

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100418\
 Data File : VU027406.D
 Acq On : 04 Oct 2018 14:19
 Operator : MD/SY
 Sample : J5084-04DL 100X
 Misc : 4.21g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(6-6.5)DL

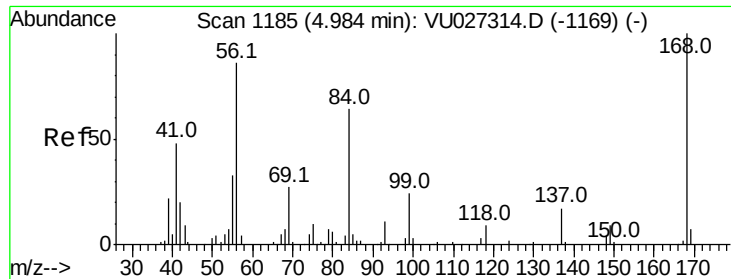
Manual Integrations
 APPROVED

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 10/8/2018 1:52:32 PM

Quant Time: Oct 05 04:33:31 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	99204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	174377	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	100143	60.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.90%	
35) Dibromofluoromethane	4.89	113	70862	59.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.60%	
50) Toluene-d8	7.57	98	274810	61.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.88%	
62) 4-Bromofluorobenzene	10.31	95	103182	62.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.14%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	6.42	83	2085	0.942	ug/l	92
52) Toluene	7.64	92	21368	6.546	ug/l	99
67) Ethyl Benzene	9.25	91	45396	7.152	ug/l	100
68) m/p-Xylenes	9.38	106	93016	40.063	ug/l	100
69) o-Xylene	9.78	106	38646	17.516	ug/l	97
73) Isopropylbenzene	10.17	105	8976	1.284	ug/l	95
78) n-propylbenzene	10.59	91	42419	5.048	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	80341	14.111	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	276521	47.546	ug/l	99
85) sec-Butylbenzene	11.32	105	7151m	1.031	ug/l	
86) p-Isopropyltoluene	11.48	119	3954m	0.666	ug/l	
95) Naphthalene	13.74	128	48272	8.071	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027406.D

Acq: 04 Oct 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

B-7(6-6.5)DL

Tot Ion:168 Resp: 99204

Ion Ratio Lower Upper

168 100

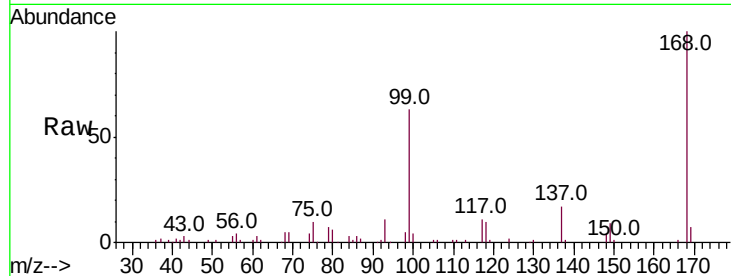
99 62.9 50.8 76.2

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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

40000

30000

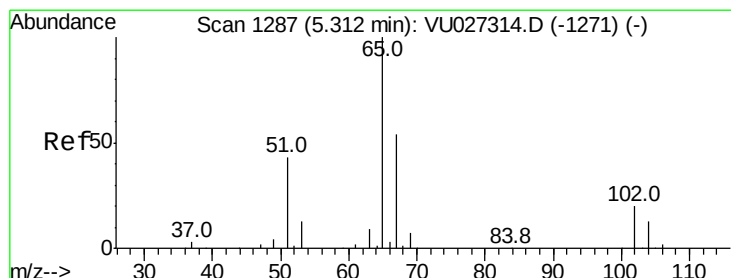
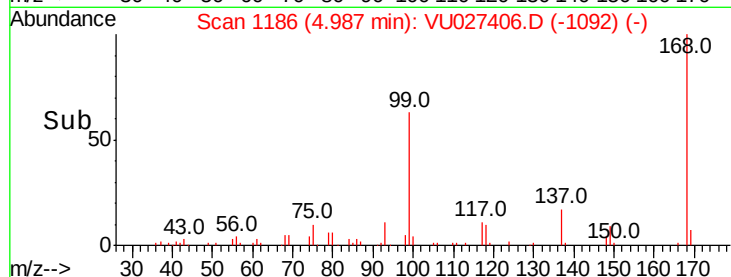
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#33

1,2-Dichloroethane-d4

Concen: 60.453 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027406.D

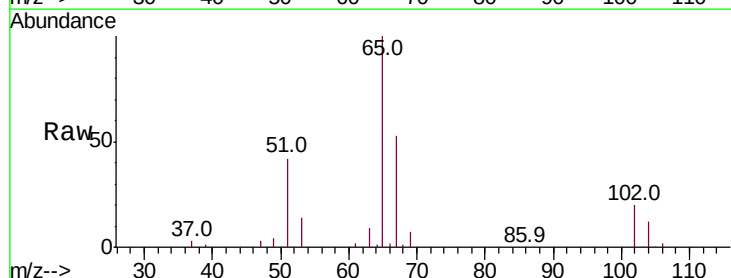
Acq: 04 Oct 2018 14:19

Tgt Ion: 65 Resp: 100143

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU027314.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU027314.D (-1271) (-)

5.31

50000

40000

30000

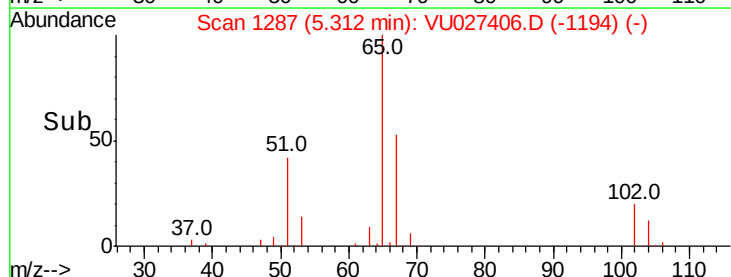
20000

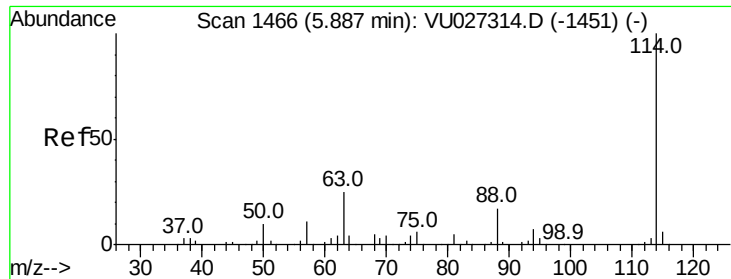
10000

0

5.25 5.30 5.35 5.40

Time-->





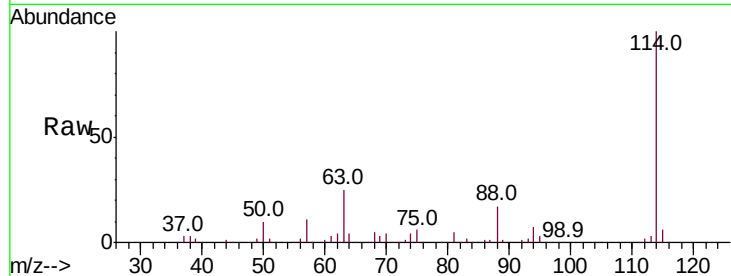
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027406.D
 Acq: 04 Oct 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(6-6.5)DL

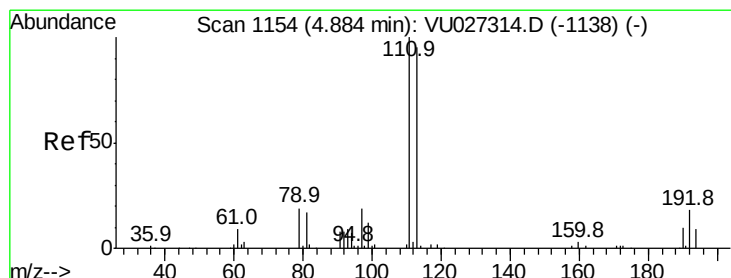
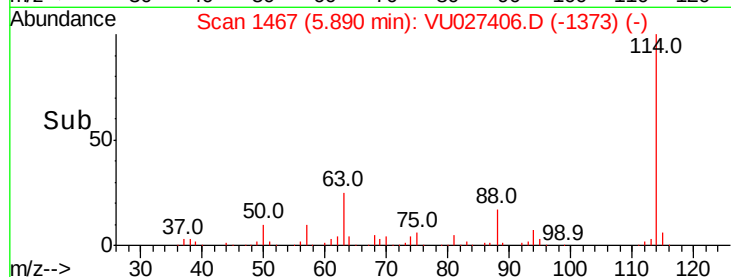
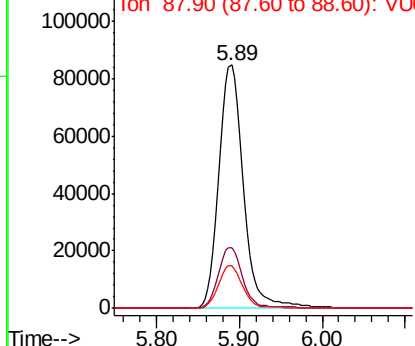
Tot Ion	Ratio	Resp	Lower	Upper
114	100	174377		
63	24.7	0.0	50.2	
88	17.3	0.0	33.8	

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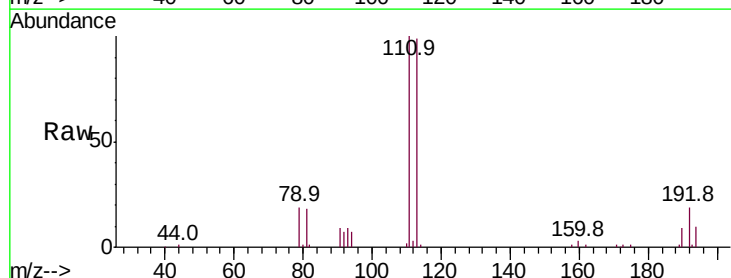


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

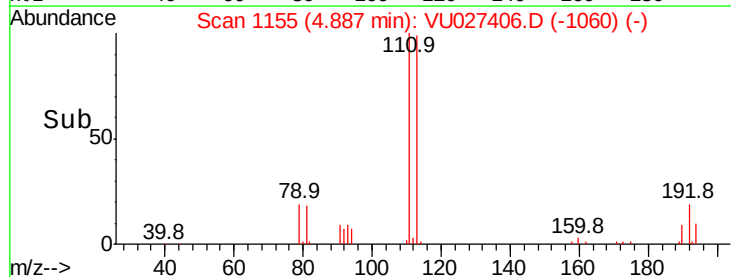
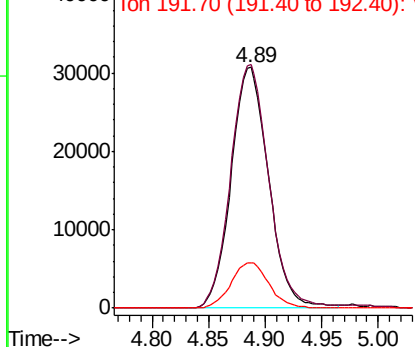


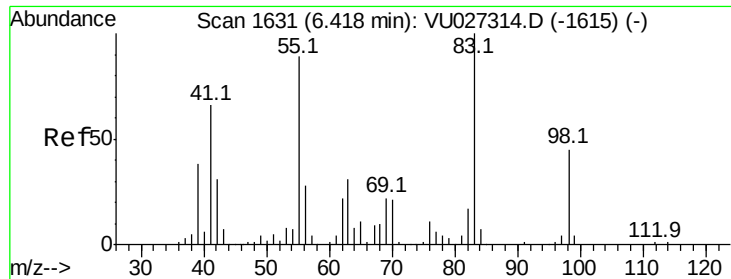
#35
 Dibromofluoromethane
 Concen: 59.296 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027406.D
 Acq: 04 Oct 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	70862		
111	103.2	83.1	124.7	
192	19.0	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





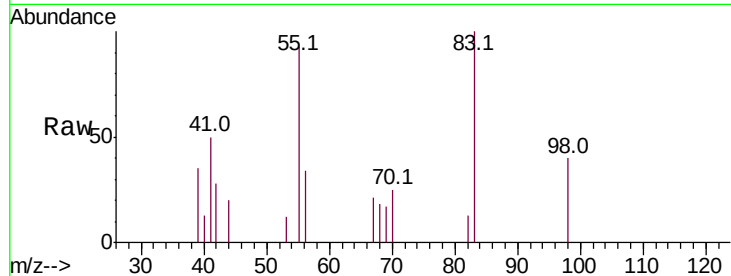
#39
Methylcyclohexane
Concen: 0.942 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VU027406.D
Acq: 04 Oct 2018 14:19

Instrument :
MSVOA_U
ClientSampled :
B-7(6-6.5)DL

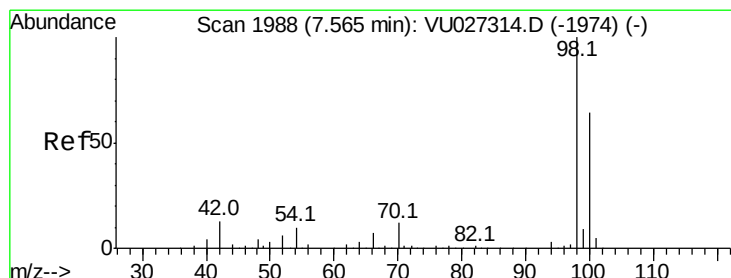
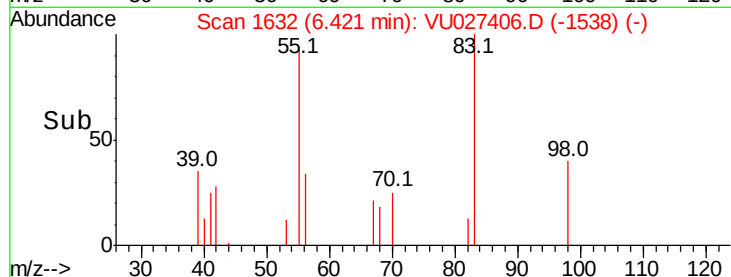
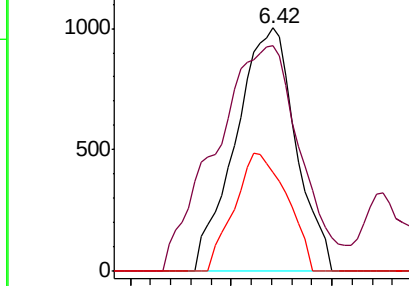
Tot Ion	83	Ratio	100	Resp:	2085
Ion	83	100		Lower	Upper
	55	81.5		71.1	106.7
	98	40.4		36.3	54.5

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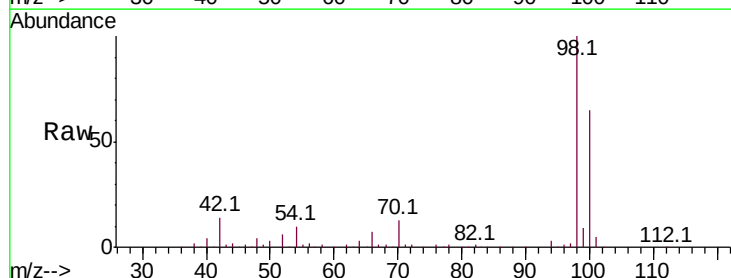


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

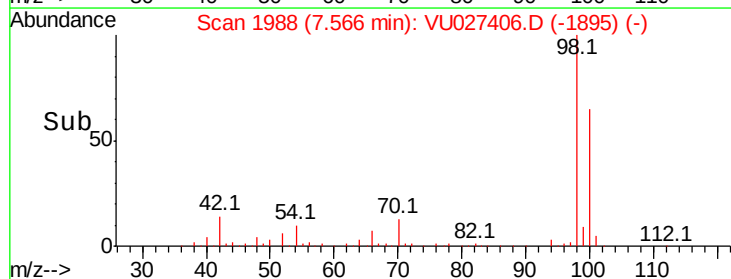
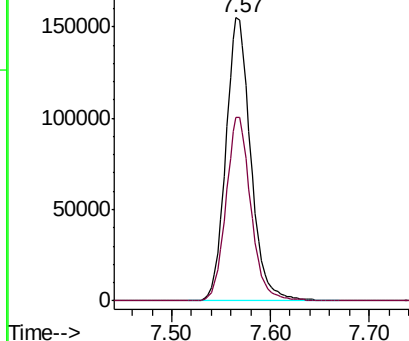


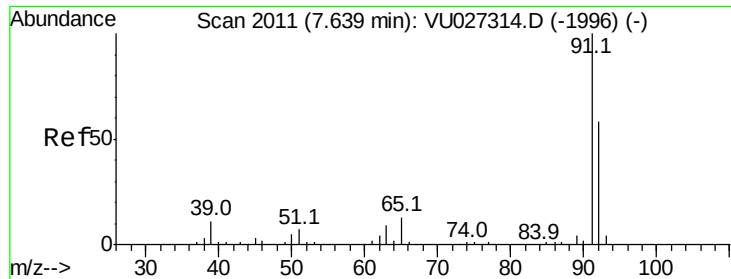
#50
Toluene-d8
Concen: 61.441 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027406.D
Acq: 04 Oct 2018 14:19

Tgt Ion	98	Ratio	100	Resp:	274810
Ion	98	100		Lower	Upper
	100	64.7		52.1	78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 6.546 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027406.D

Acq: 04 Oct 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

B-7(6-6.5)DL

Tot Ion: 92 Resp: 21368

Ion Ratio Lower Upper

92 100

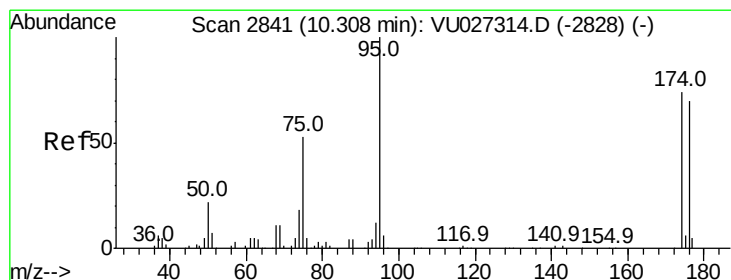
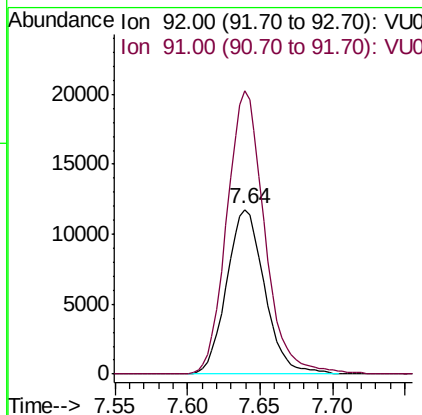
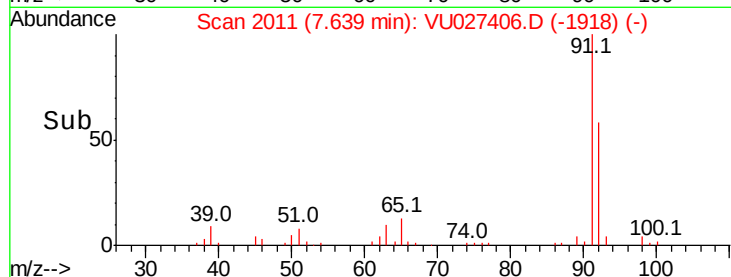
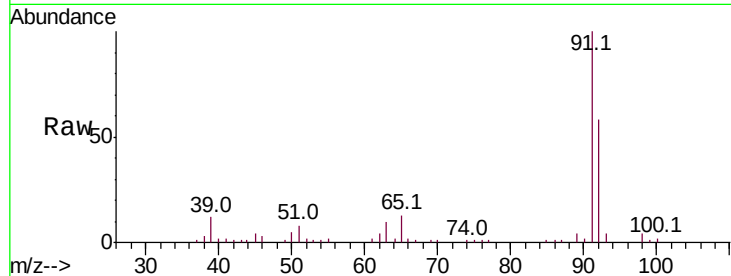
91 171.3 138.6 208.0

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#62

4-Bromofluorobenzene

Concen: 62.074 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027406.D

Acq: 04 Oct 2018 14:19

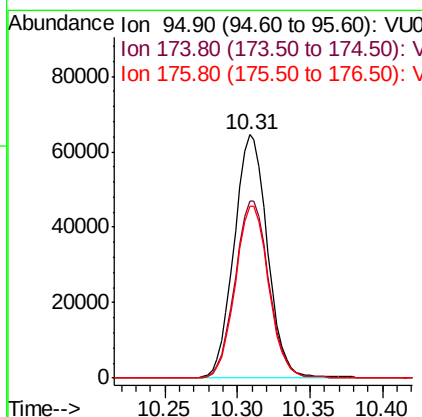
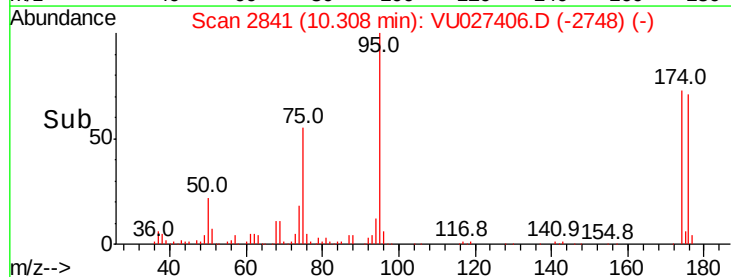
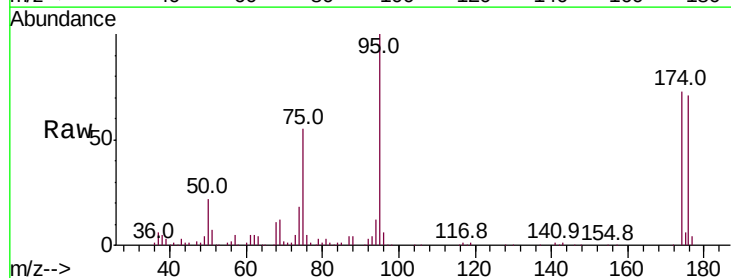
Tgt Ion: 95 Resp: 103182

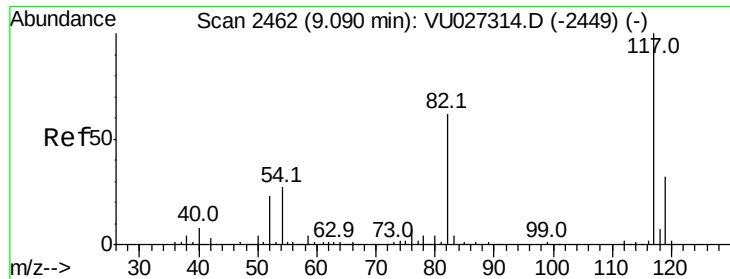
Ion Ratio Lower Upper

95 100

174 74.1 0.0 147.8

176 71.1 0.0 140.8





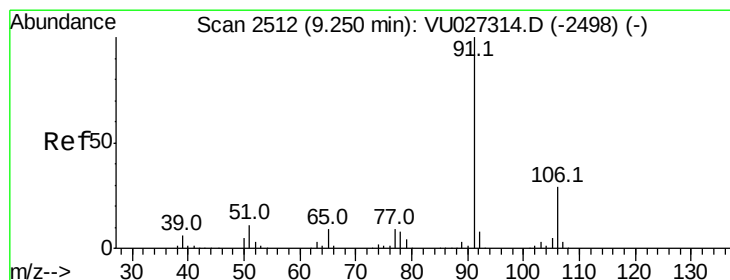
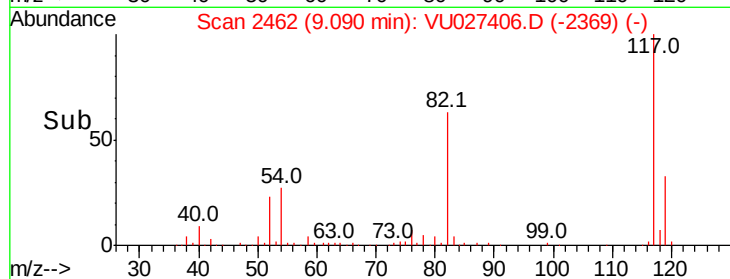
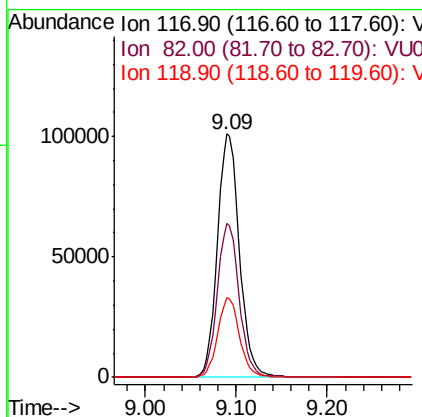
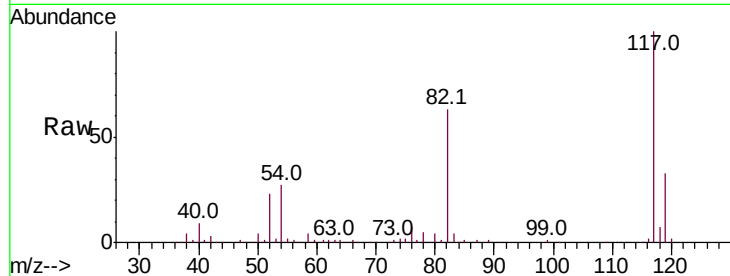
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VU027406.D
 Acq: 04 Oct 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(6-6.5)DL

Tot Ion:	117	Resp:	170201
Ion Ratio	Lower	Upper	
117	100		
82	63.2	49.2	73.8
119	32.6	25.7	38.5

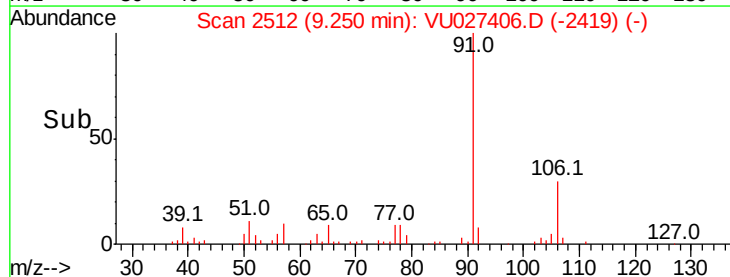
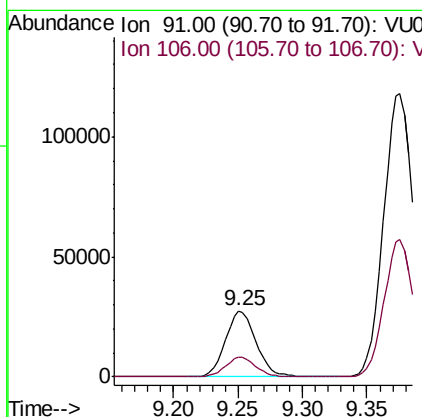
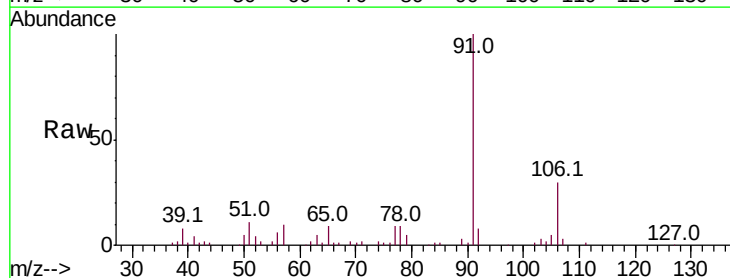
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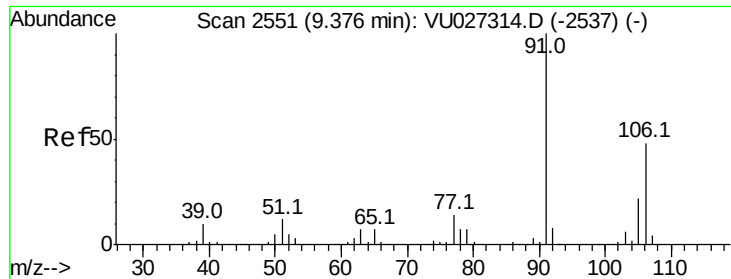
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#67
 Ethyl Benzene
 Concen: 7.152 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU027406.D
 Acq: 04 Oct 2018 14:19

Tgt Ion:	91	Resp:	45396
Ion Ratio	Lower	Upper	
91	100		
106	29.7	23.6	35.4





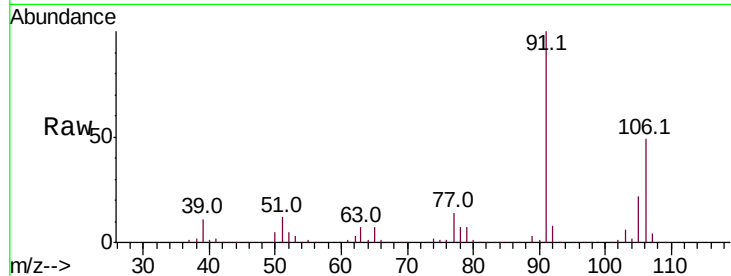
#68
m/p-Xylenes
Concen: 40.063 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027406.D
Acq: 04 Oct 2018 14:19

Instrument :
MSVOA_U
ClientSampled :
B-7(6-6.5)DL

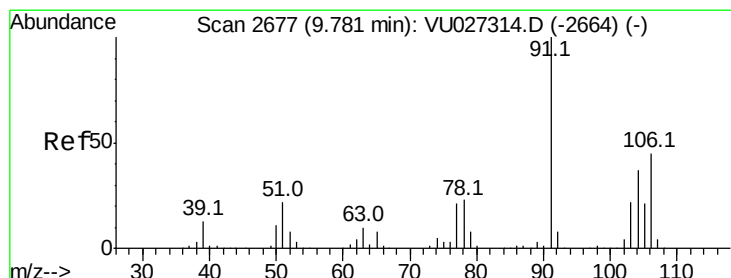
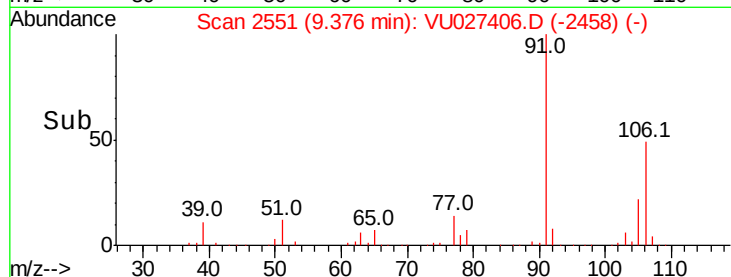
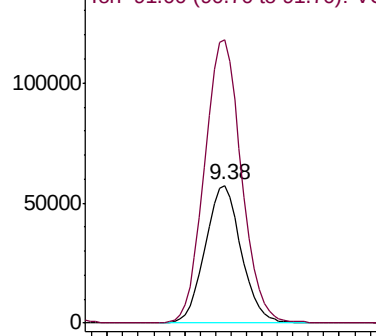
Tot Ion:106 Resp: 93016
Ion Ratio Lower Upper
106 100
91 209.7 168.1 252.1

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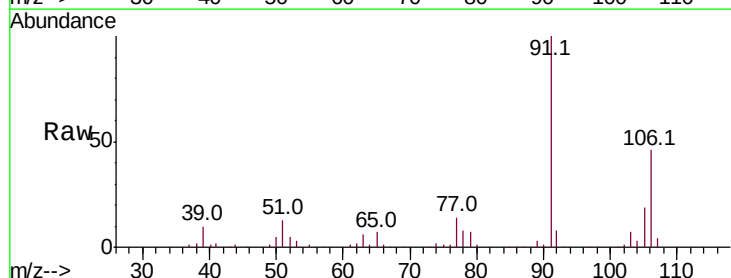


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

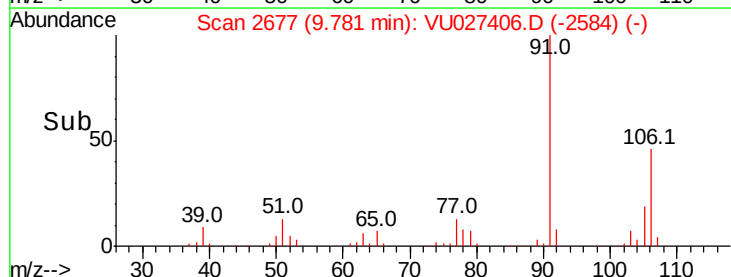
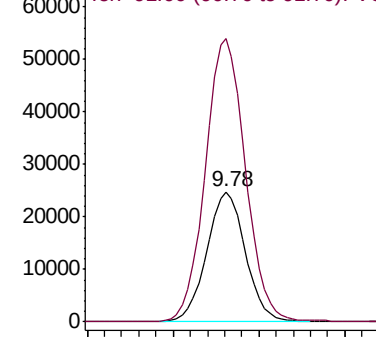


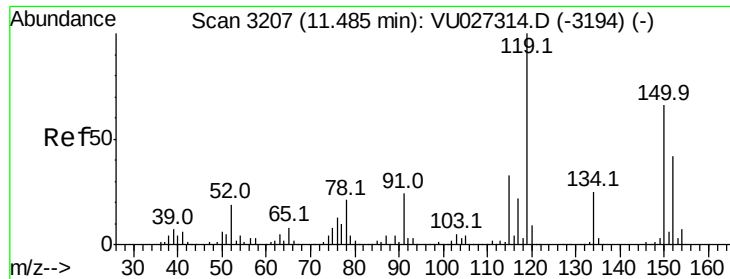
#69
o-Xylene
Concen: 17.516 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027406.D
Acq: 04 Oct 2018 14:19

Tgt Ion:106 Resp: 38646
Ion Ratio Lower Upper
106 100
91 227.5 111.7 334.9



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# 3207

Delta R.T. 0.00 min

Lab File: VU027406.D

Acq: 04 Oct 2018 14:19

Instrument :

MSVOA_U

ClientSampled :

B-7(6-6.5)DL

Tot Ion:152 Resp: 96286

Ion Ratio Lower Upper

152 100

115 61.4 43.4 130.2

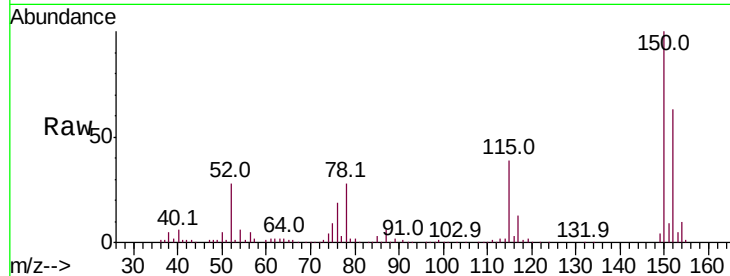
150 157.3 0.0 349.2

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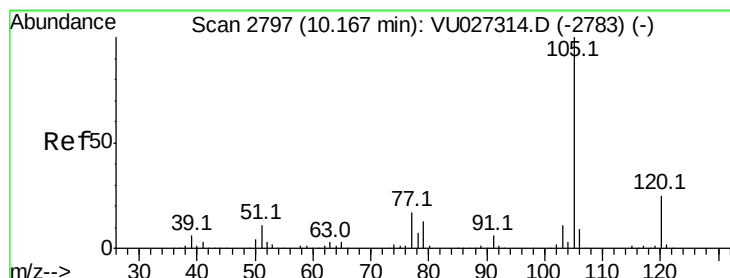
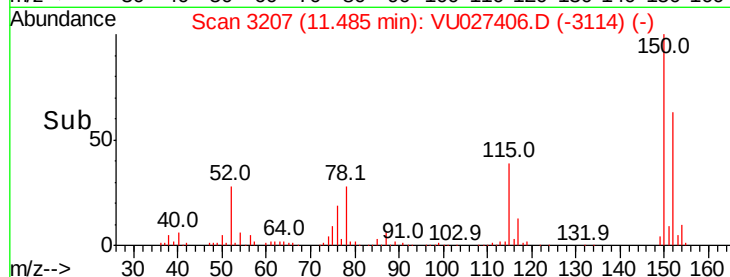
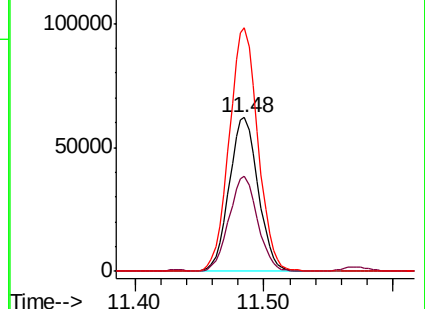
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.284 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027406.D

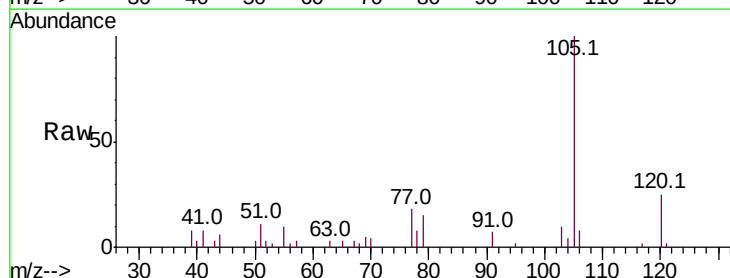
Acq: 04 Oct 2018 14:19

Tgt Ion:105 Resp: 8976

Ion Ratio Lower Upper

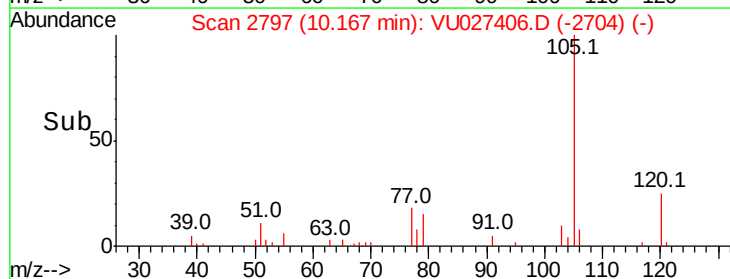
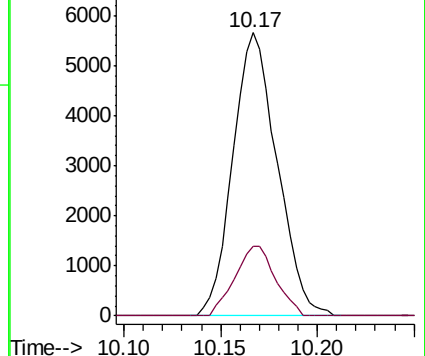
105 100

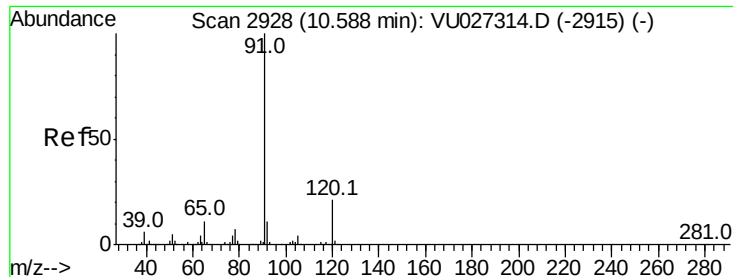
120 22.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 5.048 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027406.D

Acq: 04 Oct 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

B-7(6-6.5)DL

Tot Ion: 91 Resp: 42419

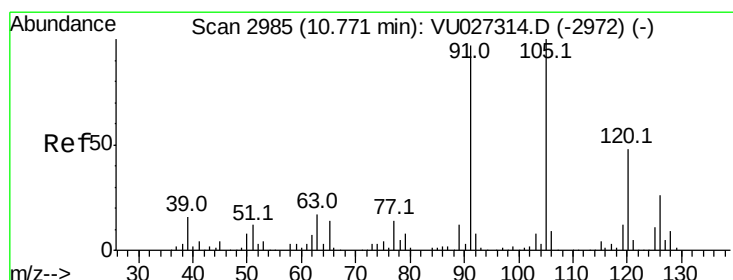
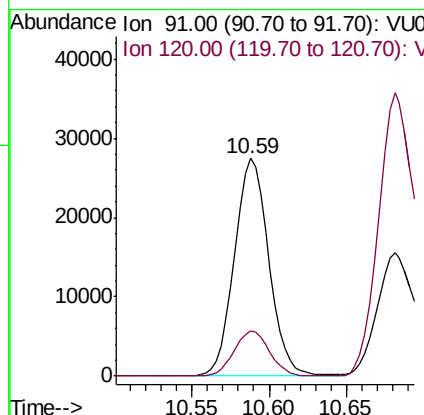
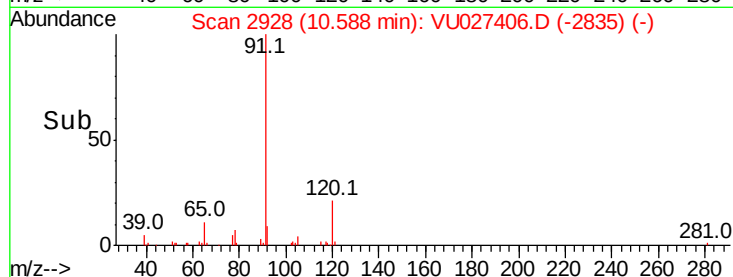
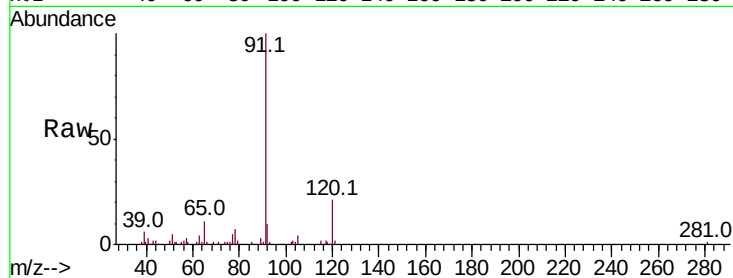
Ion Ratio Lower Upper

91 100

120 21.3 10.6 31.8

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#80

1,3,5-Trimethylbenzene

Concen: 14.111 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027406.D

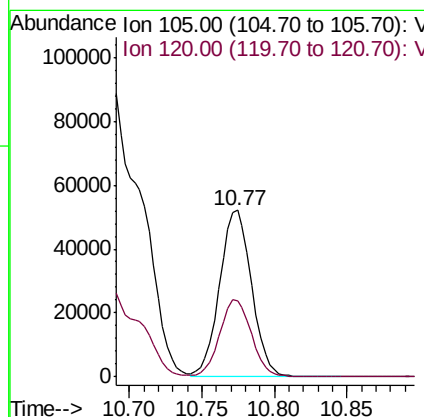
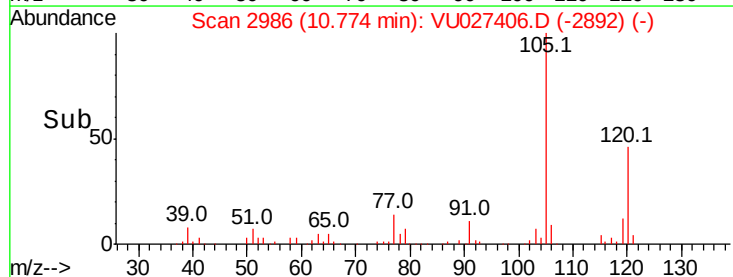
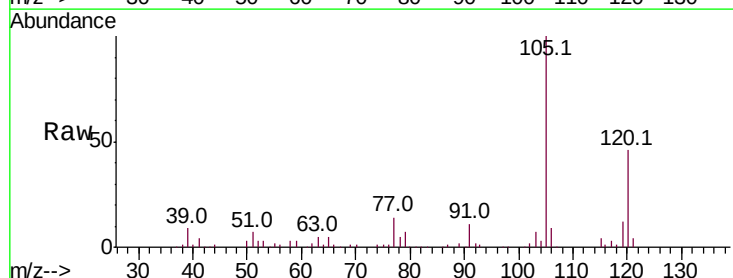
Acq: 04 Oct 2018 14:19

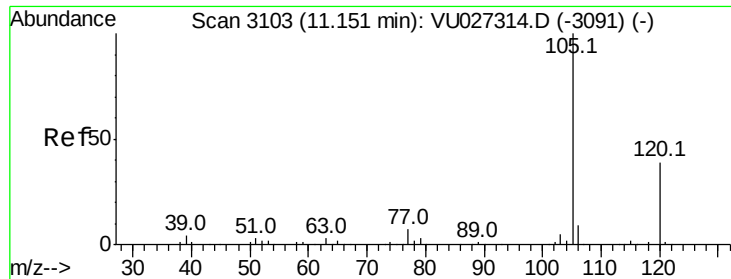
Tgt Ion: 105 Resp: 80341

Ion Ratio Lower Upper

105 100

120 45.9 24.1 72.4





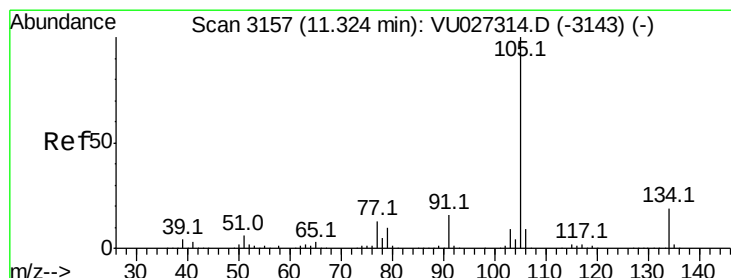
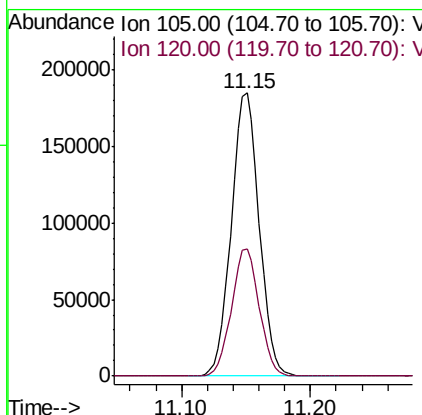
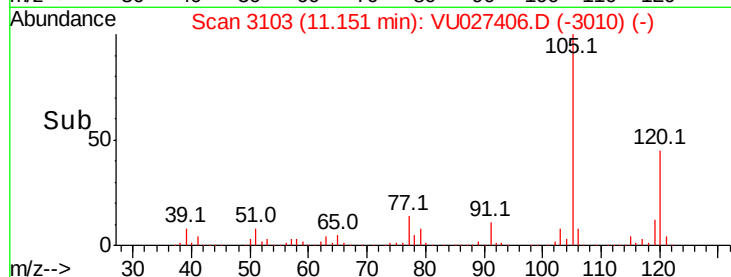
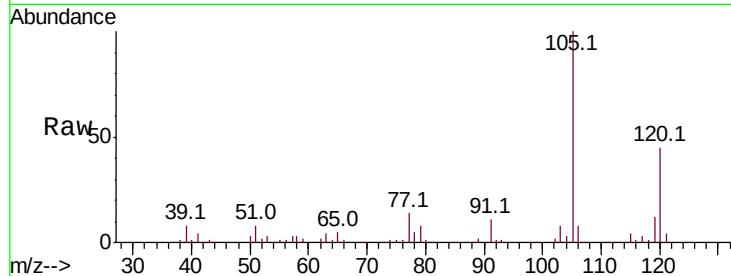
#84
 1,2,4-Trimethylbenzene
 Concen: 47.546 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027406.D
 Acq: 04 Oct 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(6-6.5)DL

Tot Ion:105 Resp: 276521
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.1 66.5

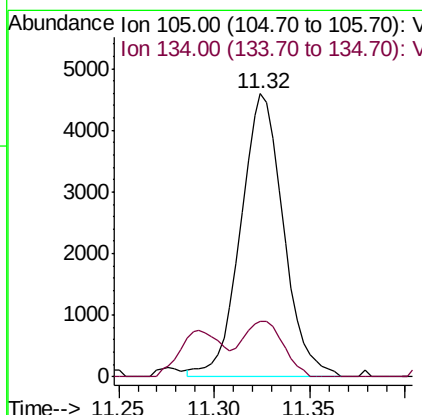
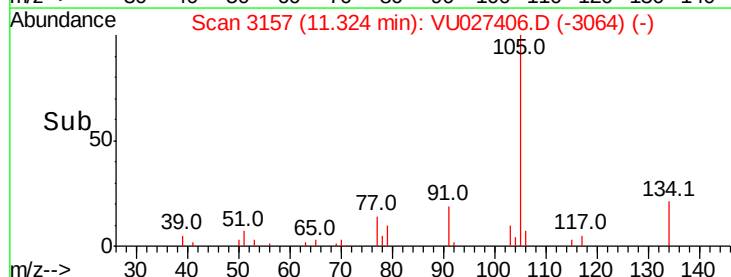
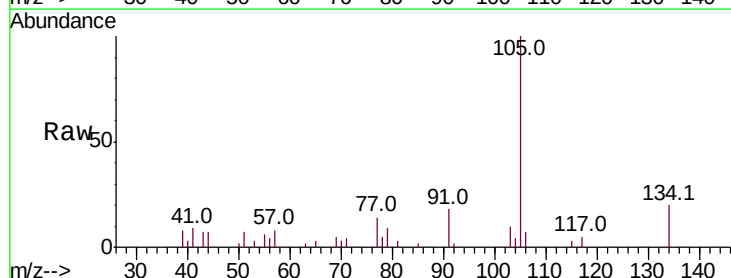
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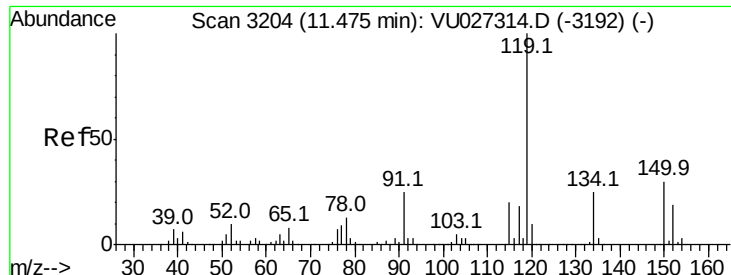
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#85
 sec-Butylbenzene
 Concen: 1.031 ug/l m
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027406.D
 Acq: 04 Oct 2018 14:19

Tgt Ion:105 Resp: 7151
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#





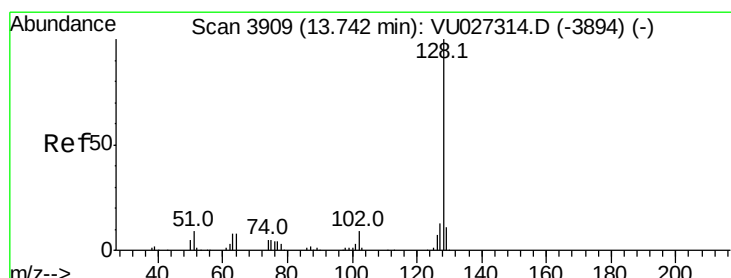
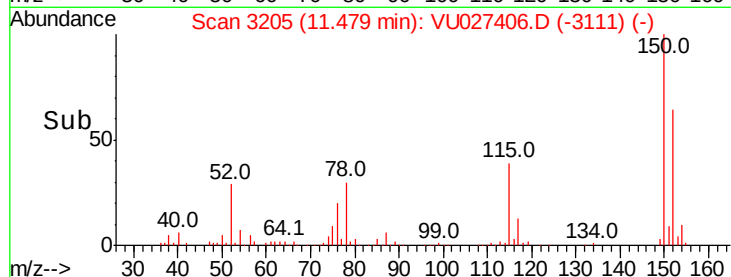
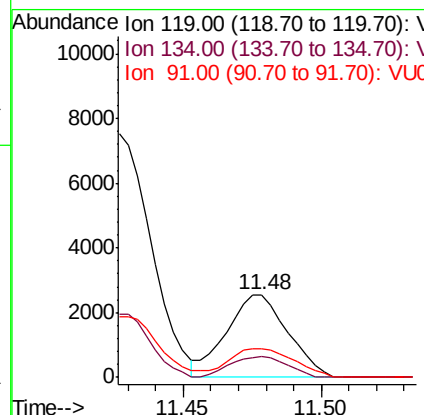
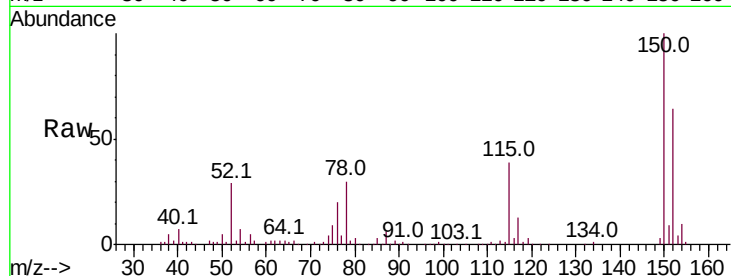
#86
p-Isopropyltoluene
Concen: 0.666 ug/l m
RT: 11.48 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VU027406.D
Acq: 04 Oct 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
B-7(6-6.5)DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.7	38.1#
91	0.0	12.2	36.4#

Manual Integrations
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#95
Naphthalene
Concen: 8.071 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027406.D
Acq: 04 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.8	8.6	12.8

