

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100418\
 Data File : VU027425.D
 Acq On : 04 Oct 2018 21:57
 Operator : MD/SY
 Sample : J5232-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:36 PM

Quant Time: Oct 08 11:03:30 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	109709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	196454	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	188644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	107775	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	106047	57.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.78%	
35) Dibromofluoromethane	4.88	113	77117	57.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.56%	
50) Toluene-d8	7.57	98	301232	59.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.56%	
62) 4-Bromofluorobenzene	10.31	95	112952	60.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.64%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	12540	32.506	ug/l #	72
18) Methyl Acetate	2.62	43	4964	2.011	ug/l #	84
31) Cyclohexane	5.00	56	43709	14.708	ug/l	99
39) Methylcyclohexane	6.42	83	33030	13.247	ug/l	95
40) Benzene	5.39	78	616901	99.287	ug/l	99
52) Toluene	7.64	92	41019	11.154	ug/l	98
67) Ethyl Benzene	9.25	91	1145193	162.781	ug/l	99
68) m/p-Xylenes	9.38	106	21400	8.316	ug/l	98
69) o-Xylene	9.78	106	18884	7.722	ug/l	99
73) Isopropylbenzene	10.17	105	50247	6.419	ug/l	100
78) n-propylbenzene	10.59	91	78651	8.362	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	101936	15.995	ug/l	99
83) tert-Butylbenzene	11.10	119	1559m	0.253	ug/l	
84) 1,2,4-Trimethylbenzene	11.15	105	1016131	156.093	ug/l	100
85) sec-Butylbenzene	11.32	105	6020m	0.776	ug/l	
86) p-Isopropyltoluene	11.48	119	3728	0.561	ug/l #	75
95) Naphthalene	13.74	128	453801	55.505	ug/l	100

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

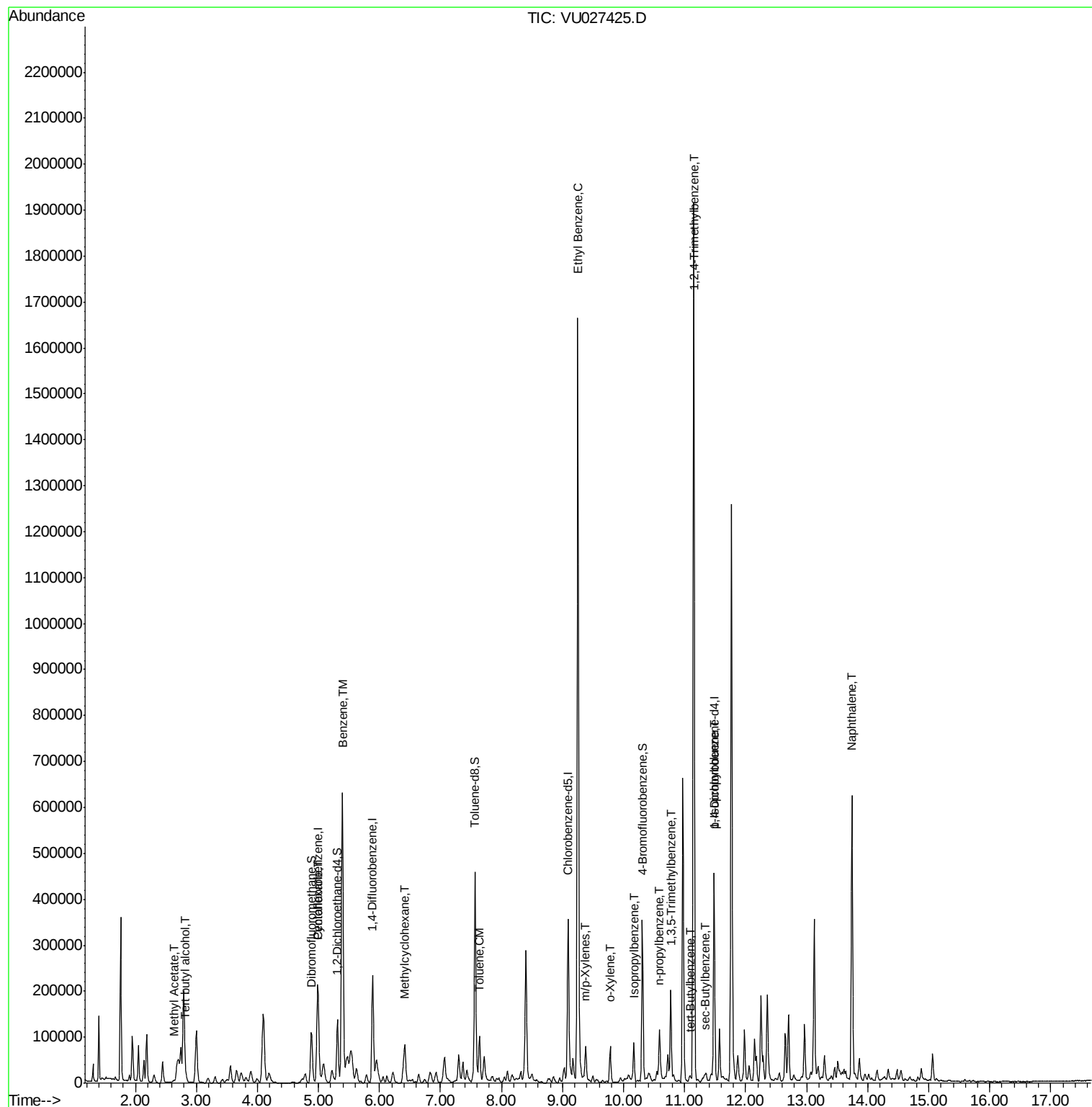
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027425.D
Acq On : 04 Oct 2018 21:57
Operator : MD/SY
Sample : J5232-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

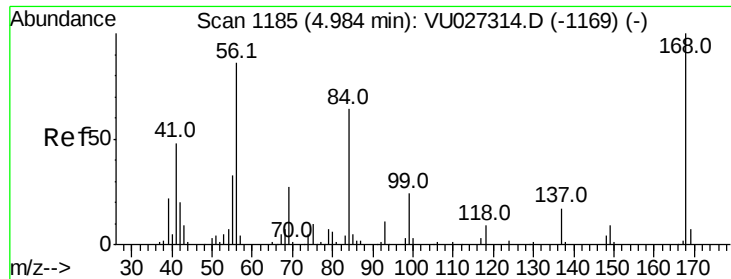
Instrument :
MSVOA_U
ClientSampleId :
MW-3

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Quant Time: Oct 08 11:03:30 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: VU027425.D

Acq: 04 Oct 2018 21:57

Instrument :

MSVOA_U

ClientSampled :

MW-3

Tot Ion:168 Resp: 109709

Ion Ratio Lower Upper

168 100

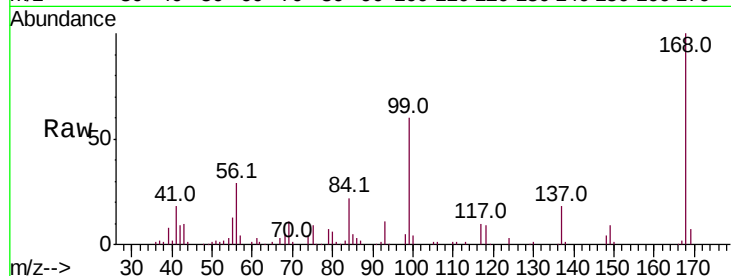
99 59.5 50.8 76.2

Manual Integrations

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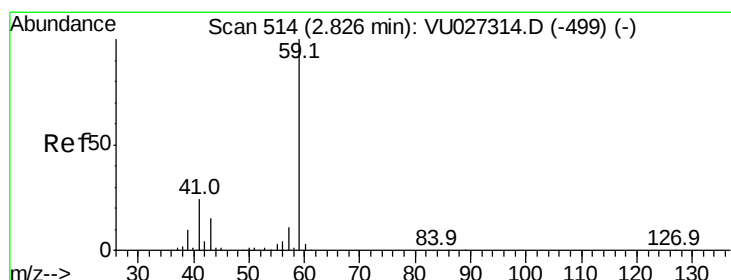
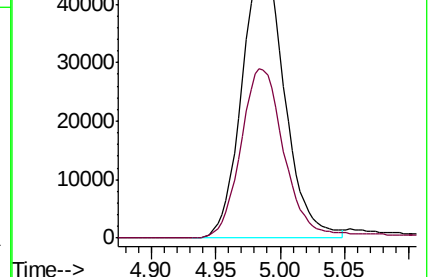
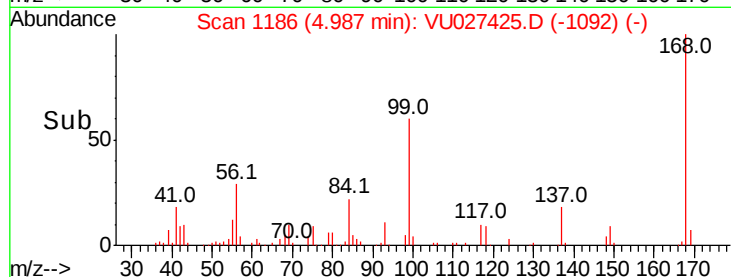


Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

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

4.99

Time-->



#11

Tert butyl alcohol

Concen: 32.506 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU027425.D

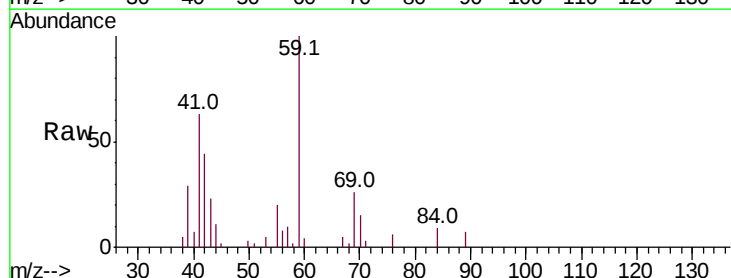
Acq: 04 Oct 2018 21:57

Tgt Ion: 59 Resp: 12540

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#

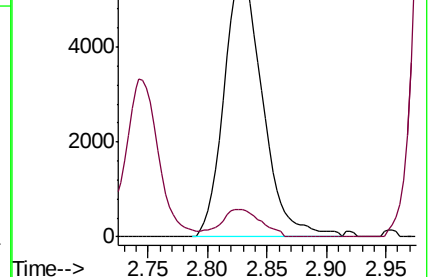
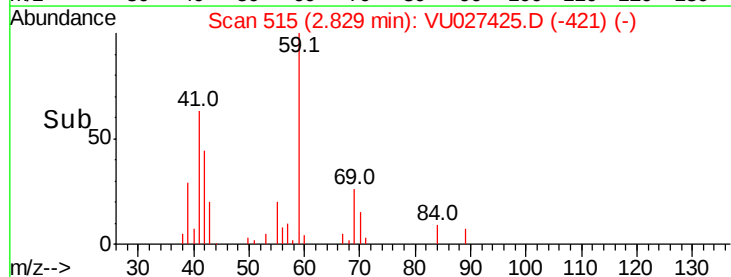


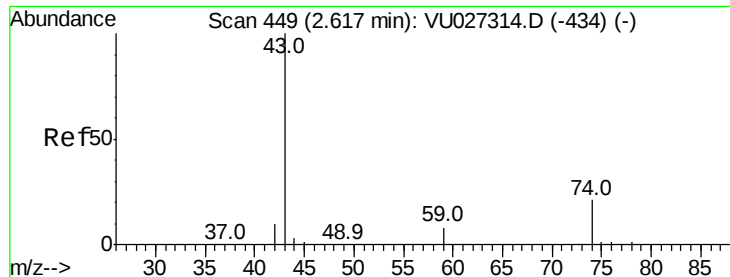
Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

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

2.83

Time-->





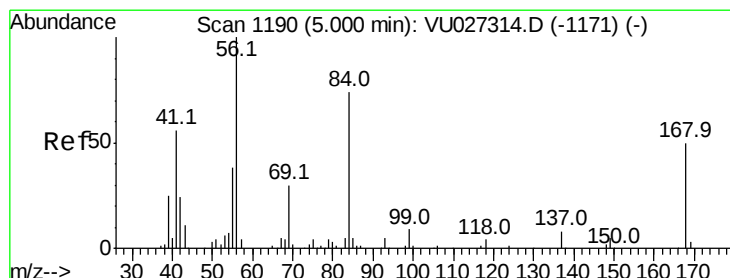
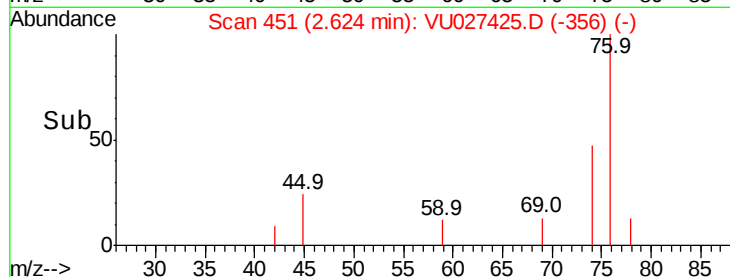
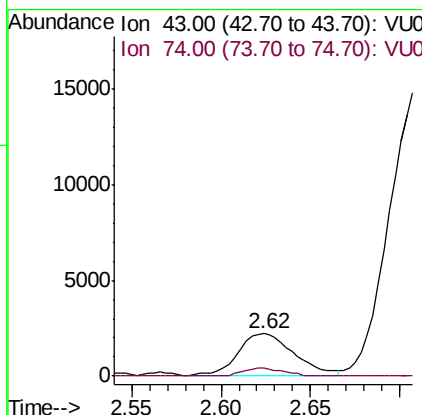
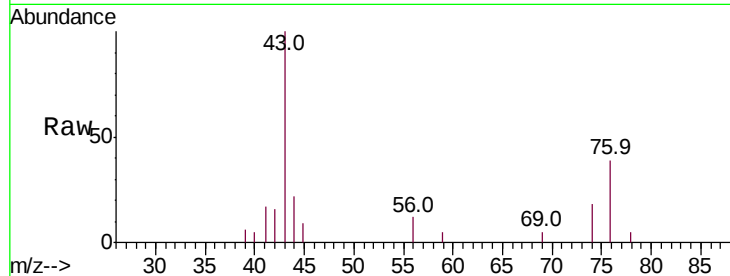
#18
Methvl Acetate
Concen: 2.011 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
MW-3

Tot Ion: 43 Resp: 4964
Ion Ratio Lower Upper
43 100
74 13.0 16.5 24.7#

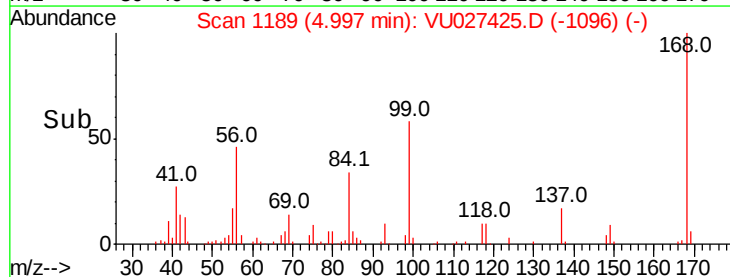
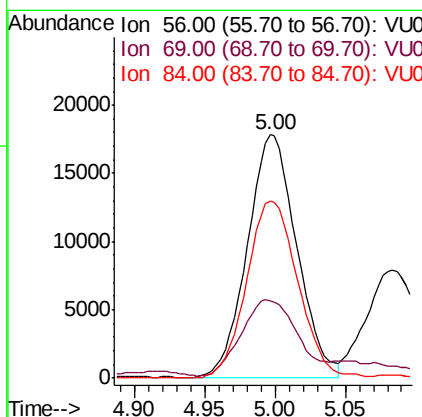
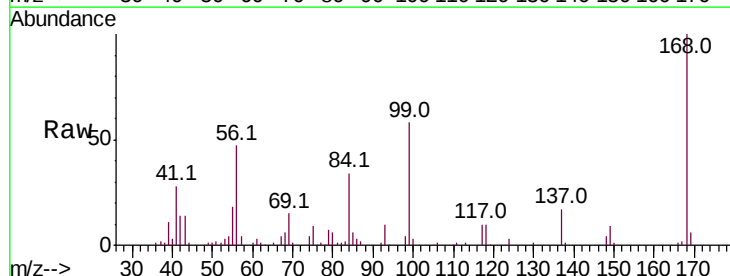
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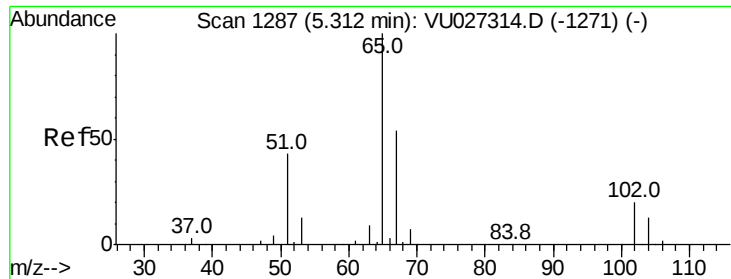
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#31
Cyclohexane
Concen: 14.708 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Tgt Ion: 56 Resp: 43709
Ion Ratio Lower Upper
56 100
69 30.2 24.1 36.1
84 73.0 59.1 88.7





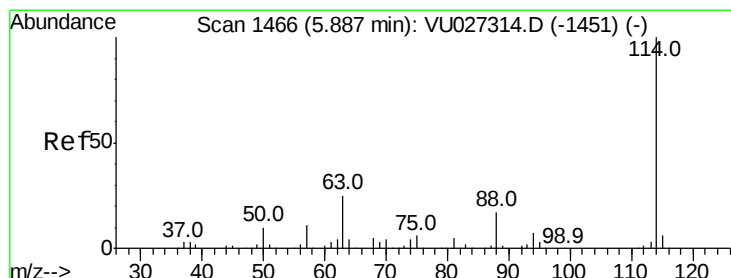
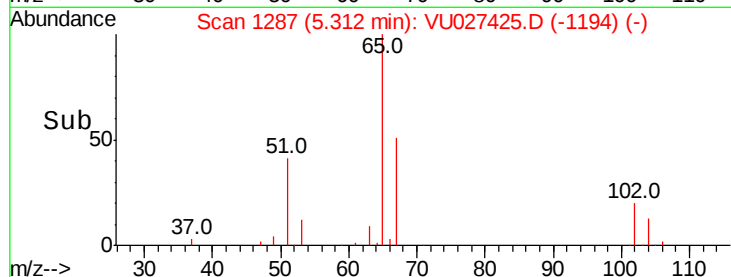
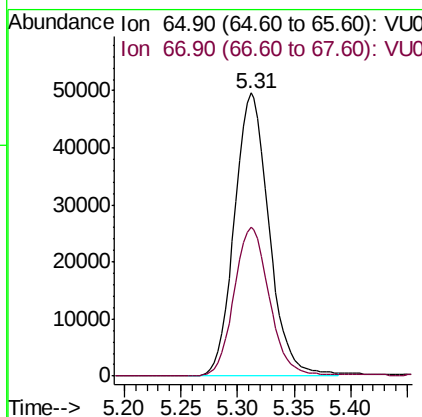
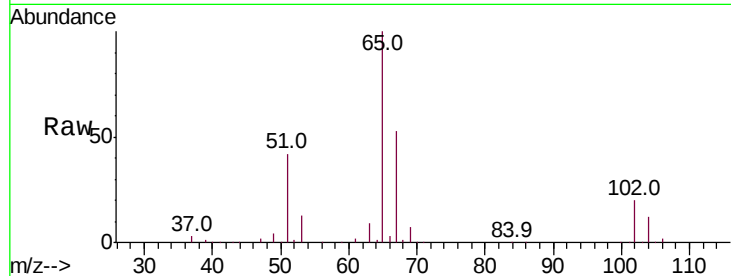
#33
 1,2-Dichloroethane-d4
 Concen: 57.888 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027425.D
 Acq: 04 Oct 2018 21:57

Instrument :
 MSVOA_U
 ClientSampled :
 MW-3

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.8

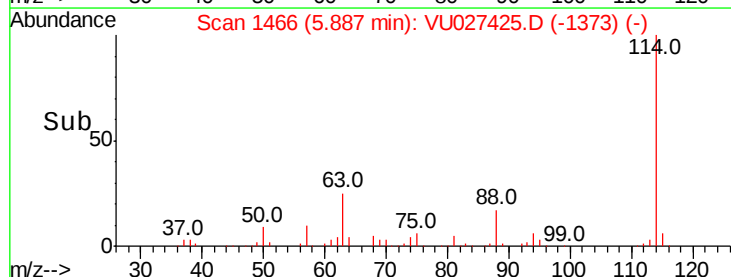
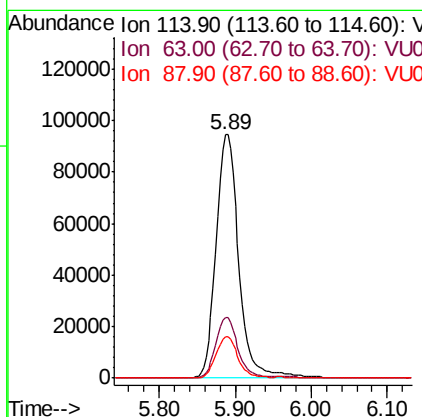
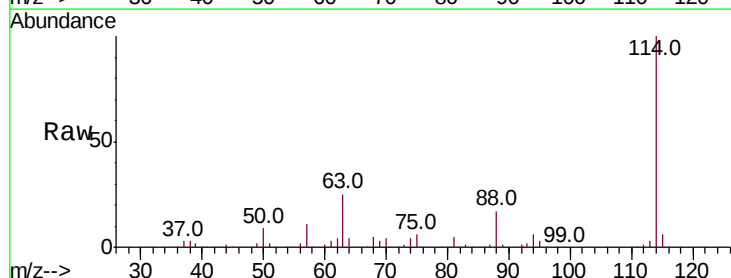
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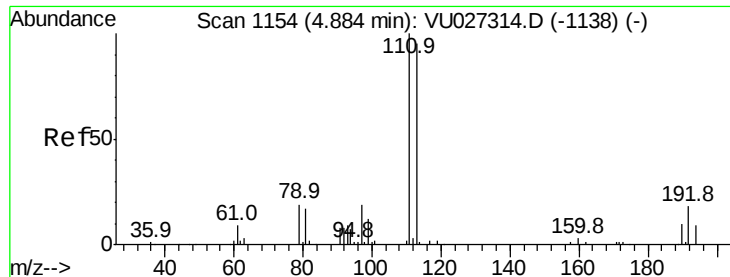
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027425.D
 Acq: 04 Oct 2018 21:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	50.2
88	16.9	0.0	33.8





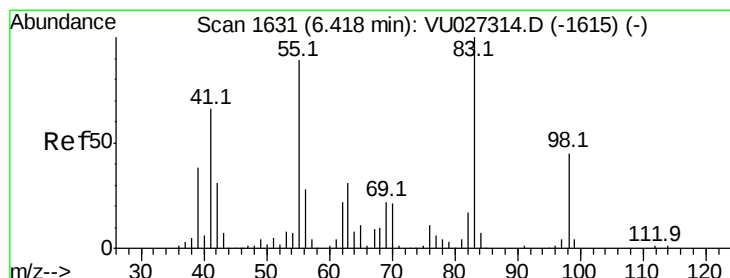
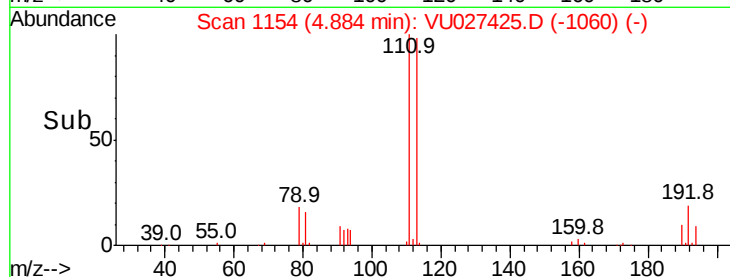
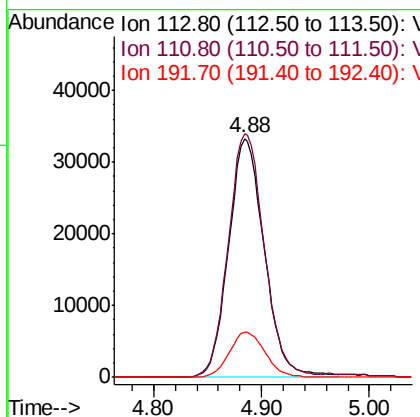
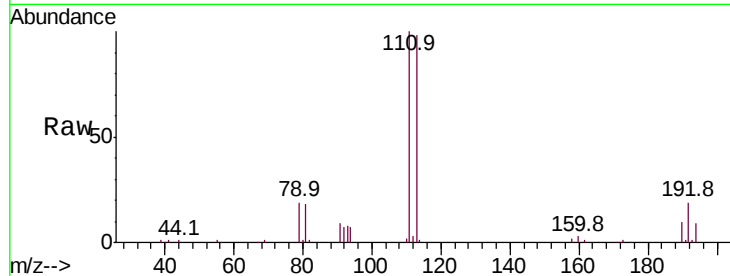
#35
Dibromofluoromethane
Concen: 57.278 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.1	124.7
192	18.9	15.4	23.0

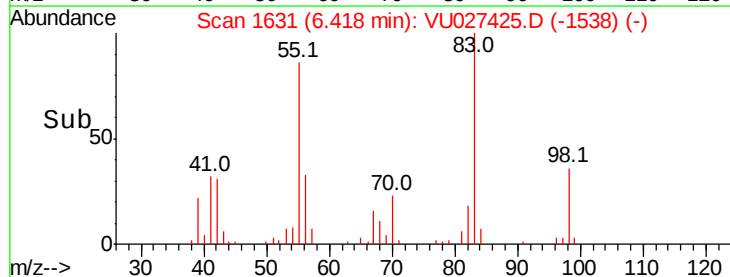
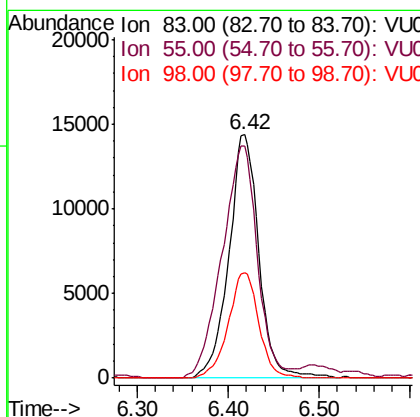
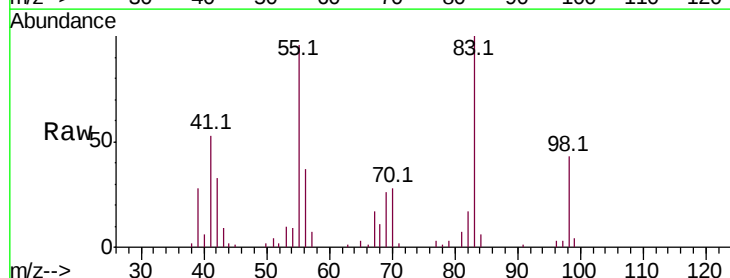
Manual Integrations
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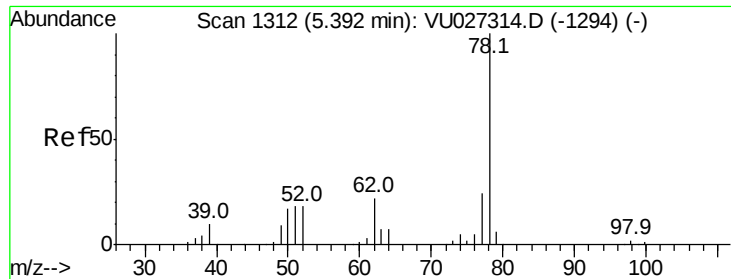
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#39
Methylcyclohexane
Concen: 13.247 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Tgt Ion	Ratio	Lower	Upper
83	100		
55	94.0	71.1	106.7
98	43.4	36.3	54.5





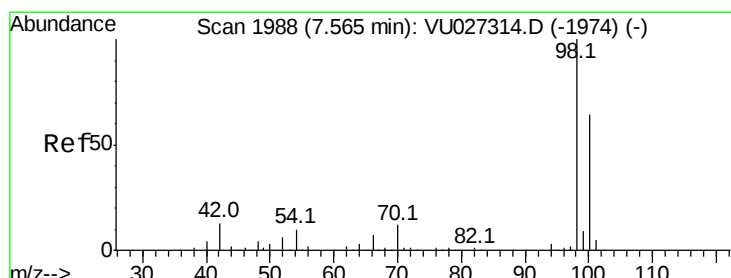
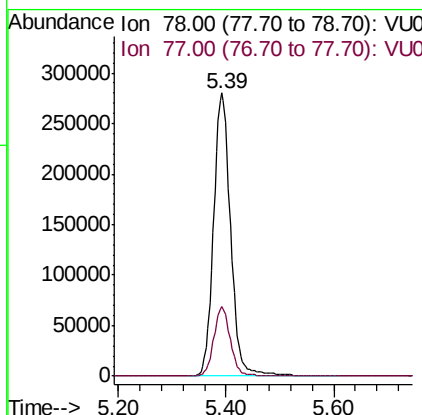
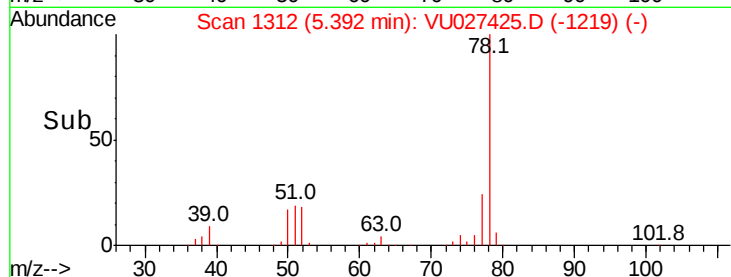
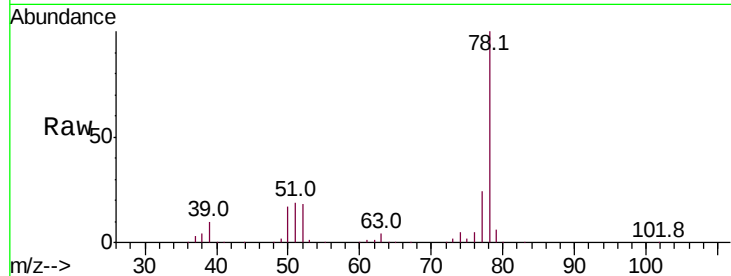
#40
Benzene
Concen: 99.287 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
MW-3

Tot Ion: 78 Resp: 616901
Ion Ratio Lower Upper
78 100
77 24.4 19.3 28.9

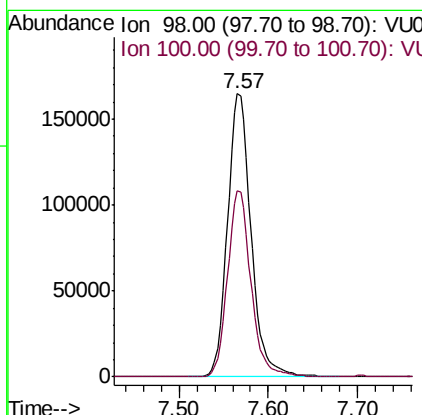
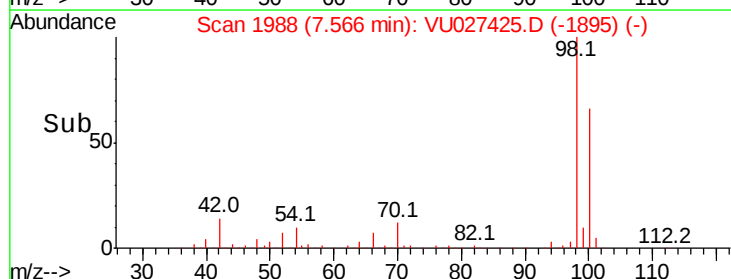
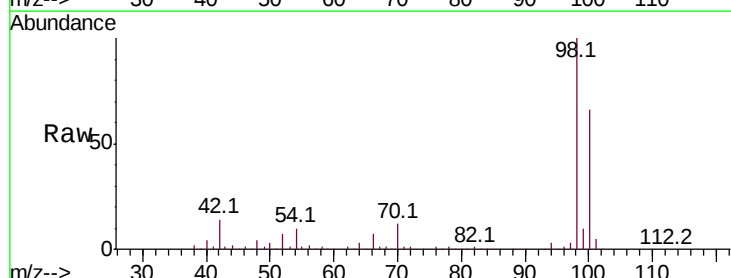
Manual Integrations
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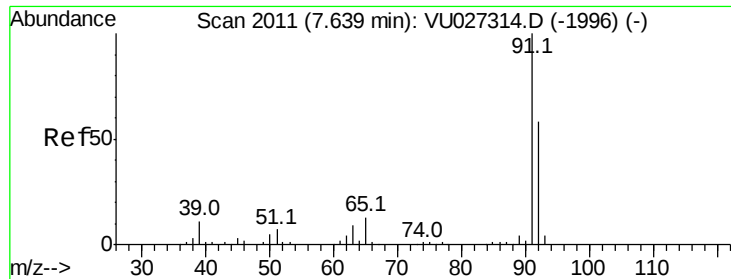
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#50
Toluene-d8
Concen: 59.780 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Tgt Ion: 98 Resp: 301232
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1





#52

Toluene

Concen: 11.154 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027425.D

Acq: 04 Oct 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

MW-3

Tot Ion: 92 Resp: 41019

Ion Ratio Lower Upper

92 100

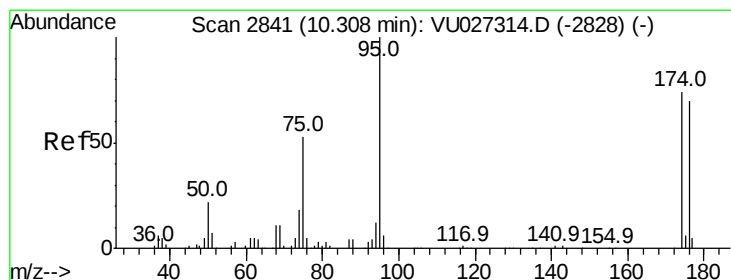
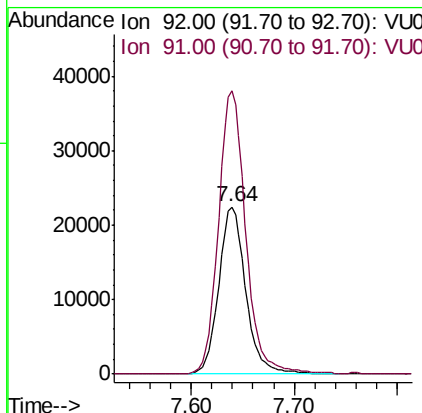
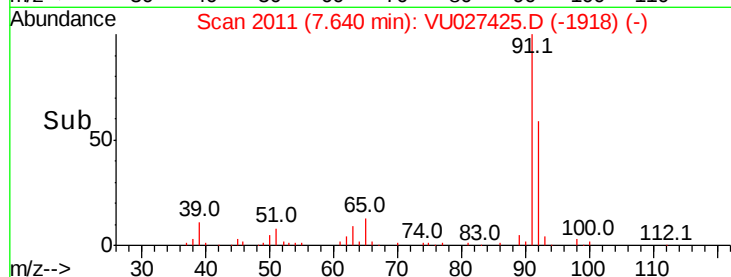
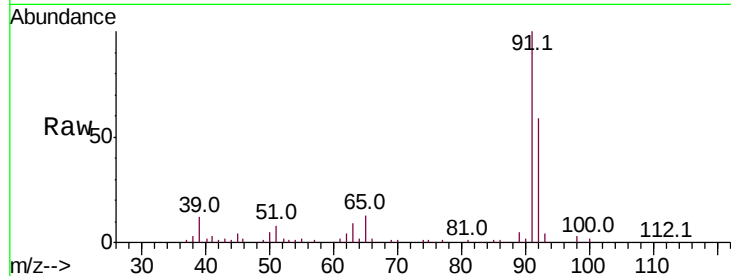
91 171.0 138.6 208.0

Manual Integrations

APPROVED

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10/8/2018 1:52:36 PM



#62

4-Bromofluorobenzene

Concen: 60.315 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027425.D

Acq: 04 Oct 2018 21:57

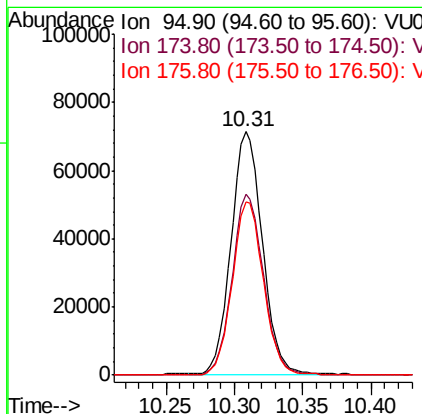
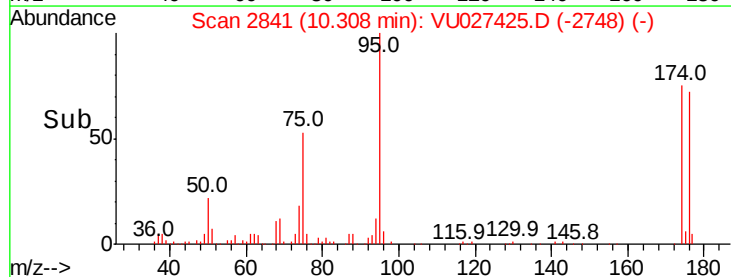
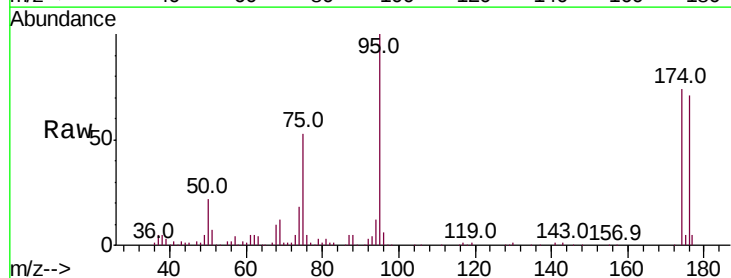
Tgt Ion: 95 Resp: 112952

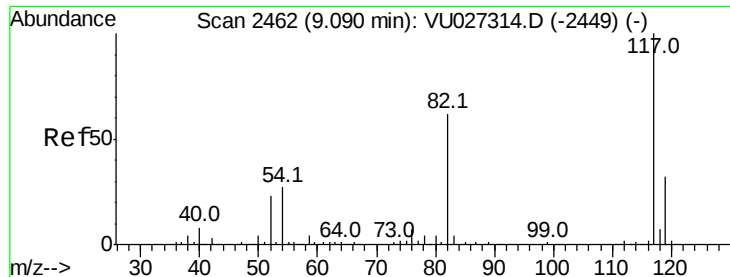
Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.8

176 71.7 0.0 140.8





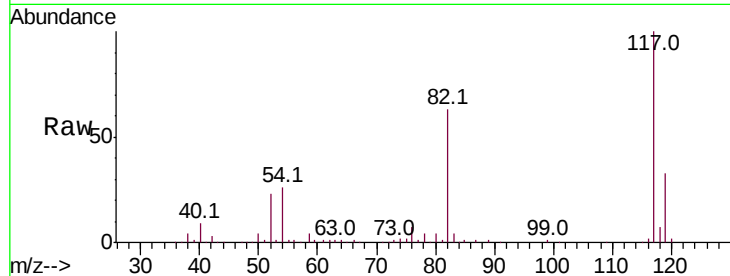
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Instrument :
MSVOA_U
ClientSampled :
MW-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.1	49.2	73.8
119	32.6	25.7	38.5

Manual Integrations
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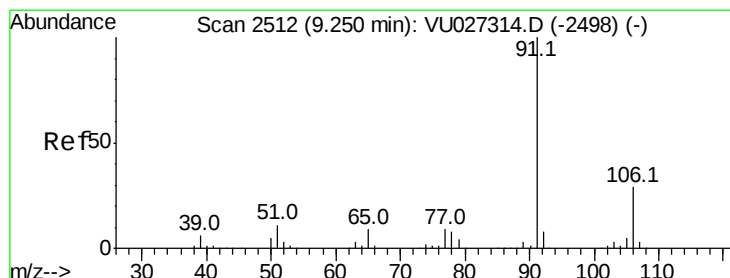
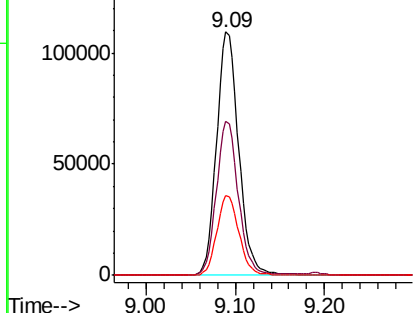
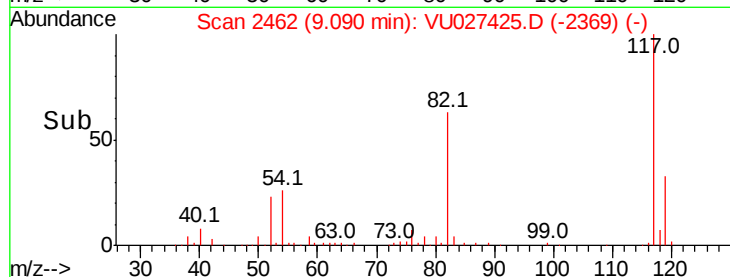


Abundance

Ion 116.90 (116.60 to 117.60): V

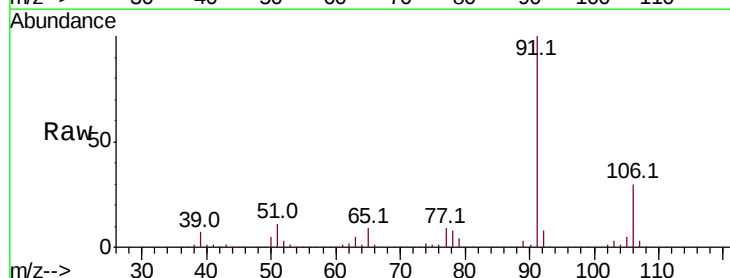
Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#67
Ethyl Benzene
Concen: 162.781 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

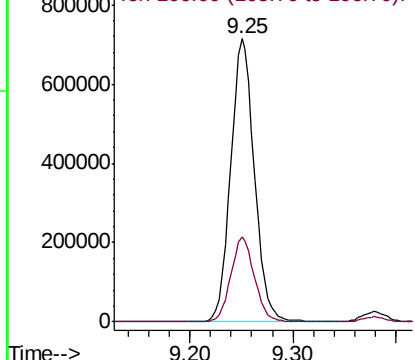
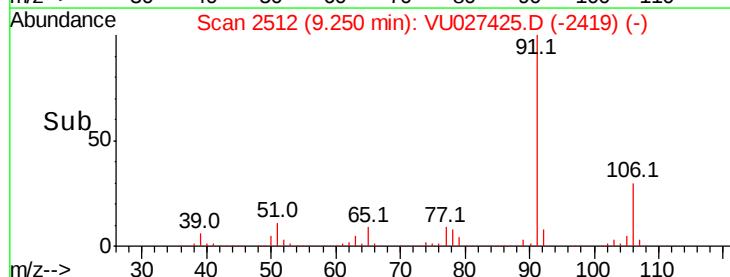
Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.6	35.4

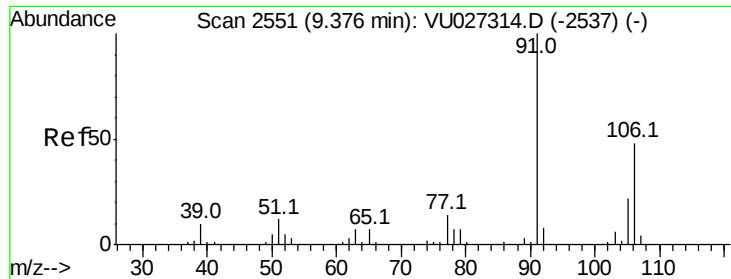


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





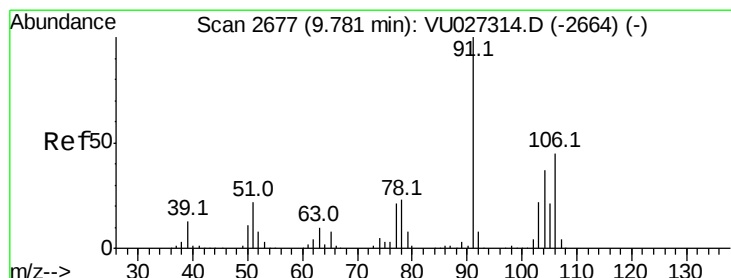
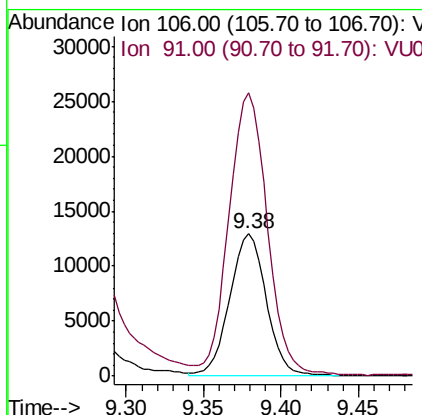
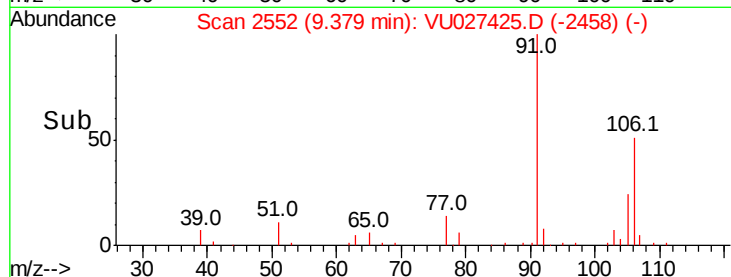
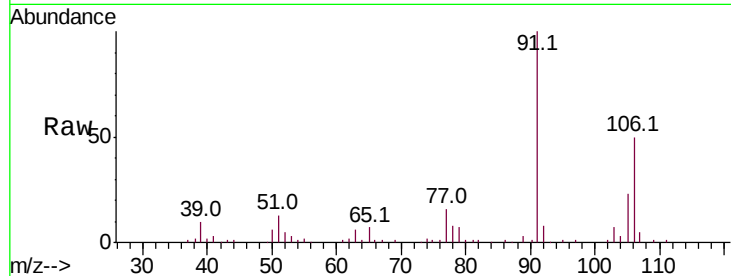
#68
m/p-Xylenes
Concen: 8.316 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Instrument :
MSVOA_U
ClientSampled :
MW-3

Tot Ion:106 Resp: 21400
Ion Ratio Lower Upper
106 100
91 206.9 168.1 252.1

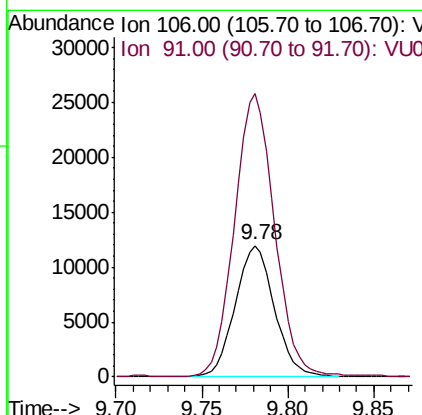
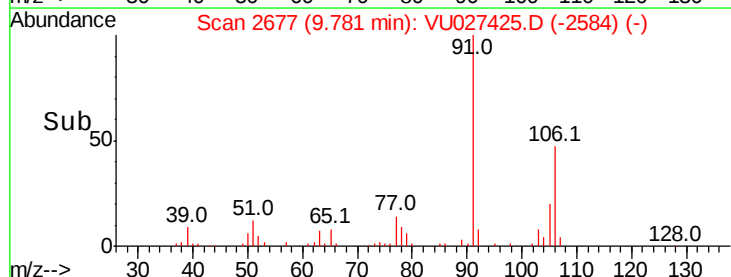
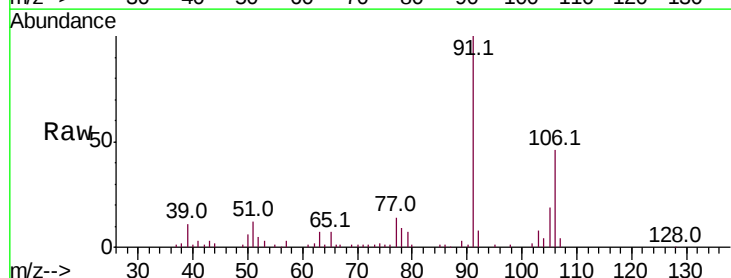
Manual Integrations
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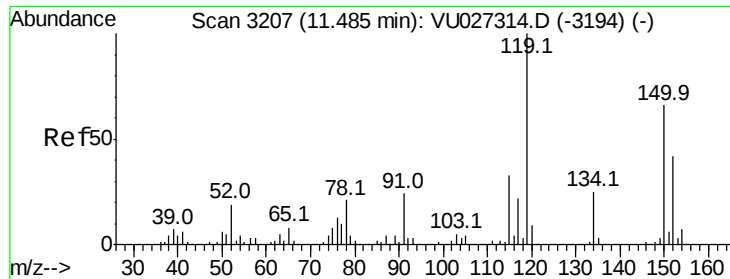
MMDadoda
10/8/2018 1:52:36 PM



#69
o-Xylene
Concen: 7.722 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Tgt Ion:106 Resp: 18884
Ion Ratio Lower Upper
106 100
91 221.7 111.7 334.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027425.D

Acq: 04 Oct 2018 21:57

Instrument :

MSVOA_U

ClientSampled :

MW-3

Tot Ion:152 Resp: 107775

Ion Ratio Lower Upper

152 100

115 59.8 43.4 130.2

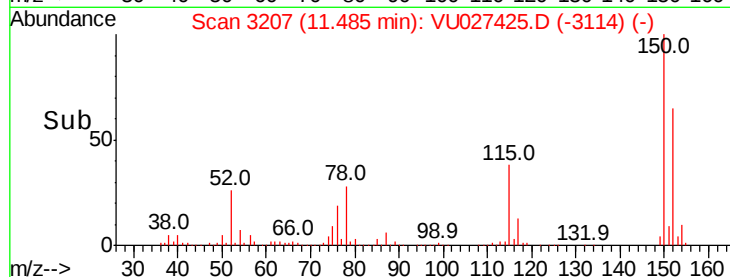
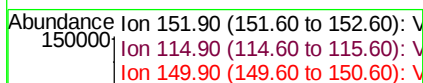
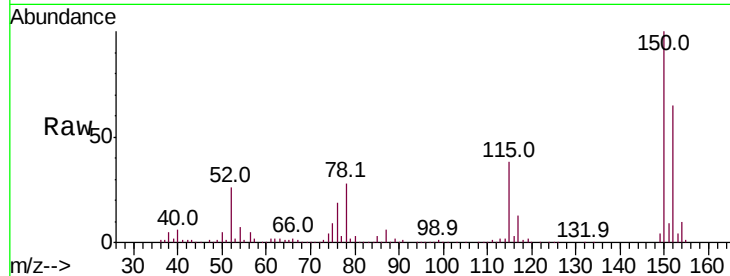
150 155.5 0.0 349.2

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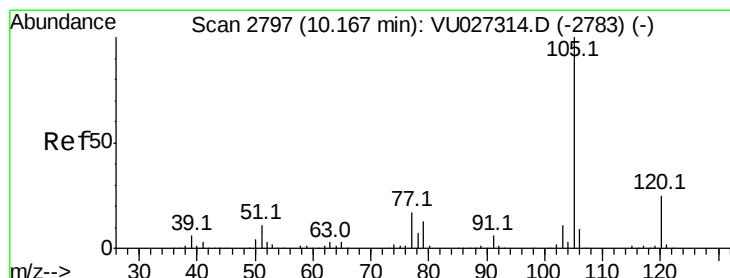
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Time-->



#73

Isopropylbenzene

Concen: 6.419 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027425.D

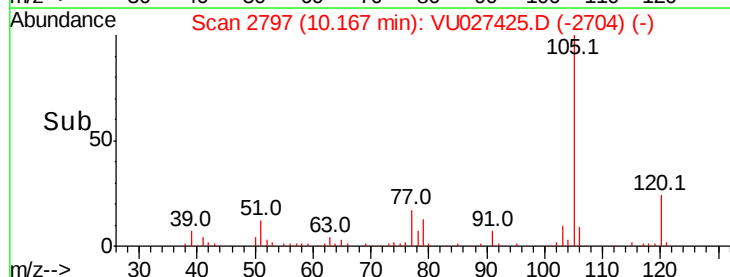
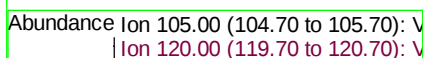
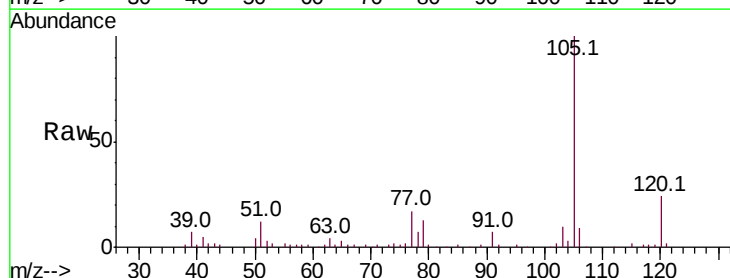
Acq: 04 Oct 2018 21:57

Tgt Ion:105 Resp: 50247

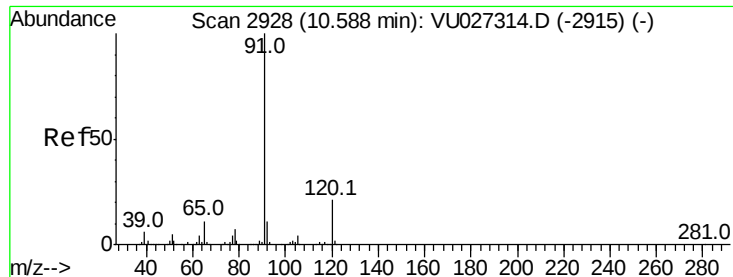
Ion Ratio Lower Upper

105 100

120 25.4 12.6 37.8



Time-->



#78

n-propylbenzene

Concen: 8.362 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027425.D

Acq: 04 Oct 2018 21:57

Instrument :

MSVOA_U

ClientSampled :

MW-3

Tot Ion: 91 Resp: 78651

Ion Ratio Lower Upper

91 100

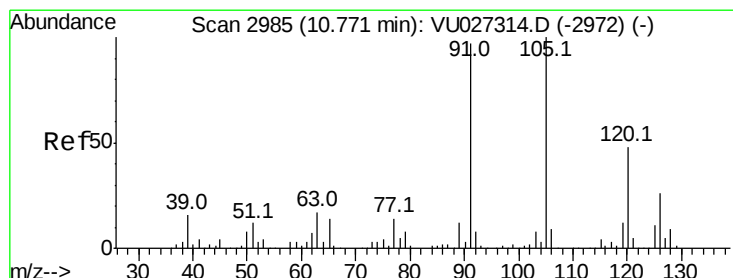
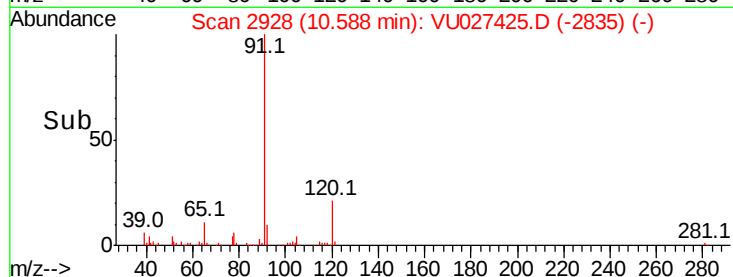
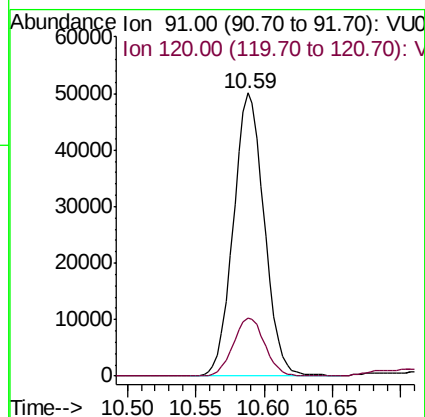
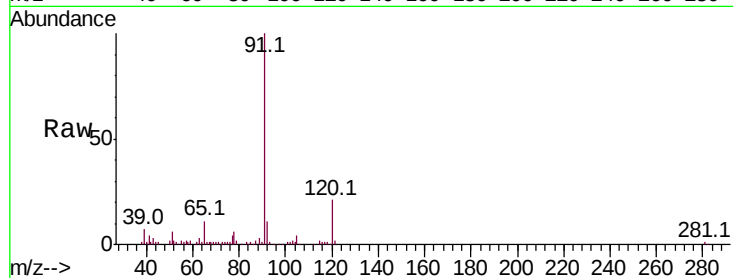
120 20.9 10.6 31.8

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#80

1,3,5-Trimethylbenzene

Concen: 15.995 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027425.D

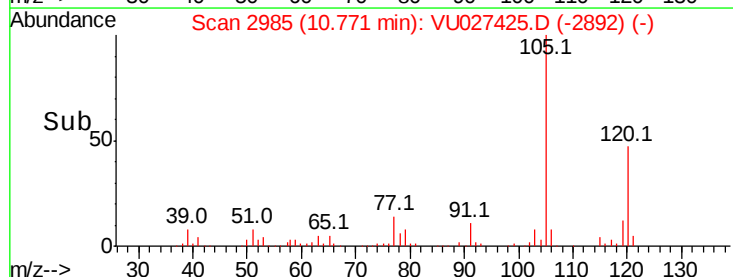
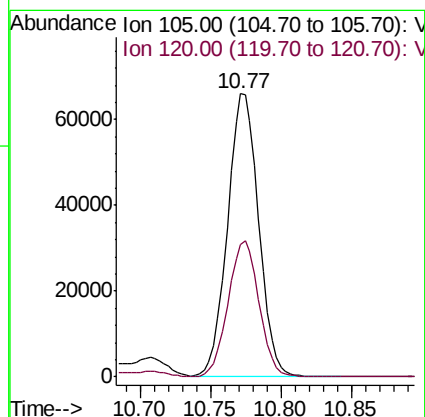
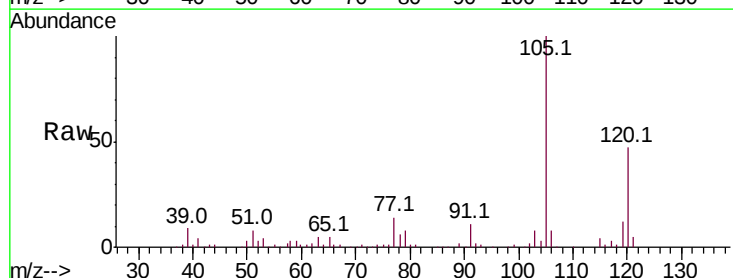
Acq: 04 Oct 2018 21:57

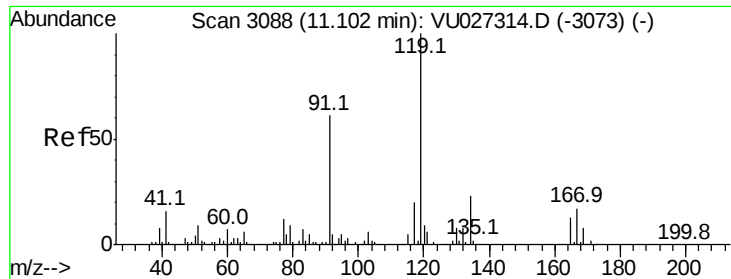
Tgt Ion: 105 Resp: 101936

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4





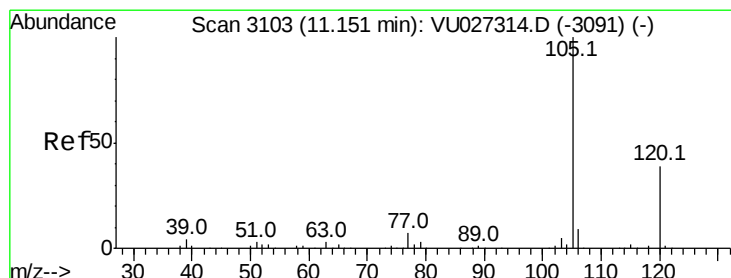
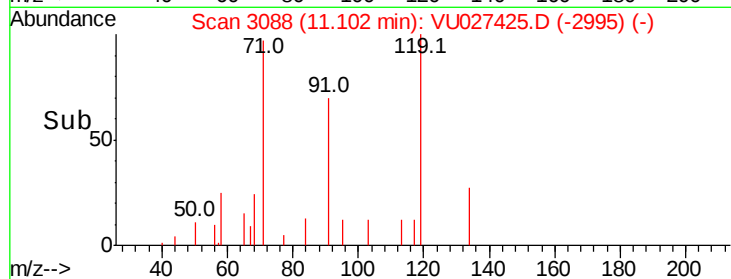
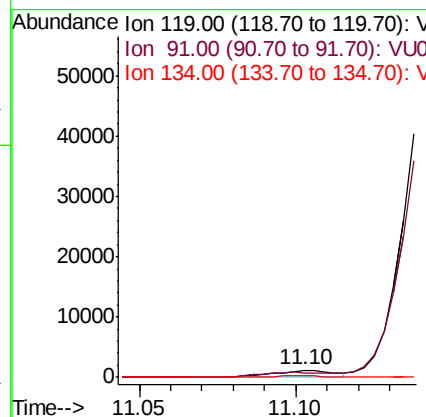
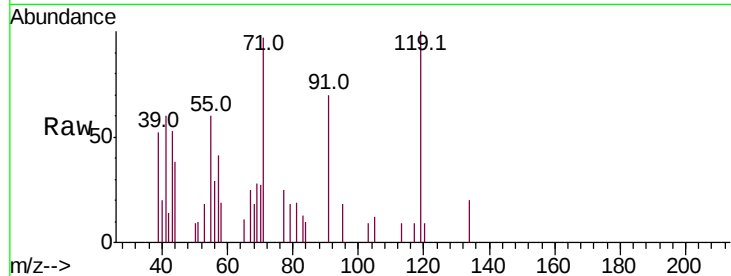
#83
tert-Butylbenzene
Concen: 0.253 ug/l m
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Instrument :
MSVOA_U
ClientSampled :
MW-3

Tot Ion:119 Resp: 1559
Ion Ratio Lower Upper
119 100
91 6729.9 30.3 91.0
134 0.0 11.5 34.4#

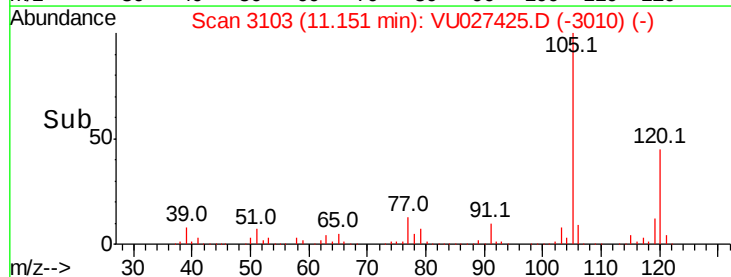
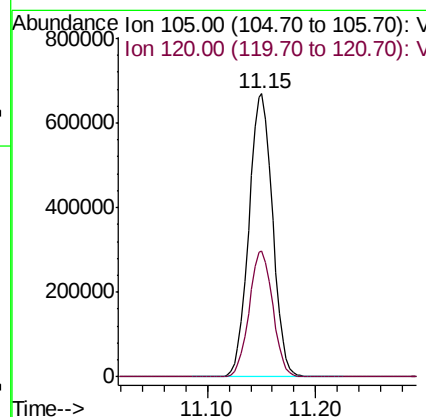
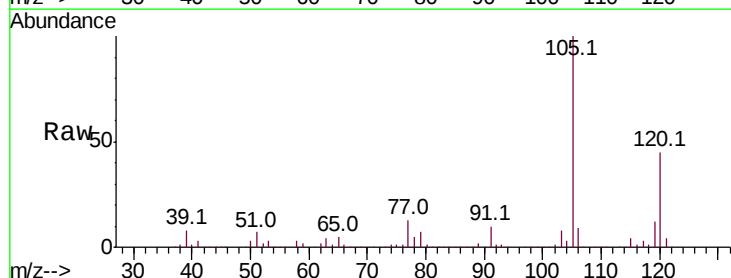
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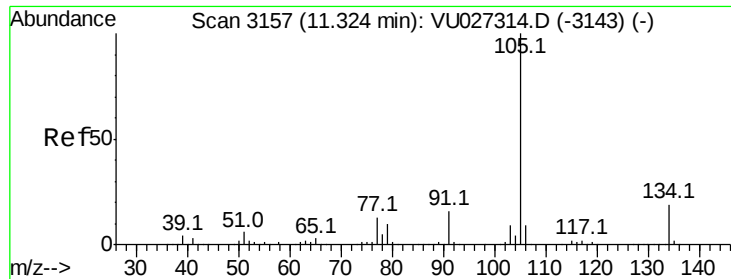
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#84
1,2,4-Trimethylbenzene
Concen: 156.093 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Tgt Ion:105 Resp: 1016131
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.5





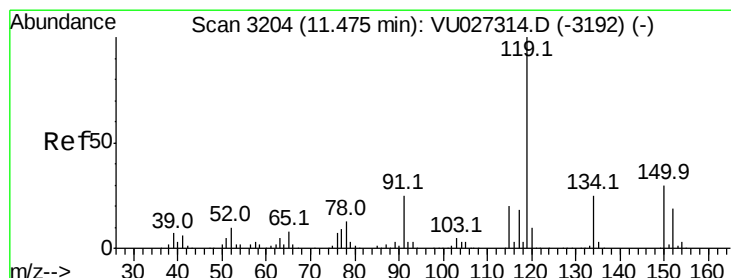
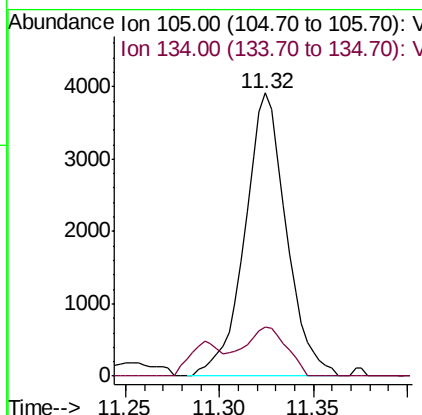
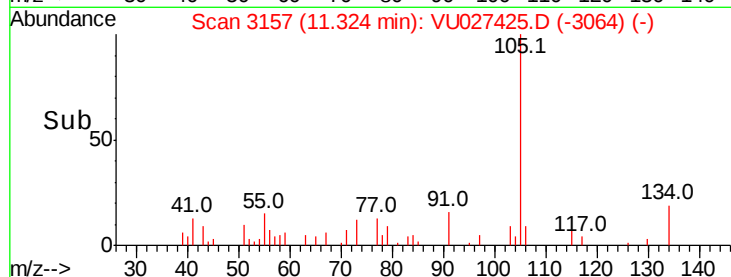
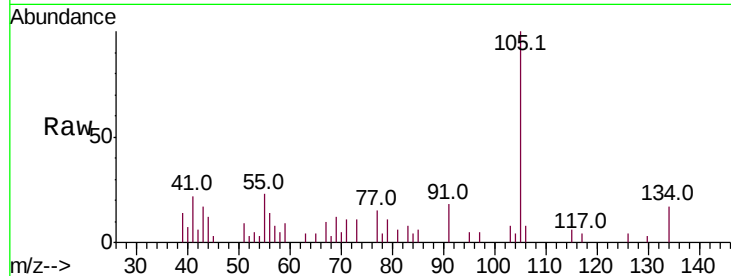
#85
 sec-Butylbenzene
 Concen: 0.776 ug/l m
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027425.D
 Acq: 04 Oct 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-3

Tot Ion:105 Resp: 6020
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#

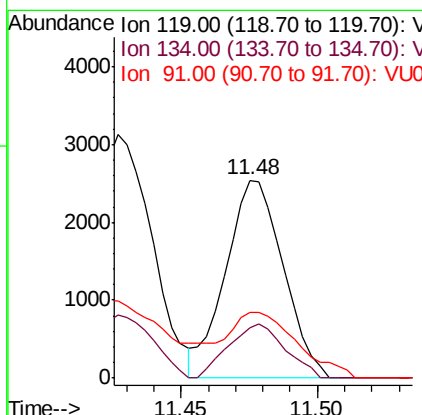
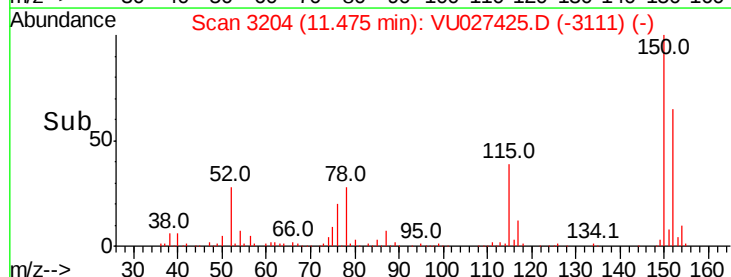
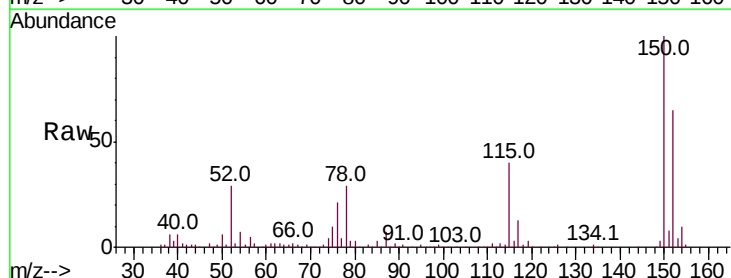
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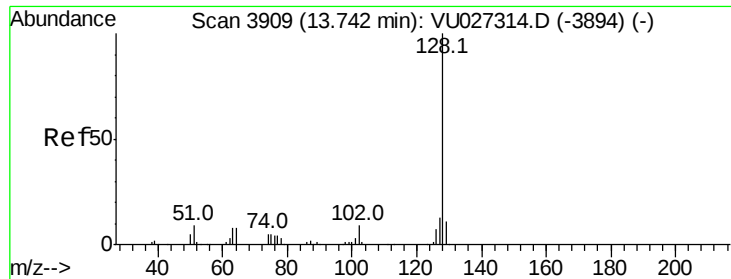
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#86
 p-Isopropyltoluene
 Concen: 0.561 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027425.D
 Acq: 04 Oct 2018 21:57

Tgt Ion:119 Resp: 3728
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.7 38.1
 91 0.0 12.2 36.4#





#95
Naphthalene
Concen: 55.505 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027425.D
Acq: 04 Oct 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.6	12.8

Manual Integrations
APPROVED

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