

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025084.D
 Acq On : 30 Jun 2018 13:32
 Operator : MD/SY
 Sample : J3707-22DL 5X
 Misc : 6.14g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-23-25-180622DL

Quant Time: Jul 02 05:36:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

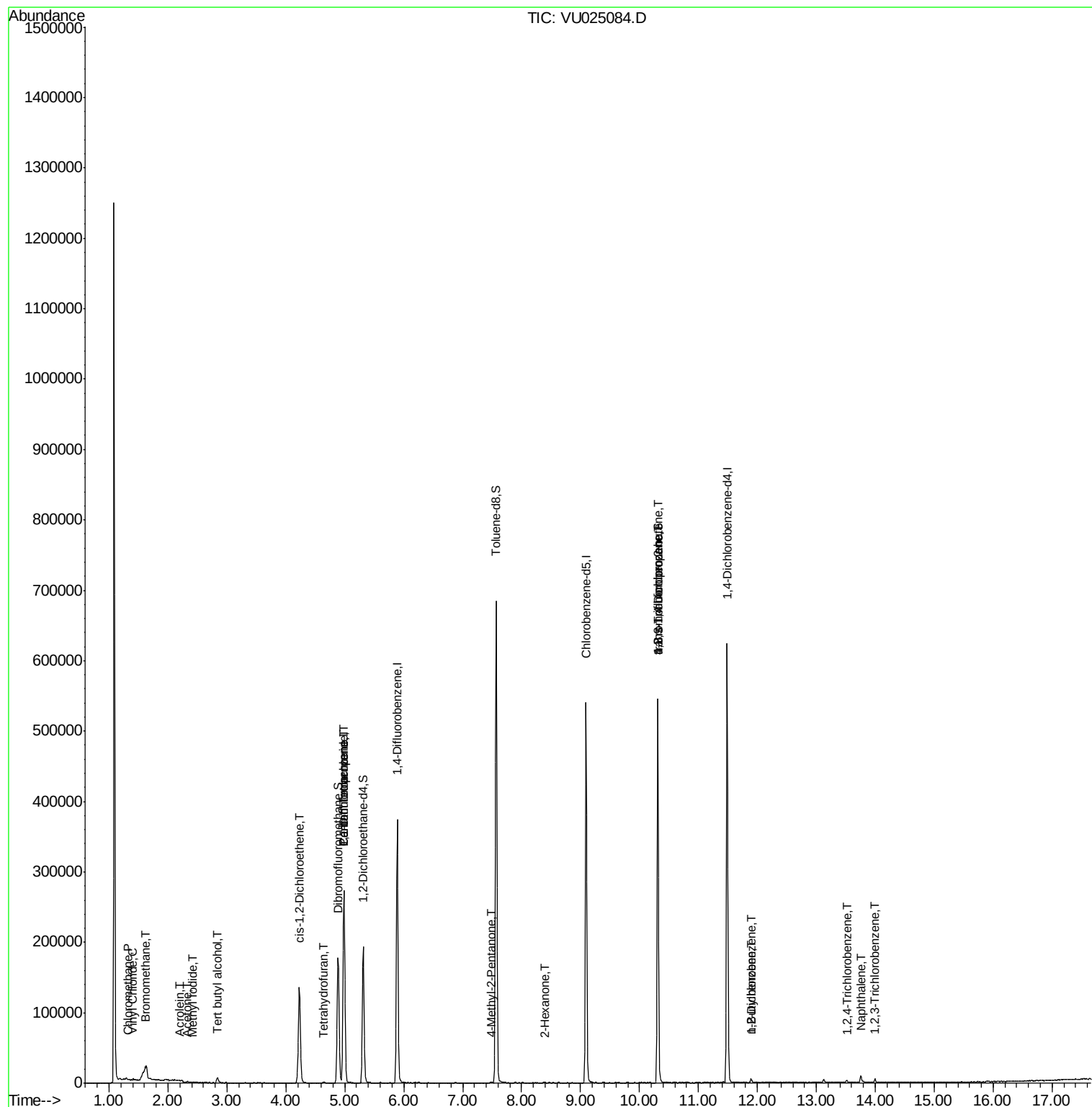
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	211074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314309	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	163875	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	157018	45.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.14%	
35) Dibromofluoromethane	4.89	113	121361	46.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.04%	
50) Toluene-d8	7.57	98	451396	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	10.31	95	172684	45.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.42%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	682	0.253	ug/l	99
4) Vinyl Chloride	1.40	62	1085	0.390	ug/l	96
5) Bromomethane	1.61	94	929	0.690	ug/l	99
6) Chloroethane	1.66	64	20	Below Cal	#	43
10) Methyl Iodide	2.41	142	891	5.646	ug/l #	74
11) Tert butyl alcohol	2.84	59	4570	5.453	ug/l #	72
13) Acrolein	2.20	56	223	0.507	ug/l #	31
16) Acetone	2.32	43	837	0.452	ug/l #	65
27) cis-1,2-Dichloroethene	4.23	96	76074	24.998	ug/l	88
29) Tetrahydrofuran	4.65	42	643	0.418	ug/l #	65
31) Cyclohexane	4.99	56	4242	Below Cal	#	13
36) 1,1-Dichloropropene	4.98	75	15971	4.324	ug/l #	50
38) Carbon Tetrachloride	4.98	117	19790	4.873	ug/l #	16
51) 4-Methyl-2-Pentanone	7.47	43	959	0.219	ug/l #	74
59) 2-Hexanone	8.38	43	1064	0.298	ug/l #	39
76) 1,2,3-Trichloropropane	10.31	75	89833	24.899	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89833	57.626	ug/l #	100
89) n-Butylbenzene	11.90	91	2247	0.215	ug/l	90
91) 1,2-Dichlorobenzene	11.89	146	1437	0.244	ug/l	94
93) 1,2,4-Trichlorobenzene	13.51	180	1632	0.448	ug/l	98
95) Naphthalene	13.75	128	11712	1.638	ug/l	97
96) 1,2,3-Trichlorobenzene	13.99	180	1978	0.545	ug/l	91

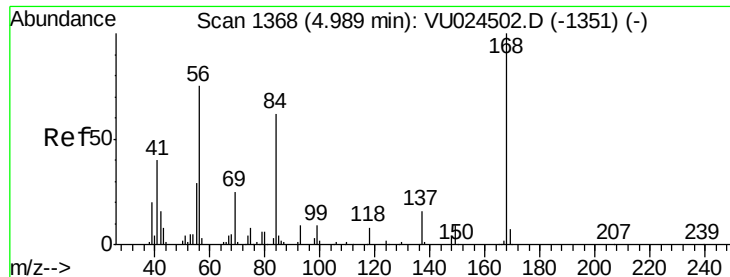
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

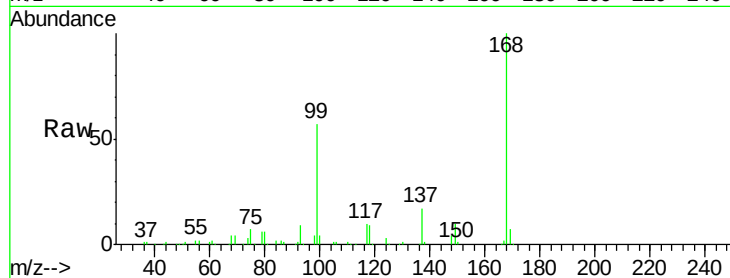
WP021SB489-23-25-180622DL

Tgt Ion:168 Resp: 211074

Ion Ratio Lower Upper

168 100

99 56.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D

Ion 98.90 (98.60 to 99.60): VU024502.D

4.99

100000

80000

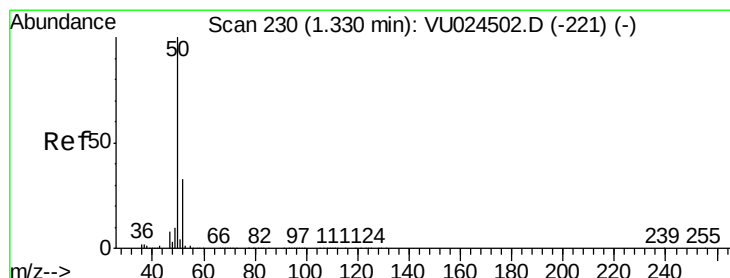
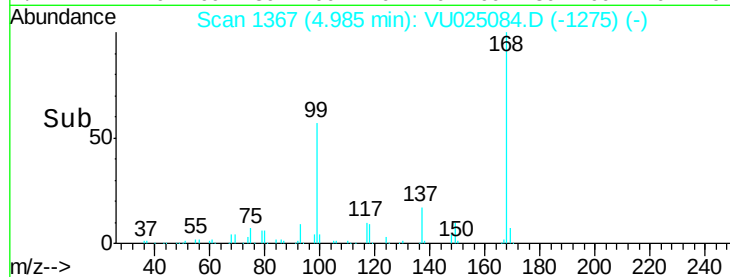
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025084.D

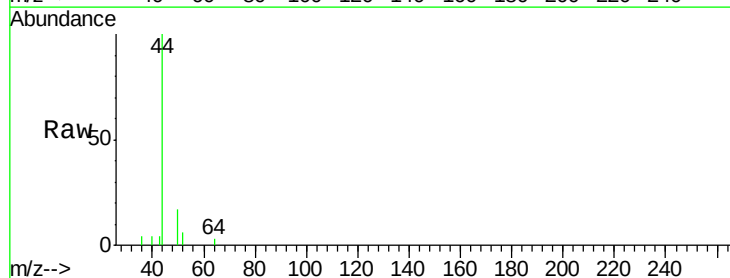
Acq: 30 Jun 2018 13:32

Tgt Ion: 50 Resp: 682

Ion Ratio Lower Upper

50 100

52 33.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D

Ion 51.90 (51.60 to 52.60): VU024502.D

1.32

800

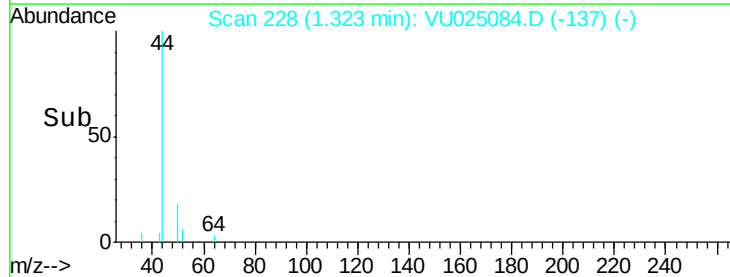
600

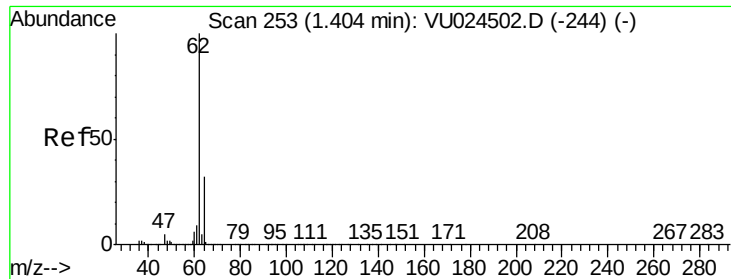
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.390 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

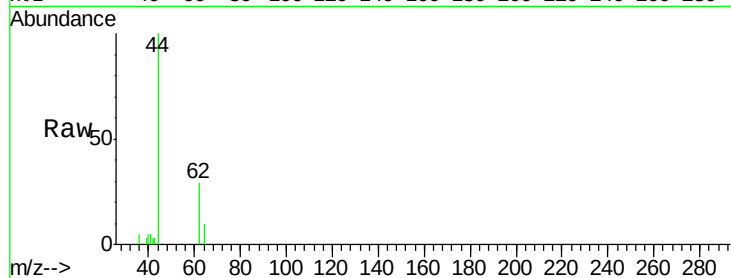
WP021SB489-23-25-180622DL

Tgt Ion: 62 Resp: 1085

Ion Ratio Lower Upper

62 100

64 33.4 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

1200

1000

800

600

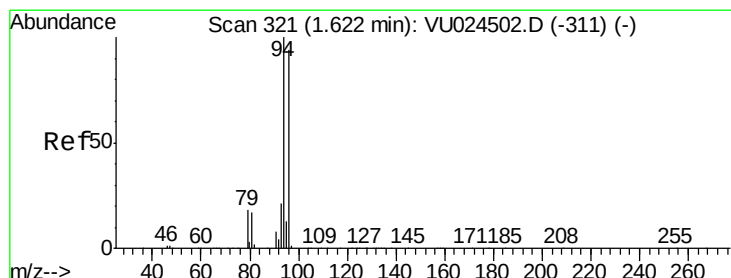
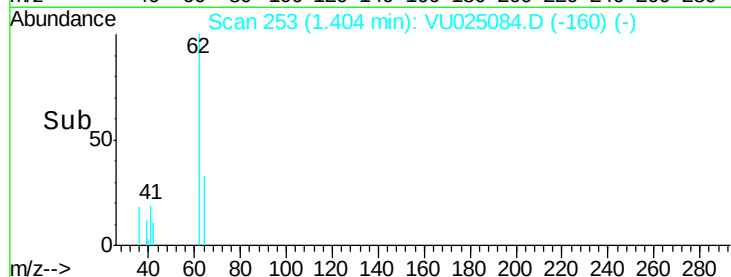
400

200

0

1.38 1.40 1.42 1.44

Time-->



#5

Bromomethane

Concen: 0.690 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025084.D

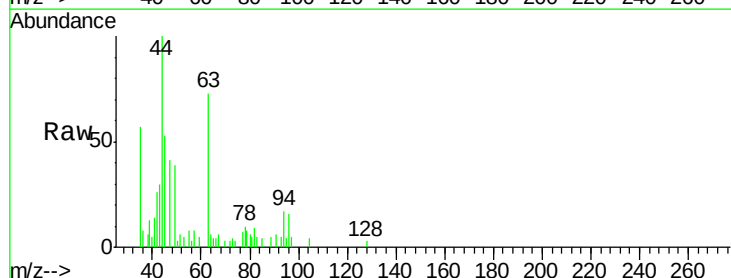
Acq: 30 Jun 2018 13:32

Tgt Ion: 94 Resp: 929

Ion Ratio Lower Upper

94 100

96 93.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

600

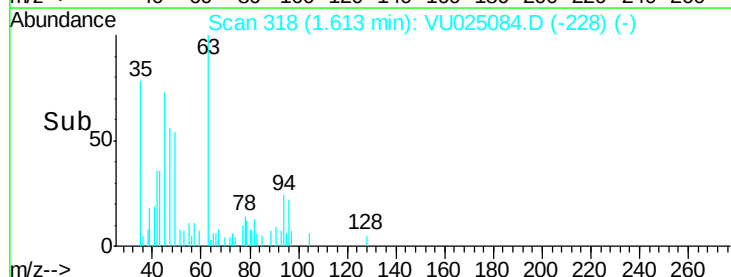
400

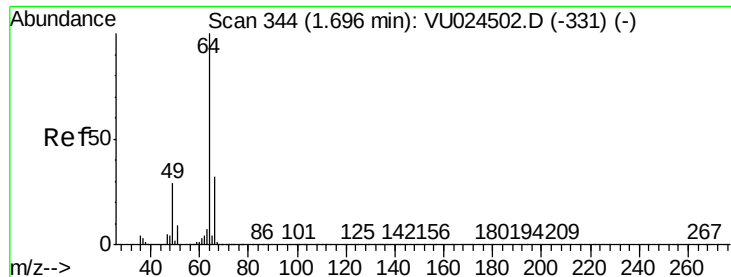
200

0

1.60 1.65

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 332

Delta R.T. -0.04 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

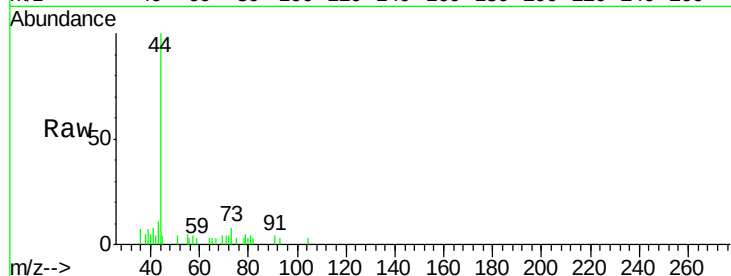
WP021SB489-23-25-180622DL

Tgt Ion: 64 Resp: 20

Ion Ratio Lower Upper

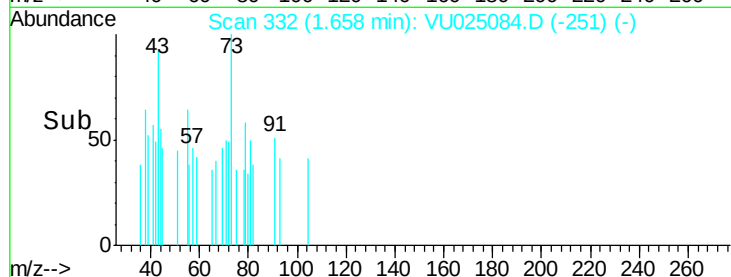
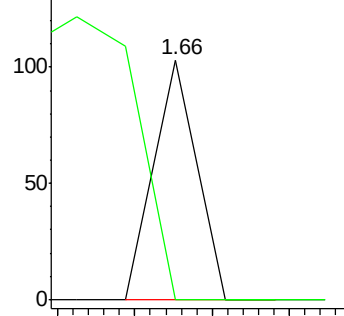
64 100

66 0.0 25.5 38.3#

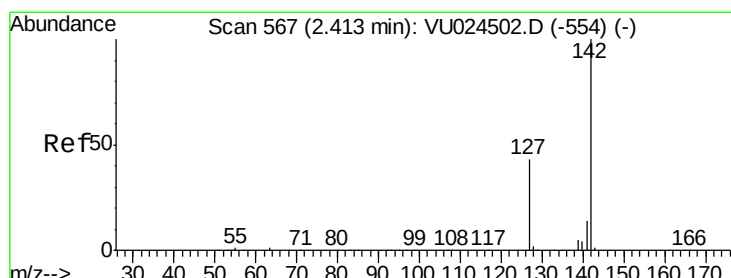


Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->



#10

Methyl Iodide

Concen: 5.646 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

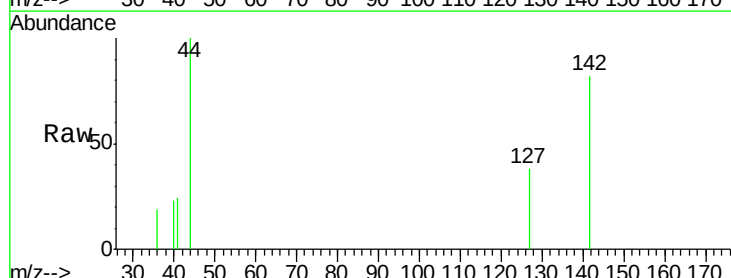
Tgt Ion: 142 Resp: 891

Ion Ratio Lower Upper

142 100

127 29.3 35.6 53.4#

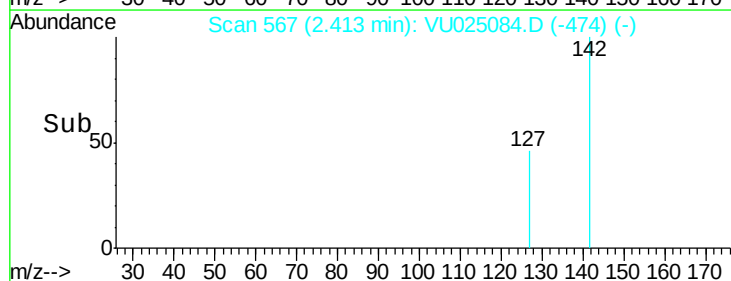
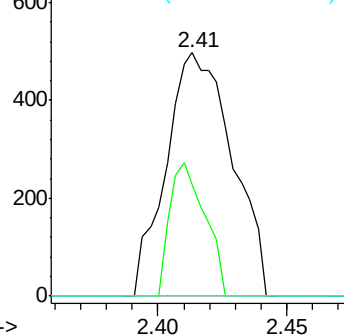
141 0.0 11.7 17.5#



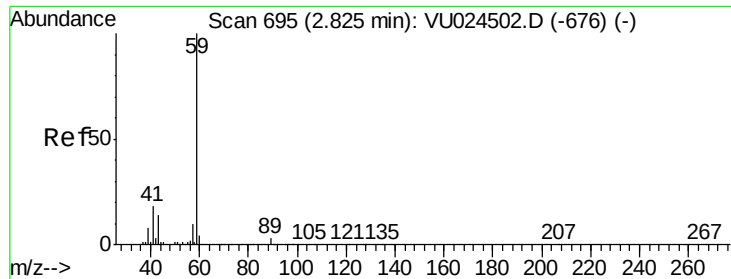
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



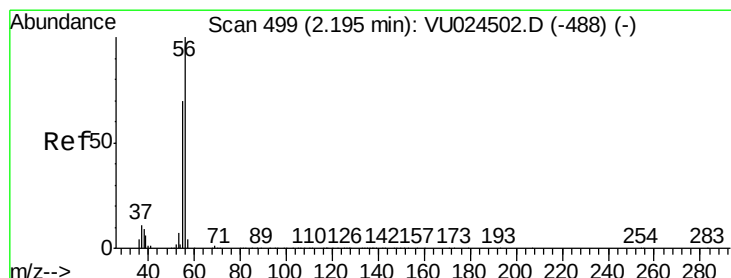
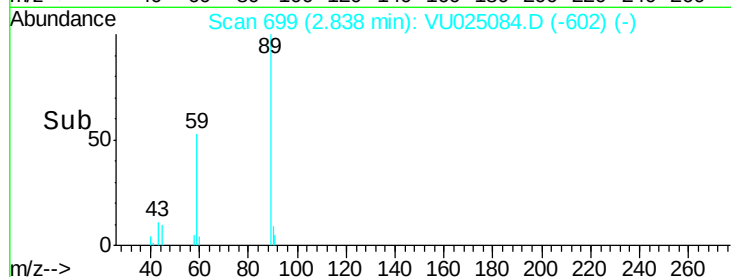
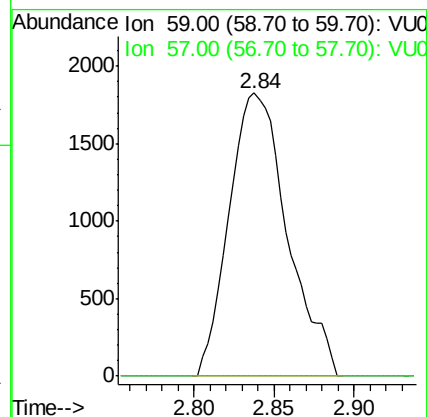
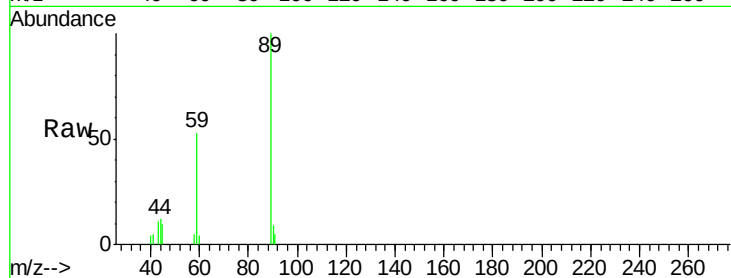
Time-->



#11
Tert butyl alcohol
Concen: 5.453 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU025084.D
Acq: 30 Jun 2018 13:32

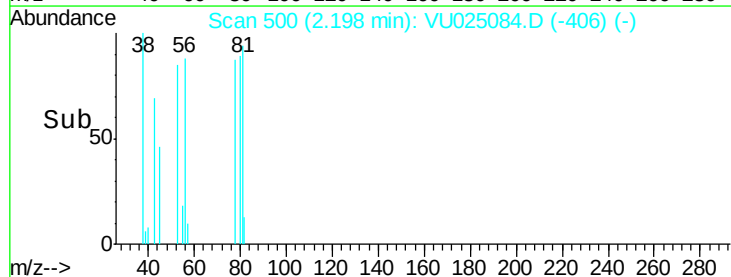
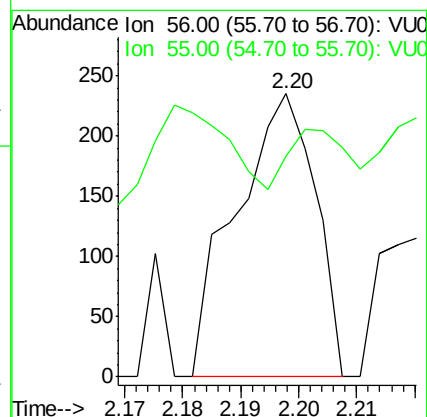
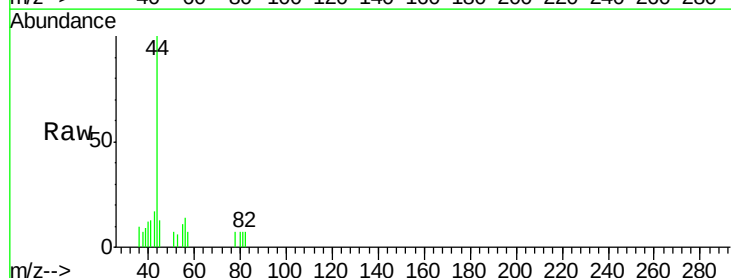
Instrument :
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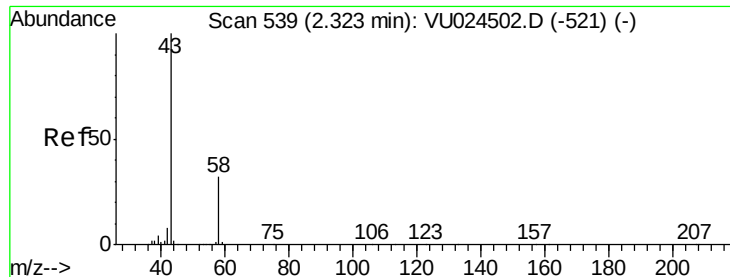
Tgt Ion: 59 Resp: 4570
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.507 ug/l
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU025084.D
Acq: 30 Jun 2018 13:32

Tgt Ion: 56 Resp: 223
Ion Ratio Lower Upper
56 100
55 15.2 58.4 87.6#





#16

Acetone

Concen: 0.452 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

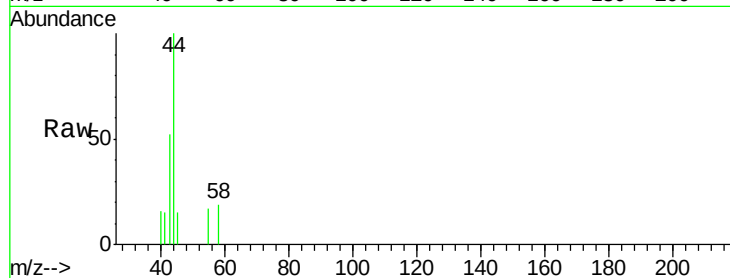
WP021SB489-23-25-180622DL

Tgt Ion: 43 Resp: 837

Ion Ratio Lower Upper

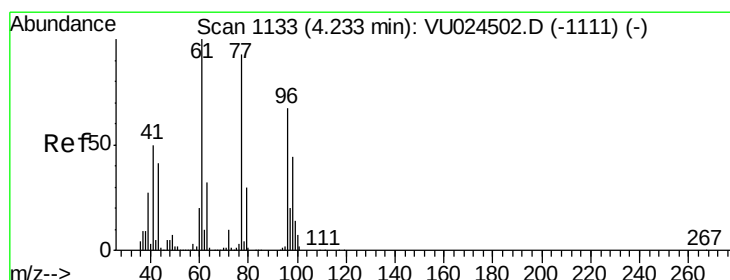
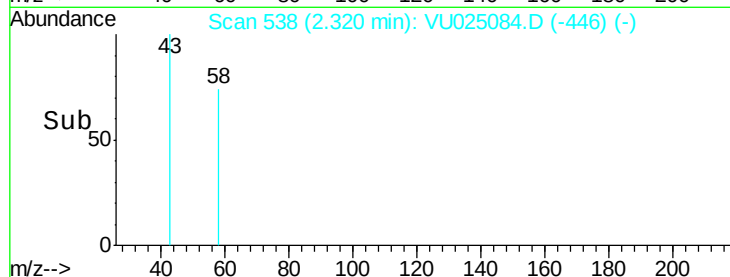
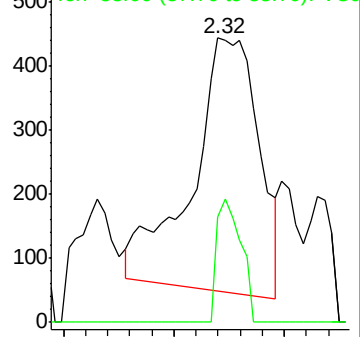
43 100

58 49.5 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 24.998 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

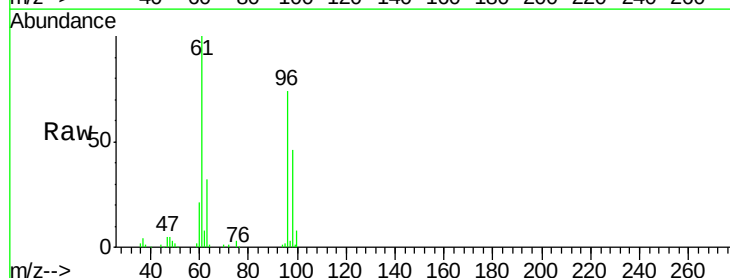
Tgt Ion: 96 Resp: 76074

Ion Ratio Lower Upper

96 100

61 131.7 0.0 306.6

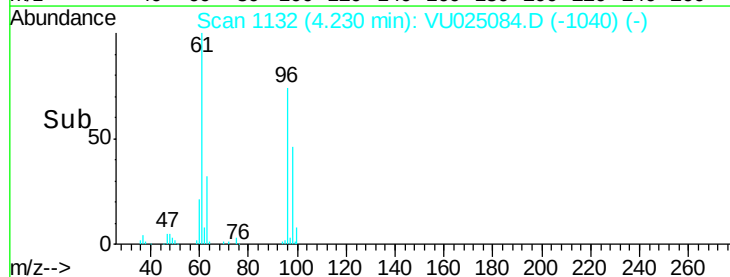
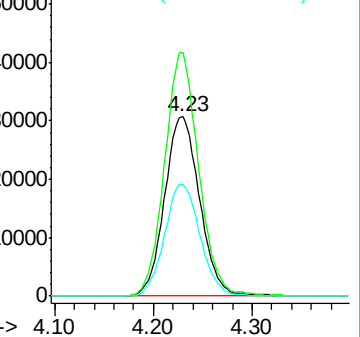
98 63.2 0.0 128.8

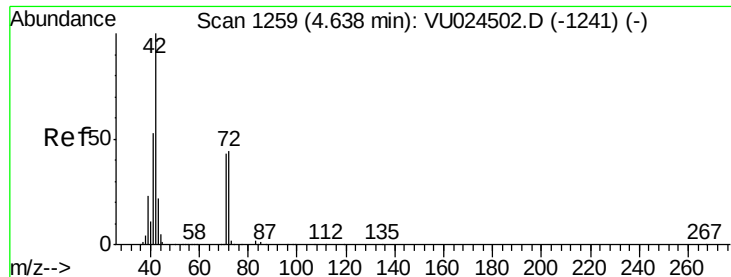


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#29

Tetrahydrofuran

Concen: 0.418 ug/l

RT: 4.65 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

Instrument :

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ClientSampleId :

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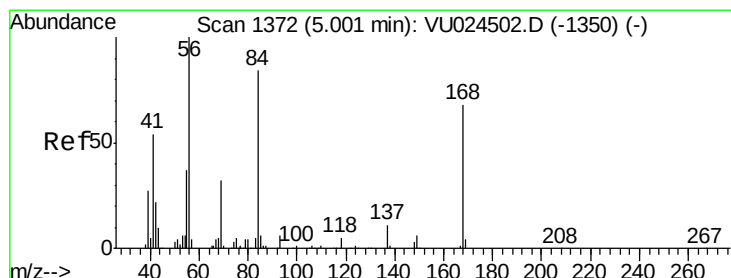
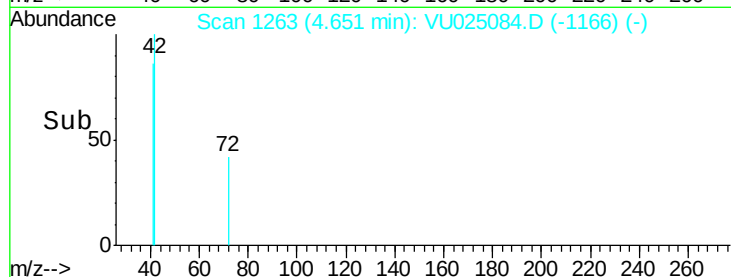
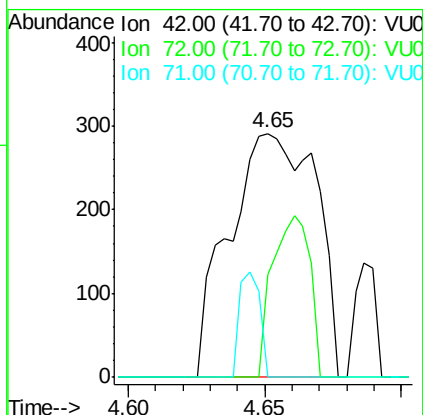
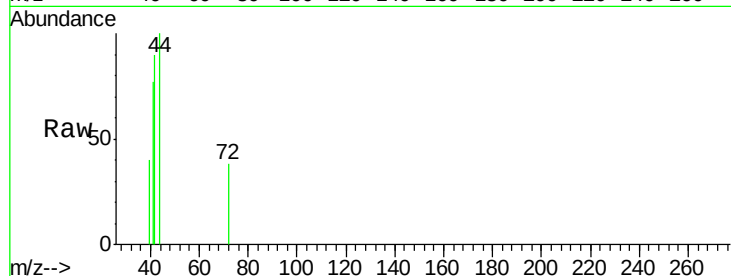
Tgt Ion: 42 Resp: 643

Ion Ratio Lower Upper

42 100

72 28.6 34.5 51.7#

71 10.3 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

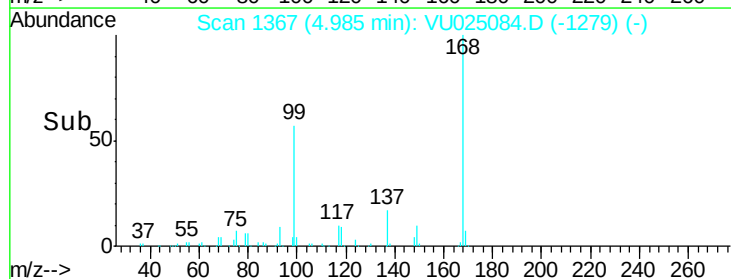
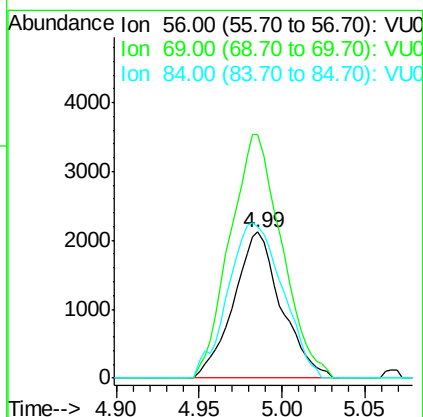
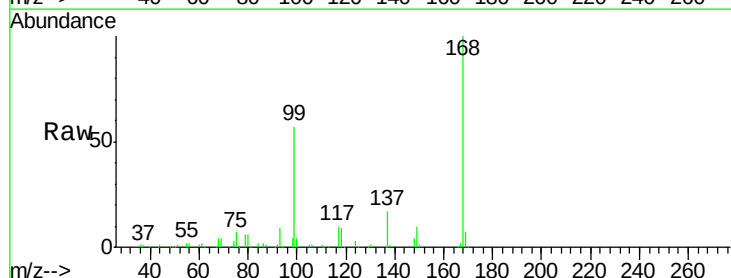
Tgt Ion: 56 Resp: 4242

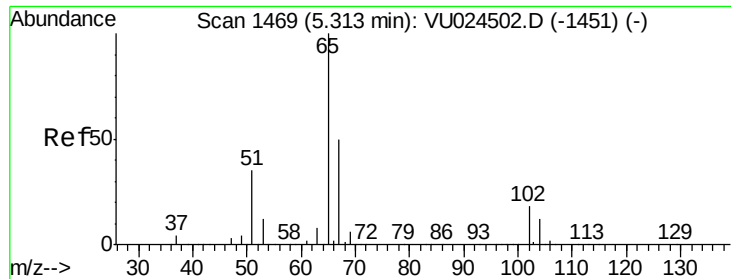
Ion Ratio Lower Upper

56 100

69 166.9 24.8 37.2#

84 104.2 65.2 97.8#

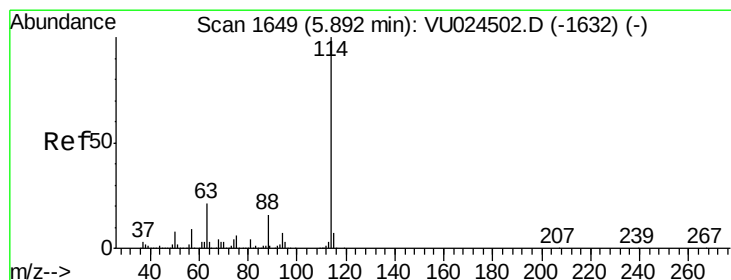
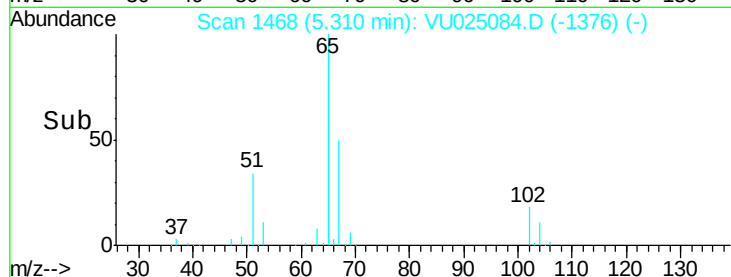
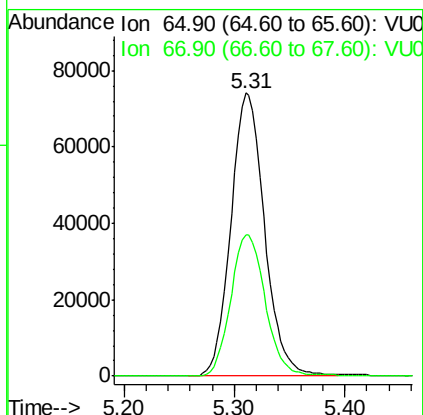
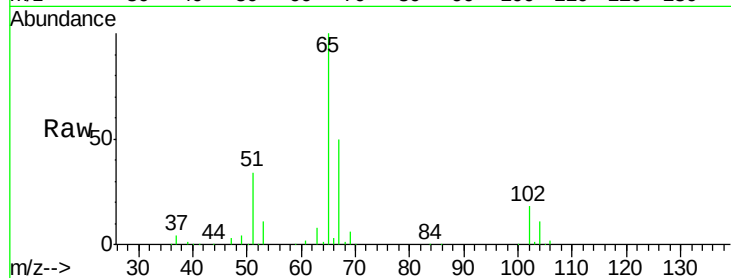




#33
 1,2-Dichloroethane-d4
 Concen: 45.568 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025084.D
 Acq: 30 Jun 2018 13:32

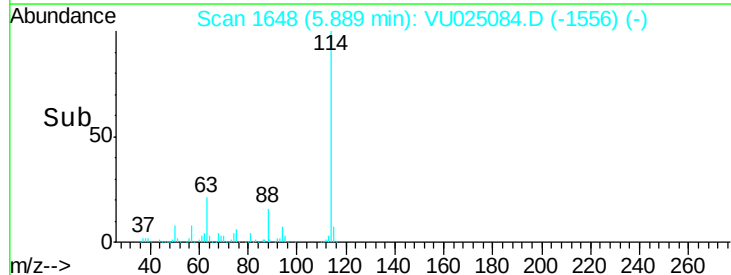
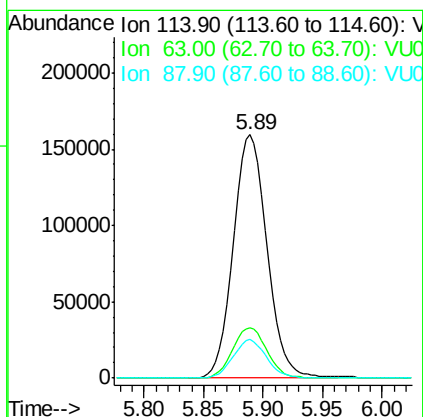
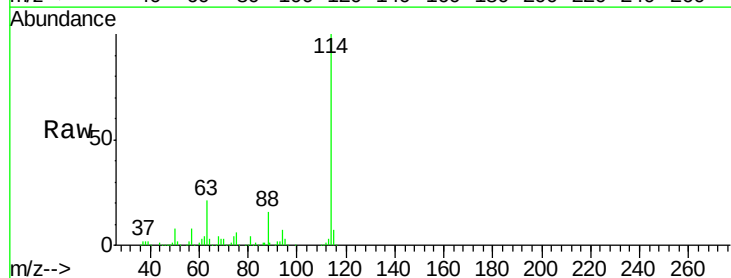
Instrument :
 MSVOA_U
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 WP021SB489-23-25-180622DL

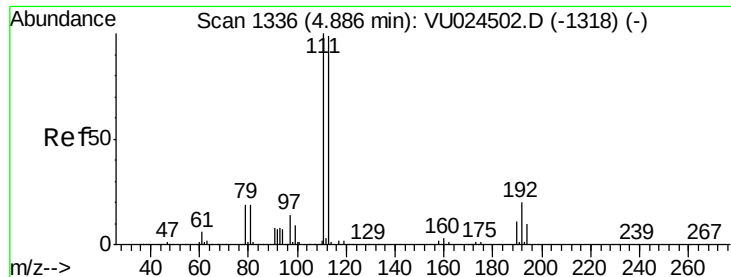
Tgt Ion: 65 Resp: 157018
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025084.D
 Acq: 30 Jun 2018 13:32

Tgt Ion: 114 Resp: 314309
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.4
 88 15.8 0.0 31.0

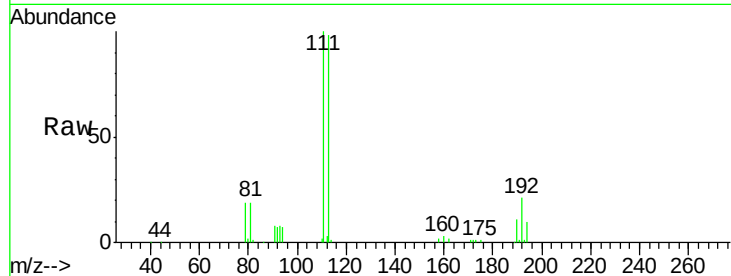




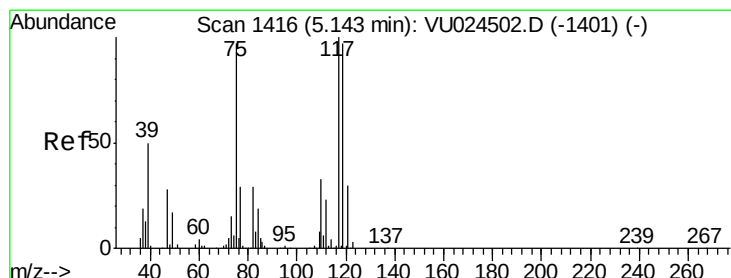
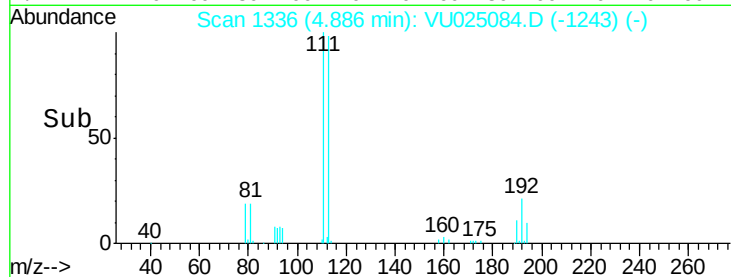
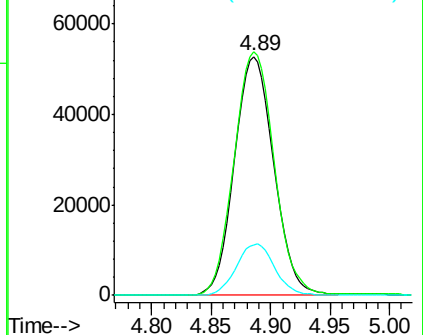
#35
 Dibromofluoromethane
 Concen: 46.525 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025084.D
 Acq: 30 Jun 2018 13:32

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-23-25-180622DL

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	21.0	16.2	24.4

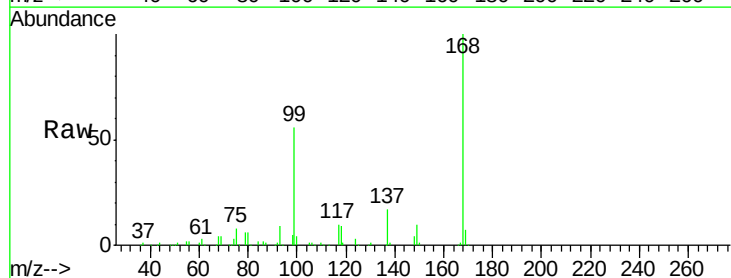


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

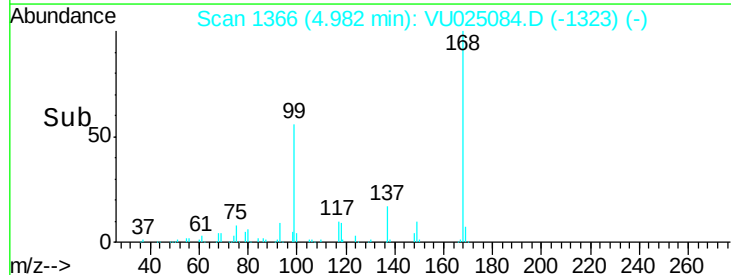
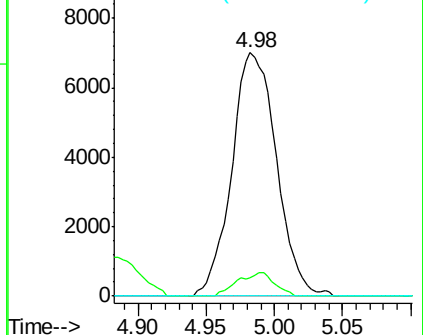


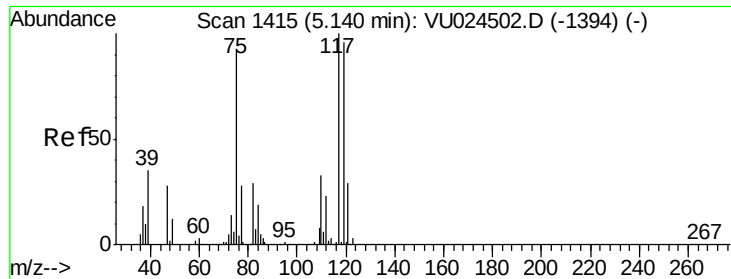
#36
 1,1-Dichloropropene
 Concen: 4.324 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU025084.D
 Acq: 30 Jun 2018 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.0	50.9#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.873 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.16 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-23-25-180622DL

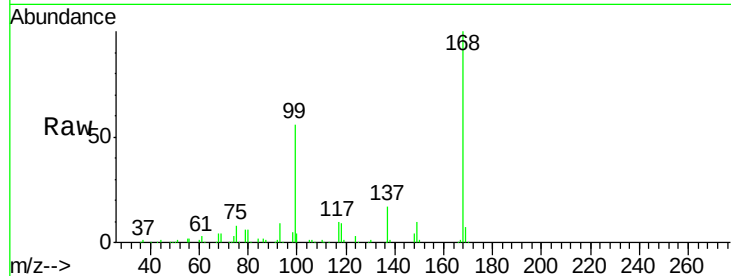
Tgt Ion:117 Resp: 19790

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

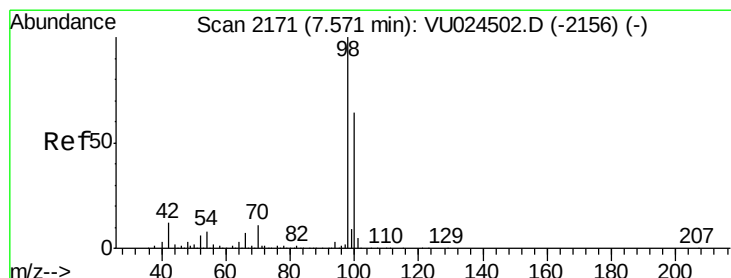
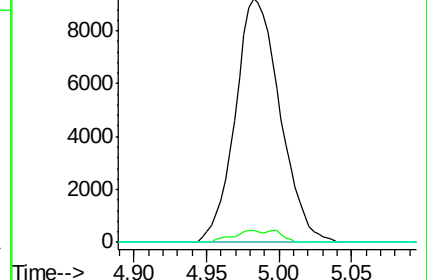
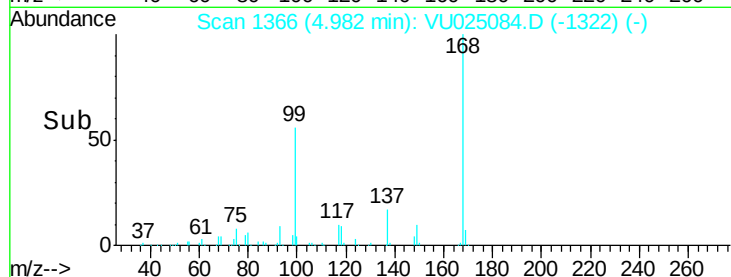
121 0.0 23.7 35.5#



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: 47.441 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025084.D

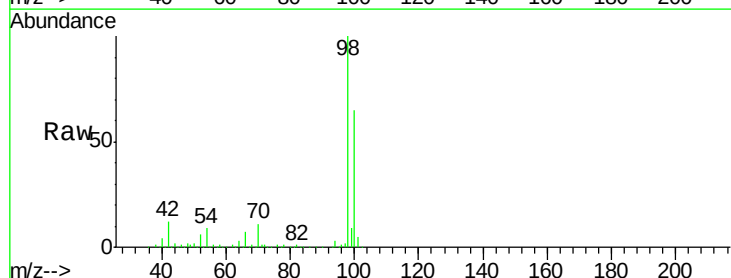
Acq: 30 Jun 2018 13:32

Tgt Ion: 98 Resp: 451396

Ion Ratio Lower Upper

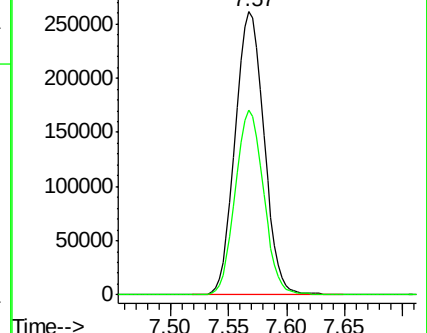
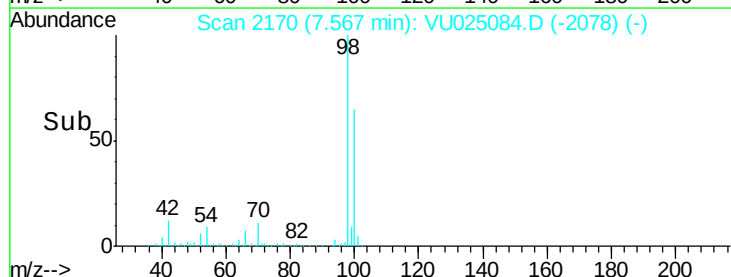
98 100

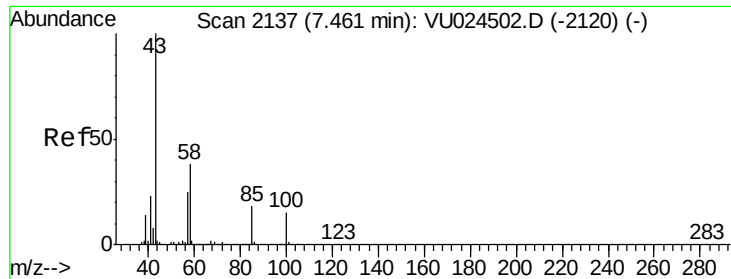
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

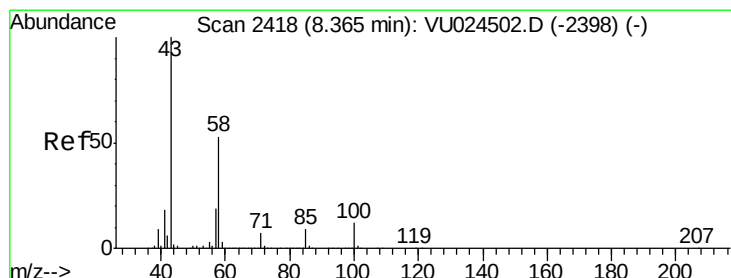
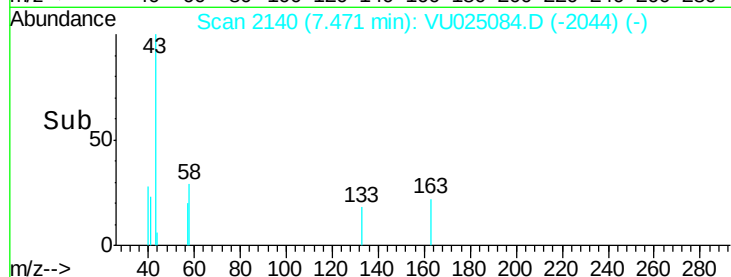
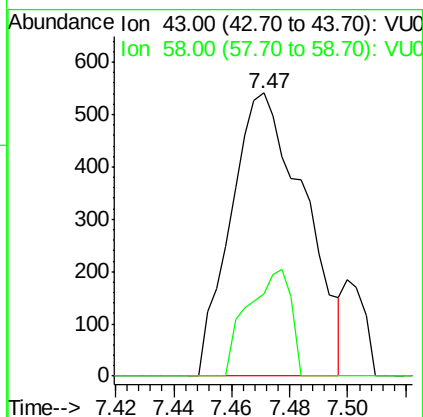
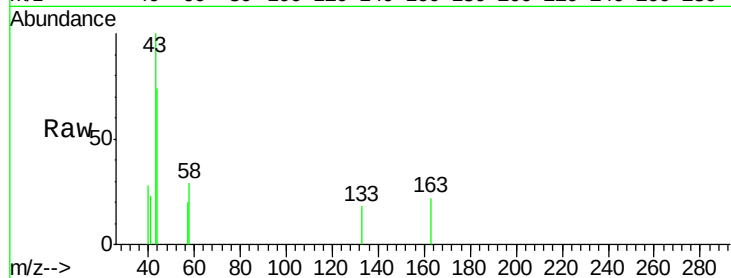




#51
 4-Methyl-2-Pentanone
 Concen: 0.219 ug/l
 RT: 7.47 min Scan# 2140
 Delta R.T. 0.01 min
 Lab File: VU025084.D
 Acq: 30 Jun 2018 13:32

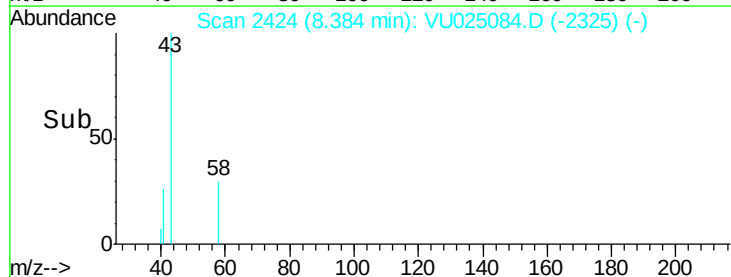
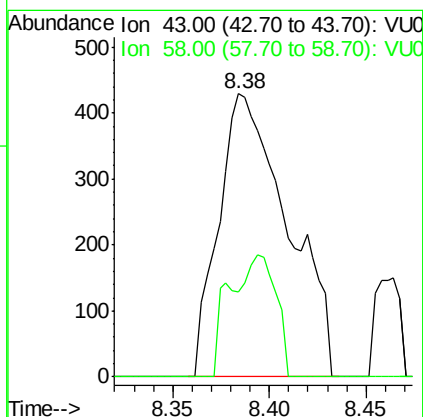
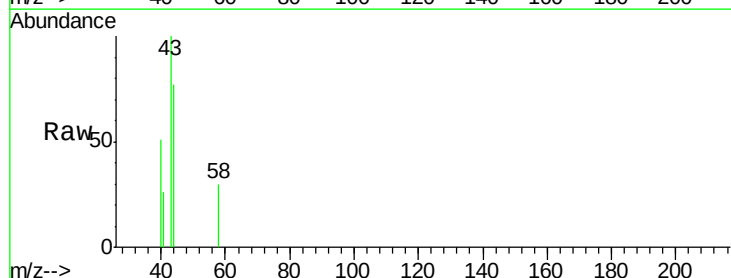
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-23-25-180622DL

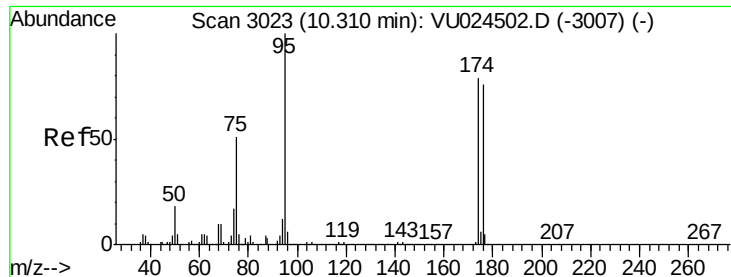
Tgt Ion: 43 Resp: 959
 Ion Ratio Lower Upper
 43 100
 58 21.9 30.0 45.0#



#59
 2-Hexanone
 Concen: 0.298 ug/l
 RT: 8.38 min Scan# 2424
 Delta R.T. 0.02 min
 Lab File: VU025084.D
 Acq: 30 Jun 2018 13:32

Tgt Ion: 43 Resp: 1064
 Ion Ratio Lower Upper
 43 100
 58 9.8 26.4 79.0#

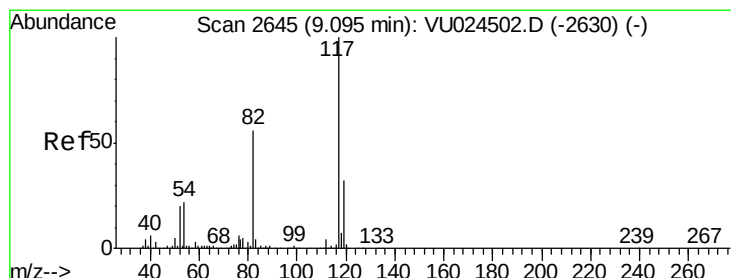
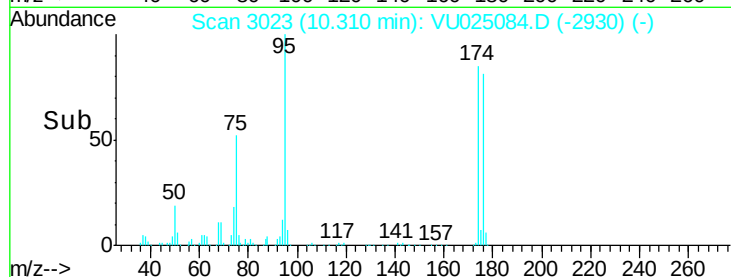
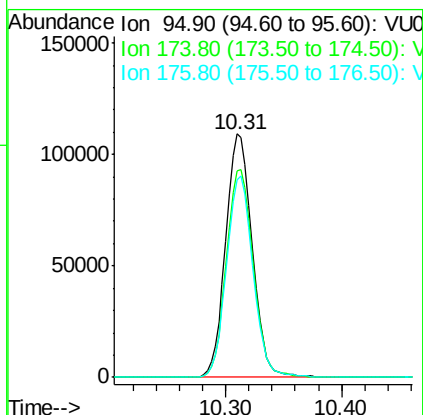
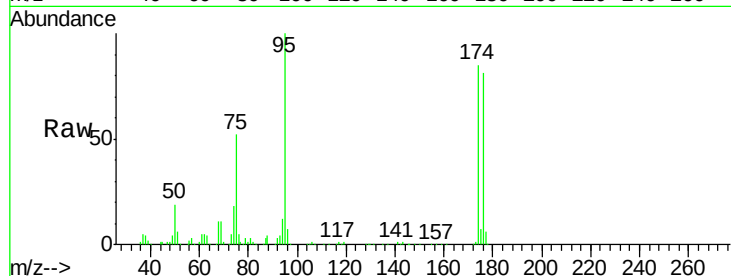




#62
4-Bromofluorobenzene
Concen: 45.711 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025084.D
Acq: 30 Jun 2018 13:32

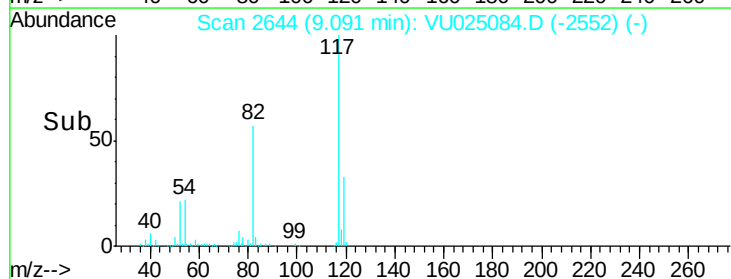
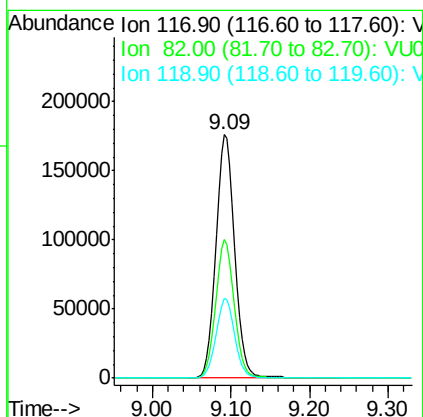
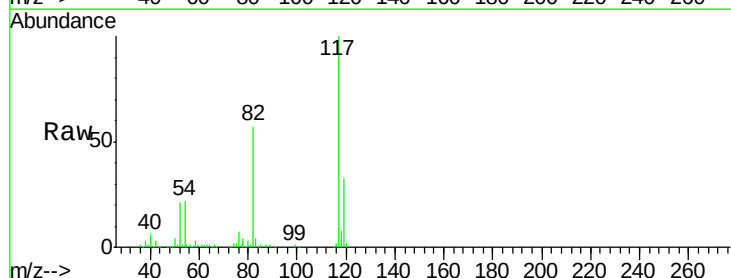
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-23-25-180622DL

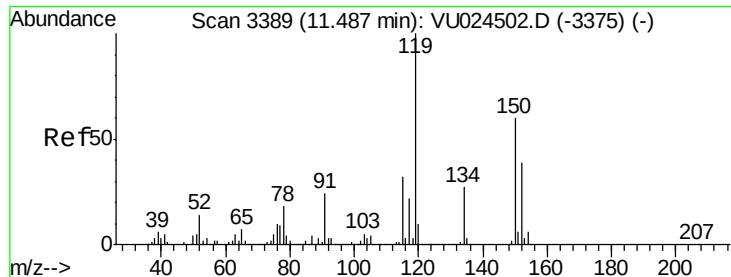
Tgt Ion: 95 Resp: 172684
Ion Ratio Lower Upper
95 100
174 86.6 0.0 165.8
176 82.2 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025084.D
Acq: 30 Jun 2018 13:32

Tgt Ion: 117 Resp: 288935
Ion Ratio Lower Upper
117 100
82 57.2 44.3 66.5
119 32.5 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-23-25-180622DL

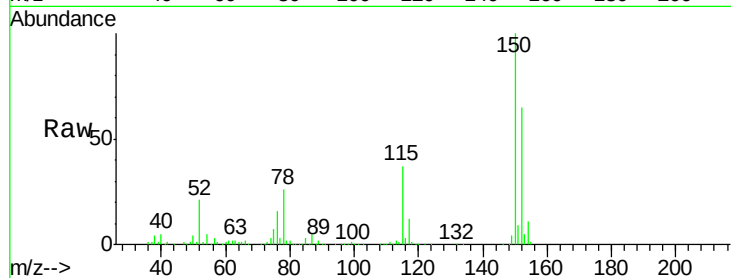
Tgt Ion:152 Resp: 163875

Ion Ratio Lower Upper

152 100

115 57.6 43.0 129.0

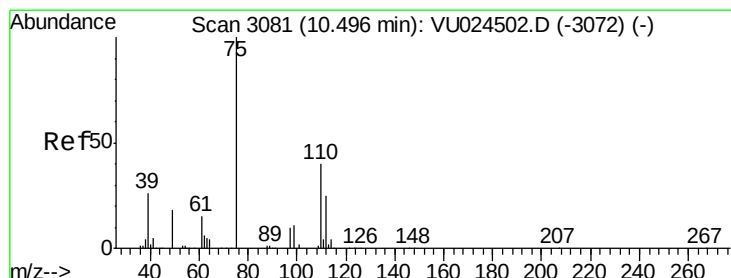
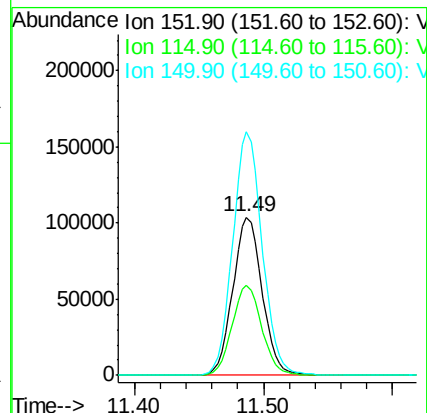
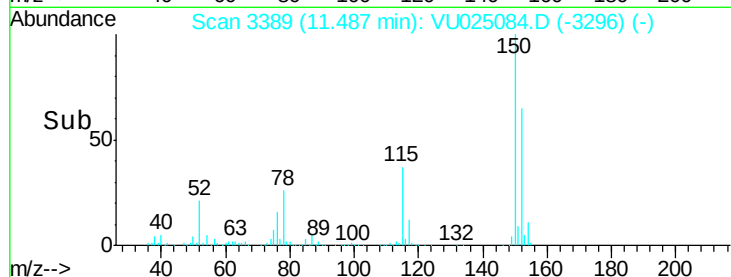
150 155.2 0.0 354.0



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: 24.899 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025084.D

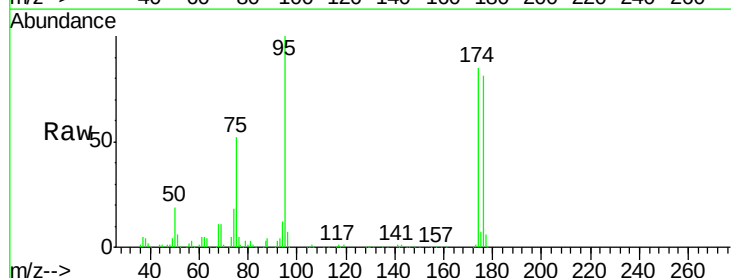
Acq: 30 Jun 2018 13:32

Tgt Ion: 75 Resp: 89833

Ion Ratio Lower Upper

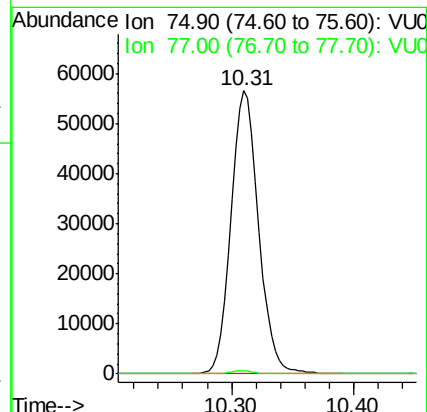
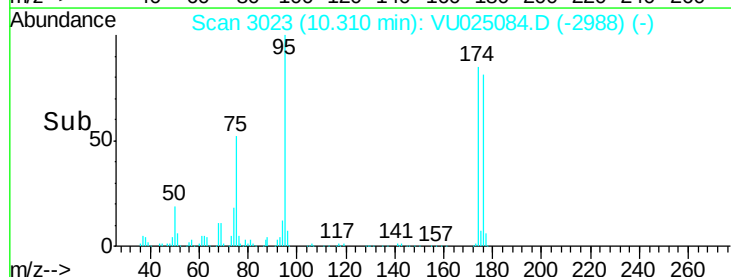
75 100

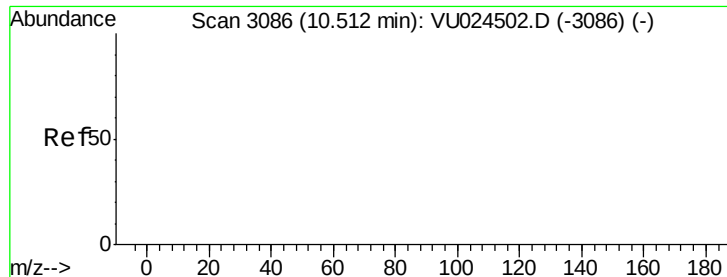
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

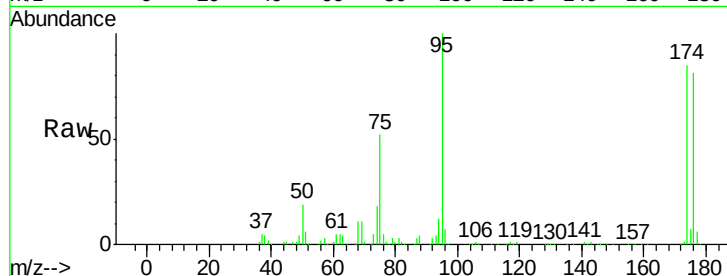




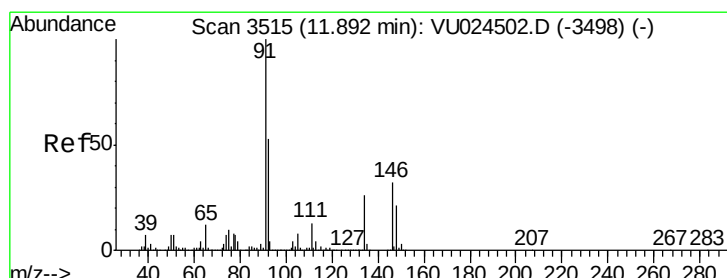
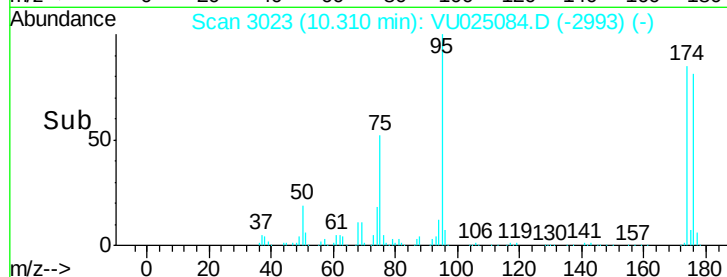
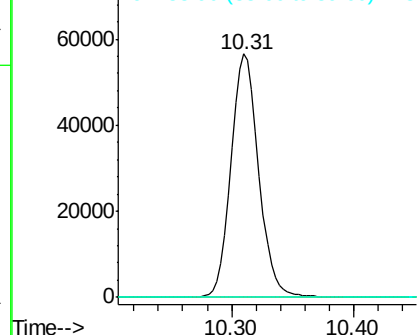
#81
trans-1,4-Dichloro-2-butene
Concen: 57.626 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025084.D
Acq: 30 Jun 2018 13:32

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-23-25-180622DL

Tgt Ion: 75 Resp: 89833
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

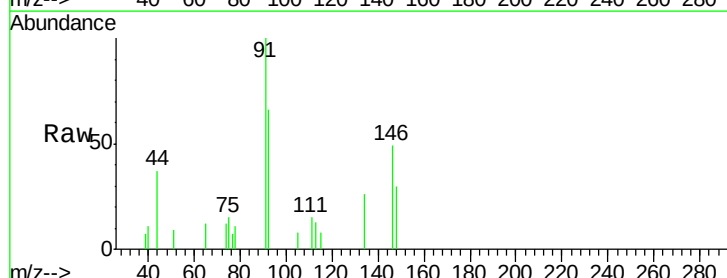


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

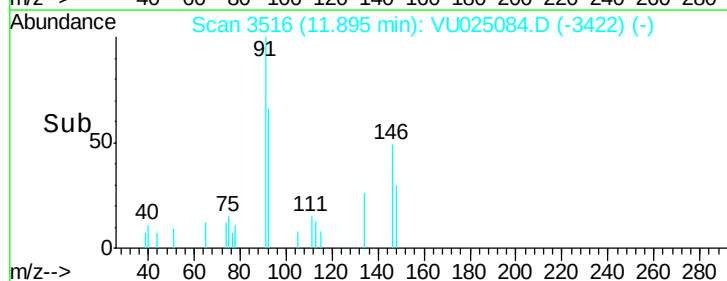
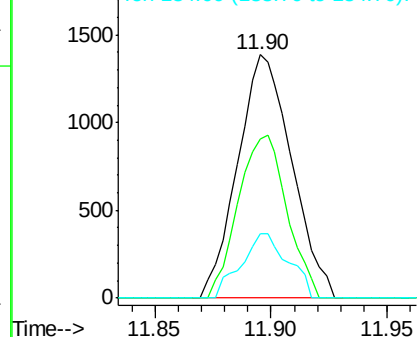


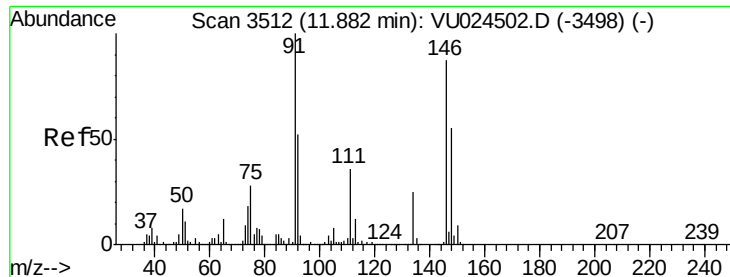
#89
n-Butylbenzene
Concen: 0.215 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025084.D
Acq: 30 Jun 2018 13:32

Tgt Ion: 91 Resp: 2247
Ion Ratio Lower Upper
91 100
92 60.3 25.6 76.8
134 22.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

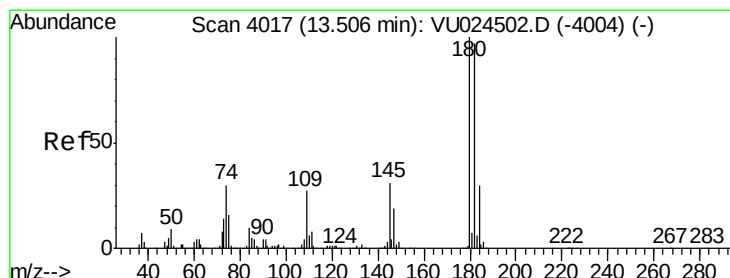
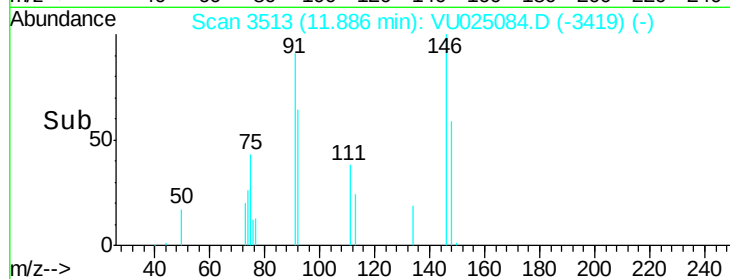
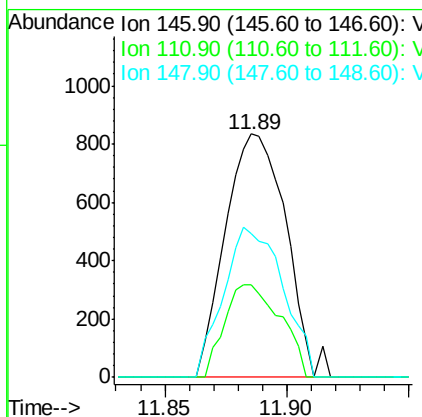
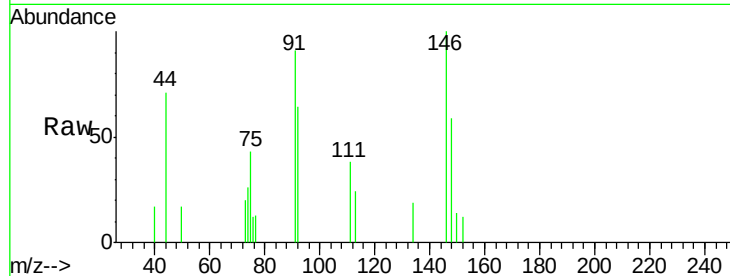




#91
 1,2-Dichlorobenzene
 Concen: 0.244 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025084.D
 Acq: 30 Jun 2018 13:32

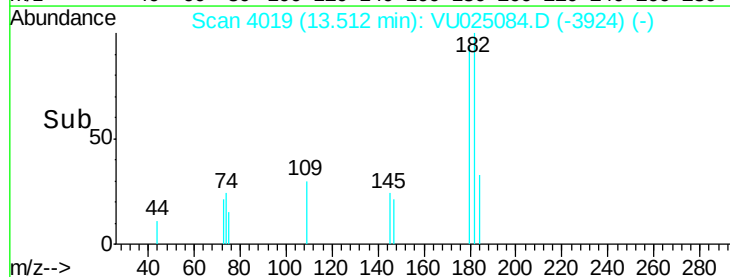
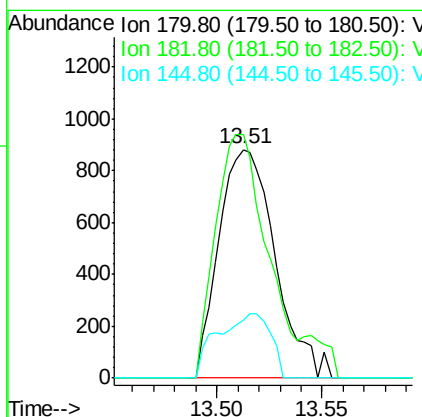
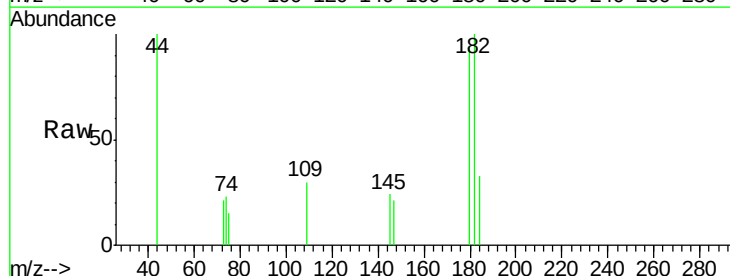
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-23-25-180622DL

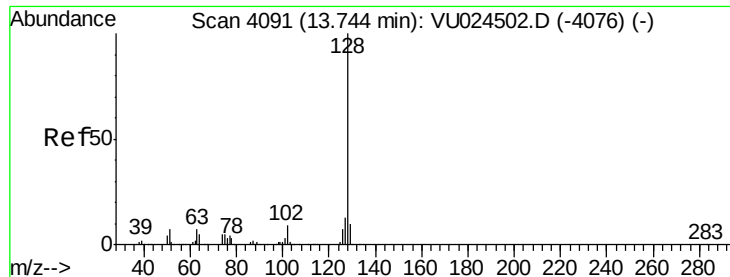
Tgt Ion:146 Resp: 1437
 Ion Ratio Lower Upper
 146 100
 111 35.2 20.5 61.6
 148 60.8 31.9 95.7



#93
 1,2,4-Trichlorobenzene
 Concen: 0.448 ug/l
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU025084.D
 Acq: 30 Jun 2018 13:32

Tgt Ion:180 Resp: 1632
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.0 144.2
 145 26.7 14.7 44.1





#95

Naphthalene

Concen: 1.638 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-23-25-180622DL

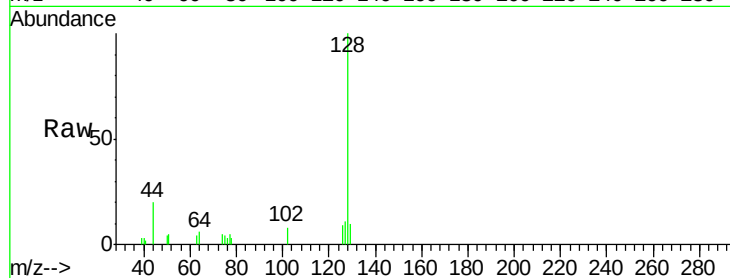
Tgt Ion:128 Resp: 11712

Ion Ratio Lower Upper

128 100

127 11.7 10.6 16.0

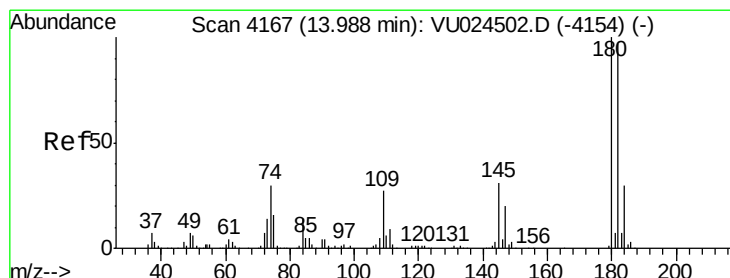
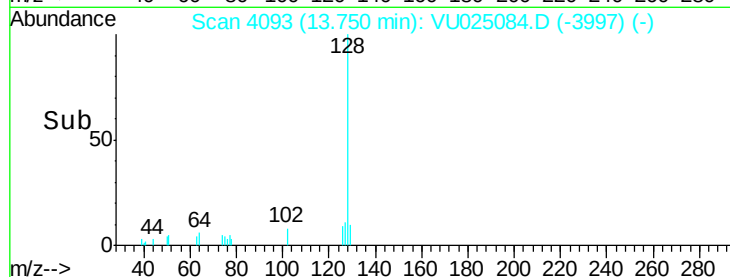
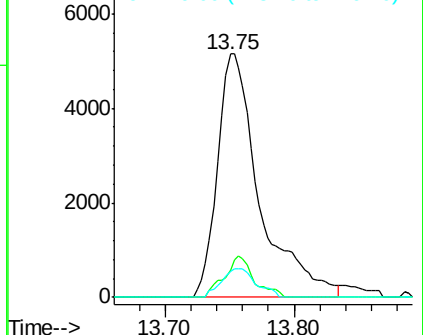
129 9.6 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.545 ug/l

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU025084.D

Acq: 30 Jun 2018 13:32

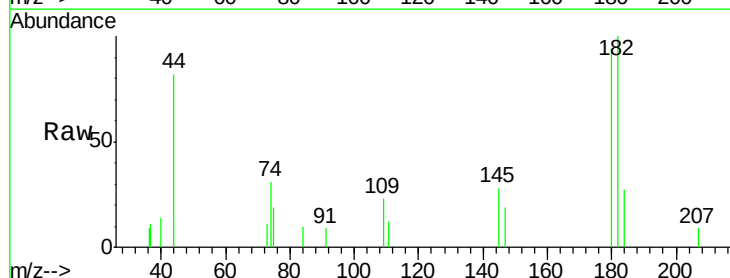
Tgt Ion:180 Resp: 1978

Ion Ratio Lower Upper

180 100

182 103.8 47.9 143.7

145 23.6 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

