

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
 Data File : VU027544.D
 Acq On : 10 Oct 2018 00:15
 Operator : MD/SY
 Sample : J5165-25
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-D

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 9:01:37 AM

Quant Time: Oct 11 05:16:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	144178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	243406	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	217589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	97311	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	109933	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
35) Dibromofluoromethane	4.88	113	79024	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	7.57	98	311272	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	10.31	95	112842	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	5567	10.981	ug/l	94
16) Acetone	2.32	43	627016	440.856	ug/l	99
17) Carbon Disulfide	2.48	76	12184	2.218	ug/l	100
25) 2-Butanone	4.27	43	82507	42.541	ug/l	98
29) Tetrahydrofuran	4.66	42	4572	3.741	ug/l	99
30) Chloroform	4.67	83	10539	3.139	ug/l	98
39) Methylcyclohexane	6.42	83	7012	2.270	ug/l	93
51) 4-Methyl-2-Pentanone	7.47	43	3481	1.010	ug/l	100
67) Ethyl Benzene	9.25	91	18732	2.308	ug/l	98
68) m/p-Xylenes	9.38	106	82328	27.737	ug/l	100
69) o-Xylene	9.78	106	3074	1.090	ug/l	93
73) Isopropylbenzene	10.17	105	92724	13.120	ug/l	98
78) n-propylbenzene	10.59	91	118353	13.936	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	421658	73.280	ug/l	100
83) tert-Butylbenzene	11.10	119	89169	16.030	ug/l	89
84) 1,2,4-Trimethylbenzene	11.16	105	9455183	1608.644	ug/l	98
85) sec-Butylbenzene	11.32	105	99137m	14.145	ug/l	
86) p-Isopropyltoluene	11.48	119	215768	35.955	ug/l	100
95) Naphthalene	13.74	128	7786	2.683	ug/l #	62

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

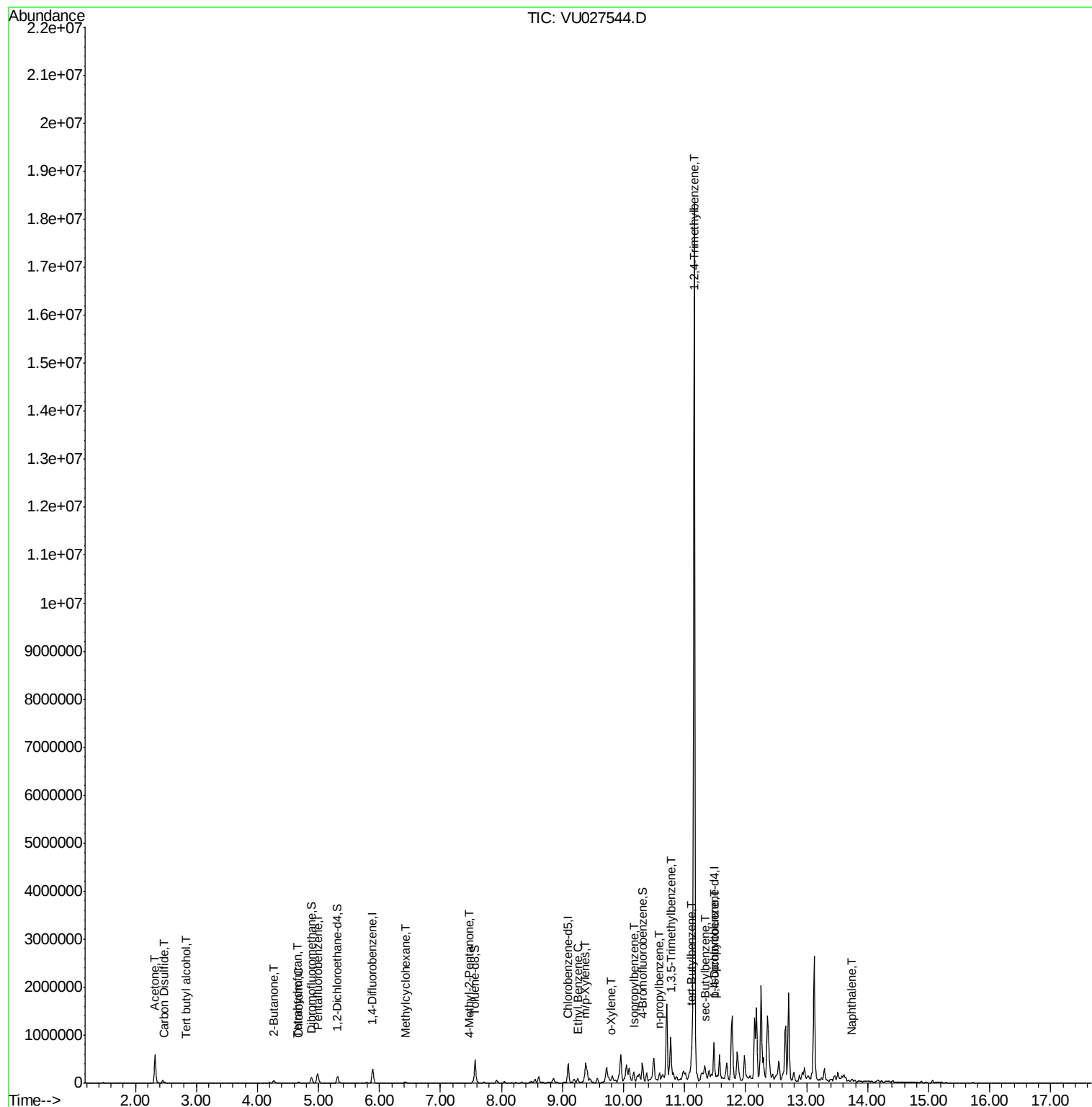
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101018\
Data File : VU027544.D
Acq On : 10 Oct 2018 00:15
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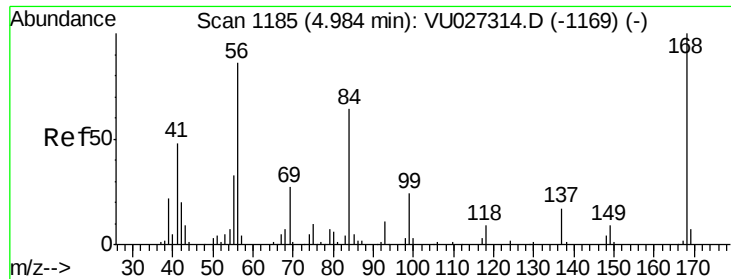
Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D

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Quant Time: Oct 11 05:16:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027544.D

Acq: 10 Oct 2018 00:15

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-D

Tot Ion:168 Resp: 144178

Ion Ratio Lower Upper

168 100

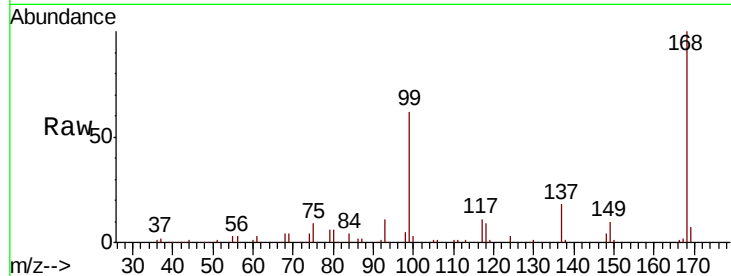
99 61.5 50.8 76.2

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Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

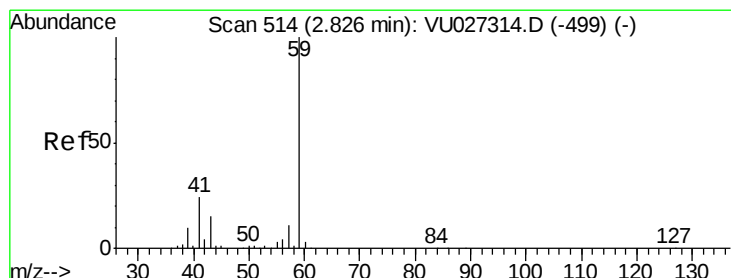
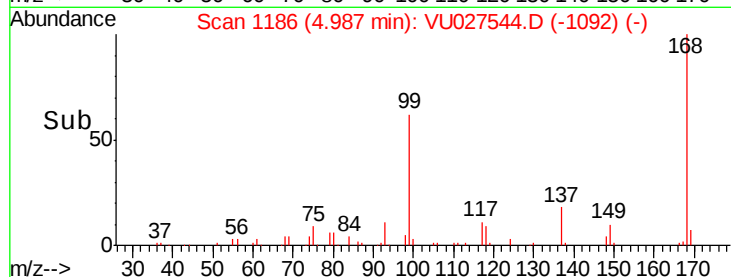
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 10.981 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU027544.D

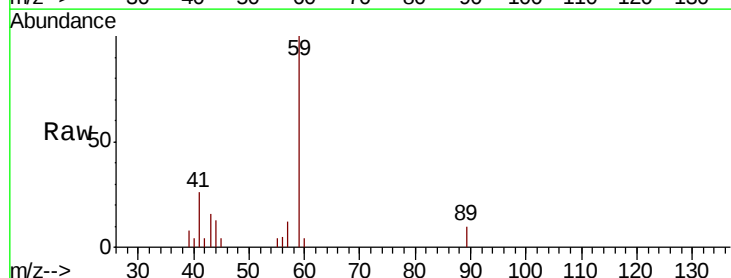
Acq: 10 Oct 2018 00:15

Tgt Ion: 59 Resp: 5567

Ion Ratio Lower Upper

59 100

57 8.4 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.83

2500

2000

1500

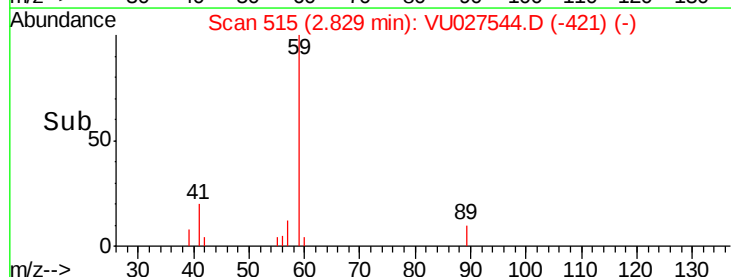
1000

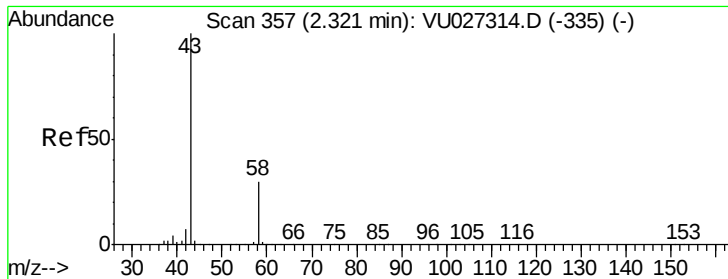
500

0

2.75 2.80 2.85 2.90

Time-->





#16

Acetone

Concen: 440.856 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027544.D

Acq: 10 Oct 2018 00:15

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-D

Tot Ion: 43 Resp: 627016

Ion Ratio Lower Upper

43 100

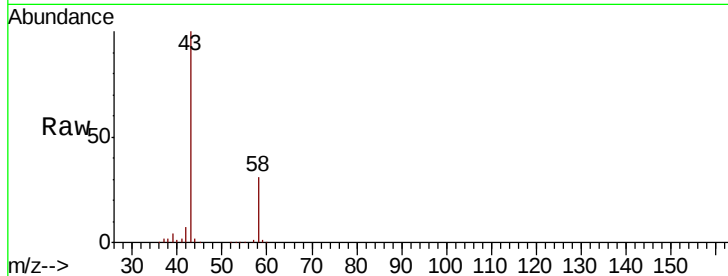
58 31.1 24.2 36.4

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Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-335) (-)

2.32

400000

300000

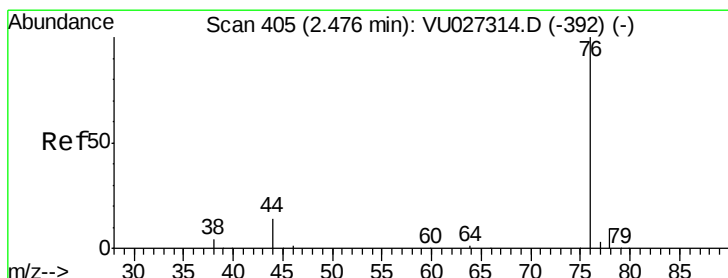
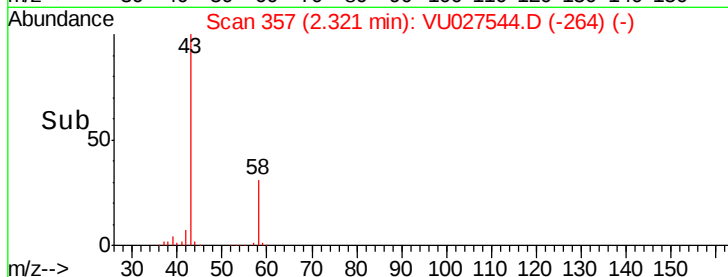
200000

100000

0

2.30 2.40

Time-->



#17

Carbon Disulfide

Concen: 2.218 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027544.D

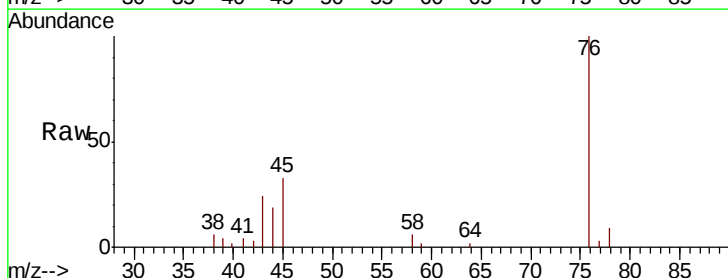
Acq: 10 Oct 2018 00:15

Tgt Ion: 76 Resp: 12184

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VU027314.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU027314.D (-392) (-)

2.48

8000

6000

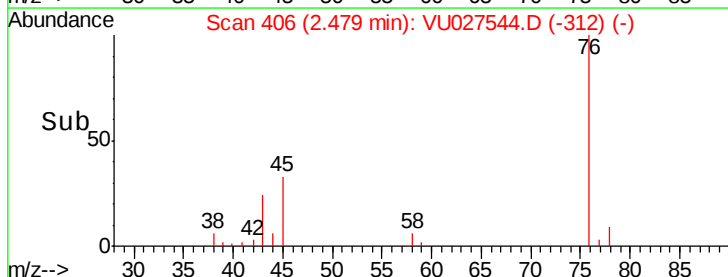
4000

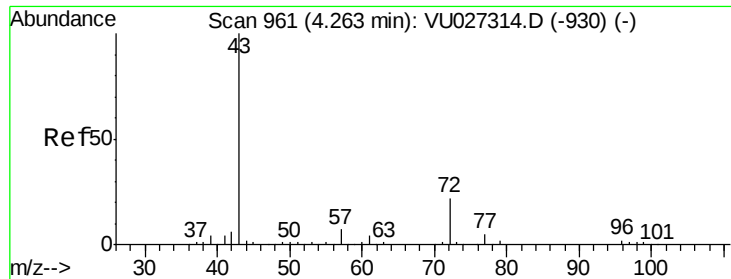
2000

0

2.45 2.50 2.55

Time-->





#25

2-Butanone

Concen: 42.541 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027544.D

Acq: 10 Oct 2018 00:15

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-D

Tot Ion: 43 Resp: 82507

Ion Ratio Lower Upper

43 100

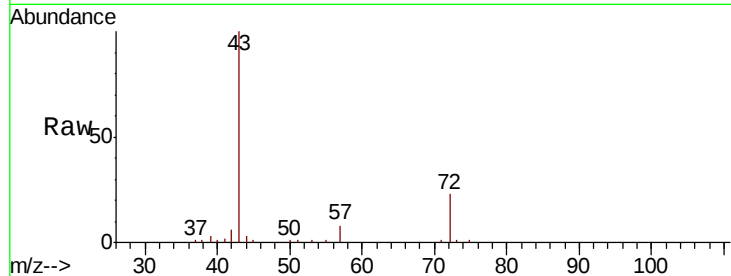
72 23.0 17.8 26.6

Manual Integrations

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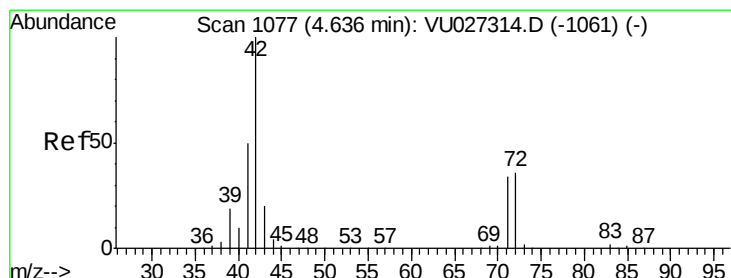
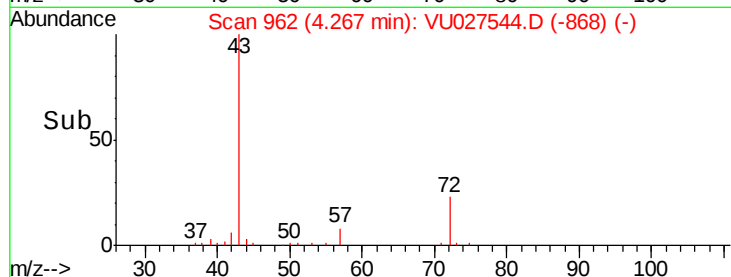
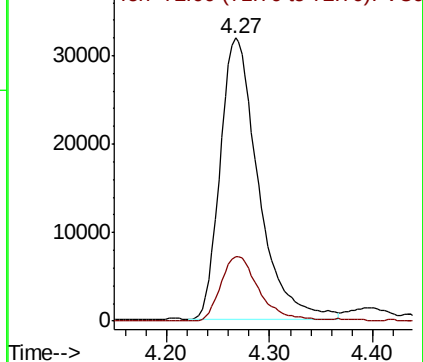
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#29

Tetrahydrofuran

Concen: 3.741 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VU027544.D

Acq: 10 Oct 2018 00:15

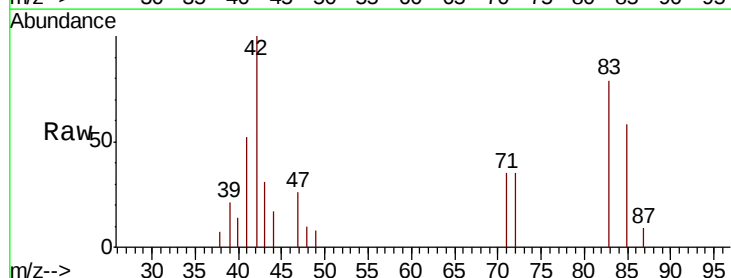
Tgt Ion: 42 Resp: 4572

Ion Ratio Lower Upper

42 100

72 38.3 30.1 45.1

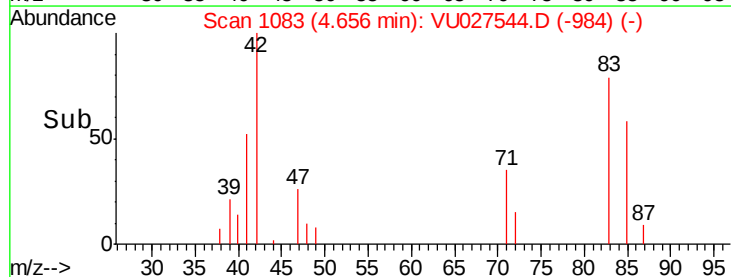
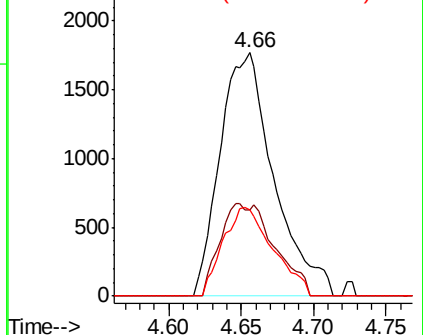
71 33.7 27.7 41.5

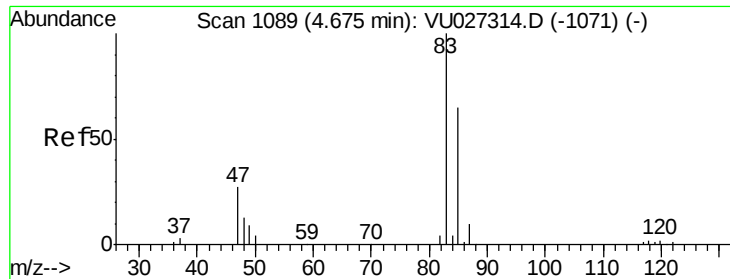


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0





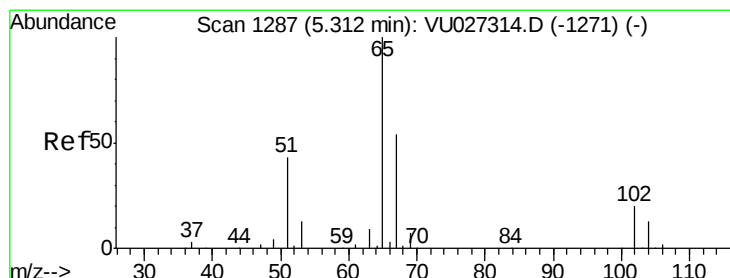
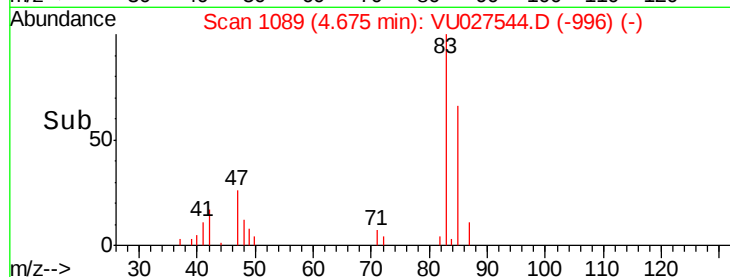
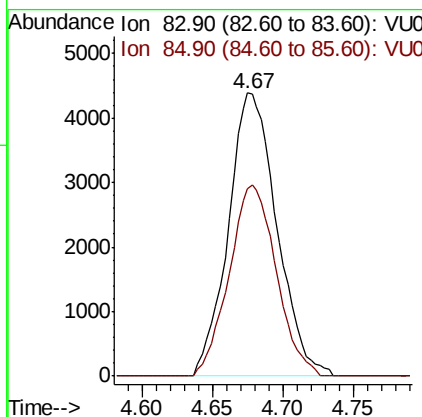
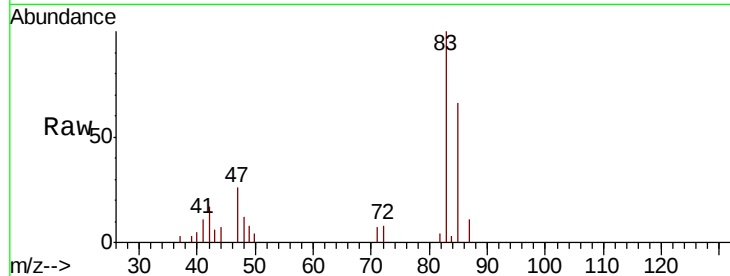
#30
Chloroform
Concen: 3.139 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D

Tot Ion: 83 Resp: 10539
Ion Ratio Lower Upper
83 100
85 66.4 51.8 77.6

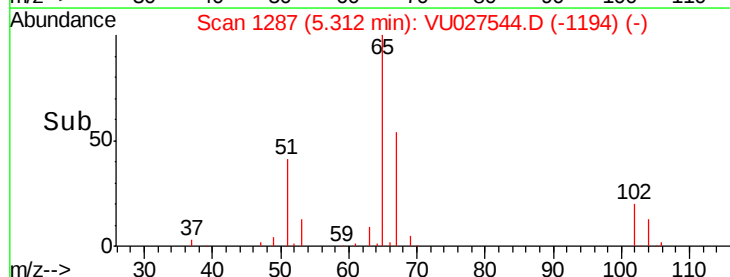
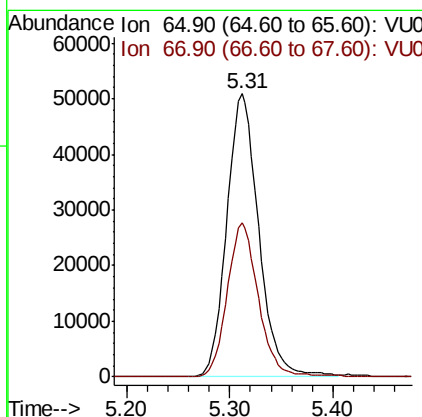
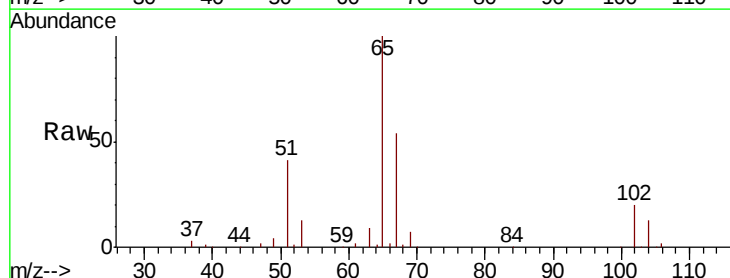
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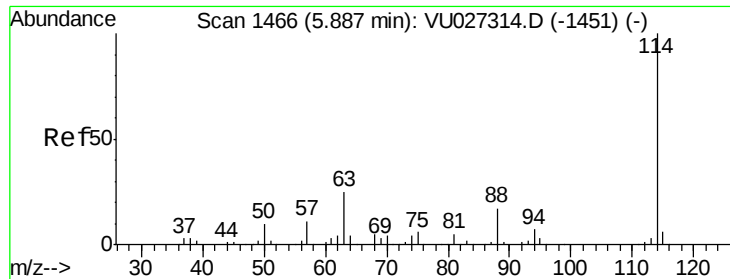
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#33
1,2-Dichloroethane-d4
Concen: 45.662 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Tgt Ion: 65 Resp: 109933
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.8





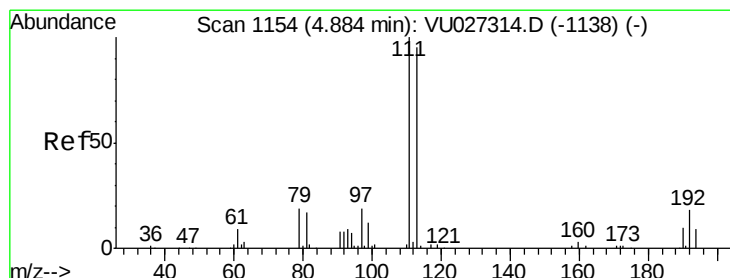
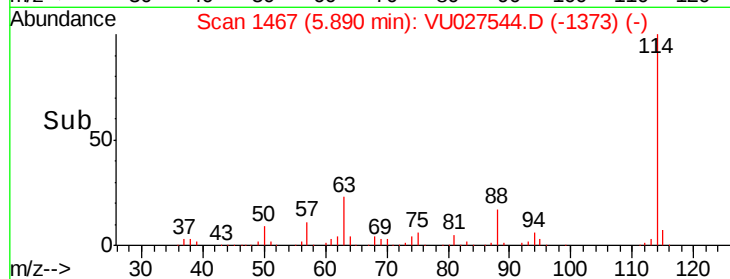
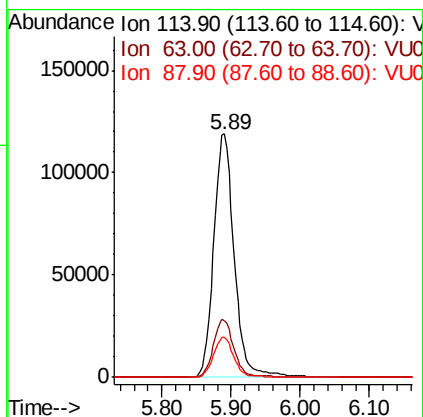
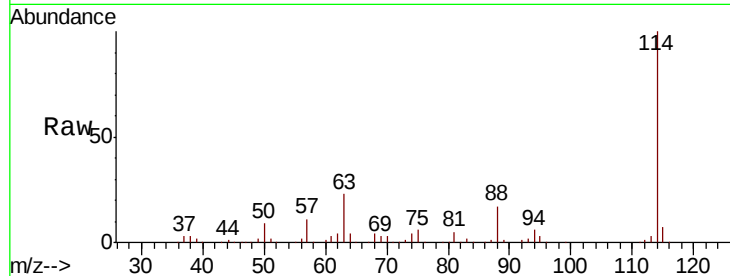
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D

Tot Ion	Ratio	Resp	Lower	Upper
114	100	243406		
63	23.5	0.0	50.2	
88	16.5	0.0	33.8	

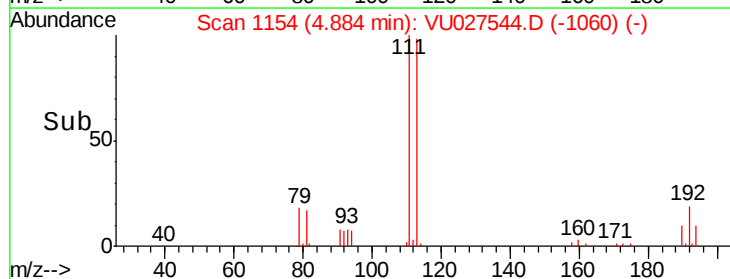
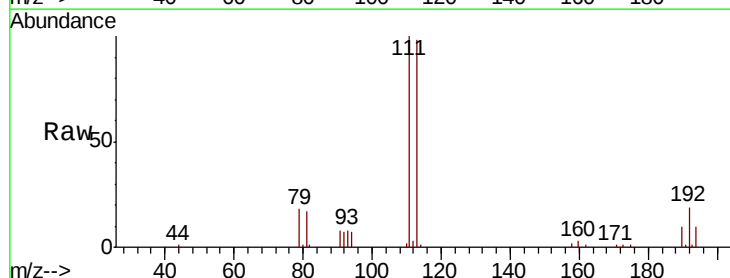
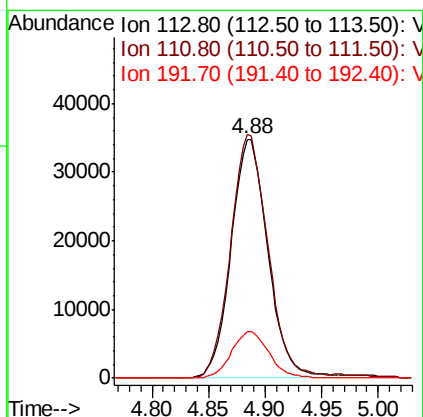
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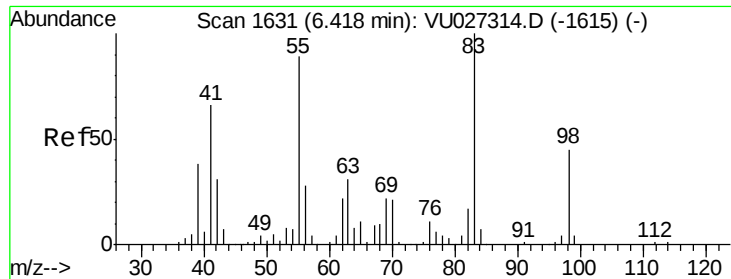
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#35
Dibromofluoromethane
Concen: 47.373 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	79024		
111	103.1	83.1	124.7	
192	19.9	15.4	23.0	





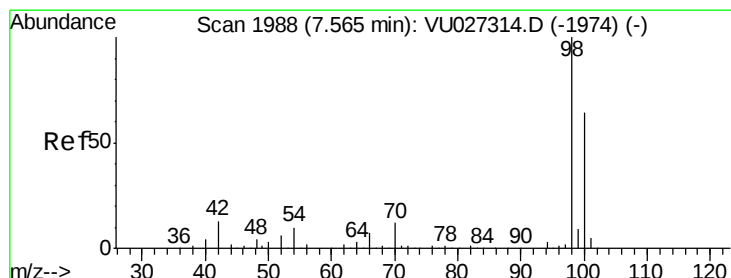
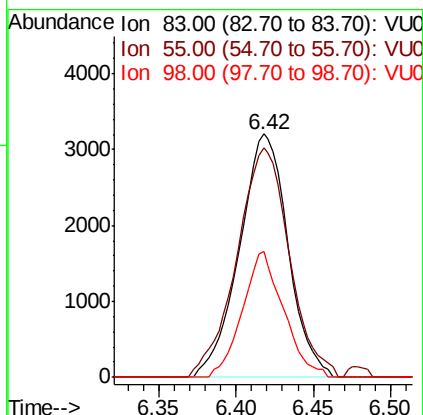
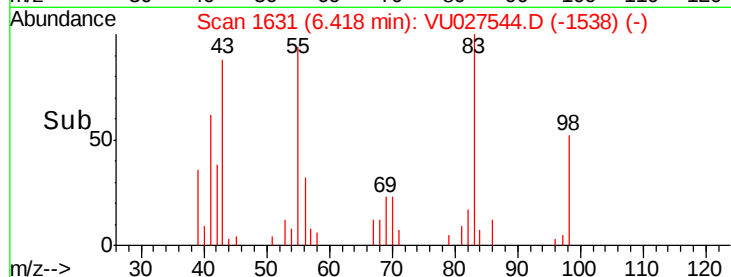
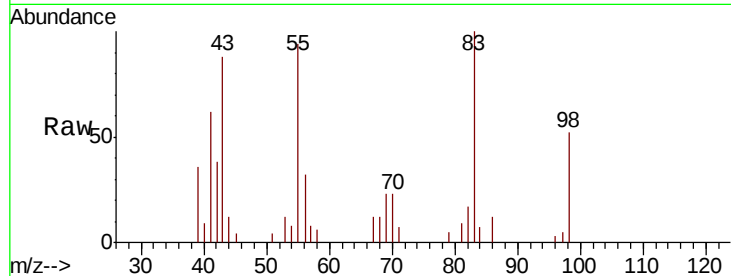
#39
Methylcyclohexane
Concen: 2.270 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.1	71.1	106.7
98	51.6	36.3	54.5

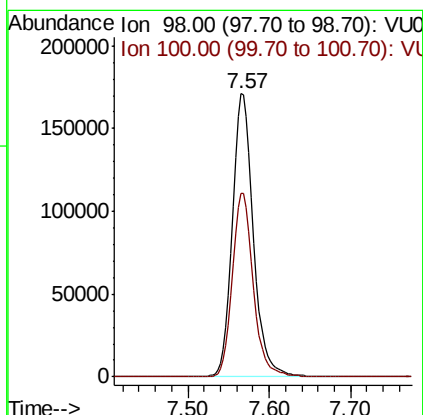
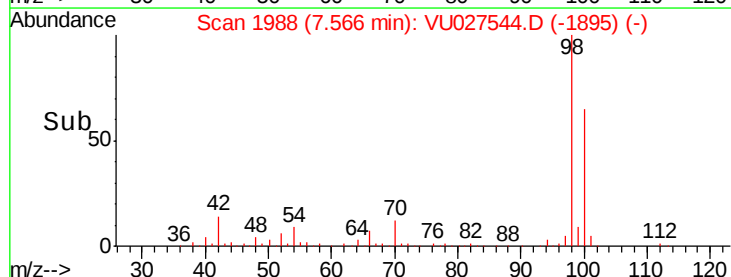
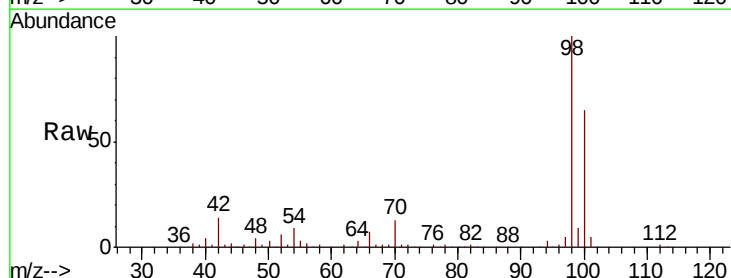
Manual Integrations
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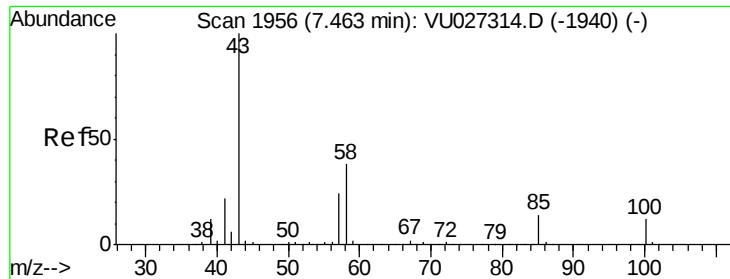
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10/11/2018 9:01:37 AM



#50
Toluene-d8
Concen: 49.857 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1





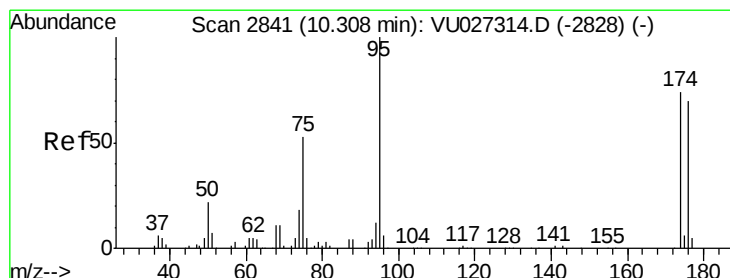
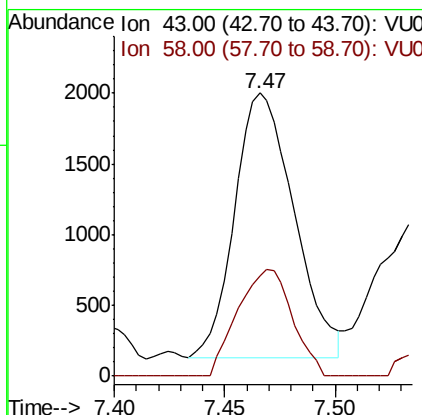
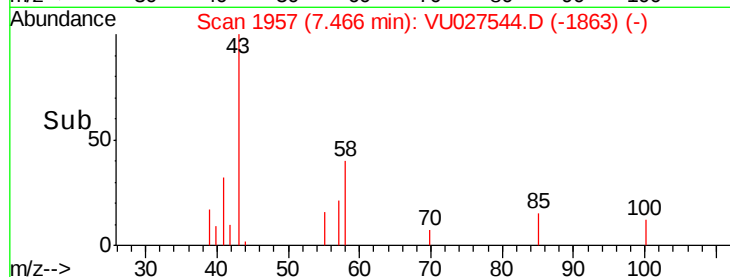
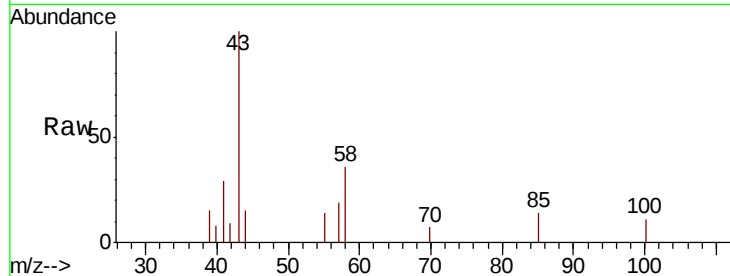
#51
4-Methyl-2-Pentanone
Concen: 1.010 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Instrument :
MSVOA_U
ClientSampled :
EP1-MW-D

Tot Ion: 43 Resp: 3481
Ion Ratio Lower Upper
43 100
58 37.2 29.8 44.8

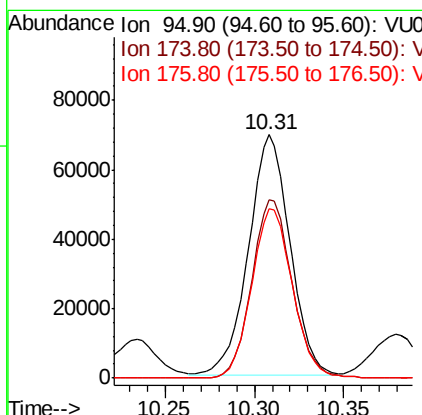
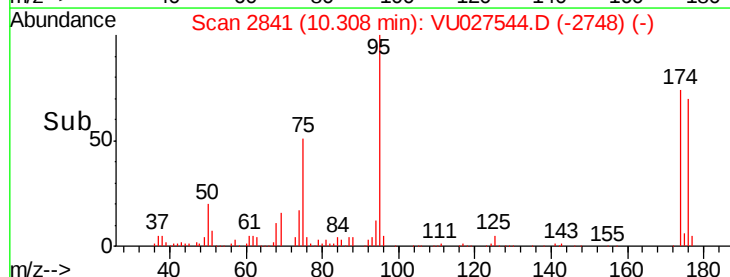
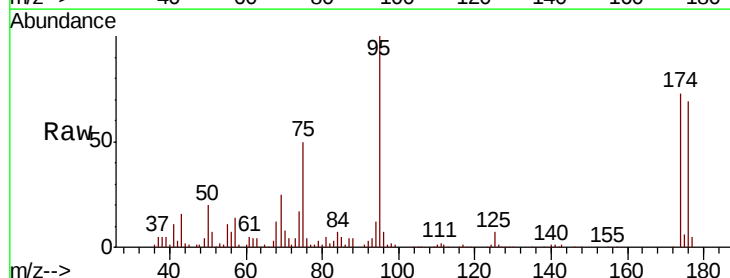
Manual Integrations
APPROVED

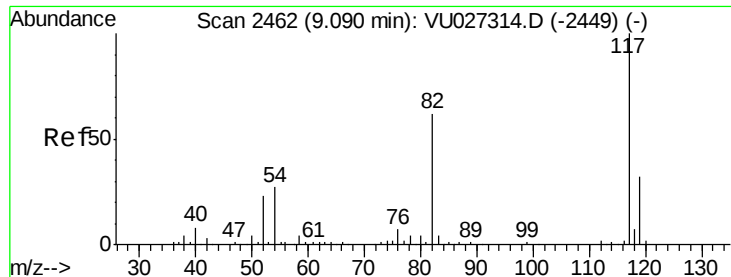
MMDadoda
10/11/2018 9:01:37 AM



#62
4-Bromofluorobenzene
Concen: 48.633 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Tgt Ion: 95 Resp: 112842
Ion Ratio Lower Upper
95 100
174 72.4 0.0 147.8
176 69.4 0.0 140.8





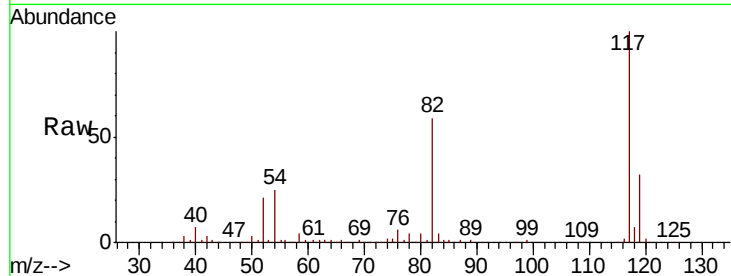
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D

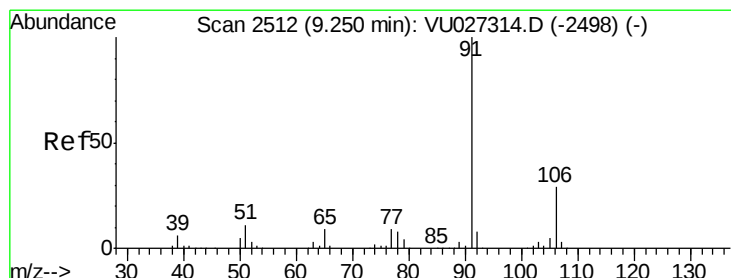
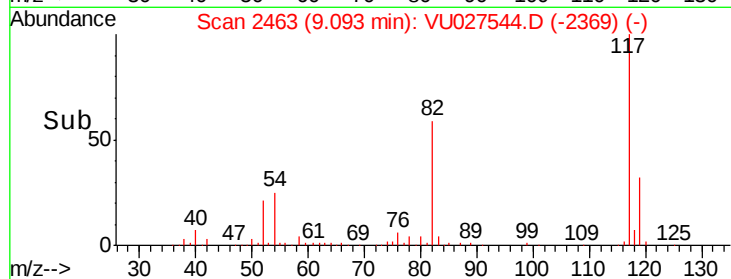
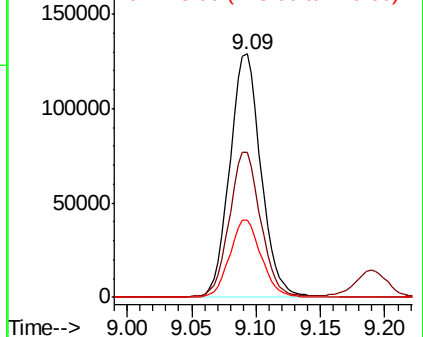
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	49.2	73.8
119	31.7	25.7	38.5

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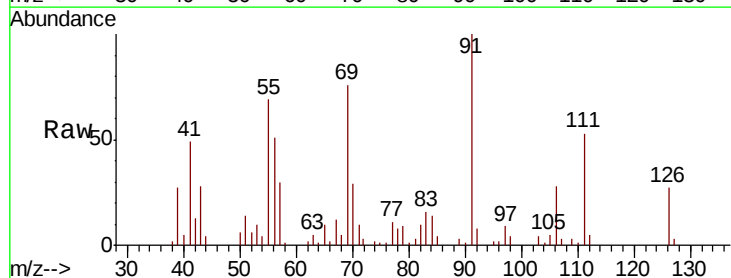


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

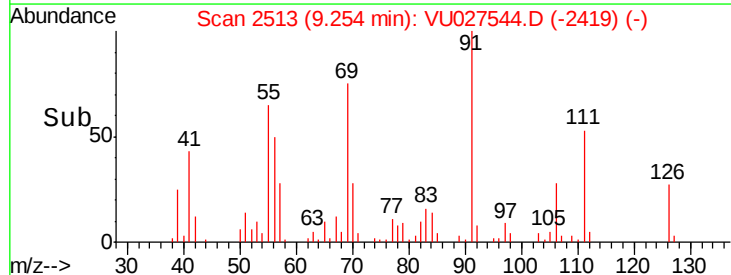
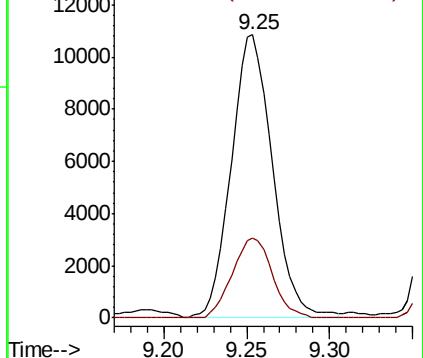


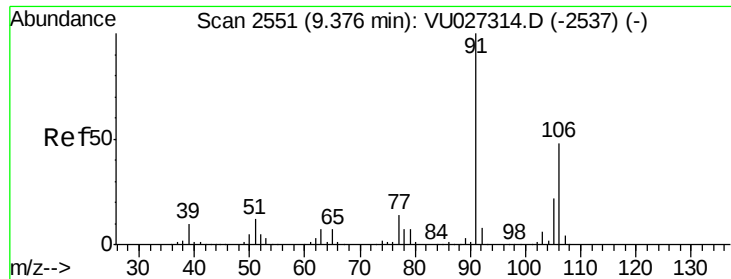
#67
Ethyl Benzene
Concen: 2.308 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.6	35.4



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





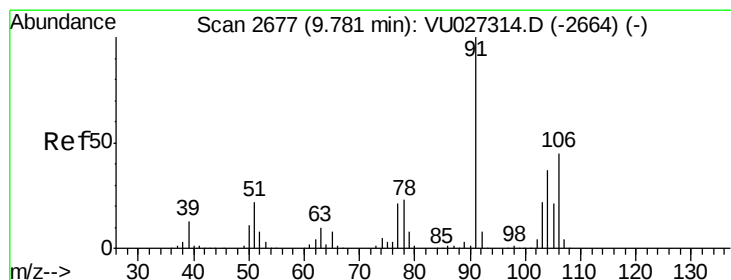
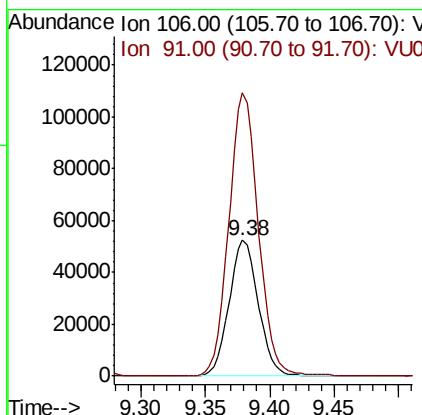
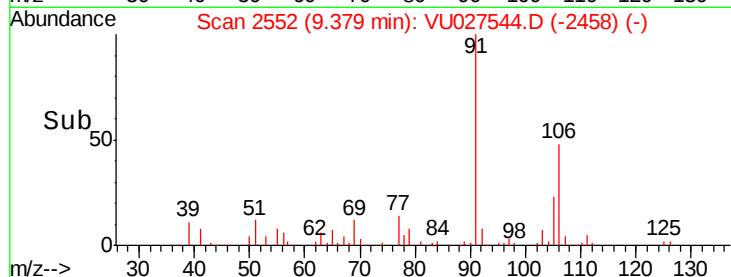
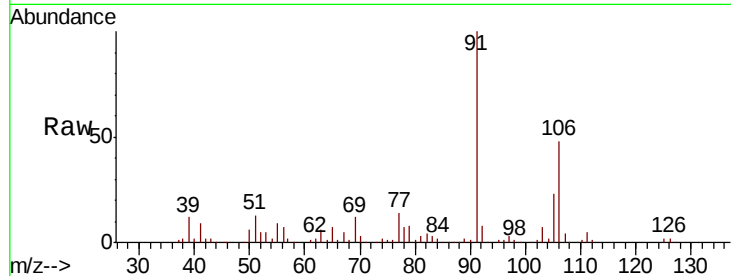
#68
m/p-Xylenes
Concen: 27.737 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D

Tot Ion:106 Resp: 82328
Ion Ratio Lower Upper
106 100
91 210.1 168.1 252.1

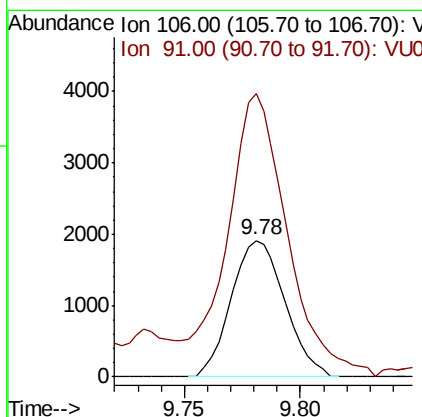
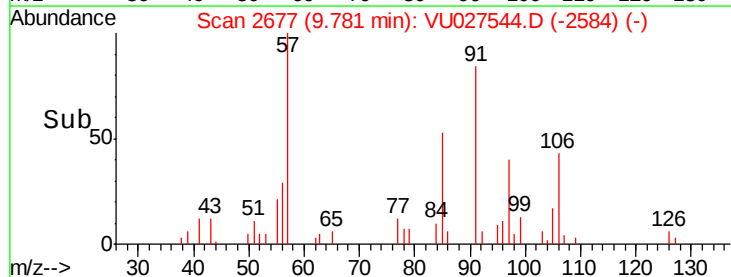
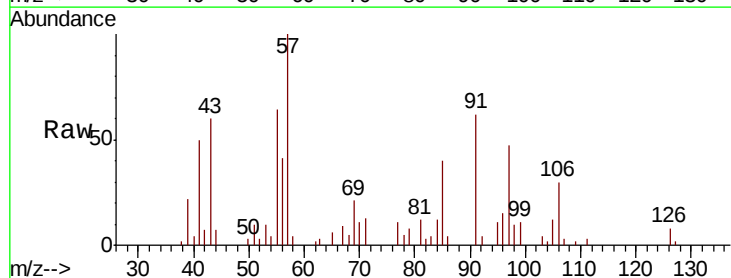
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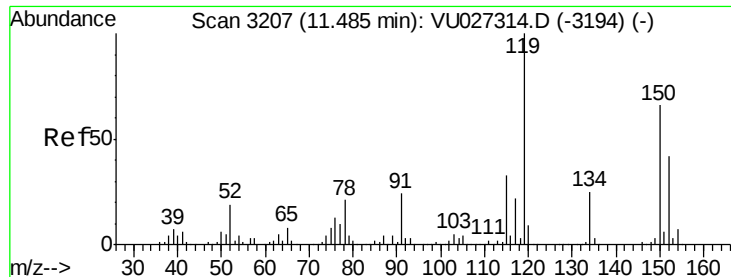
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#69
o-Xylene
Concen: 1.090 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Tgt Ion:106 Resp: 3074
Ion Ratio Lower Upper
106 100
91 234.2 111.7 334.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027544.D

Acq: 10 Oct 2018 00:15

Instrument :

MSVOA_U

ClientSampled :

EP1-MW-D

Tot Ion:152 Resp: 97311

Ion Ratio Lower Upper

152 100

115 75.6 43.4 130.2

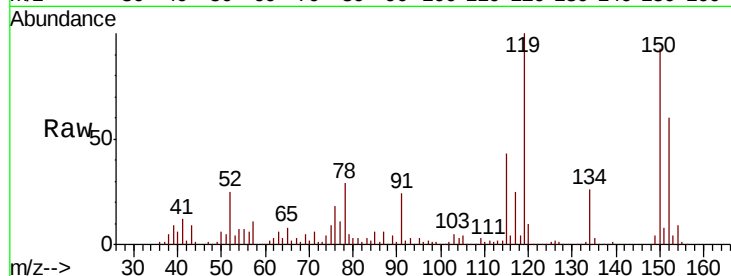
150 156.7 0.0 349.2

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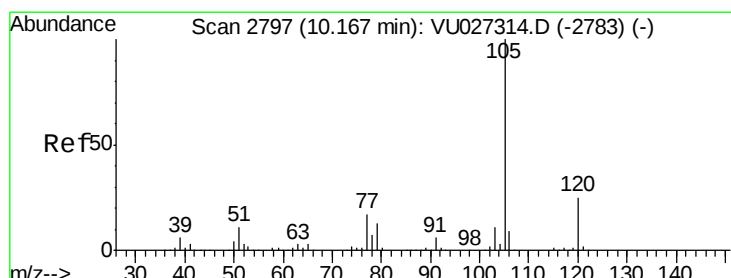
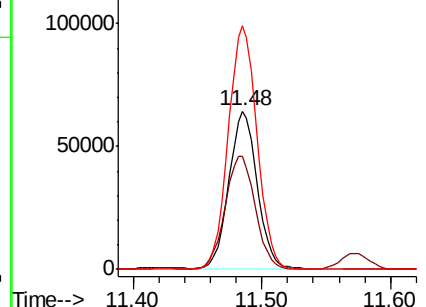
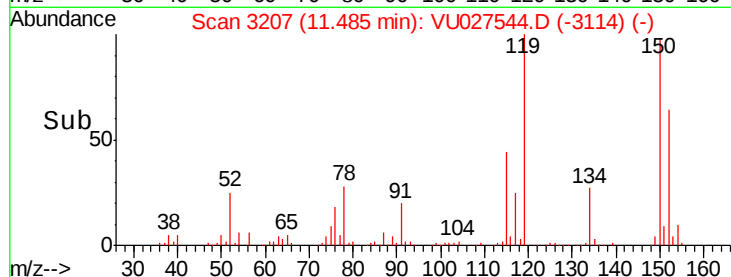
10/11/2018 9:01:37 AM



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: 13.120 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027544.D

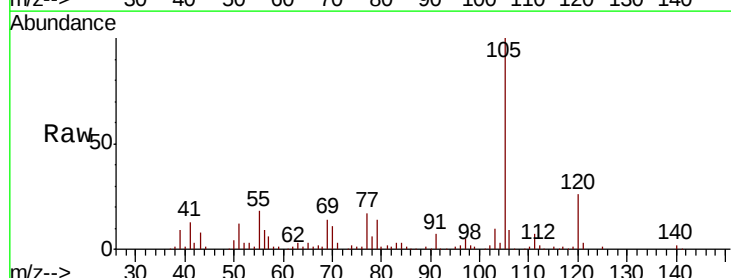
Acq: 10 Oct 2018 00:15

Tgt Ion:105 Resp: 92724

Ion Ratio Lower Upper

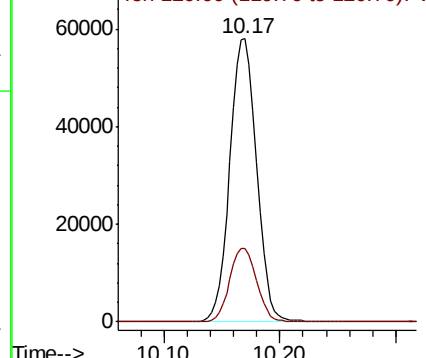
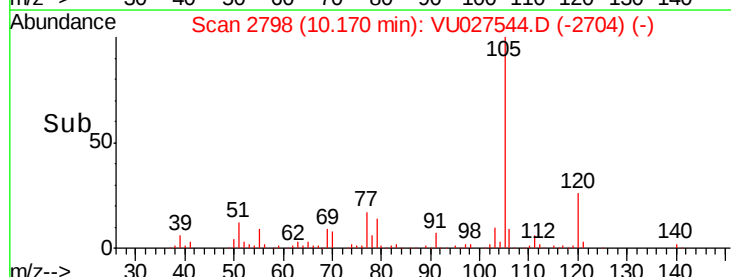
105 100

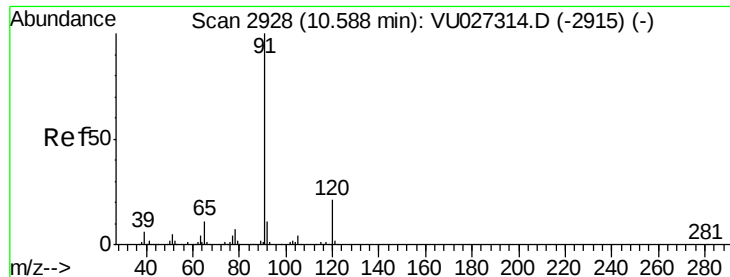
120 26.2 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 13.936 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027544.D

Acq: 10 Oct 2018 00:15

Instrument :

MSVOA_U

ClientSampled :

EP1-MW-D

Tot Ion: 91 Resp: 118353

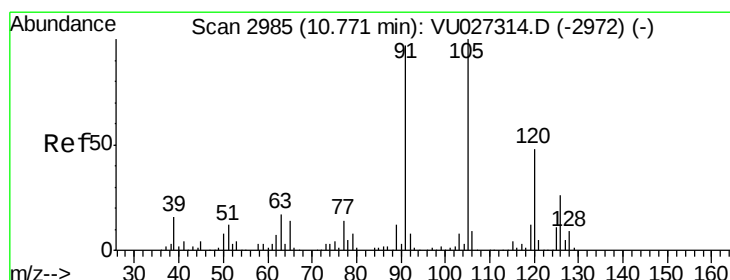
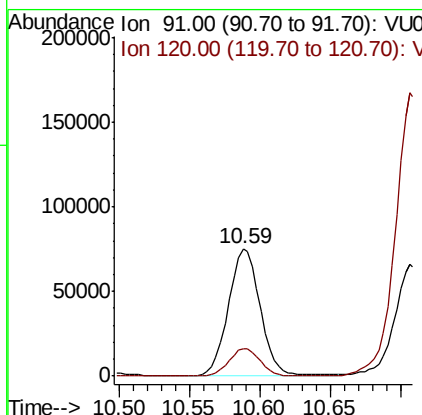
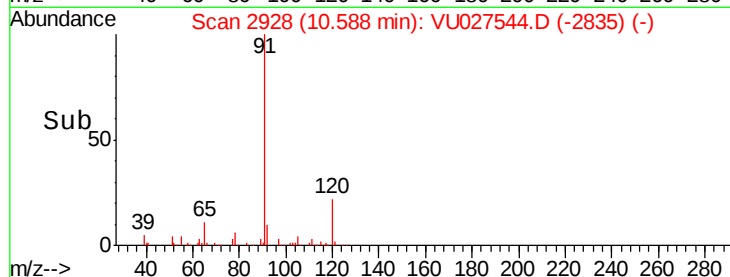
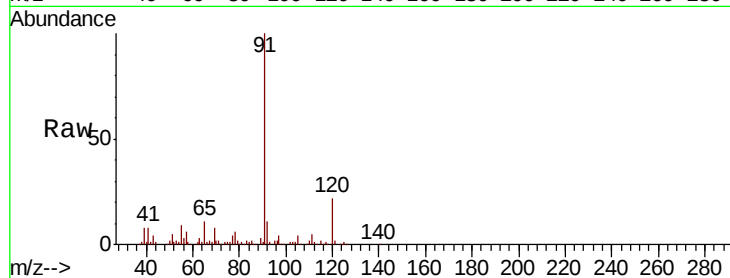
Ion Ratio Lower Upper

91 100

120 21.2 10.6 31.8

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#80

1,3,5-Trimethylbenzene

Concen: 73.280 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027544.D

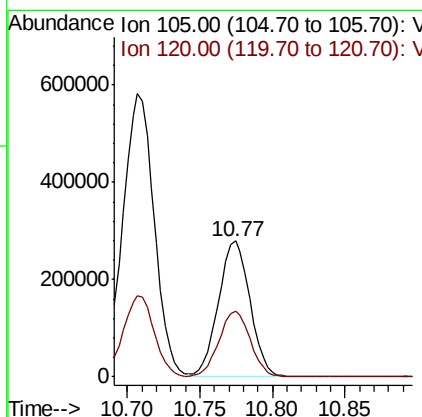
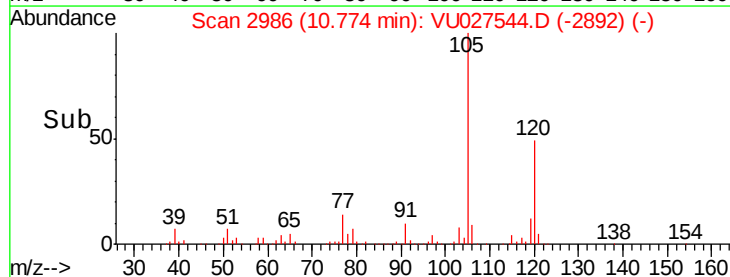
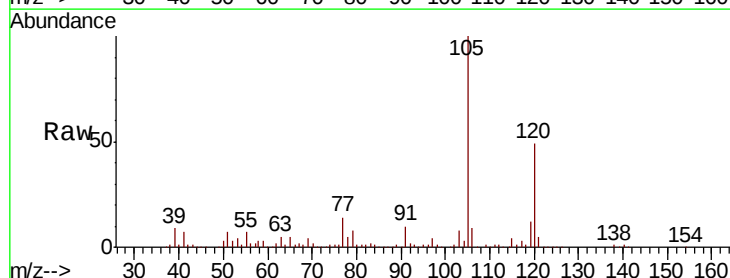
Acq: 10 Oct 2018 00:15

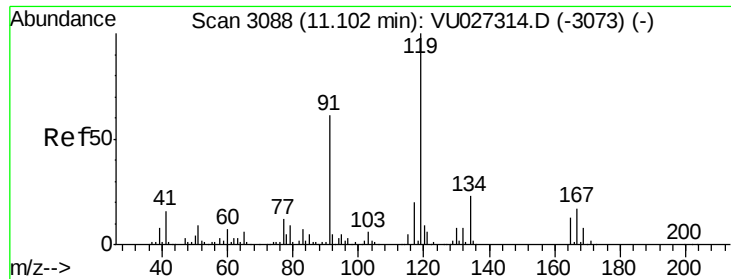
Tgt Ion: 105 Resp: 421658

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4





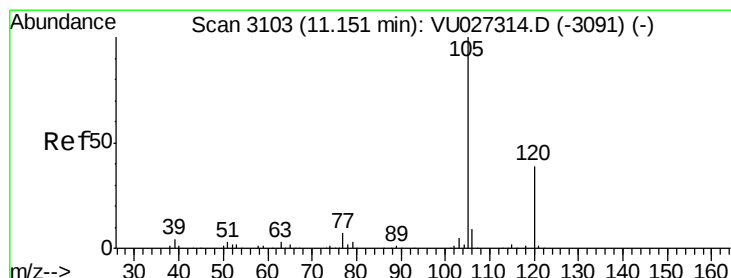
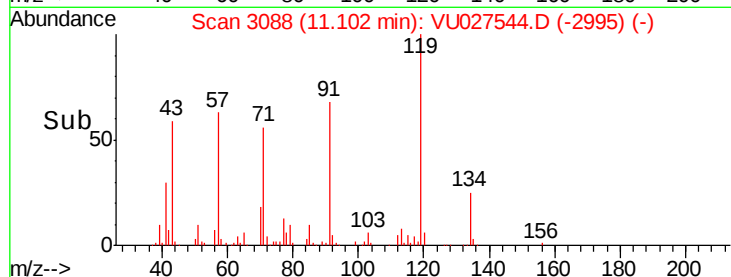
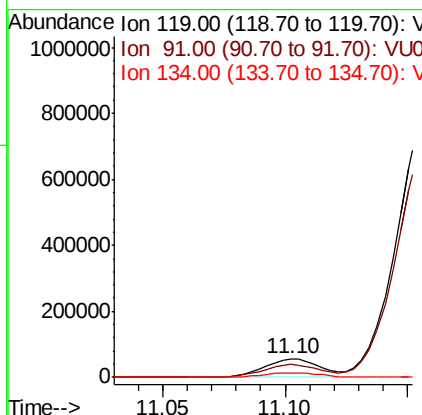
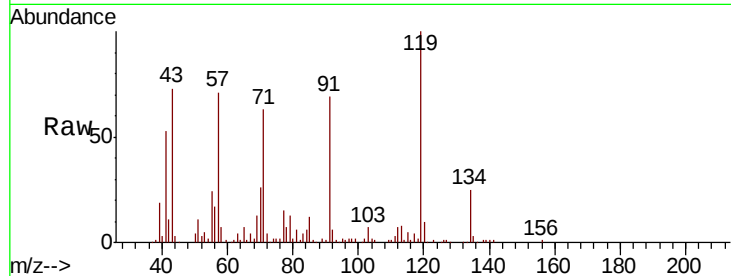
#83
tert-Butylbenzene
Concen: 16.030 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Instrument :
MSVOA_U
ClientSampleID :
EP1-MW-D

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.2	30.3	91.0
134	25.4	11.5	34.4

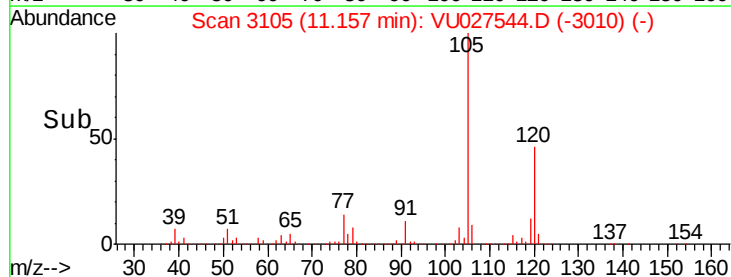
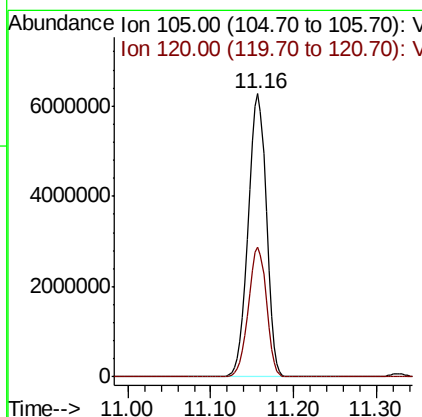
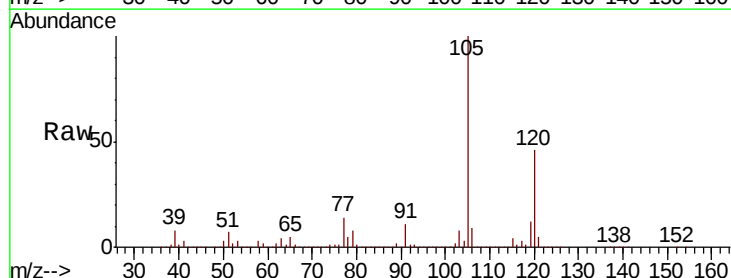
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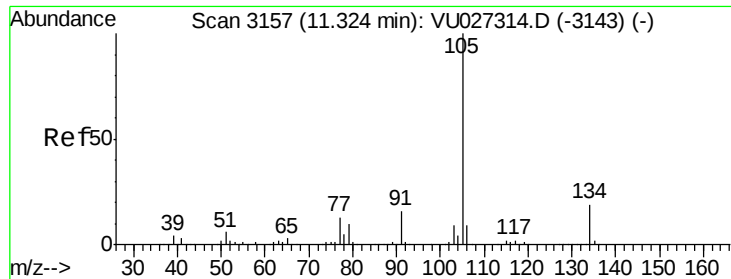
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#84
1,2,4-Trimethylbenzene
Concen: 1608.644 ug/l
RT: 11.16 min Scan# 3105
Delta R.T. 0.01 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.1	66.5





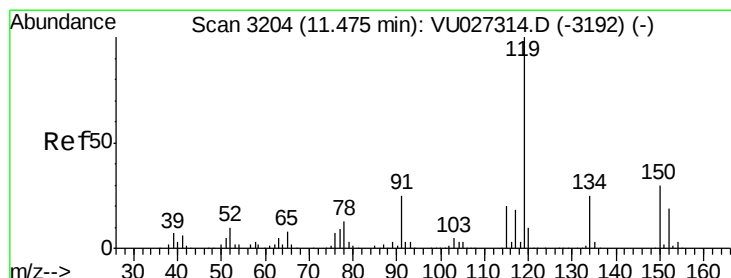
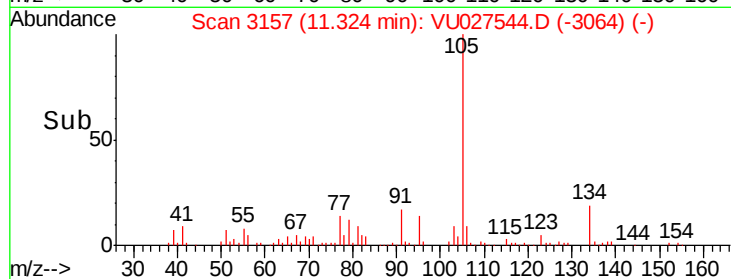
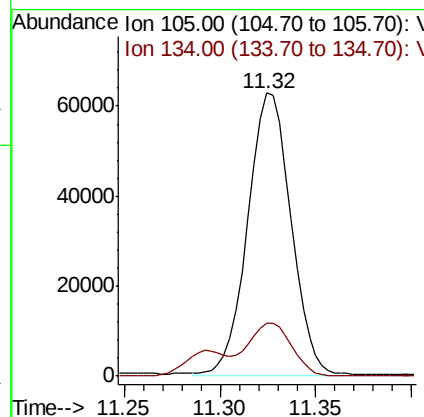
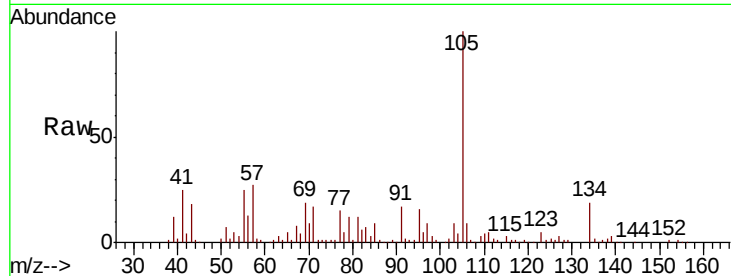
#85
 sec-Butylbenzene
 Concen: 14.145 ug/l m
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027544.D
 Acq: 10 Oct 2018 00:15

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-D

Tot Ion:105 Resp: 99137
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#

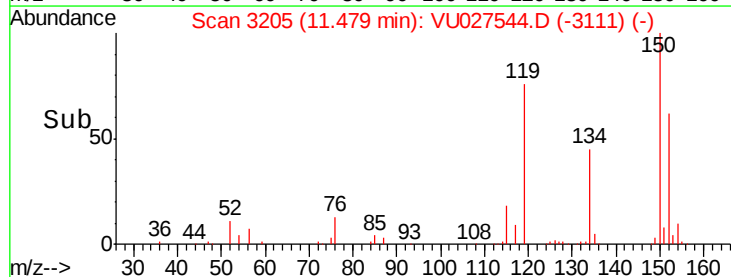
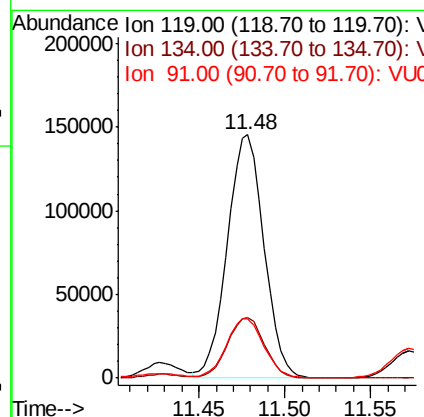
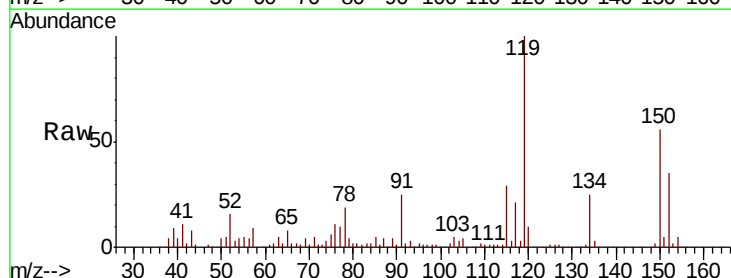
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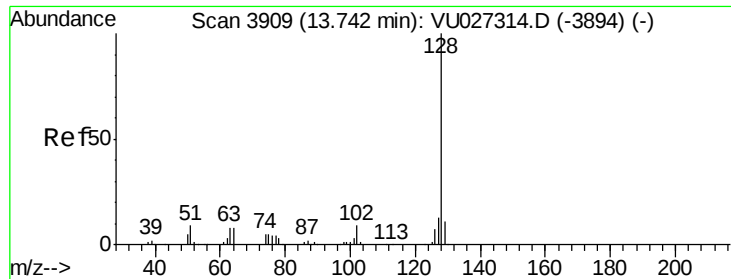
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#86
 p-Isopropyltoluene
 Concen: 35.955 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027544.D
 Acq: 10 Oct 2018 00:15

Tgt Ion:119 Resp: 215768
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.1
 91 24.4 12.2 36.4





#95
Naphthalene
Concen: 2.683 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027544.D
Acq: 10 Oct 2018 00:15

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D

Tot Ion	Ratio	Lower	Upper
128	100		
127	20.8	10.5	15.7#
129	33.3	8.6	12.8#

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