

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028656.D
 Acq On : 12 Dec 2018 16:47
 Operator : MD/SY
 Sample : J6343-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW311I-20181209

Quant Time: Dec 13 00:49:26 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

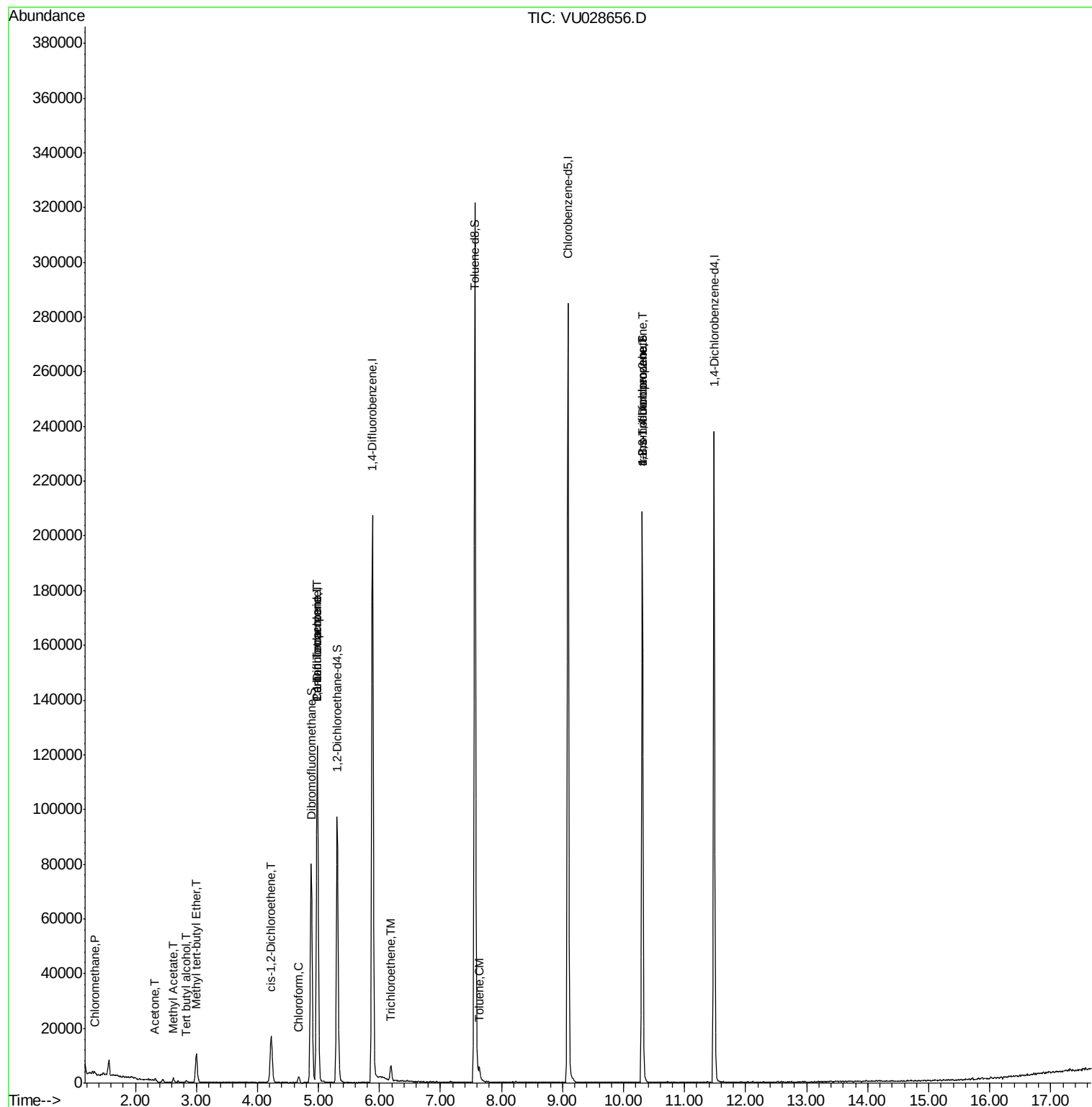
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	93121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	167360	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	148647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	59715	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	73765	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
35) Dibromofluoromethane	4.88	113	56154	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	7.56	98	212810	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	10.30	95	71440	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1071	0.467	ug/l	92
11) Tert butyl alcohol	2.83	59	353	1.115	ug/l #	73
16) Acetone	2.32	43	1327	1.431	ug/l	89
18) Methyl Acetate	2.62	43	2179	0.906	ug/l #	78
19) Methyl tert-butyl Ether	3.00	73	10965	2.790	ug/l	96
27) cis-1,2-Dichloroethene	4.22	96	9368	7.090	ug/l	87
30) Chloroform	4.67	83	2179	1.001	ug/l	95
31) Cyclohexane	4.98	56	1933	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7937	4.334	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9309	6.306	ug/l #	15
44) Trichloroethene	6.19	130	1992	1.661	ug/l	84
52) Toluene	7.64	92	1577	0.497	ug/l	97
76) 1,2,3-Trichloropropane	10.30	75	36513	23.946	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	36513	58.781	ug/l #	100

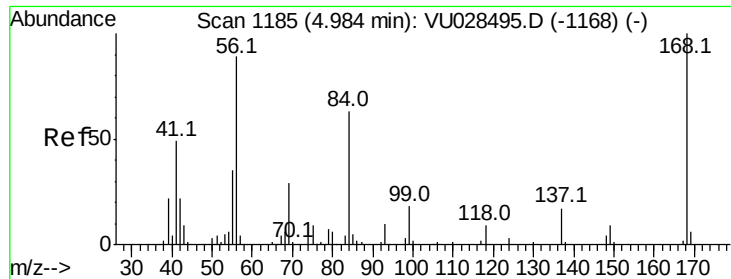
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BPS1-TT-MW311I-20181209

Quant Time: Dec 13 00:49:26 2018
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: VU028656.D

Acq: 12 Dec 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

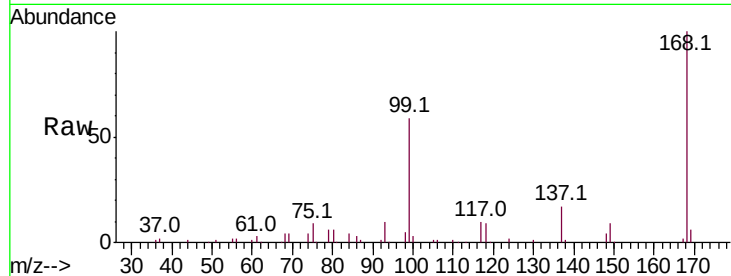
BPS1-TT-MW311I-20181209

Tot Ion:168 Resp: 93121

Ion Ratio Lower Upper

168 100

99 58.6 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

40000

30000

20000

10000

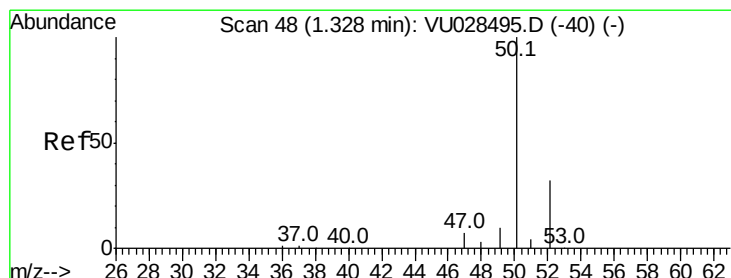
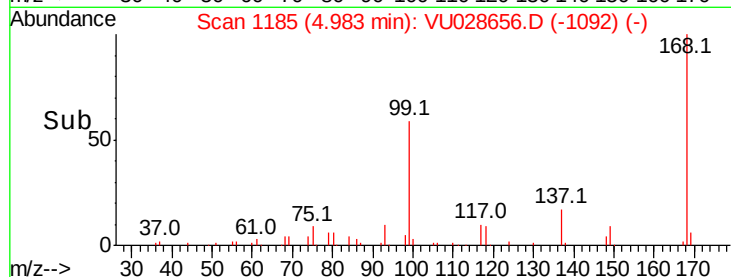
0

4.90

5.00

5.10

Time-->



#3

Chloromethane

Concen: 0.467 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028656.D

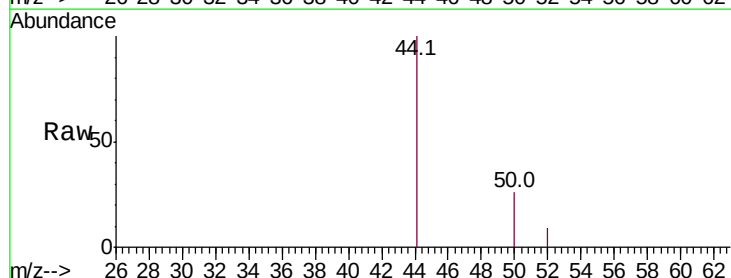
Acq: 12 Dec 2018 16:47

Tgt Ion: 50 Resp: 1071

Ion Ratio Lower Upper

50 100

52 36.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

800

600

400

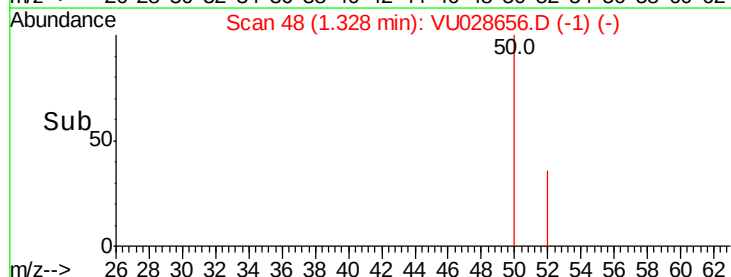
200

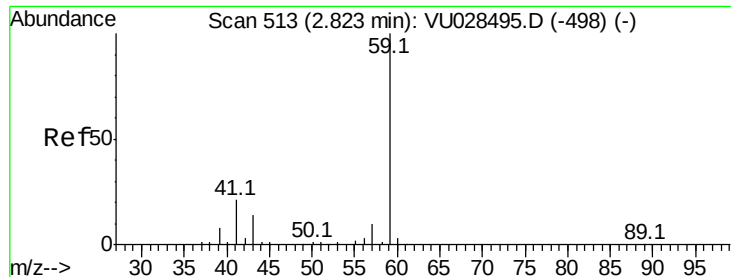
0

1.30

1.35

Time-->



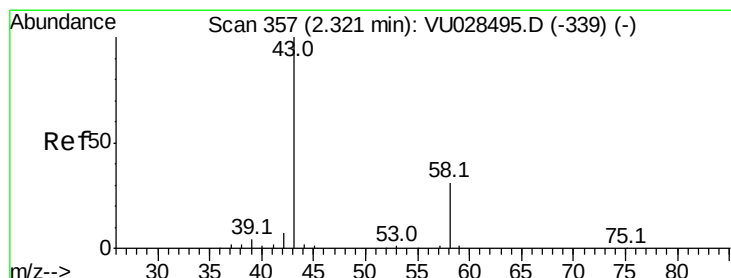
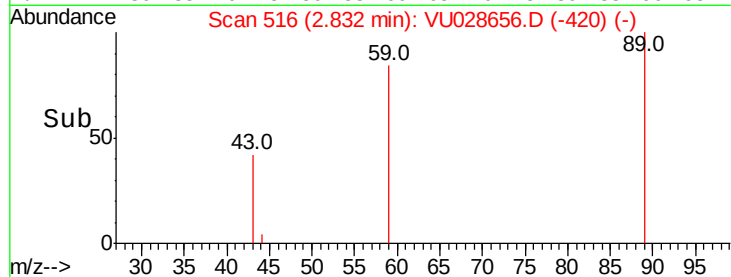
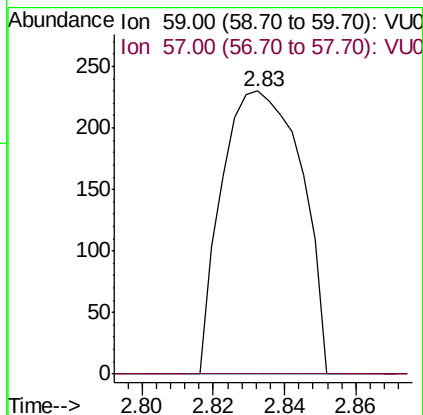
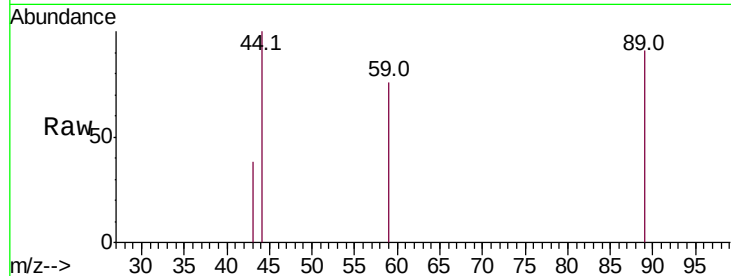


#11

Tert butyl alcohol
 Concen: 1.115 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028656.D
 Acq: 12 Dec 2018 16:47

Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW311I-20181209

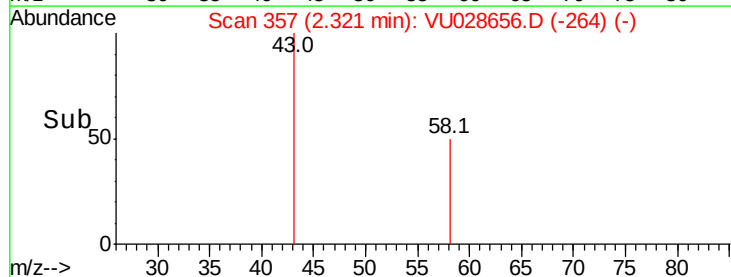
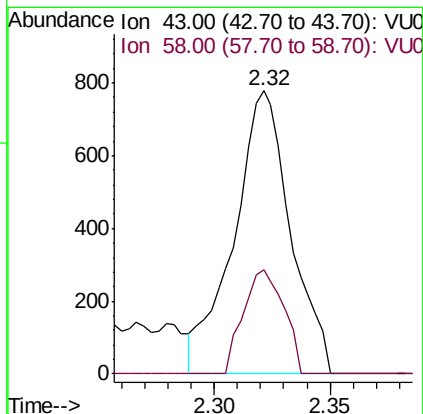
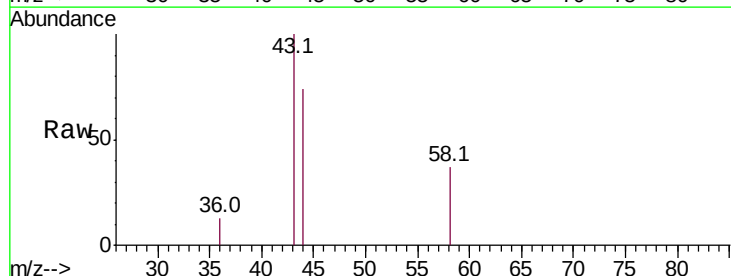
Tot Ion: 59 Resp: 353
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

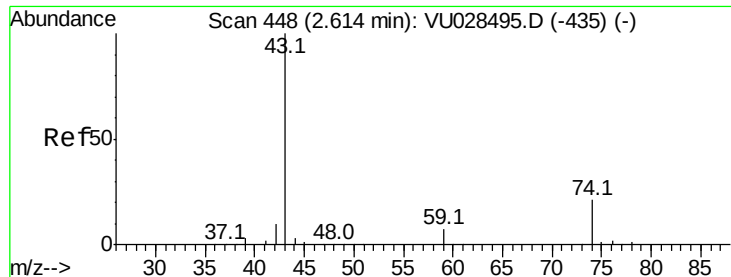


#16

Acetone
 Concen: 1.431 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028656.D
 Acq: 12 Dec 2018 16:47

Tgt Ion: 43 Resp: 1327
 Ion Ratio Lower Upper
 43 100
 58 36.6 24.6 37.0

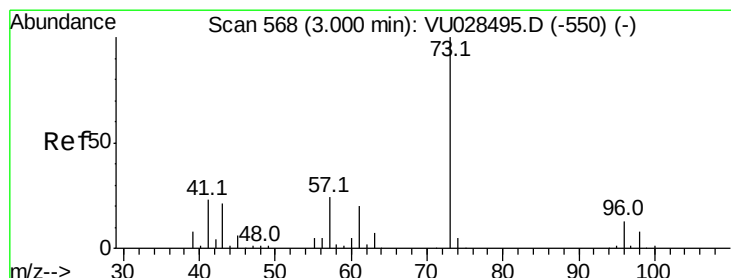
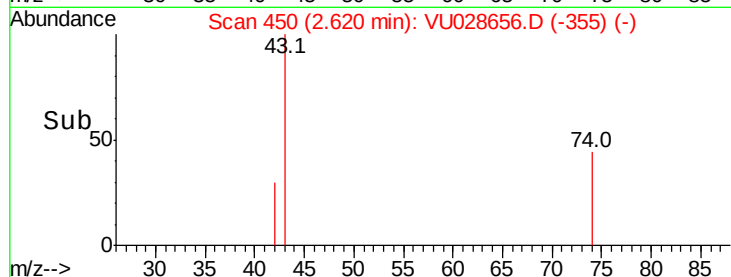
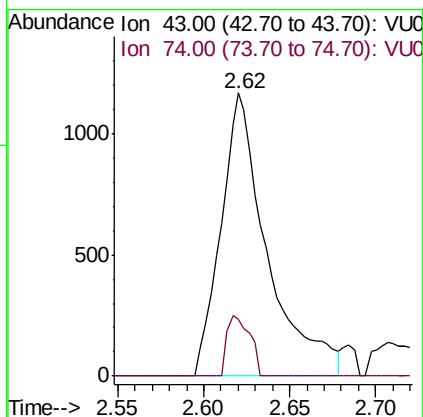
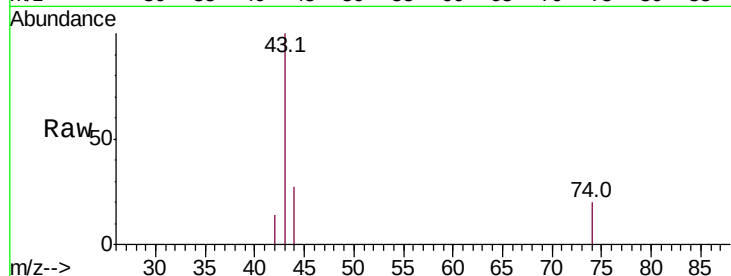




#18
Methvl Acetate
Concen: 0.906 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028656.D
Acq: 12 Dec 2018 16:47

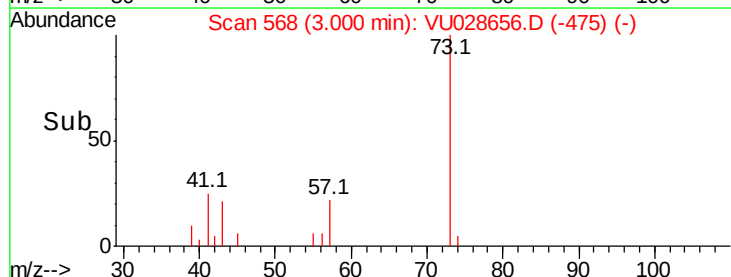
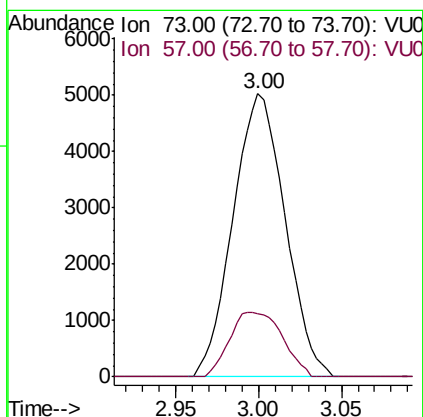
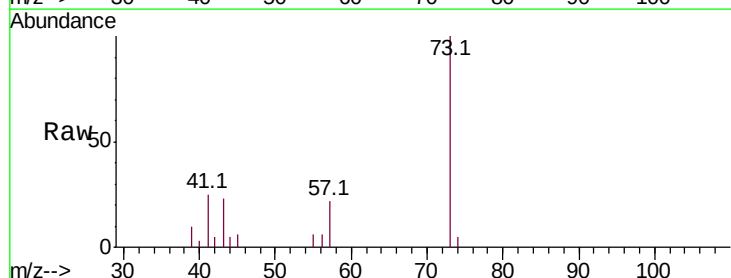
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW311I-20181209

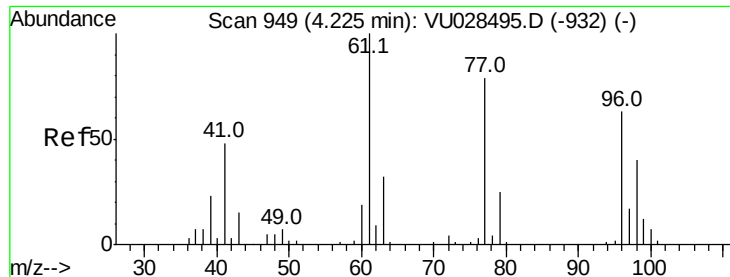
Tot Ion: 43 Resp: 2179
Ion Ratio Lower Upper
43 100
74 10.5 16.4 24.6#



#19
Methyl tert-butyl Ether
Concen: 2.790 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028656.D
Acq: 12 Dec 2018 16:47

Tgt Ion: 73 Resp: 10965
Ion Ratio Lower Upper
73 100
57 22.2 19.4 29.2



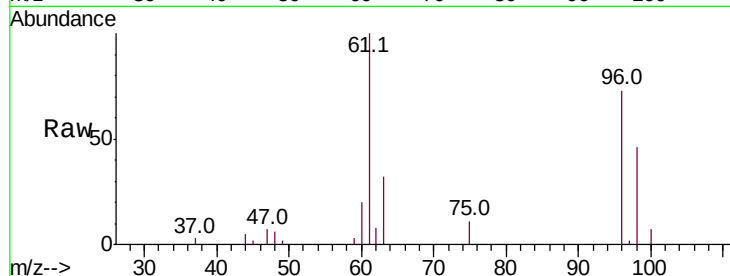


#27

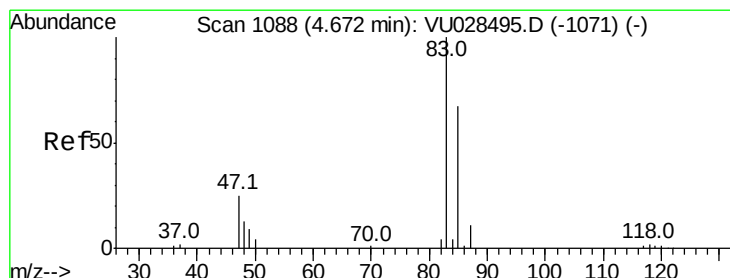
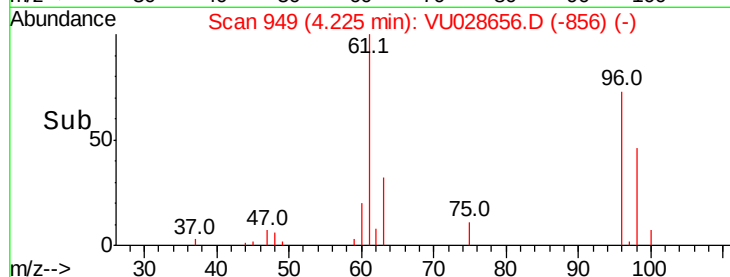
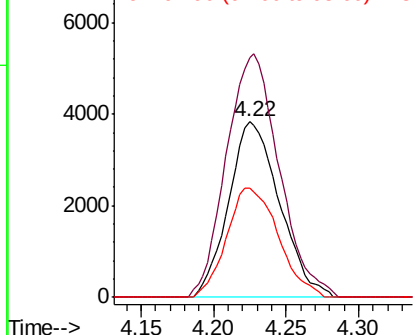
cis-1,2-Dichloroethene
Concen: 7.090 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028656.D
Acq: 12 Dec 2018 16:47

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW311I-20181209

Tot Ion: 96 Resp: 9368
Ion Ratio Lower Upper
96 100
61 143.4 0.0 332.4
98 63.1 0.0 129.0



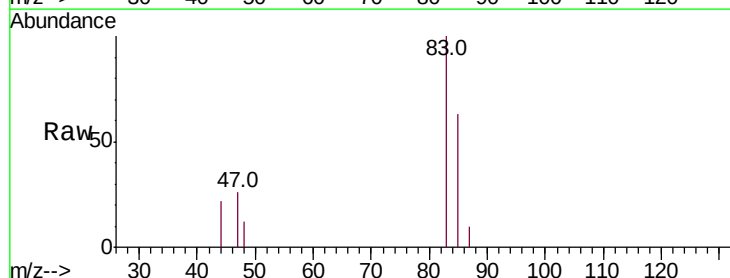
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



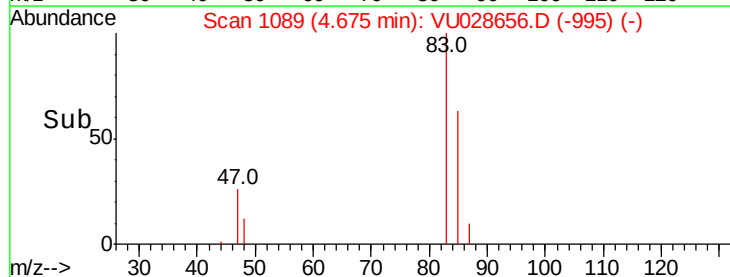
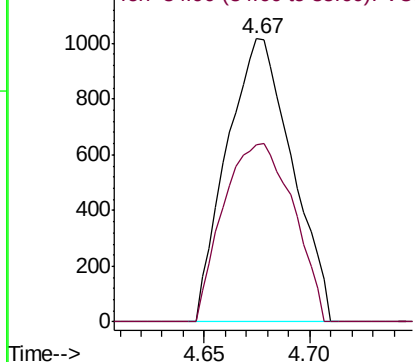
#30

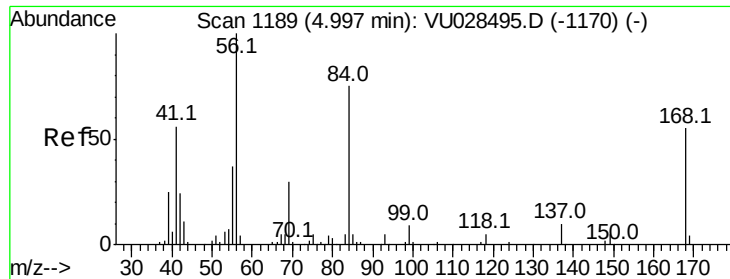
Chloroform
Concen: 1.001 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028656.D
Acq: 12 Dec 2018 16:47

Tgt Ion: 83 Resp: 2179
Ion Ratio Lower Upper
83 100
85 62.7 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0

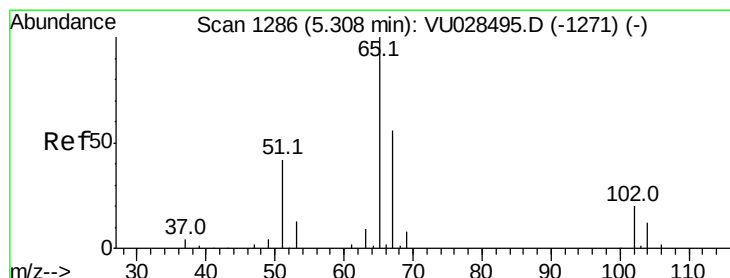
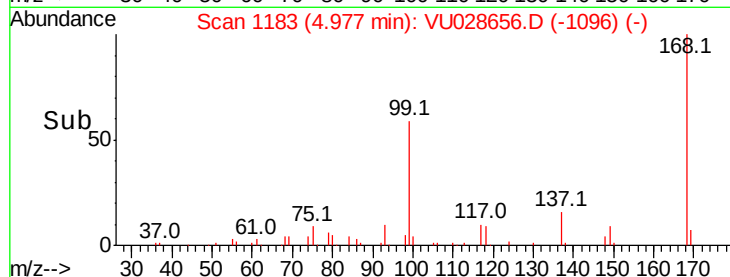
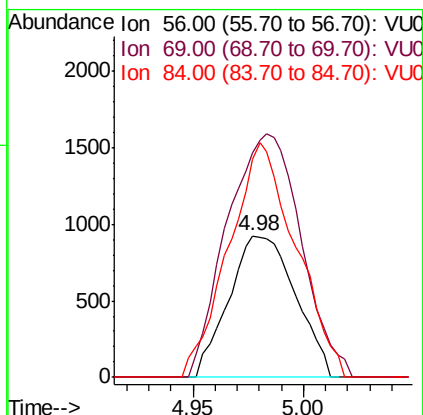
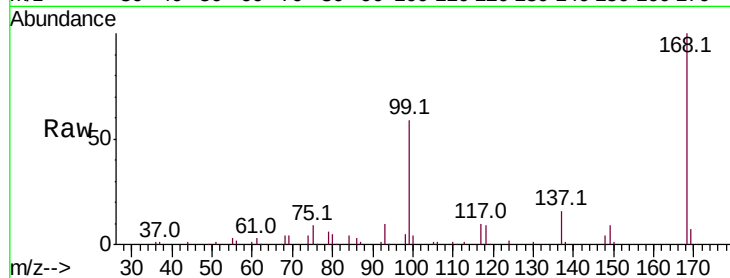




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VU028656.D
Acq: 12 Dec 2018 16:47

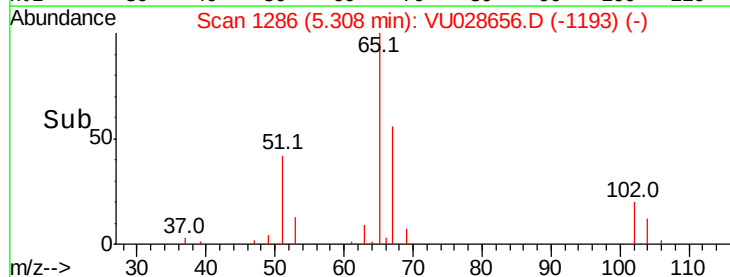
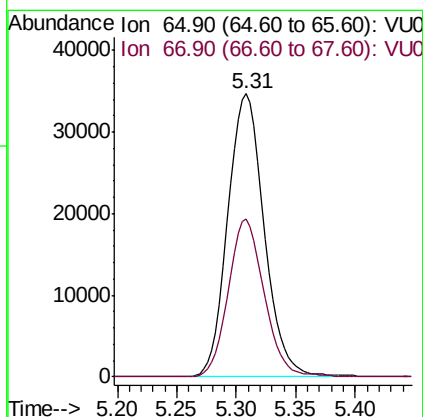
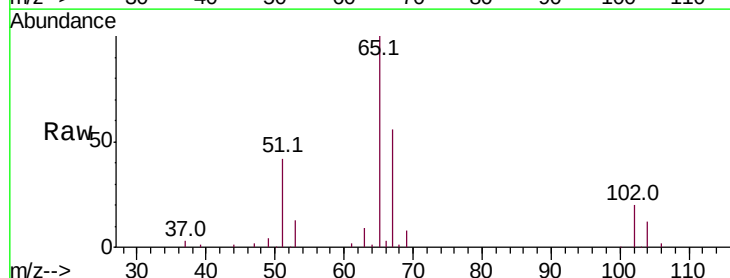
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW311I-20181209

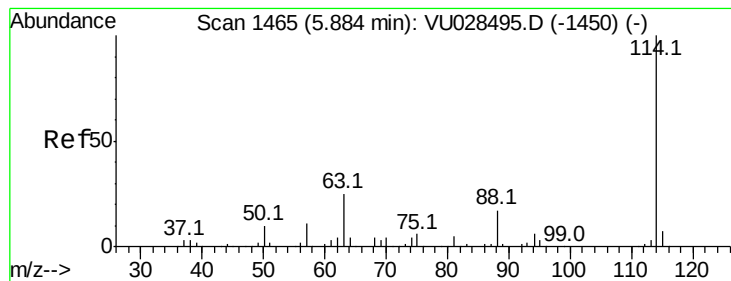
Tot Ion: 56 Resp: 1933
Ion Ratio Lower Upper
56 100
69 158.9 24.0 36.0#
84 140.1 59.7 89.5#



#33
1,2-Dichloroethane-d4
Concen: 51.908 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028656.D
Acq: 12 Dec 2018 16:47

Tgt Ion: 65 Resp: 73765
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028656.D

Acq: 12 Dec 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW311I-20181209

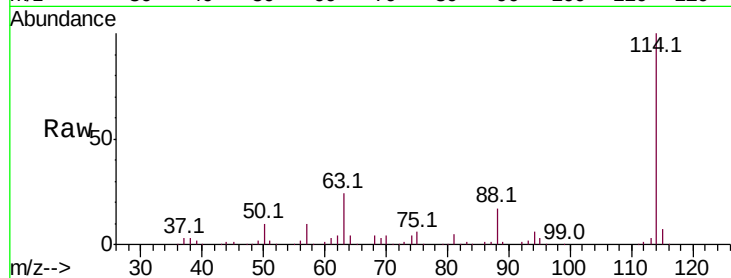
Tot Ion:114 Resp: 167360

Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

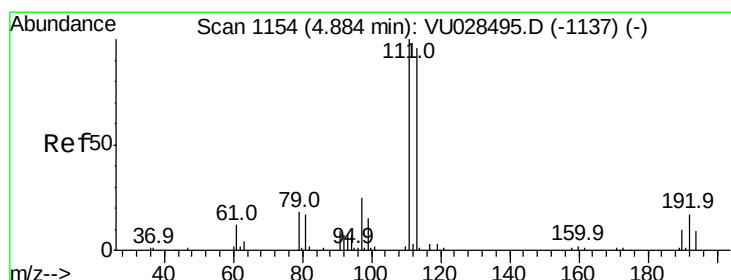
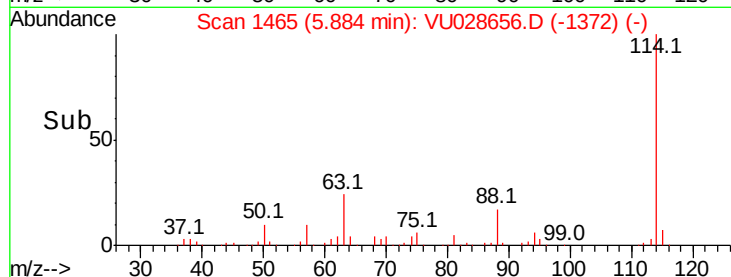
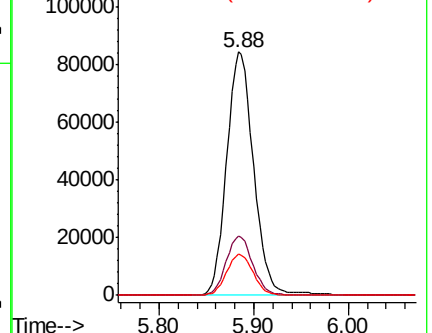
88 16.8 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 53.317 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028656.D

Acq: 12 Dec 2018 16:47

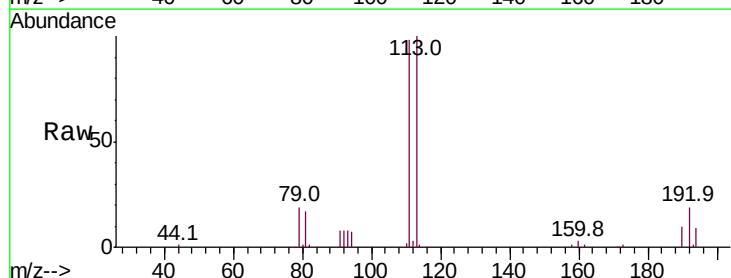
Tgt Ion:113 Resp: 56154

Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.0

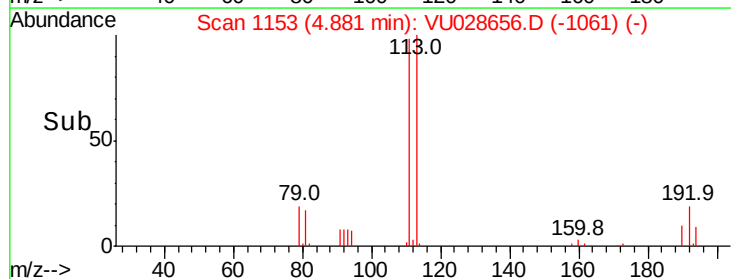
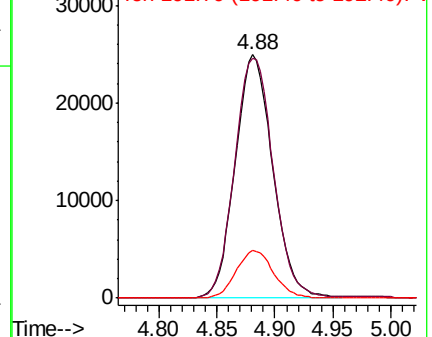
192 19.3 14.8 22.2

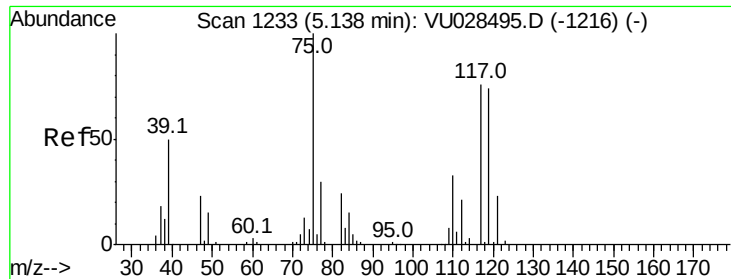


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.334 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028656.D

Acq: 12 Dec 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW311I-20181209

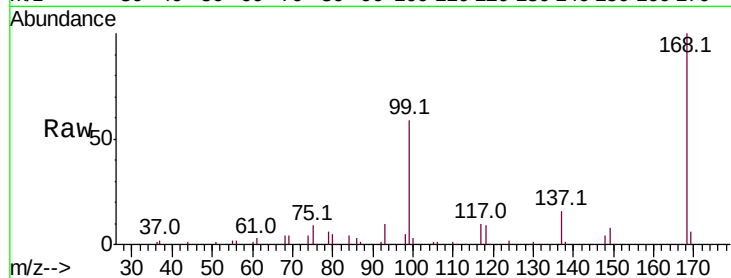
Tot Ion: 75 Resp: 7937

Ion Ratio Lower Upper

75 100

110 4.1 16.1 48.2#

77 0.0 24.5 36.7#

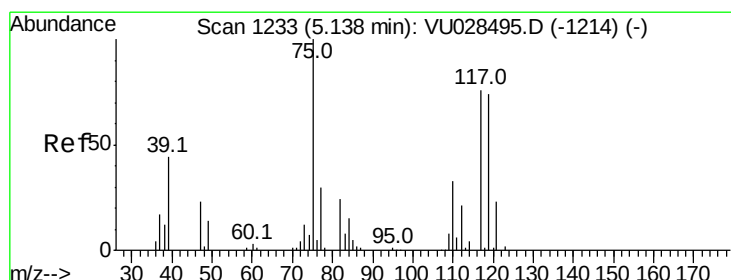
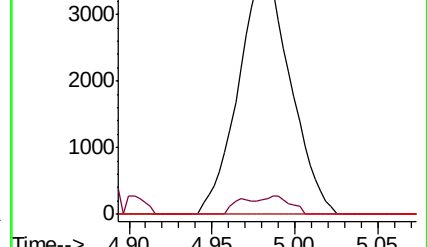
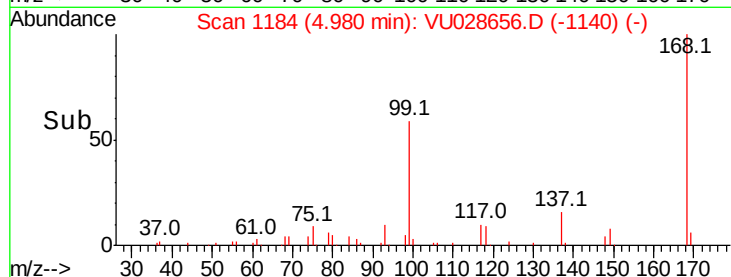


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-1216) (-)

Ion 109.90 (109.60 to 110.60): VU028495.D (-1216) (-)

Ion 76.90 (76.60 to 77.60): VU028495.D (-1216) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.306 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028656.D

Acq: 12 Dec 2018 16:47

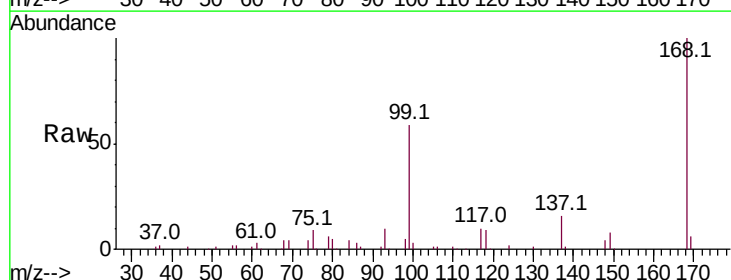
Tgt Ion: 117 Resp: 9309

Ion Ratio Lower Upper

117 100

119 4.2 77.6 116.4#

121 0.0 24.6 36.8#

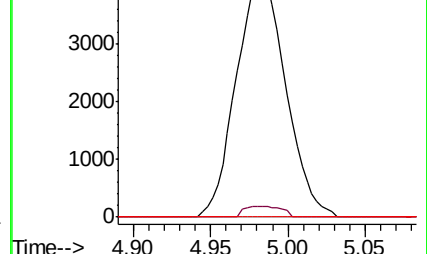
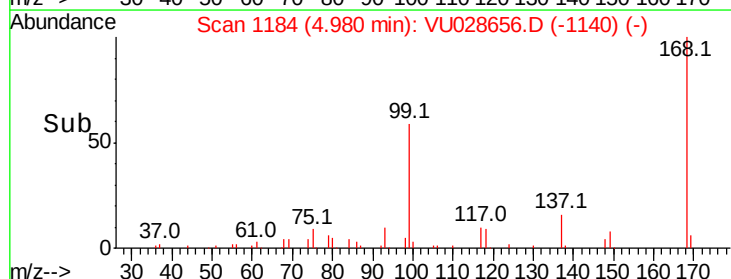


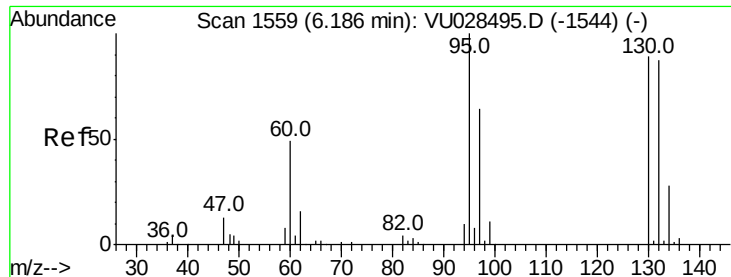
Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

Time-->





#44

Trichloroethene

Concen: 1.661 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028656.D

Acq: 12 Dec 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

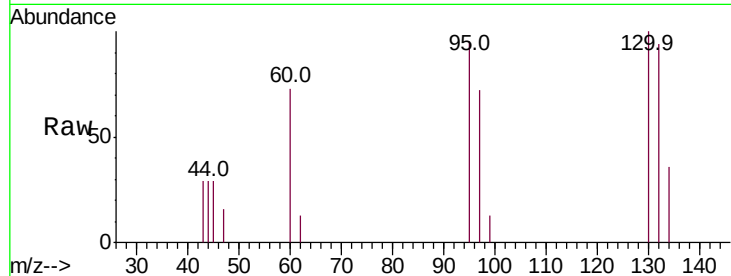
BPS1-TT-MW311I-20181209

Tot Ion:130 Resp: 1992

Ion Ratio Lower Upper

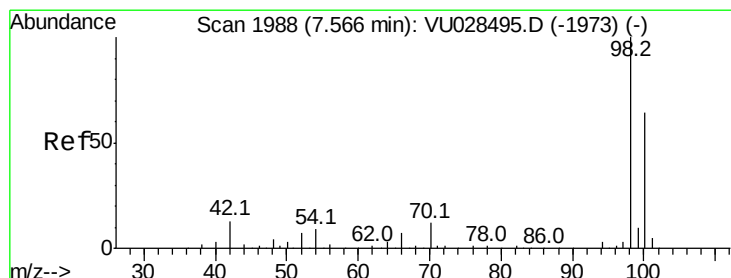
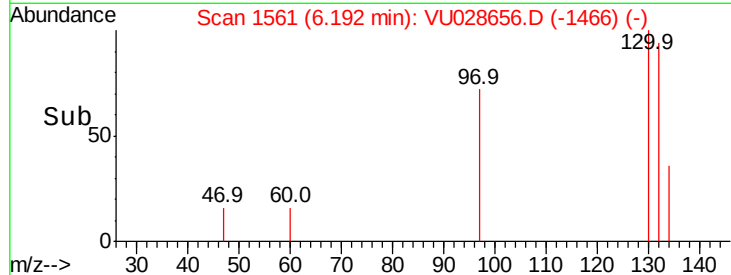
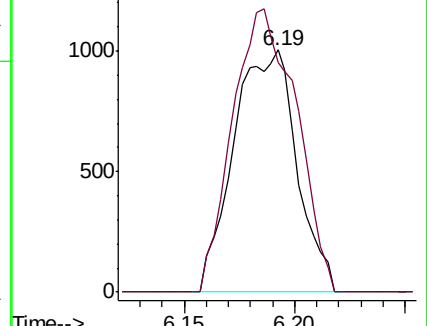
130 100

95 94.9 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)



#50

Toluene-d8

Concen: 51.079 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028656.D

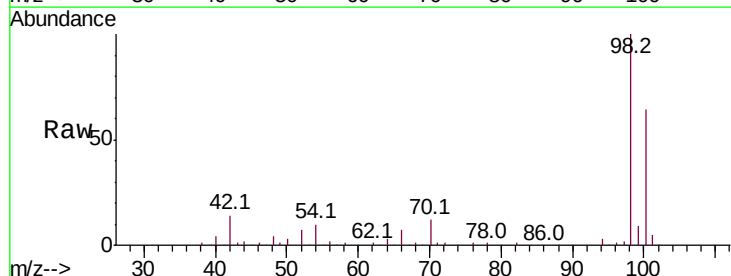
Acq: 12 Dec 2018 16:47

Tgt Ion: 98 Resp: 212810

Ion Ratio Lower Upper

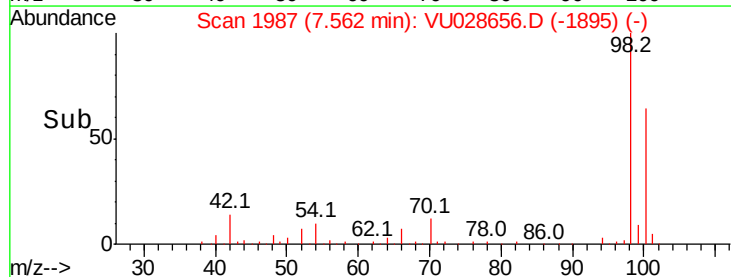
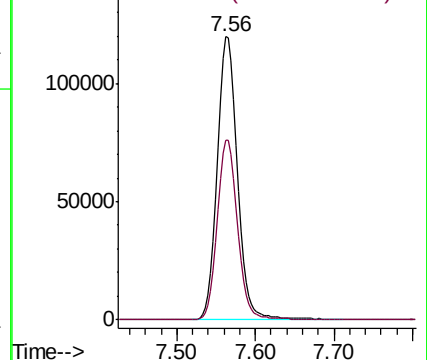
98 100

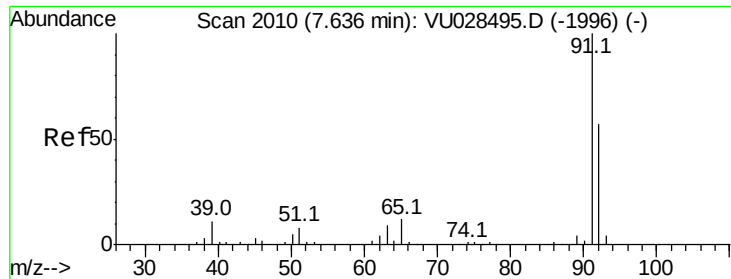
100 63.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)





#52

Toluene

Concen: 0.497 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028656.D

Acq: 12 Dec 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

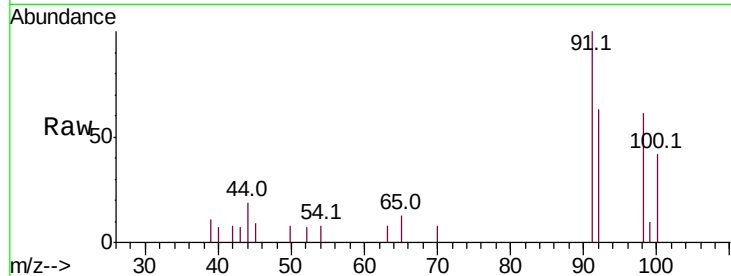
BPS1-TT-MW311I-20181209

Tot Ion: 92 Resp: 1577

Ion Ratio Lower Upper

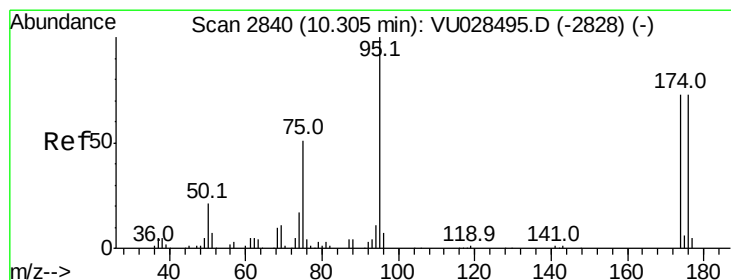
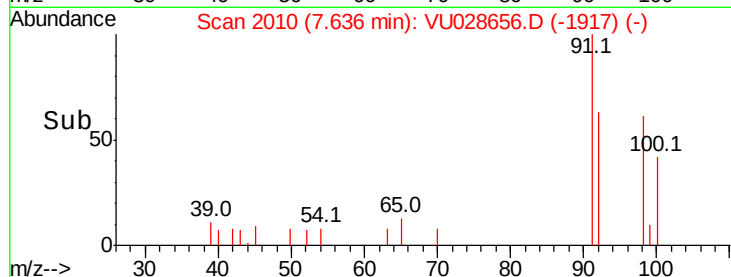
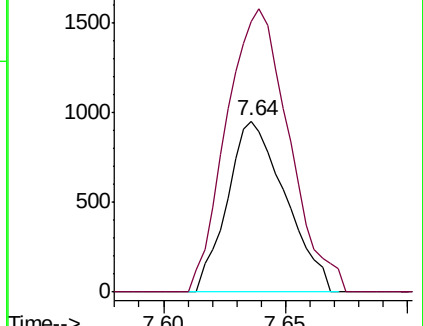
92 100

91 179.0 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.877 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028656.D

Acq: 12 Dec 2018 16:47

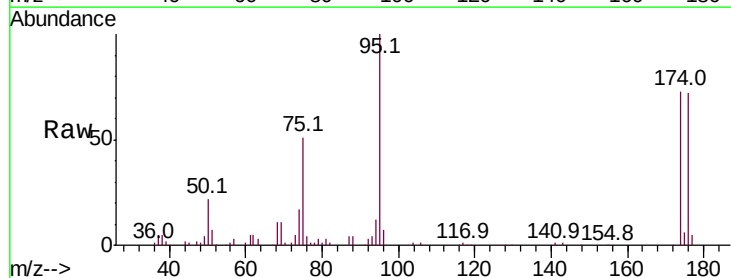
Tgt Ion: 95 Resp: 71440

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.4

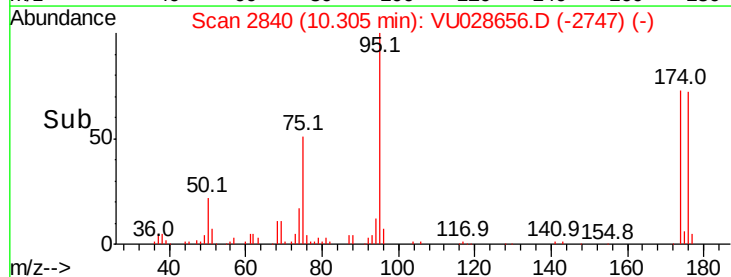
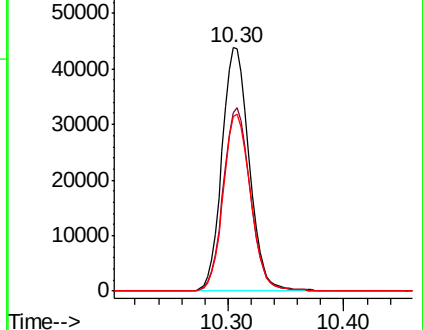
176 72.5 0.0 145.2

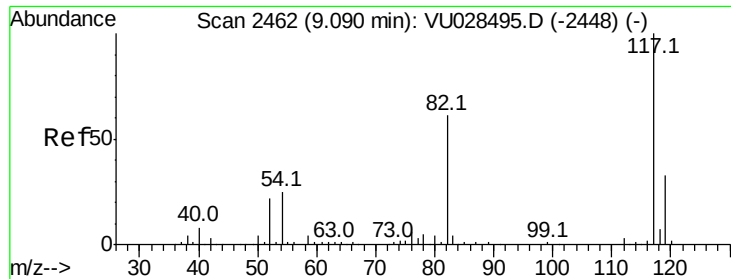


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

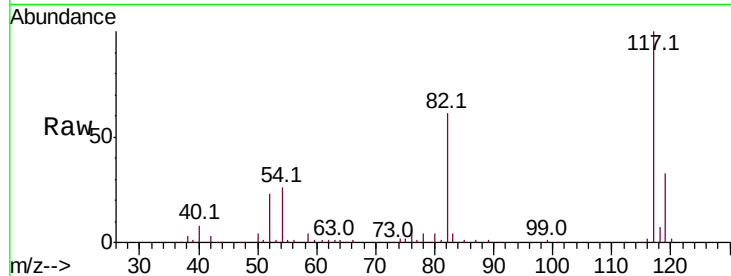




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028656.D
Acq: 12 Dec 2018 16:47

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW311I-20181209

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	48.9	73.3
119	33.0	26.2	39.4

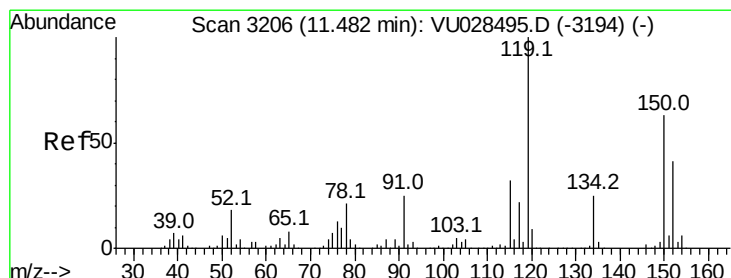
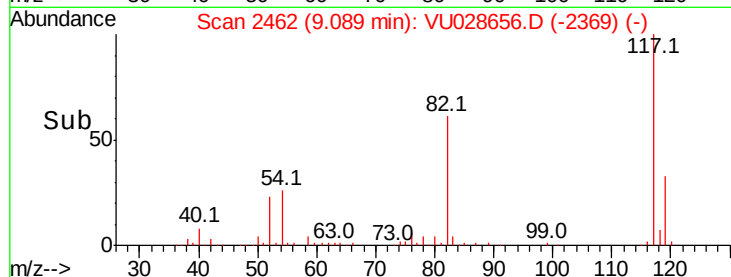
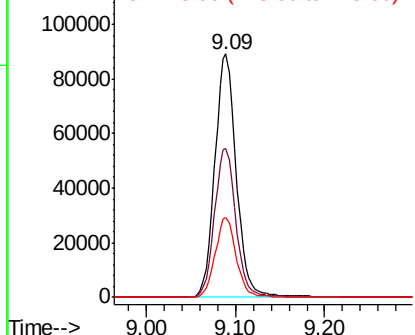


Abundance

Ion 116.90 (116.60 to 117.60): V

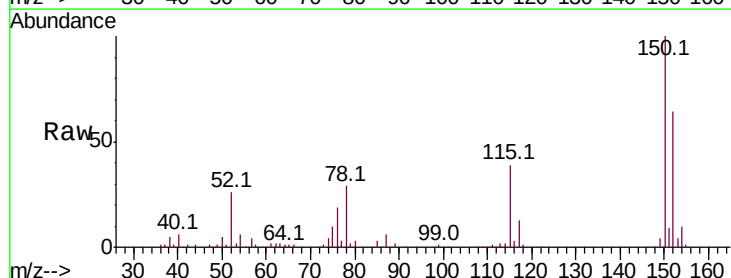
Ion 82.00 (81.70 to 82.70): VU0

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: VU028656.D
Acq: 12 Dec 2018 16:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	42.7	128.1
150	156.9	0.0	346.0

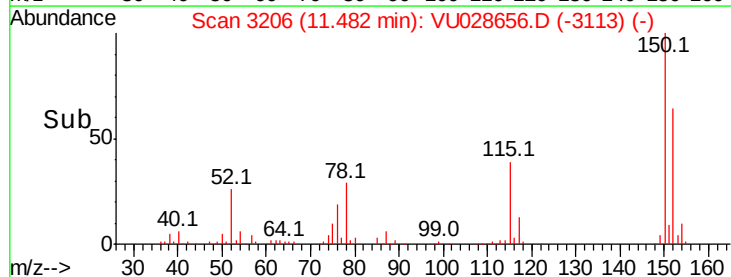
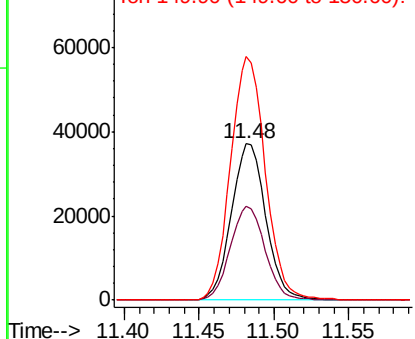


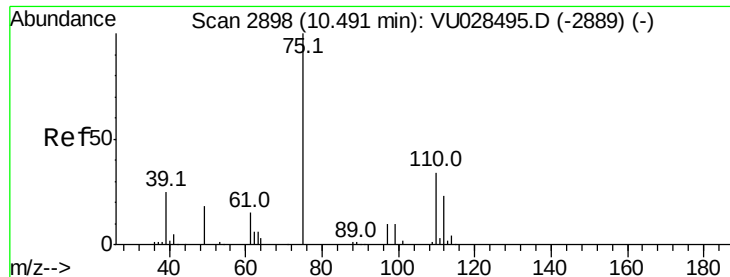
Abundance

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: 23.946 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028656.D

Acq: 12 Dec 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

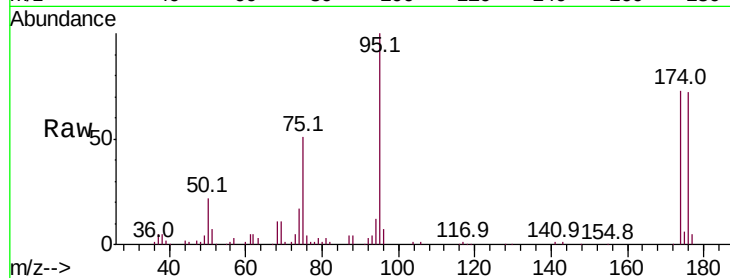
BPS1-TT-MW311I-20181209

Tot Ion: 75 Resp: 36513

Ion Ratio Lower Upper

75 100

77 0.9 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

25000

20000

15000

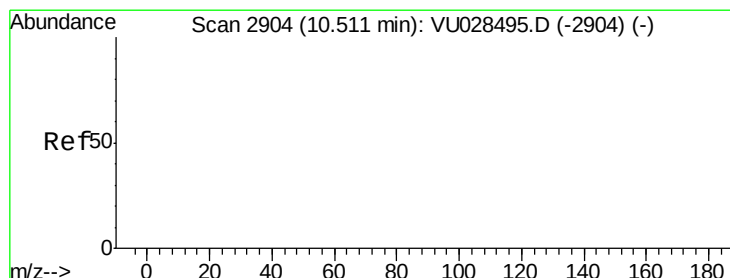
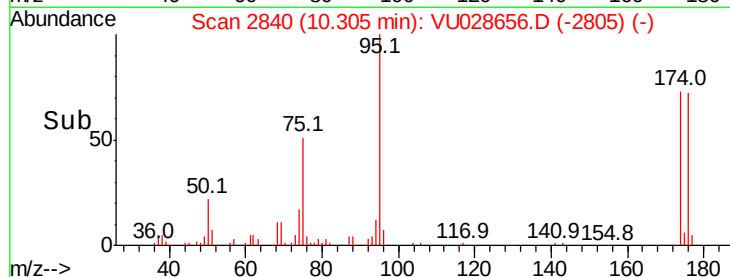
10000

5000

0

10.25 10.30 10.35 10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.781 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028656.D

Acq: 12 Dec 2018 16:47

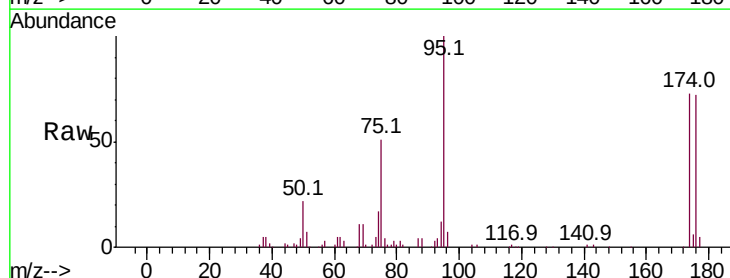
Tgt Ion: 75 Resp: 36513

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

30000

25000

20000

15000

10000

5000

0

10.25 10.30 10.35 10.40

Time-->

