

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027280.D
 Acq On : 28 Sep 2018 18:35
 Operator : MD/SY
 Sample : J5084-23
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

Manual Integrations
 APPROVED

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 10/2/2018 1:08:04 PM

Quant Time: Oct 02 07:19:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	132483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	217679	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	212501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	121387	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	114935	43.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.20%	
35) Dibromofluoromethane	4.89	113	82725	43.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.68%	
50) Toluene-d8	7.57	98	352433	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	10.31	95	126706	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	46970	76.853	ug/l #	72
16) Acetone	2.32	43	277514	192.088	ug/l	89
25) 2-Butanone	4.26	43	122429	54.635	ug/l	100
31) Cyclohexane	5.00	56	545251	138.213	ug/l	94
39) Methylcyclohexane	6.42	83	298055	94.408	ug/l	97
40) Benzene	5.39	78	2378492	269.314	ug/l	100
52) Toluene	7.65	92	16591993	3277.546	ug/l #	1
67) Ethyl Benzene	9.25	91	19108716m	2062.402	ug/l	
68) m/p-Xylenes	9.39	106	20594706m	5407.679	ug/l	
69) o-Xylene	9.79	106	8546323	2603.366	ug/l #	1
73) Isopropylbenzene	10.17	105	867946	93.997	ug/l	100
78) n-propylbenzene	10.59	91	2828523	258.887	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	2869223	376.427	ug/l	99
84) 1,2,4-Trimethylbenzene	11.16	105	12848294	1656.328	ug/l	98
85) sec-Butylbenzene	11.33	105	104239m	11.332	ug/l	
86) p-Isopropyltoluene	11.48	119	51906	6.829	ug/l	98
89) n-Butylbenzene	11.88	91	302846	36.854	ug/l #	29
95) Naphthalene	13.75	128	6278288	605.312	ug/l	100

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

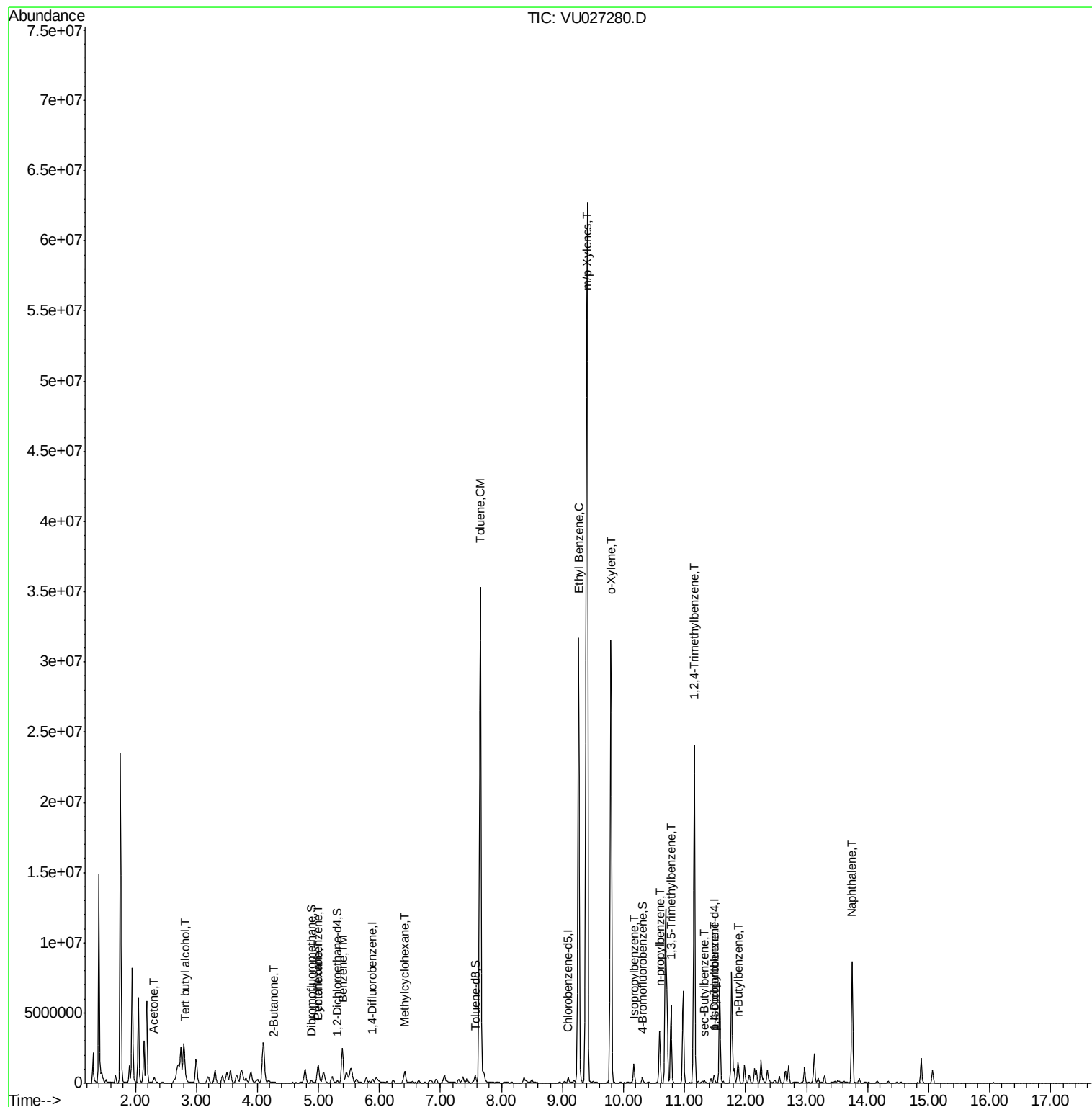
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092818\
Data File : VU027280.D
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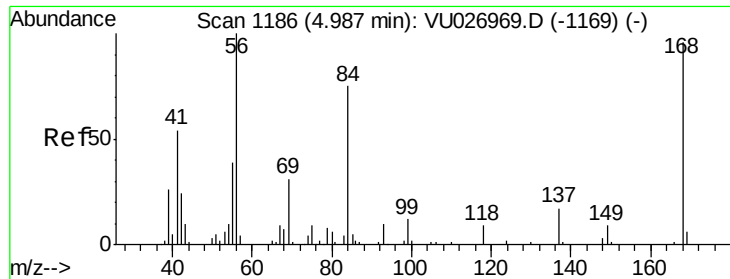
Instrument :
MSVOA_U
ClientSampleId :
B-7(TW-1)

Manual Integrations
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Quant Time: Oct 02 07:19:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 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: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

Tot Ion:168 Resp: 132483

Ion Ratio Lower Upper

168 100

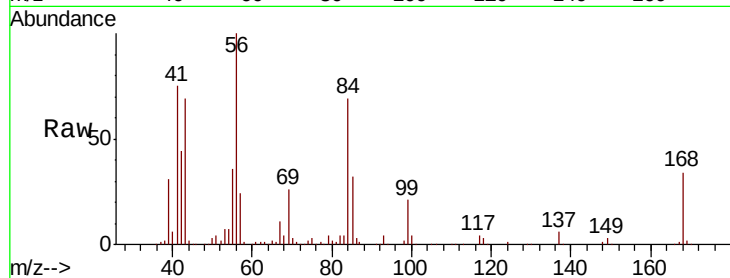
99 61.8 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

60000

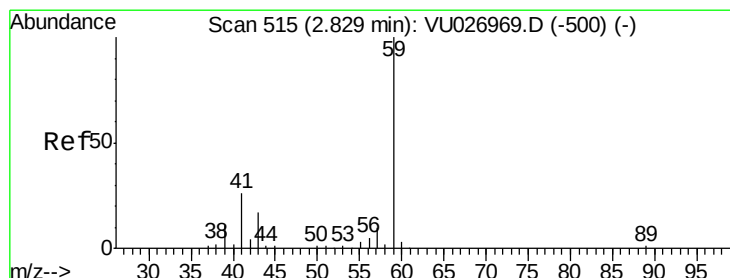
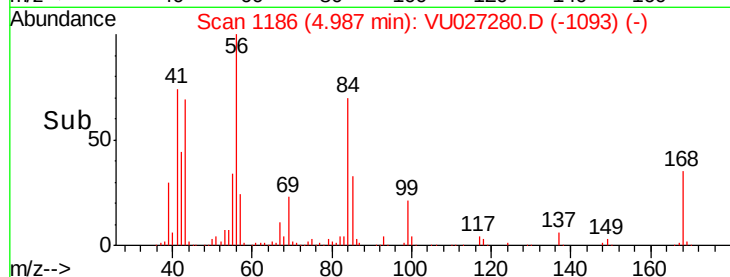
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 76.853 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU027280.D

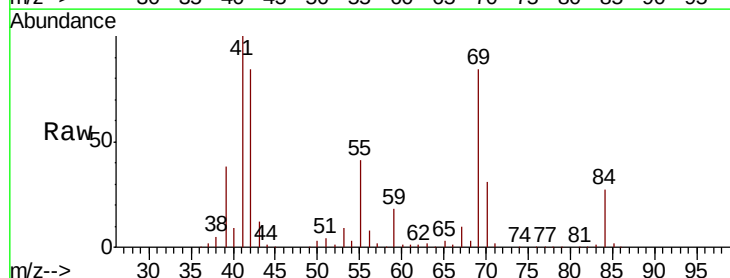
Acq: 28 Sep 2018 18:35

Tgt Ion: 59 Resp: 46970

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.83

600000

500000

400000

300000

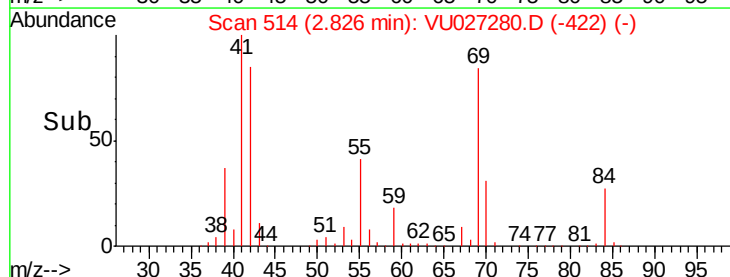
200000

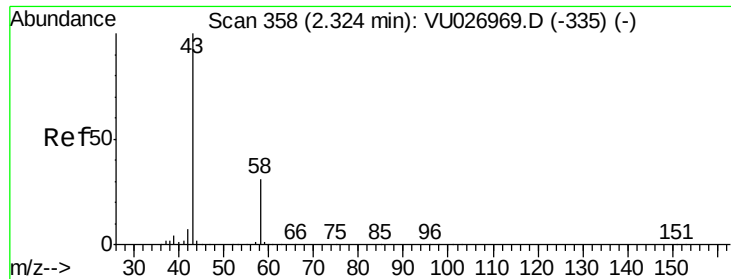
100000

0

2.70 2.80 2.90

Time-->





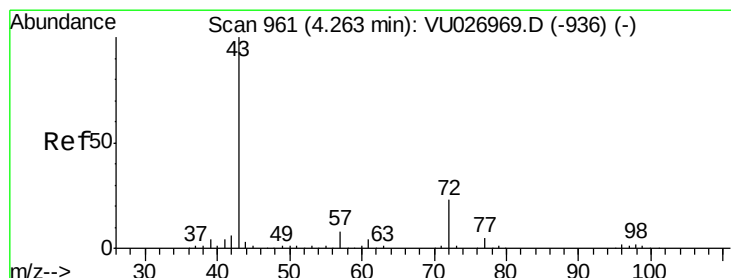
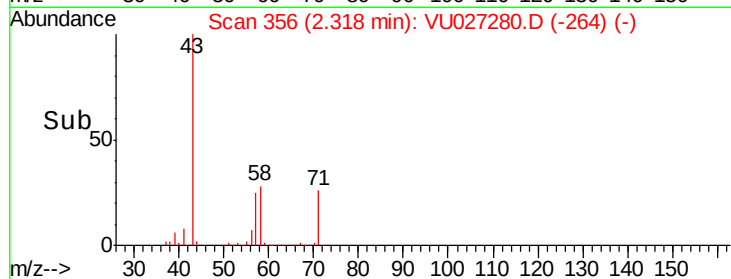
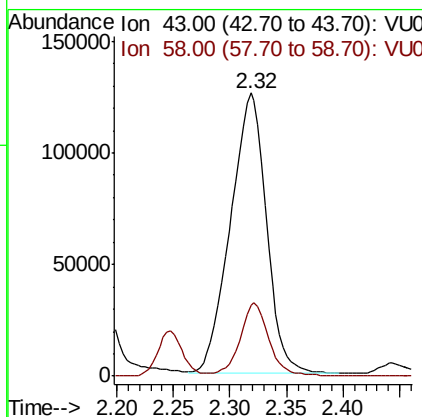
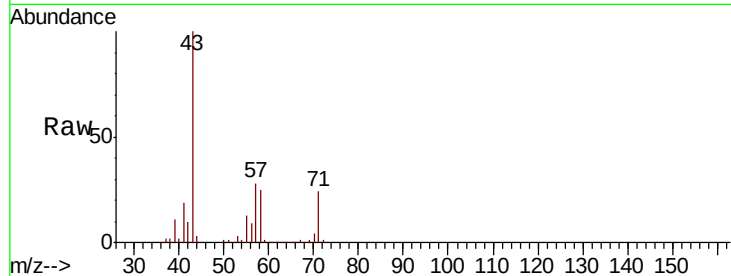
#16
Acetone
Concen: 192.088 ug/l
RT: 2.32 min Scan# 356
Delta R.T. -0.01 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Instrument :
MSVOA_U
ClientSampled :
B-7(TW-1)

Tot Ion	Ratio	Lower	Upper
43	100		
58	24.9	24.6	36.8

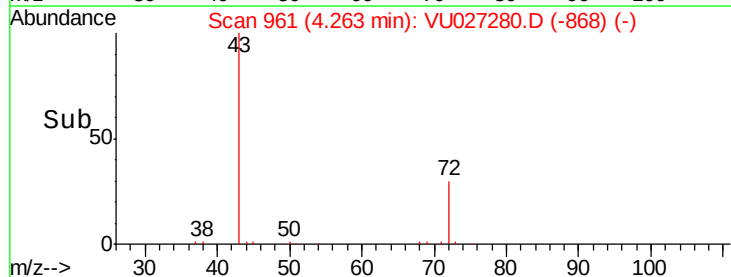
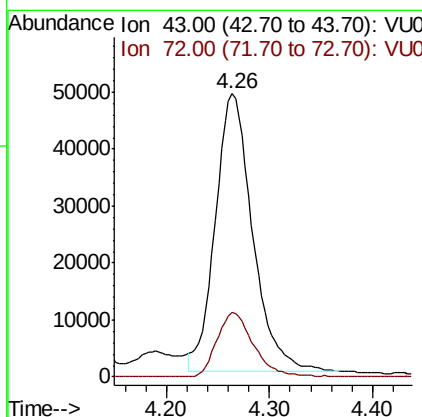
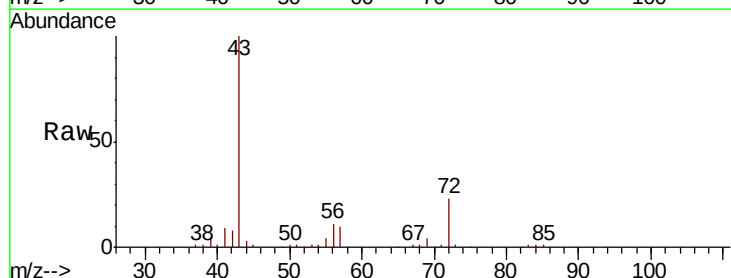
Manual Integrations
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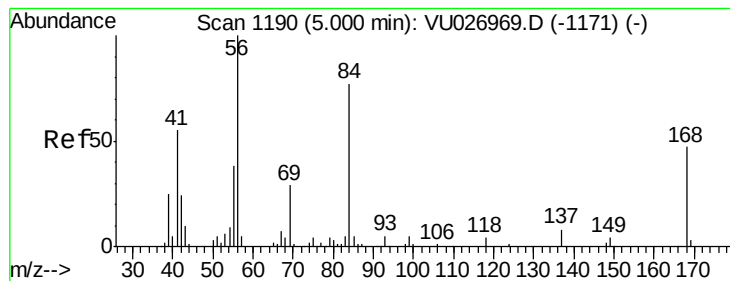
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#25
2-Butanone
Concen: 54.635 ug/l
RT: 4.26 min Scan# 961
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6





#31

Cyclohexane

Concen: 138.213 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

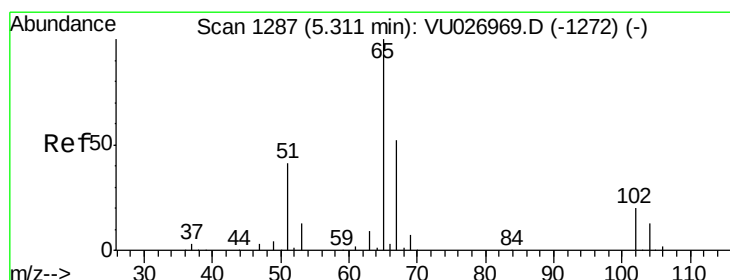
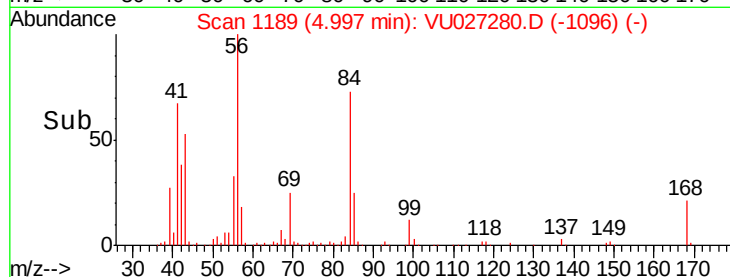
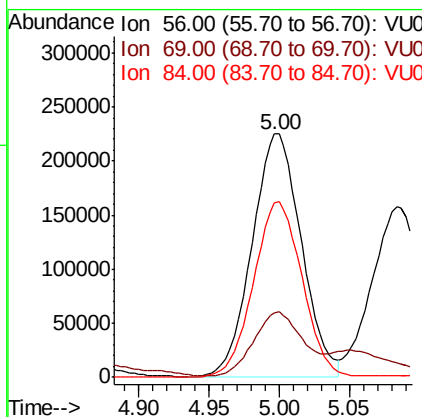
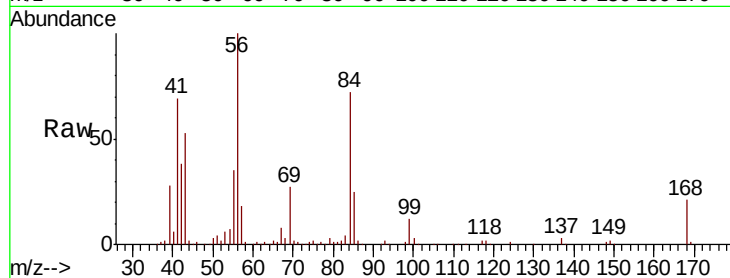
ClientSampleId :

B-7(TW-1)

Tot Ion:	56	Resp:	545251
Ion Ratio	Lower	Upper	
56	100		
69	25.7	23.0	34.4
84	71.8	61.4	92.2

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 43.104 ug/l

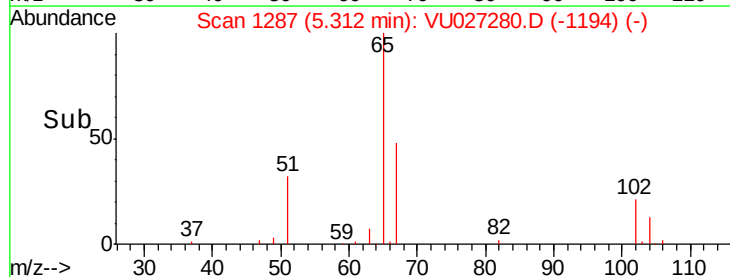
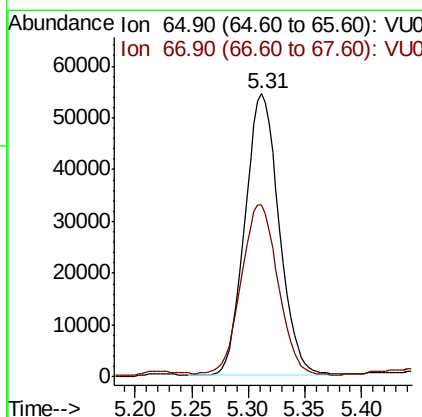
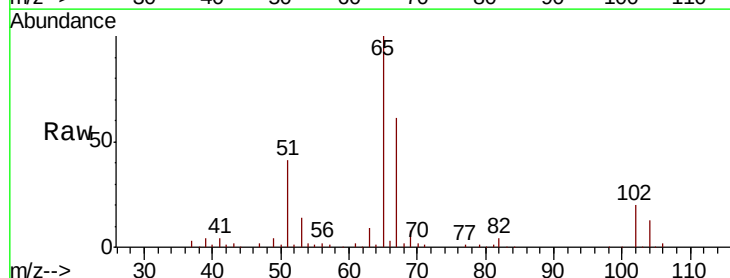
RT: 5.31 min Scan# 1287

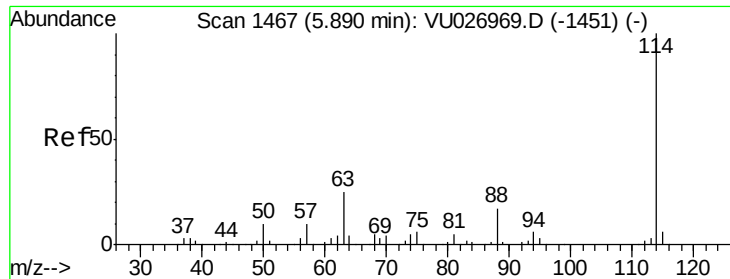
Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Tgt Ion:	65	Resp:	114935
Ion Ratio	Lower	Upper	
65	100		
67	64.5	0.0	105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

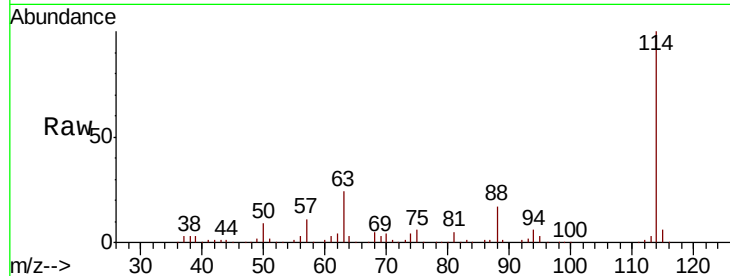
ClientSampleId :

B-7(TW-1)

Tot Ion:	114	Resp:	217679
Ion Ratio	Lower	Upper	
114	100		
63	23.7	0.0	49.2
88	16.8	0.0	33.8

Manual Integrations
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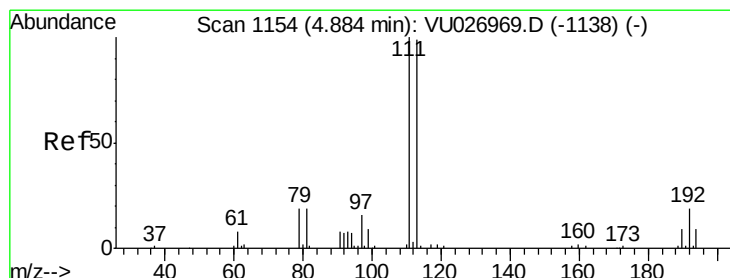
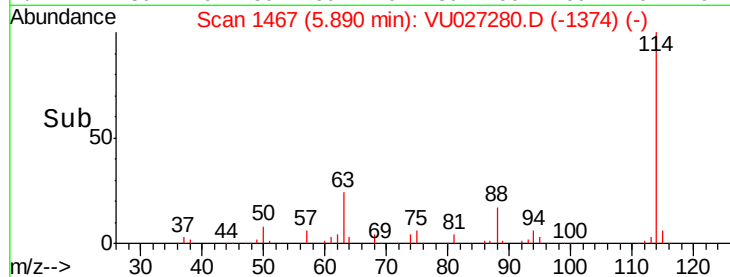
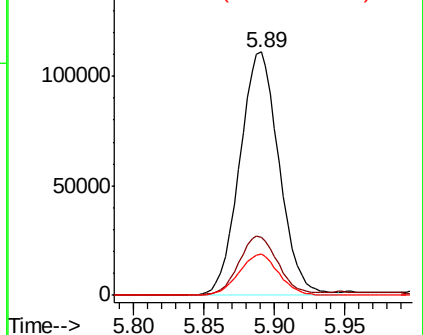
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 43.843 ug/l

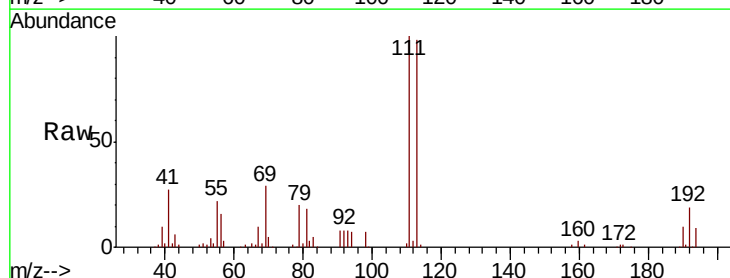
RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

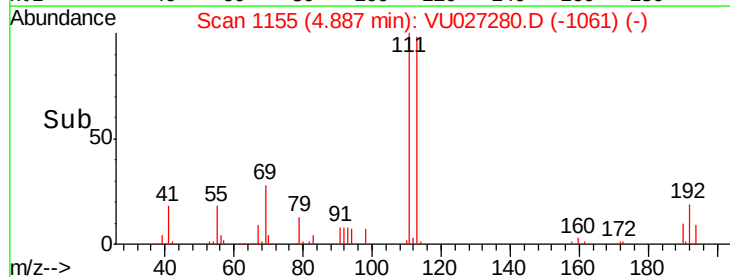
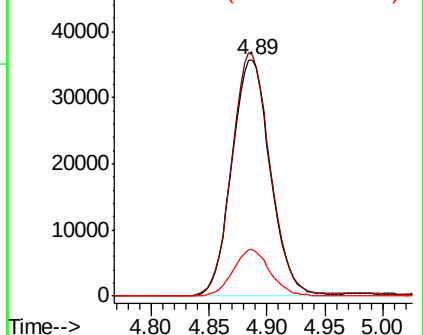
Tgt Ion:	113	Resp:	82725
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.2	123.4
192	19.0	15.2	22.8

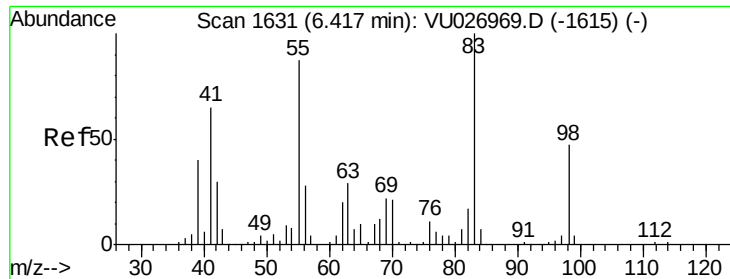


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





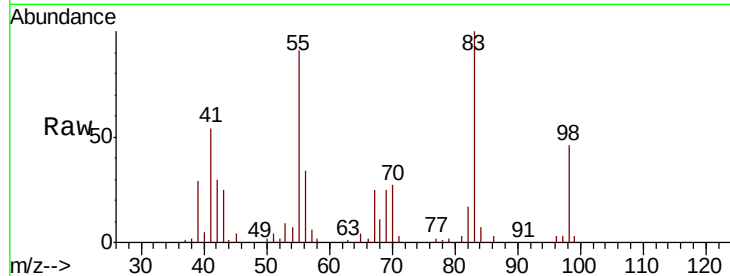
#39
Methylvlcyclohexane
Concen: 94.408 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Instrument :
MSVOA_U
ClientSampleId :
B-7(TW-1)

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	90.7	69.9	104.9	
98	45.7	37.5	56.3	

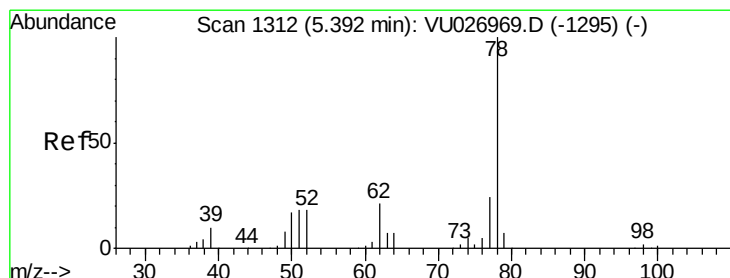
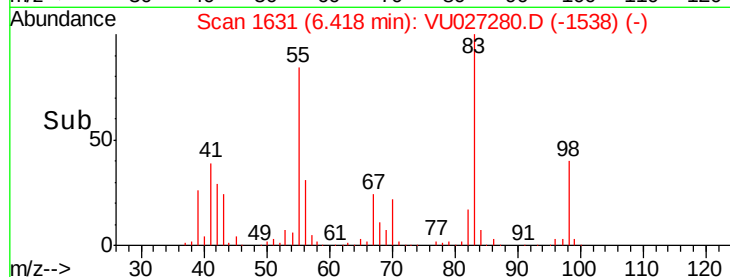
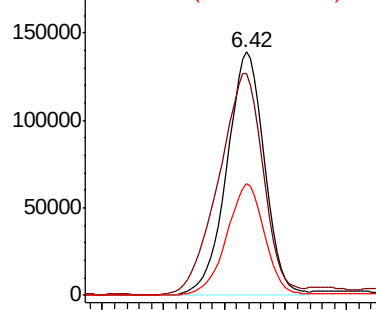
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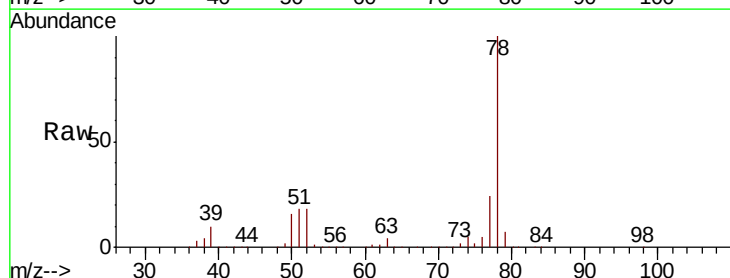
Abundance

Ion 83.00 (82.70 to 83.70): VU026969.D (-1615) (-)



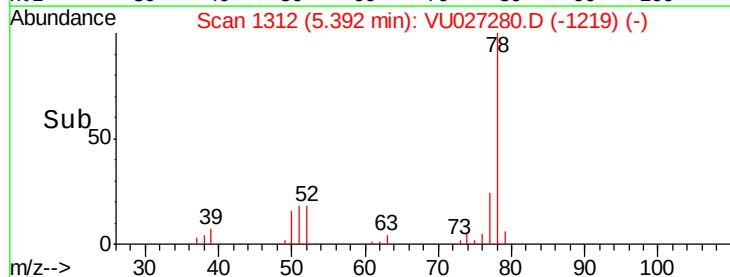
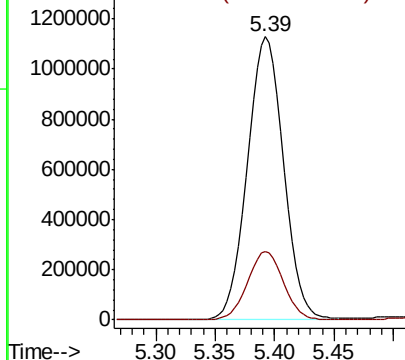
#40
Benzene
Concen: 269.314 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

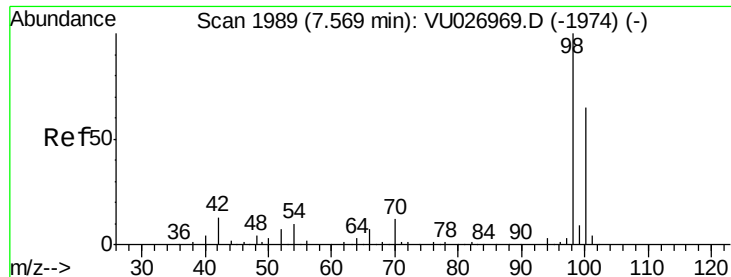
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.4	29.0	



Abundance

Ion 78.00 (77.70 to 78.70): VU026969.D (-1295) (-)





#50

Toluene-d8

Concen: 49.011 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

Tot Ion: 98 Resp: 352433

Ion Ratio Lower Upper

98 100

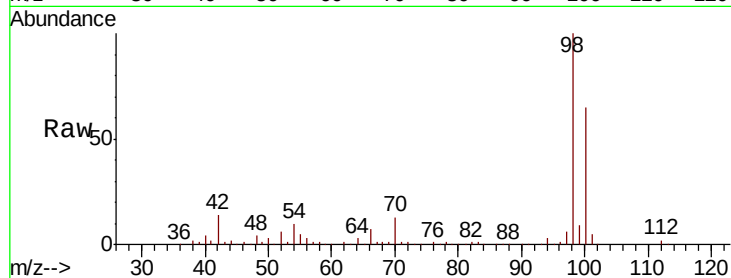
100 65.7 52.1 78.1

Manual Integrations

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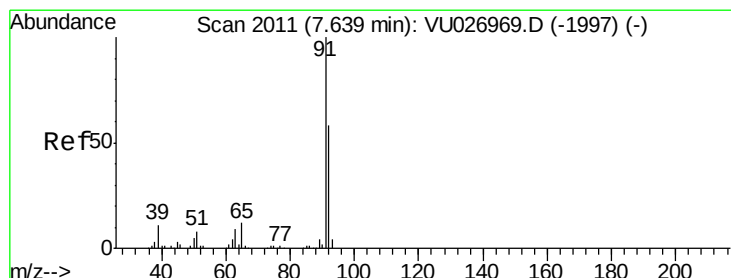
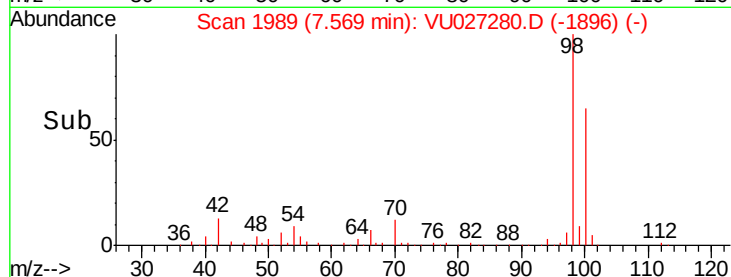
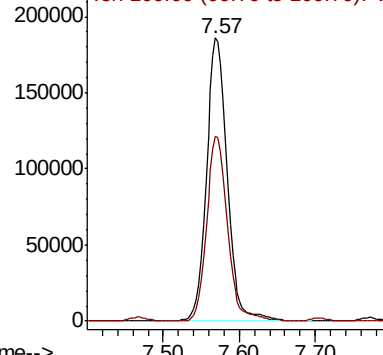
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Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU



#52

Toluene

Concen: 3277.546 ug/l

RT: 7.65 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VU027280.D

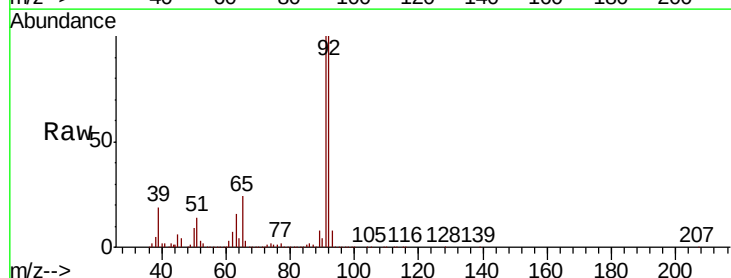
Acq: 28 Sep 2018 18:35

Tgt Ion: 92 Resp:16591993

Ion Ratio Lower Upper

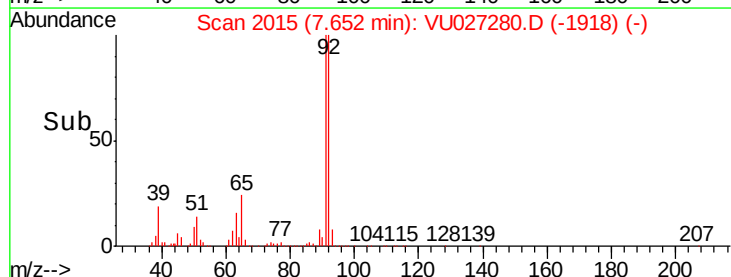
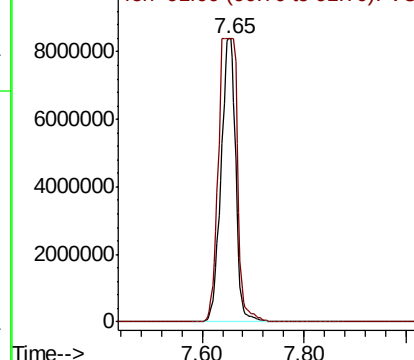
92 100

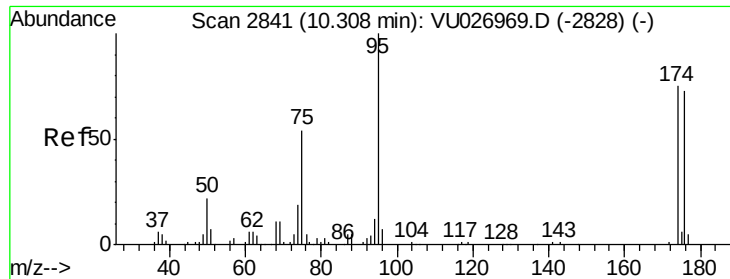
91 0.0 136.4 204.6#



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





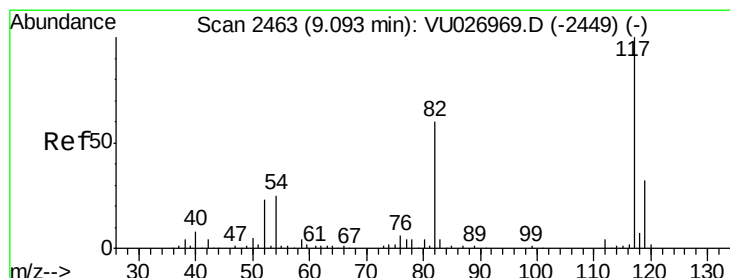
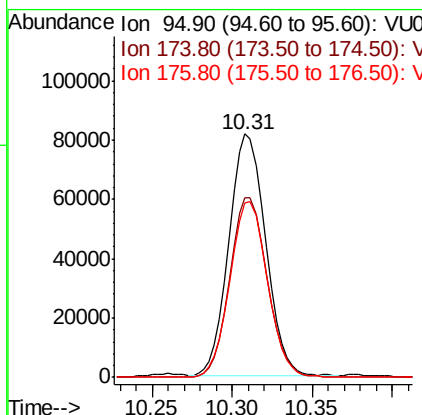
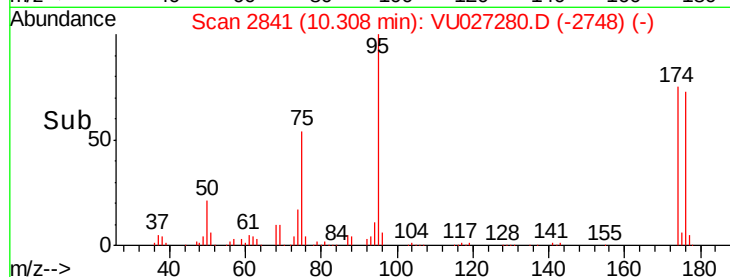
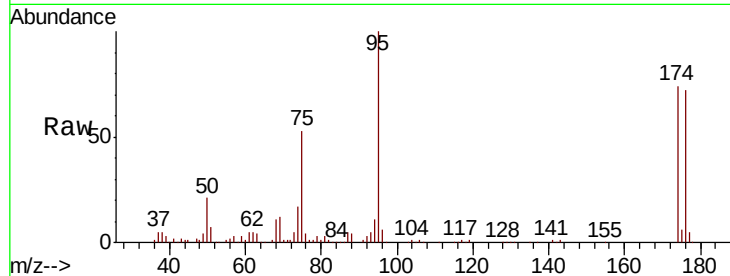
#62
4-Bromofluorobenzene
Concen: 51.352 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Instrument :
MSVOA_U
ClientSampled :
B-7(TW-1)

Tot Ion	Ratio	Resp	Lower	Upper
95	100	126706		
174	76.5	0.0	150.2	
176	74.9	0.0	145.2	

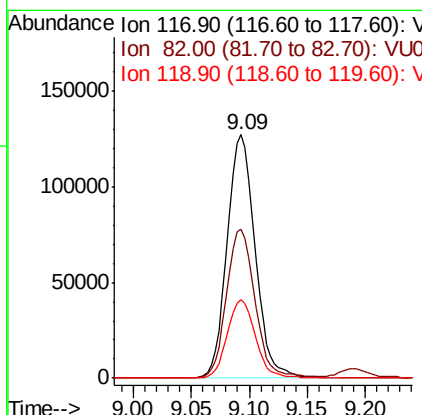
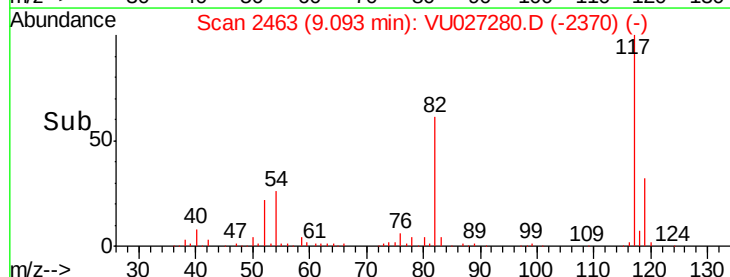
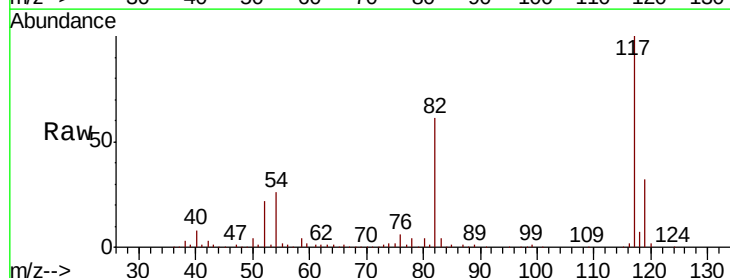
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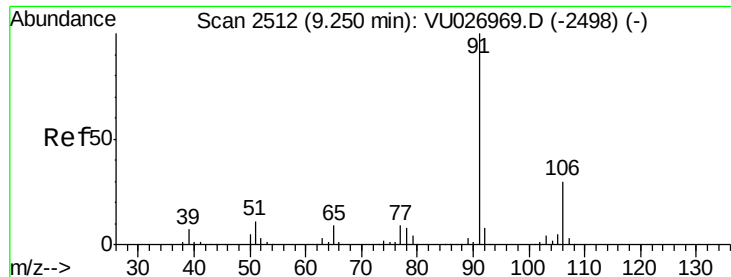
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	212501		
82	61.1	48.0	72.0	
119	32.0	25.8	38.8	





#67

Ethyl Benzene

Concen: 2062.402 ug/l m

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

Tot Ion: 91 Resp:19108716

Ion Ratio Lower Upper

91 100

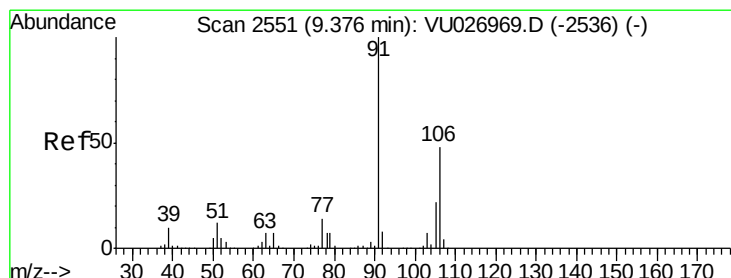
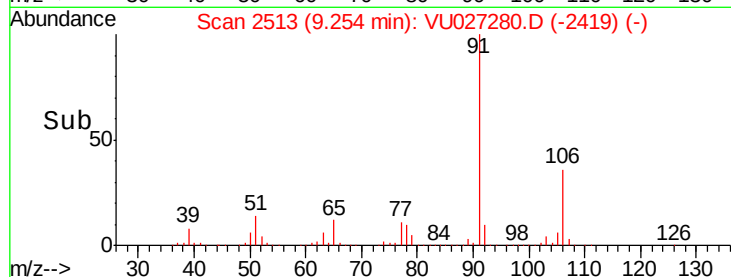
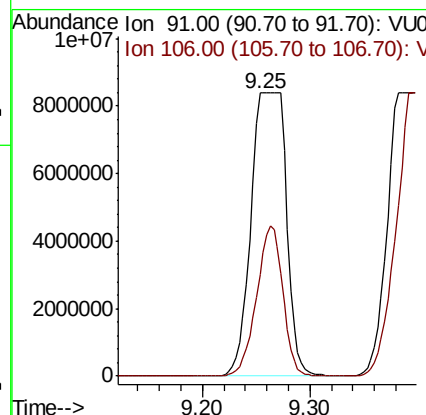
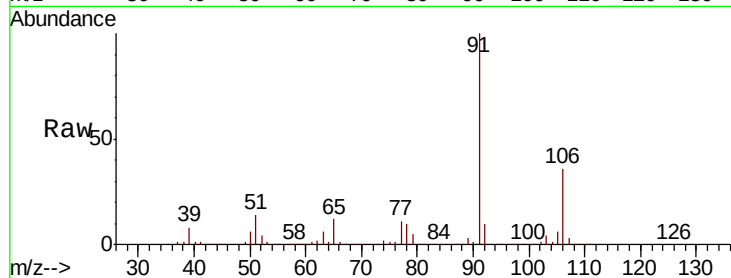
106 35.8 23.8 35.8#

Manual Integrations

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#68

m/p-Xylenes

Concen: 5407.679 ug/l m

RT: 9.39 min Scan# 2556

Delta R.T. 0.02 min

Lab File: VU027280.D

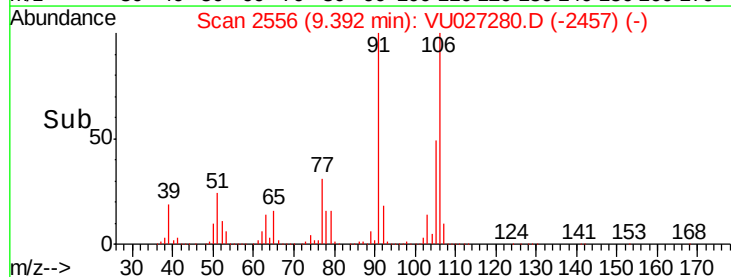
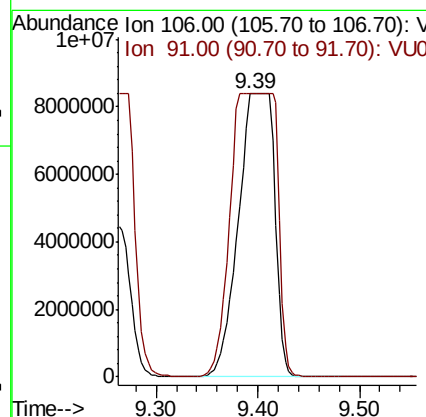
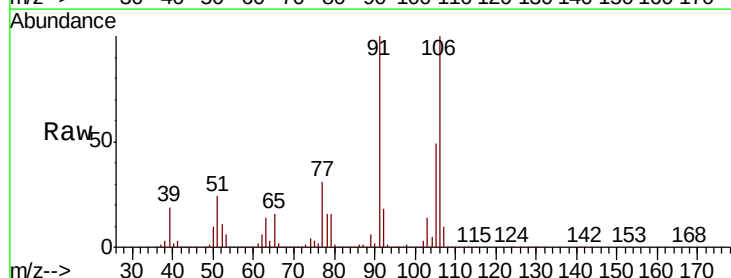
Acq: 28 Sep 2018 18:35

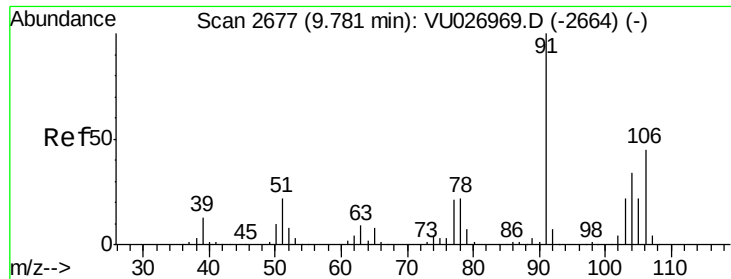
Tgt Ion:106 Resp:20594706

Ion Ratio Lower Upper

106 100

91 0.0 166.5 249.7#





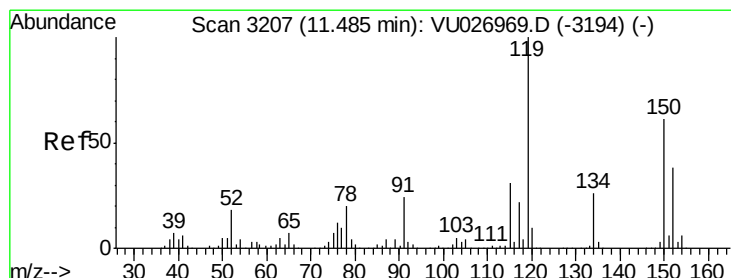
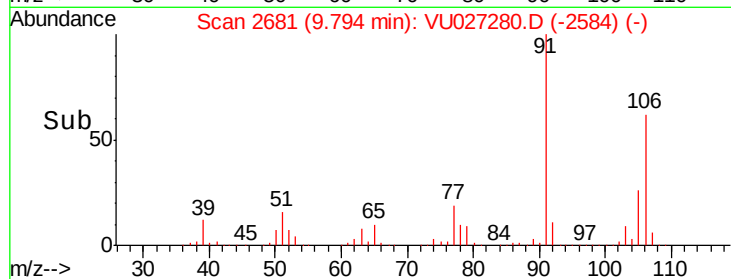
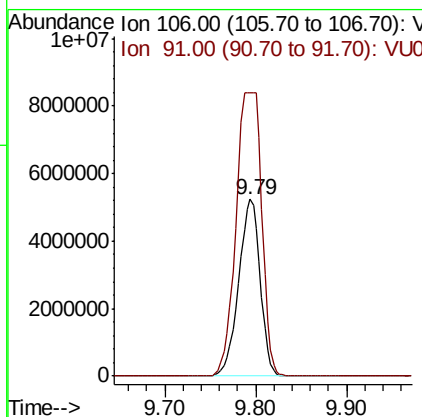
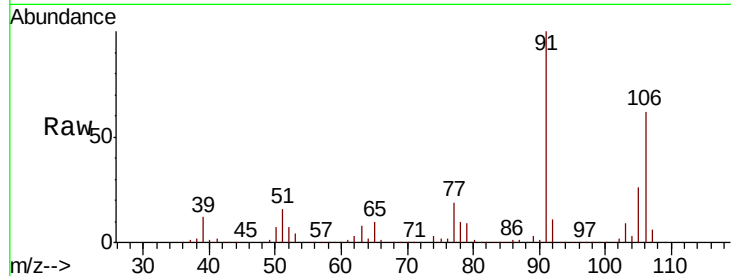
#69
o-Xylene
Concen: 2603.366 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.01 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Instrument :
MSVOA_U
ClientSampled :
B-7(TW-1)

Tot Ion:106 Resp: 8546323
Ion Ratio Lower Upper
106 100
91 0.0 110.2 330.6#

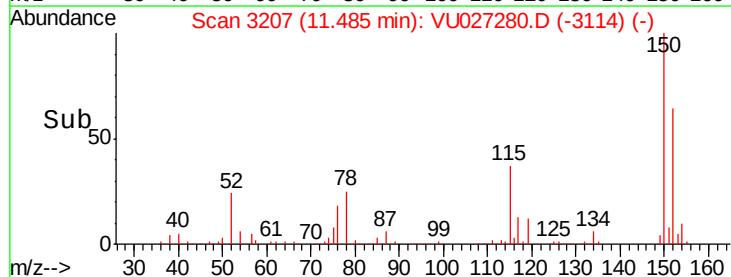
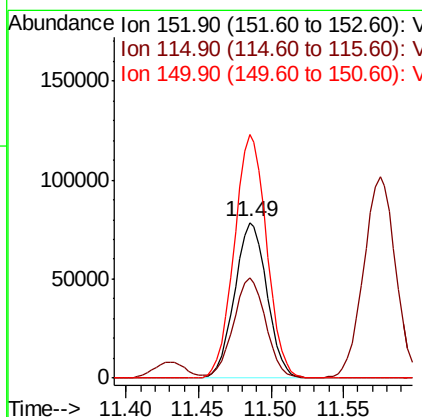
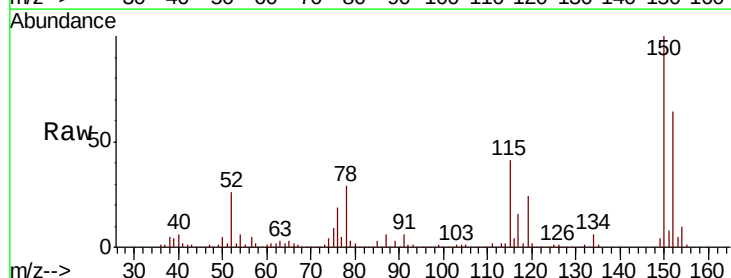
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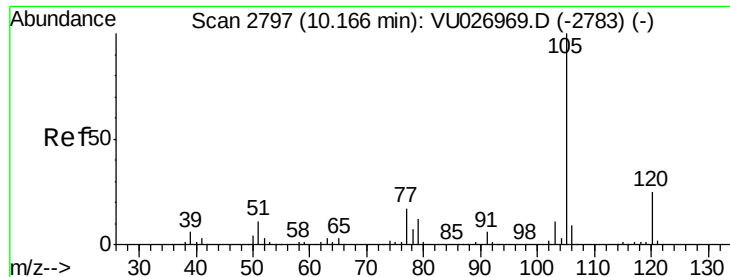
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Tgt Ion:152 Resp: 121387
Ion Ratio Lower Upper
152 100
115 63.4 44.9 134.5
150 156.9 0.0 355.8





#73

Isopropylbenzene

Concen: 93.997 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

Tot Ion:105 Resp: 867946

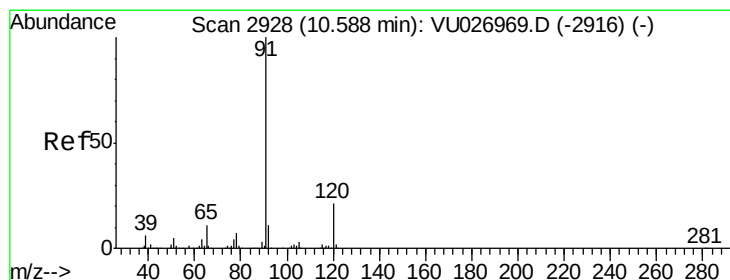
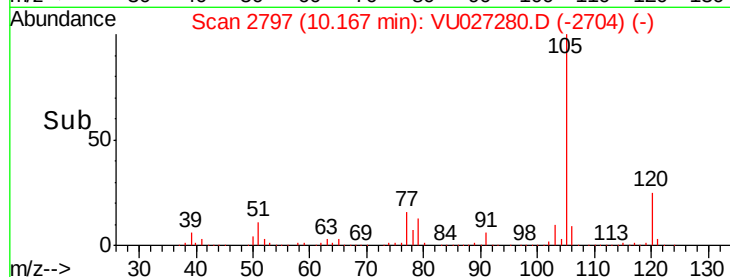
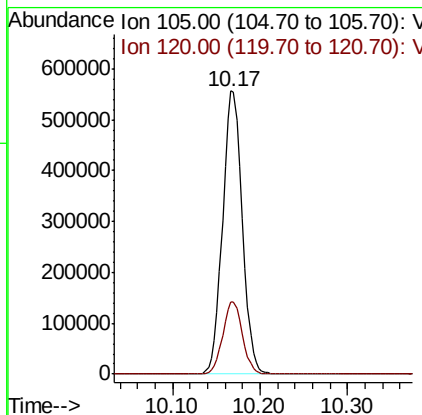
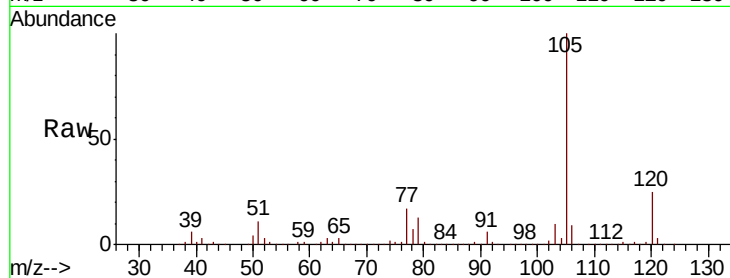
Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.4

Manual Integrations
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#78

n-propylbenzene

Concen: 258.887 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027280.D

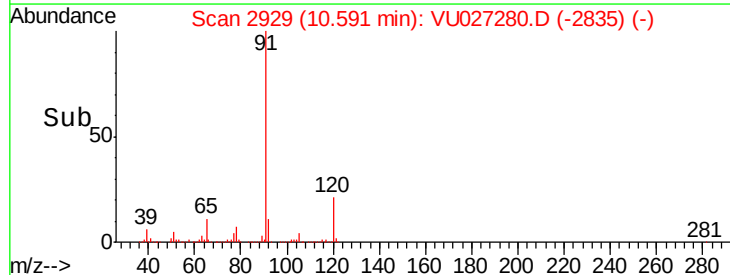
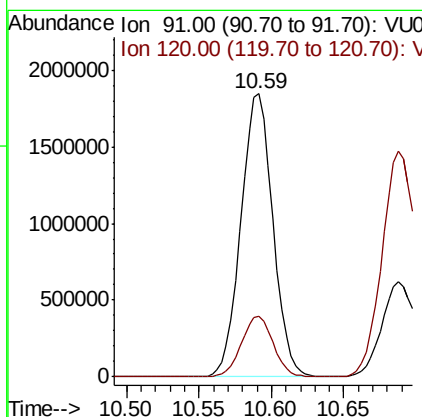
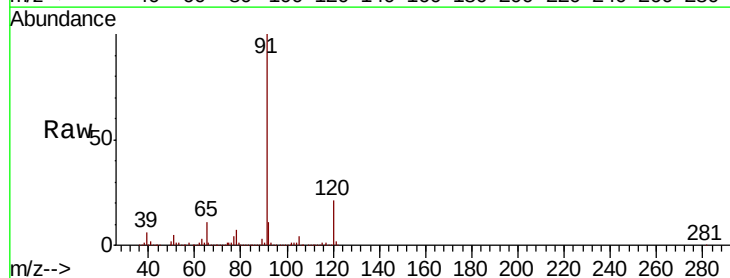
Acq: 28 Sep 2018 18:35

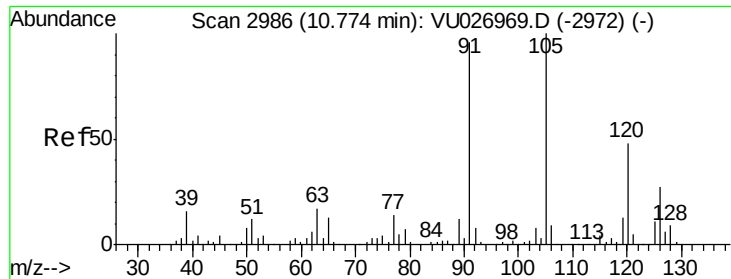
Tgt Ion: 91 Resp: 2828523

Ion Ratio Lower Upper

91 100

120 21.4 10.6 31.8





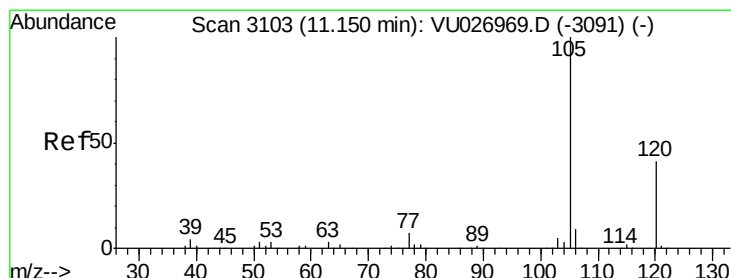
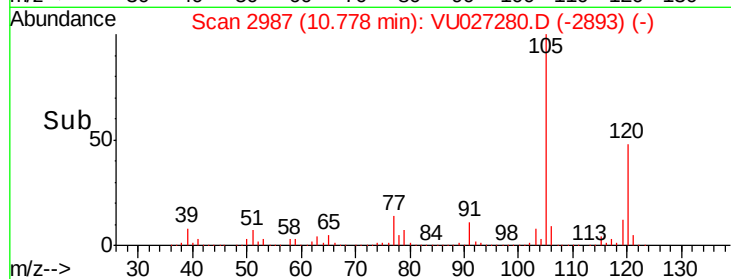
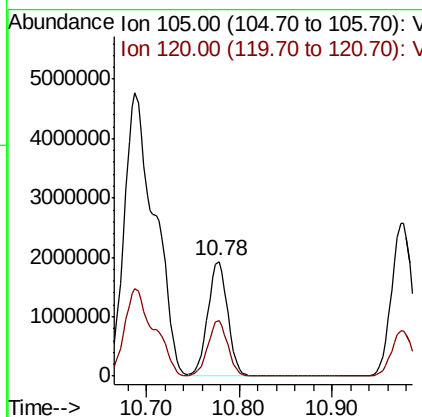
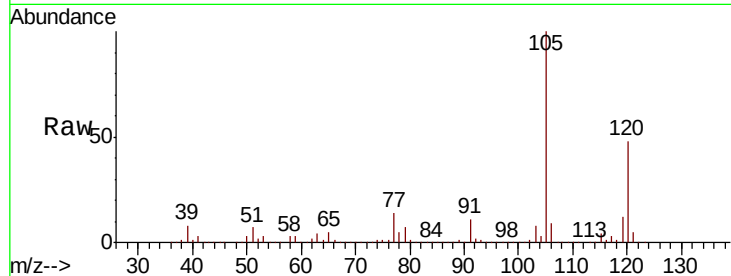
#80
 1,3,5-Trimethylbenzene
 Concen: 376.427 ug/l
 RT: 10.78 min Scan# 2987
 Delta R.T. 0.00 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Instrument :
 MSVOA_U
 ClientSampled :
 B-7(TW-1)

Tot Ion:105 Resp: 2869223
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.9 71.7

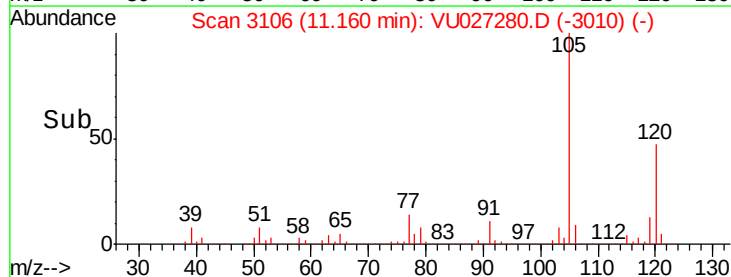
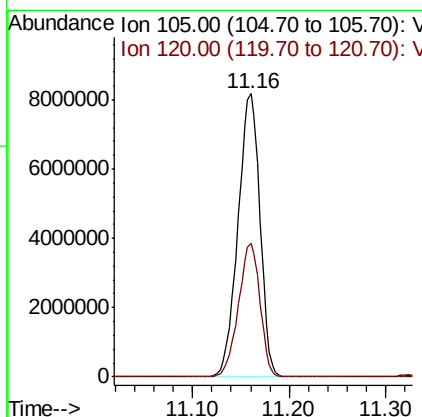
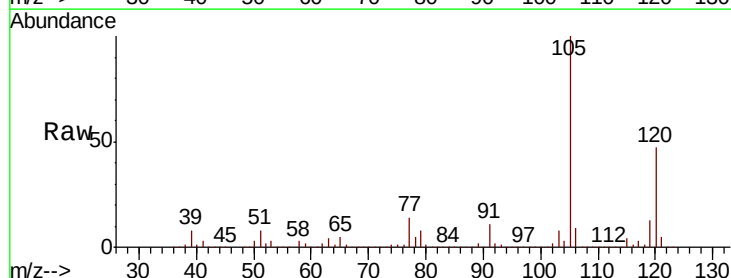
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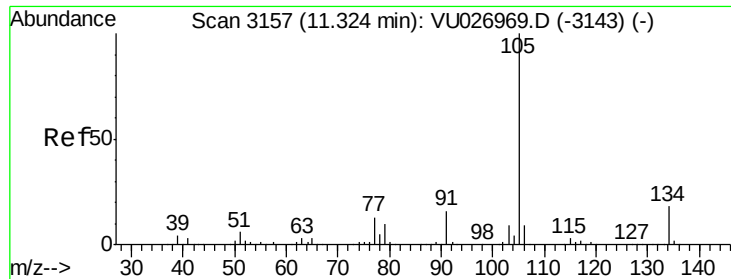
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#84
 1,2,4-Trimethylbenzene
 Concen: 1656.328 ug/l
 RT: 11.16 min Scan# 3106
 Delta R.T. 0.01 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Tgt Ion:105 Resp:12848294
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.4 67.2





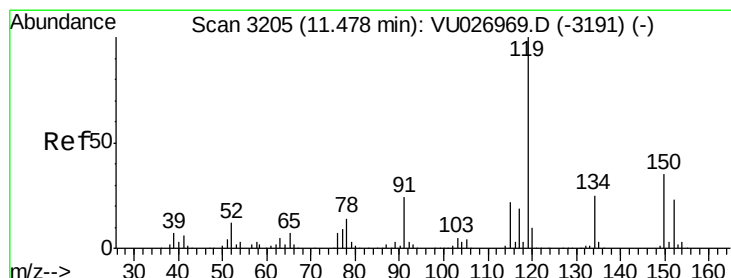
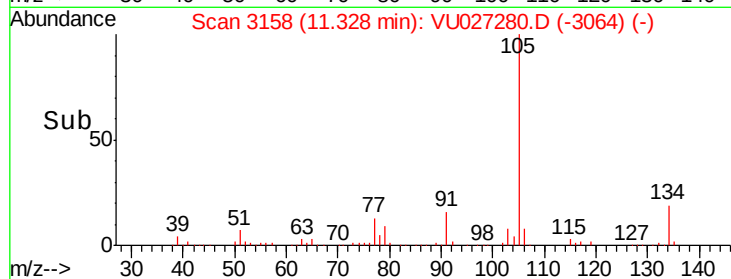
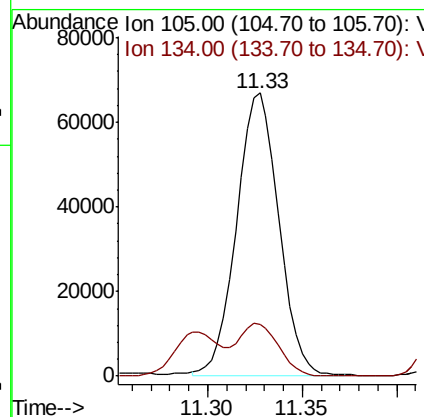
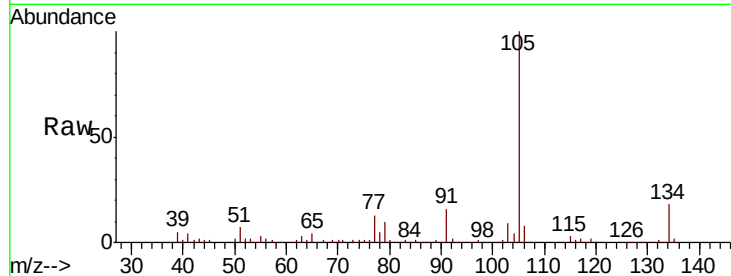
#85
 sec-Butylbenzene
 Concen: 11.332 ug/l m
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

Tot Ion:105 Resp: 104239
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#

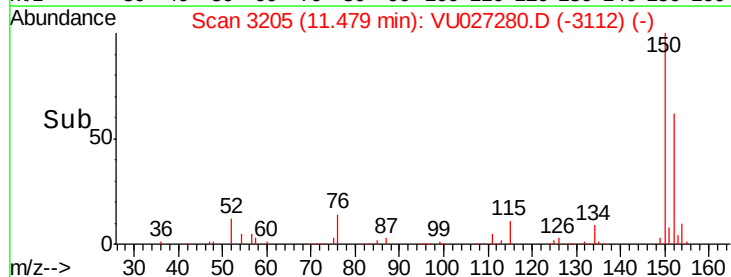
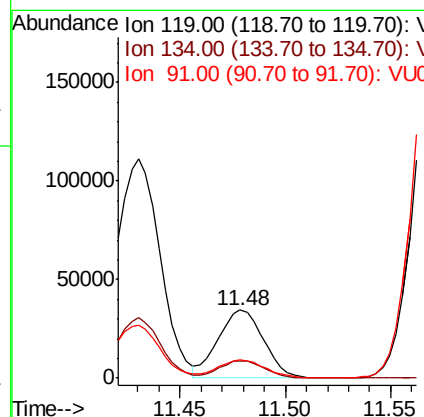
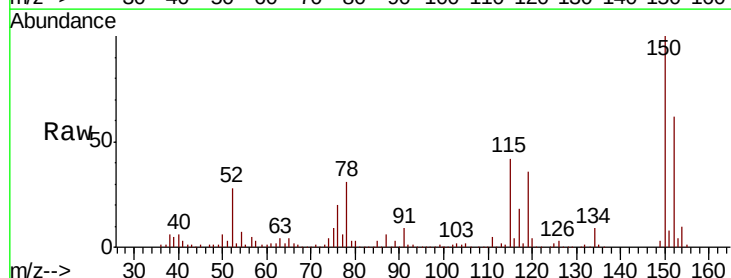
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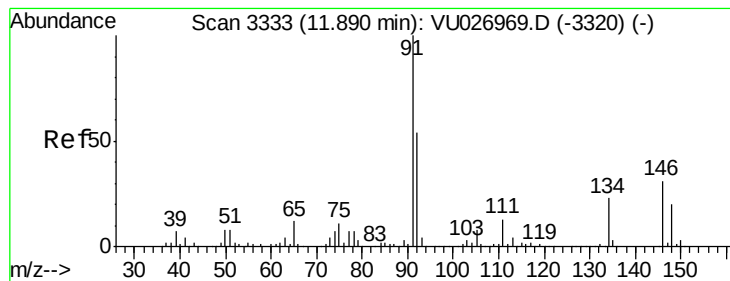
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 6.829 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Tgt Ion:119 Resp: 51906
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.3
 91 26.5 12.3 36.8





#89

n-Butylbenzene

Concen: 36.854 ug/l

RT: 11.88 min Scan# 3331

Delta R.T. -0.01 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

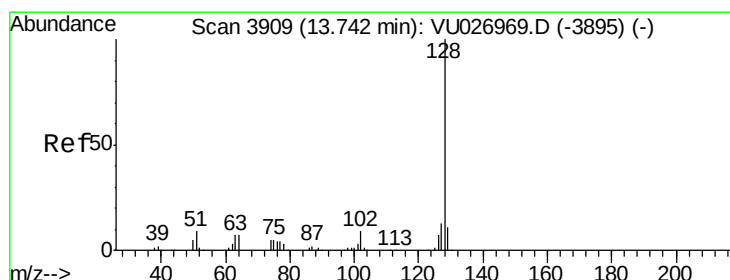
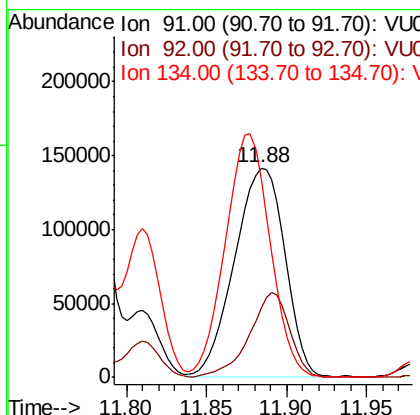
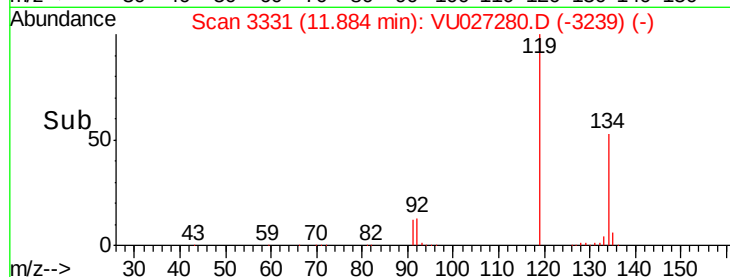
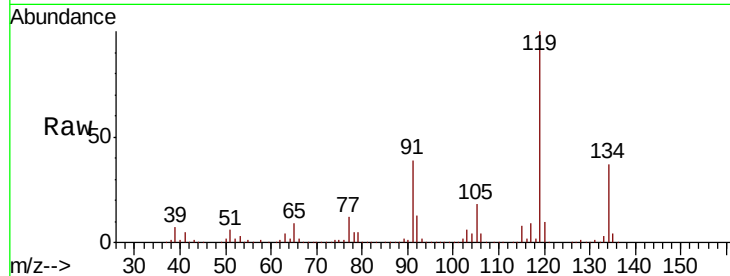
ClientSampled :

B-7(TW-1)

Tot Ion:	91	Resp:	302846
Ion Ratio	Lower	Upper	
91	100		
92	32.9	27.1	81.2
134	104.0	11.7	35.0#

Manual Integrations
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#95

Naphthalene

Concen: 605.312 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Tgt Ion:	128	Resp:	6278288
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	11.1	8.6	12.8

