

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028731.D
 Acq On : 17 Dec 2018 19:32
 Operator : MD/SY
 Sample : J6440-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-3

Quant Time: Dec 18 06:58:21 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	88503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	158118	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	143424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62254	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	69207	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
35) Dibromofluoromethane	4.88	113	52603	52.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.72%	
50) Toluene-d8	7.56	98	204428	51.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	10.30	95	69733	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	

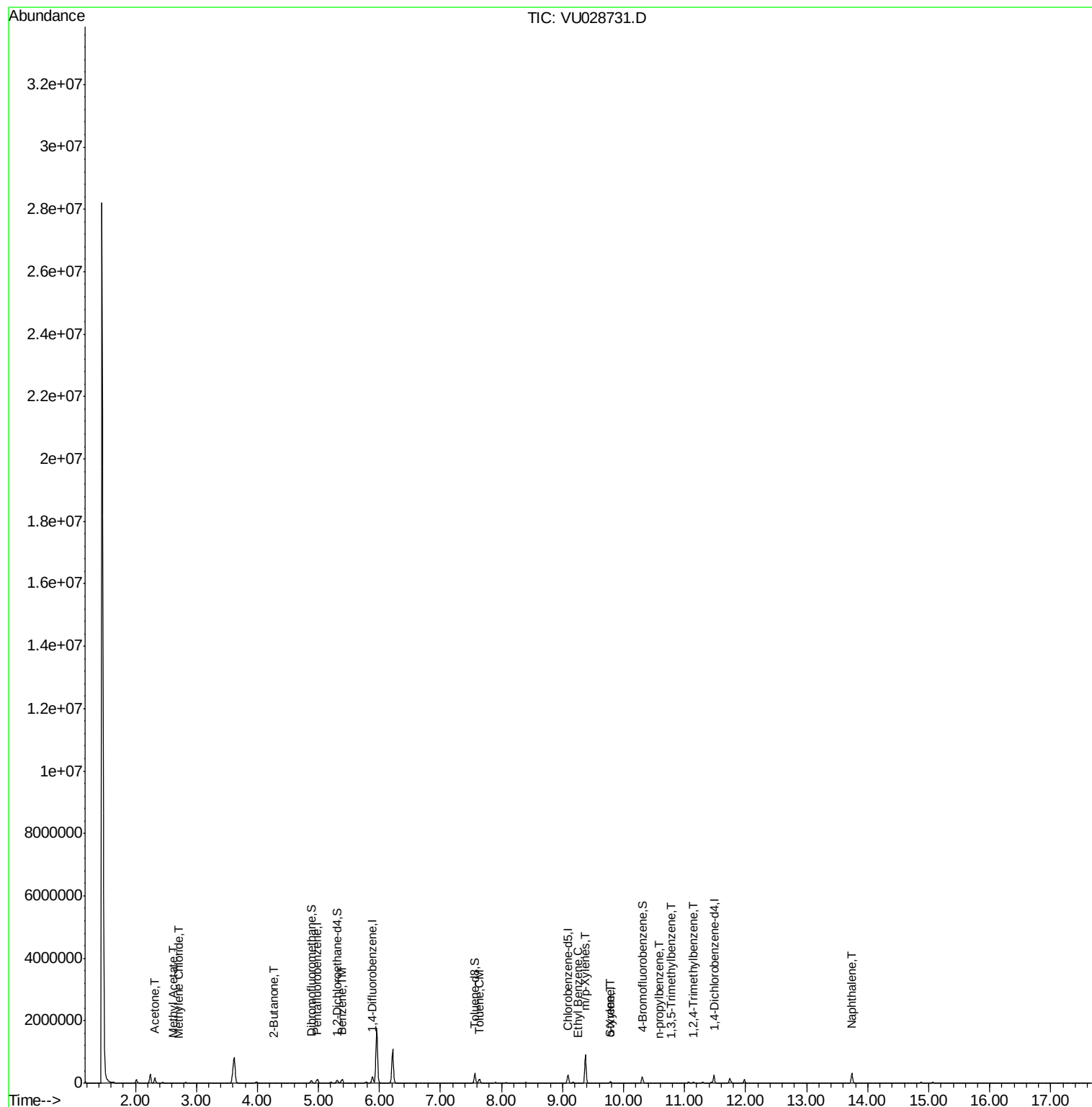
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	166119	188.485	ug/l	98
18) Methyl Acetate	2.62	43	7145	3.127	ug/l	99
20) Methylene Chloride	2.70	84	1366	1.051	ug/l	94
25) 2-Butanone	4.26	43	18500	15.360	ug/l	94
40) Benzene	5.39	78	106867	20.971	ug/l	99
52) Toluene	7.64	92	54460	18.159	ug/l	99
67) Ethyl Benzene	9.25	91	7024	1.250	ug/l	97
68) m/p-Xylenes	9.37	106	21524	10.528	ug/l	93
69) o-Xylene	9.78	106	10166	5.117	ug/l	100
70) Styrene	9.79	104	10578	3.217	ug/l	98
78) n-propylbenzene	10.59	91	4675	0.788	ug/l	80
80) 1,3,5-Trimethylbenzene	10.77	105	3991	1.009	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	14853	3.645	ug/l	86
95) Naphthalene	13.74	128	236001	46.607	ug/l	100

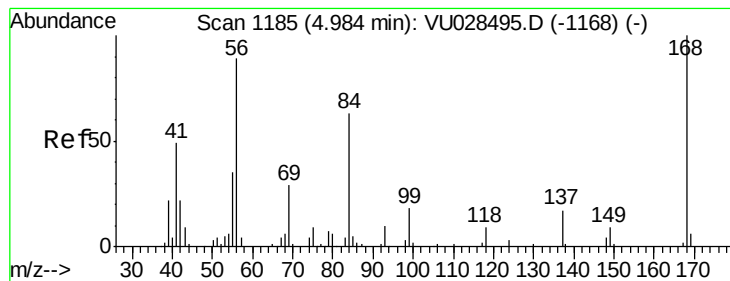
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028731.D

Acq: 17 Dec 2018 19:32

Instrument :

MSVOA_U

ClientSampleId :

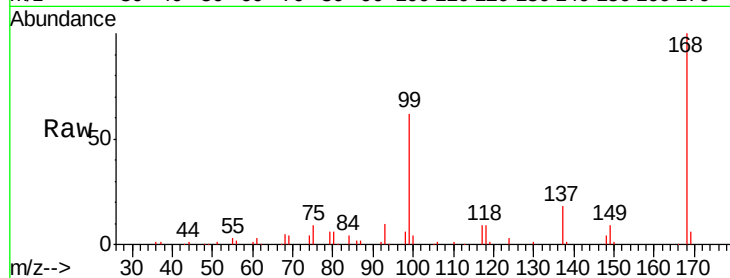
COMP-3

Tgt Ion:168 Resp: 88503

Ion Ratio Lower Upper

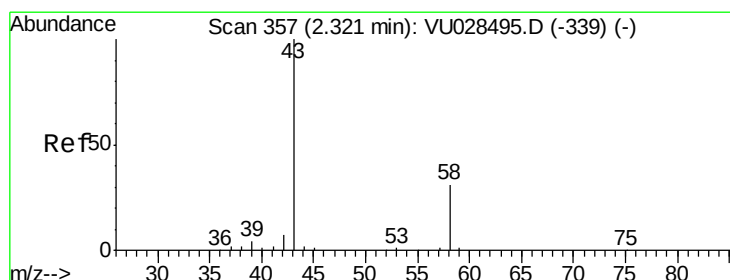
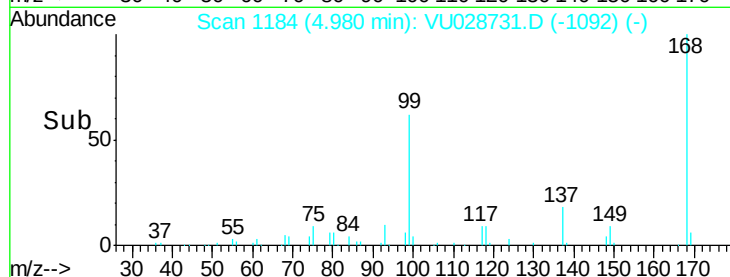
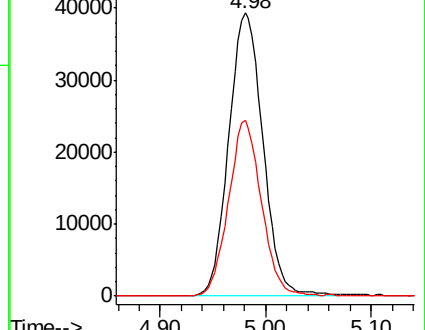
168 100

99 62.3 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) (-)



#16

Acetone

Concen: 188.485 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028731.D

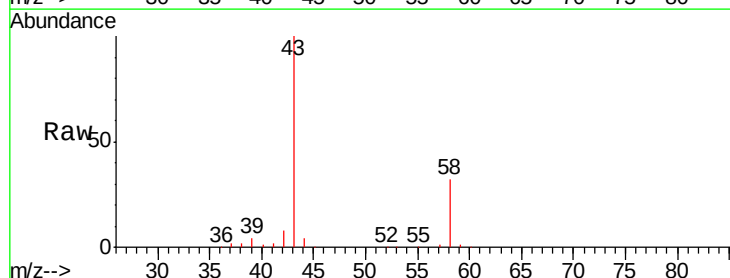
Acq: 17 Dec 2018 19:32

Tgt Ion: 43 Resp: 166119

Ion Ratio Lower Upper

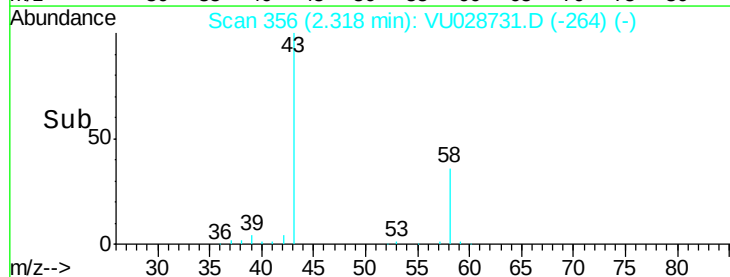
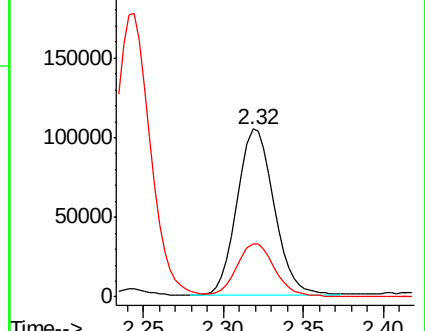
43 100

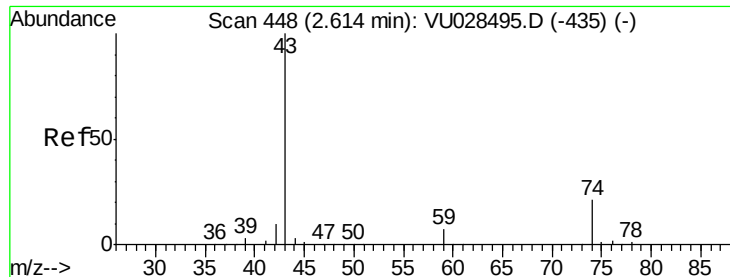
58 31.7 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-339) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-339) (-)

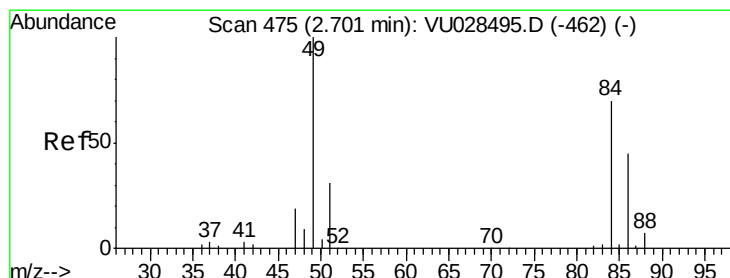
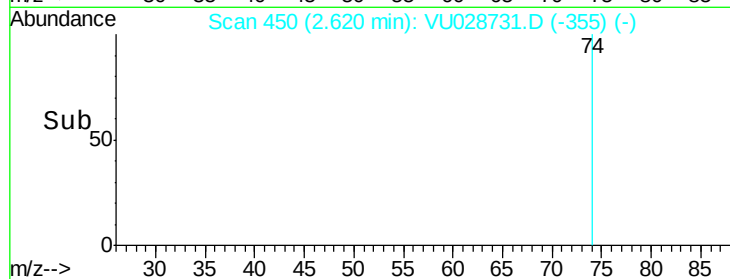
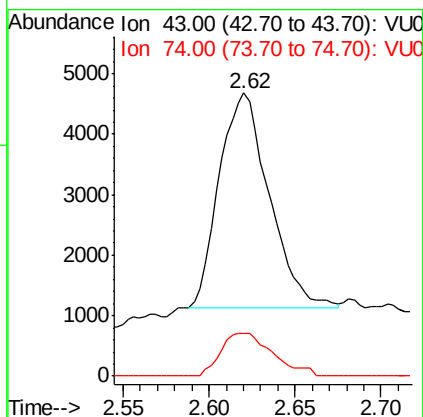
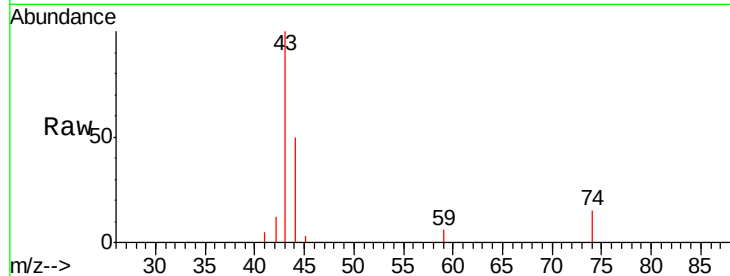




#18
Methyl Acetate
Concen: 3.127 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028731.D
Acq: 17 Dec 2018 19:32

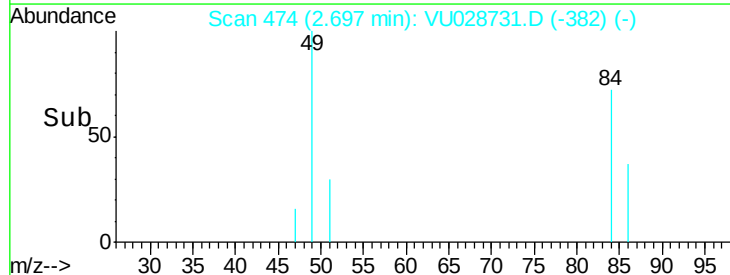
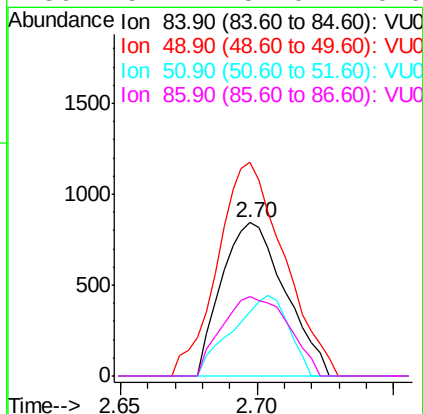
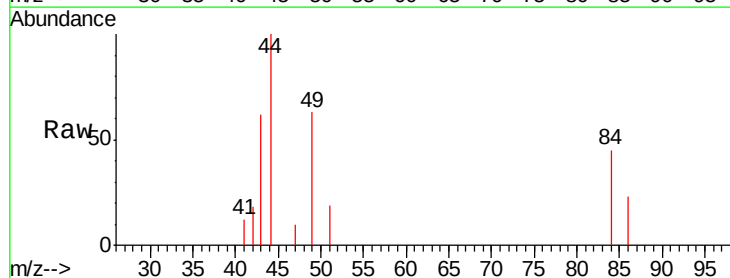
Instrument :
MSVOA_U
ClientSampleId :
COMP-3

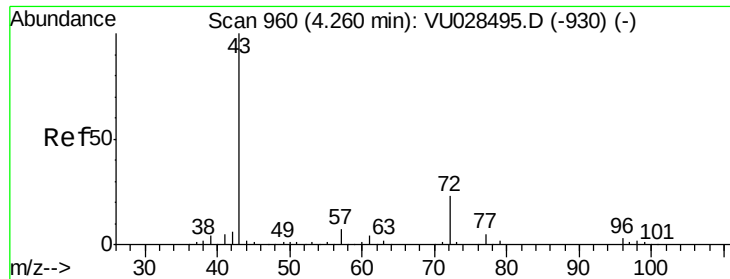
Tgt Ion: 43 Resp: 7145
Ion Ratio Lower Upper
43 100
74 20.8 16.4 24.6



#20
Methylene Chloride
Concen: 1.051 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028731.D
Acq: 17 Dec 2018 19:32

Tgt Ion: 84 Resp: 1366
Ion Ratio Lower Upper
84 100
49 139.1 114.0 171.0
51 41.8 35.1 52.7
86 51.4 51.0 76.6





#25

2-Butanone

Concen: 15.360 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028731.D

Acq: 17 Dec 2018 19:32

Instrument :

MSVOA_U

ClientSampleId :

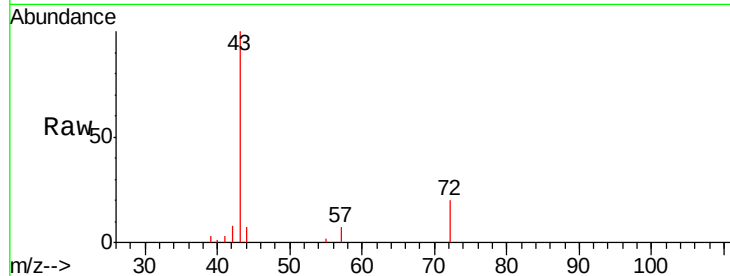
COMP-3

Tgt Ion: 43 Resp: 18500

Ion Ratio Lower Upper

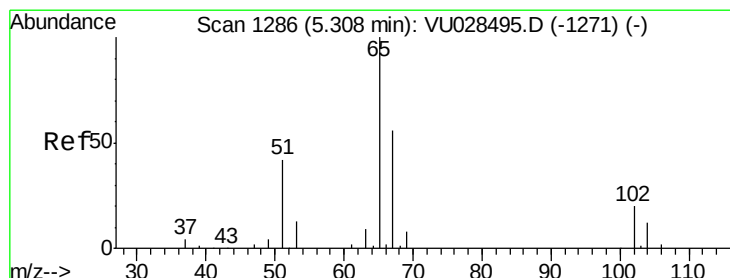
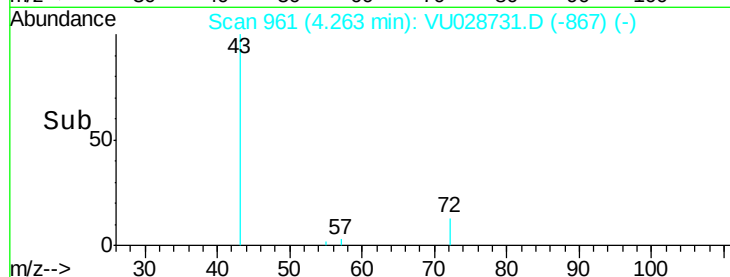
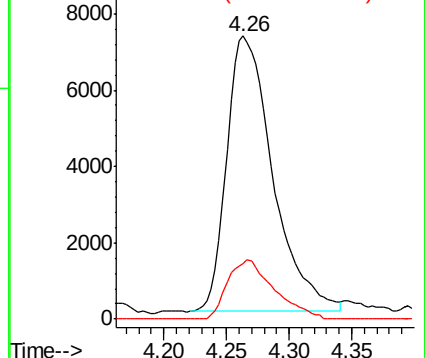
43 100

72 20.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 51.241 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028731.D

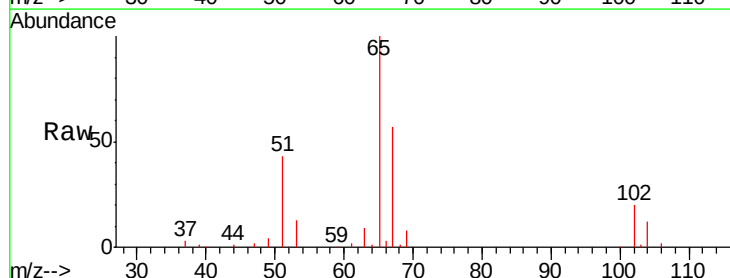
Acq: 17 Dec 2018 19:32

Tgt Ion: 65 Resp: 69207

Ion Ratio Lower Upper

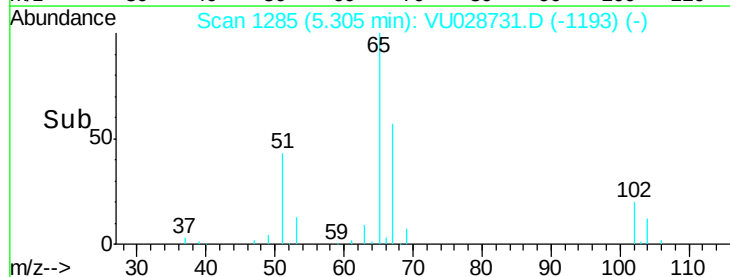
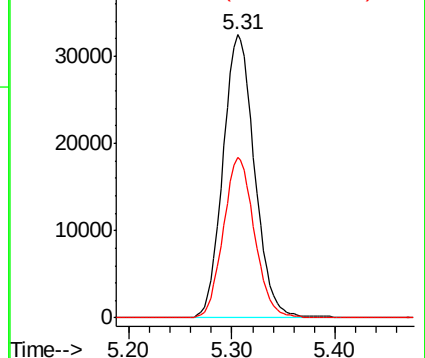
65 100

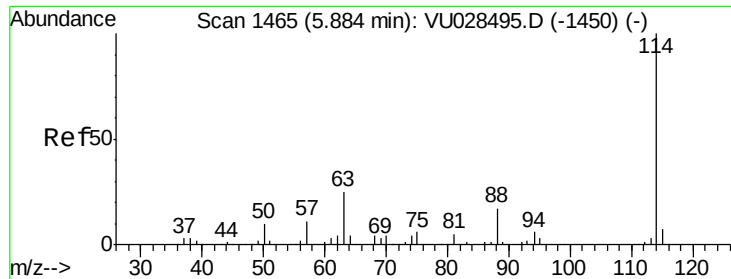
67 55.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

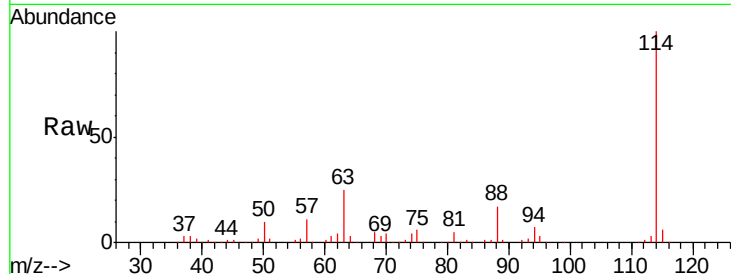




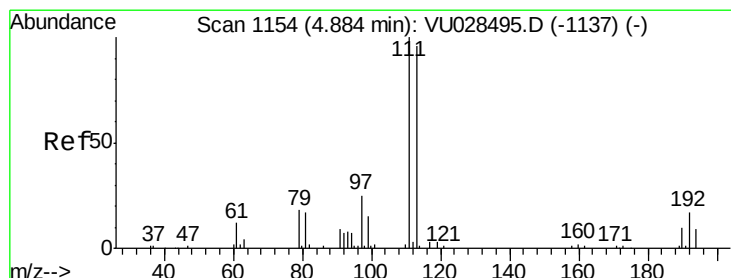
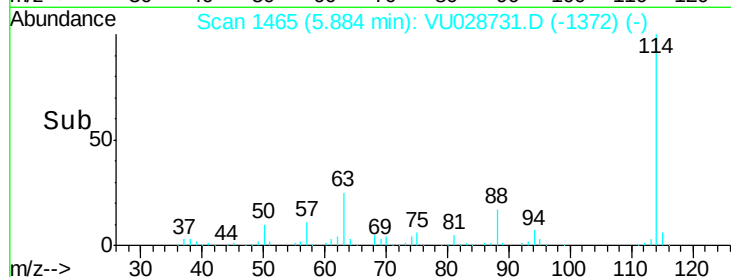
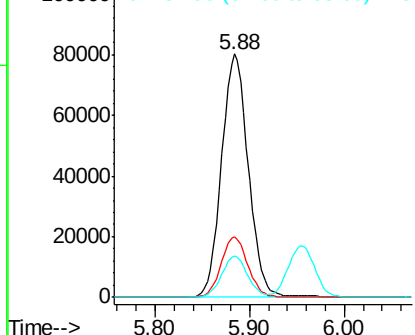
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028731.D
 Acq: 17 Dec 2018 19:32

Instrument :
 MSVOA_U
 ClientSampled :
 COMP-3

Tgt Ion:114 Resp: 158118
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.8 0.0 33.4

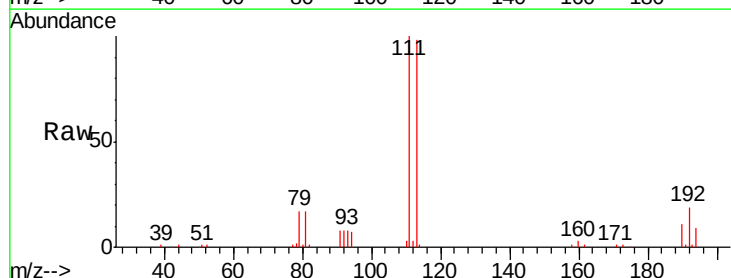


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

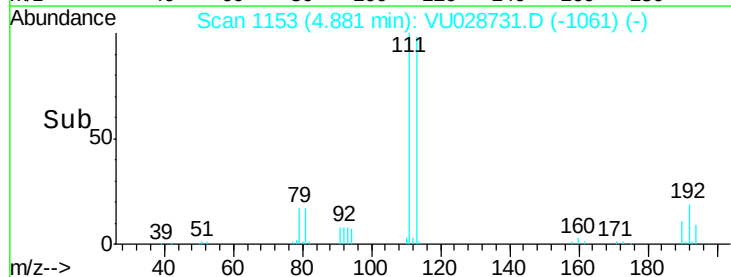
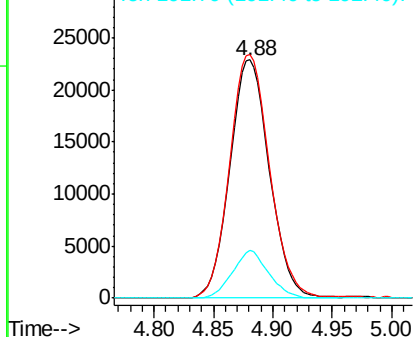


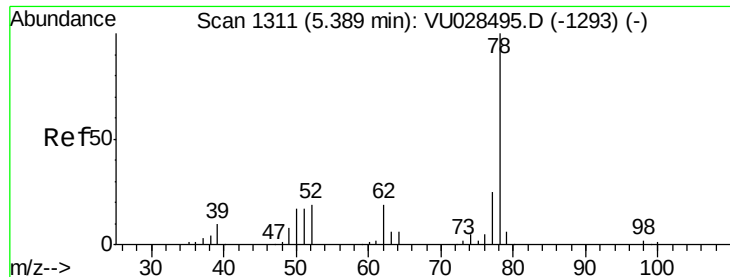
#35
 Dibromofluoromethane
 Concen: 52.865 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028731.D
 Acq: 17 Dec 2018 19:32

Tgt Ion:113 Resp: 52603
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.0
 192 18.2 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





#40

Benzene

Concen: 20.971 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU028731.D

Acq: 17 Dec 2018 19:32

Instrument :

MSVOA_U

ClientSampleId :

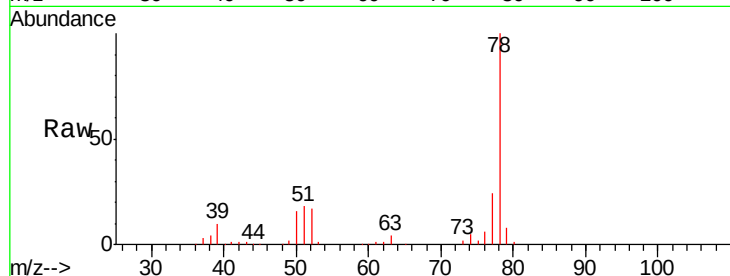
COMP-3

Tgt Ion: 78 Resp: 106867

Ion Ratio Lower Upper

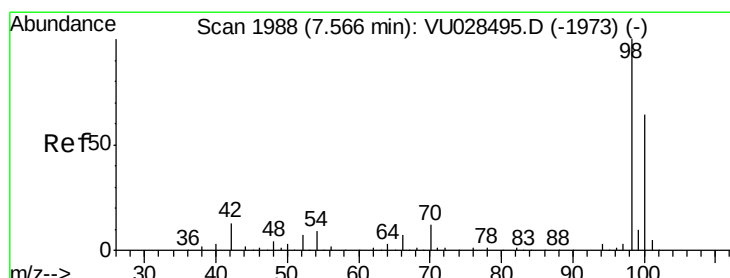
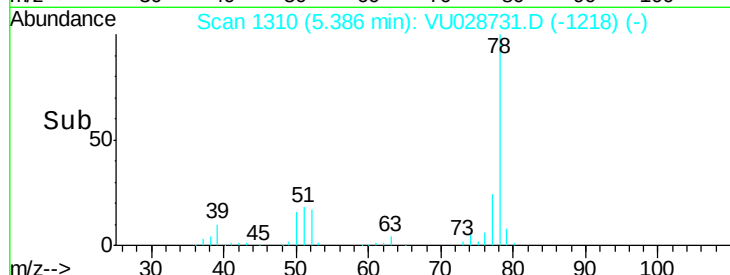
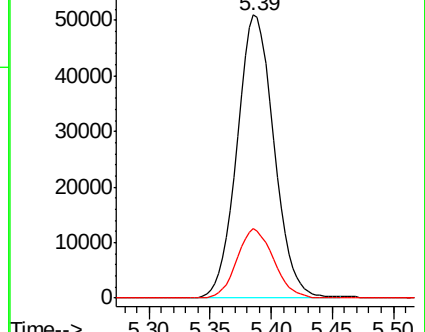
78 100

77 24.5 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU028731.D (-1218) (-)

Ion 77.00 (76.70 to 77.70): VU028731.D (-1218) (-)



#50

Toluene-d8

Concen: 51.935 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028731.D

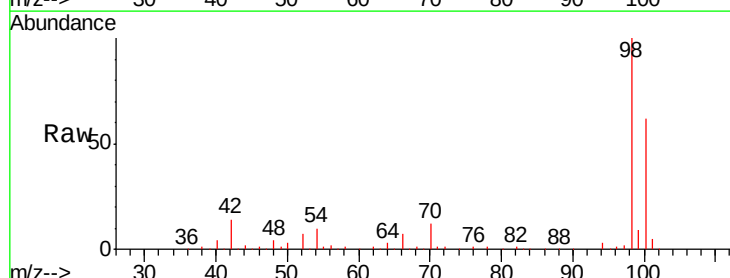
Acq: 17 Dec 2018 19:32

Tgt Ion: 98 Resp: 204428

Ion Ratio Lower Upper

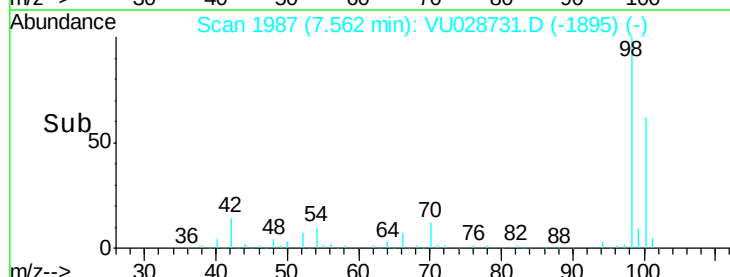
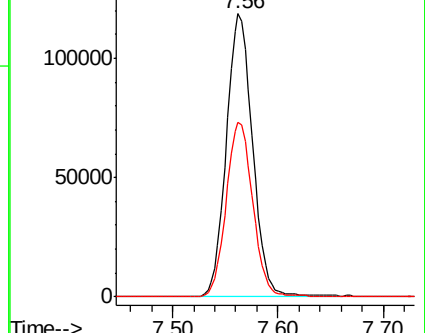
98 100

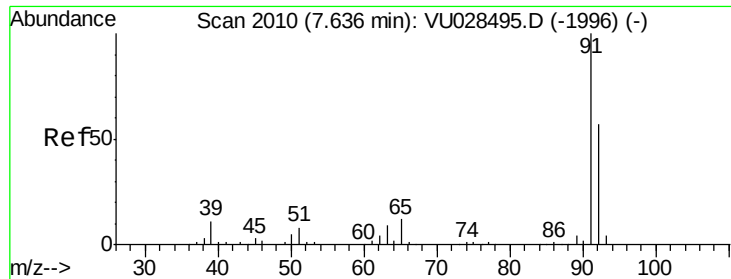
100 62.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028731.D (-1895) (-)

Ion 100.00 (99.70 to 100.70): VU028731.D (-1895) (-)





#52

Toluene

Concen: 18.159 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028731.D

Acq: 17 Dec 2018 19:32

Instrument :

MSVOA_U

ClientSampled :

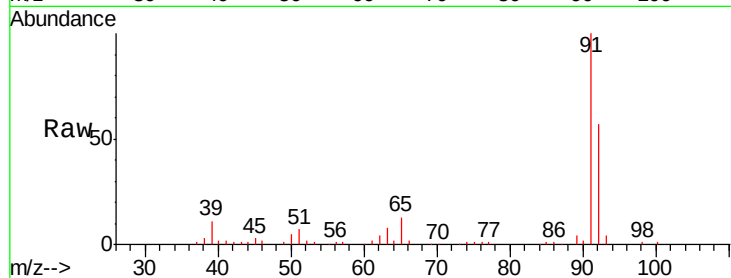
COMP-3

Tgt Ion: 92 Resp: 54460

Ion Ratio Lower Upper

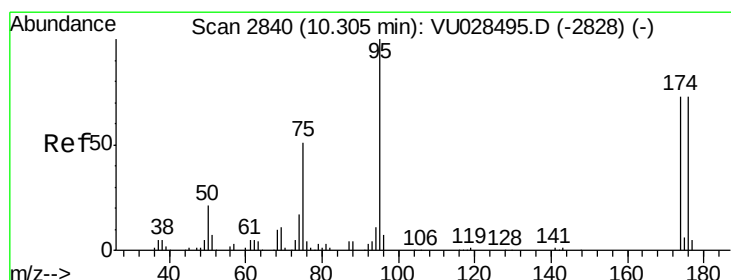
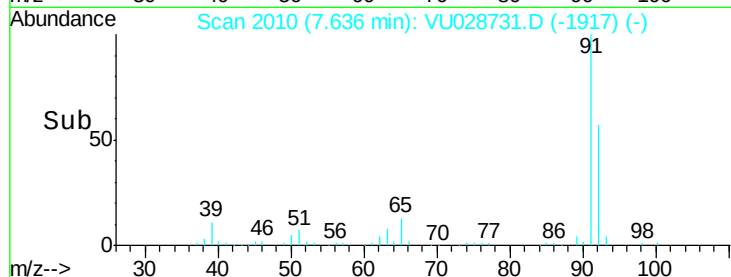
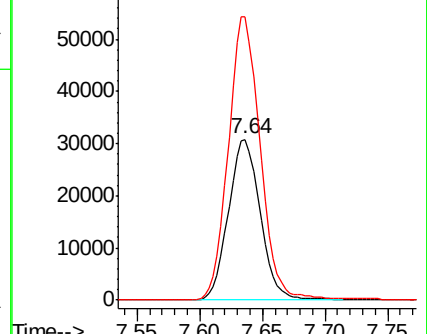
92 100

91 176.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 47.398 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028731.D

Acq: 17 Dec 2018 19:32

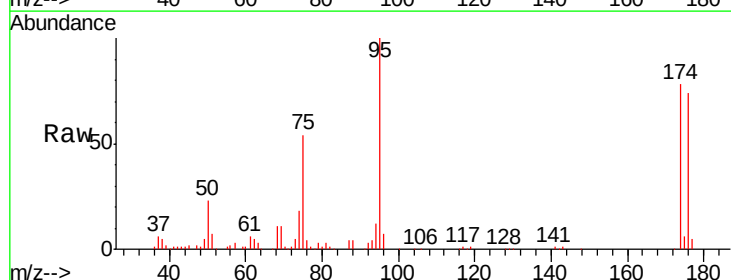
Tgt Ion: 95 Resp: 69733

Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.4

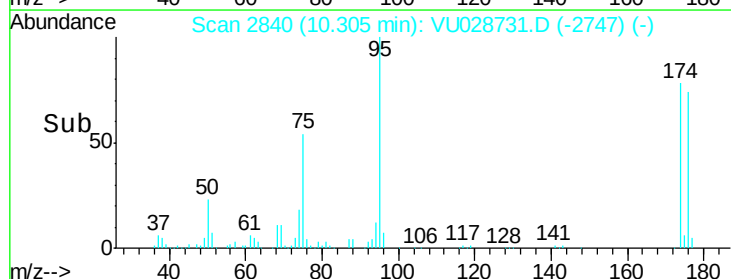
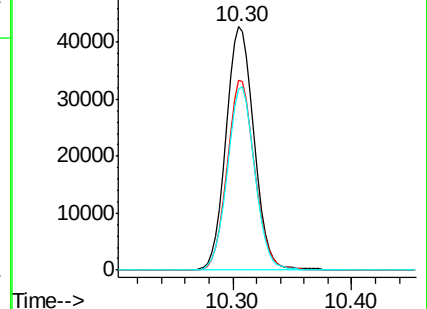
176 73.5 0.0 145.2

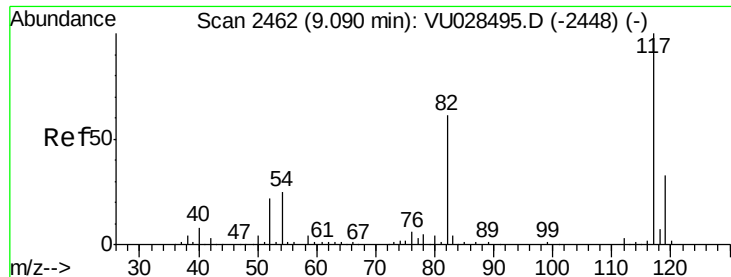


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

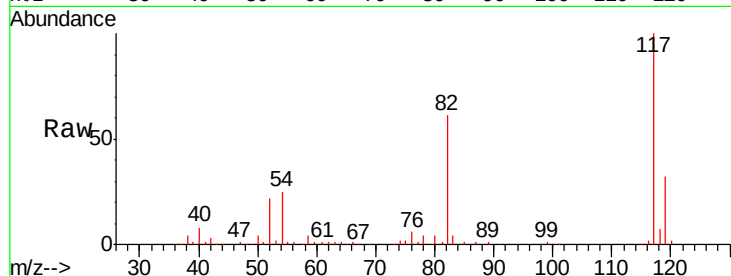




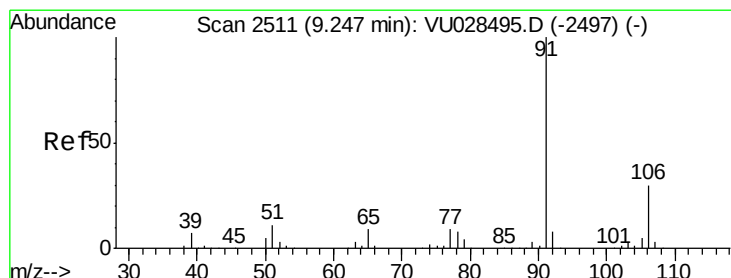
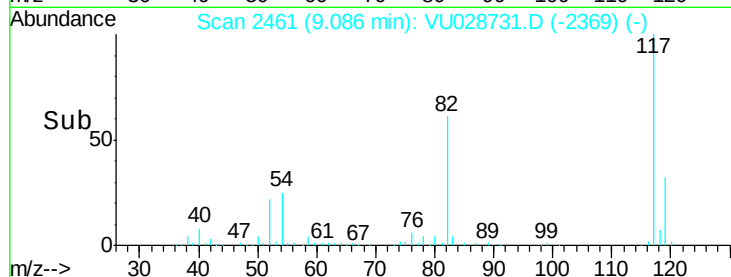
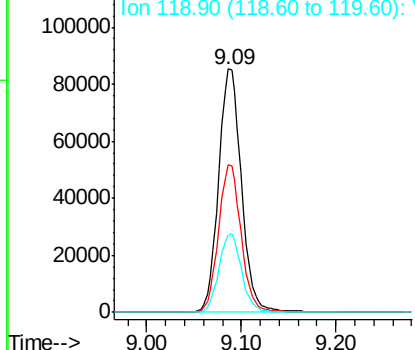
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028731.D
Acq: 17 Dec 2018 19:32

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:117 Resp: 143424
Ion Ratio Lower Upper
117 100
82 60.6 48.9 73.3
119 31.9 26.2 39.4

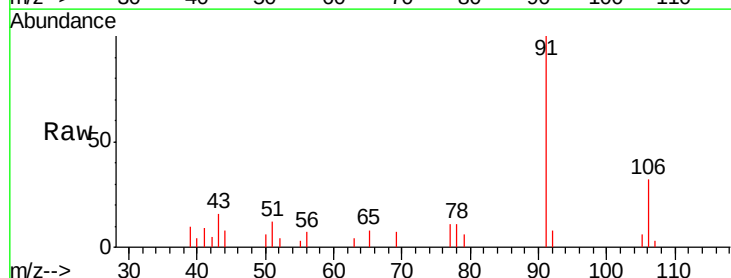


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

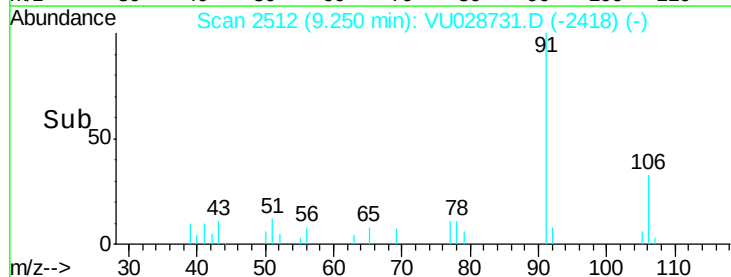
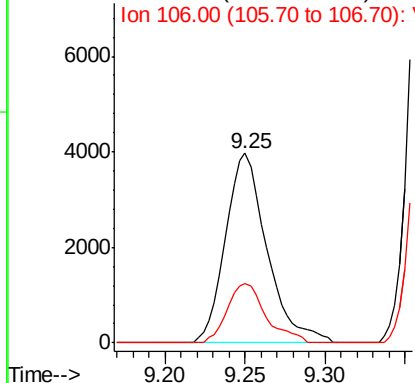


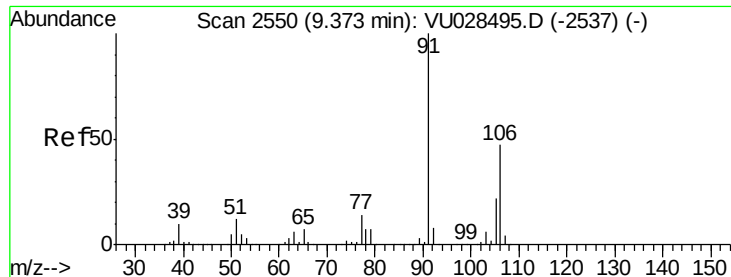
#67
Ethyl Benzene
Concen: 1.250 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028731.D
Acq: 17 Dec 2018 19:32

Tgt Ion: 91 Resp: 7024
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): V

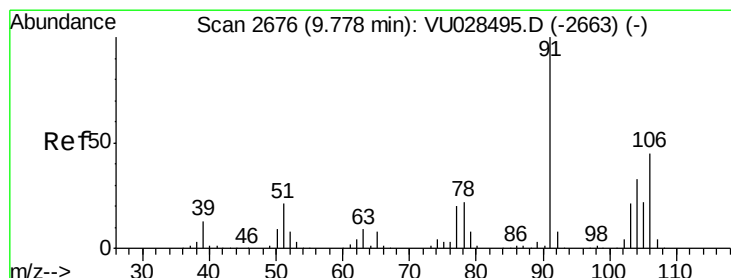
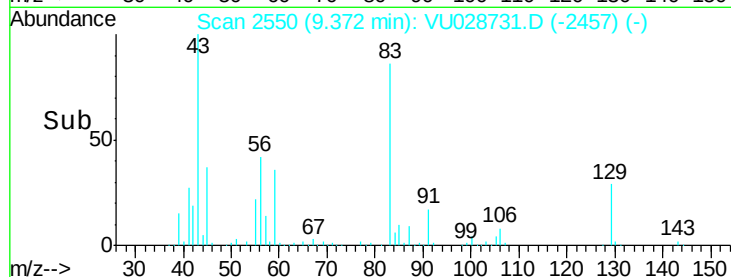
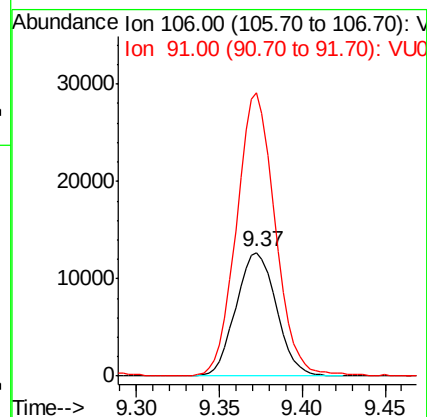
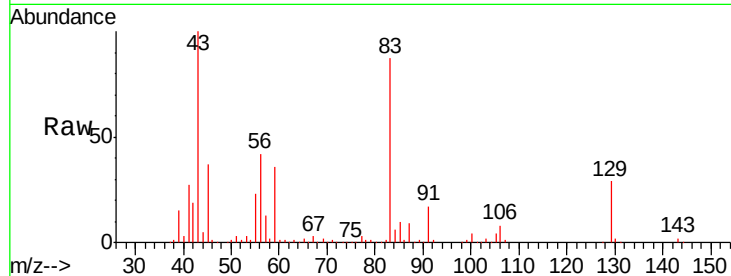




#68
m/p-Xylenes
Concen: 10.528 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028731.D
Acq: 17 Dec 2018 19:32

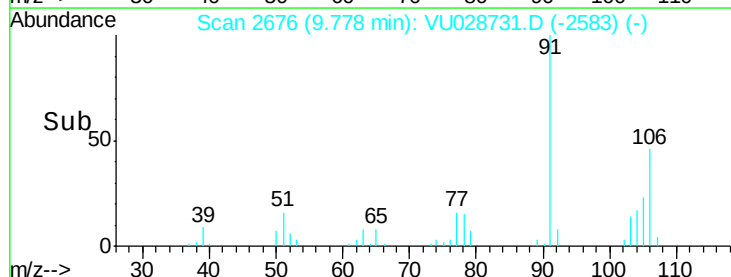
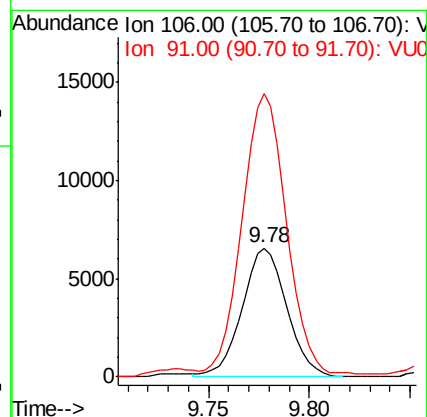
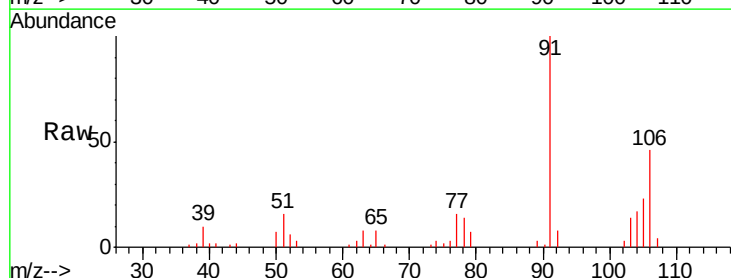
Instrument :
MSVOA_U
ClientSampleId :
COMP-3

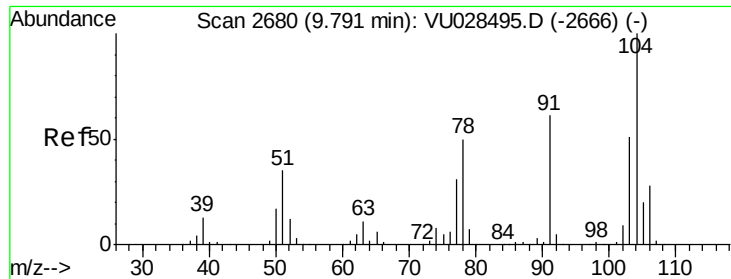
Tgt Ion:106 Resp: 21524
Ion Ratio Lower Upper
106 100
91 219.4 167.4 251.0



#69
o-Xylene
Concen: 5.117 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028731.D
Acq: 17 Dec 2018 19:32

Tgt Ion:106 Resp: 10166
Ion Ratio Lower Upper
106 100
91 222.1 111.3 334.0

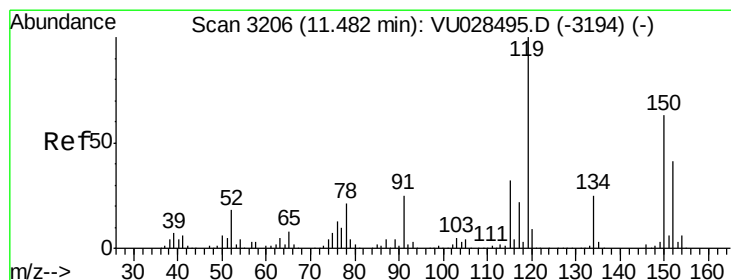
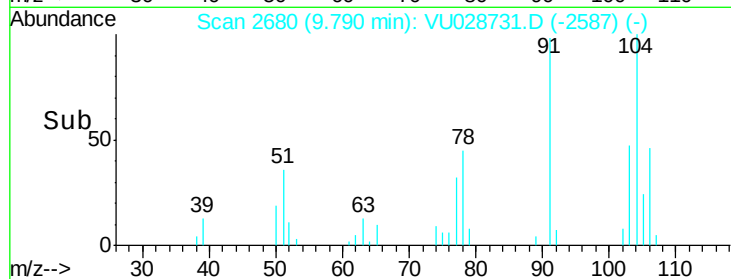
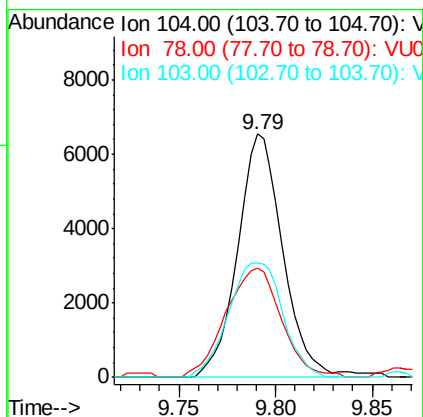
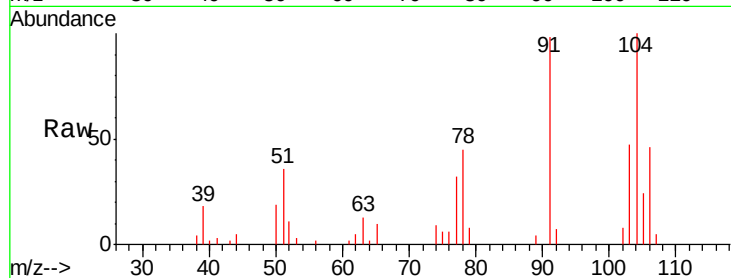




#70
Styrene
Concen: 3.217 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028731.D
Acq: 17 Dec 2018 19:32

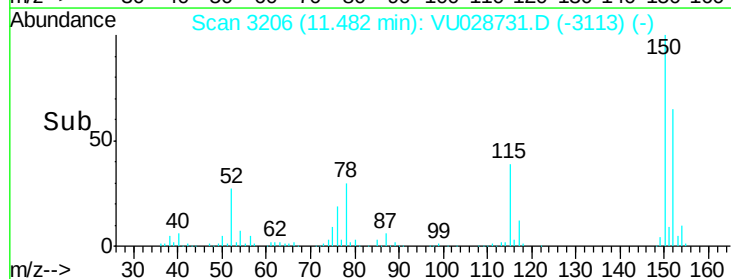
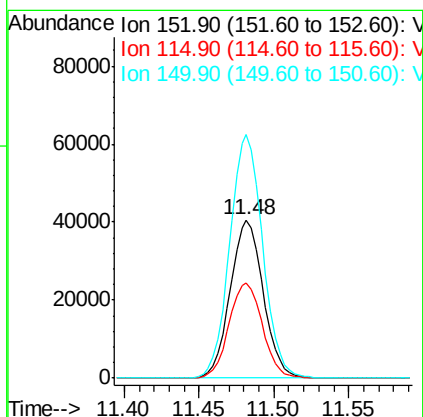
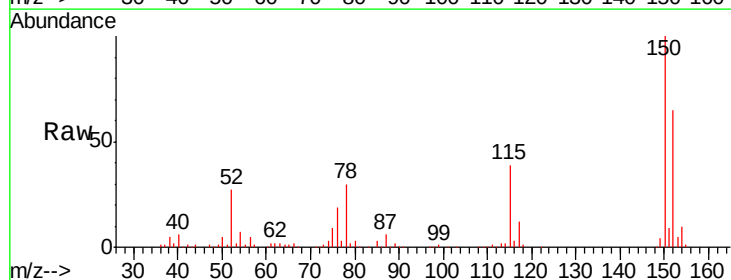
Instrument :
MSVOA_U
ClientSampleId :
COMP-3

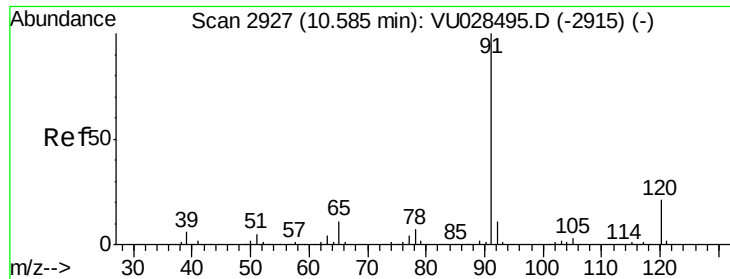
Tgt Ion:104 Resp: 10578
Ion Ratio Lower Upper
104 100
78 55.7 43.0 64.6
103 56.9 44.2 66.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028731.D
Acq: 17 Dec 2018 19:32

Tgt Ion:152 Resp: 62254
Ion Ratio Lower Upper
152 100
115 60.9 42.7 128.1
150 153.4 0.0 346.0





#78

n-propylbenzene

Concen: 0.788 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.01 min

Lab File: VU028731.D

Acq: 17 Dec 2018 19:32

Instrument :

MSVOA_U

ClientSampleId :

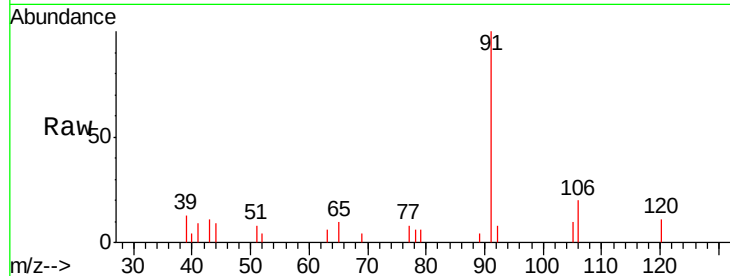
COMP-3

Tgt Ion: 91 Resp: 4675

Ion Ratio Lower Upper

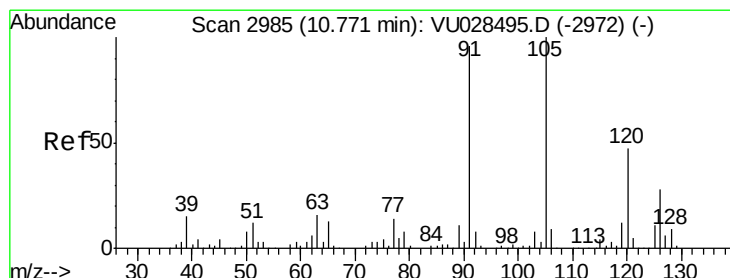
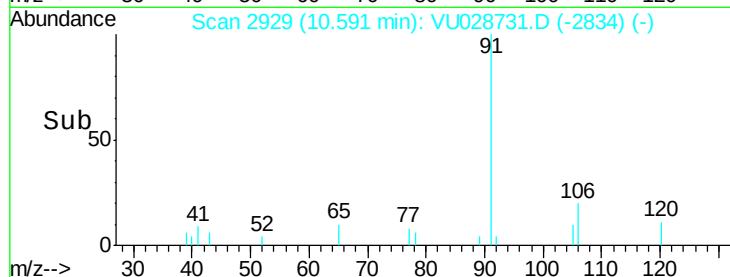
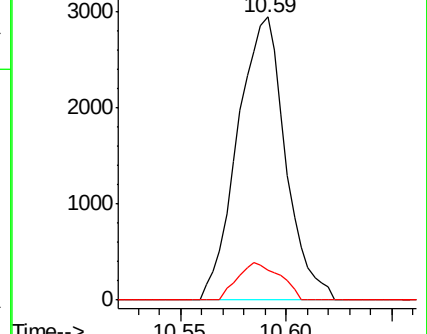
91 100

120 11.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.009 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028731.D

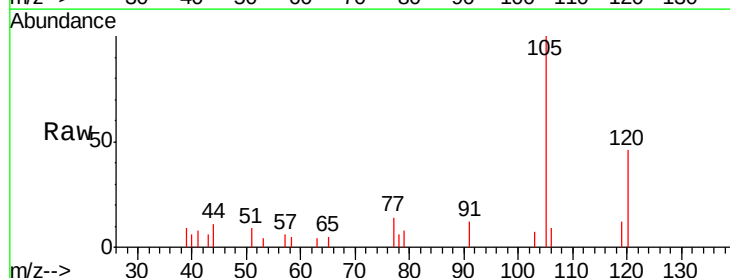
Acq: 17 Dec 2018 19:32

Tgt Ion: 105 Resp: 3991

Ion Ratio Lower Upper

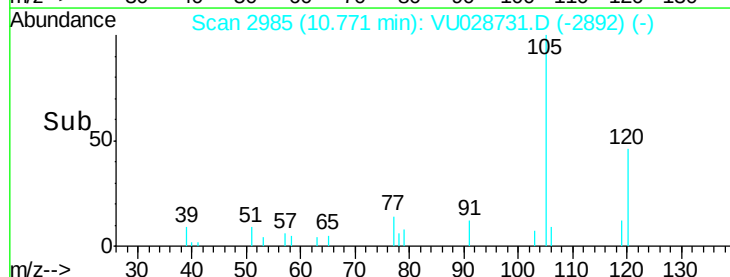
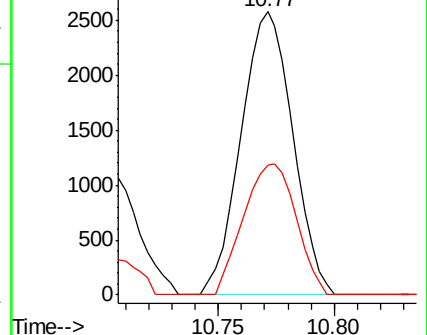
105 100

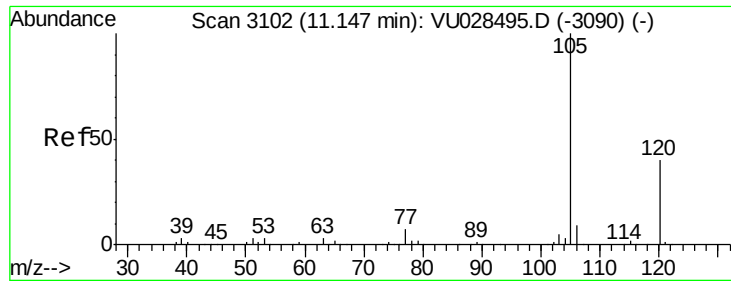
120 47.0 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

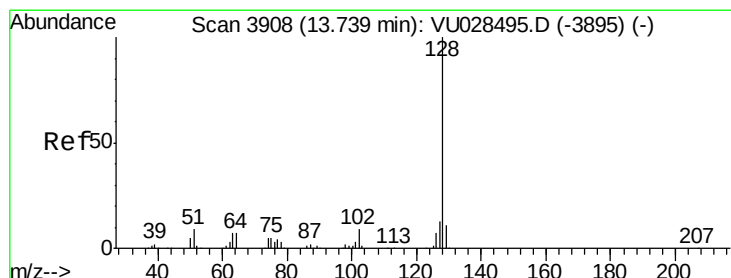
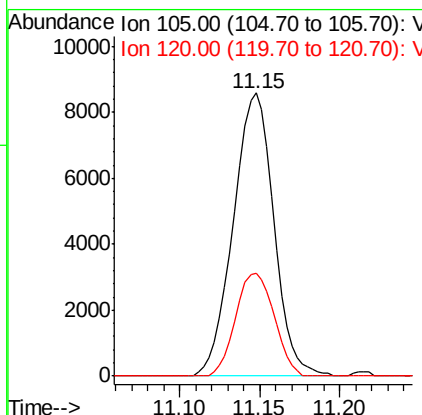
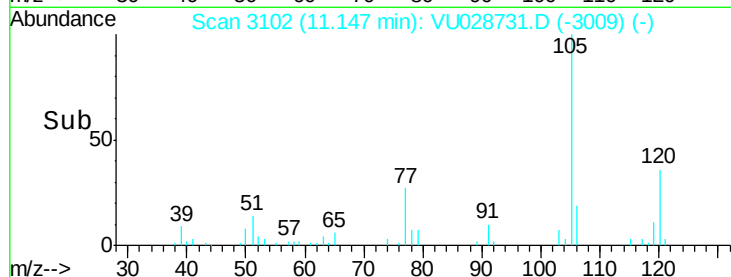
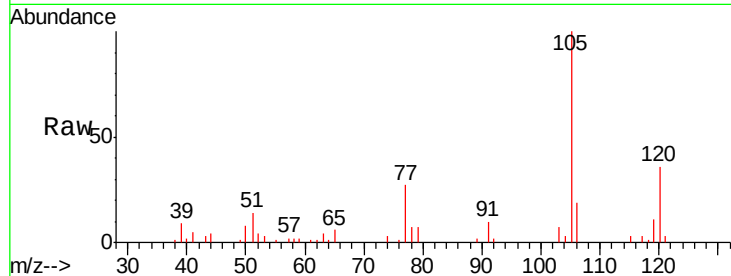




#84
 1,2,4-Trimethylbenzene
 Concen: 3.645 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028731.D
 Acq: 17 Dec 2018 19:32

Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-3

Tgt Ion:105 Resp: 14853
 Ion Ratio Lower Upper
 105 100
 120 34.4 21.8 65.4



#95
 Naphthalene
 Concen: 46.607 ug/l
 RT: 13.74 min Scan# 3908
 Delta R.T. -0.00 min
 Lab File: VU028731.D
 Acq: 17 Dec 2018 19:32

Tgt Ion:128 Resp: 236001
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.4 15.6
 129 10.7 8.6 13.0

