

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
 Data File : VU027407.D
 Acq On : 04 Oct 2018 14:42
 Operator : MD/SY
 Sample : J5084-02DL 400X
 Misc : 6.44uL/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B-8(9-9.5)DL

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:33 PM

Quant Time: Oct 05 04:41:54 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	104938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	187261	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	179394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	100339	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	104754	59.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.56%	
35) Dibromofluoromethane	4.89	113	74059	57.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.42%	
50) Toluene-d8	7.57	98	292719	60.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.88%	
62) 4-Bromofluorobenzene	10.31	95	106243	59.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.04%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	6.42	83	11696	4.921	ug/l	91
40) Benzene	5.40	78	2542	0.429	ug/l	99
52) Toluene	7.64	92	153191	43.700	ug/l	99
67) Ethyl Benzene	9.25	91	123163	18.409	ug/l	99
68) m/p-Xylenes	9.38	106	160356	65.527	ug/l	99
69) o-Xylene	9.78	106	59045	25.390	ug/l	98
73) Isopropylbenzene	10.17	105	13121	1.800	ug/l	100
78) n-propylbenzene	10.59	91	61453	7.018	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	66557	11.218	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	234477	38.689	ug/l	100
85) sec-Butylbenzene	11.32	105	6522m	0.902	ug/l	
86) p-Isopropyltoluene	11.48	119	2972m	0.480	ug/l	
89) n-Butylbenzene	11.89	91	22778	5.283	ug/l #	42
95) Naphthalene	13.74	128	39149	6.649	ug/l	99

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

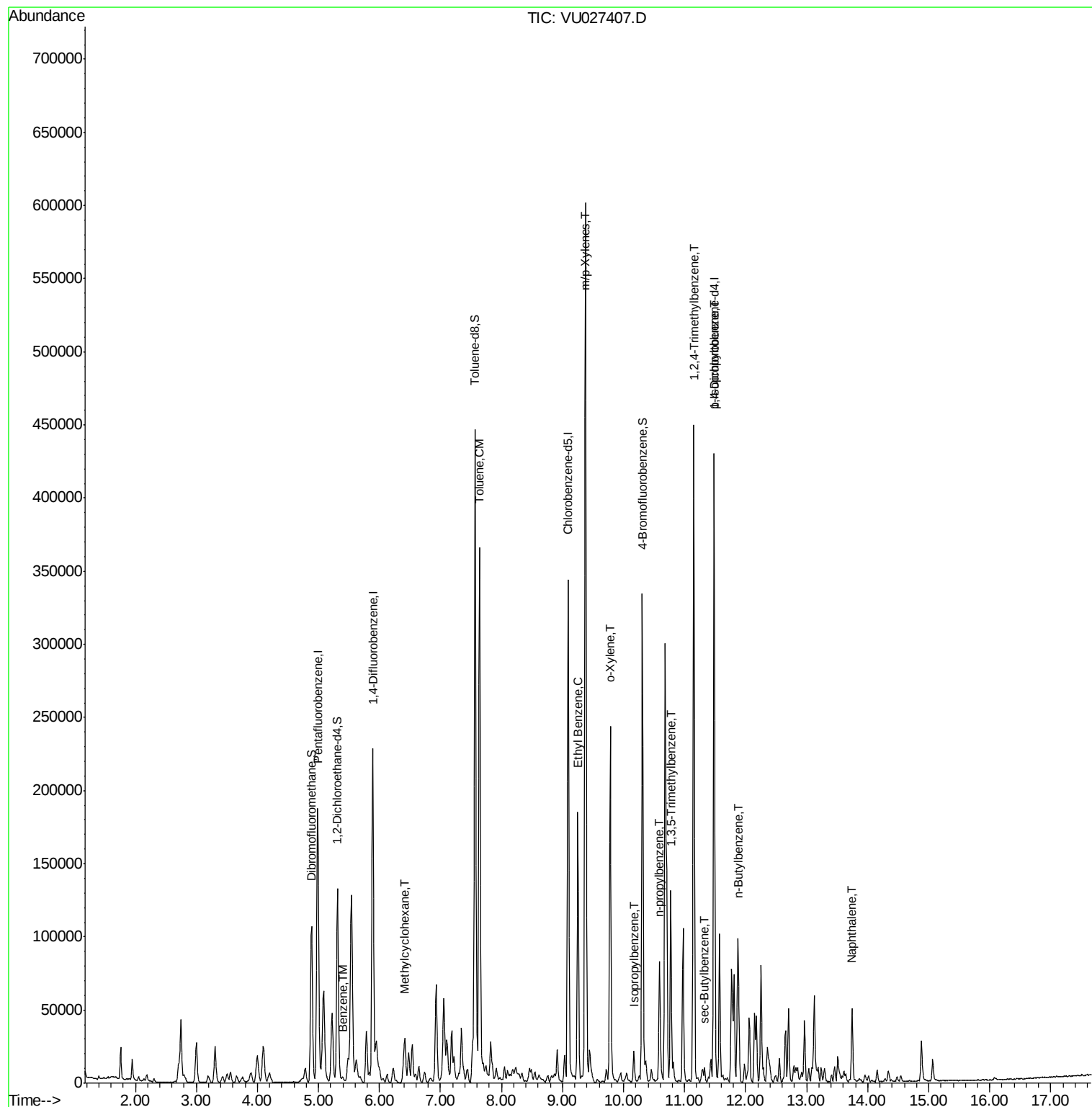
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027407.D
Acq On : 04 Oct 2018 14:42
Operator : MD/SY
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Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

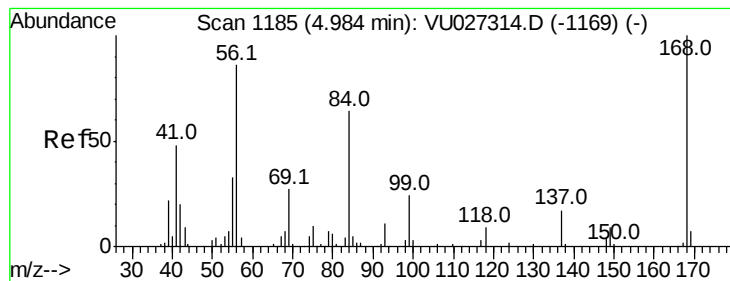
Instrument :
MSVOA_U
ClientSampleId :
B-8(9-9.5)DL

Manual Integrations
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Quant Time: Oct 05 04:41:54 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: VU027407.D

Acq: 04 Oct 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

B-8(9-9.5)DL

Tot Ion:168 Resp: 104938

Ion Ratio Lower Upper

168 100

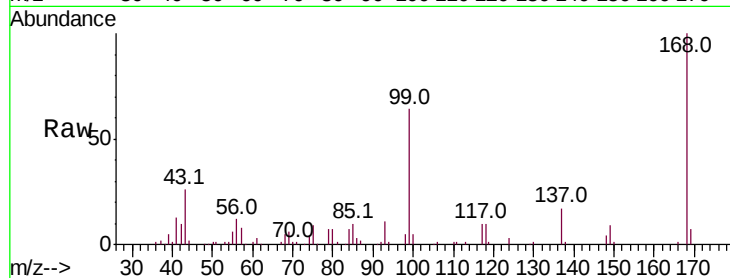
99 63.6 50.8 76.2

Manual Integrations

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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

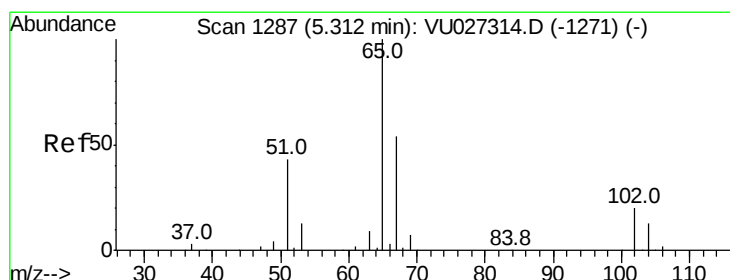
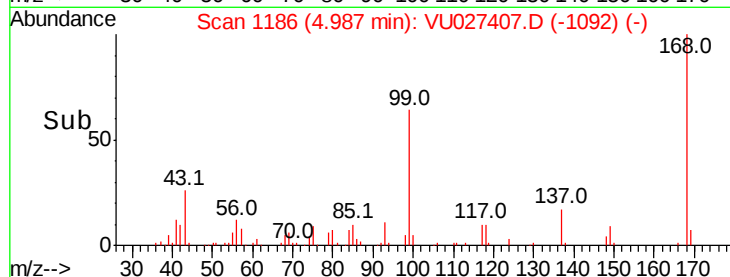
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#33

1,2-Dichloroethane-d4

Concen: 59.781 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027407.D

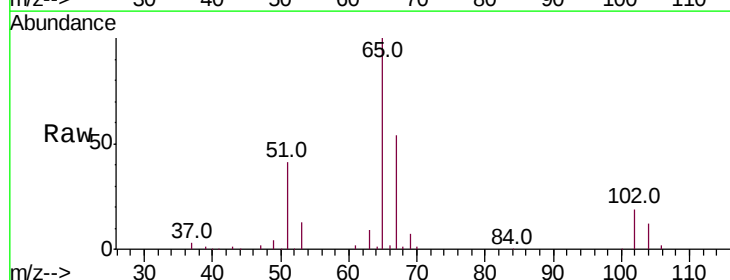
Acq: 04 Oct 2018 14:42

Tgt Ion: 65 Resp: 104754

Ion Ratio Lower Upper

65 100

67 52.8 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

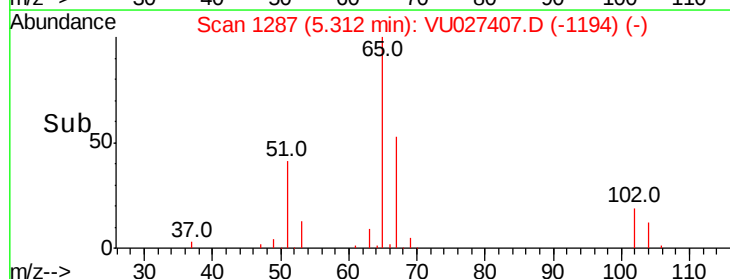
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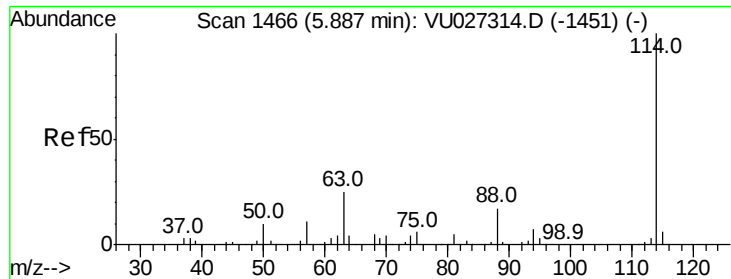
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0

5.20 5.30 5.40

Time-->





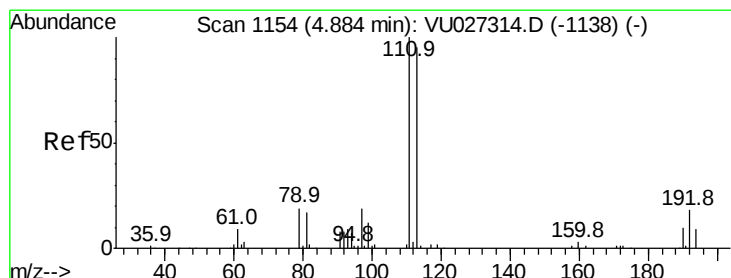
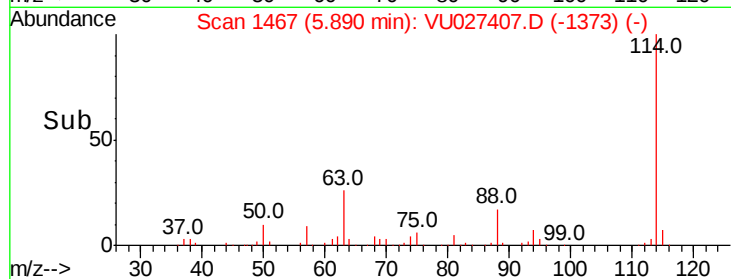
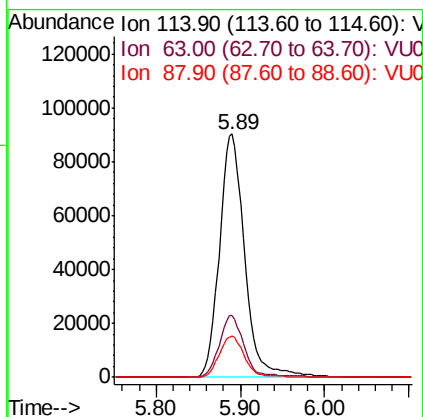
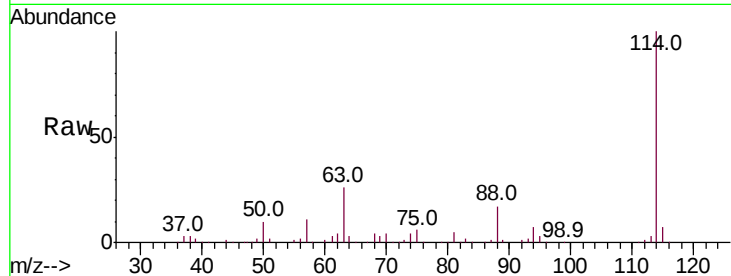
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027407.D
 Acq: 04 Oct 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 B-8(9-9.5)DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.5	0.0	50.2
88	16.9	0.0	33.8

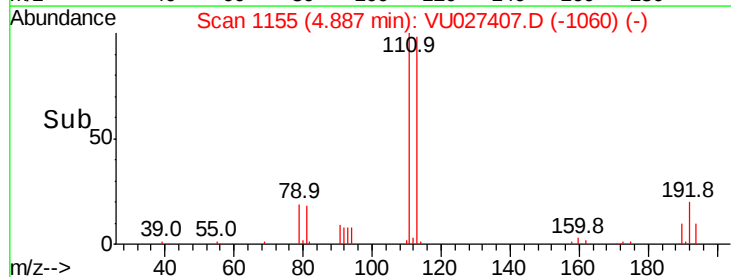
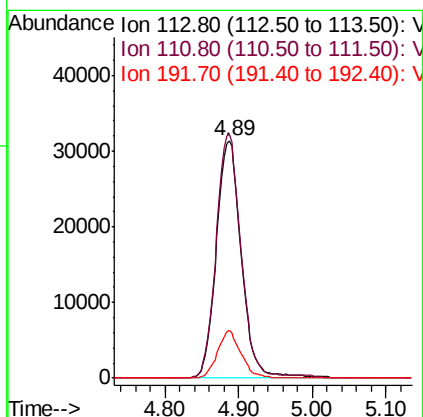
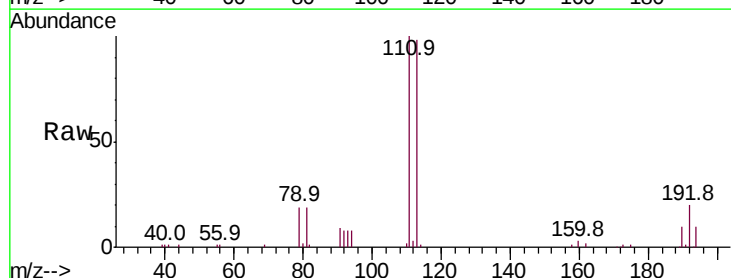
Manual Integrations
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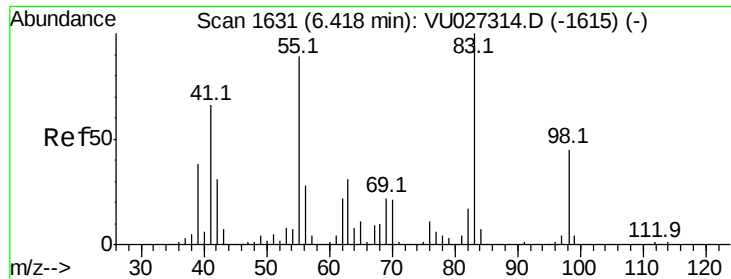
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#35
 Dibromofluoromethane
 Concen: 57.707 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027407.D
 Acq: 04 Oct 2018 14:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.1	124.7
192	18.8	15.4	23.0





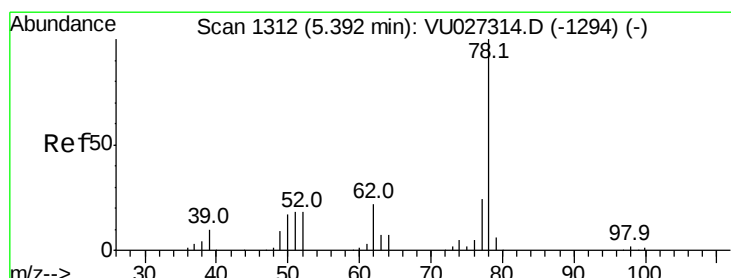
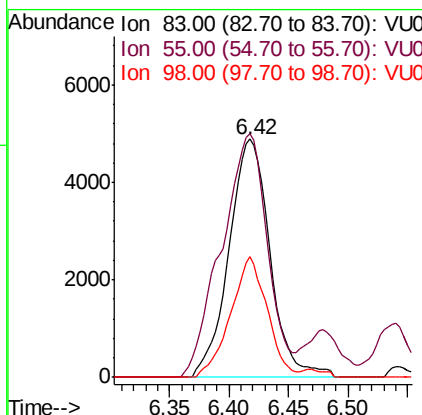
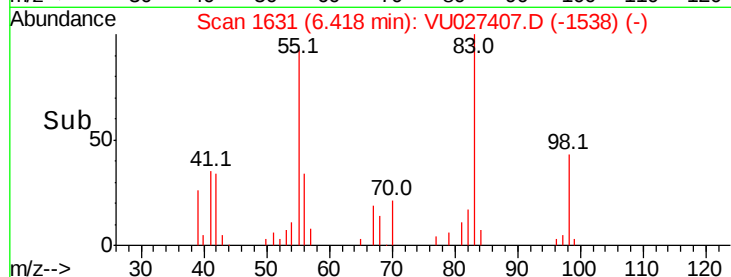
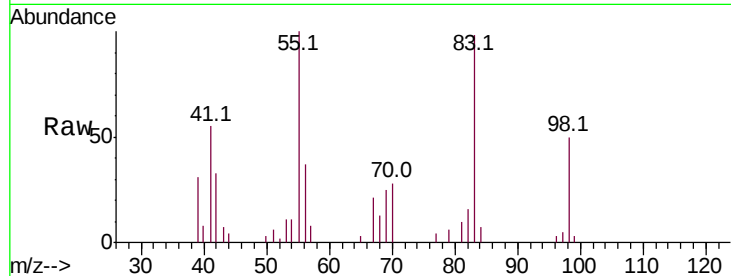
#39
Methvlcvclohexane
Concen: 4.921 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027407.D
Acq: 04 Oct 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
B-8(9-9.5)DL

Tot Ion	83	Resp	11696
Ion Ratio	100	Lower	Upper
83	100		
55	97.6	71.1	106.7
98	50.8	36.3	54.5

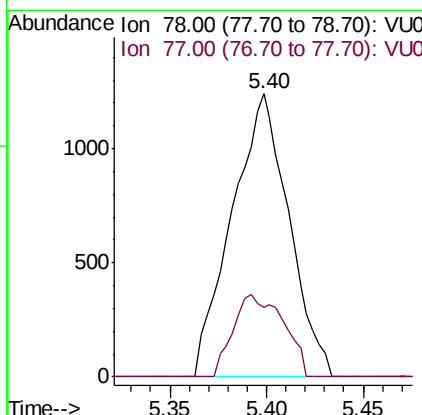
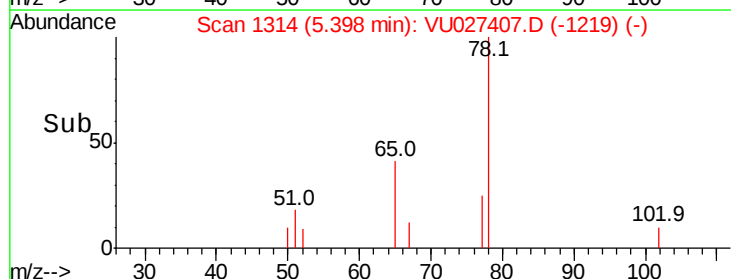
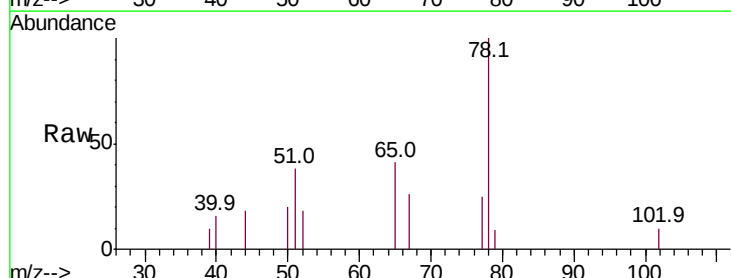
Manual Integrations
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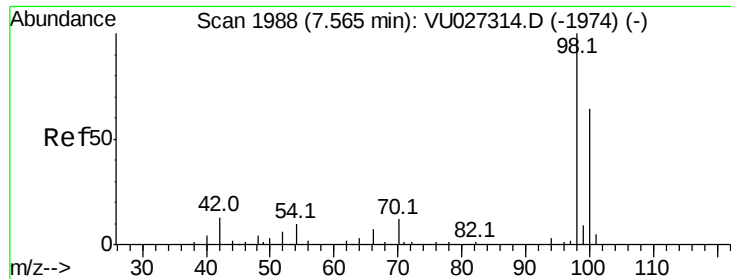
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#40
Benzene
Concen: 0.429 ug/l
RT: 5.40 min Scan# 1314
Delta R.T. 0.01 min
Lab File: VU027407.D
Acq: 04 Oct 2018 14:42

Tgt Ion	78	Resp	2542
Ion Ratio	100	Lower	Upper
78	100		
77	24.8	19.3	28.9





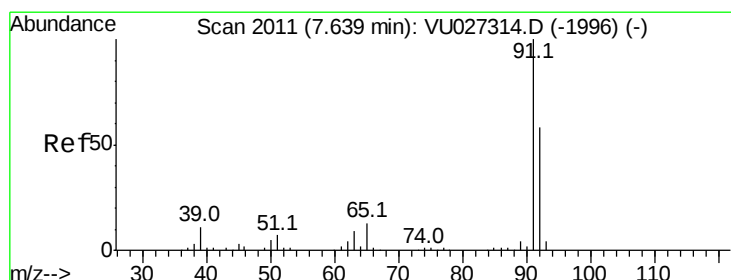
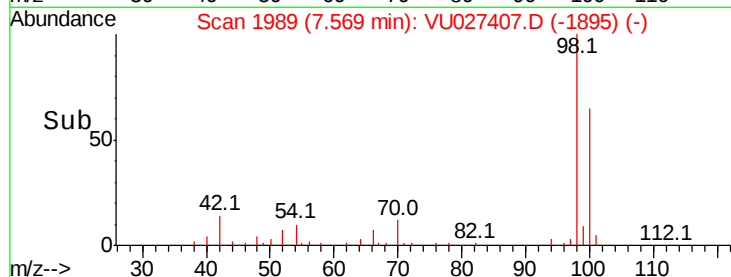
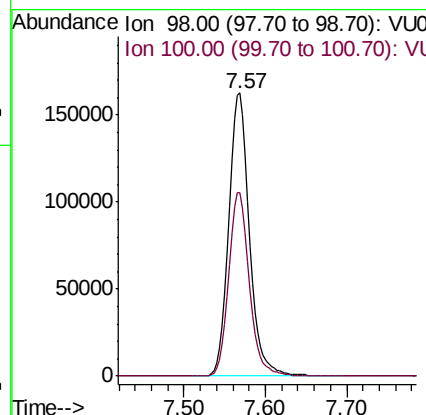
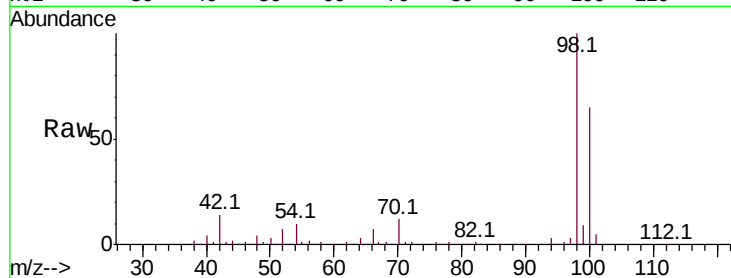
#50
Toluene-d8
Concen: 60.942 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027407.D
Acq: 04 Oct 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
B-8(9-9.5)DL

Tot Ion: 98 Resp: 292719
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1

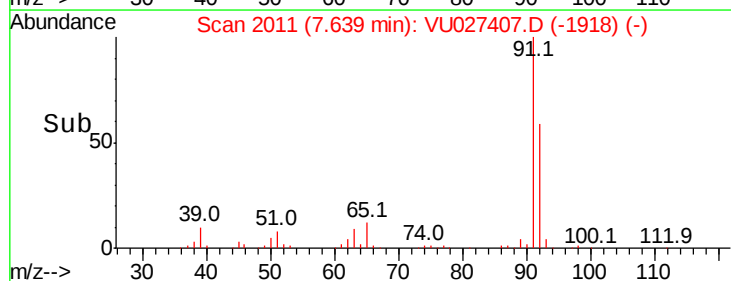
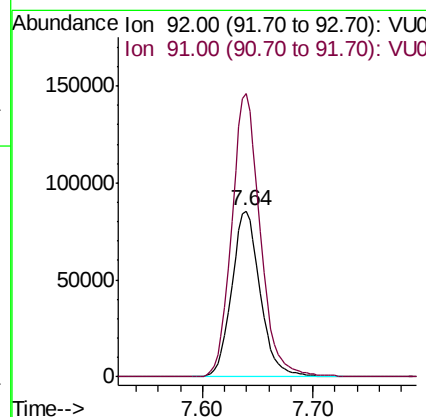
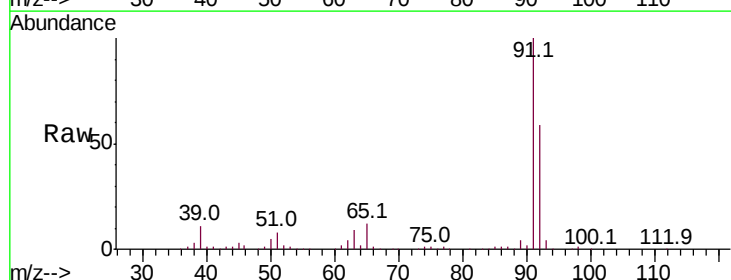
Manual Integrations
APPROVED

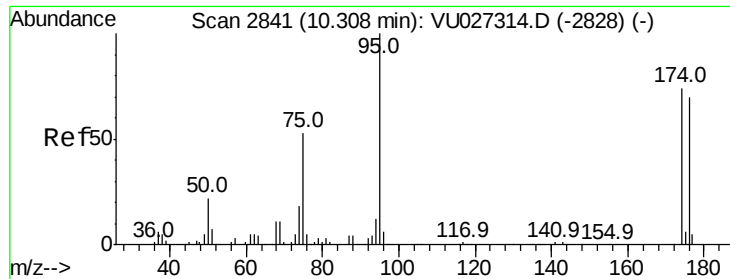
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#52
Toluene
Concen: 43.700 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU027407.D
Acq: 04 Oct 2018 14:42

Tgt Ion: 92 Resp: 153191
Ion Ratio Lower Upper
92 100
91 171.2 138.6 208.0





#62

4-Bromofluorobenzene

Concen: 59.518 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027407.D

Acq: 04 Oct 2018 14:42

Instrument :

MSVOA_U

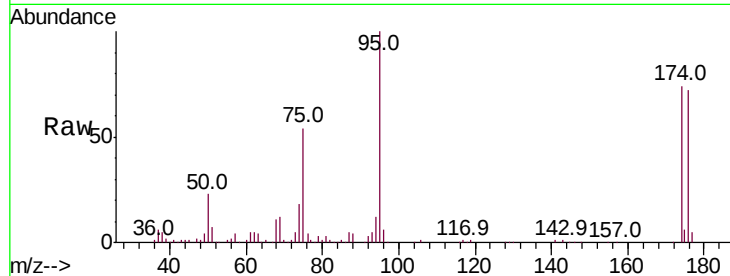
ClientSampleId :

B-8(9-9.5)DL

Tot Ion:	95	Resp:	106243
Ion Ratio	Lower	Upper	
95	100		
174	74.2	0.0	147.8
176	72.1	0.0	140.8

Manual Integrations
APPROVED

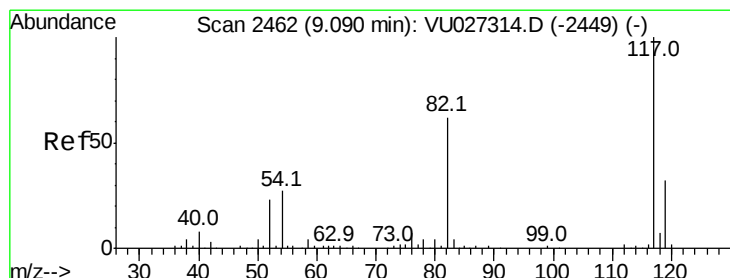
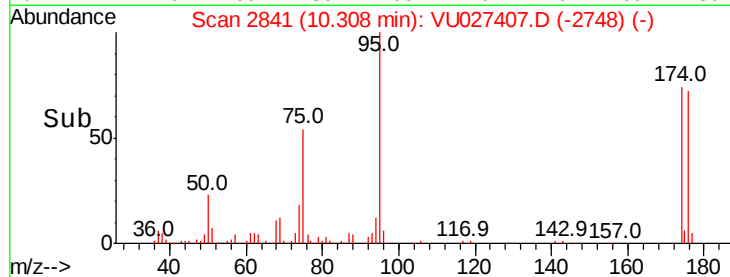
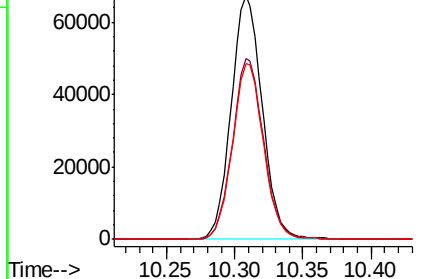
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Abundance Ion 94.90 (94.60 to 95.60): VU027407.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU027407.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU027407.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

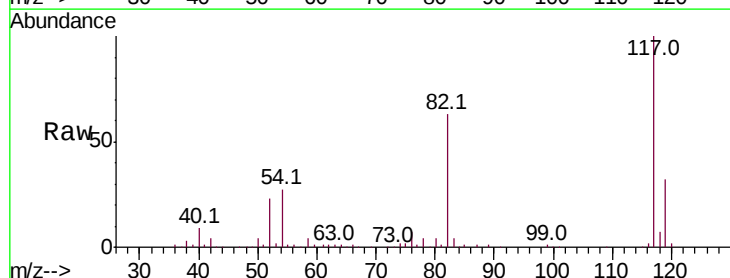
RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027407.D

Acq: 04 Oct 2018 14:42

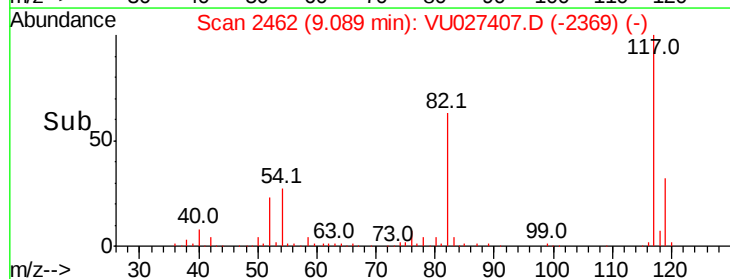
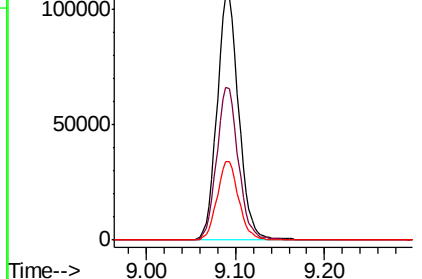
Tgt Ion:	117	Resp:	179394
Ion Ratio	Lower	Upper	
117	100		
82	62.6	49.2	73.8
119	32.0	25.7	38.5

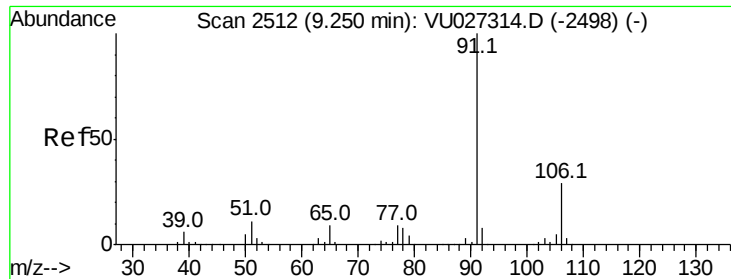


Abundance Ion 116.90 (116.60 to 117.60): VU027407.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU027407.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU027407.D (-2369) (-)





#67

Ethyl Benzene

Concen: 18.409 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027407.D

Acq: 04 Oct 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

B-8(9-9.5)DL

Tot Ion: 91 Resp: 123163

Ion Ratio Lower Upper

91 100

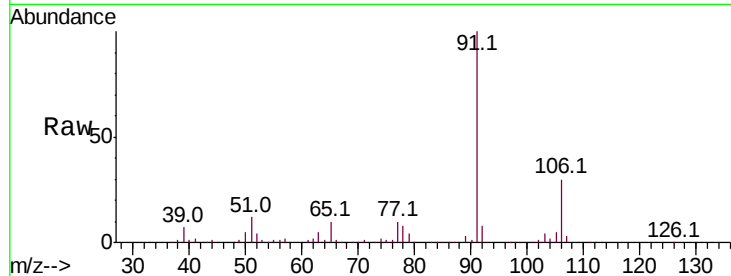
106 30.2 23.6 35.4

Manual Integrations

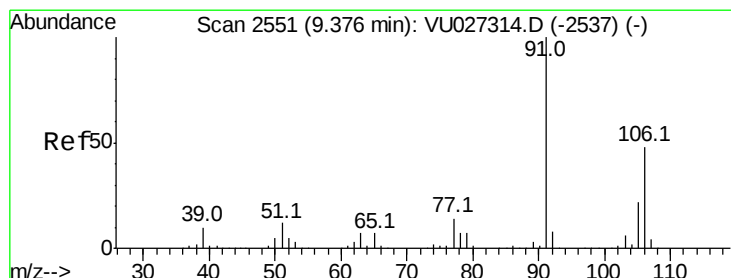
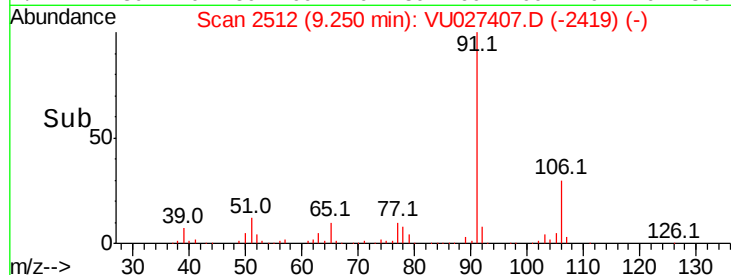
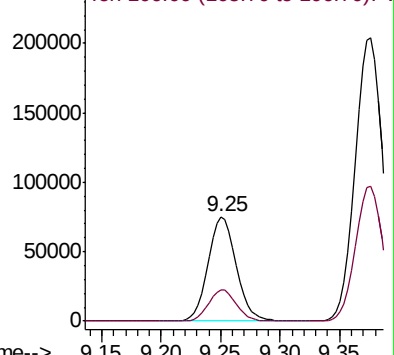
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Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2498) (-)



#68

m/p-Xylenes

Concen: 65.527 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027407.D

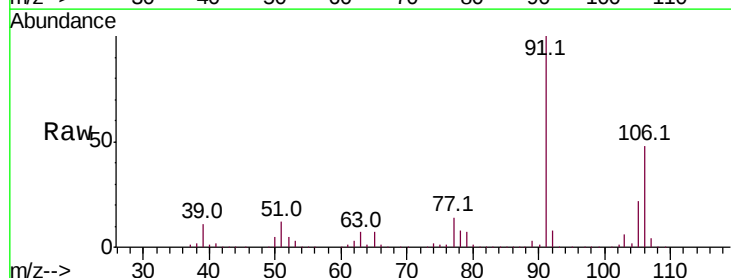
Acq: 04 Oct 2018 14:42

Tgt Ion: 106 Resp: 160356

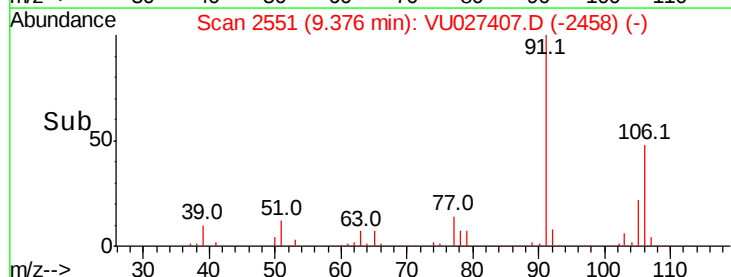
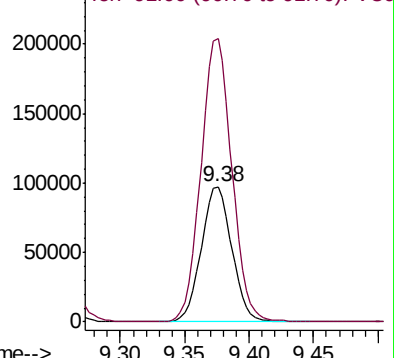
Ion Ratio Lower Upper

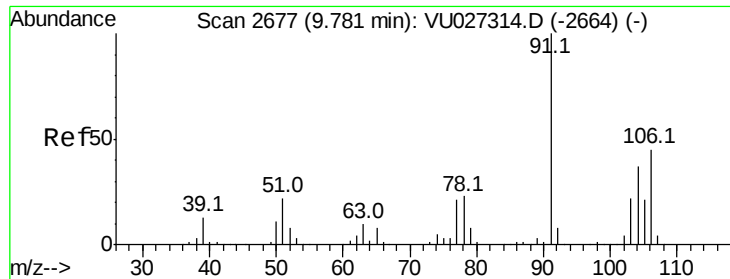
106 100

91 210.9 168.1 252.1



Abundance Ion 106.00 (105.70 to 106.70): VU027314.D (-2537) (-)





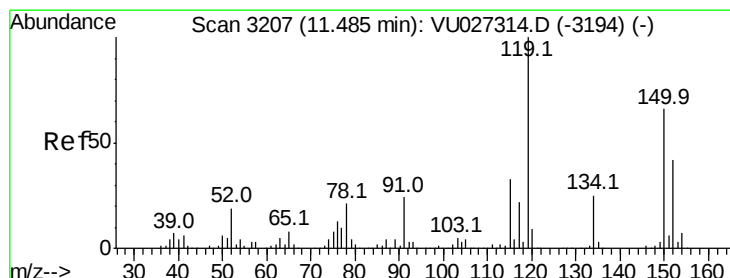
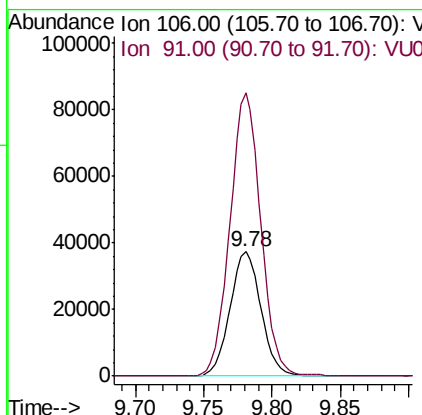
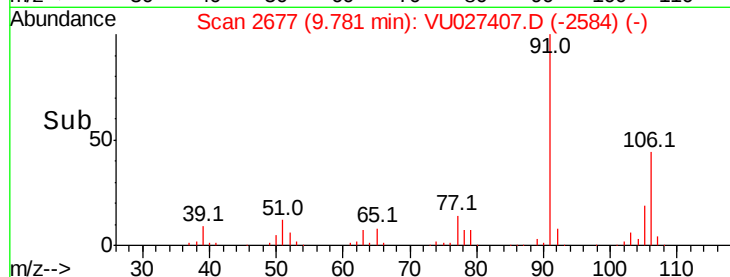
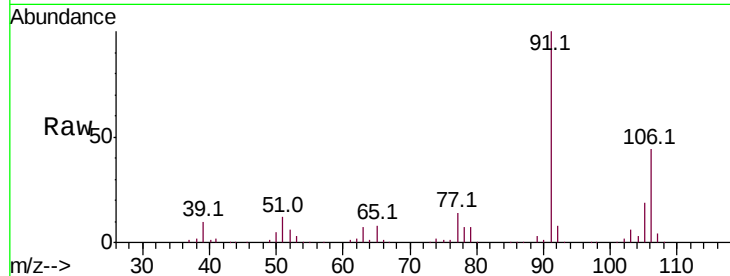
#69
o-Xylene
Concen: 25.390 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027407.D
Acq: 04 Oct 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
B-8(9-9.5)DL

Tot Ion:106 Resp: 59045
Ion Ratio Lower Upper
106 100
91 225.8 111.7 334.9

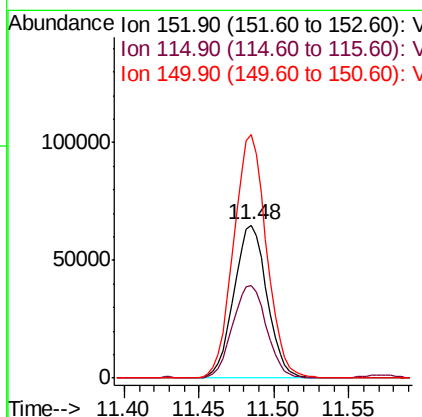
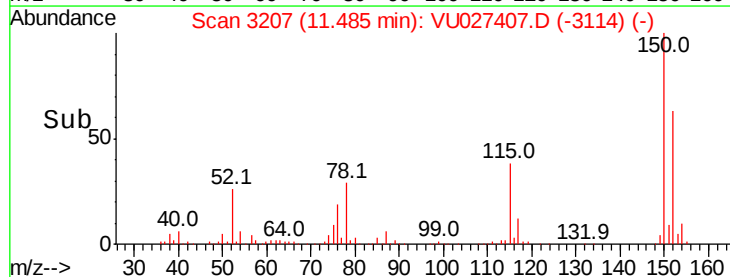
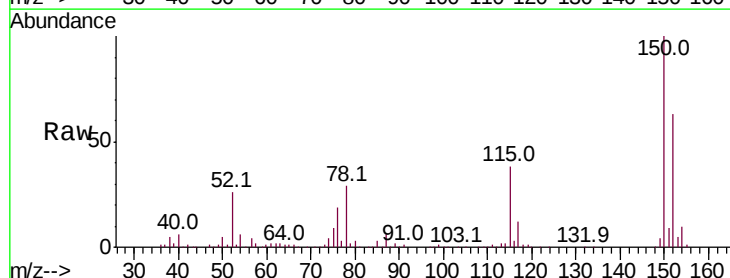
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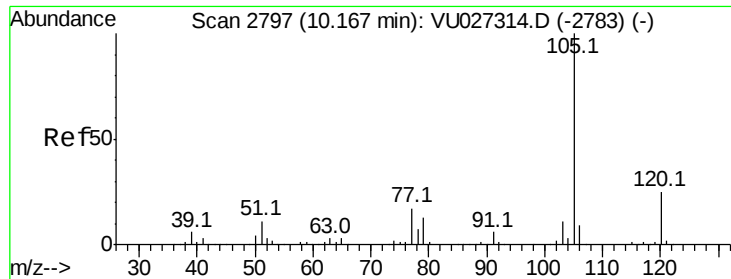
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027407.D
Acq: 04 Oct 2018 14:42

Tgt Ion:152 Resp: 100339
Ion Ratio Lower Upper
152 100
115 62.4 43.4 130.2
150 158.4 0.0 349.2





#73

Isopropylbenzene

Concen: 1.800 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027407.D

Acq: 04 Oct 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

B-8(9-9.5)DL

Tot Ion: 105 Resp: 13121

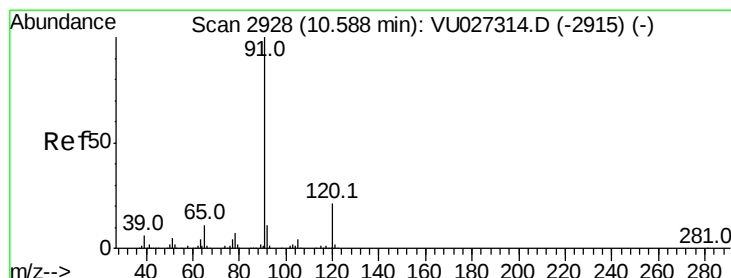
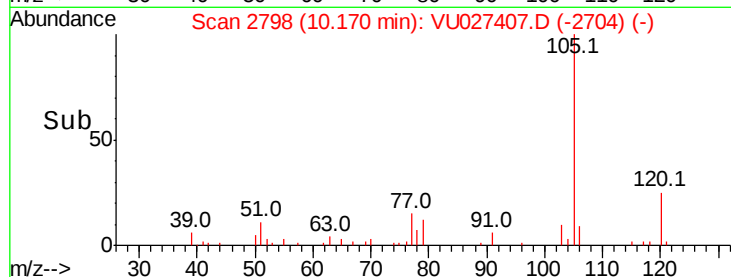
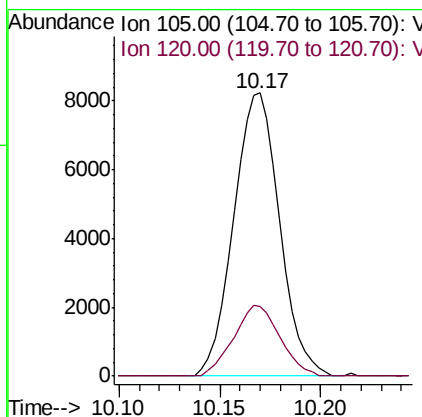
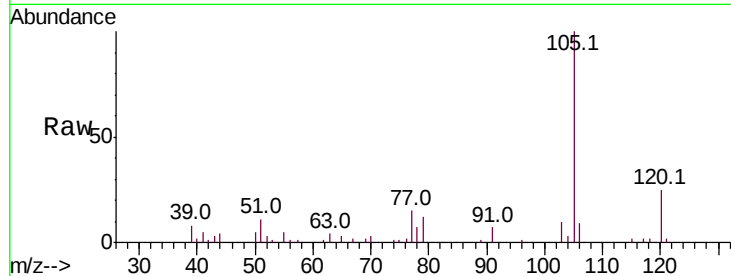
Ion Ratio Lower Upper

105 100

120 25.2 12.6 37.8

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#78

n-propylbenzene

Concen: 7.018 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027407.D

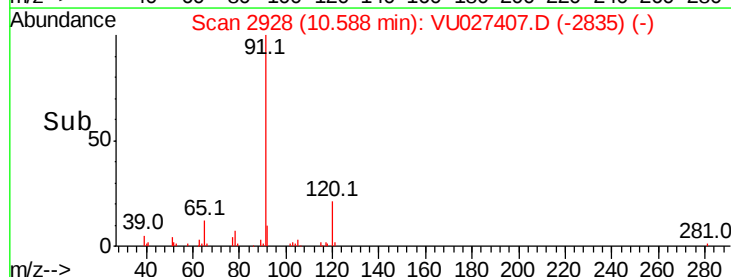
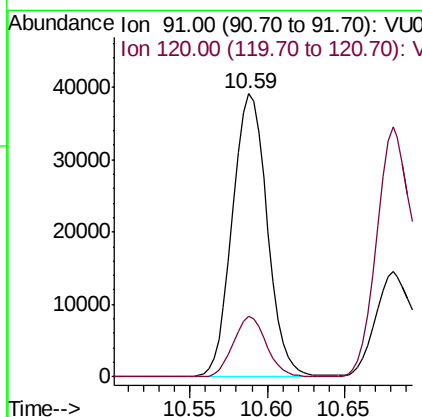
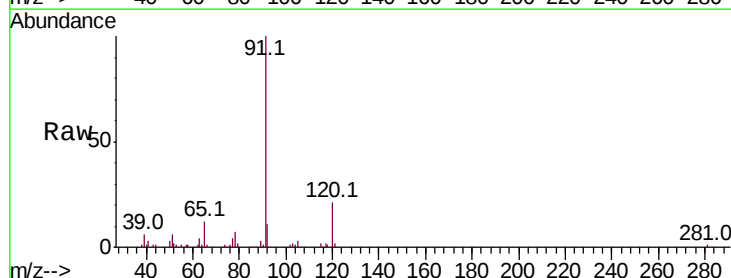
Acq: 04 Oct 2018 14:42

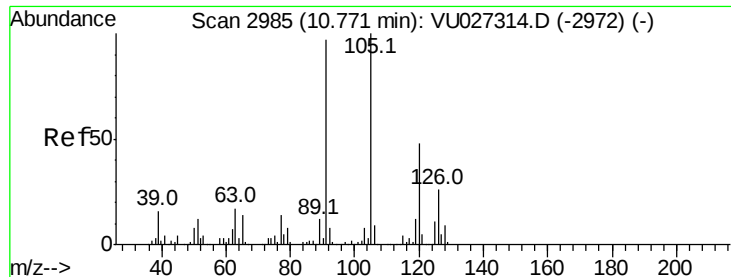
Tgt Ion: 91 Resp: 61453

Ion Ratio Lower Upper

91 100

120 20.2 10.6 31.8





#80

1,3,5-Trimethylbenzene

Concen: 11.218 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027407.D

Acq: 04 Oct 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

B-8(9-9.5)DL

Tot Ion:105 Resp: 66557

Ion Ratio Lower Upper

105 100

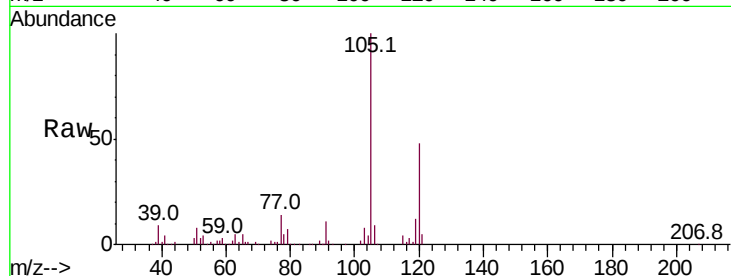
120 47.4 24.1 72.4

Manual Integrations

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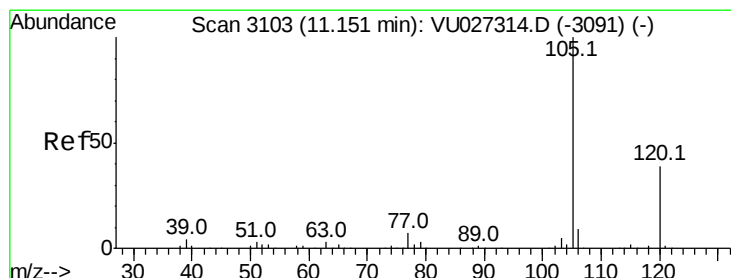
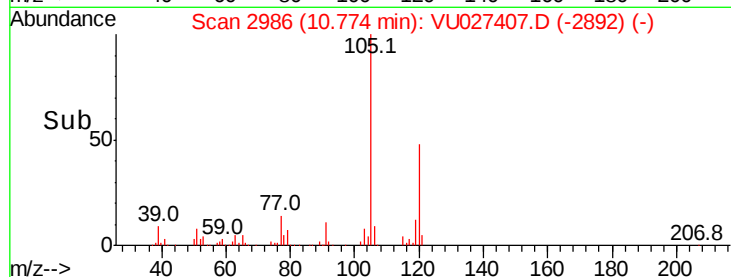
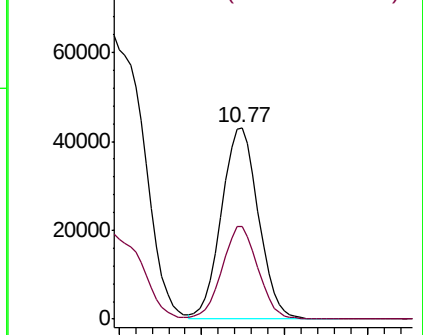
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 38.689 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. -0.00 min

Lab File: VU027407.D

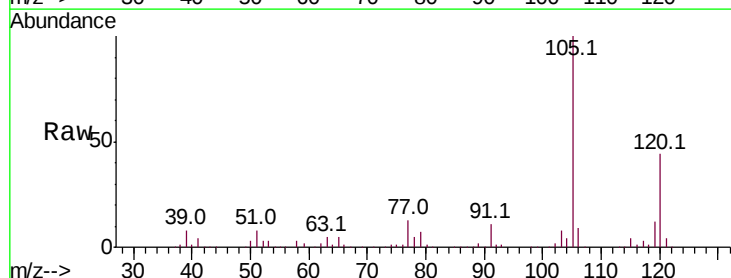
Acq: 04 Oct 2018 14:42

Tgt Ion:105 Resp: 234477

Ion Ratio Lower Upper

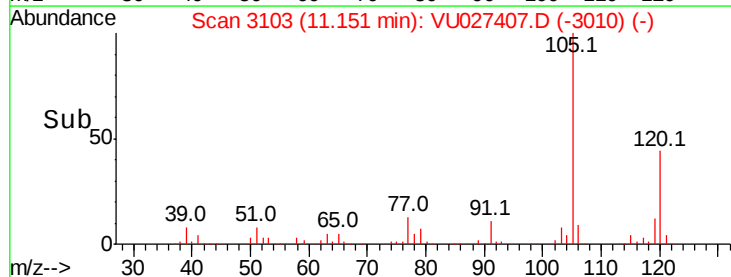
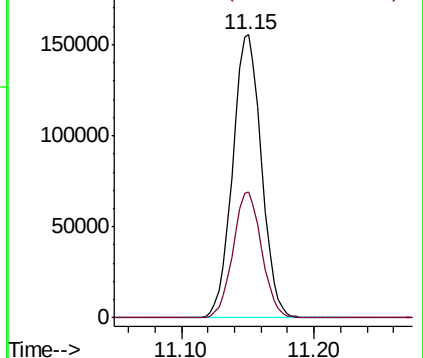
105 100

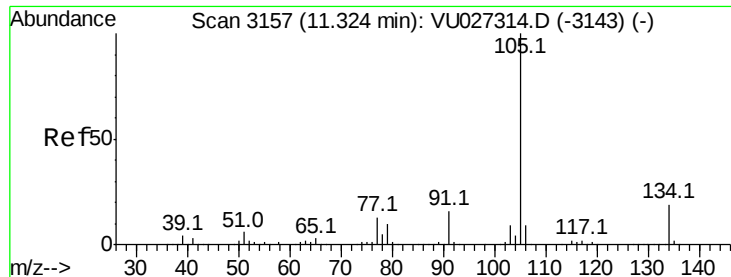
120 44.1 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.902 ug/l m

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027407.D

Acq: 04 Oct 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

B-8(9-9.5)DL

Tot Ion:105 Resp: 6522

Ion Ratio Lower Upper

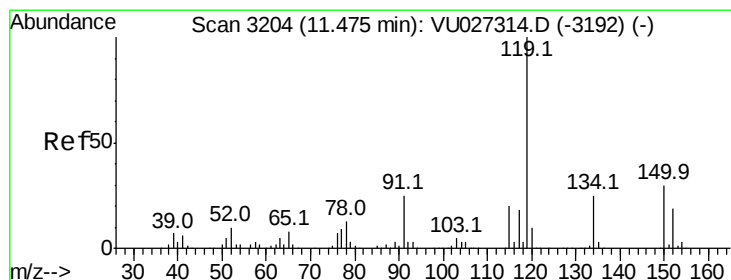
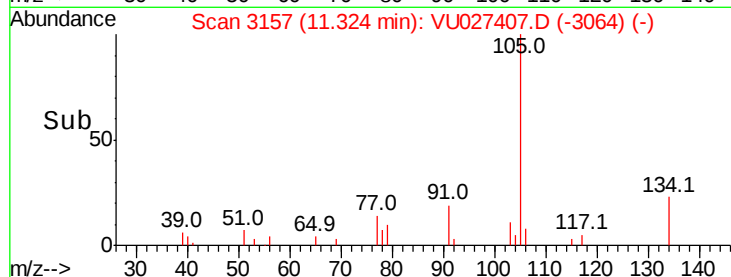
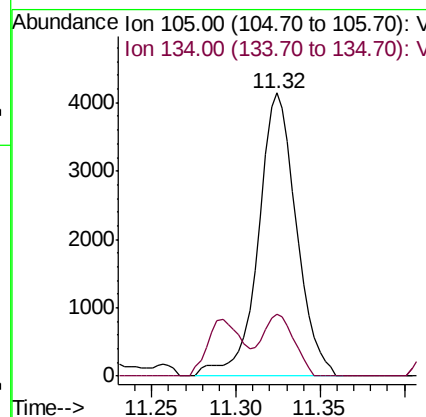
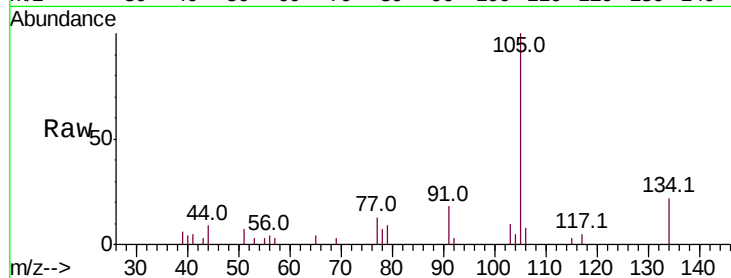
105 100

134 0.0 9.6 28.6#

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#86

p-Isopropyltoluene

Concen: 0.480 ug/l m

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027407.D

Acq: 04 Oct 2018 14:42

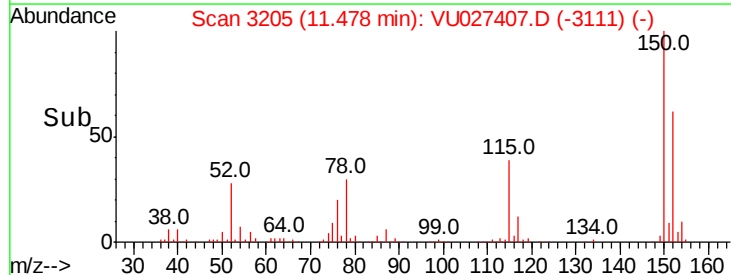
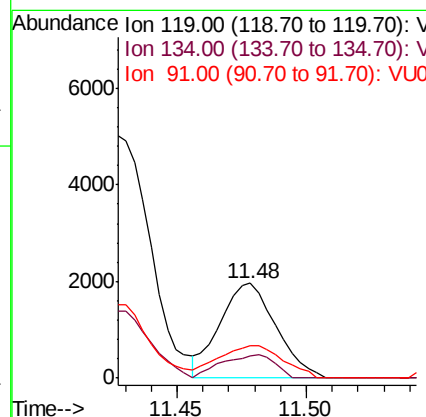
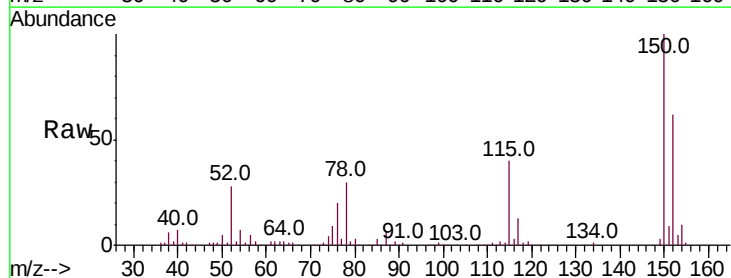
Tgt Ion:119 Resp: 2972

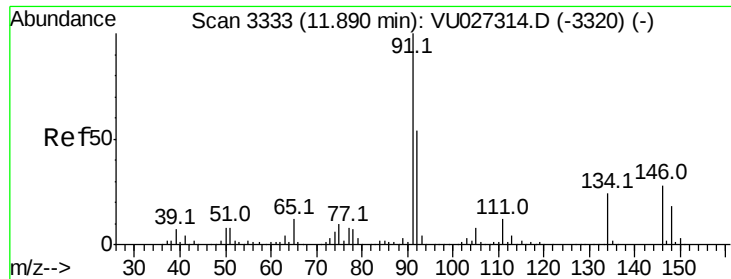
Ion Ratio Lower Upper

119 100

134 72.8 12.7 38.1#

91 77.7 12.2 36.4#





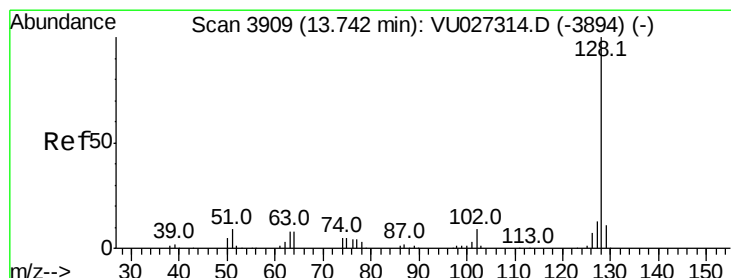
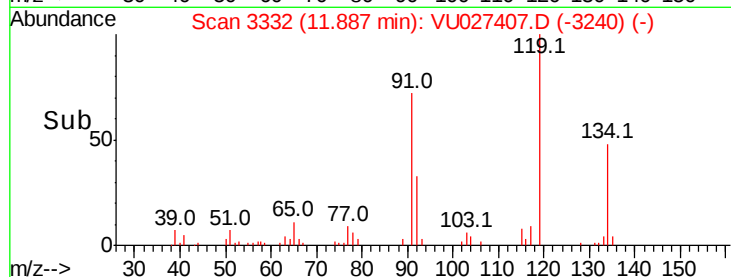
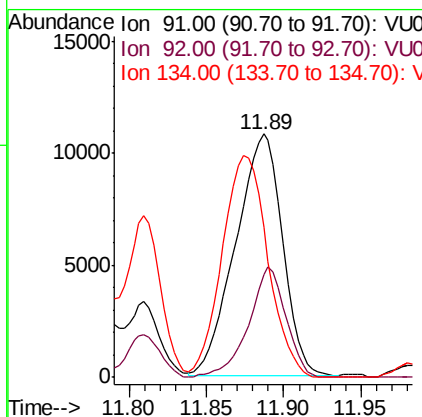
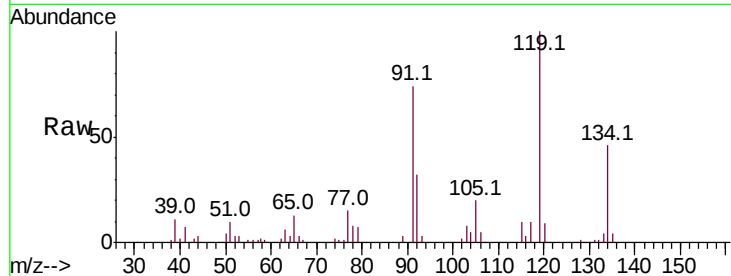
#89
n-Butylbenzene
Concen: 5.283 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU027407.D
Acq: 04 Oct 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
B-8(9-9.5)DL

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	36.3	27.0	81.0	
134	88.9	11.7	35.1#	

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#95
Naphthalene
Concen: 6.649 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027407.D
Acq: 04 Oct 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.5	10.5	15.7	
129	10.7	8.6	12.8	

