

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028748.D
 Acq On : 18 Dec 2018 03:11
 Operator : MD/SY
 Sample : J6411-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Dec 18 08:30:09 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	80829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	141411	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61484	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	64558	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	4.88	113	48005	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
50) Toluene-d8	7.57	98	186043	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	10.30	95	69343	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	

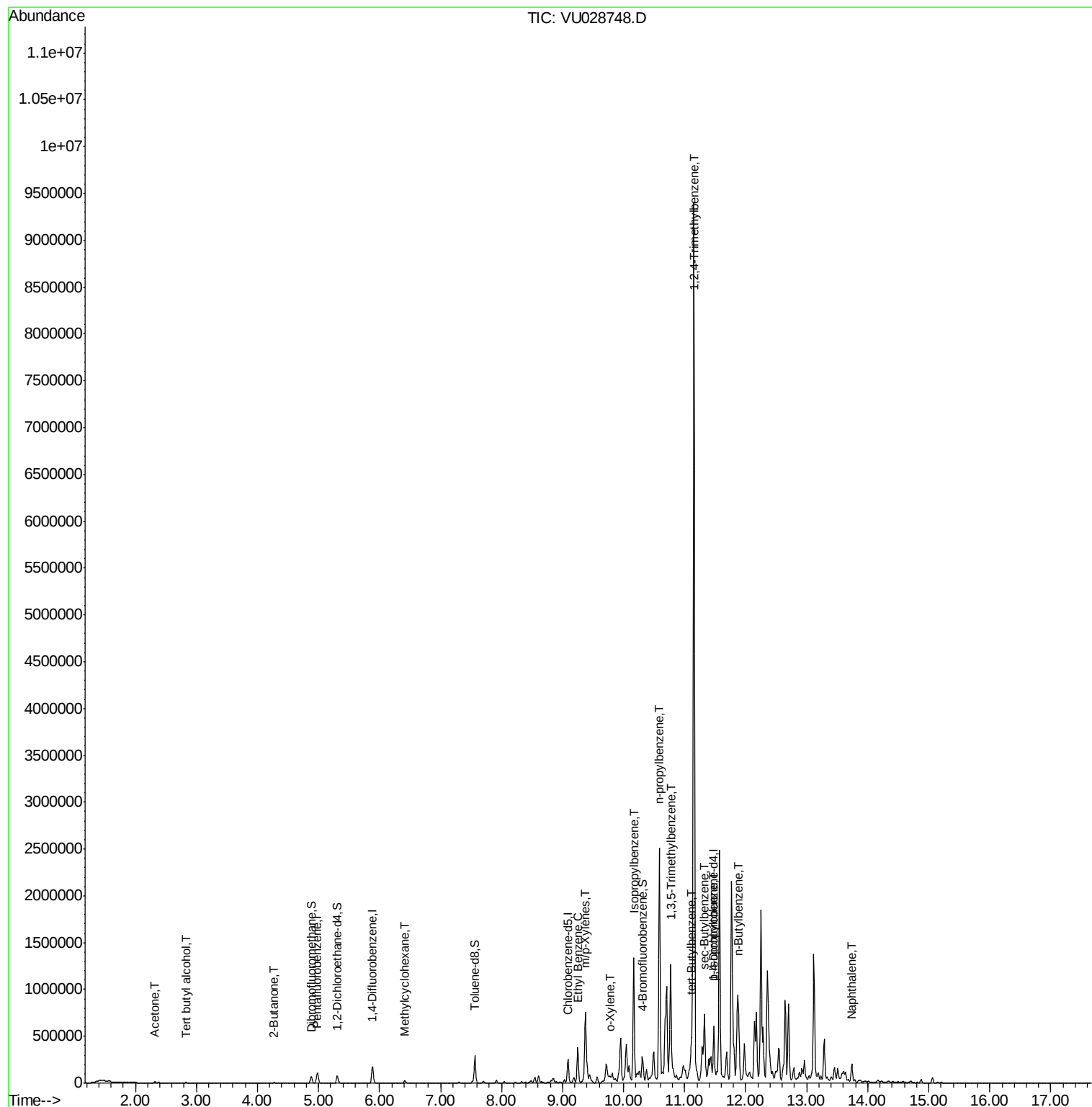
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	8219	29.907	ug/l #	94
16) Acetone	2.32	43	17666	21.948	ug/l	100
25) 2-Butanone	4.27	43	11699	10.635	ug/l	96
39) Methylcyclohexane	6.41	83	8007	4.241	ug/l	96
67) Ethyl Benzene	9.25	91	239817	46.675	ug/l	98
68) m/p-Xylenes	9.38	106	187229	100.144	ug/l	95
69) o-Xylene	9.78	106	14244	7.840	ug/l	97
73) Isopropylbenzene	10.17	105	800447	169.662	ug/l	100
78) n-propylbenzene	10.59	91	1881971	321.023	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	590064	151.092	ug/l	100
83) tert-Butylbenzene	11.10	119	77299	20.535	ug/l	90
84) 1,2,4-Trimethylbenzene	11.15	105	4782808	1188.346	ug/l	99
85) sec-Butylbenzene	11.32	105	400301	82.779	ug/l	99
86) p-Isopropyltoluene	11.48	119	177969	43.324	ug/l	99
89) n-Butylbenzene	11.89	91	313920	75.511	ug/l #	65
95) Naphthalene	13.74	128	132672	26.529	ug/l	99

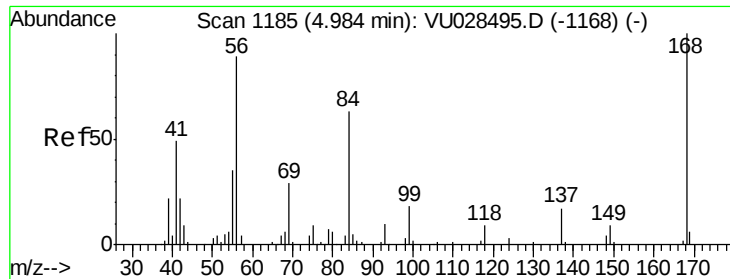
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028748.D

Acq: 18 Dec 2018 03:11

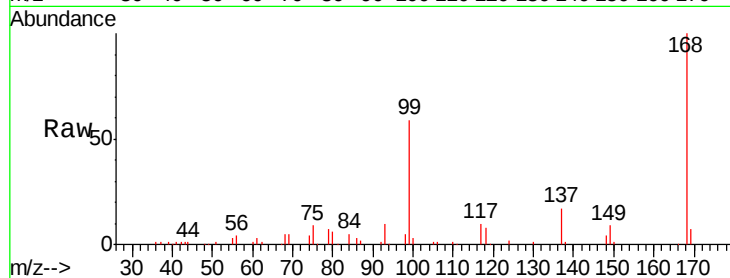
Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-I-1218

Tgt Ion:168 Resp: 80829

Ion Ratio Lower Upper

168 100

99 58.5 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D

4.98

30000

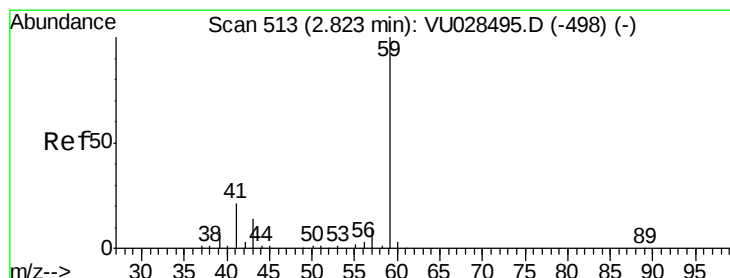
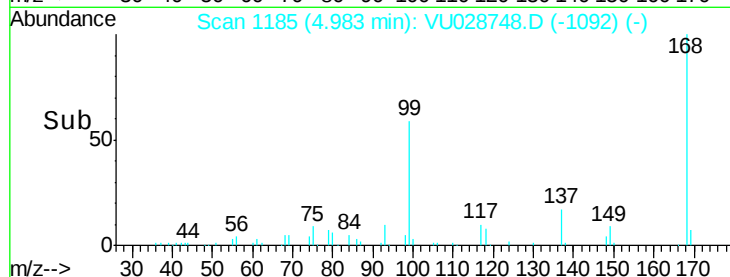
20000

10000

0

4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 29.907 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028748.D

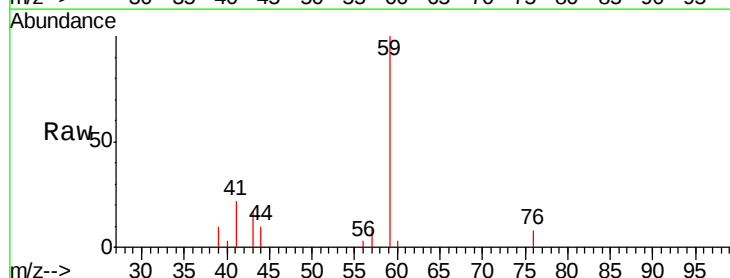
Acq: 18 Dec 2018 03:11

Tgt Ion: 59 Resp: 8219

Ion Ratio Lower Upper

59 100

57 7.7 8.0 12.0#



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

Ion 57.00 (56.70 to 57.70): VU028495.D

2.83

4000

3000

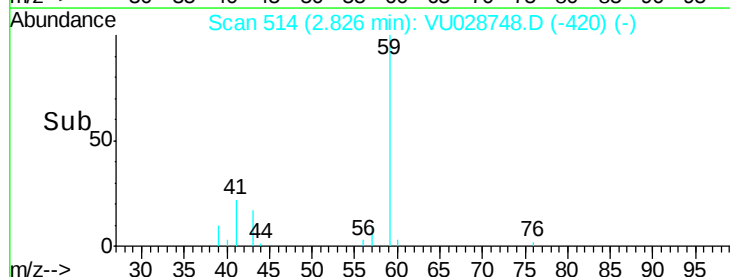
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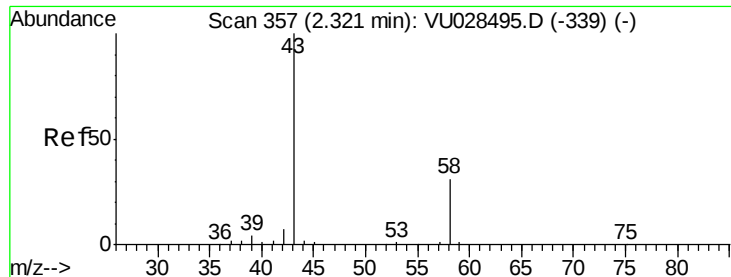
1000

0

2.75 2.80 2.85 2.90

Time-->





#16

Acetone

Concen: 21.948 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028748.D

Acq: 18 Dec 2018 03:11

Instrument :

MSVOA_U

ClientSampleId :

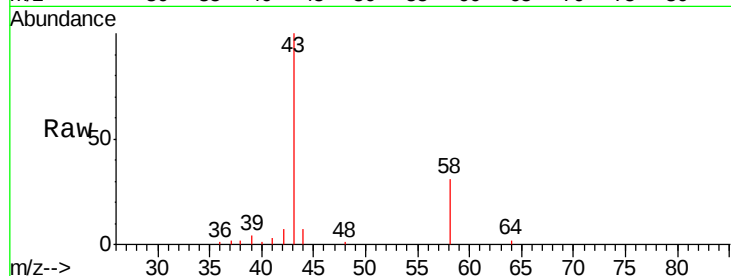
EP1-MW-I-1218

Tgt Ion: 43 Resp: 17666

Ion Ratio Lower Upper

43 100

58 30.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

12000

10000

8000

6000

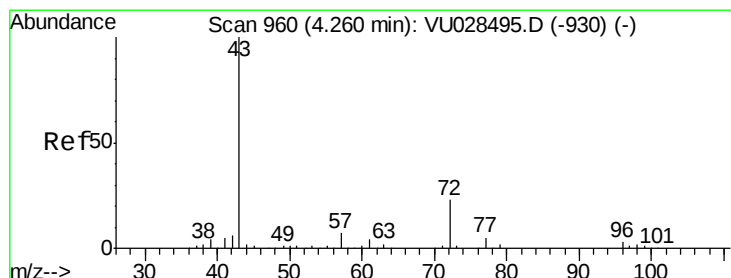
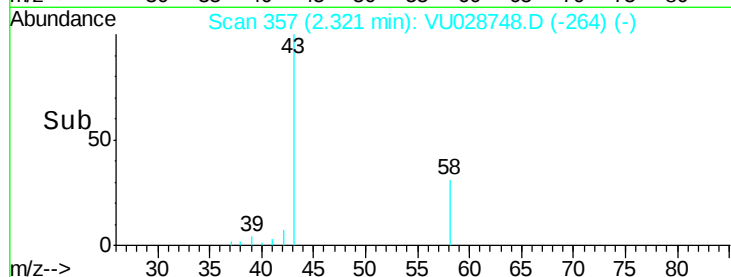
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#25

2-Butanone

Concen: 10.635 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.01 min

Lab File: VU028748.D

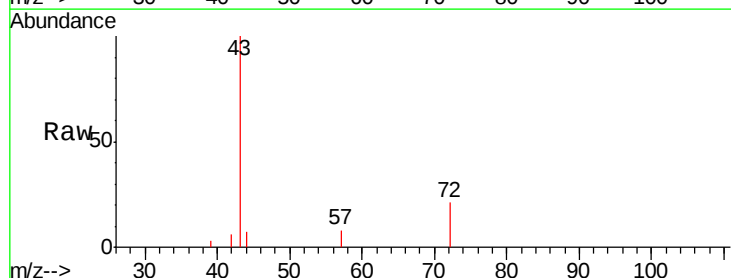
Acq: 18 Dec 2018 03:11

Tgt Ion: 43 Resp: 11699

Ion Ratio Lower Upper

43 100

72 21.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

5000

4000

3000

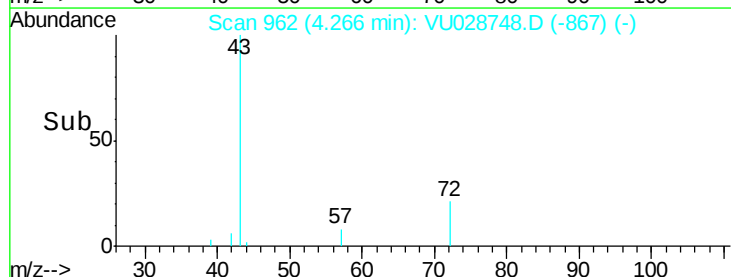
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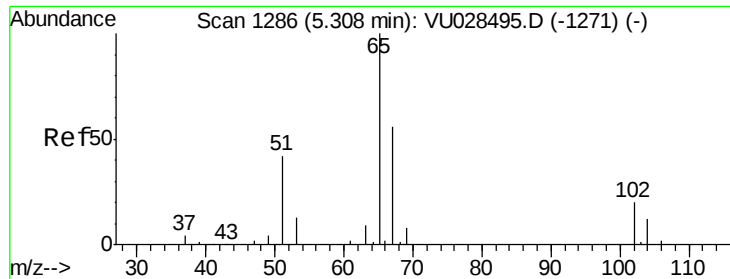
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0

Time-->

4.20 4.25 4.30 4.35

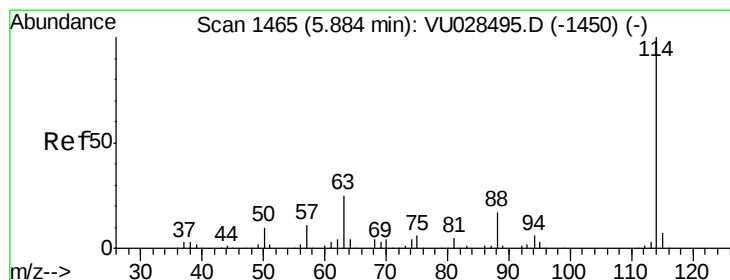
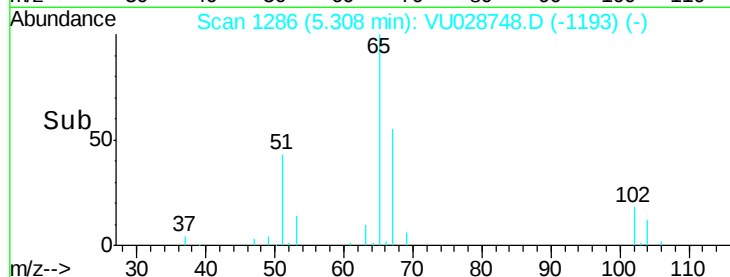
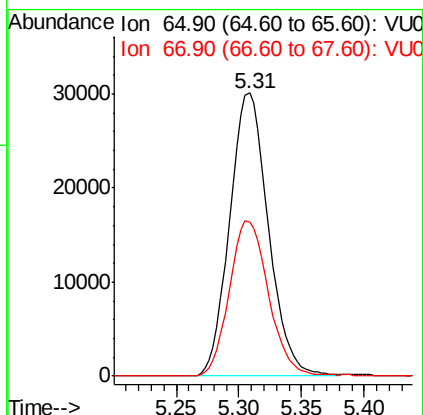
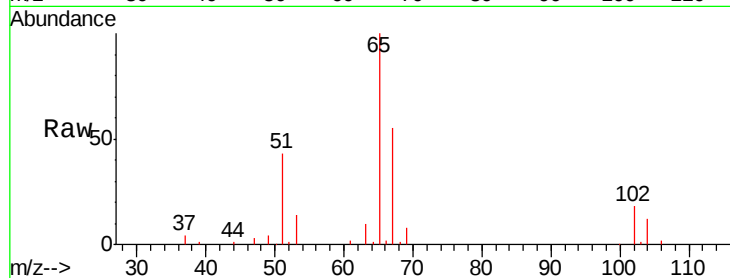




#33
 1,2-Dichloroethane-d4
 Concen: 52.337 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028748.D
 Acq: 18 Dec 2018 03:11

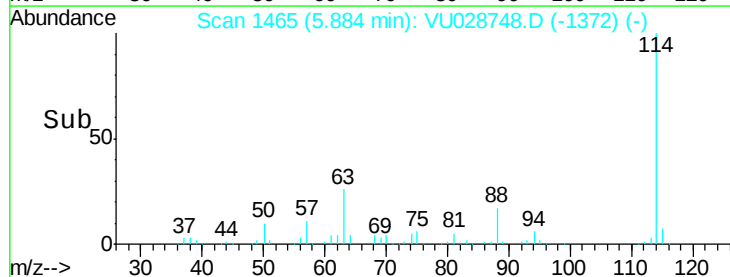
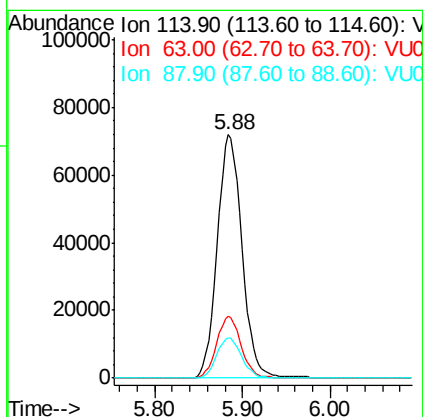
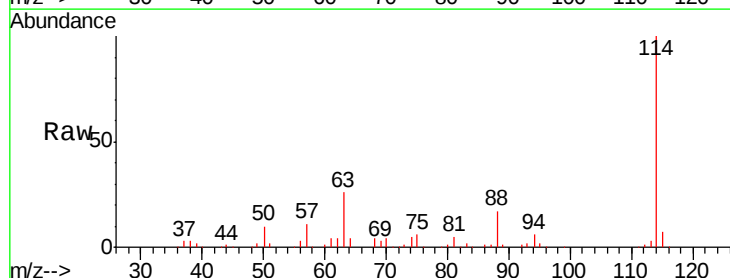
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-I-1218

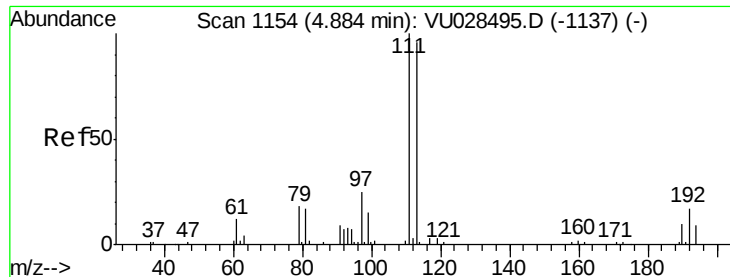
Tgt Ion: 65 Resp: 64558
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028748.D
 Acq: 18 Dec 2018 03:11

Tgt Ion: 114 Resp: 141411
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 49.2
 88 16.6 0.0 33.4

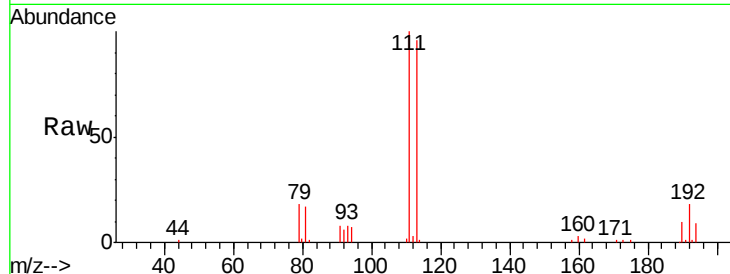




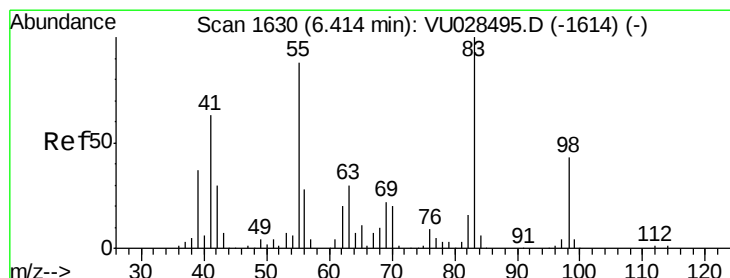
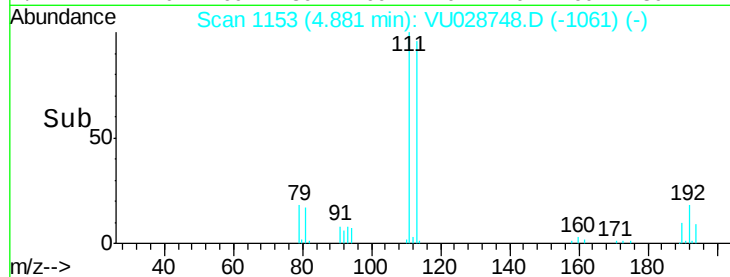
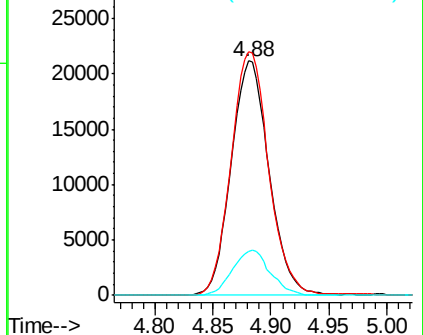
#35
Dibromofluoromethane
Concen: 53.944 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

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

Tgt Ion: 113 Resp: 48005
Ion Ratio Lower Upper
113 100
111 103.0 83.4 125.0
192 19.0 14.8 22.2

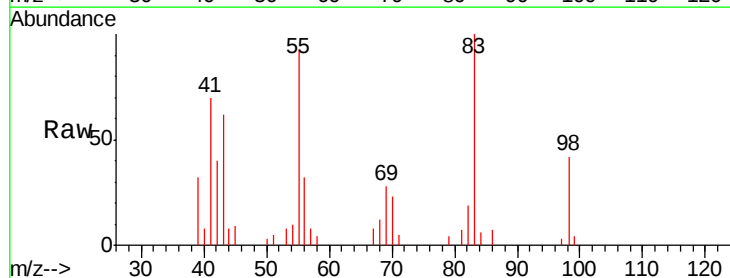


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

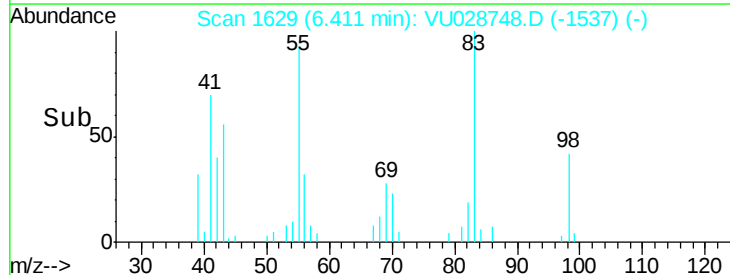
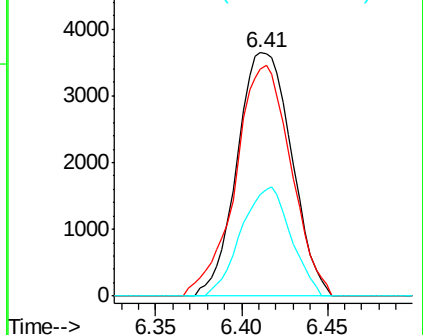


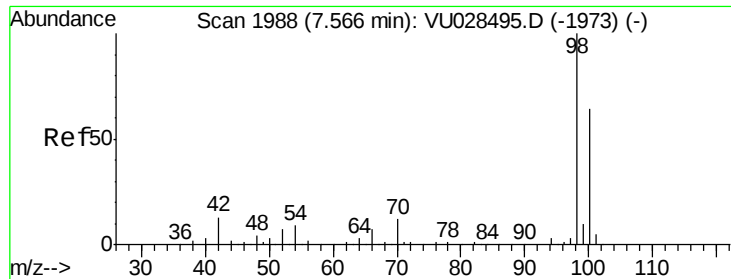
#39
Methylcyclohexane
Concen: 4.241 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

Tgt Ion: 83 Resp: 8007
Ion Ratio Lower Upper
83 100
55 93.0 70.2 105.2
98 41.8 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

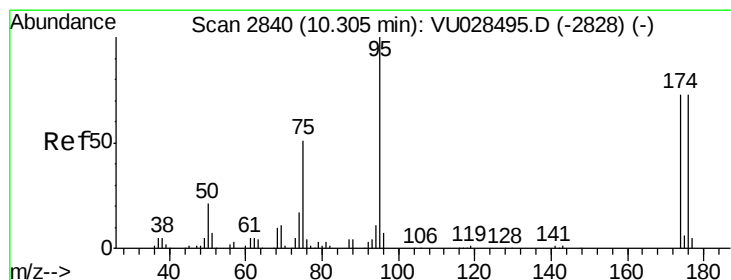
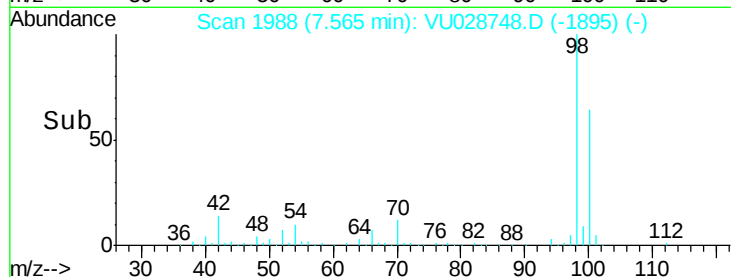
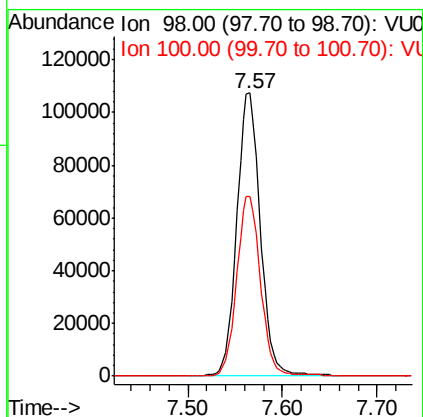
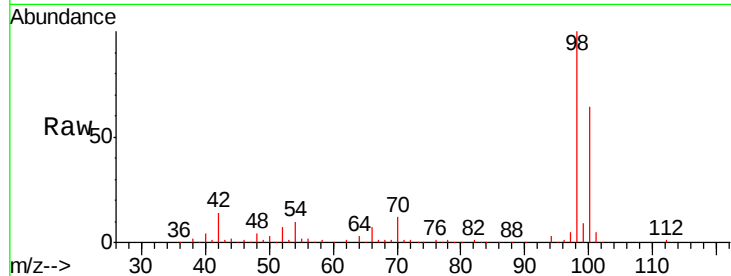




#50
Toluene-d8
Concen: 52.848 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

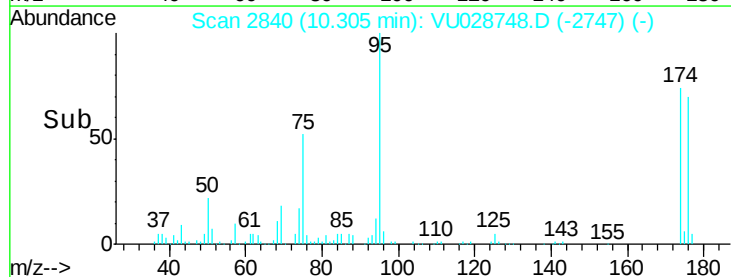
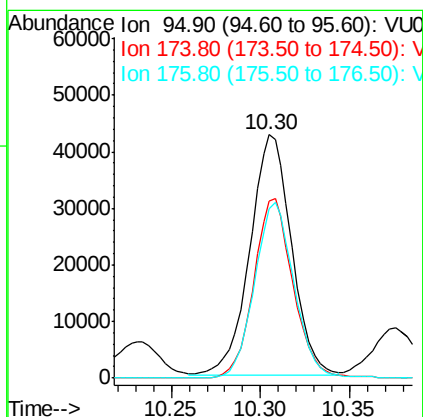
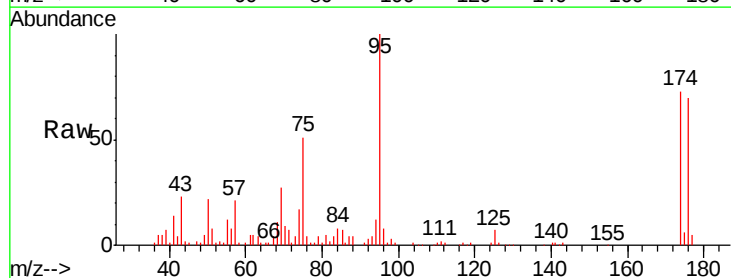
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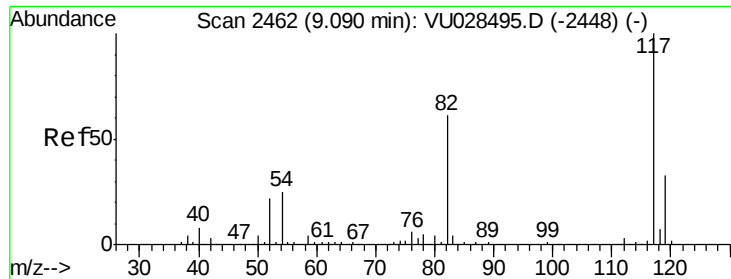
Tgt Ion: 98 Resp: 186043
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 52.702 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

Tgt Ion: 95 Resp: 69343
Ion Ratio Lower Upper
95 100
174 70.5 0.0 150.4
176 69.5 0.0 145.2

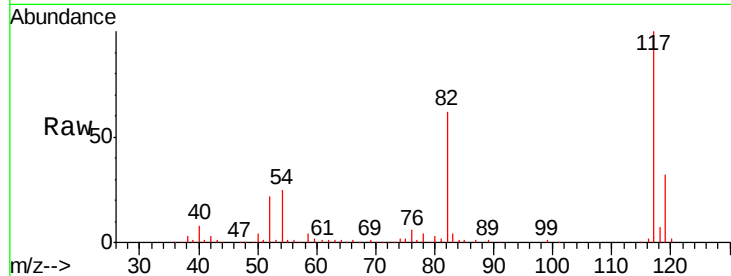




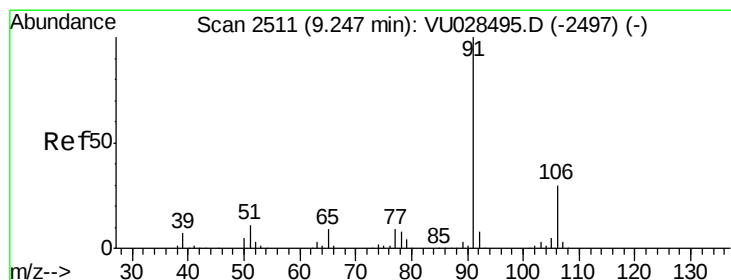
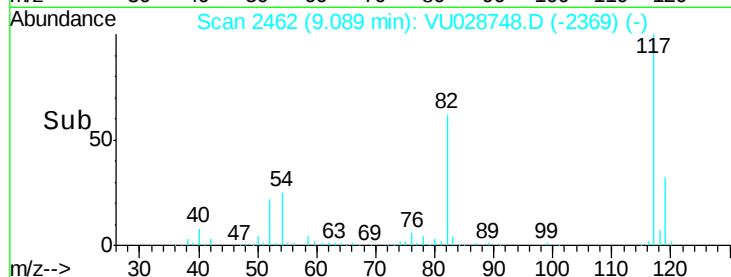
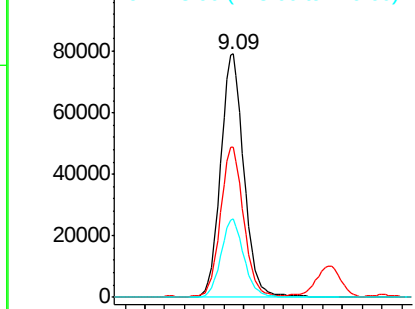
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

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

Tgt Ion: 117 Resp: 131164
Ion Ratio Lower Upper
117 100
82 61.2 48.9 73.3
119 32.2 26.2 39.4

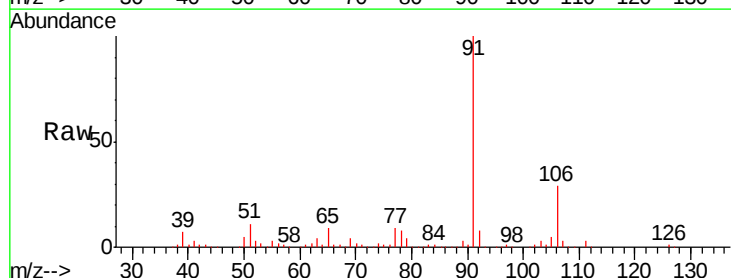


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

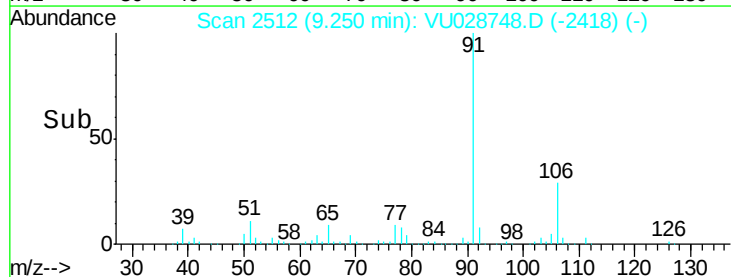
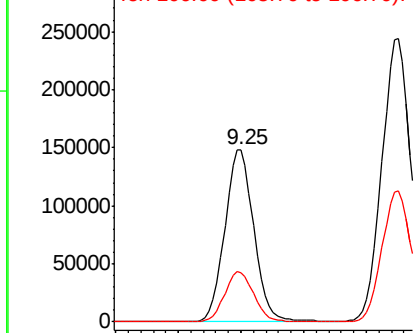


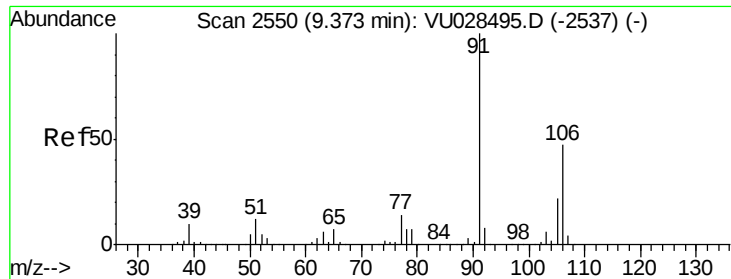
#67
Ethyl Benzene
Concen: 46.675 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

Tgt Ion: 91 Resp: 239817
Ion Ratio Lower Upper
91 100
106 28.8 24.1 36.1



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

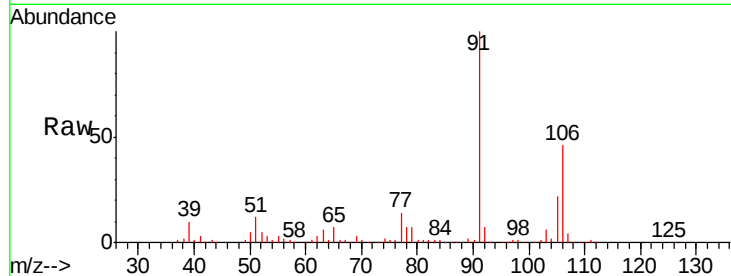




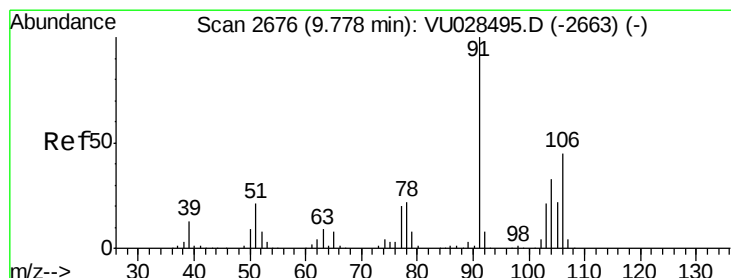
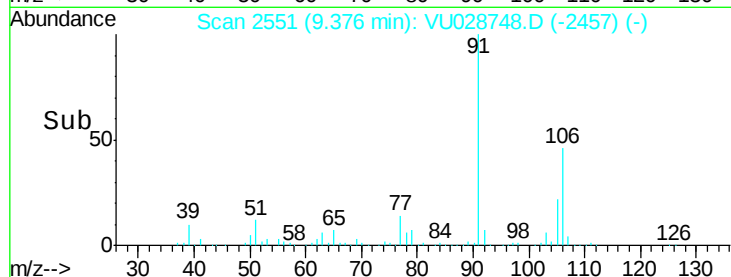
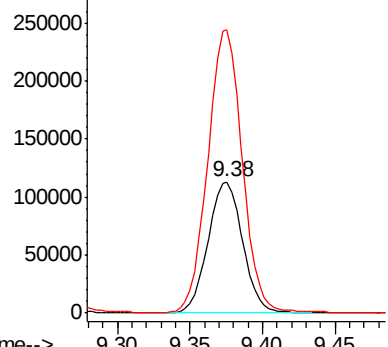
#68
m/p-Xylenes
Concen: 100.144 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

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

Tgt Ion:106 Resp: 187229
Ion Ratio Lower Upper
106 100
91 216.5 167.4 251.0

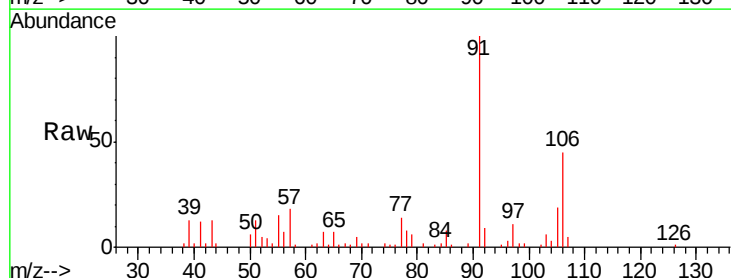


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

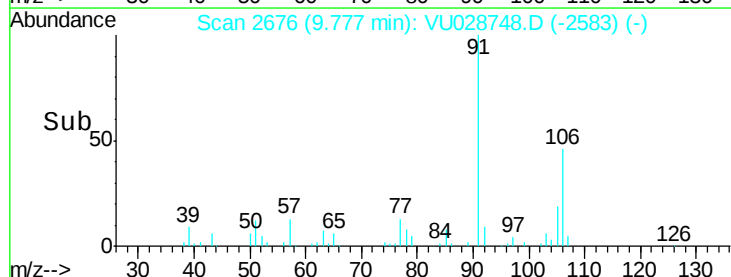
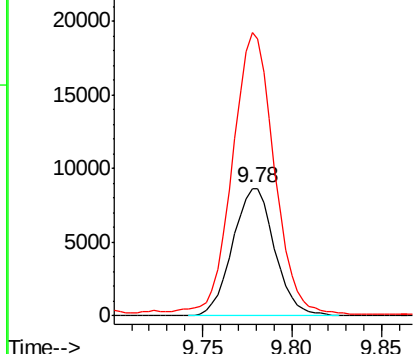


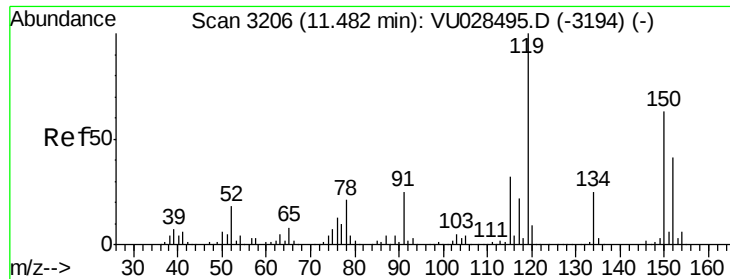
#69
o-Xylene
Concen: 7.840 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

Tgt Ion:106 Resp: 14244
Ion Ratio Lower Upper
106 100
91 217.9 111.3 334.0



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



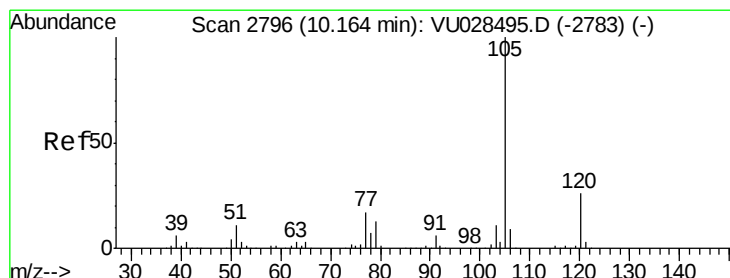
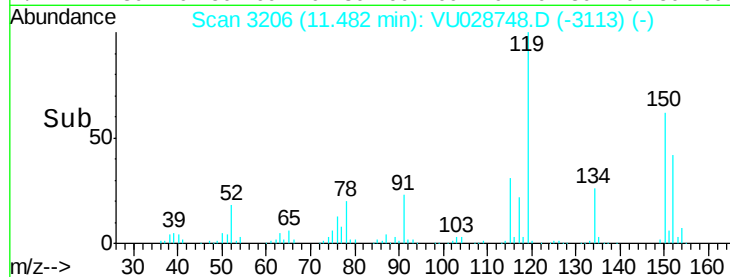
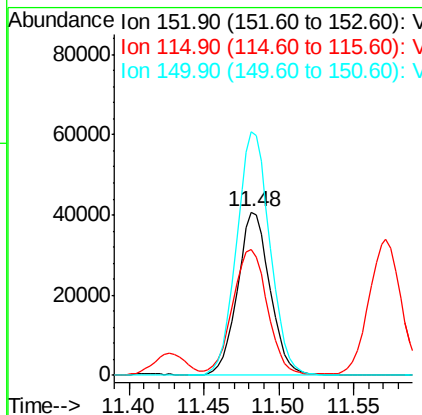
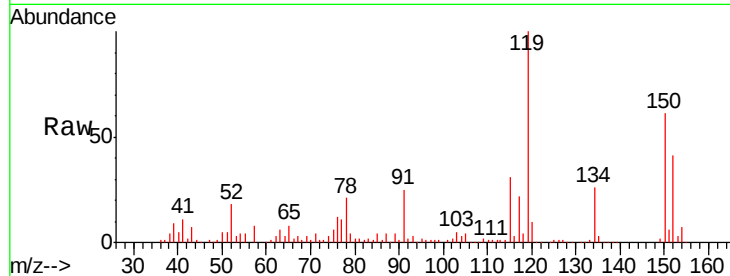


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

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

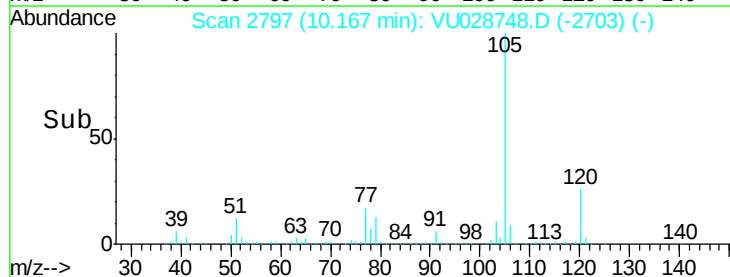
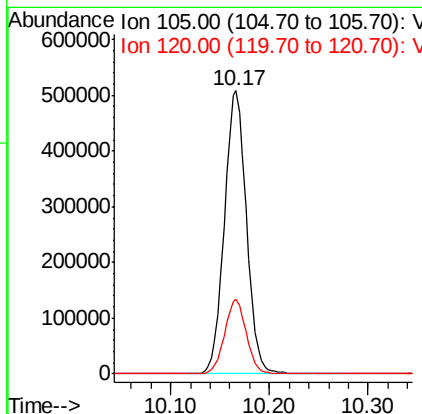
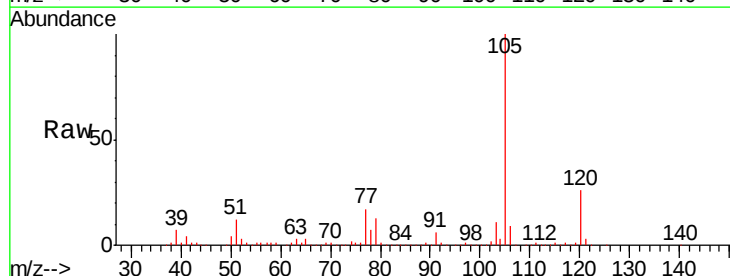
Tgt Ion:152 Resp: 61484
Ion Ratio Lower Upper
152 100
115 82.0 42.7 128.1
150 153.1 0.0 346.0

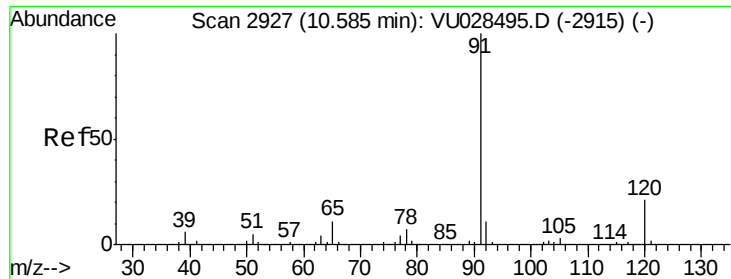


#73

Isopropylbenzene
Concen: 169.662 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

Tgt Ion:105 Resp: 800447
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.6

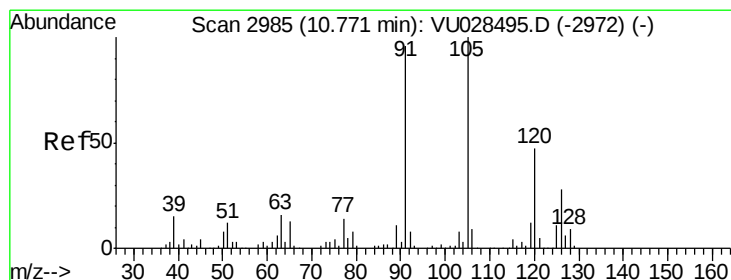
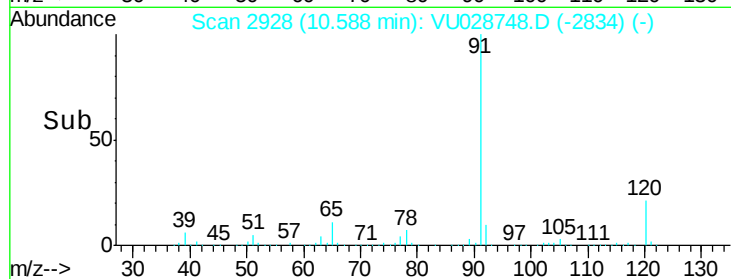
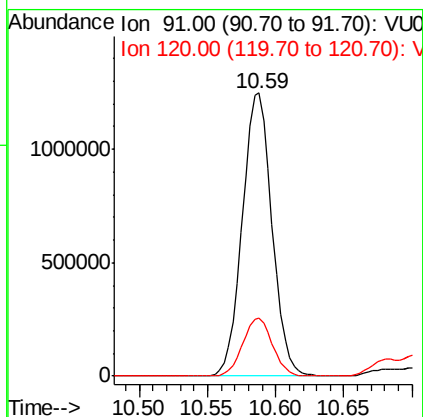
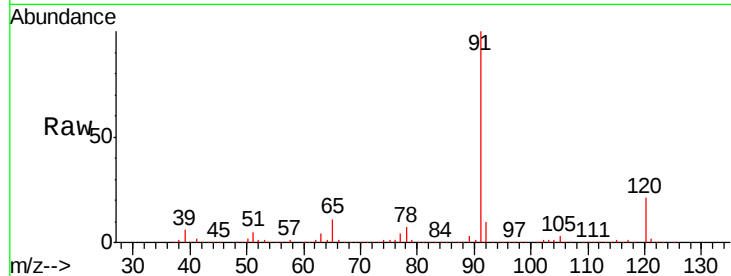




#78
n-propylbenzene
Concen: 321.023 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

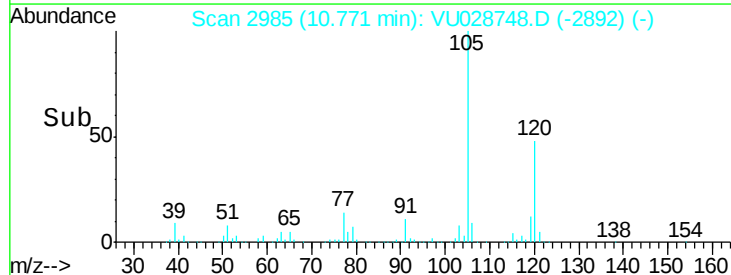
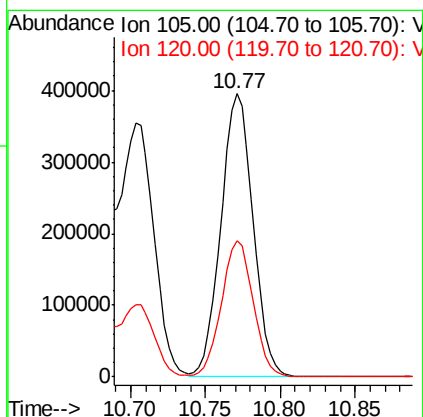
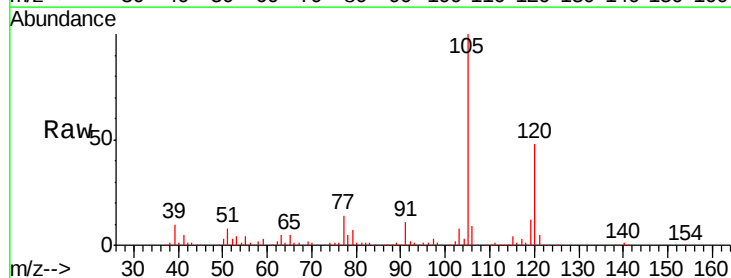
Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-I-1218

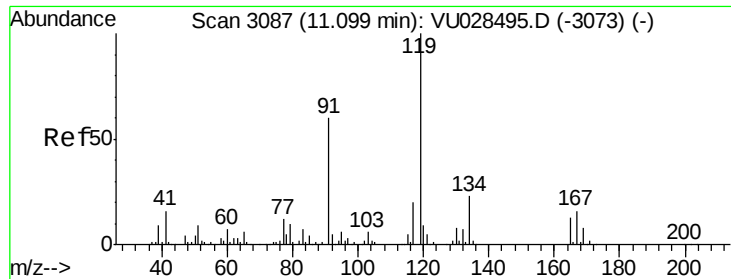
Tgt Ion: 91 Resp: 1881971
Ion Ratio Lower Upper
91 100
120 20.6 10.6 31.8



#80
1,3,5-Trimethylbenzene
Concen: 151.092 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

Tgt Ion: 105 Resp: 590064
Ion Ratio Lower Upper
105 100
120 47.7 23.7 71.1

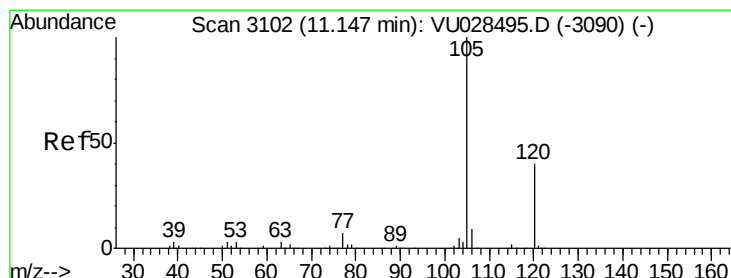
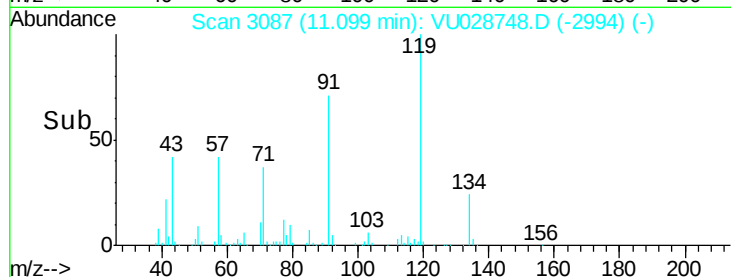
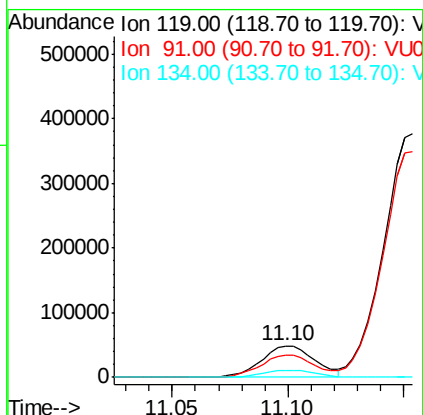
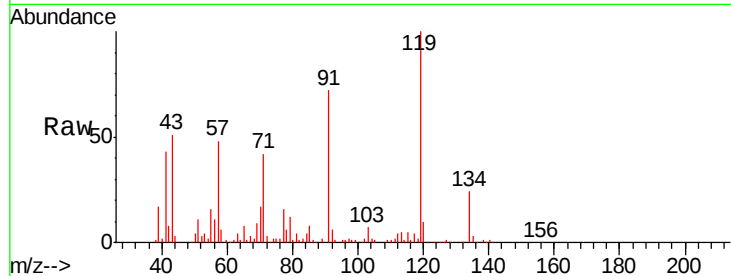




#83
 tert-Butylbenzene
 Concen: 20.535 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028748.D
 Acq: 18 Dec 2018 03:11

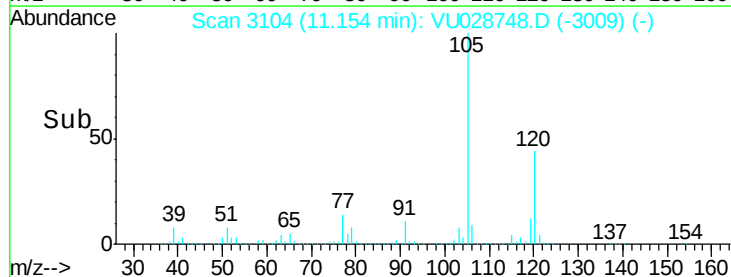
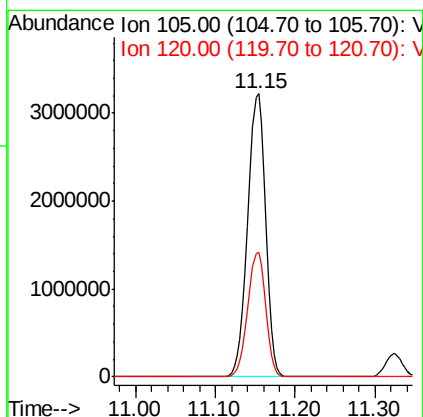
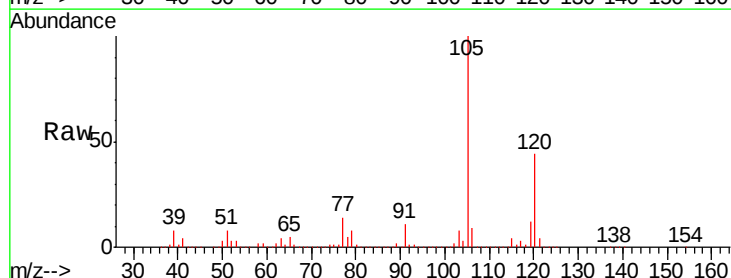
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-I-1218

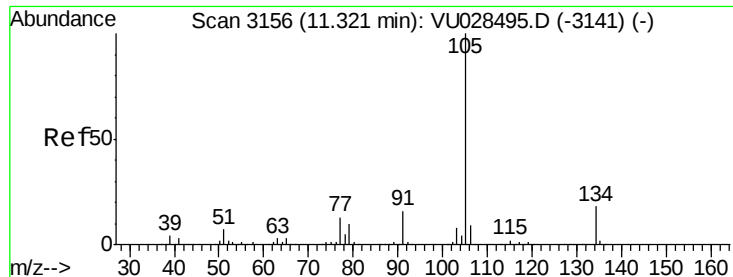
Tgt Ion:119 Resp: 77299
 Ion Ratio Lower Upper
 119 100
 91 70.4 30.3 91.0
 134 23.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 1188.346 ug/l
 RT: 11.15 min Scan# 3104
 Delta R.T. 0.01 min
 Lab File: VU028748.D
 Acq: 18 Dec 2018 03:11

Tgt Ion:105 Resp: 4782808
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.8 65.4

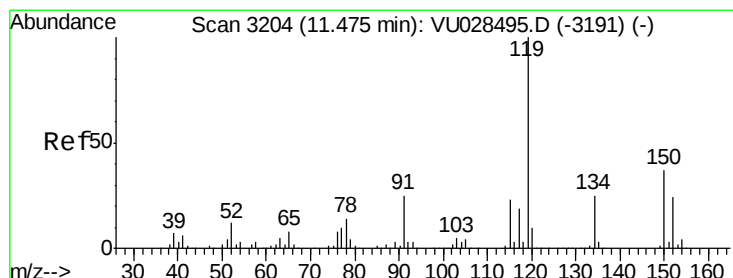
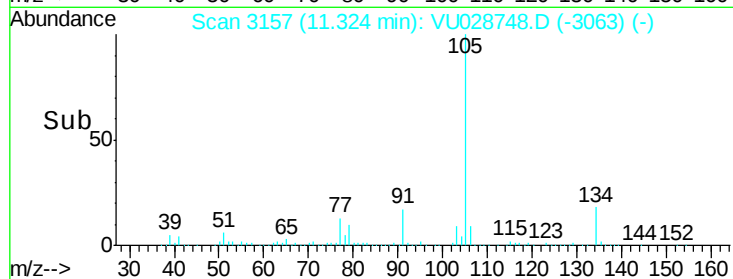
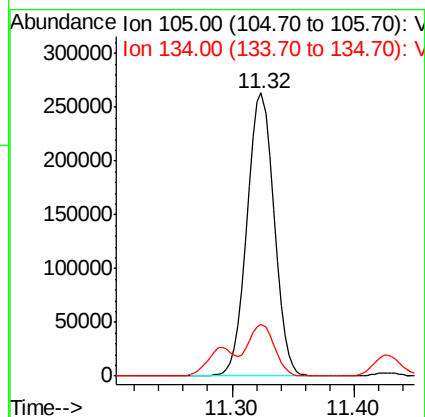
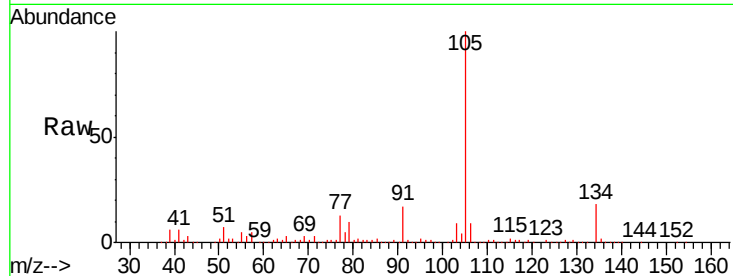




#85
 sec-Butylbenzene
 Concen: 82.779 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028748.D
 Acq: 18 Dec 2018 03:11

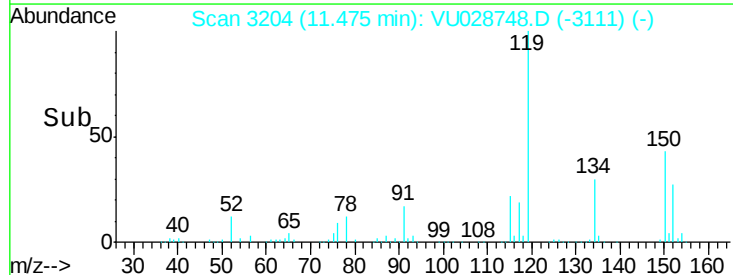
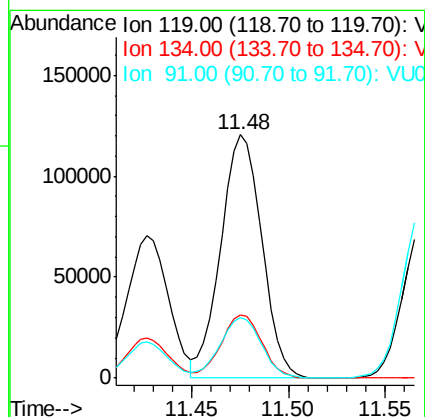
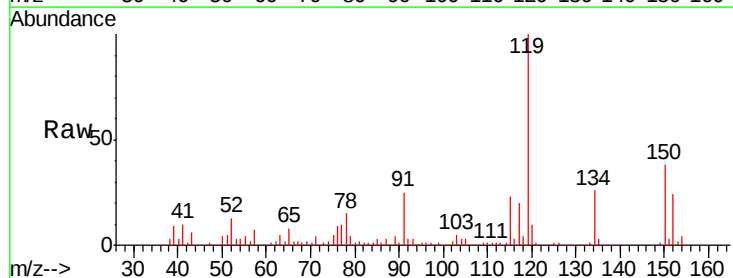
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-I-1218

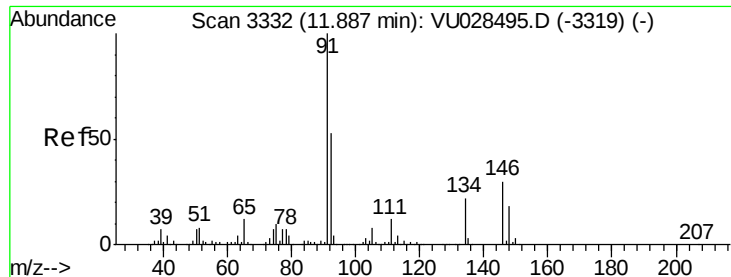
Tgt Ion:105 Resp: 400301
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 43.324 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028748.D
 Acq: 18 Dec 2018 03:11

Tgt Ion:119 Resp: 177969
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.7 38.1
 91 24.6 12.6 37.6

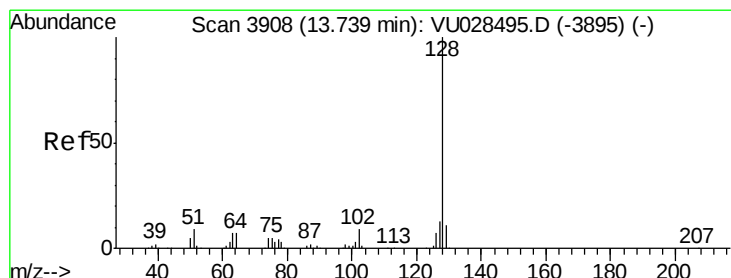
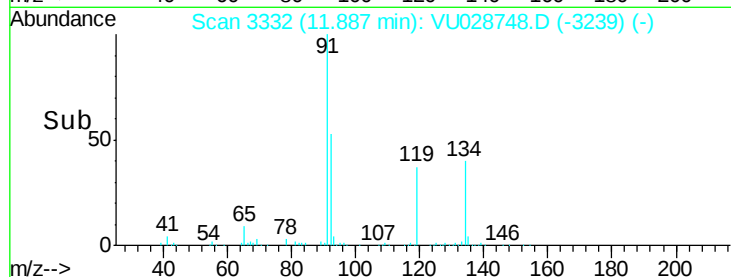
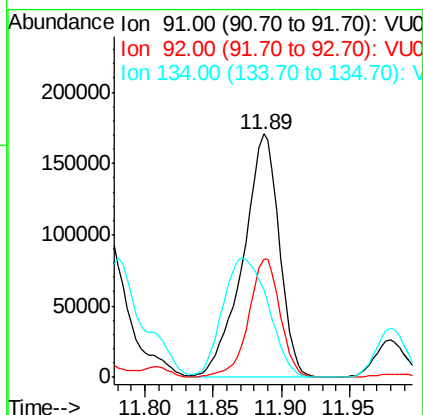
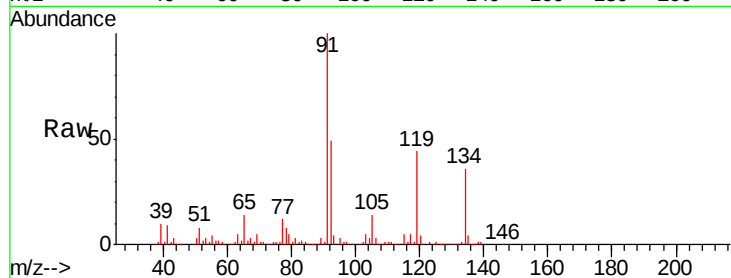




#89
n-Butylbenzene
Concen: 75.511 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

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

Tgt Ion: 91 Resp: 313920
Ion Ratio Lower Upper
91 100
92 42.4 26.3 78.9
134 61.9 11.3 33.8#



#95
Naphthalene
Concen: 26.529 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028748.D
Acq: 18 Dec 2018 03:11

Tgt Ion: 128 Resp: 132672
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 11.5 8.6 13.0

