

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100418\
 Data File : VU027431.D
 Acq On : 05 Oct 2018 00:17
 Operator : MD/SY
 Sample : J5165-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-D-092718

Manual Integrations
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 10/8/2018 1:52:39 PM

Quant Time: Oct 05 08:41:46 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	112125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	194153	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	193211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	108332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	107415	57.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.74%	
35) Dibromofluoromethane	4.89	113	76994	57.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.72%	
50) Toluene-d8	7.57	98	306560	61.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.12%	
62) 4-Bromofluorobenzene	10.31	95	118840	64.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.42%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	8906	22.588	ug/l #	93
16) Acetone	2.32	43	29743	26.891	ug/l	97
17) Carbon Disulfide	2.48	76	10045	2.352	ug/l	100
18) Methyl Acetate	2.62	43	2070	0.820	ug/l #	74
25) 2-Butanone	4.28	43	9190	6.093	ug/l	95
30) Chloroform	4.68	83	5753	2.203	ug/l	84
39) Methylcyclohexane	6.42	83	6938	2.815	ug/l	97
67) Ethyl Benzene	9.25	91	8392	1.165	ug/l	93
68) m/p-Xylenes	9.38	106	100281	38.048	ug/l	99
69) o-Xylene	9.78	106	2153	0.860	ug/l	97
73) Isopropylbenzene	10.17	105	82011	10.423	ug/l	100
78) n-propylbenzene	10.59	91	130987	13.855	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	491223	76.685	ug/l	99
83) tert-Butylbenzene	11.10	119	86481	13.965	ug/l	90
84) 1,2,4-Trimethylbenzene	11.15	105	6015091	919.258	ug/l	99
85) sec-Butylbenzene	11.32	105	140493m	18.006	ug/l	
86) p-Isopropyltoluene	11.48	119	306074	45.815	ug/l	100
89) n-Butylbenzene	11.89	91	79149m	12.679	ug/l	
95) Naphthalene	13.74	128	7811	2.582	ug/l #	71

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

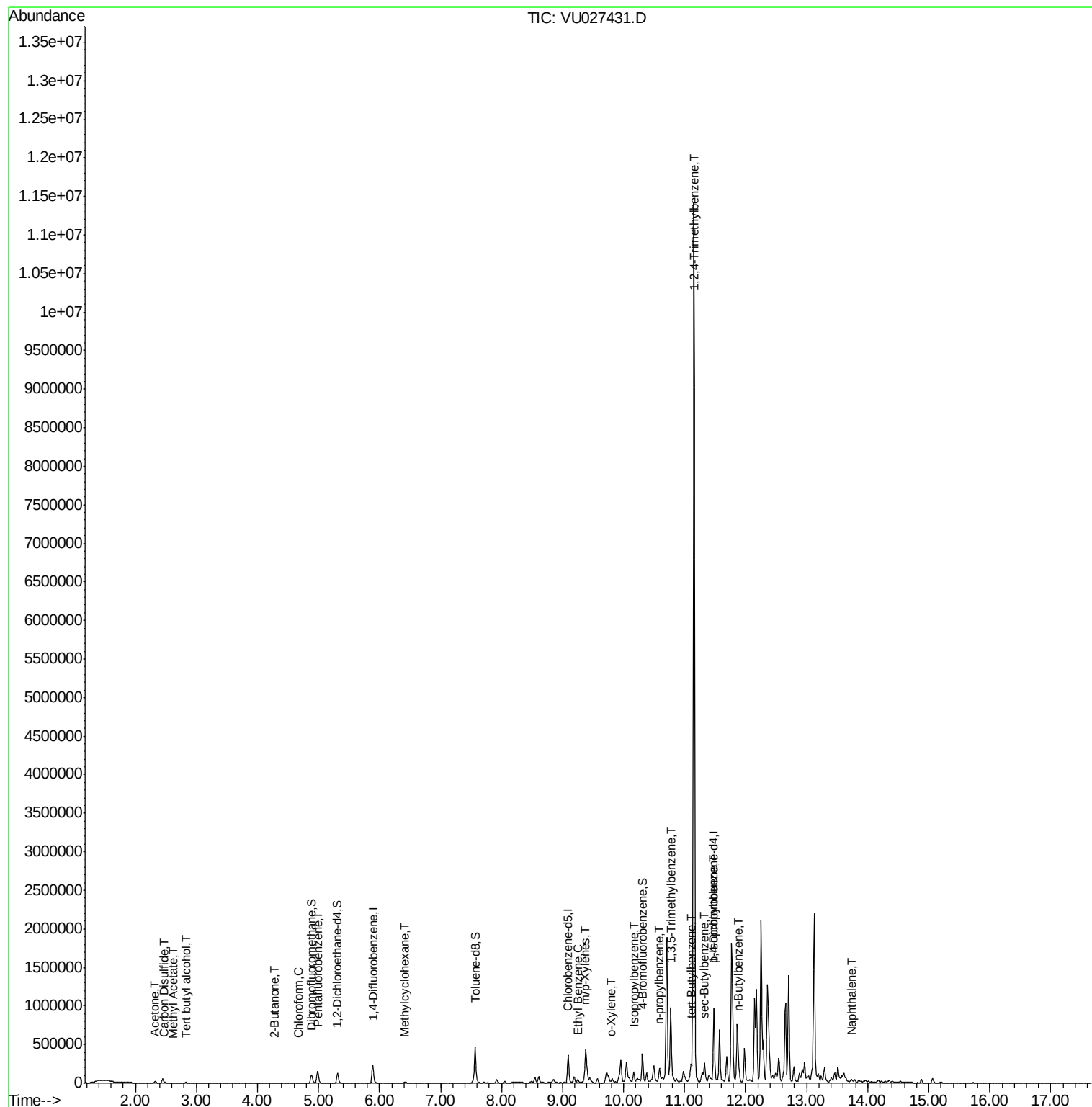
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027431.D
Acq On : 05 Oct 2018 00:17
Operator : MD/SY
Sample : J5165-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

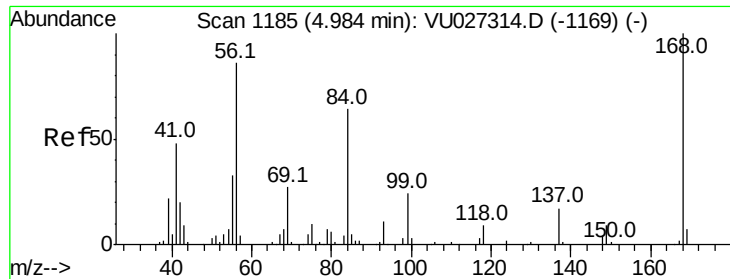
Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

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Quant Time: Oct 05 08:41:46 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: VU027431.D

Acq: 05 Oct 2018 00:17

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-D-092718

Tot Ion:168 Resp: 112125

Ion Ratio Lower Upper

168 100

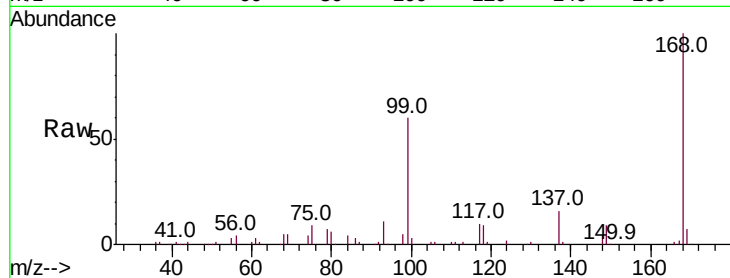
99 59.8 50.8 76.2

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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

50000

40000

30000

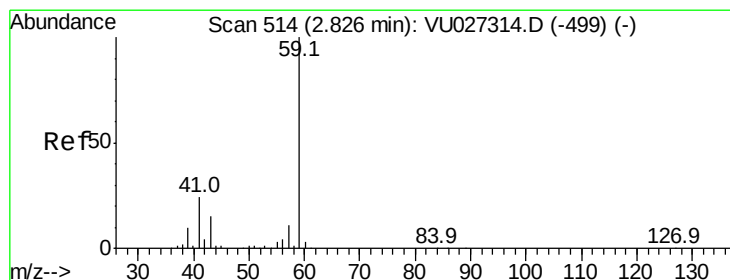
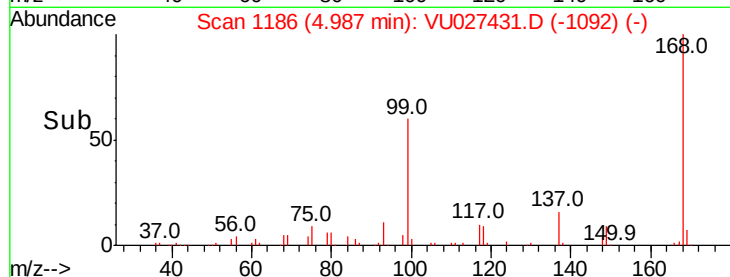
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 22.588 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU027431.D

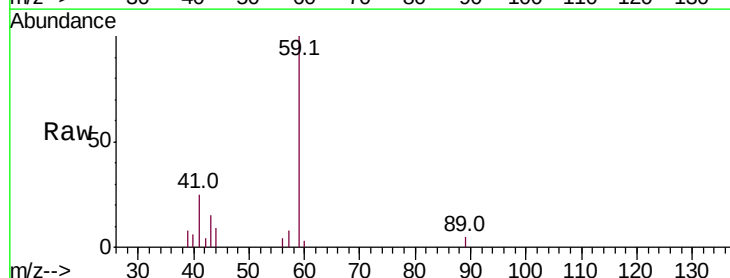
Acq: 05 Oct 2018 00:17

Tgt Ion: 59 Resp: 8906

Ion Ratio Lower Upper

59 100

57 7.7 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

4000

3000

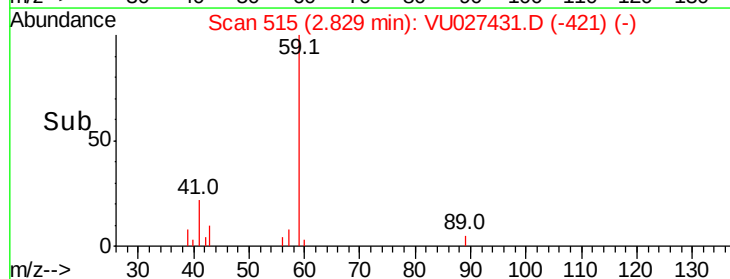
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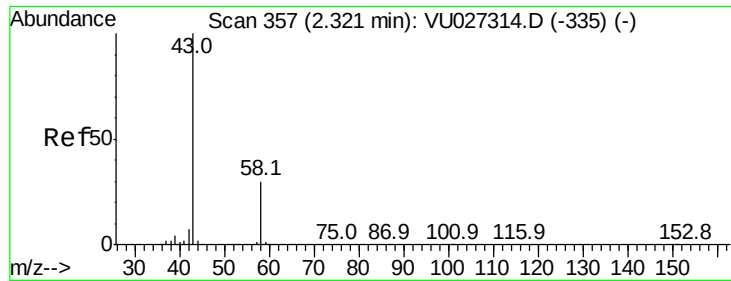
1000

0

2.75 2.80 2.85 2.90 2.95

Time-->





#16

Acetone

Concen: 26.891 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027431.D

Acq: 05 Oct 2018 00:17

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-D-092718

Tot Ion: 43 Resp: 29743

Ion Ratio Lower Upper

43 100

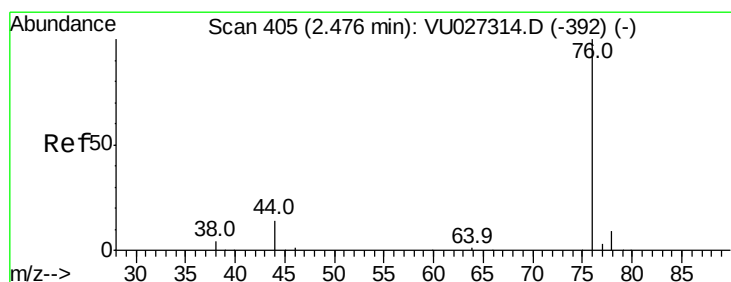
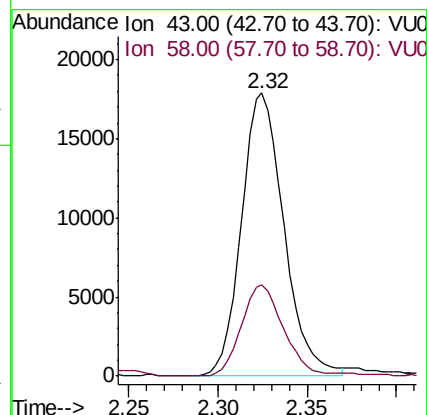
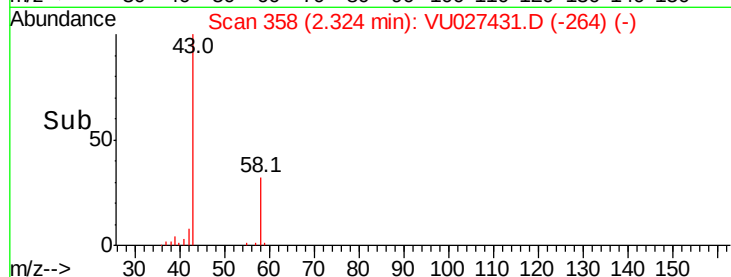
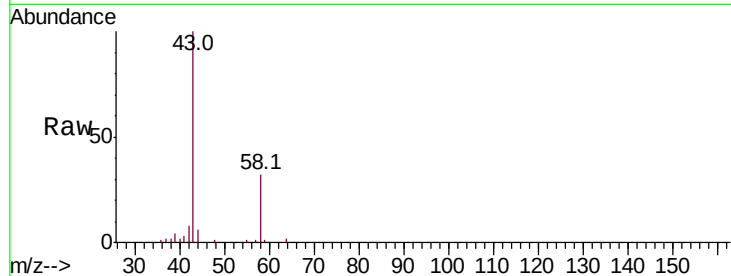
58 32.1 24.2 36.4

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#17

Carbon Disulfide

Concen: 2.352 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027431.D

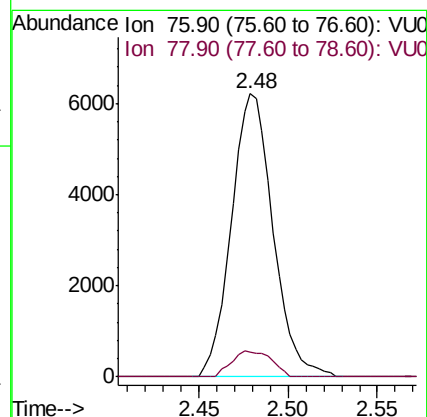
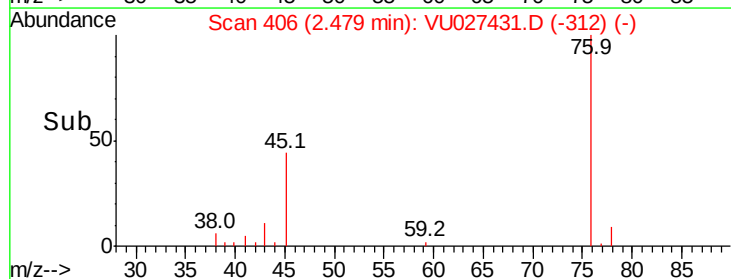
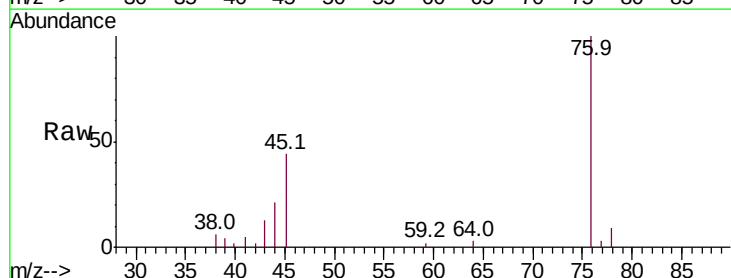
Acq: 05 Oct 2018 00:17

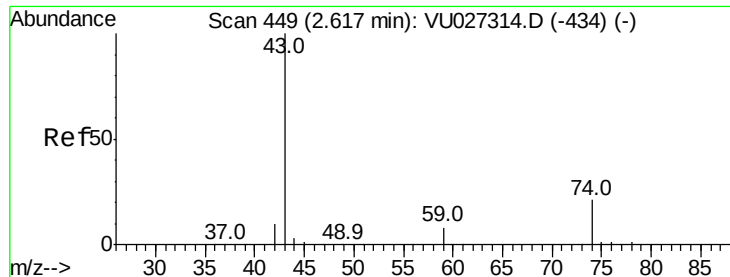
Tgt Ion: 76 Resp: 10045

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





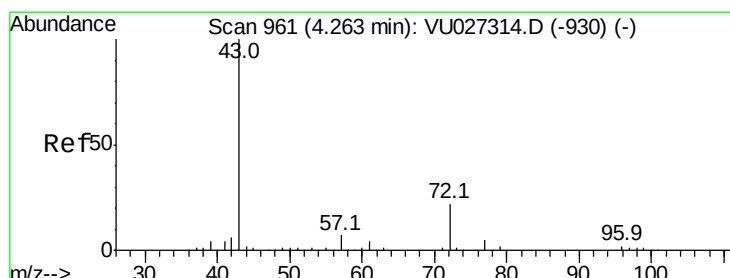
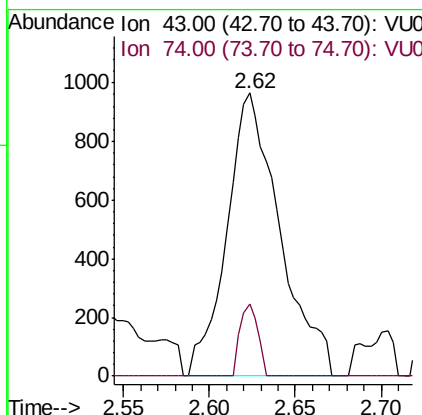
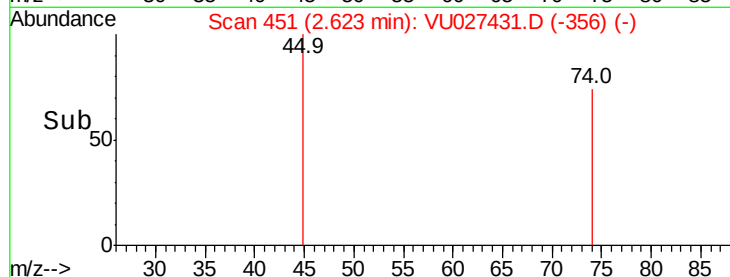
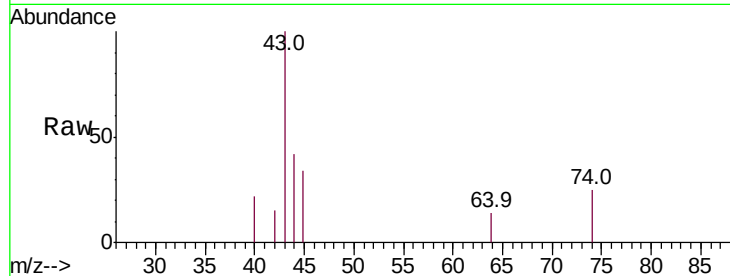
#18
Methyl Acetate
Concen: 0.820 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

Tot Ion: 43 Resp: 2070
Ion Ratio Lower Upper
43 100
74 8.6 16.5 24.7#

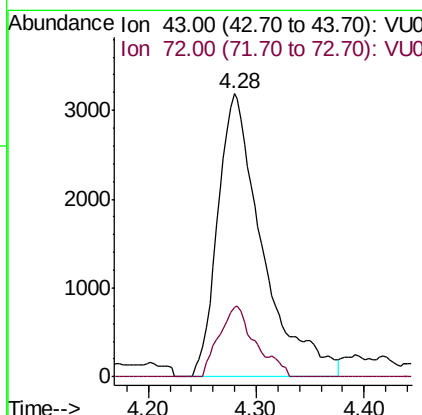
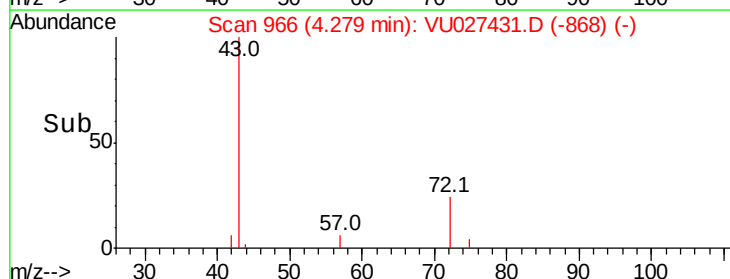
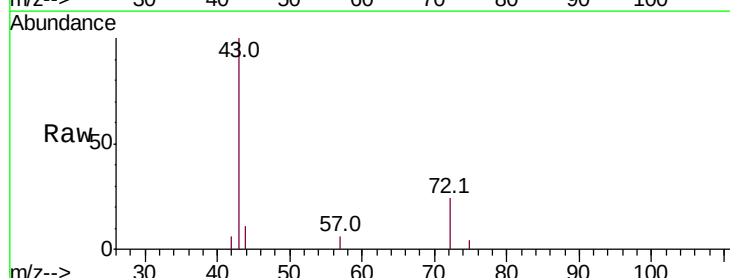
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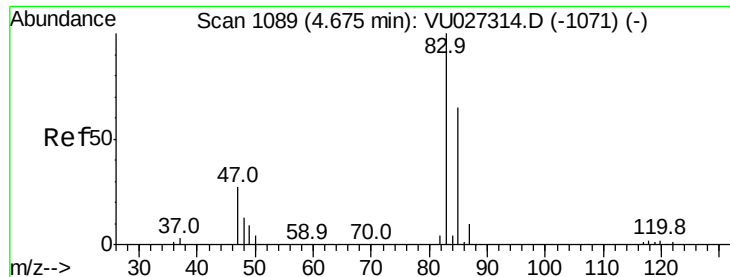
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#25
2-Butanone
Concen: 6.093 ug/l
RT: 4.28 min Scan# 966
Delta R.T. 0.02 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Tgt Ion: 43 Resp: 9190
Ion Ratio Lower Upper
43 100
72 24.4 17.8 26.6





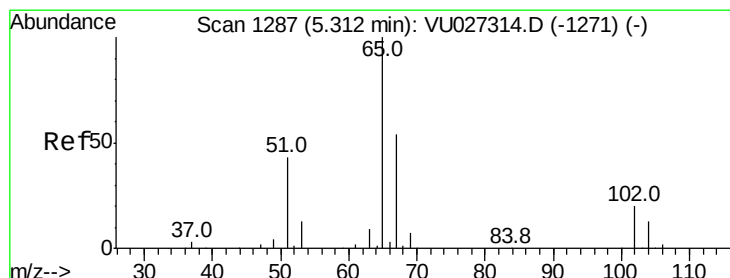
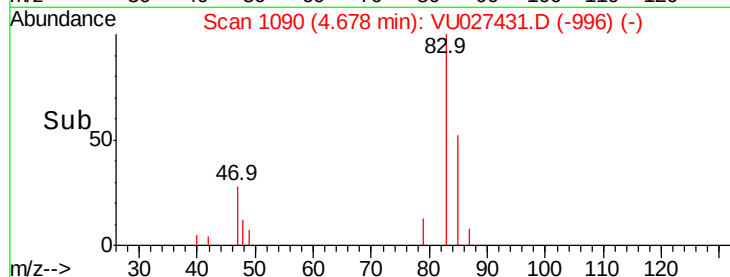
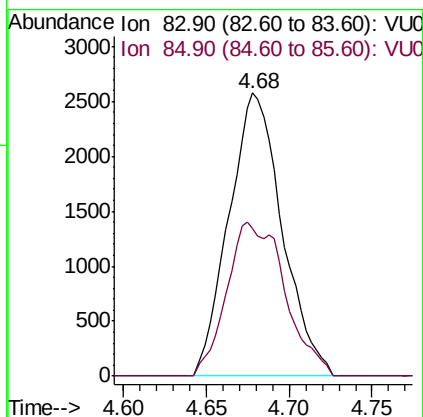
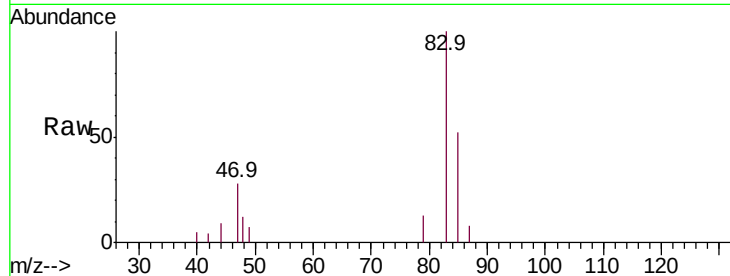
#30
Chloroform
Concen: 2.203 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

Tot Ion: 83 Resp: 5753
Ion Ratio Lower Upper
83 100
85 52.4 51.8 77.6

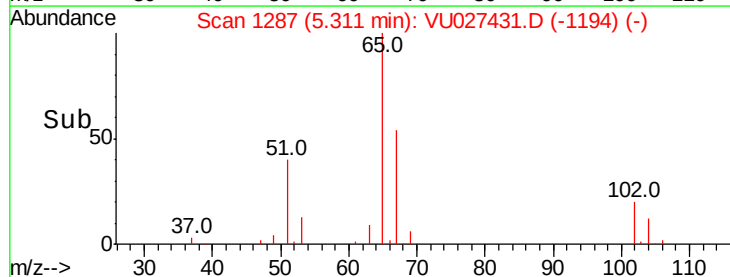
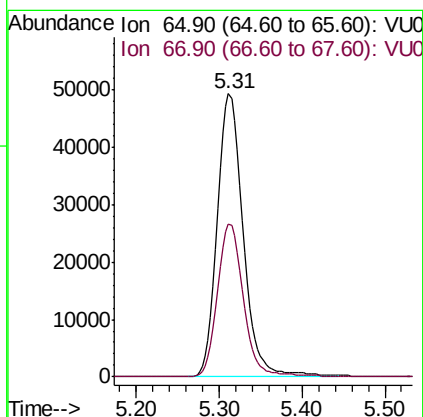
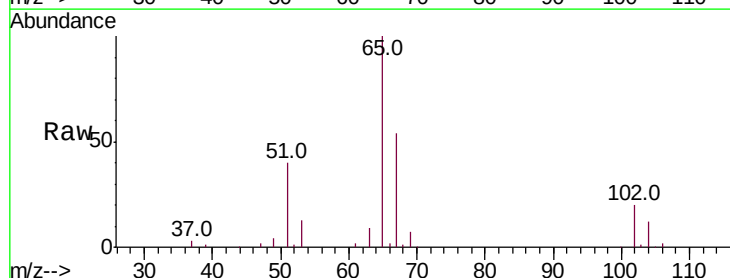
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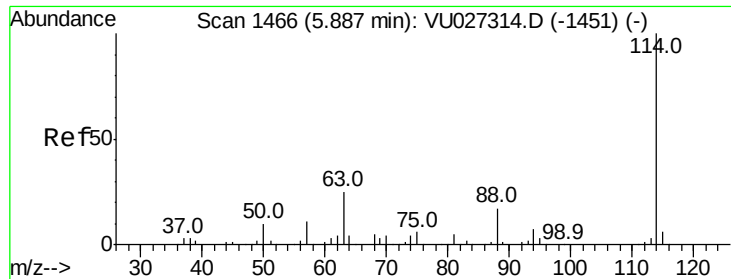
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#33
1,2-Dichloroethane-d4
Concen: 57.371 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Tgt Ion: 65 Resp: 107415
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.8





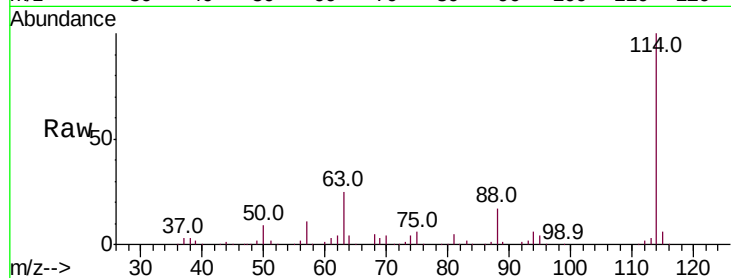
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027431.D
 Acq: 05 Oct 2018 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-D-092718

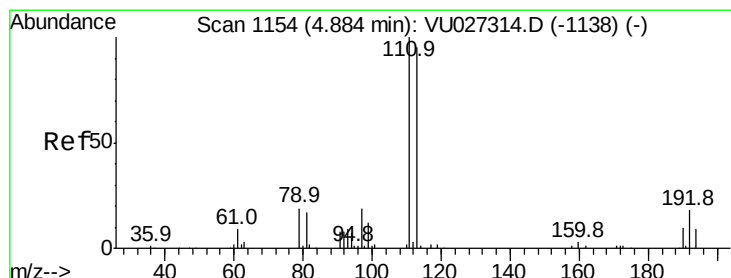
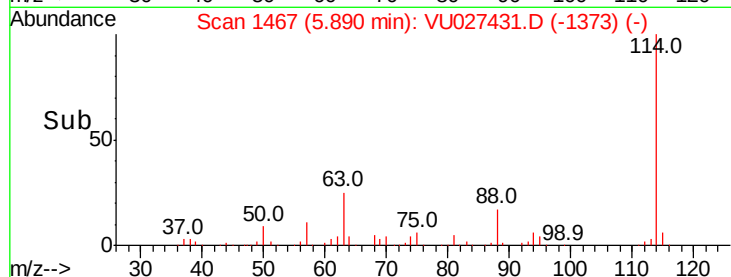
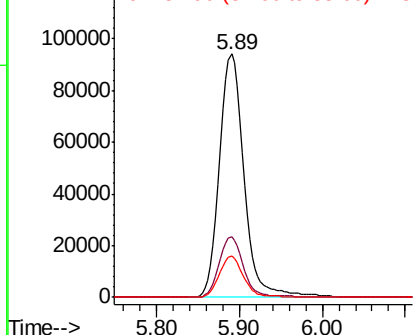
Tot Ion	Ratio	Resp	Lower	Upper
114	100	194153		
63	24.7		0.0	50.2
88	17.1		0.0	33.8

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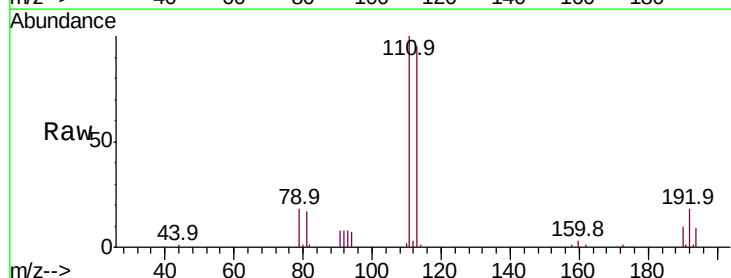


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

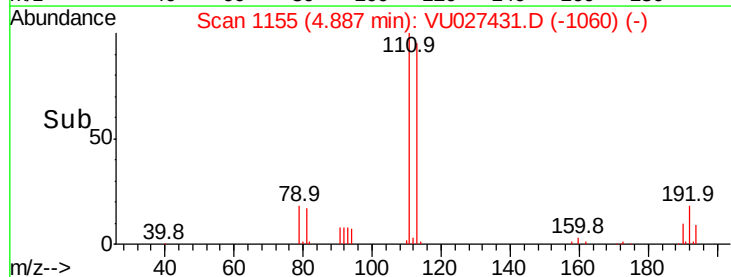
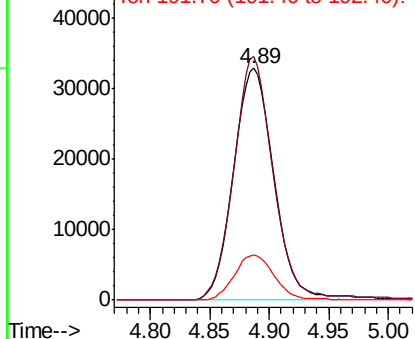


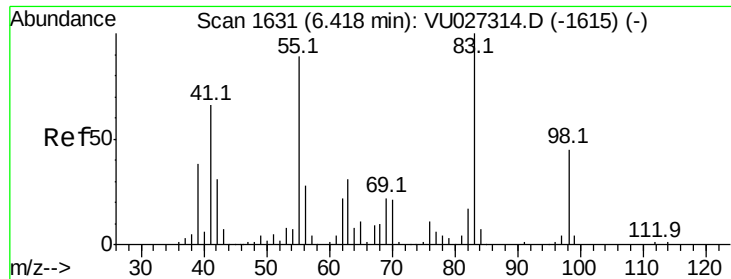
#35
 Dibromofluoromethane
 Concen: 57.865 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027431.D
 Acq: 05 Oct 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	76994		
111	104.2		83.1	124.7
192	19.5		15.4	23.0



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





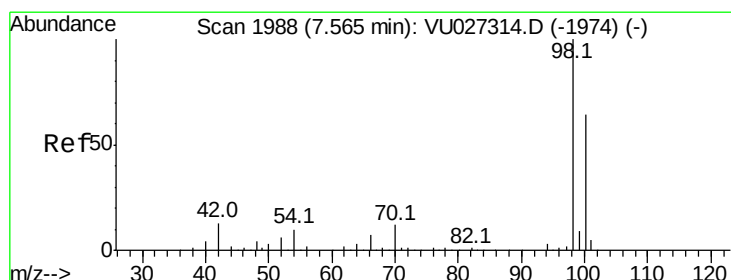
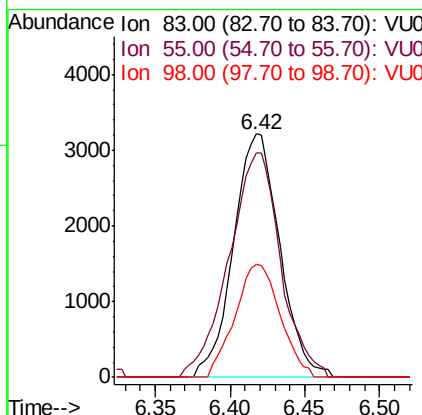
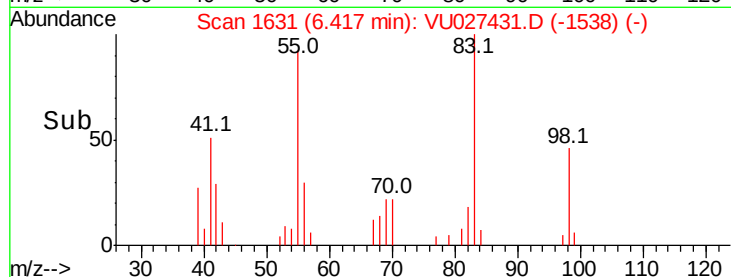
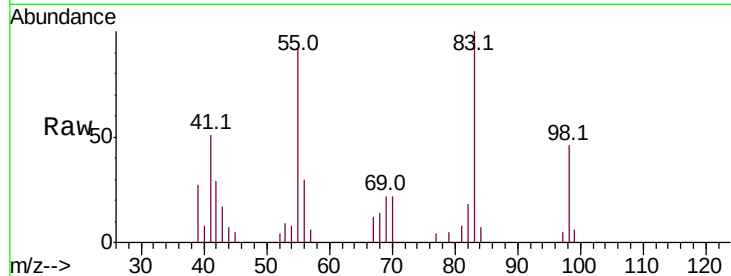
#39
Methylvlcyclohexane
Concen: 2.815 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.3	71.1	106.7
98	46.5	36.3	54.5

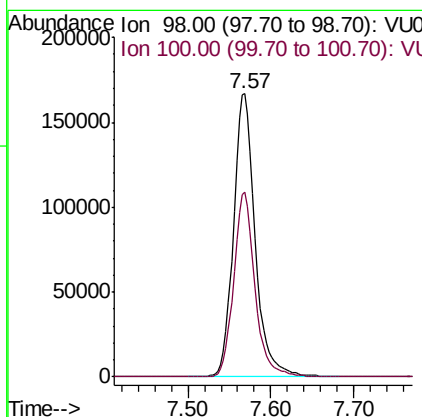
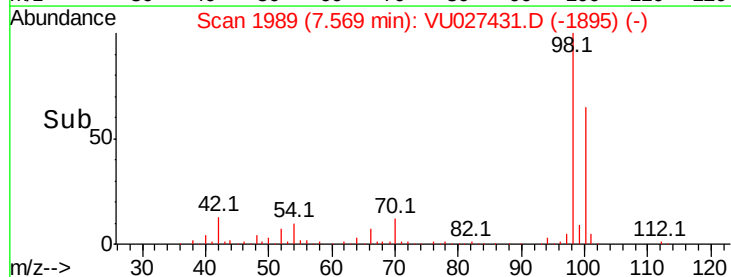
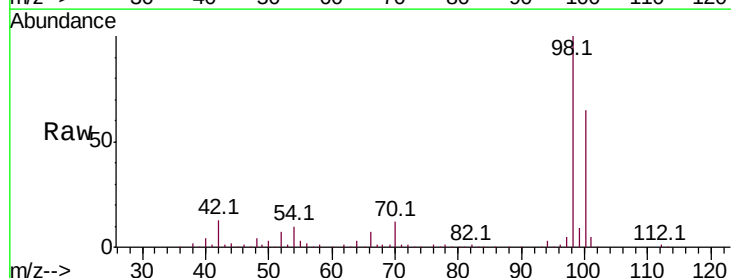
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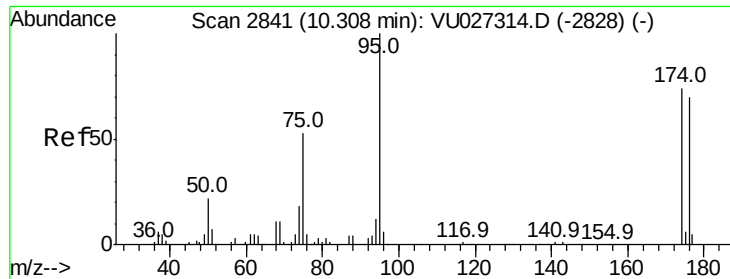
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#50
Toluene-d8
Concen: 61.558 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.1	78.1





#62

4-Bromofluorobenzene

Concen: 64.212 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027431.D

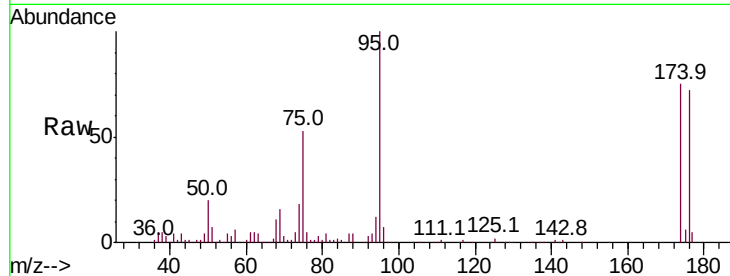
Acq: 05 Oct 2018 00:17

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

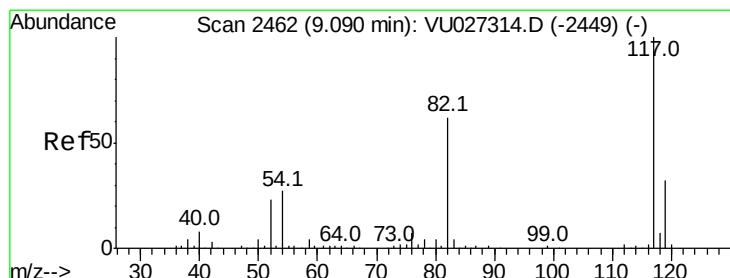
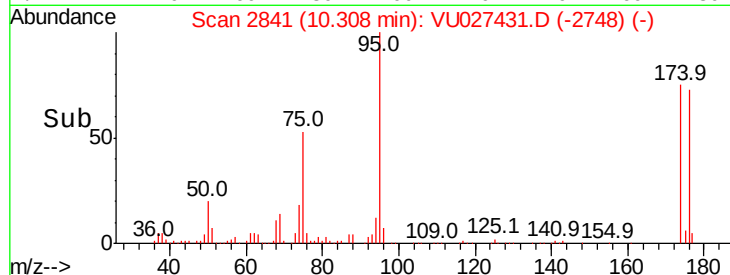
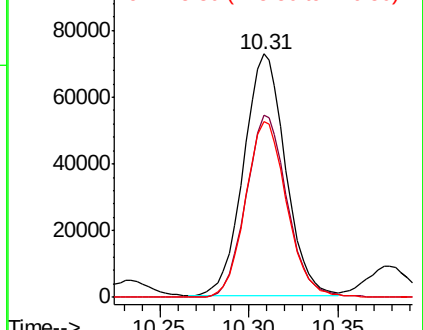
Tot Ion	95	Resp	118840
Ion Ratio	Lower	Upper	
95	100		
174	74.5	0.0	147.8
176	72.1	0.0	140.8

Manual Integrations
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Abundance Ion 94.90 (94.60 to 95.60): VU027431.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

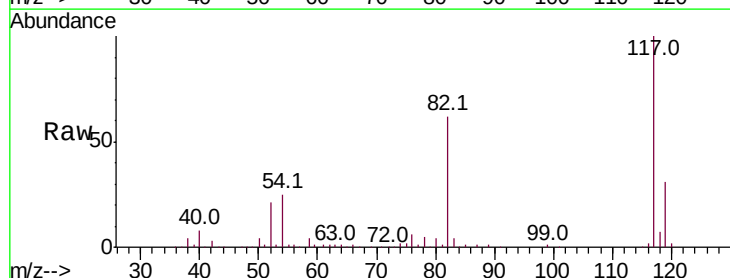
RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

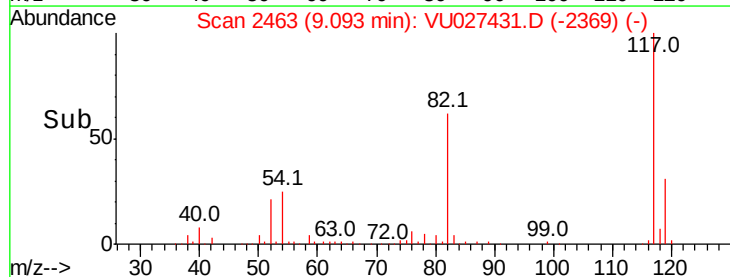
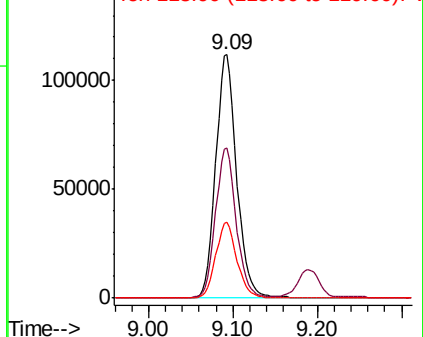
Lab File: VU027431.D

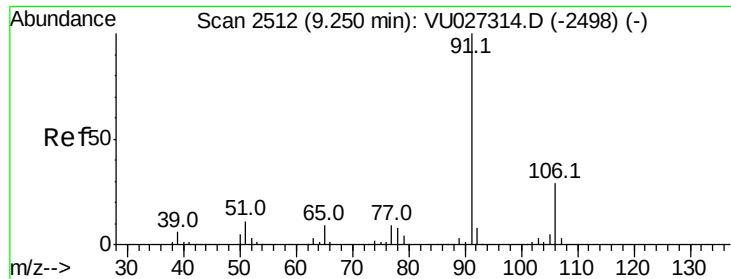
Acq: 05 Oct 2018 00:17

Tgt Ion	117	Resp	193211
Ion Ratio	Lower	Upper	
117	100		
82	61.3	49.2	73.8
119	31.3	25.7	38.5



Abundance Ion 116.90 (116.60 to 117.60): VU027431.D (-2369) (-)





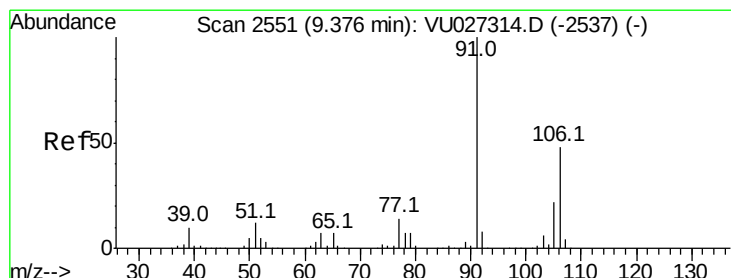
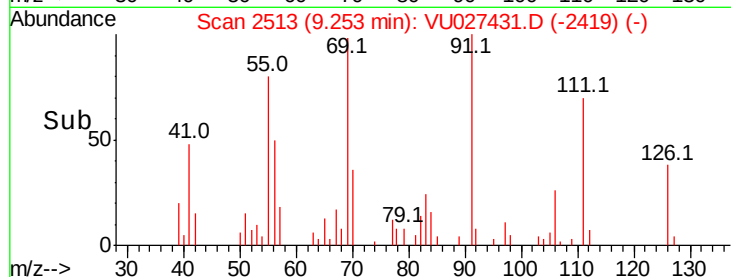
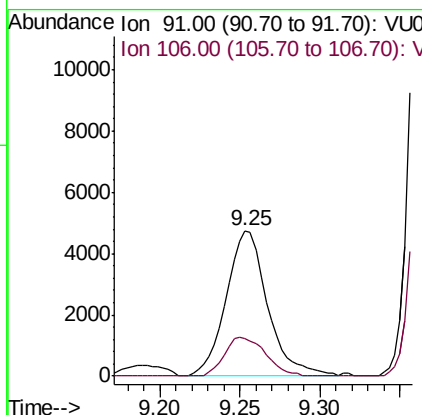
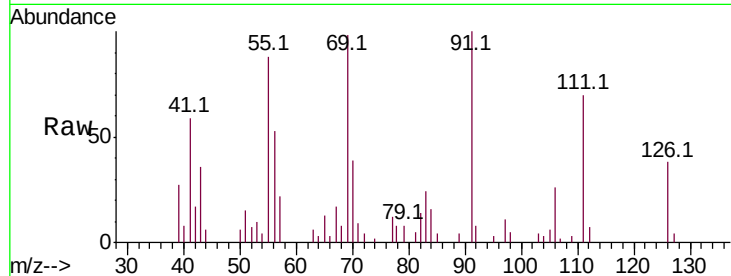
#67
Ethyl Benzene
Concen: 1.165 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

Tot Ion: 91 Resp: 8392
Ion Ratio Lower Upper
91 100
106 25.9 23.6 35.4

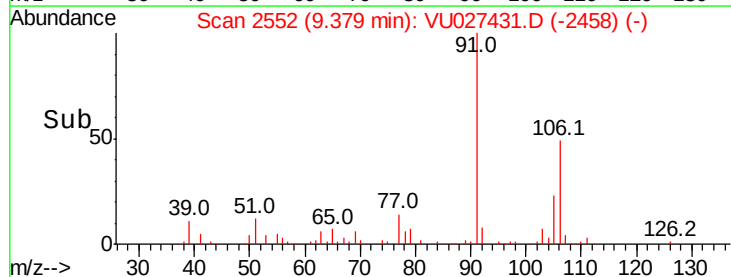
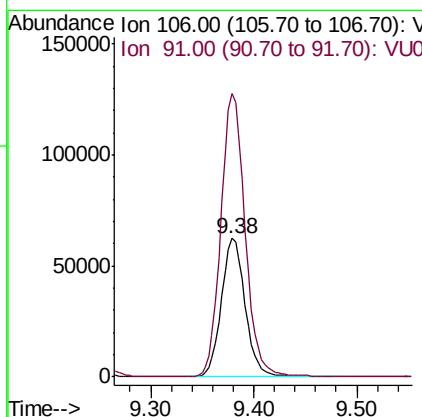
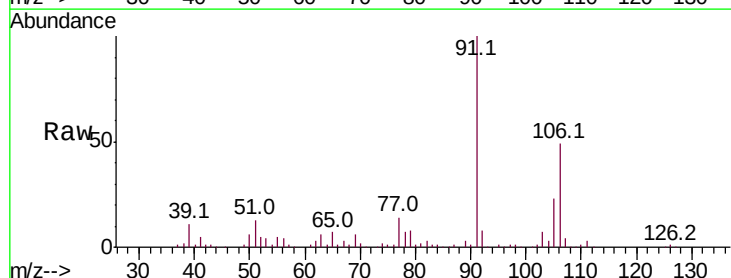
Manual Integrations
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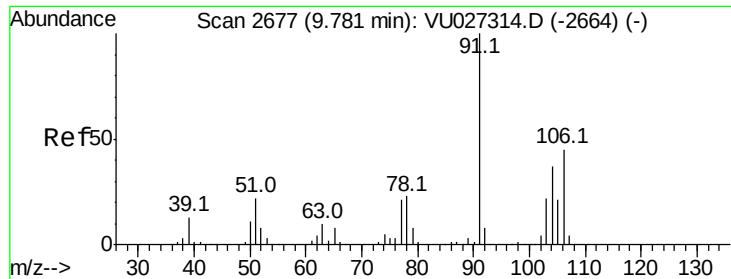
MMDadoda
10/8/2018 1:52:39 PM



#68
m/p-Xylenes
Concen: 38.048 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Tgt Ion: 106 Resp: 100281
Ion Ratio Lower Upper
106 100
91 208.3 168.1 252.1





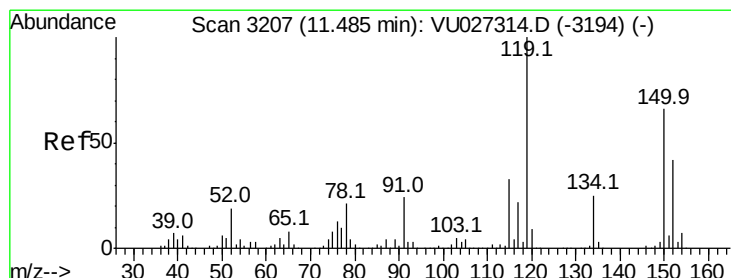
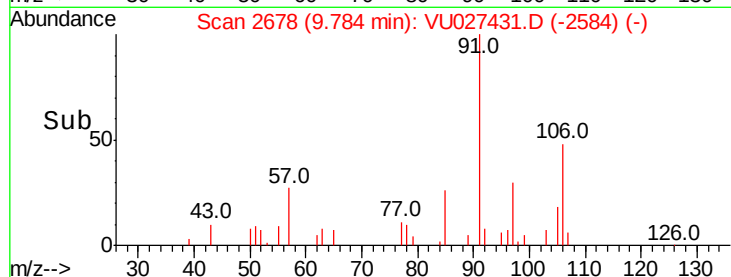
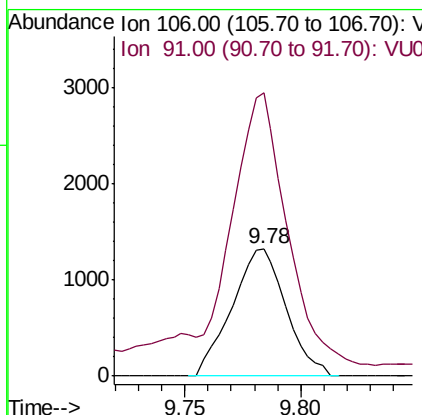
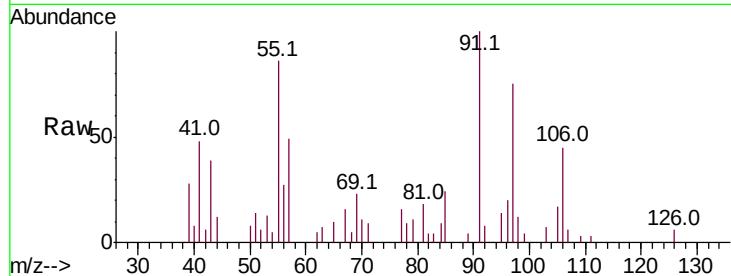
#69
o-Xylene
Concen: 0.860 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

Tot Ion:106 Resp: 2153
Ion Ratio Lower Upper
106 100
91 219.2 111.7 334.9

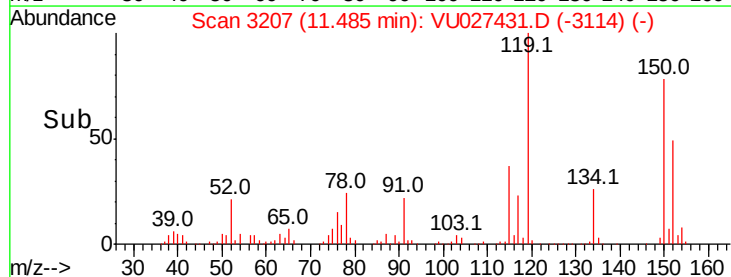
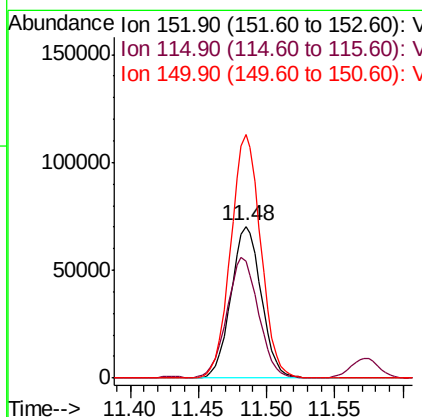
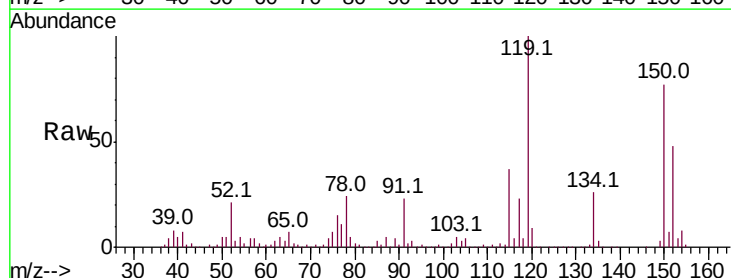
Manual Integrations
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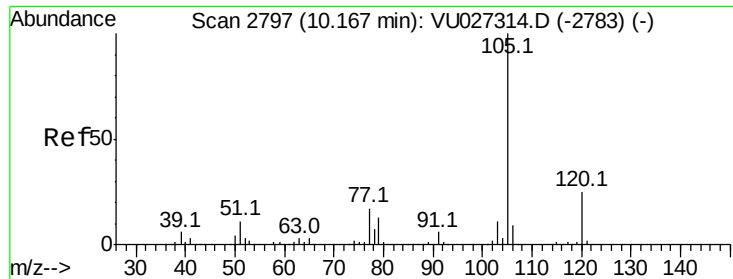
MMDadoda
10/8/2018 1:52:39 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Tgt Ion:152 Resp: 108332
Ion Ratio Lower Upper
152 100
115 81.5 43.4 130.2
150 158.7 0.0 349.2





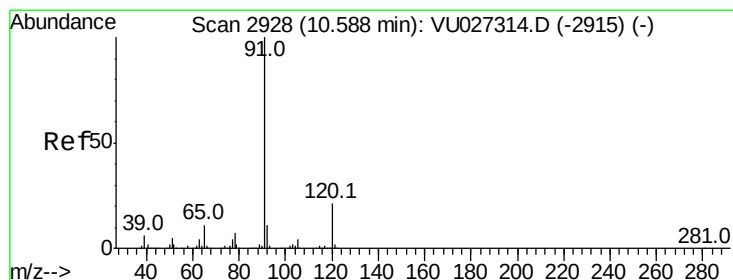
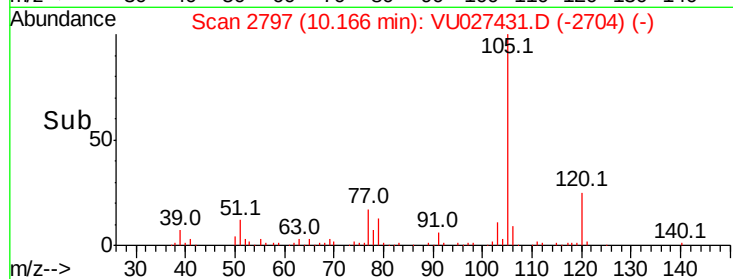
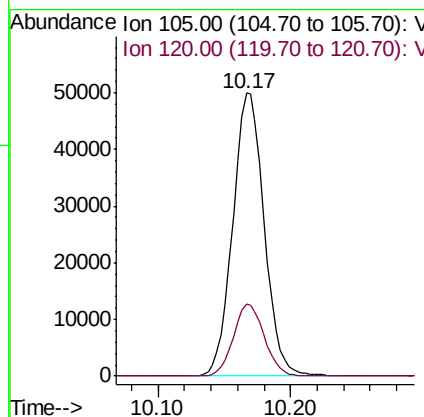
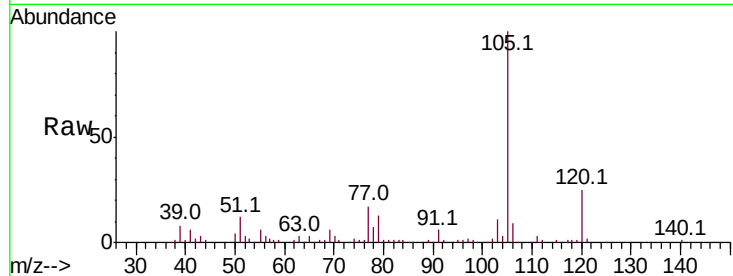
#73
Isopropylbenzene
Concen: 10.423 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.6	37.8

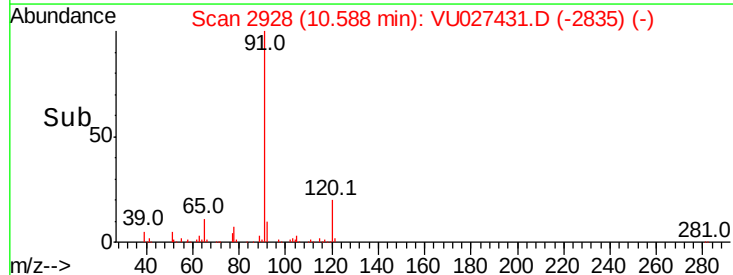
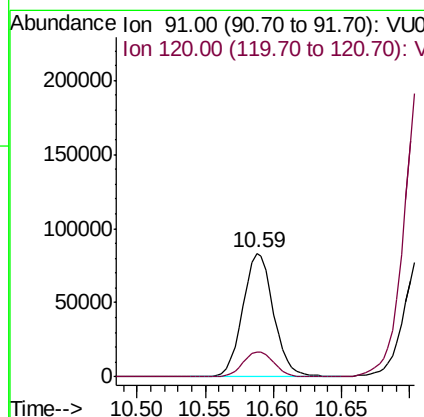
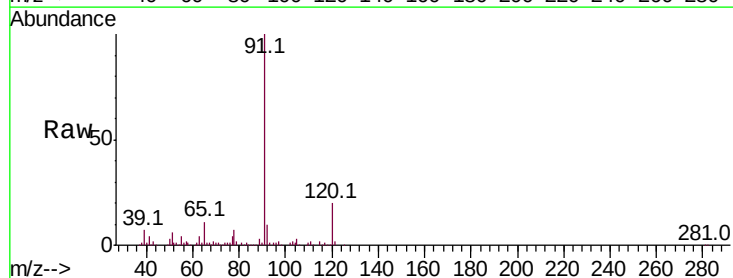
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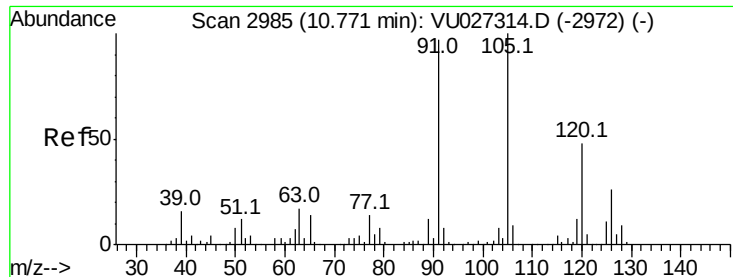
MMDadoda
10/8/2018 1:52:39 PM



#78
n-propylbenzene
Concen: 13.855 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. -0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.6	31.8





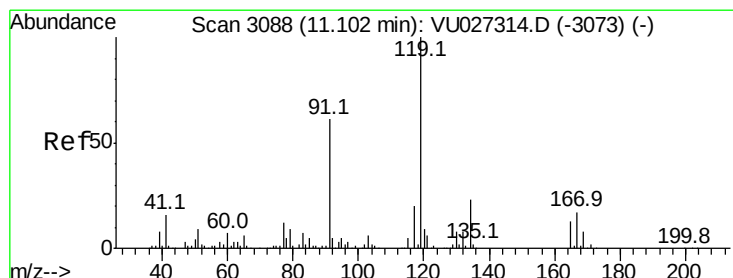
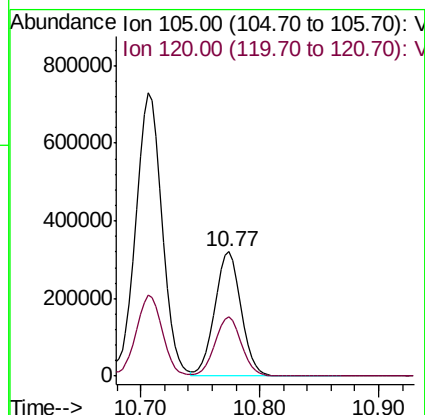
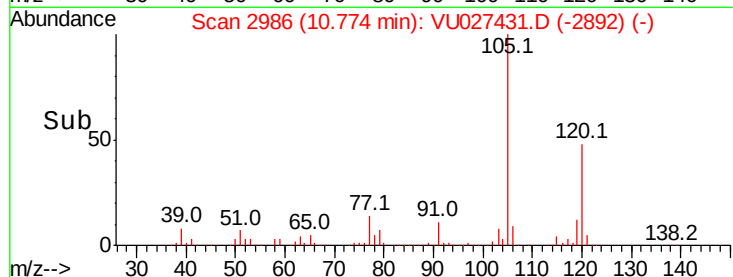
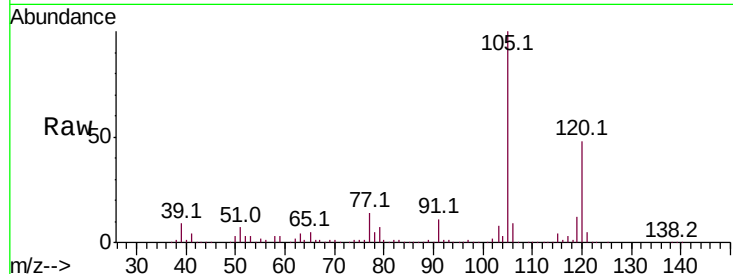
#80
 1,3,5-Trimethylbenzene
 Concen: 76.685 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027431.D
 Acq: 05 Oct 2018 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-D-092718

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.4

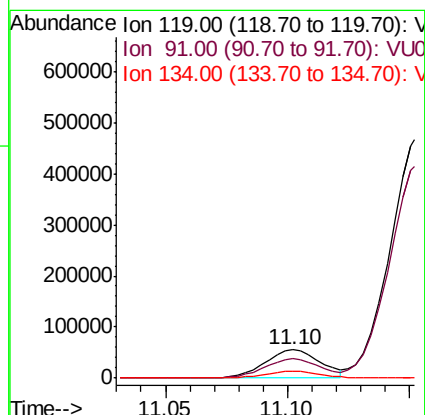
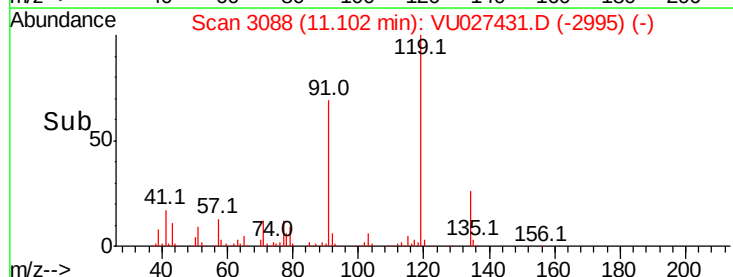
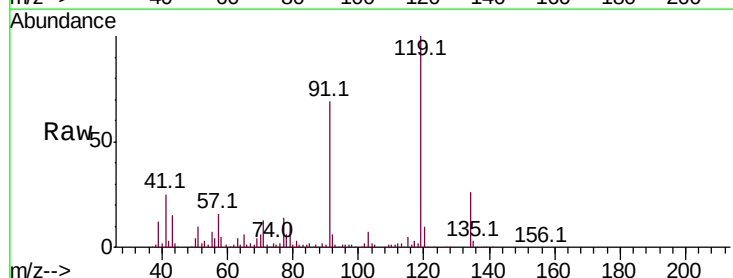
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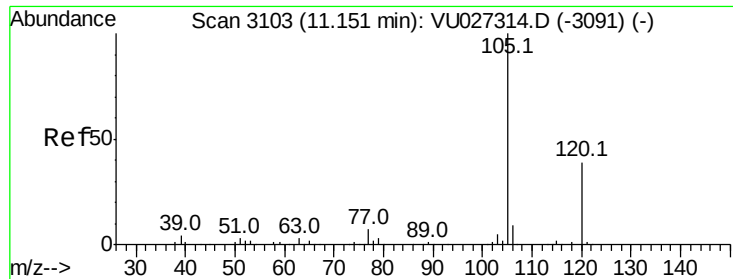
MMDadoda
 10/8/2018 1:52:39 PM



#83
 tert-Butylbenzene
 Concen: 13.965 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027431.D
 Acq: 05 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
119	100		
91	69.7	30.3	91.0
134	25.5	11.5	34.4





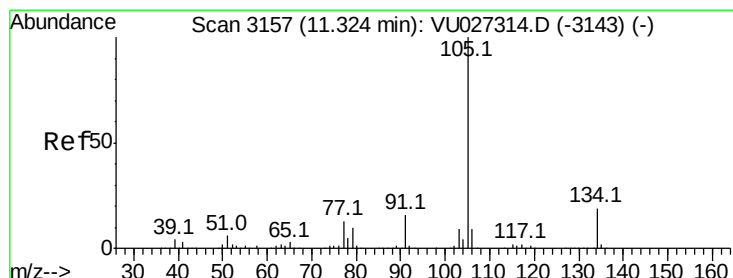
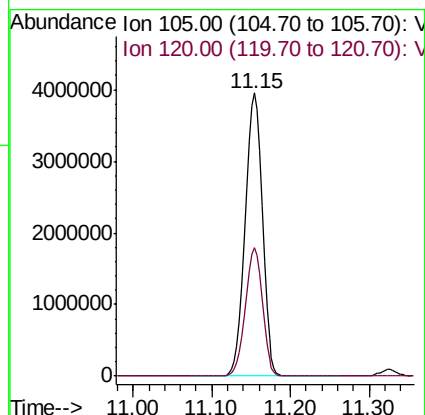
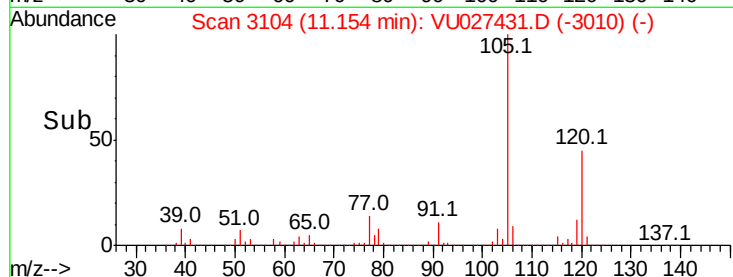
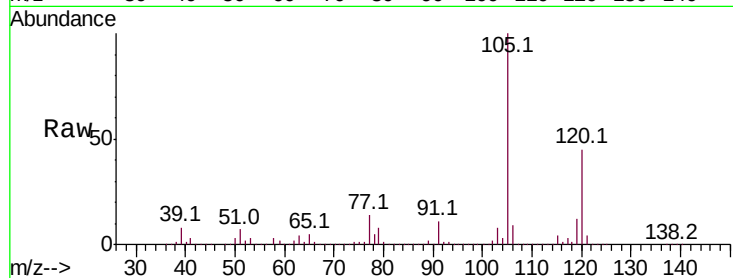
#84
1,2,4-Trimethylbenzene
Concen: 919.258 ug/l
RT: 11.15 min Scan# 3104
Delta R.T. 0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

Tot Ion:105 Resp: 6015091
Ion Ratio Lower Upper
105 100
120 45.0 22.1 66.5

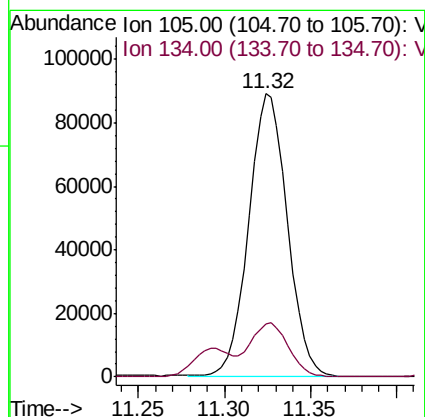
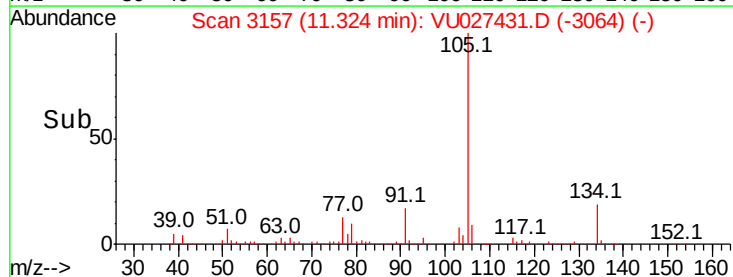
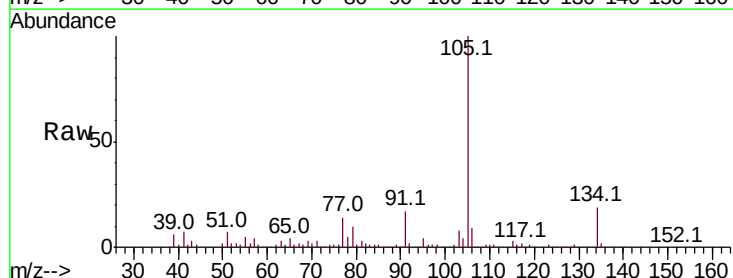
Manual Integrations
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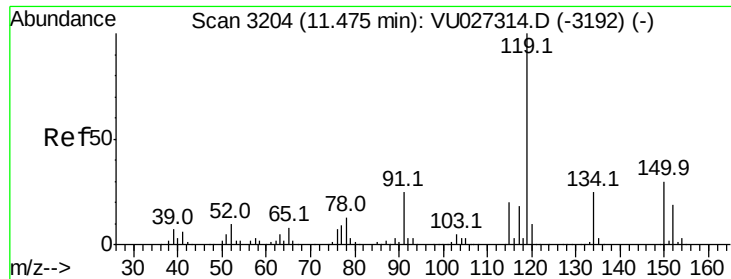
MMDadoda
10/8/2018 1:52:39 PM



#85
sec-Butylbenzene
Concen: 18.006 ug/l m
RT: 11.32 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Tgt Ion:105 Resp: 140493
Ion Ratio Lower Upper
105 100
134 0.0 9.6 28.6#





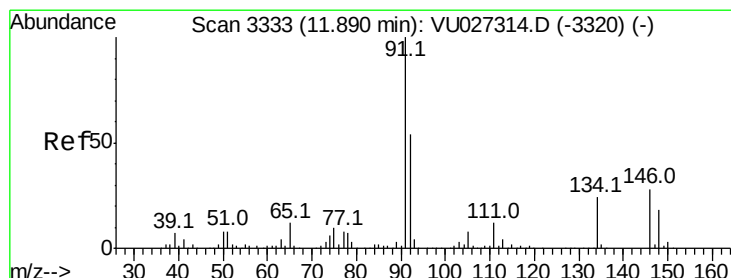
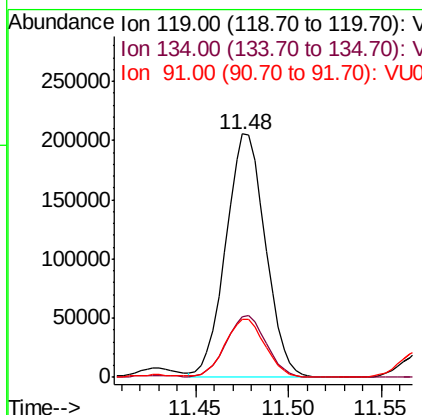
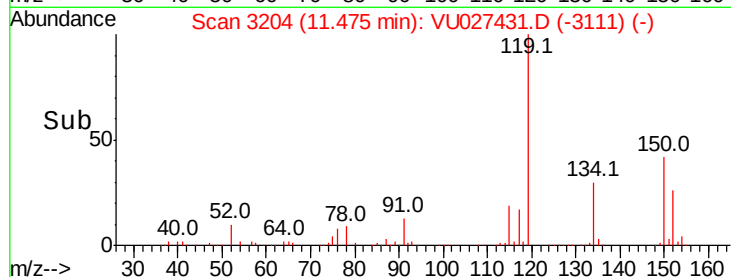
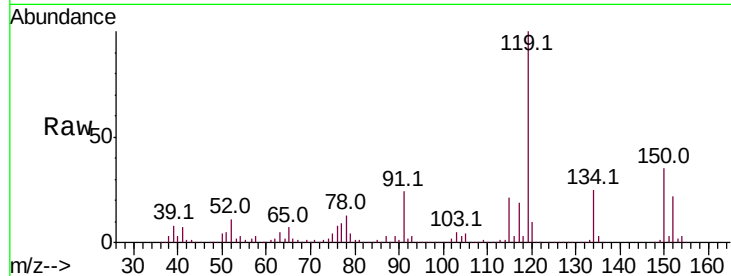
#86
 p-Isopropyltoluene
 Concen: 45.815 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027431.D
 Acq: 05 Oct 2018 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-D-092718

Tot Ion	Ratio	Resp	Lower	Upper
119	100	306074		
134	25.5	12.7	38.1	
91	24.1	12.2	36.4	

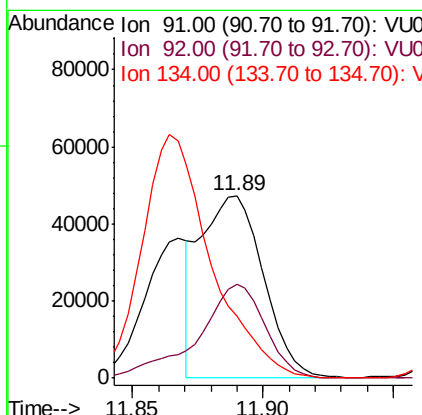
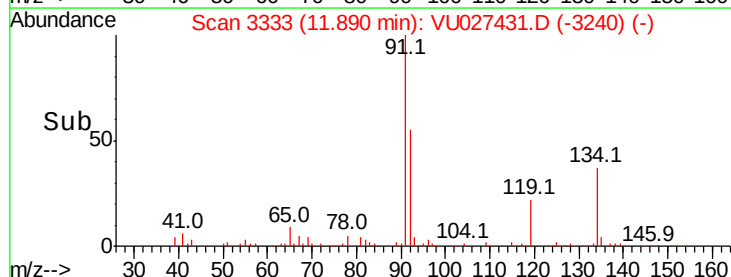
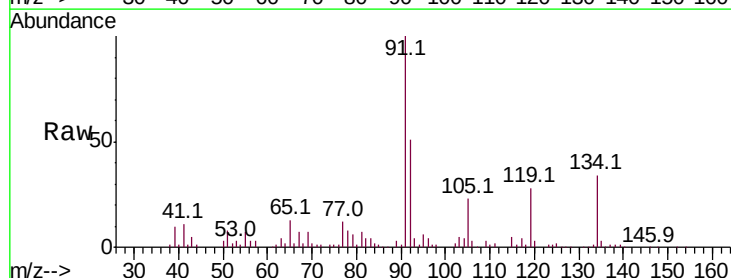
Manual Integrations
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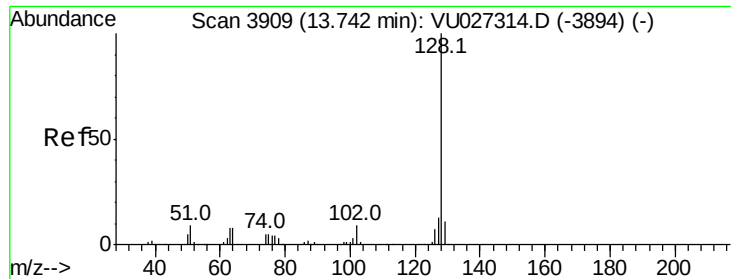
MMDadoda
 10/8/2018 1:52:39 PM



#89
 n-Butylbenzene
 Concen: 12.679 ug/l m
 RT: 11.89 min Scan# 3333
 Delta R.T. -0.00 min
 Lab File: VU027431.D
 Acq: 05 Oct 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	79149		
92	55.5	27.0	81.0	
134	0.0	11.7	35.1#	





#95
Naphthalene
Concen: 2.582 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027431.D
Acq: 05 Oct 2018 00:17

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

Tot Ion:	128	Resp:	7811
Ion Ratio	Lower	Upper	
128	100		
127	17.8	10.5	15.7#
129	29.3	8.6	12.8#

Manual Integrations
APPROVED

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