

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028716.D
 Acq On : 17 Dec 2018 13:30
 Operator : MD/SY
 Sample : J6411-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218

Quant Time: Dec 18 11:53:04 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	76866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	134311	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	123492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	56589	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	61424	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	4.88	113	46080	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
50) Toluene-d8	7.57	98	177488	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	10.30	95	62807	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	

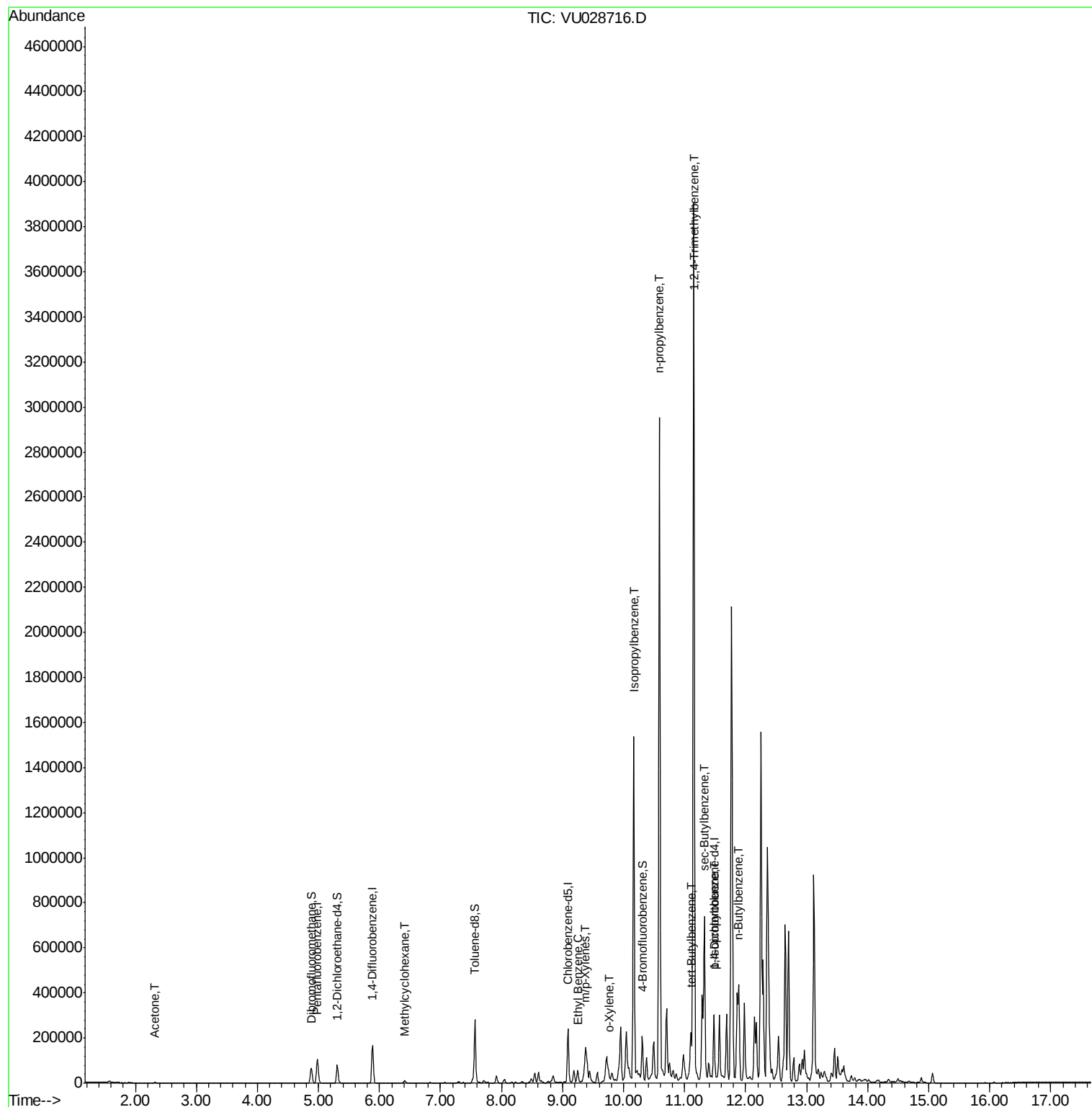
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	4552	5.947	ug/l	99
39) Methylcyclohexane	6.41	83	4090	2.281	ug/l	96
67) Ethyl Benzene	9.25	91	22695	4.691	ug/l	98
68) m/p-Xylenes	9.38	106	29043	16.499	ug/l	96
69) o-Xylene	9.78	106	1398	0.817	ug/l	85
73) Isopropylbenzene	10.17	105	941030	216.714	ug/l	100
78) n-propylbenzene	10.59	91	2185274	405.004	ug/l	99
83) tert-Butylbenzene	11.10	119	77206	22.285	ug/l	88
84) 1,2,4-Trimethylbenzene	11.15	105	2002092	540.473	ug/l	100
85) sec-Butylbenzene	11.32	105	458710	103.063	ug/l	100
86) p-Isopropyltoluene	11.48	119	35858	9.484	ug/l	99
89) n-Butylbenzene	11.89	91	239150	62.501	ug/l #	81

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

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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: VU028716.D

Acq: 17 Dec 2018 13:30

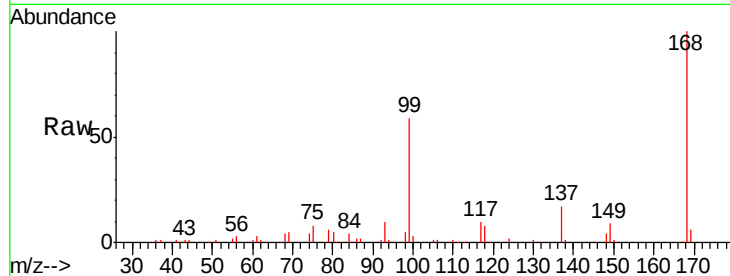
Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218

Tgt Ion:168 Resp: 76866

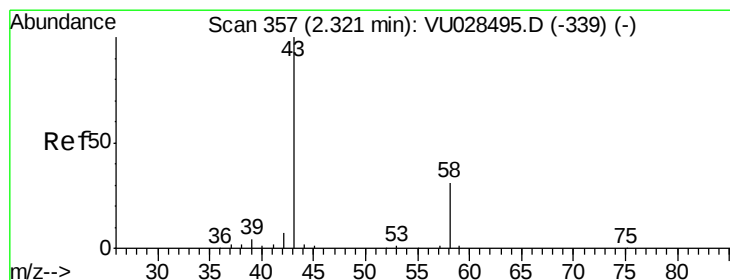
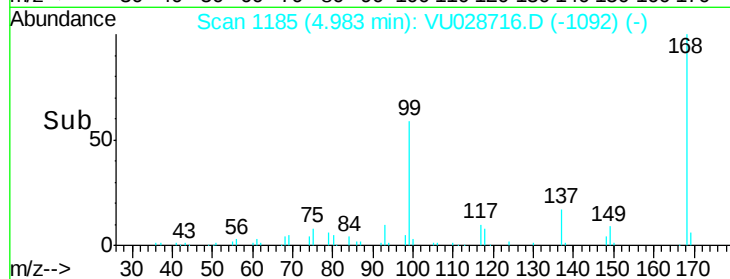
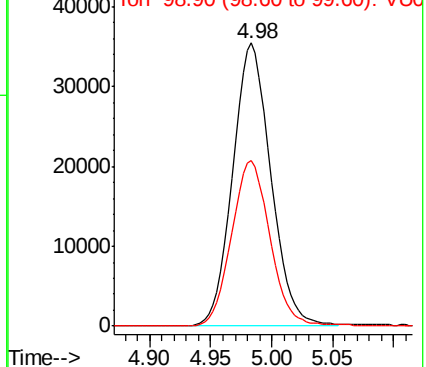
Ion Ratio Lower Upper

168 100

99 58.5 46.6 69.8



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



#16

Acetone

Concen: 5.947 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028716.D

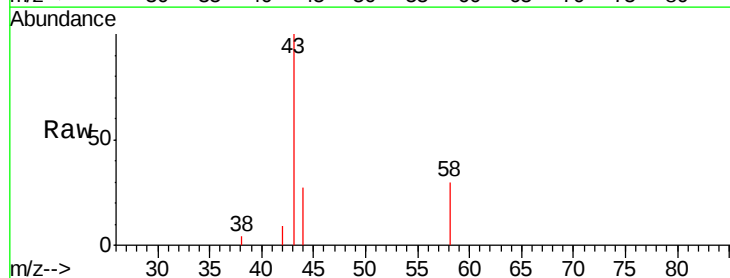
Acq: 17 Dec 2018 13:30

Tgt Ion: 43 Resp: 4552

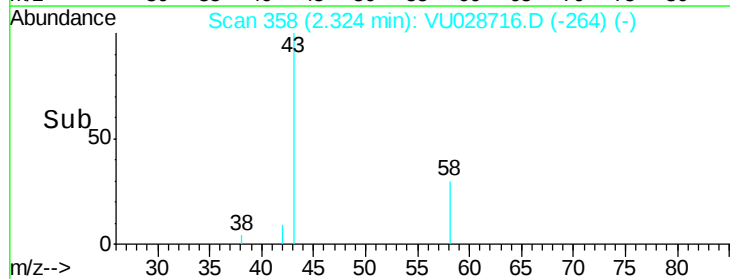
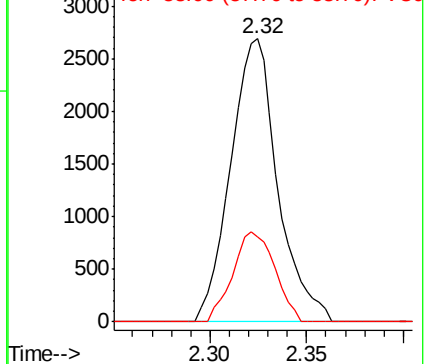
Ion Ratio Lower Upper

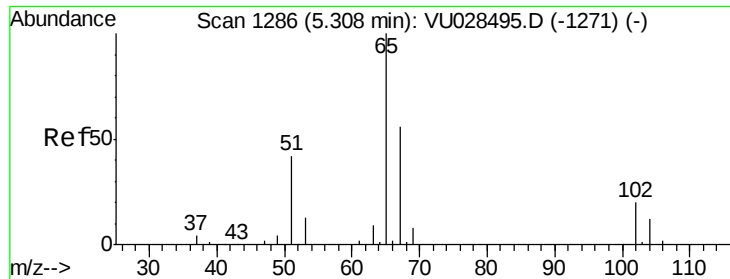
43 100

58 30.2 24.6 37.0



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

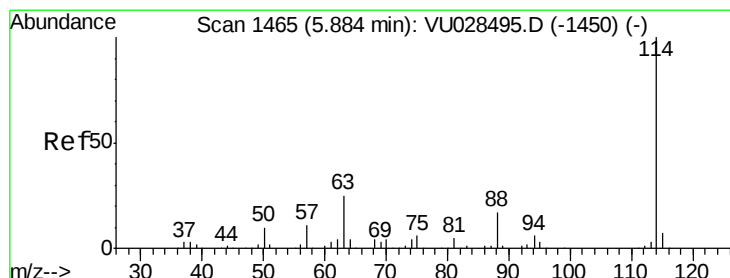
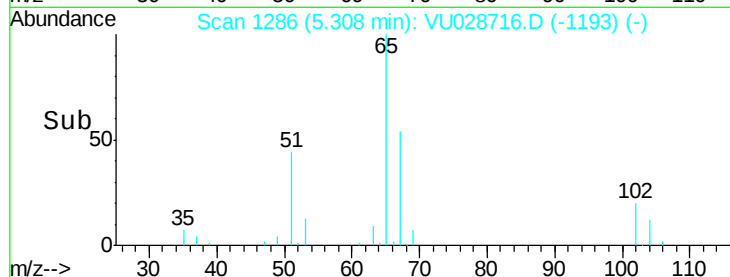
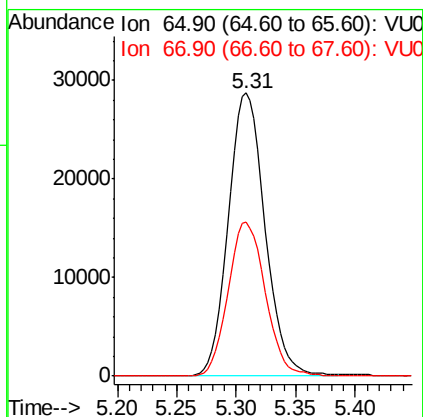
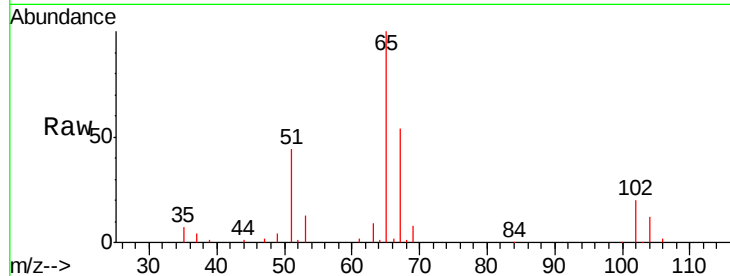




#33
 1,2-Dichloroethane-d4
 Concen: 52.364 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

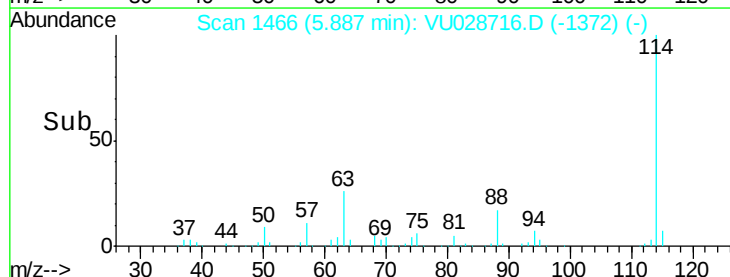
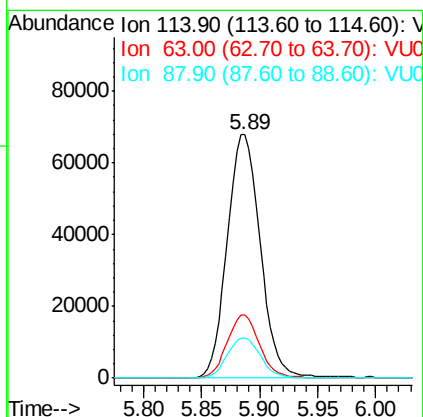
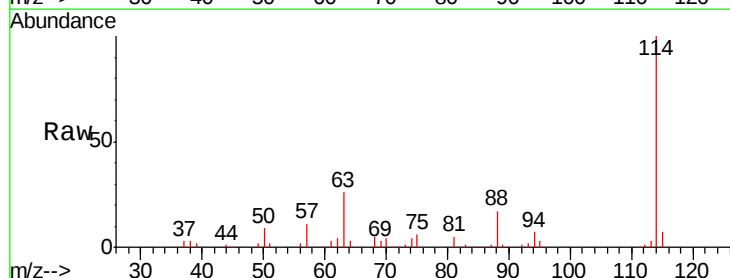
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218

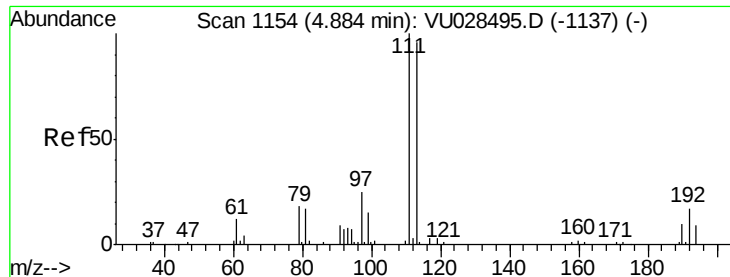
Tgt Ion: 65 Resp: 61424
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Tgt Ion: 114 Resp: 134311
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 49.2
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.518 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218

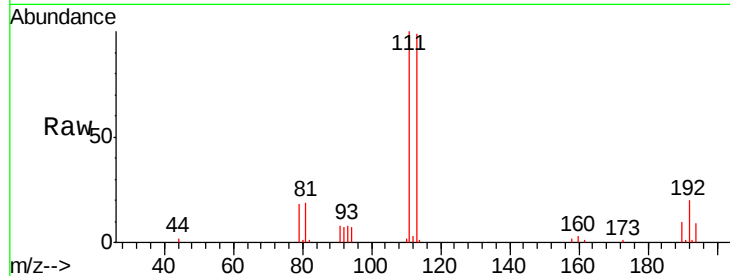
Tgt Ion:113 Resp: 46080

Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.0

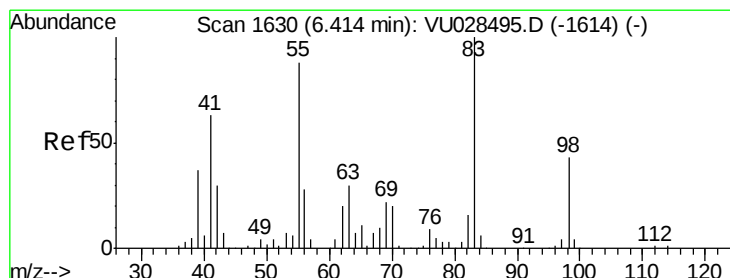
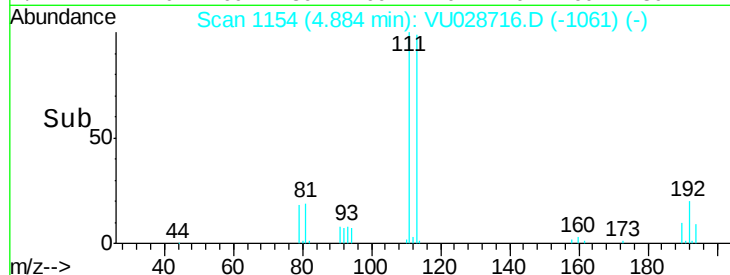
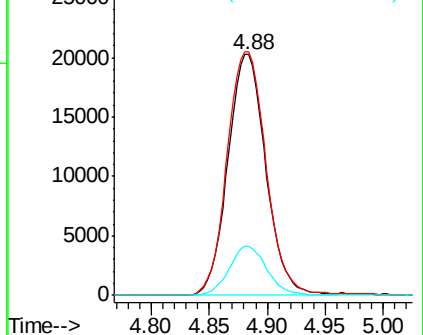
192 20.1 14.8 22.2



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



#39

Methylcyclohexane

Concen: 2.281 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

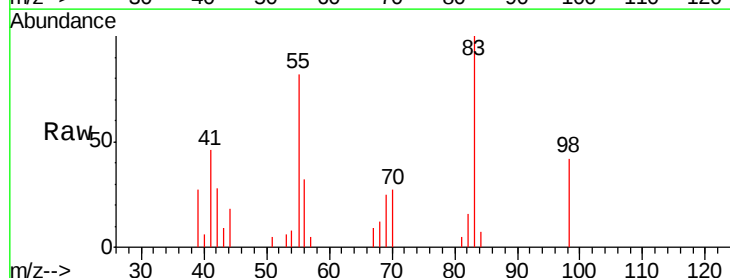
Tgt Ion: 83 Resp: 4090

Ion Ratio Lower Upper

83 100

55 82.4 70.2 105.2

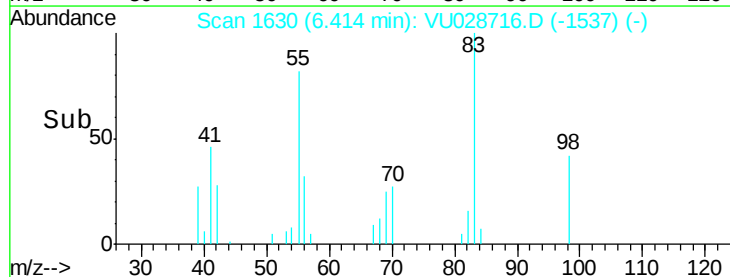
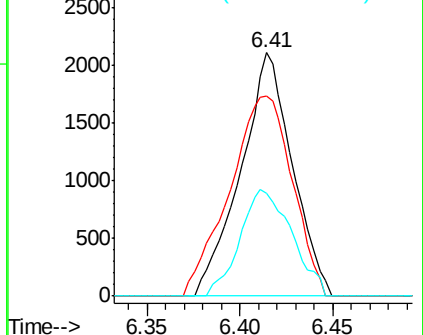
98 42.5 34.2 51.4

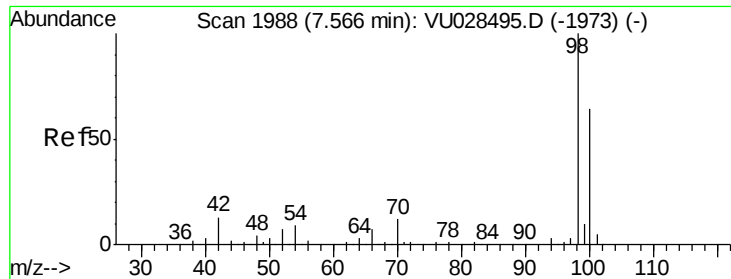


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#50

Toluene-d8

Concen: 53.083 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

ClientSampleId :

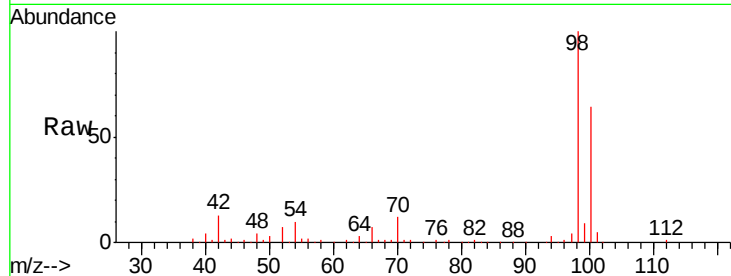
EP1-MW-J-1218

Tgt Ion: 98 Resp: 177488

Ion Ratio Lower Upper

98 100

100 64.1 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) (-)

7.57

120000

100000

80000

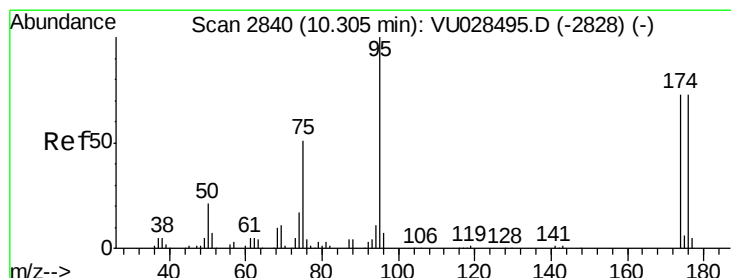
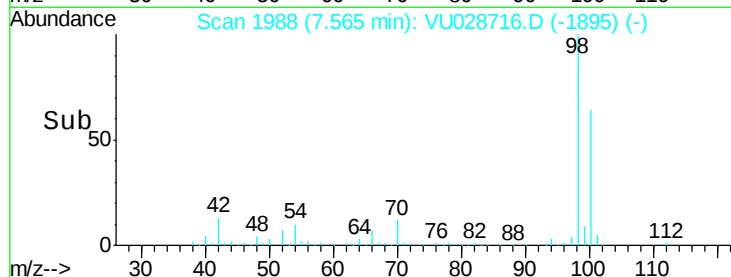
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.257 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

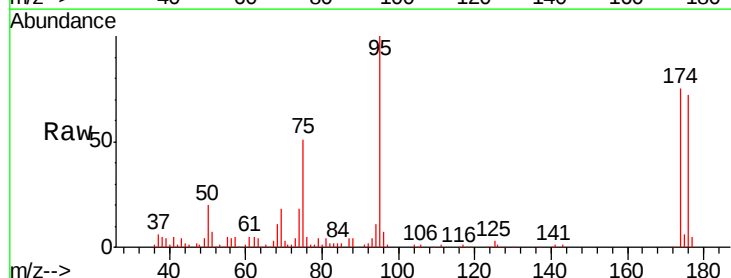
Tgt Ion: 95 Resp: 62807

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.4

176 71.3 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

10.30

50000

40000

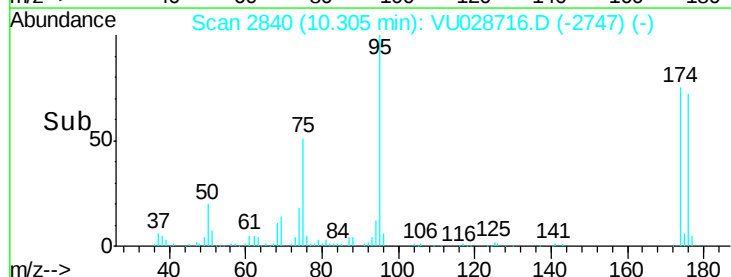
30000

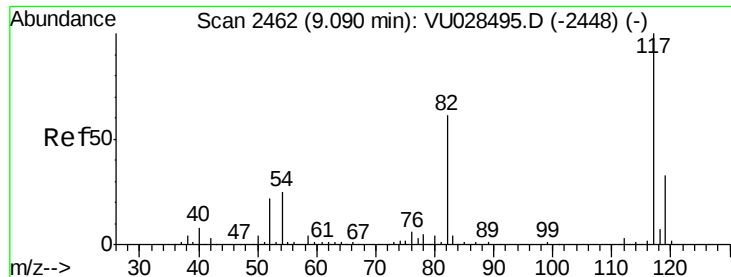
20000

10000

0

Time-->

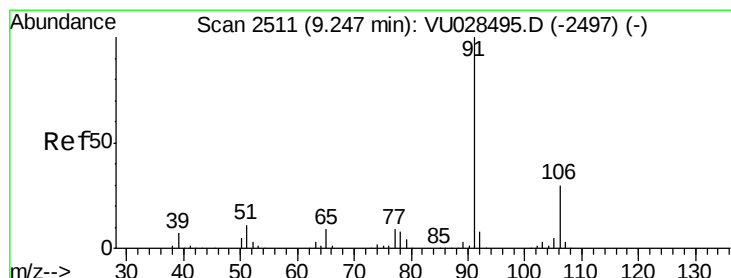
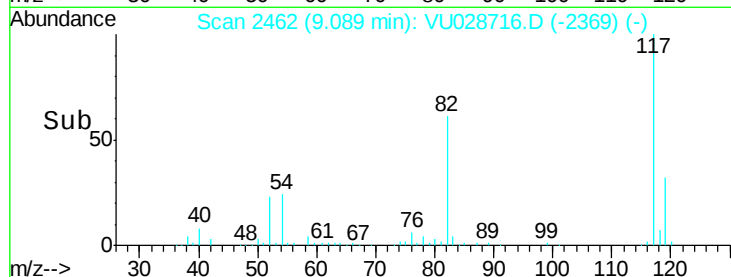
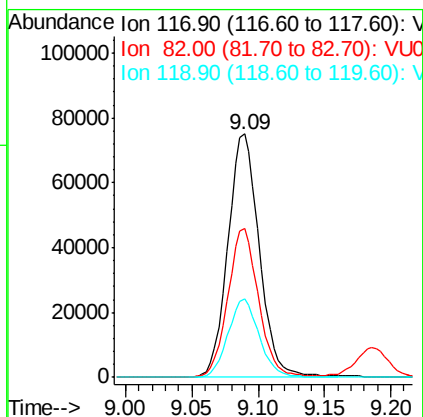
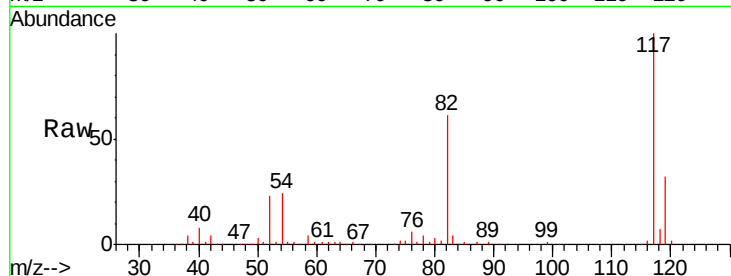




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028716.D
Acq: 17 Dec 2018 13:30

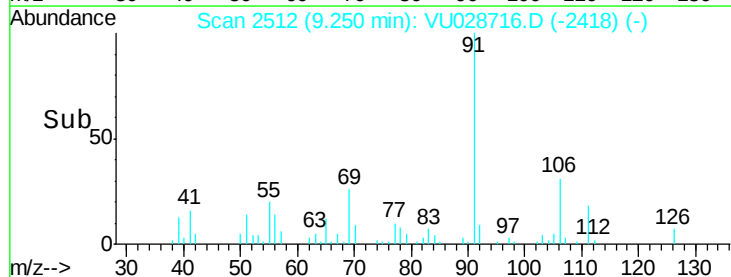
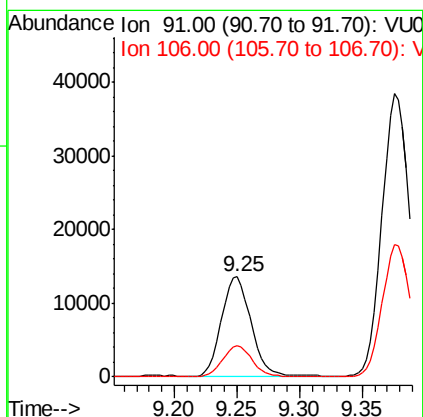
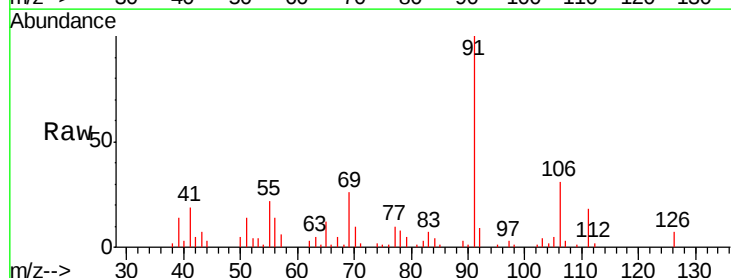
Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218

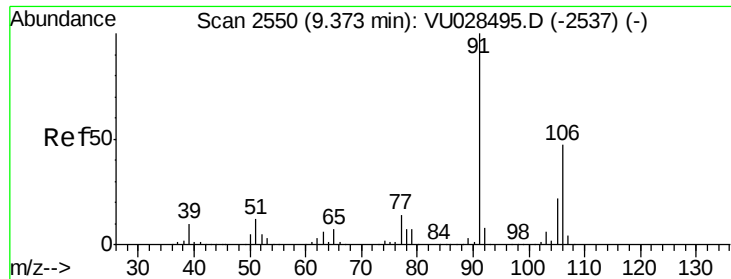
Tgt Ion: 117 Resp: 123492
Ion Ratio Lower Upper
117 100
82 60.6 48.9 73.3
119 32.1 26.2 39.4



#67
Ethyl Benzene
Concen: 4.691 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028716.D
Acq: 17 Dec 2018 13:30

Tgt Ion: 91 Resp: 22695
Ion Ratio Lower Upper
91 100
106 31.2 24.1 36.1

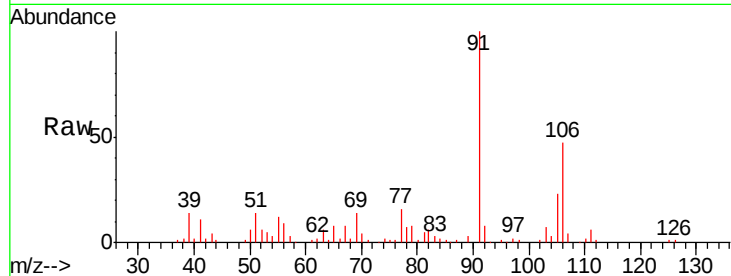




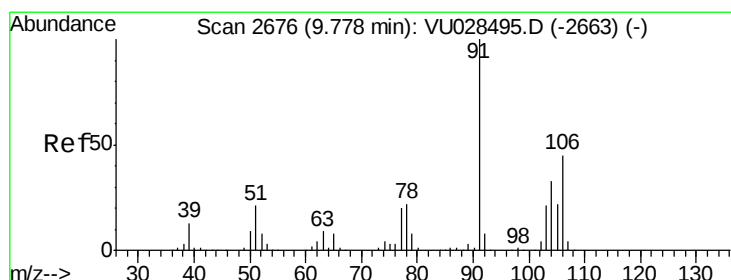
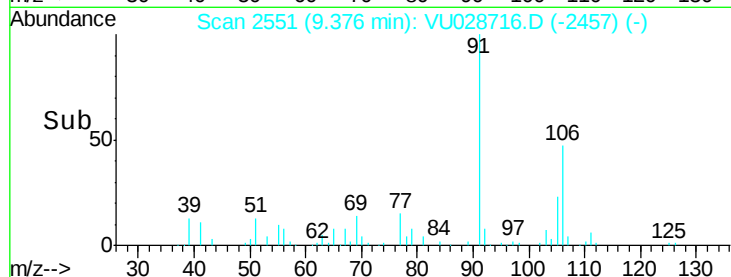
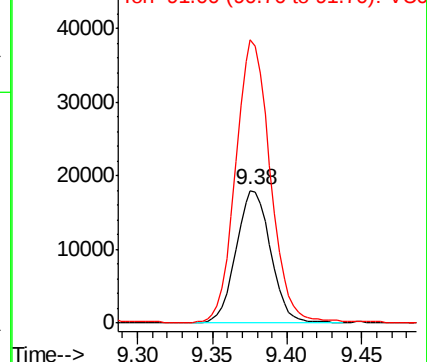
#68
m/p-Xylenes
Concen: 16.499 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028716.D
Acq: 17 Dec 2018 13:30

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218

Tgt Ion:106 Resp: 29043
Ion Ratio Lower Upper
106 100
91 216.0 167.4 251.0

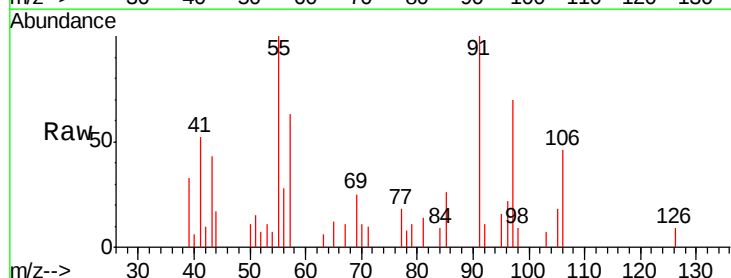


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

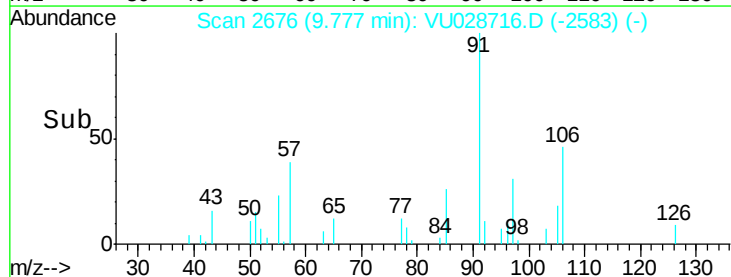
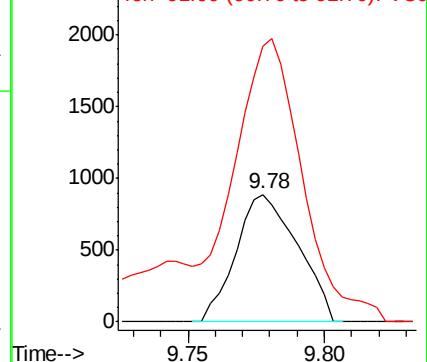


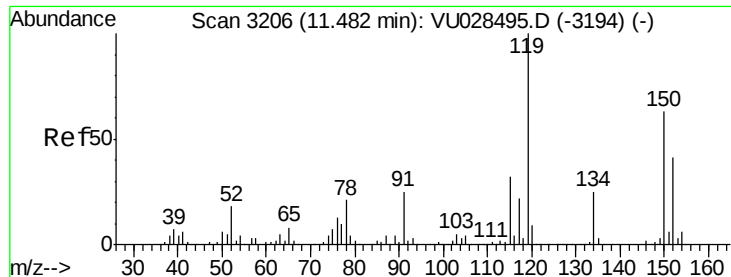
#69
o-Xylene
Concen: 0.817 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028716.D
Acq: 17 Dec 2018 13:30

Tgt Ion:106 Resp: 1398
Ion Ratio Lower Upper
106 100
91 246.6 111.3 334.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218

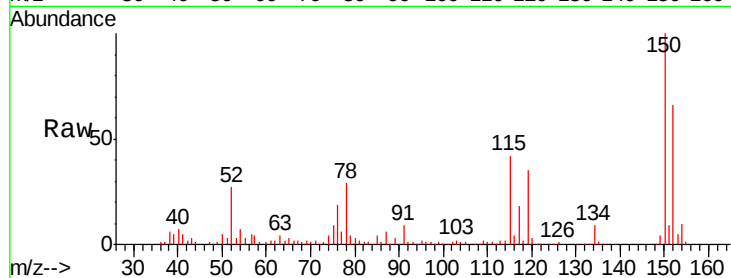
Tgt Ion:152 Resp: 56589

Ion Ratio Lower Upper

152 100

115 63.9 42.7 128.1

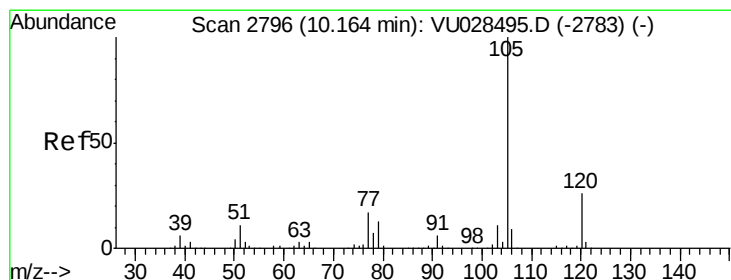
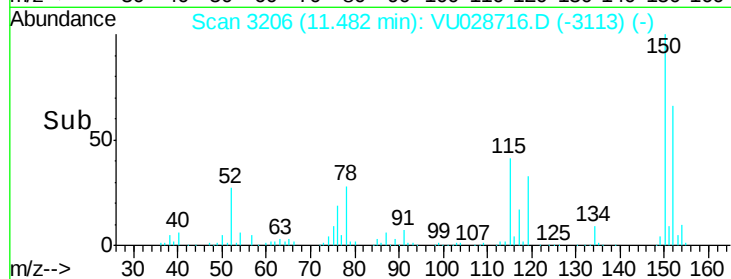
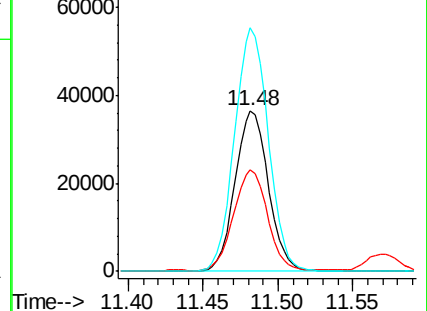
150 154.3 0.0 346.0



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



#73

Isopropylbenzene

Concen: 216.714 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028716.D

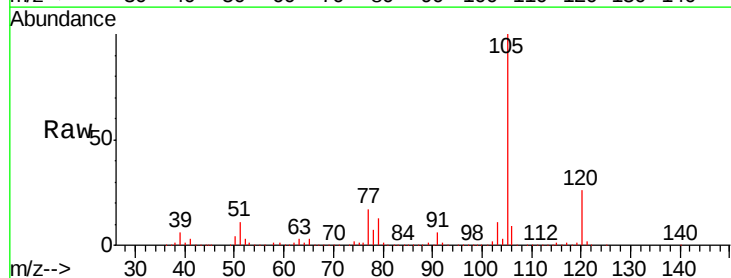
Acq: 17 Dec 2018 13:30

Tgt Ion:105 Resp: 941030

Ion Ratio Lower Upper

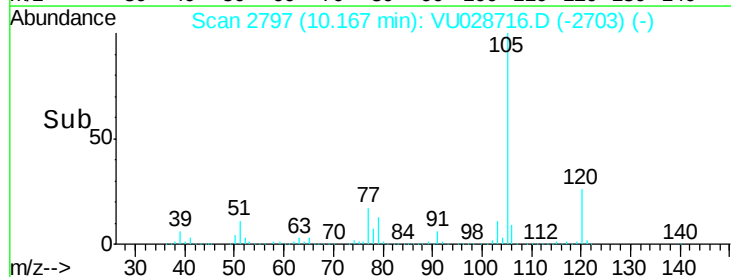
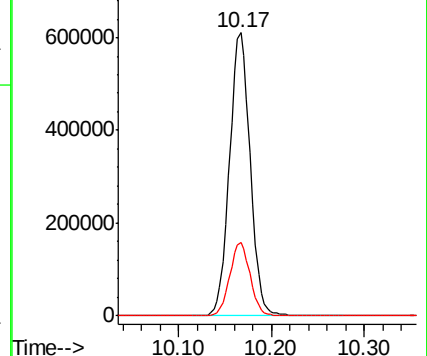
105 100

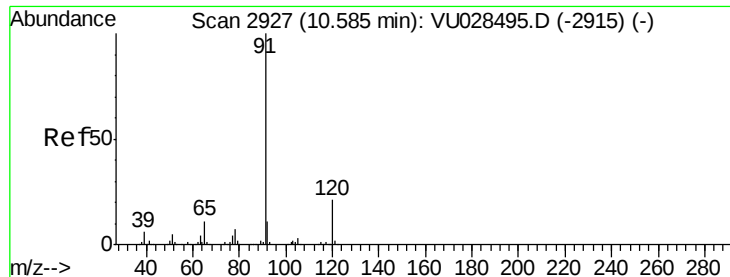
120 25.8 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 405.004 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

ClientSampleId :

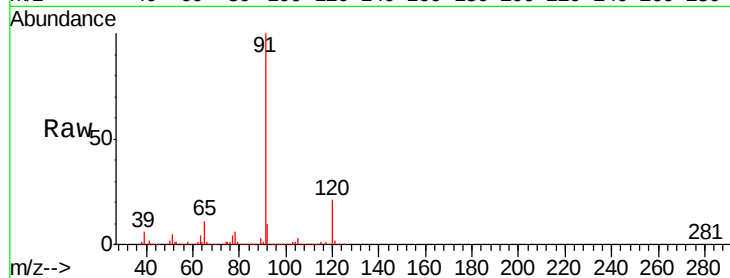
EP1-MW-J-1218

Tgt Ion: 91 Resp: 2185274

Ion Ratio Lower Upper

91 100

120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2915) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2915) (-)

10.59

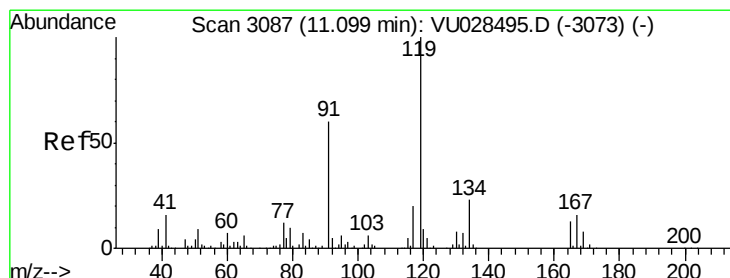
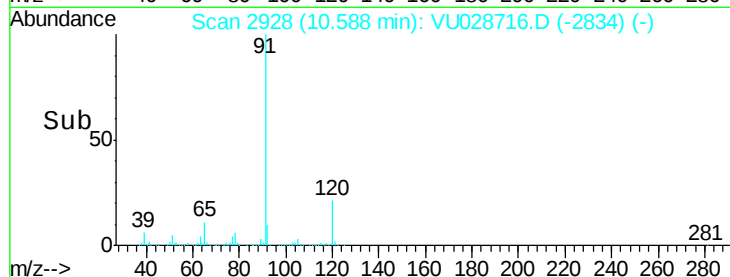
1500000

1000000

500000

0

Time-->



#83

tert-Butylbenzene

Concen: 22.285 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

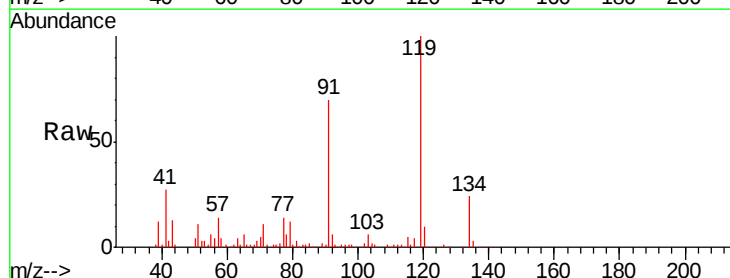
Tgt Ion: 119 Resp: 77206

Ion Ratio Lower Upper

119 100

91 72.1 30.3 91.0

134 23.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): VU028495.D (-3073) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-3073) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3073) (-)

200000

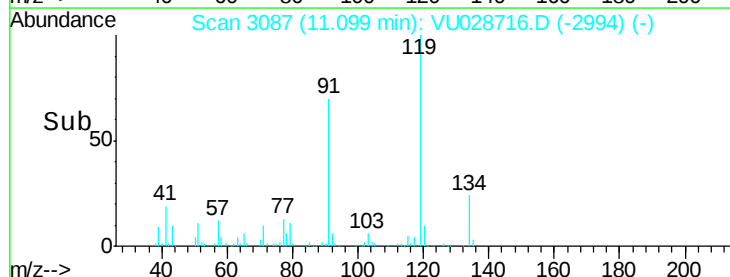
150000

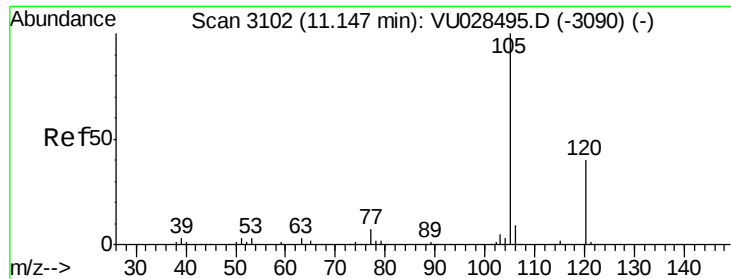
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50000

0

Time-->

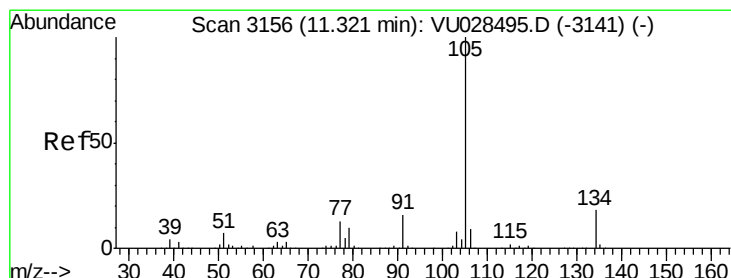
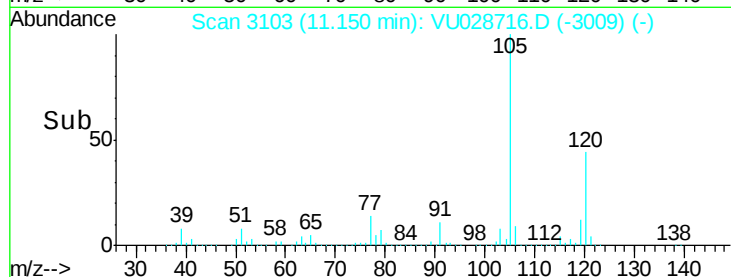
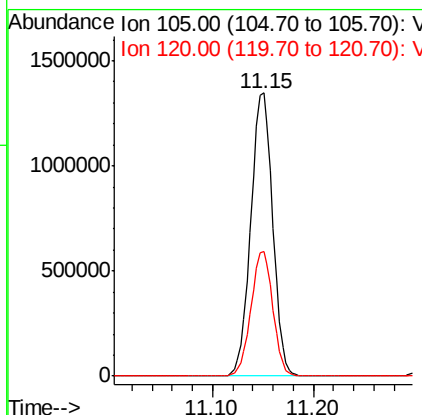
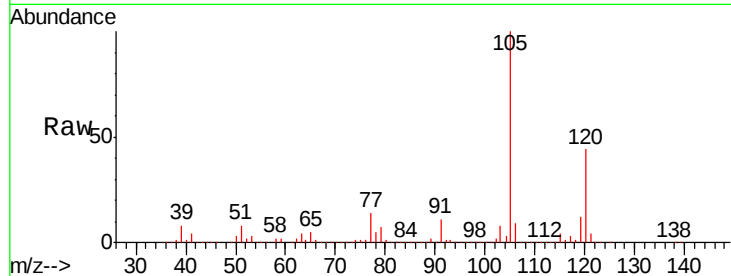




#84
 1,2,4-Trimethylbenzene
 Concen: 540.473 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

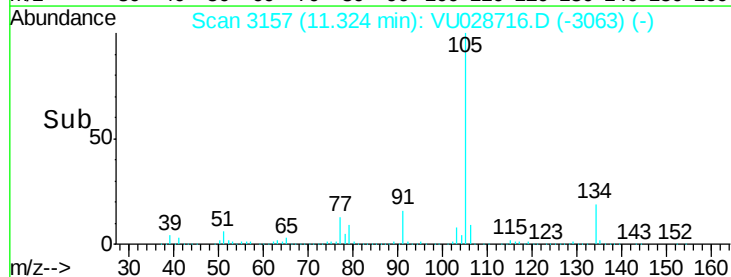
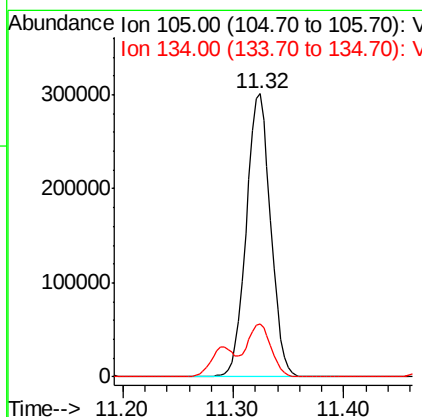
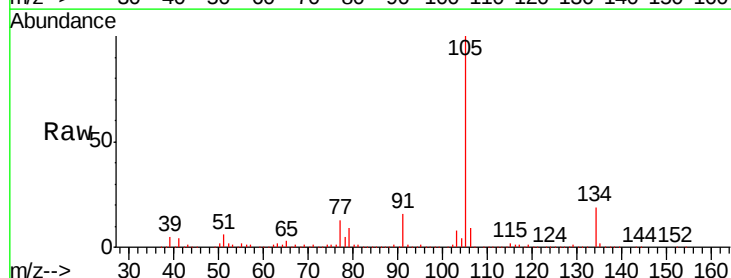
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218

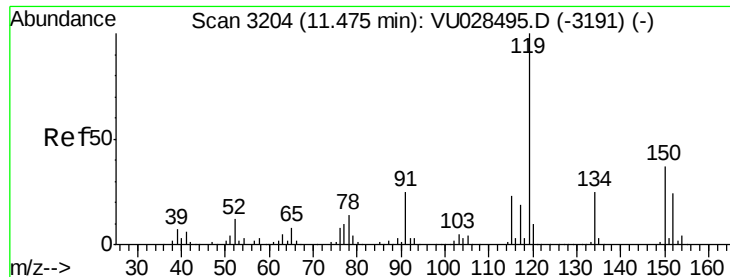
Tgt Ion:105 Resp: 2002092
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.8 65.4



#85
 sec-Butylbenzene
 Concen: 103.063 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Tgt Ion:105 Resp: 458710
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.2 27.6

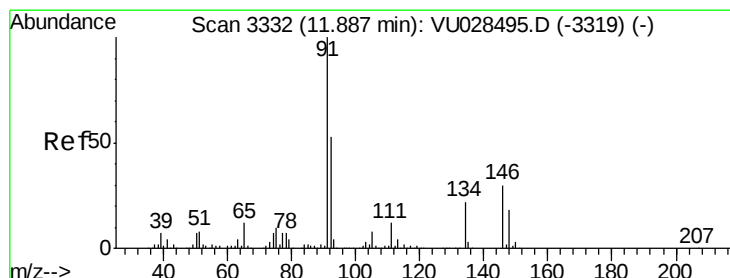
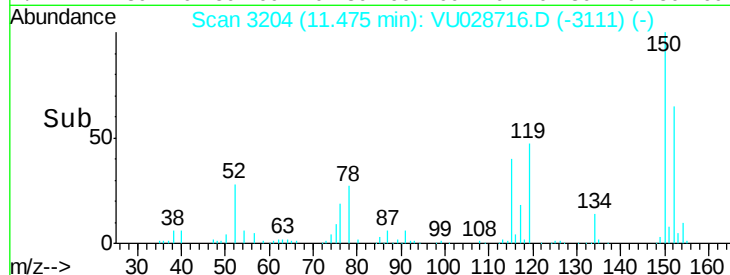
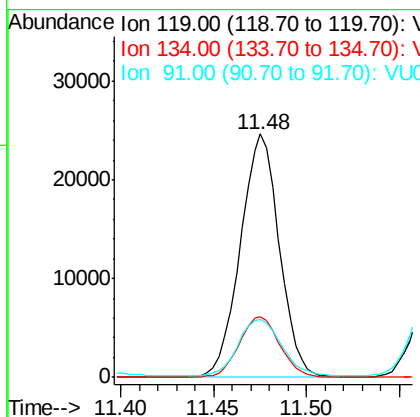
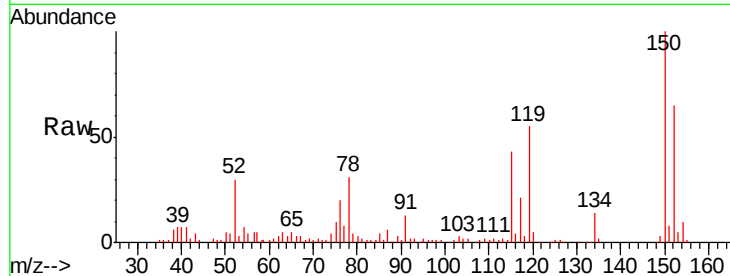




#86
 p-Isopropyltoluene
 Concen: 9.484 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.7	38.1
91	26.2	12.6	37.6



#89
 n-Butylbenzene
 Concen: 62.501 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.2	26.3	78.9
134	0.0	11.3	33.8#

