

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
 Data File : VU028513.D
 Acq On : 06 Dec 2018 20:04
 Operator : MD/SY
 Sample : J6252-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 06:17:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

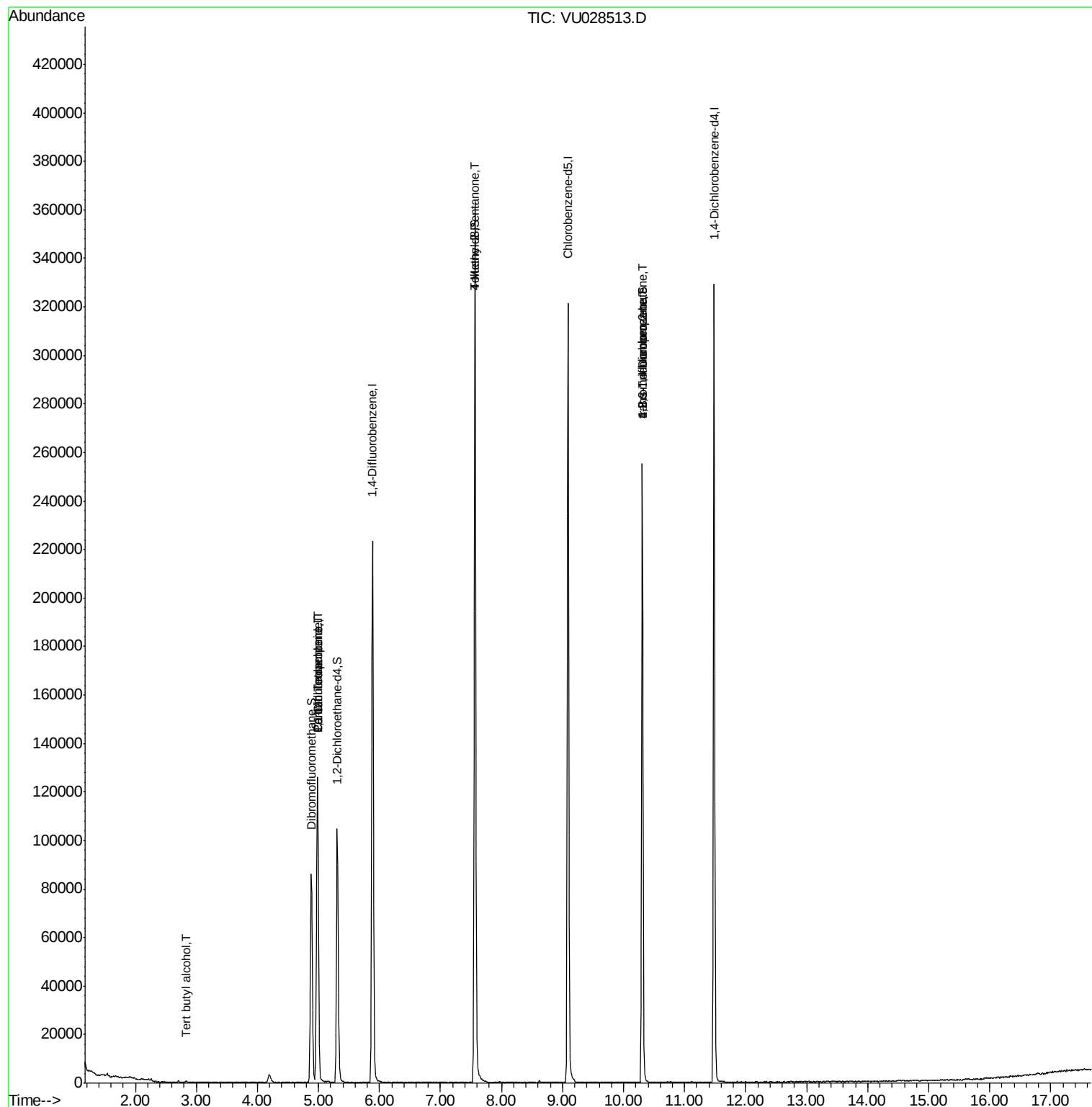
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	95103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	180137	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80104	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	82407	56.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.56%	
35) Dibromofluoromethane	4.88	113	60732	53.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.14%	
50) Toluene-d8	7.57	98	236144	52.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	10.30	95	86350	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.04%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.84	59	278	0.860	ug/l #	73
31) Cyclohexane	4.98	56	2559	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	8270	4.195	ug/l #	50
38) Carbon Tetrachloride	4.99	117	9545	6.008	ug/l #	15
51) 4-Methyl-2-Pentanone	7.56	43	1190	0.468	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	45037	22.018	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	45037	54.092	ug/l #	100

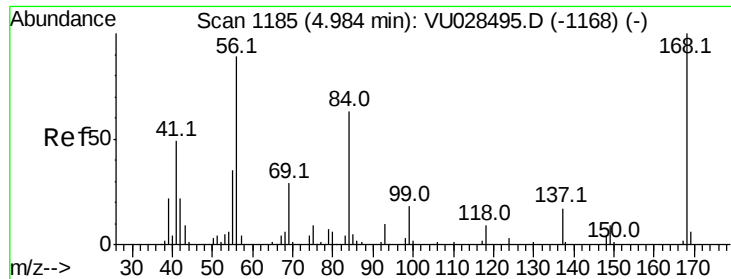
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028513.D

Acq: 06 Dec 2018 20:04

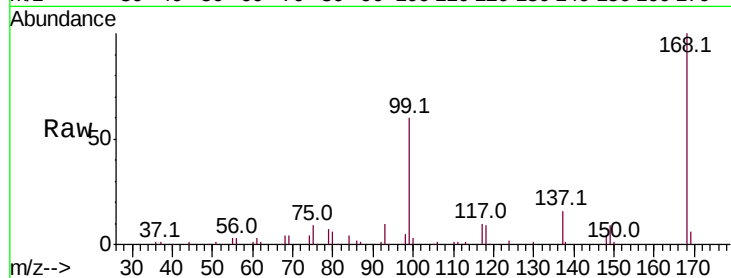
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 95103

Ion Ratio Lower Upper

168 100

99 60.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

50000

40000

30000

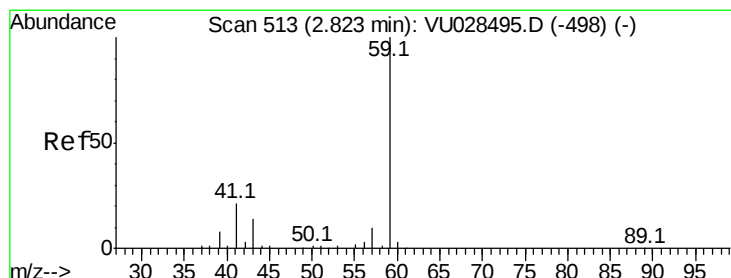
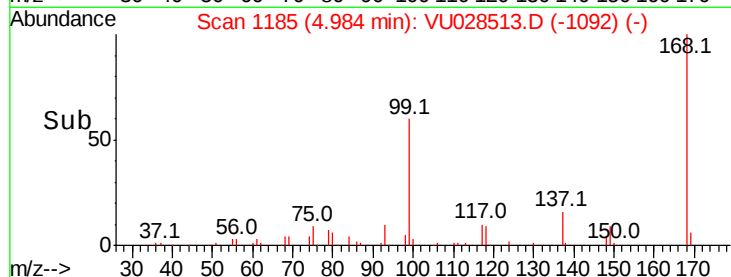
20000

10000

0

4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 0.860 ug/l

RT: 2.84 min Scan# 513

Delta R.T. 0.02 min

Lab File: VU028513.D

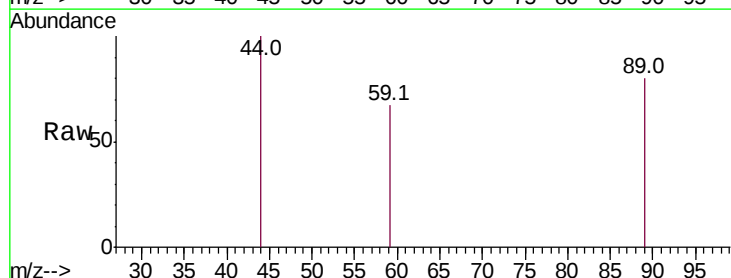
Acq: 06 Dec 2018 20:04

Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)

2.84

200

150

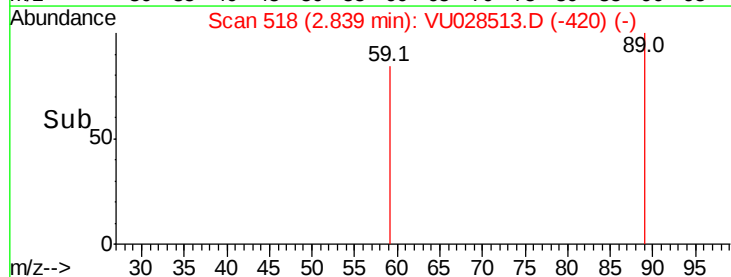
100

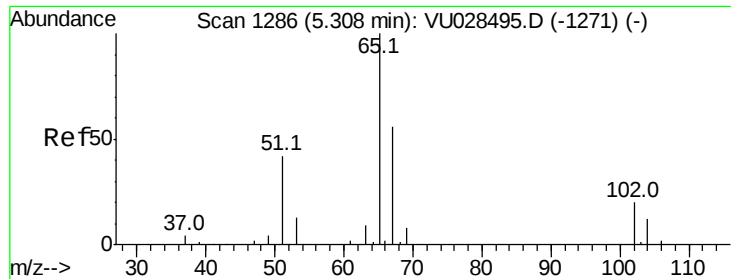
50

0

2.80 2.82 2.84 2.86

Time-->

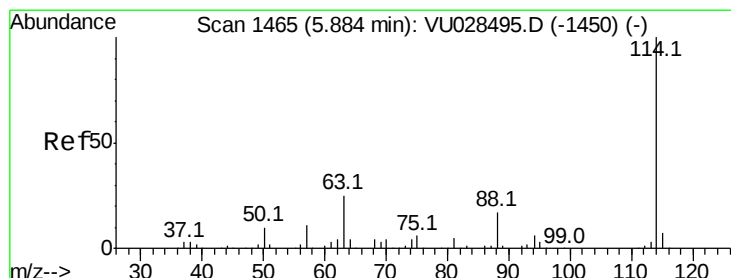
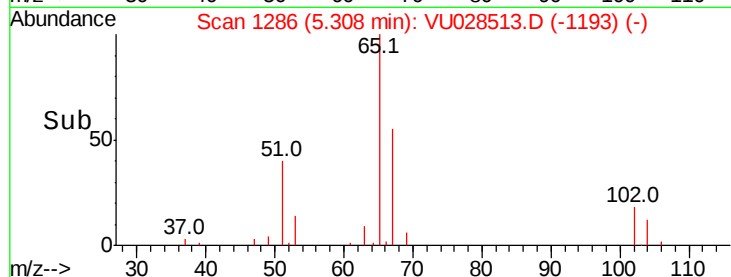
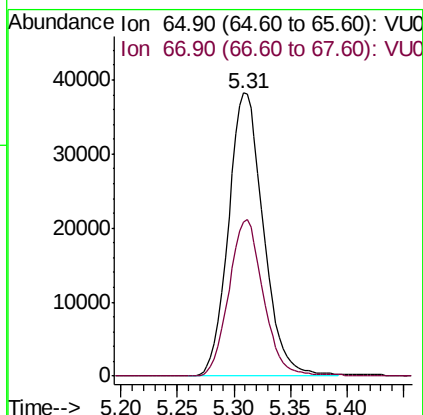
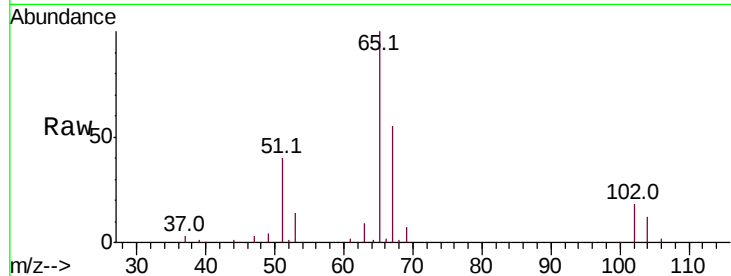




#33
 1,2-Dichloroethane-d4
 Concen: 56.780 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028513.D
 Acq: 06 Dec 2018 20:04

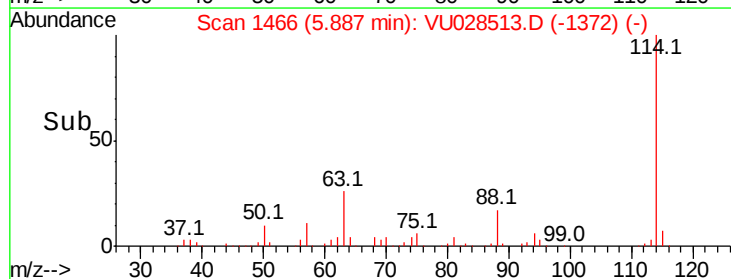
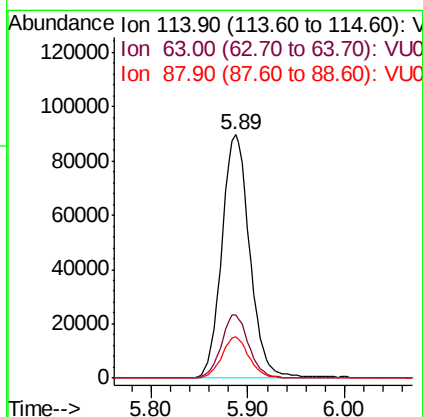
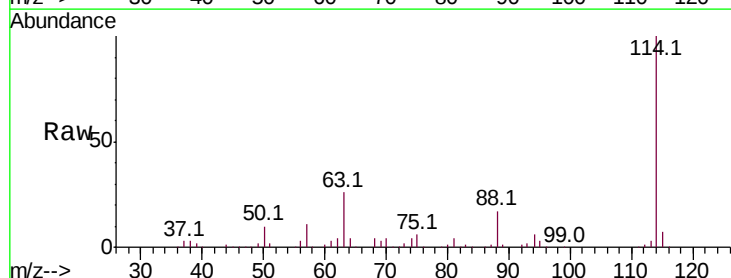
Instrument :
 MSVOA_U
 ClientSampled :

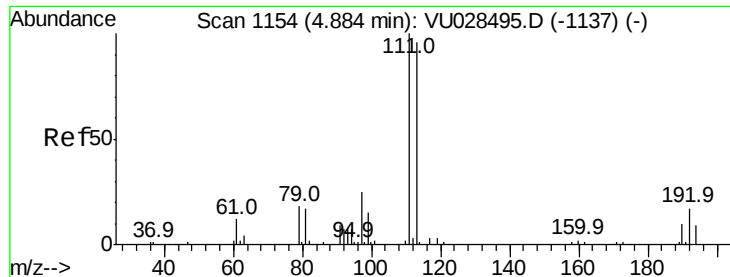
Tot Ion: 65 Resp: 82407
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028513.D
 Acq: 06 Dec 2018 20:04

Tgt Ion: 114 Resp: 180137
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 49.2
 88 16.9 0.0 33.4

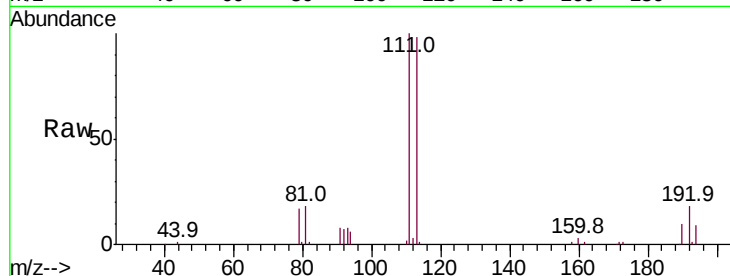




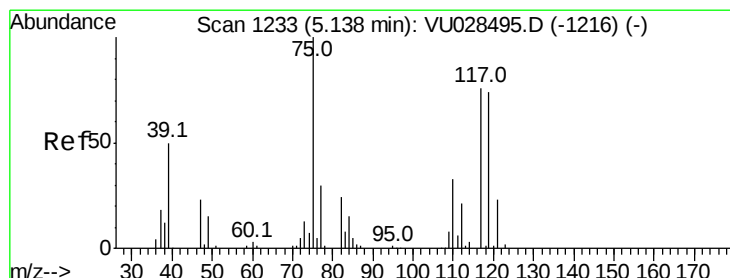
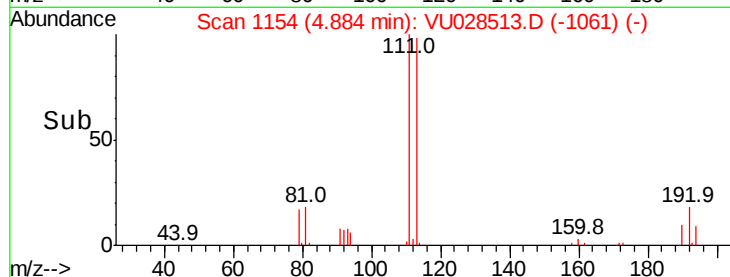
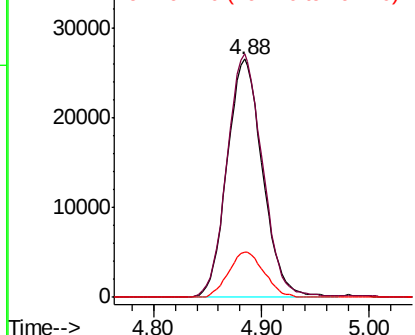
#35
 Dibromofluoromethane
 Concen: 53.574 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028513.D
 Acq: 06 Dec 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:113 Resp: 60732
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.4 125.0
 192 18.9 14.8 22.2

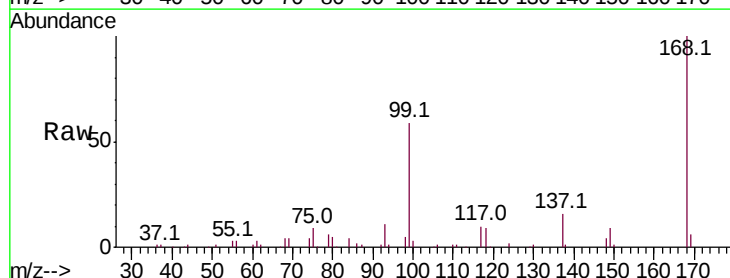


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

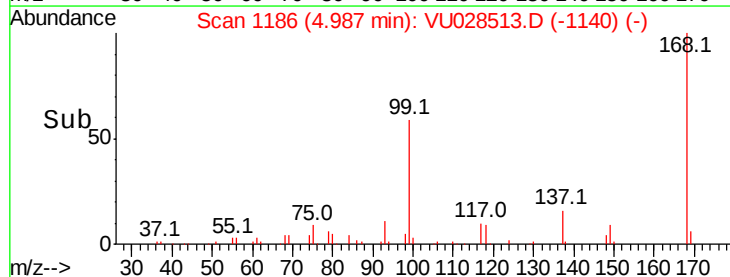
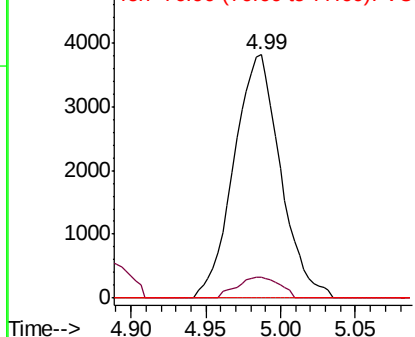


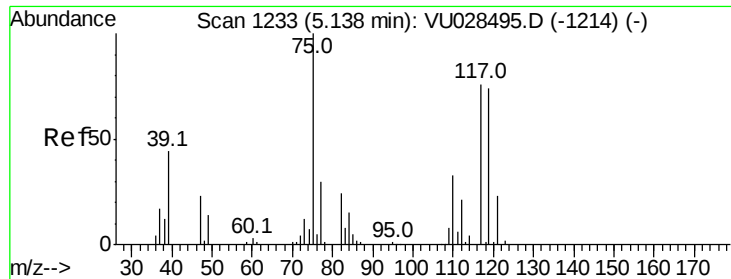
#36
 1,1-Dichloropropene
 Concen: 4.195 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028513.D
 Acq: 06 Dec 2018 20:04

Tgt Ion: 75 Resp: 8270
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.1 48.2#
 77 0.0 24.5 36.7#



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: 6.008 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028513.D

Acq: 06 Dec 2018 20:04

Instrument :
MSVOA_U
ClientSampled :

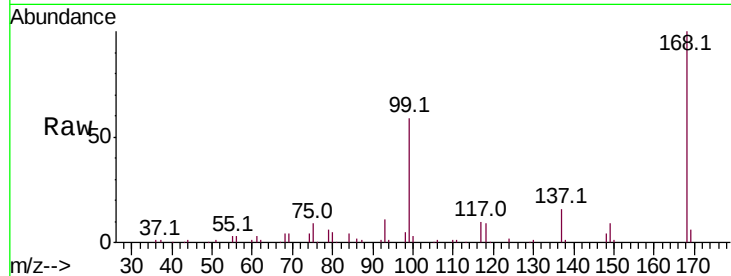
Tot Ion:117 Resp: 9545

Ion Ratio Lower Upper

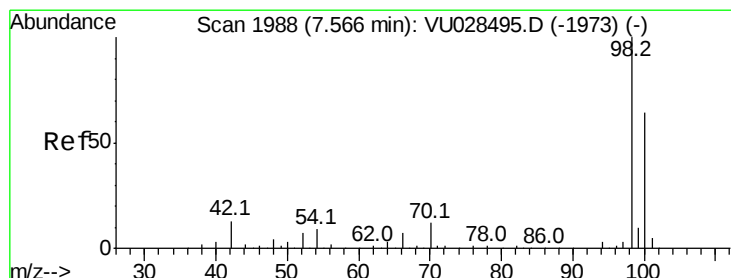
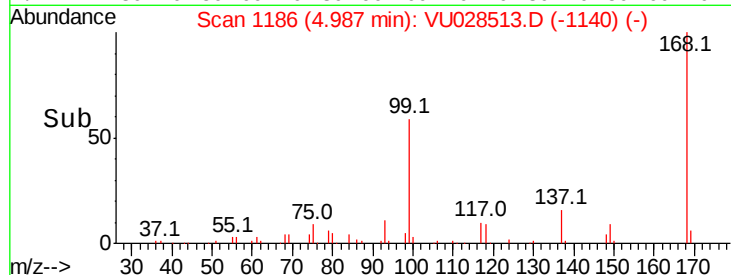
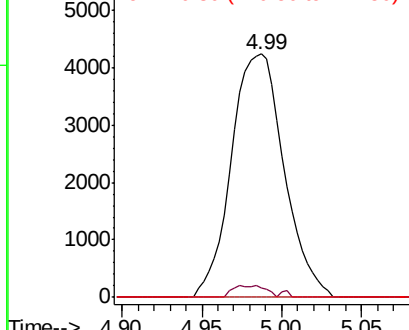
117 100

119 4.1 77.6 116.4#

121 0.0 24.6 36.8#



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: 52.659 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028513.D

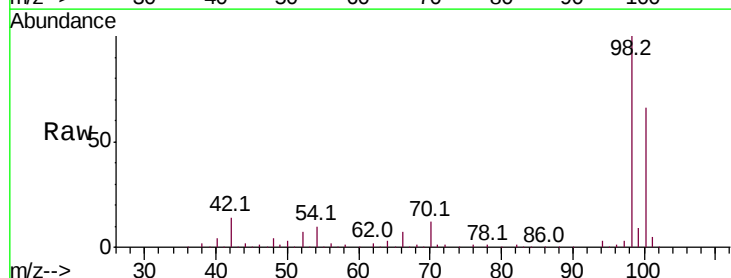
Acq: 06 Dec 2018 20:04

Tgt Ion: 98 Resp: 236144

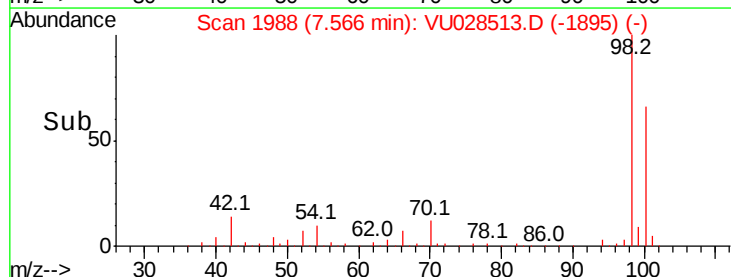
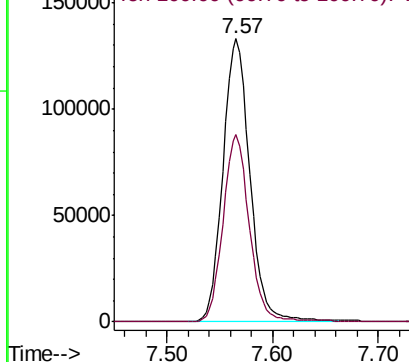
Ion Ratio Lower Upper

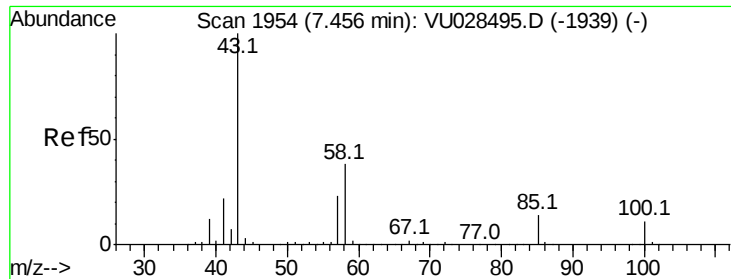
98 100

100 64.6 51.0 76.6



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: 0.468 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028513.D

Acq: 06 Dec 2018 20:04

Instrument :

MSVOA_U

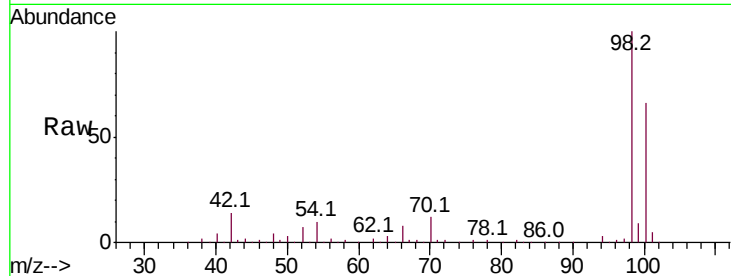
ClientSampled :

Tot Ion: 43 Resp: 1190

Ion Ratio Lower Upper

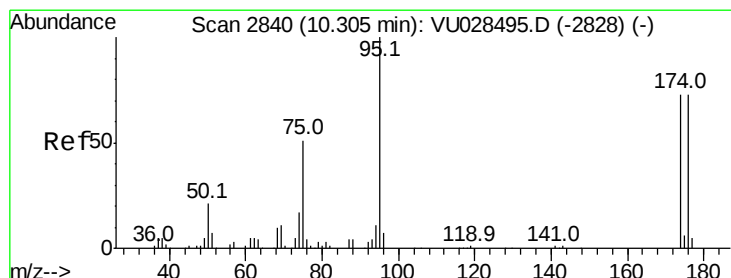
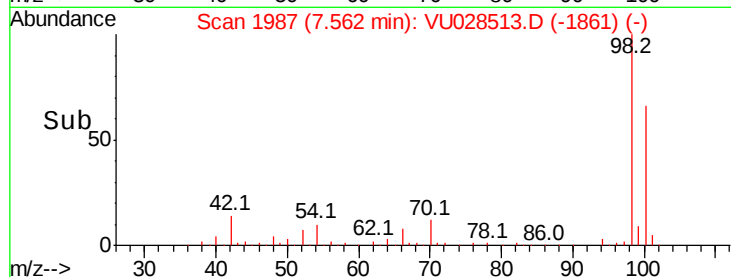
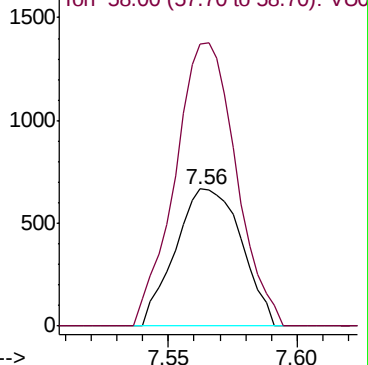
43 100

58 191.3 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 51.518 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028513.D

Acq: 06 Dec 2018 20:04

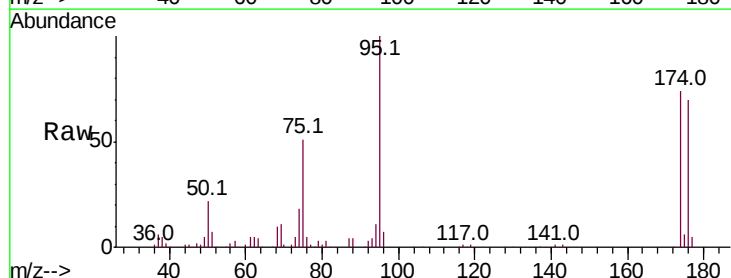
Tgt Ion: 95 Resp: 86350

Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.4

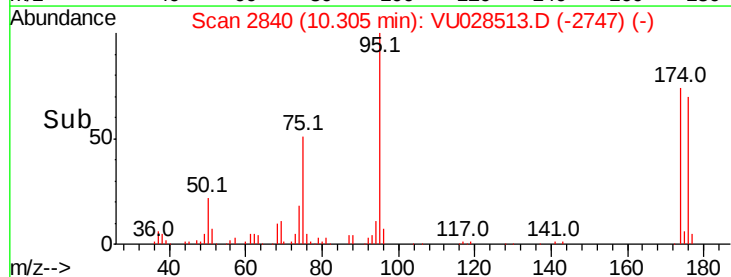
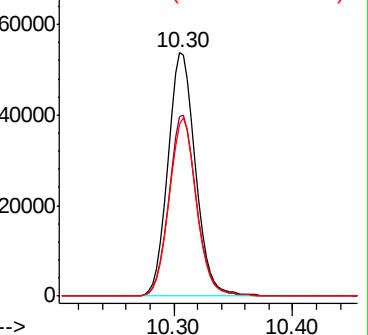
176 72.4 0.0 145.2

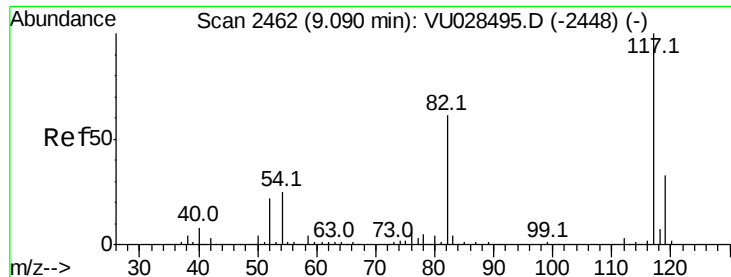


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

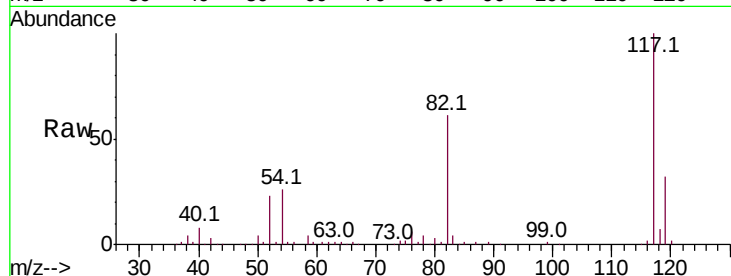




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028513.D
Acq: 06 Dec 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	48.9	73.3
119	32.4	26.2	39.4

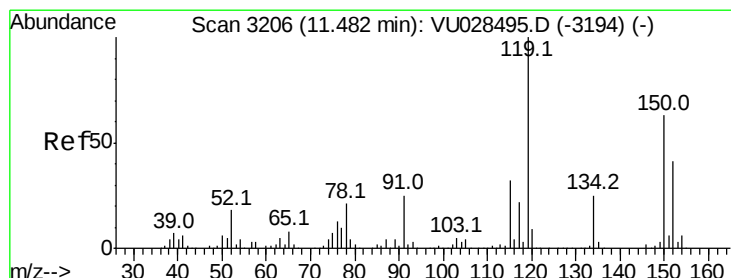
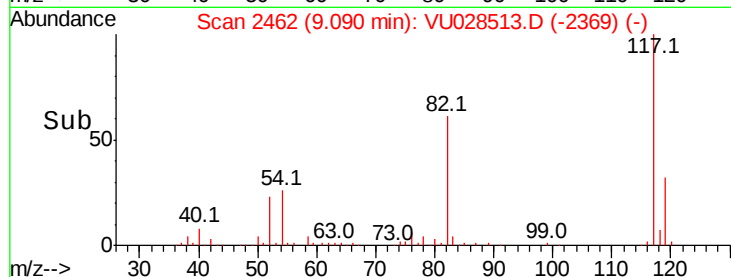
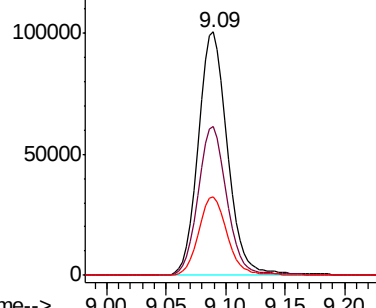


Abundance

Ion 116.90 (116.60 to 117.60): V

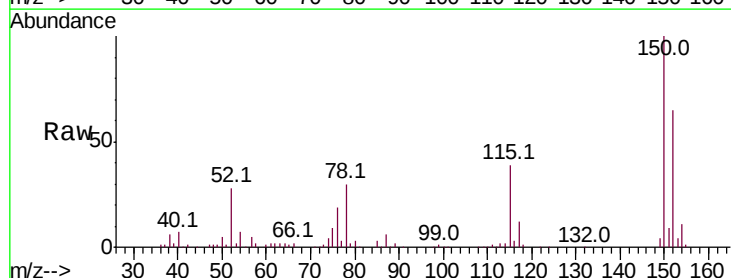
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028513.D
Acq: 06 Dec 2018 20:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	42.7	128.1
150	156.6	0.0	346.0

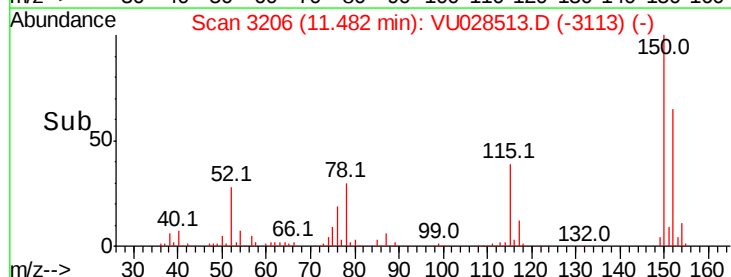
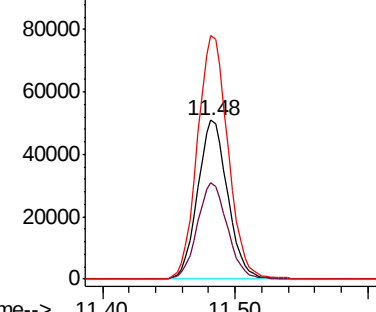


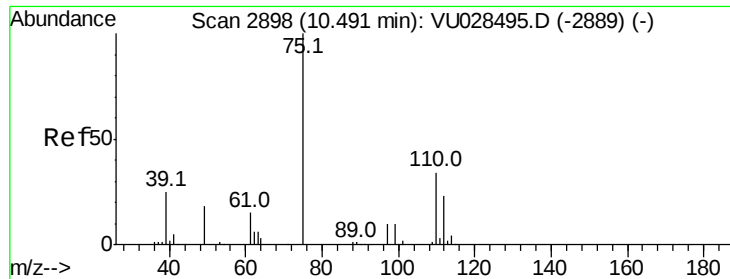
Abundance

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: 22.018 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028513.D

Acq: 06 Dec 2018 20:04

Instrument :

MSVOA_U

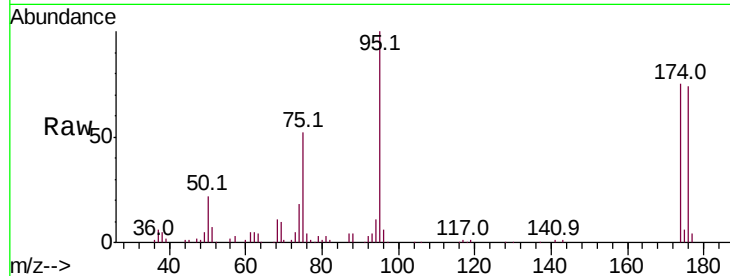
ClientSampled :

Tot Ion: 75 Resp: 45037

Ion Ratio Lower Upper

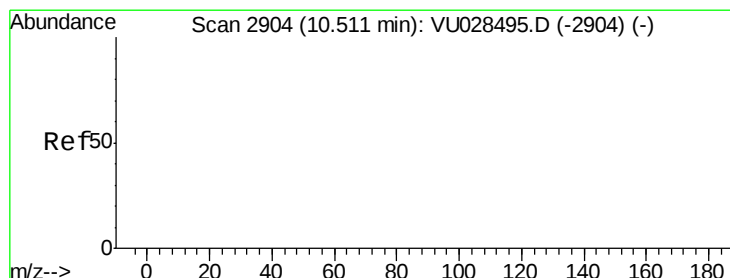
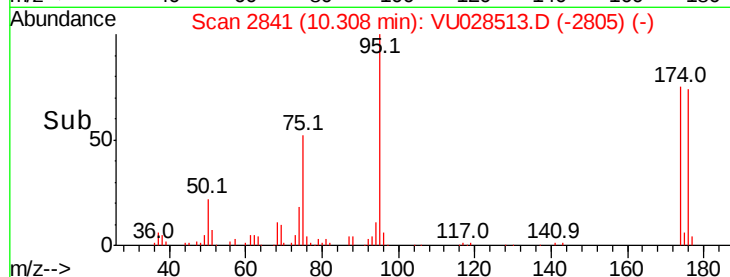
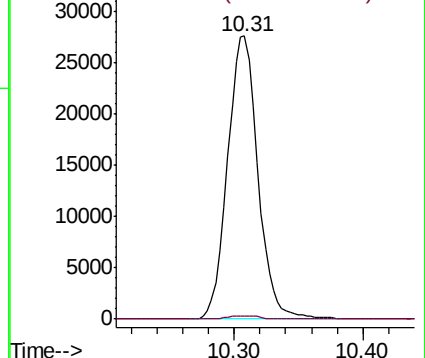
75 100

77 1.2 20.8 62.4#



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: 54.092 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028513.D

Acq: 06 Dec 2018 20:04

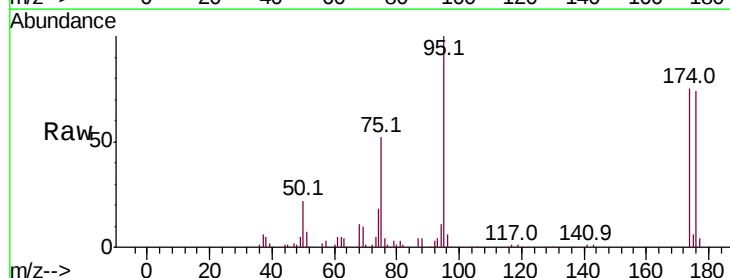
Tgt Ion: 75 Resp: 45037

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

