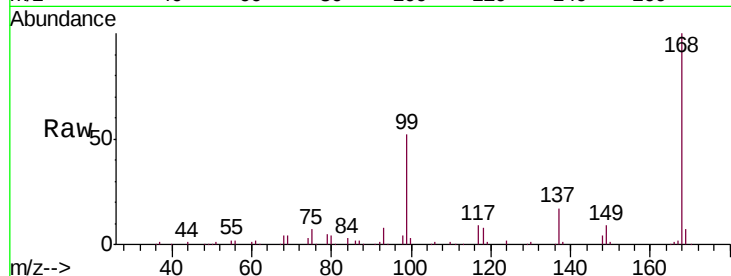




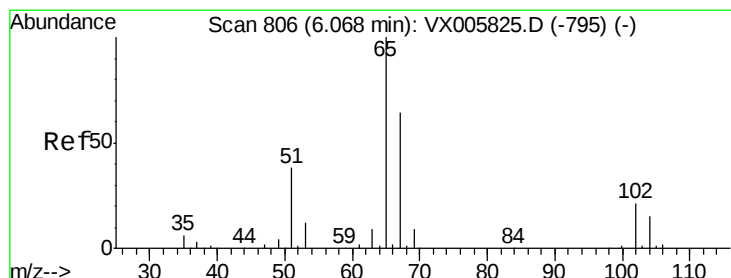
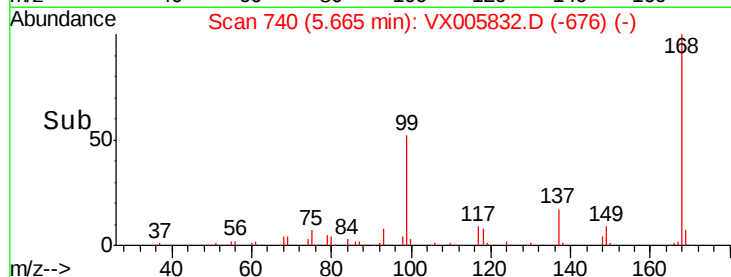
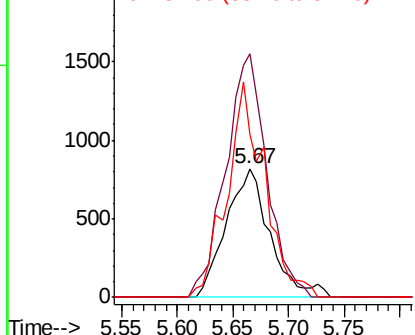
#31
Cyclohexane
Concen: 1.252 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005832.D
Acq: 07 Nov 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
S81-TB-2018-1

Tgt Ion: 56 Resp: 2241
Ion Ratio Lower Upper
56 100
69 189.0 22.6 34.0#
84 126.8 62.7 94.1#

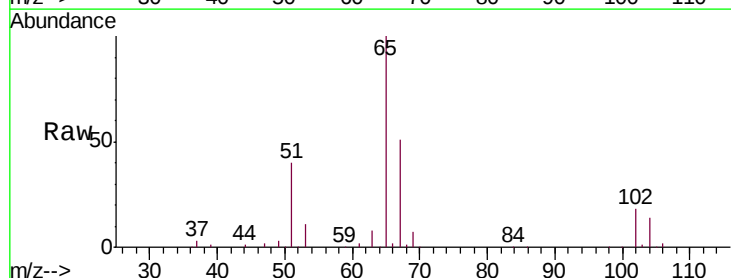


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

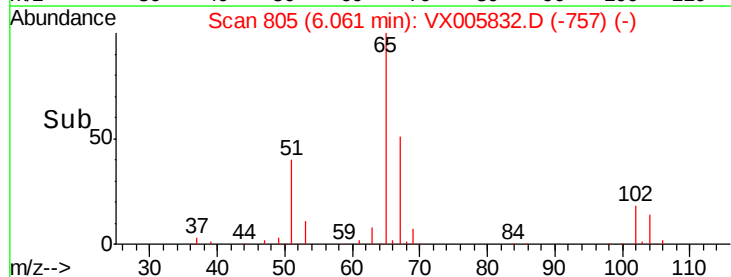
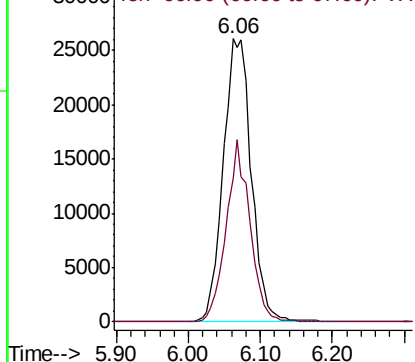


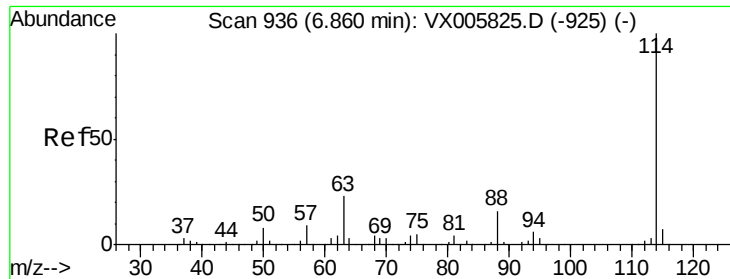
#33
1,2-Dichloroethane-d4
Concen: 54.978 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX005832.D
Acq: 07 Nov 2018 17:18

Tgt Ion: 65 Resp: 70664
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

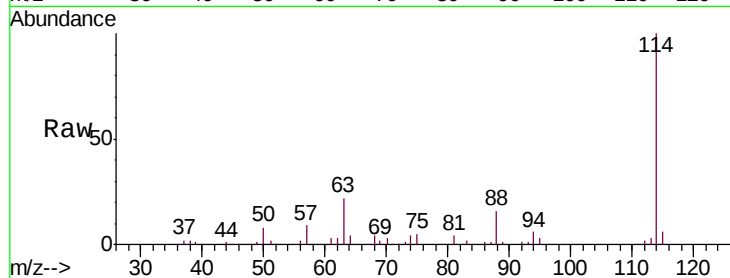




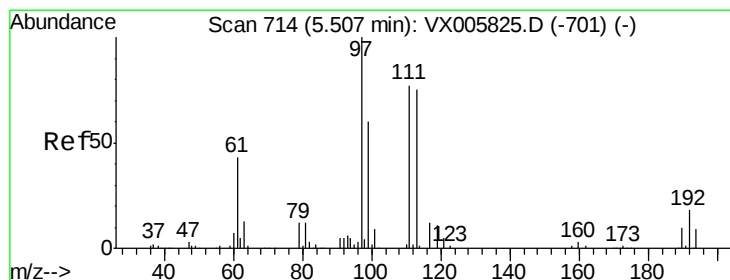
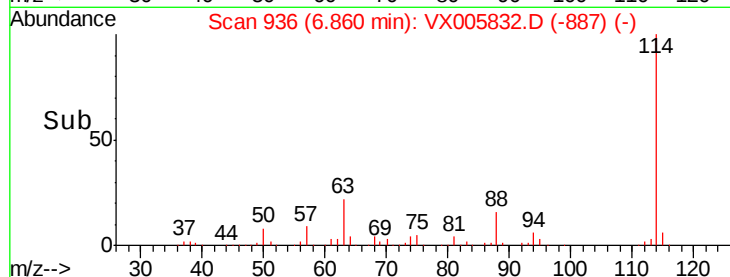
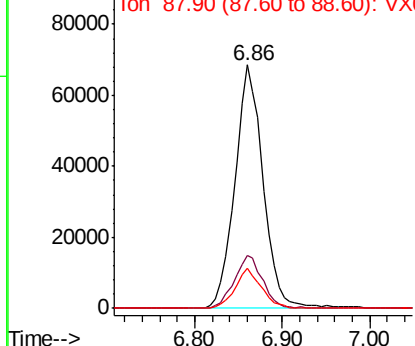
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005832.D
 Acq: 07 Nov 2018 17:18

Instrument :
 MSVOA_X
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Tgt Ion:114 Resp: 153344
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.8
 88 16.5 0.0 31.2

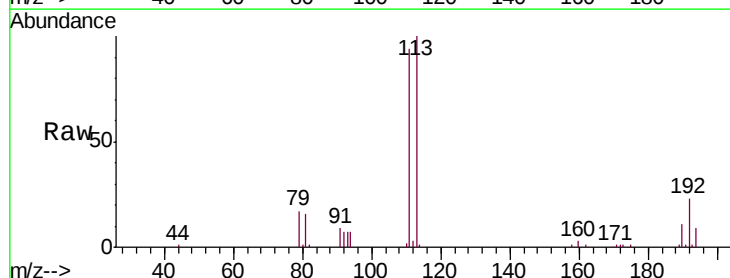


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

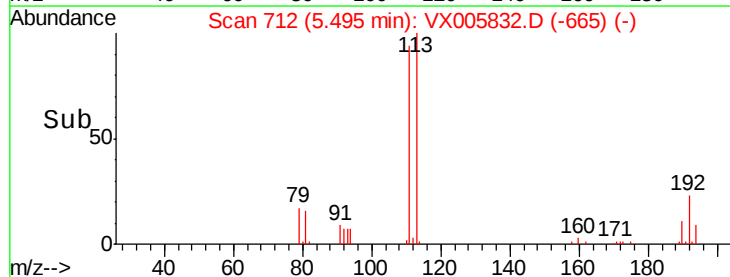
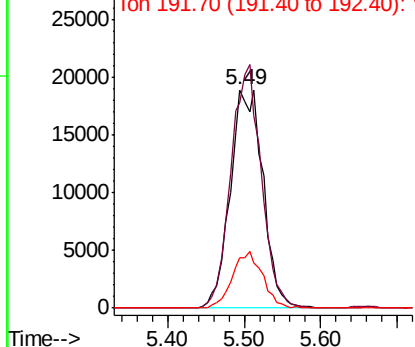


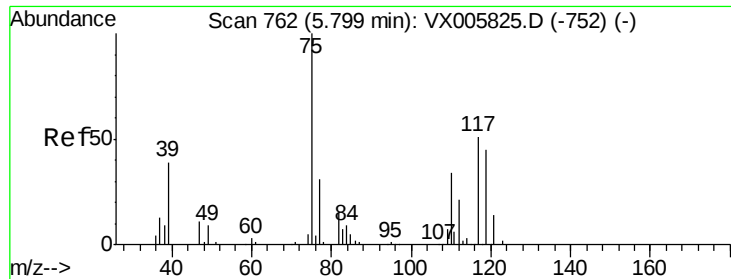
#35
 Dibromofluoromethane
 Concen: 53.782 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005832.D
 Acq: 07 Nov 2018 17:18

Tgt Ion:113 Resp: 56093
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.3 123.5
 192 23.9 17.9 26.9



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

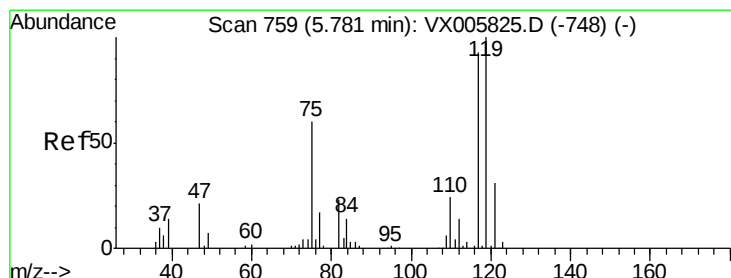
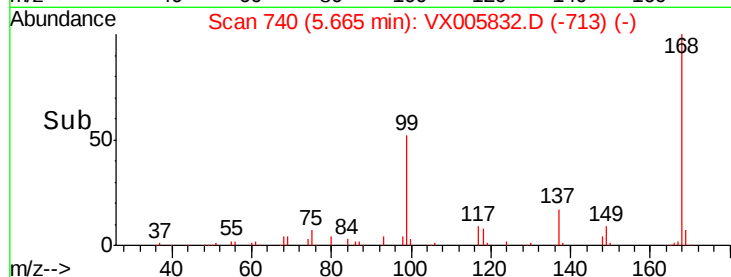
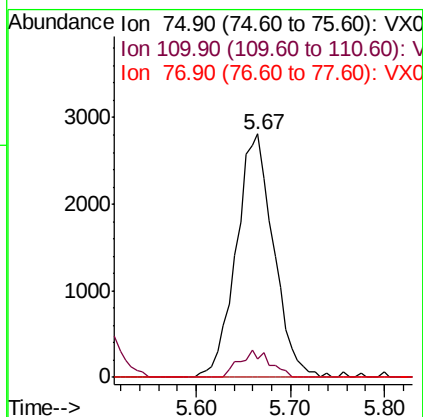
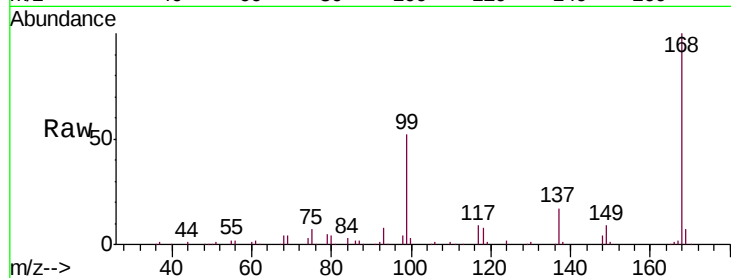




#36
 1,1-Dichloropropene
 Concen: 5.247 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005832.D
 Acq: 07 Nov 2018 17:18

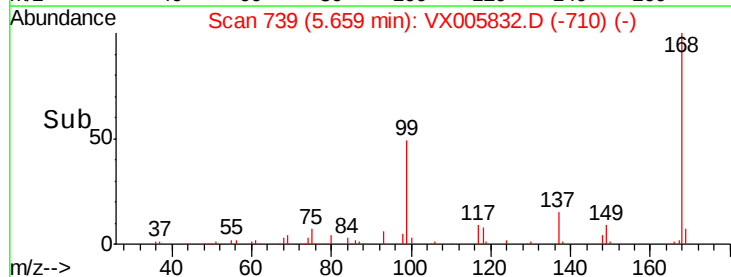
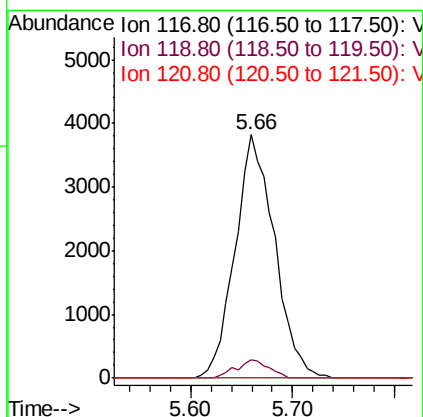
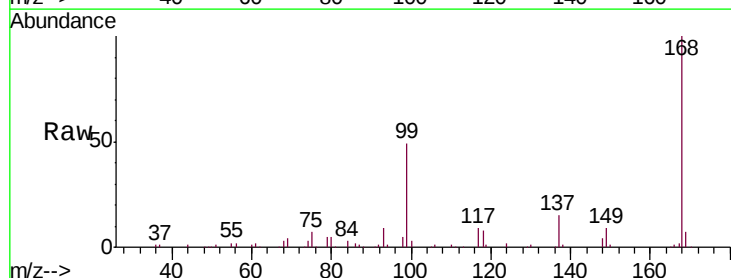
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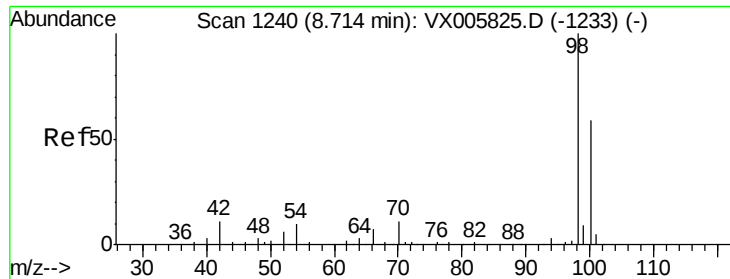
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.935 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005832.D
 Acq: 07 Nov 2018 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.6	78.1	117.1#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 51.133 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005832.D

Acq: 07 Nov 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

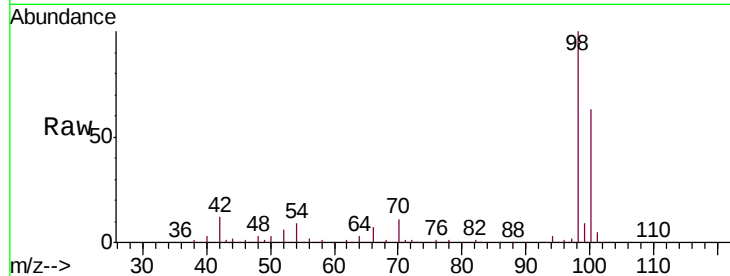
S81-TB-2018-1

Tgt Ion: 98 Resp: 177300

Ion Ratio Lower Upper

98 100

100 62.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

120000

100000

80000

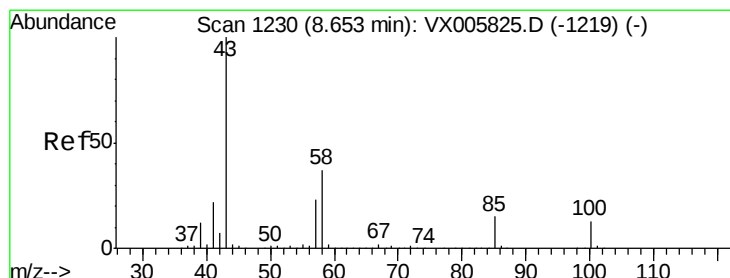
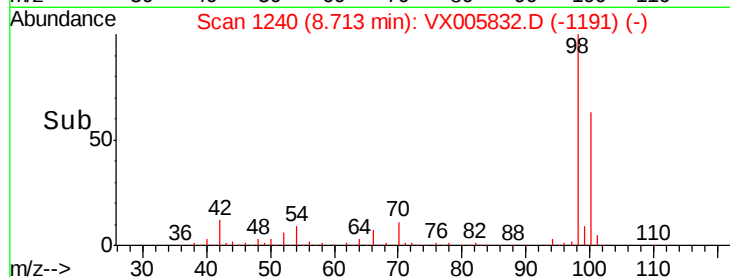
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.490 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005832.D

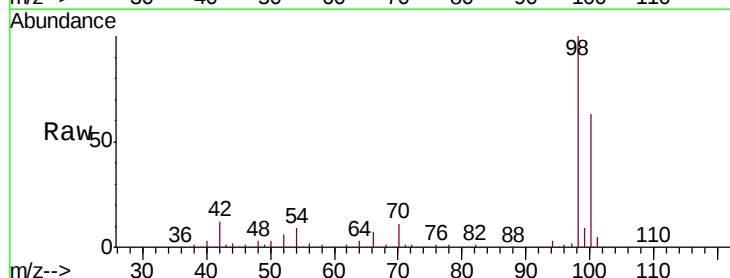
Acq: 07 Nov 2018 17:18

Tgt Ion: 43 Resp: 869

Ion Ratio Lower Upper

43 100

58 169.2 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

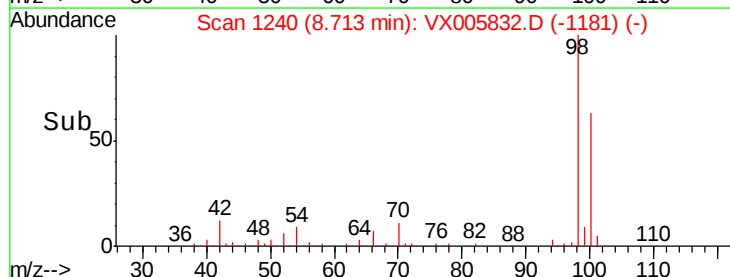
600

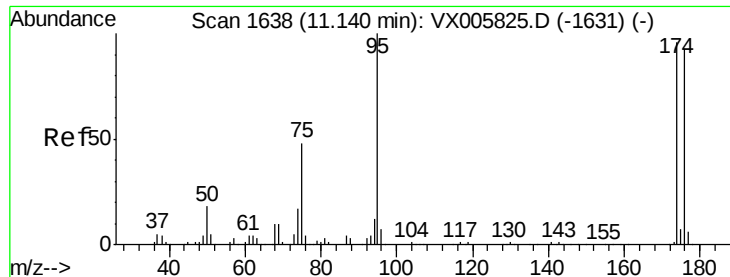
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.944 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005832.D

Acq: 07 Nov 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

S81-TB-2018-1

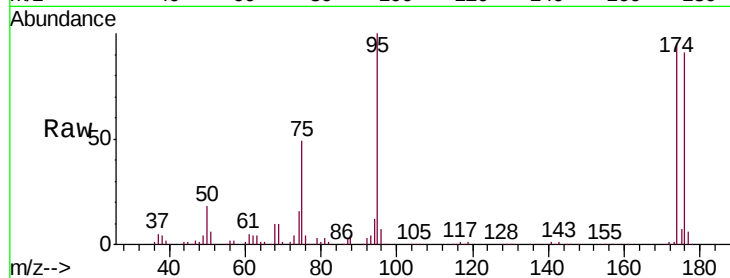
Tgt Ion: 95 Resp: 59770

Ion Ratio Lower Upper

95 100

174 92.5 0.0 184.4

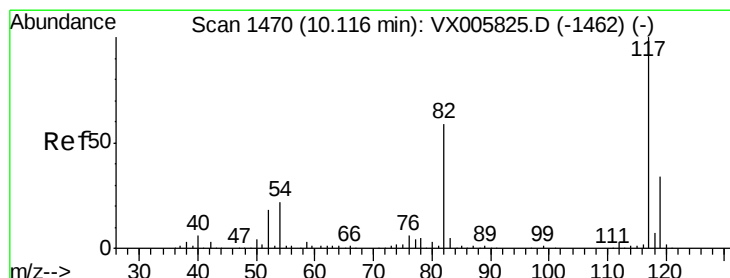
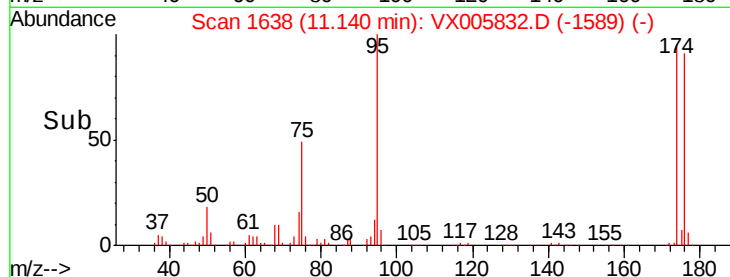
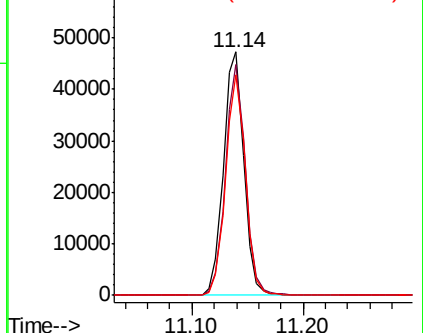
176 88.2 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005832.D

Acq: 07 Nov 2018 17:18

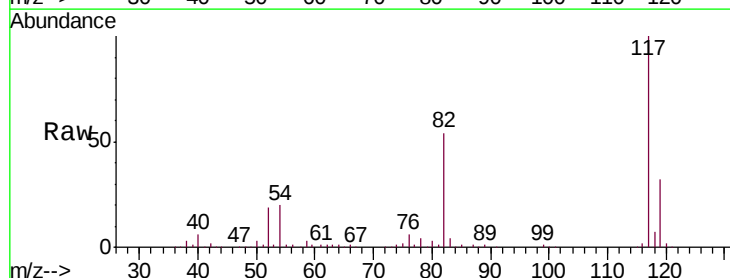
Tgt Ion: 117 Resp: 133731

Ion Ratio Lower Upper

117 100

82 54.0 44.1 66.1

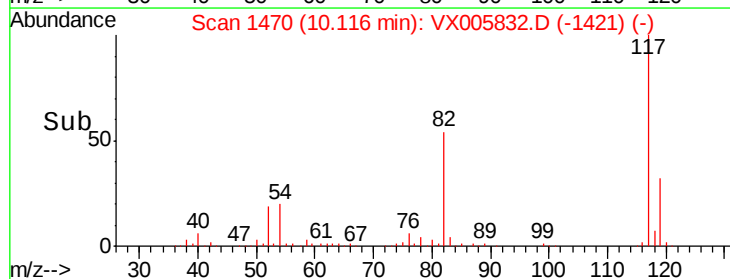
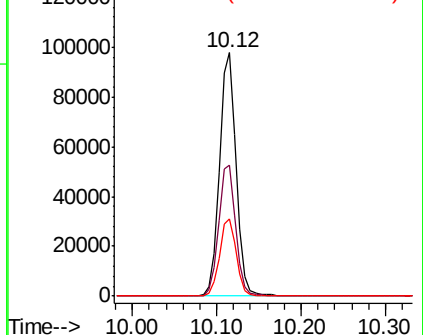
119 31.8 26.2 39.2

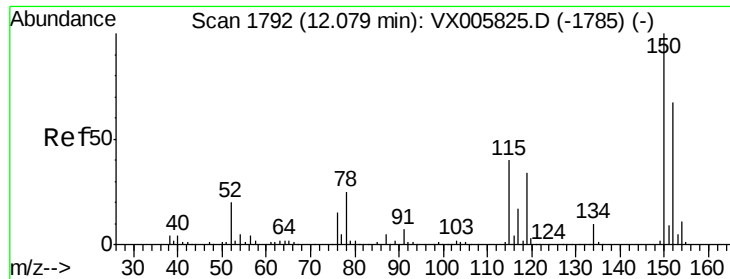


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005832.D

Acq: 07 Nov 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

S81-TB-2018-1

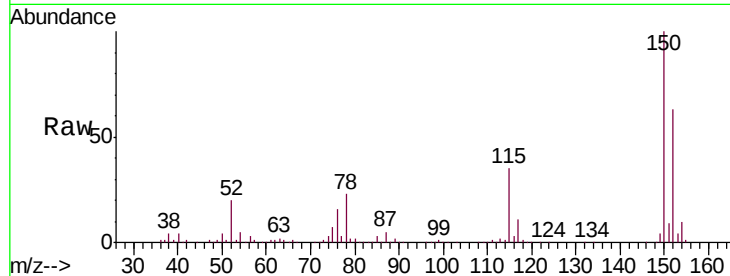
Tgt Ion:152 Resp: 64540

Ion Ratio Lower Upper

152 100

115 55.8 39.4 118.1

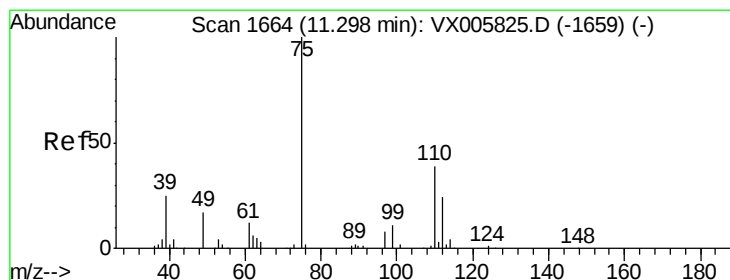
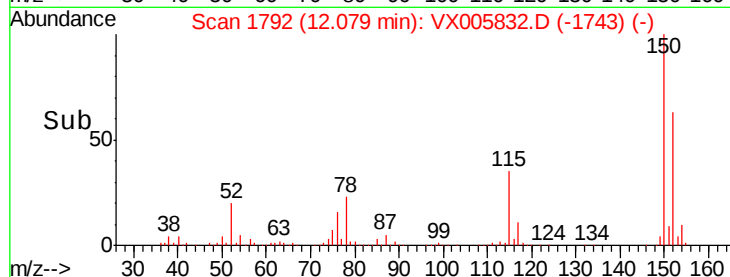
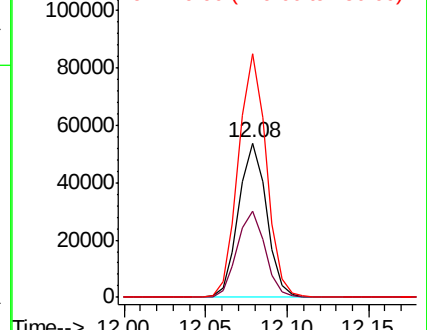
150 157.4 0.0 346.4



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: 22.815 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005832.D

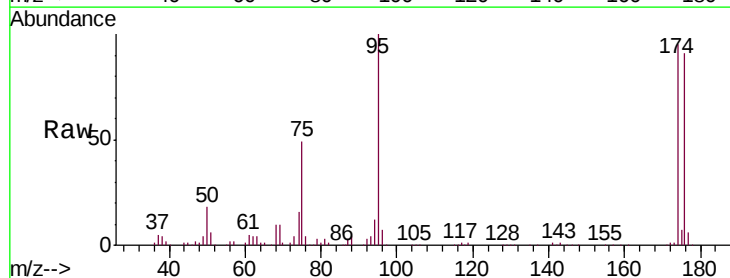
Acq: 07 Nov 2018 17:18

Tgt Ion: 75 Resp: 29983

Ion Ratio Lower Upper

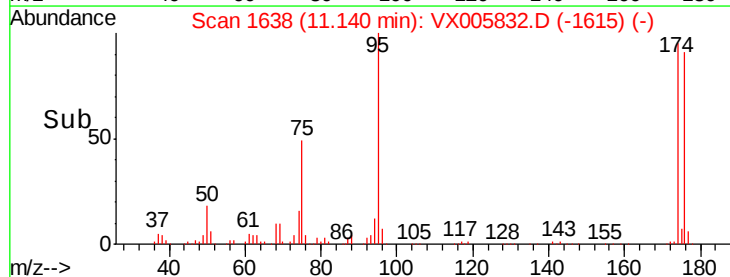
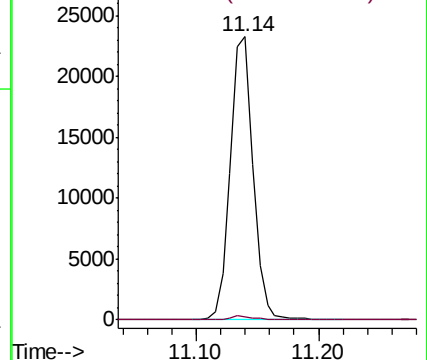
75 100

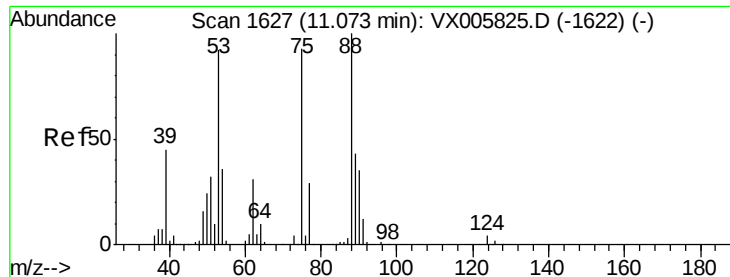
77 1.2 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 72.715 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005832.D

Acq: 07 Nov 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

S81-TB-2018-1

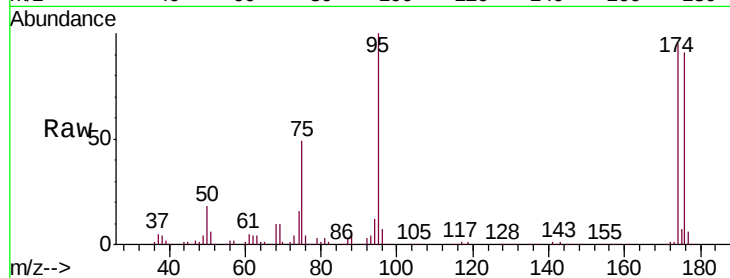
Tgt Ion: 75 Resp: 29983

Ion Ratio Lower Upper

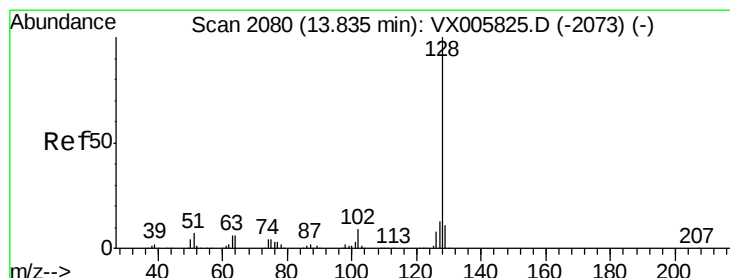
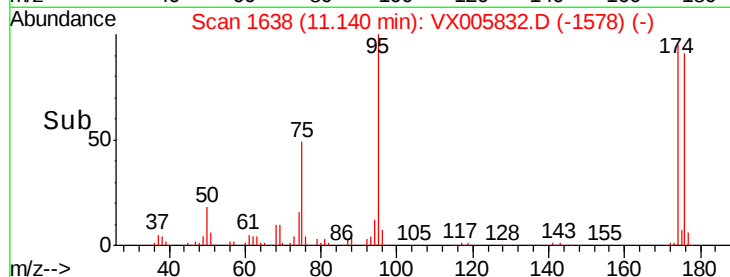
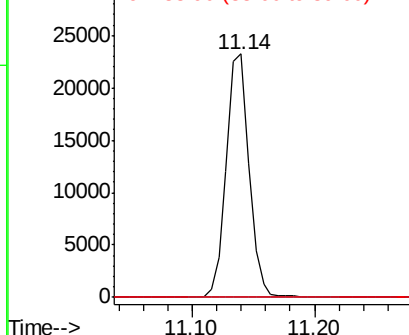
75 100

53 0.1 80.2 120.2#

89 0.0 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.237 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005832.D

Acq: 07 Nov 2018 17:18

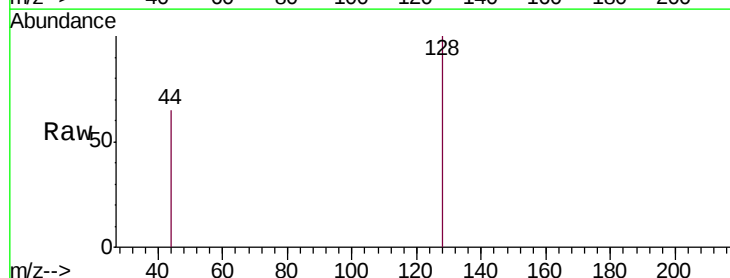
Tgt Ion: 128 Resp: 285

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

