

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025195.D
 Acq On : 03 Jul 2018 17:37
 Operator : MD/SY
 Sample : J3783-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S10-0148

Manual Integrations
 APPROVED

sam
 7/5/2018 2:30:15 PM

Quant Time: Jul 04 05:54:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	203331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304366	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154816	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	155178	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	4.89	113	120609	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	7.57	98	443089	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	10.31	95	166459	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.82	59	9831	12.177	ug/l	100
16) Acetone	2.32	43	8747	4.904	ug/l	89
31) Cyclohexane	5.00	56	10278	0.403	ug/l #	56
39) Methylcyclohexane	6.42	83	16400	3.674	ug/l	96
40) Benzene	5.39	78	31210	3.062	ug/l	99
51) 4-Methyl-2-Pentanone	7.47	43	4767	1.126	ug/l	94
59) 2-Hexanone	8.37	43	30209m	8.741	ug/l	
67) Ethyl Benzene	9.25	91	812991	63.208	ug/l	98
68) m/p-Xylenes	9.38	106	25634	5.190	ug/l	92
69) o-Xylene	9.79	106	2129	0.436	ug/l	94
73) Isopropylbenzene	10.17	105	147459	12.406	ug/l	99
78) n-propylbenzene	10.59	91	162659	11.617	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	21016	2.040	ug/l	93
83) tert-Butylbenzene	11.10	119	3832	0.387	ug/l	86
84) 1,2,4-Trimethylbenzene	11.15	105	9011	0.858	ug/l	100
85) sec-Butylbenzene	11.33	105	19046	1.535	ug/l	98
86) p-Isopropyltoluene	11.48	119	18825	1.694	ug/l	97
95) Naphthalene	13.75	128	173739	15.734	ug/l	99

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

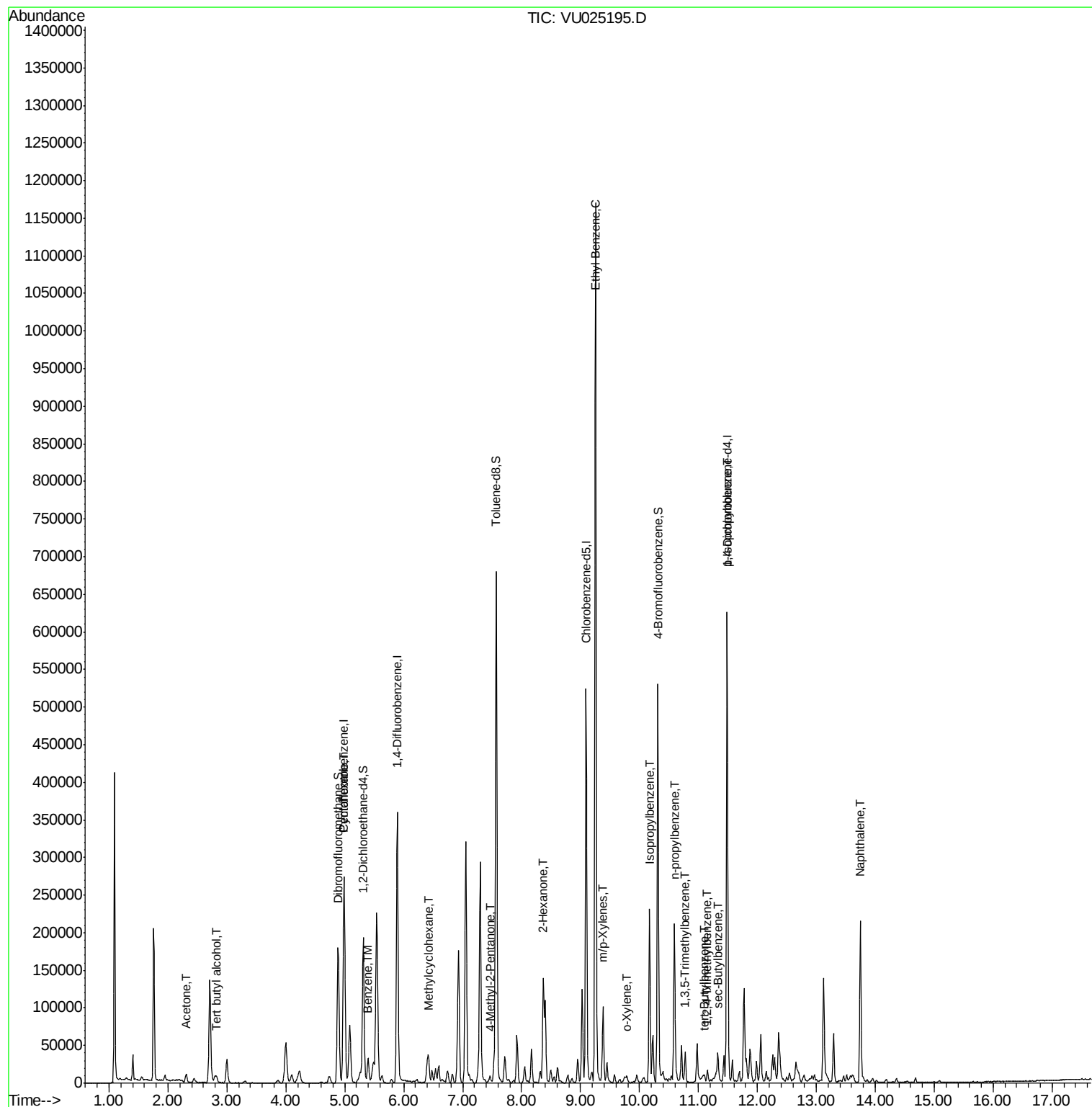
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070318\
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S10-0148

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Quant Time: Jul 04 05:54:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampled :

S10-0148

Tot Ion:168 Resp: 203331

Ion Ratio Lower Upper

168 100

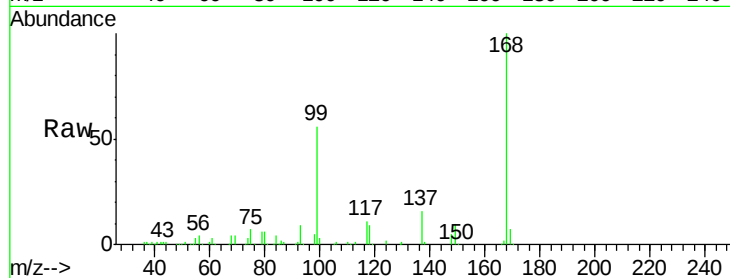
99 55.7 43.2 64.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

80000

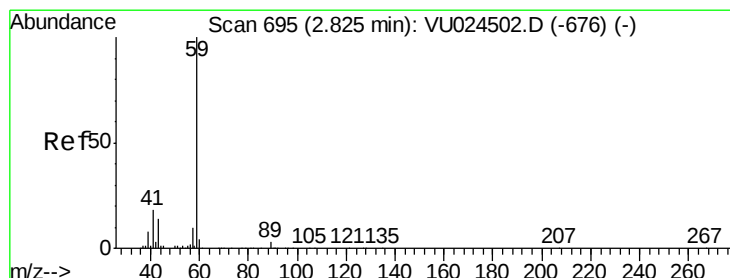
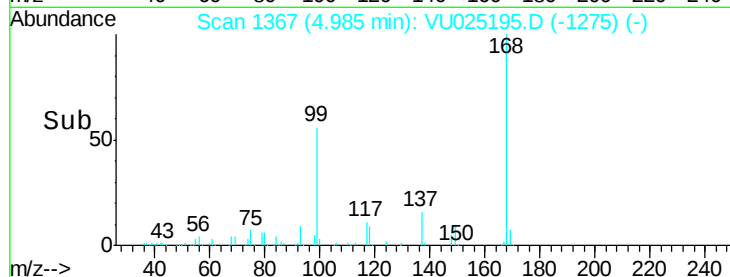
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 12.177 ug/l

RT: 2.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VU025195.D

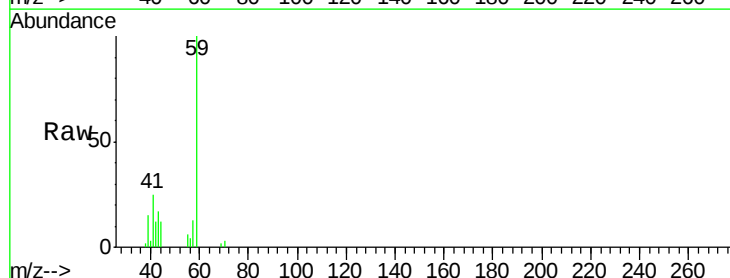
Acq: 03 Jul 2018 17:37

Tgt Ion: 59 Resp: 9831

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.82

5000

4000

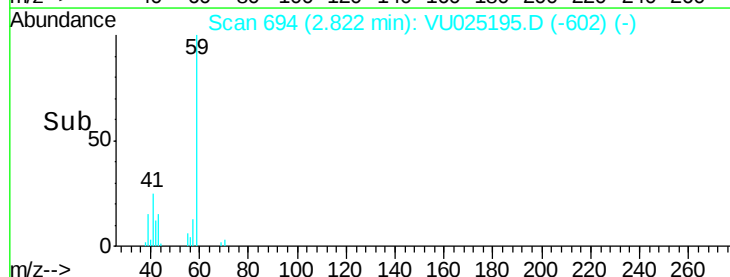
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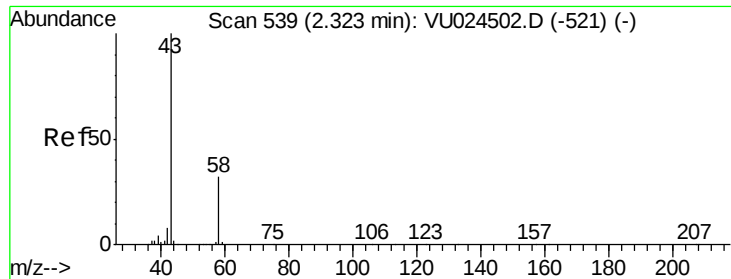
2000

1000

0

Time-->





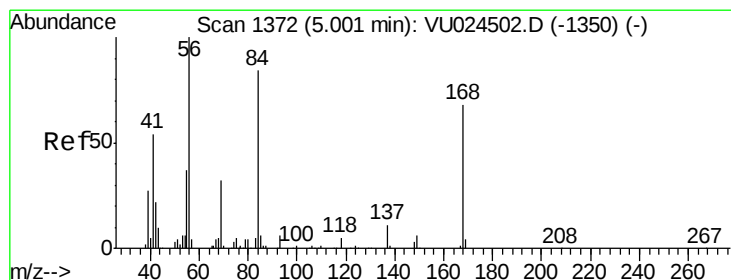
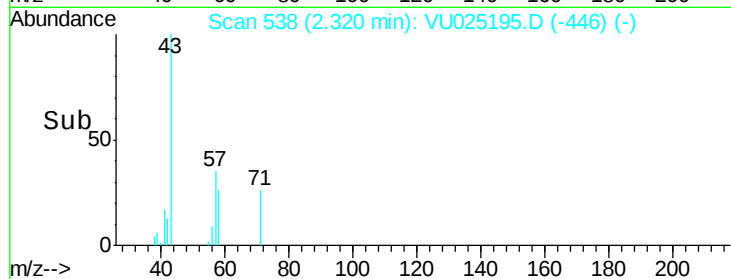
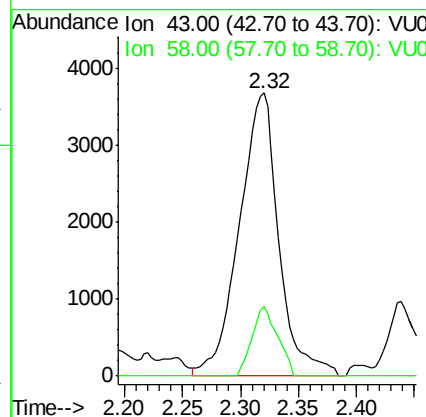
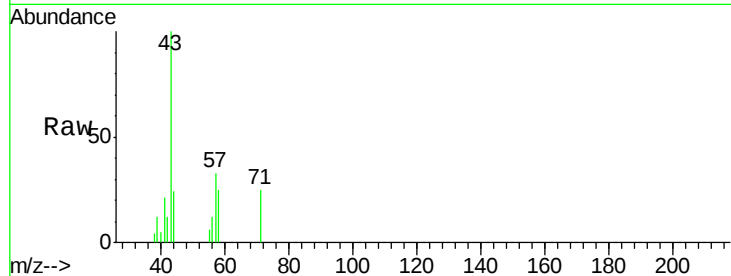
#16
Acetone
Concen: 4.904 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Instrument :
MSVOA_U
ClientSampleId :
S10-0148

Tot Ion	43	Resp	8747
Ion Ratio	Lower	Upper	
43	100		
58	24.7	24.4	36.6

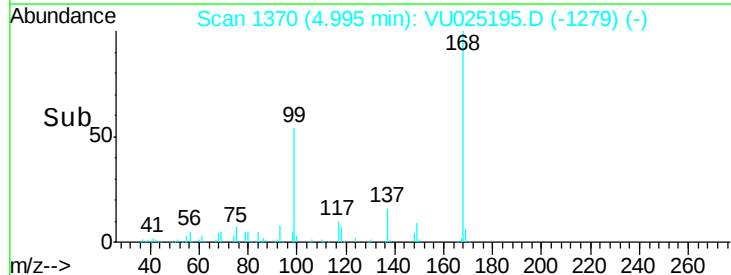
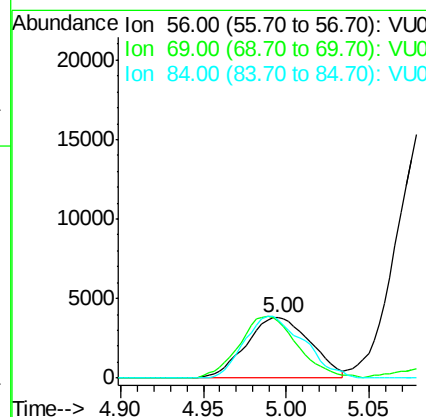
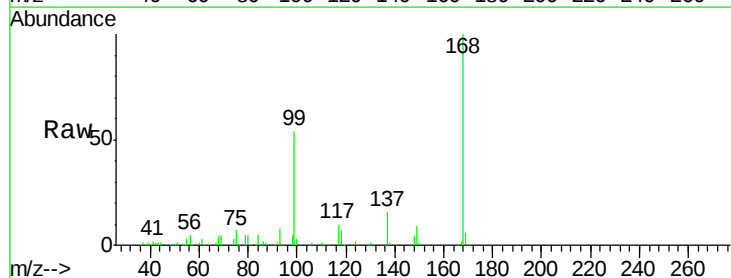
Manual Integrations
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#31
Cyclohexane
Concen: 0.403 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion	56	Resp	10278
Ion Ratio	Lower	Upper	
56	100		
69	94.0	24.8	37.2#
84	96.5	65.2	97.8





#33

1,2-Dichloroethane-d4

Concen: 46.749 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Tot Ion: 65 Resp: 155178

Ion Ratio Lower Upper

65 100

67 50.7 0.0 107.0

Instrument :

MSVOA_U

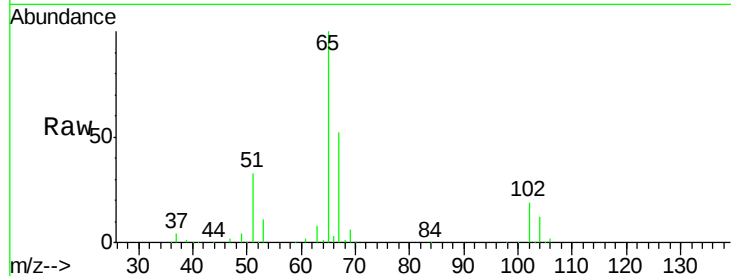
ClientSampleId :

S10-0148

Manual Integrations
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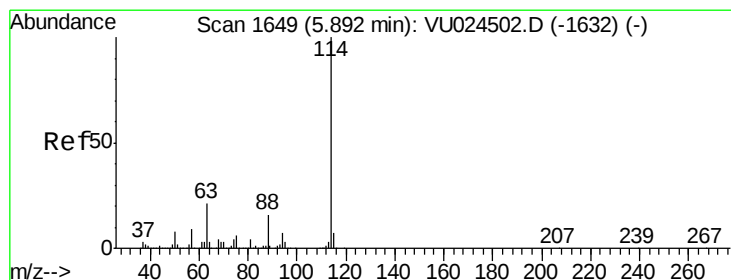
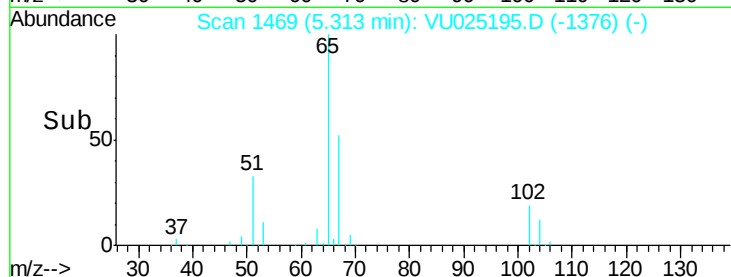


Abundance Ion 64.90 (64.60 to 65.60): VU025195.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025195.D (-1376) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

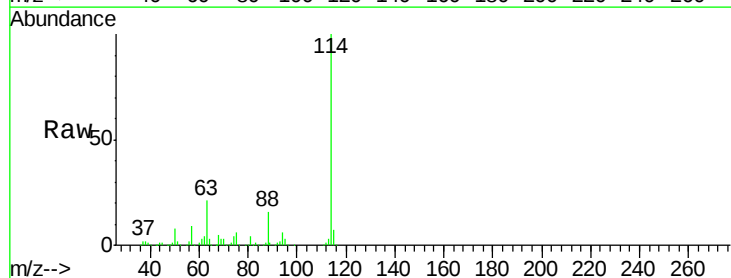
Tgt Ion: 114 Resp: 304366

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

88 15.7 0.0 31.0



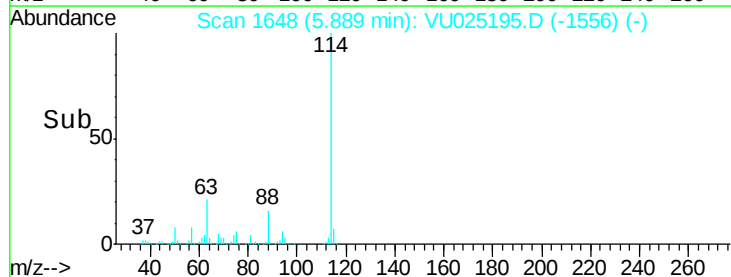
Abundance Ion 113.90 (113.60 to 114.60): VU025195.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU025195.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU025195.D (-1556) (-)

5.89

Time-->





#35

Dibromofluoromethane

Concen: 47.747 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

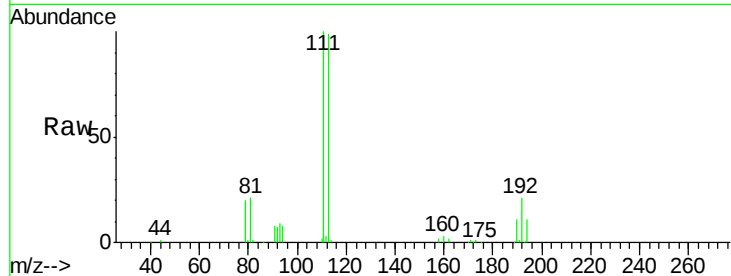
ClientSampleId :

S10-0148

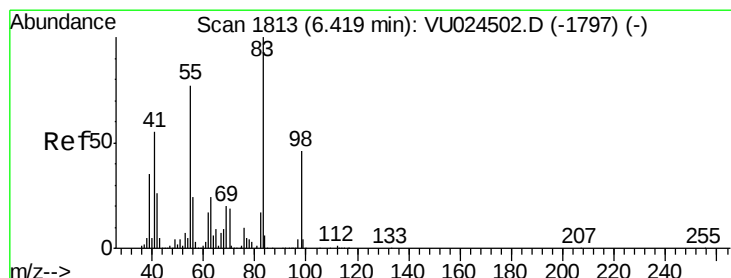
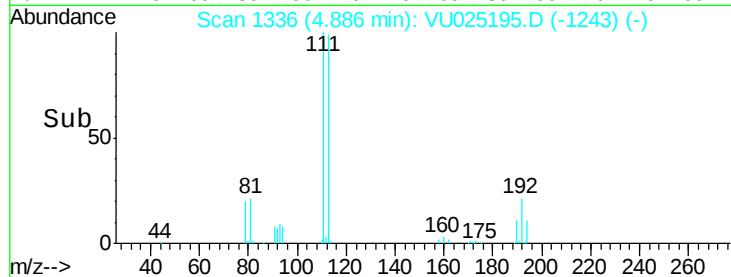
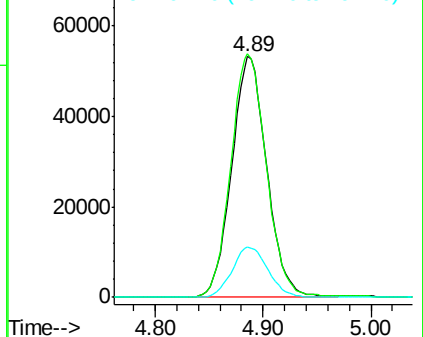
Tot Ion:	113	Resp:	120609
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.2	123.4
192	21.3	16.2	24.4

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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: 3.674 ug/l

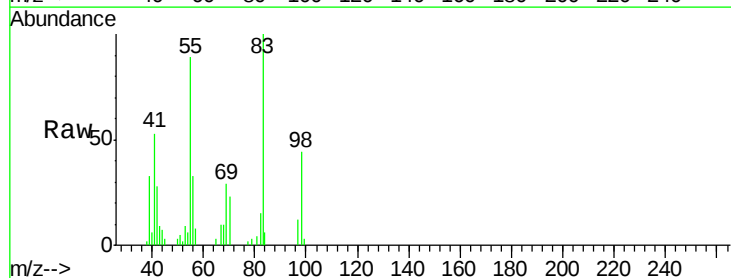
RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

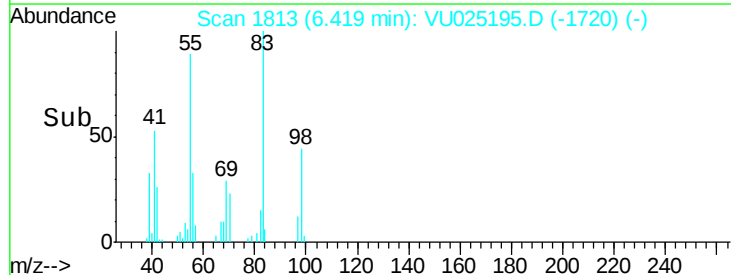
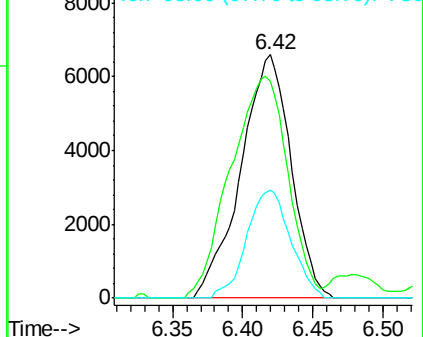
Lab File: VU025195.D

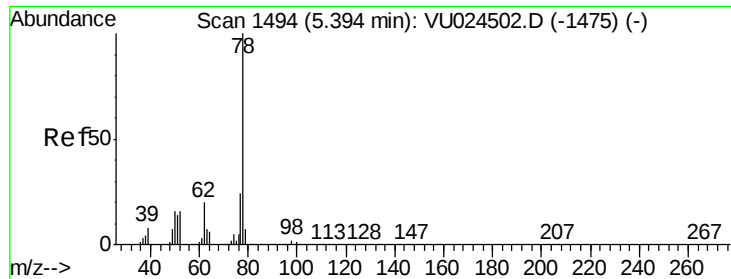
Acq: 03 Jul 2018 17:37

Tgt Ion:	83	Resp:	16400
Ion Ratio	Lower	Upper	
83	100		
55	86.9	65.8	98.6
98	44.3	36.7	55.1



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





#40

Benzene

Concen: 3.062 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

S10-0148

Tot Ion: 78 Resp: 31210

Ion Ratio Lower Upper

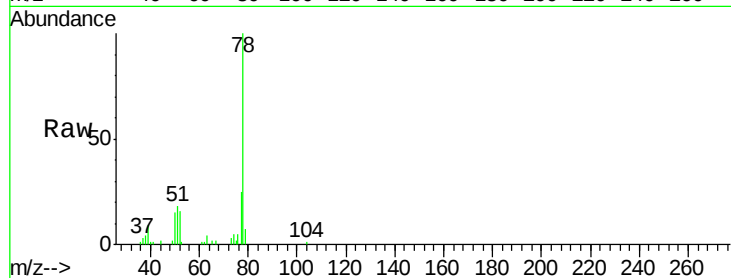
78 100

77 24.5 19.2 28.8

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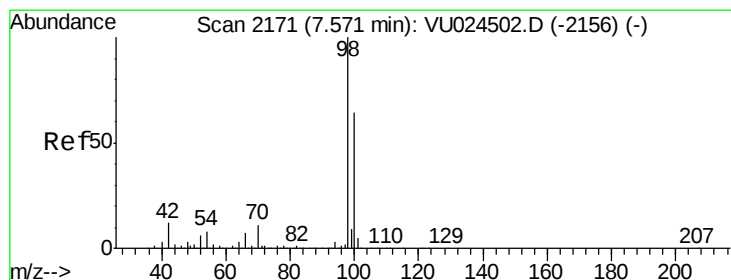
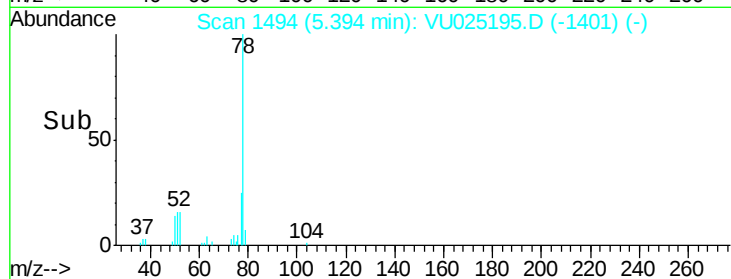
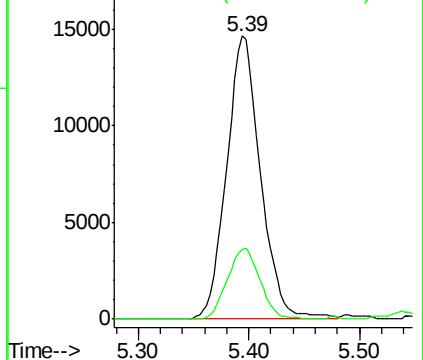
sam

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Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 48.090 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025195.D

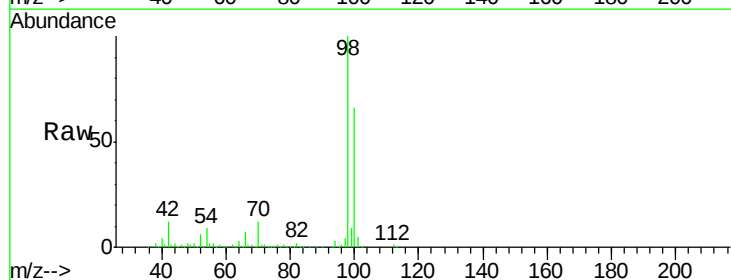
Acq: 03 Jul 2018 17:37

Tgt Ion: 98 Resp: 443089

Ion Ratio Lower Upper

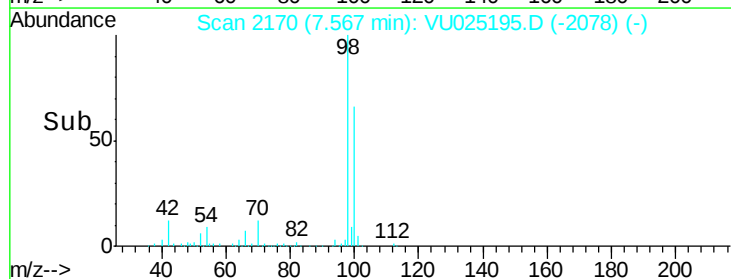
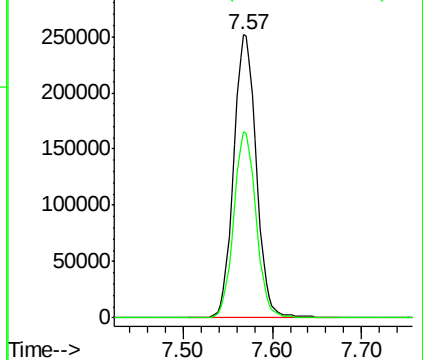
98 100

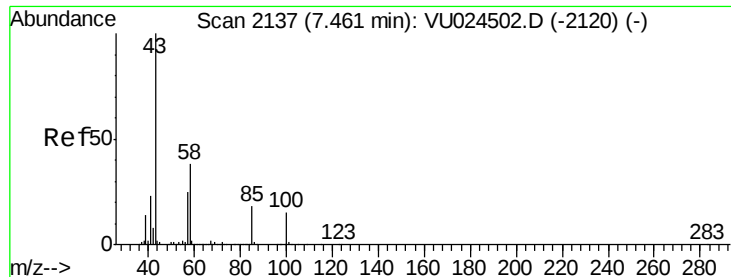
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





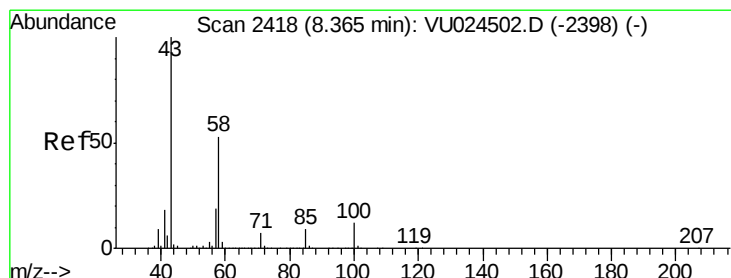
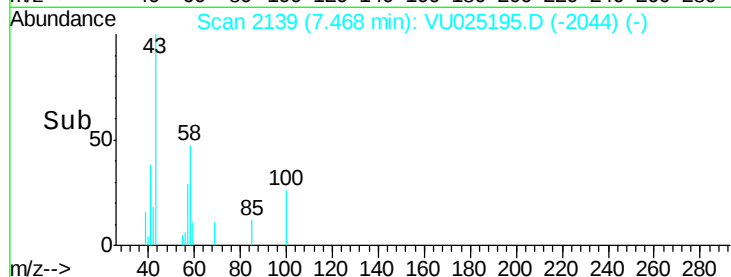
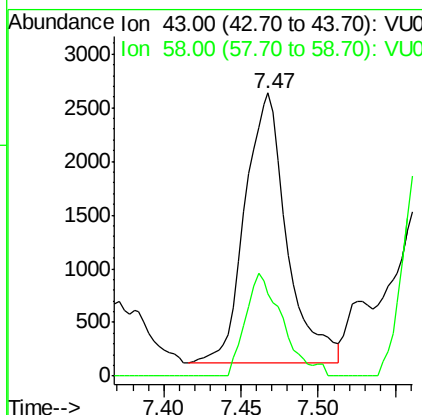
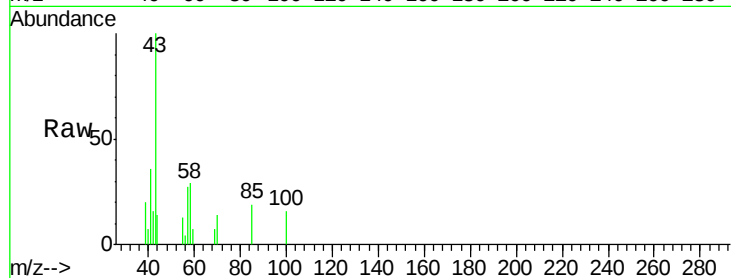
#51
4-Methyl-2-Pentanone
Concen: 1.126 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.01 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Instrument :
MSVOA_U
ClientSampled :
S10-0148

Tot Ion	43	Resp	4767
Ion Ratio	100	Lower	Upper
43	100		
58	33.6	30.0	45.0

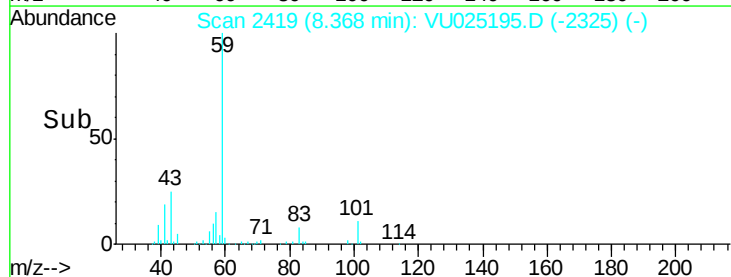
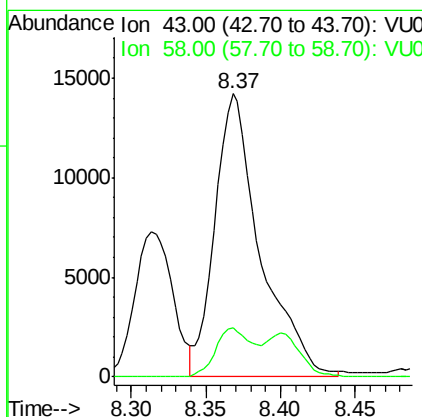
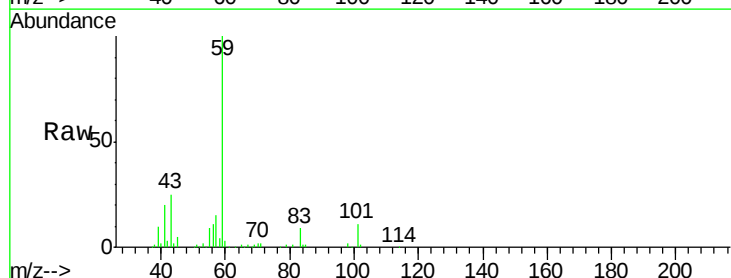
Manual Integrations
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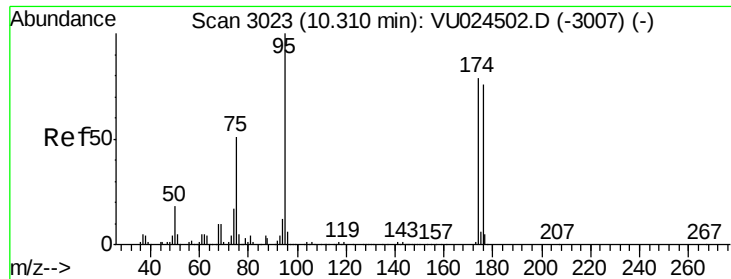
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#59
2-Hexanone
Concen: 8.741 ug/l m
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion	43	Resp	30209
Ion Ratio	100	Lower	Upper
43	100		
58	34.9	26.4	79.0





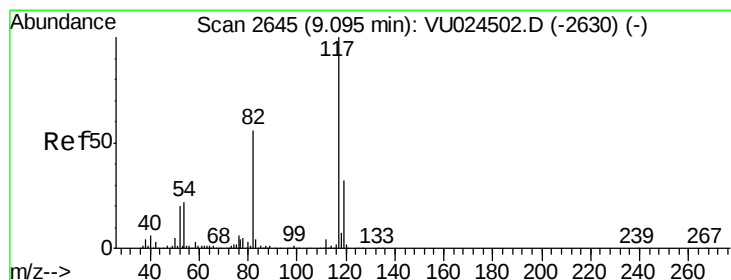
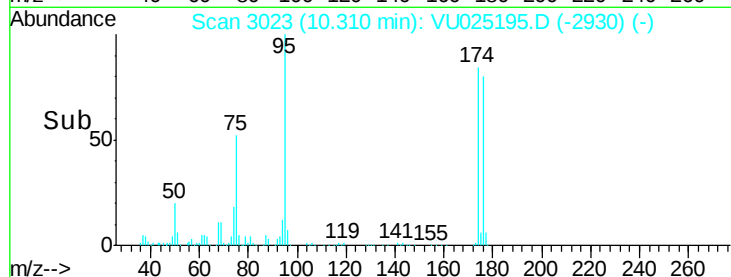
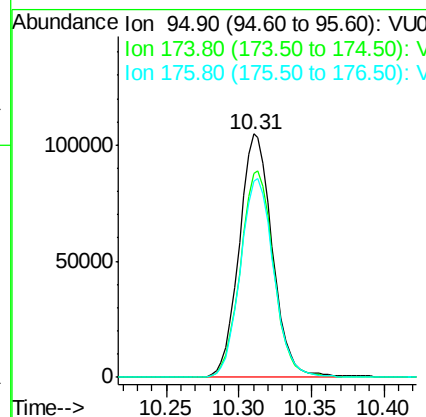
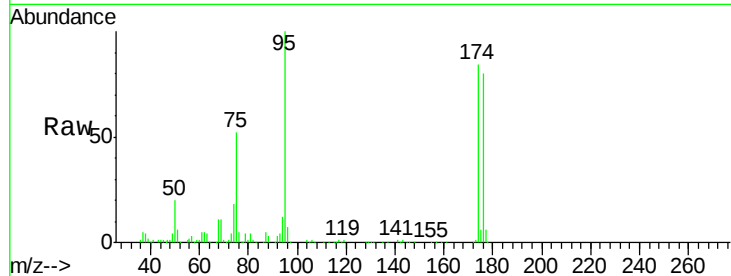
#62
4-Bromofluorobenzene
Concen: 45.502 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Instrument :
MSVOA_U
ClientSampled :
S10-0148

Tot Ion	Ratio	Resp	Lower	Upper
95	100	166459		
174	84.9	0.0	165.8	
176	82.4	0.0	159.4	

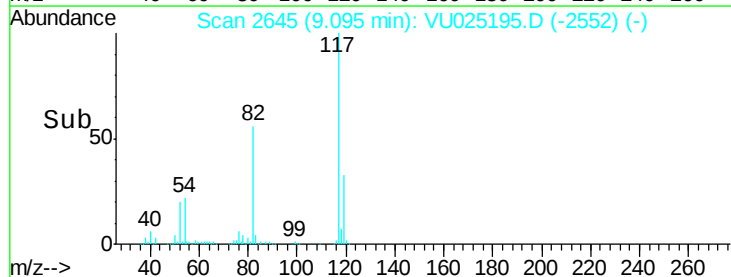
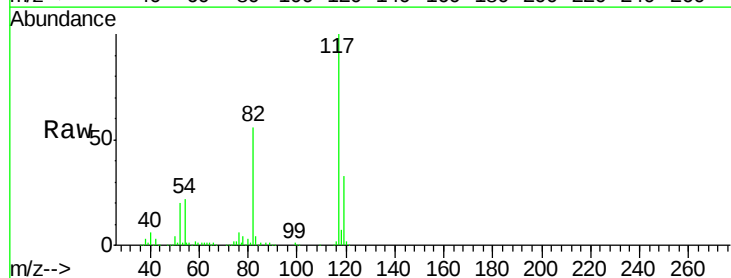
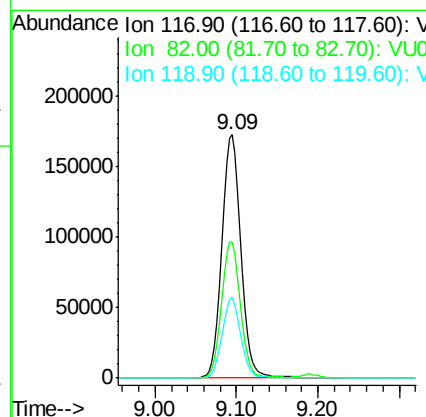
Manual Integrations
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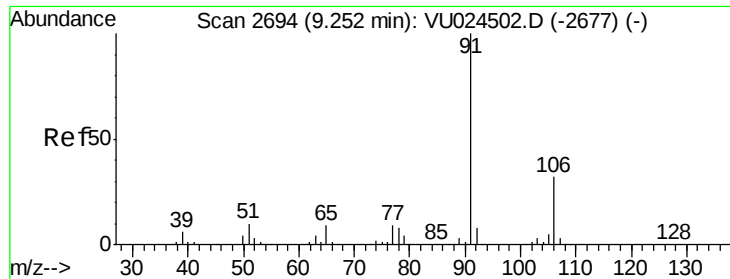
sam
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	287199		
82	56.0	44.3	66.5	
119	33.1	25.4	38.2	





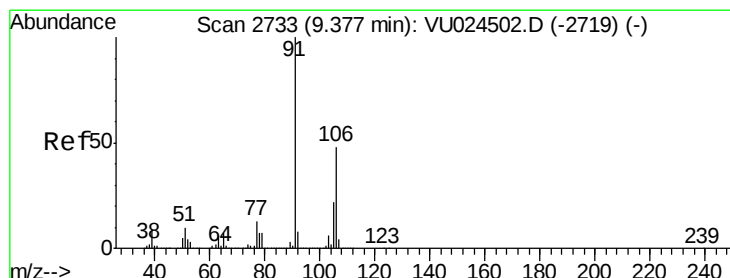
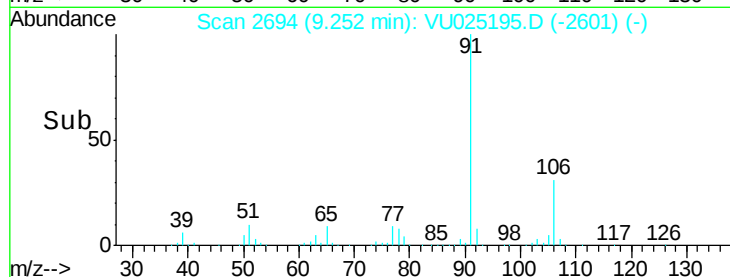
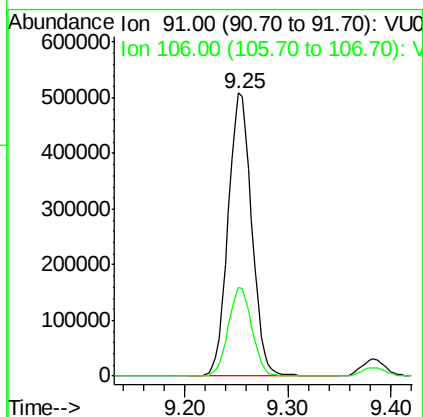
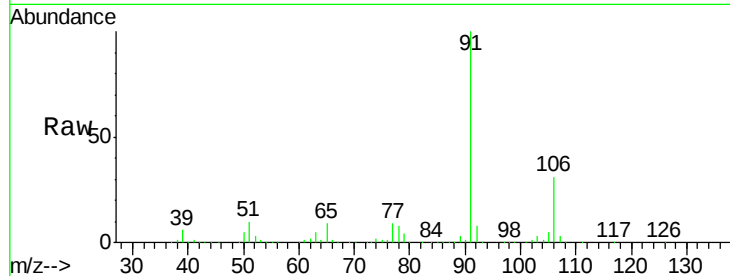
#67
Ethyl Benzene
Concen: 63.208 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Instrument :
MSVOA_U
ClientSampled :
S10-0148

Tot Ion: 91 Resp: 812991
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4

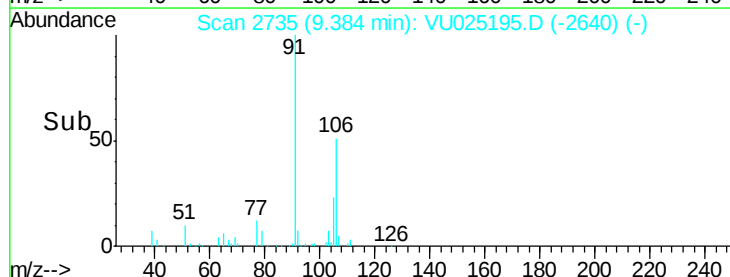
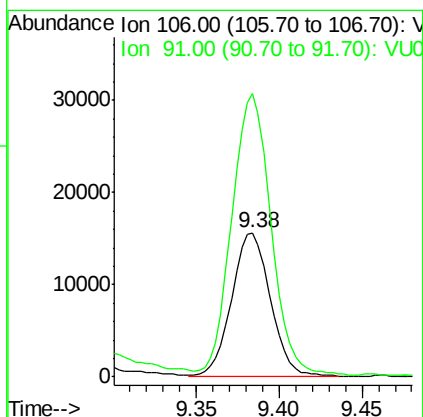
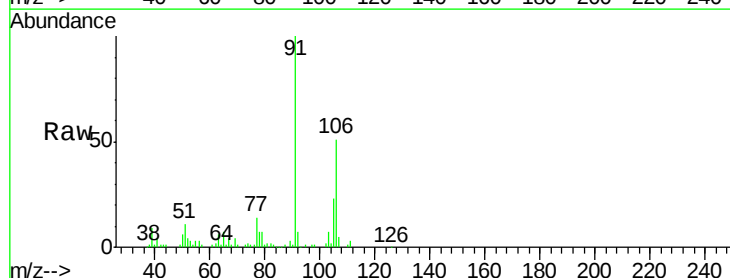
Manual Integrations
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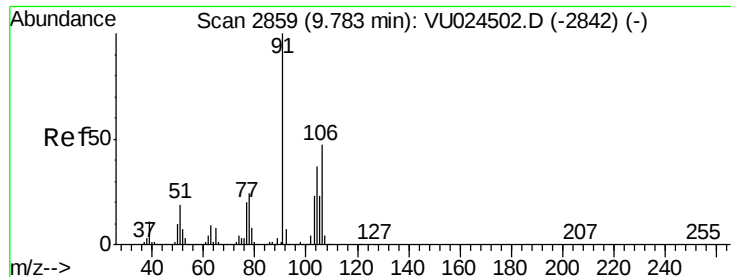
sam
7/5/2018 2:30:15 PM



#68
m/p-Xylenes
Concen: 5.190 ug/l
RT: 9.38 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion: 106 Resp: 25634
Ion Ratio Lower Upper
106 100
91 196.1 166.5 249.7





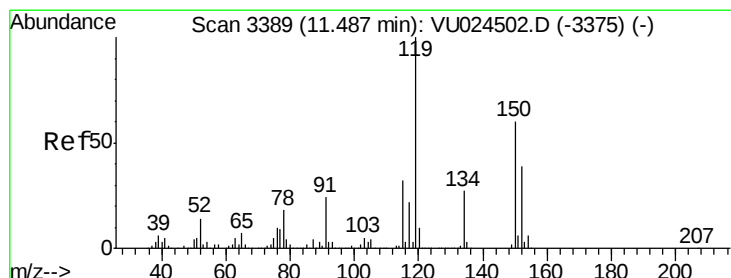
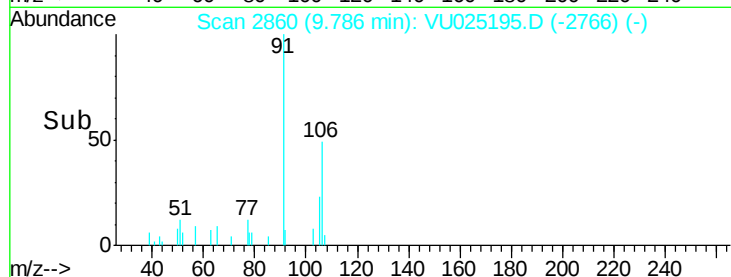
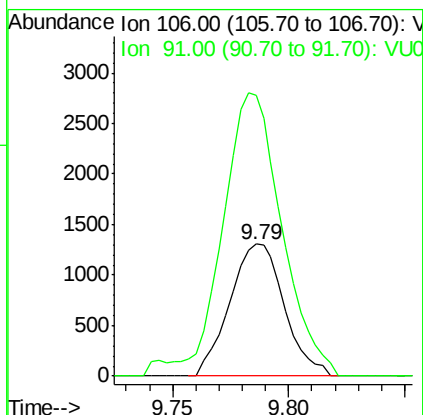
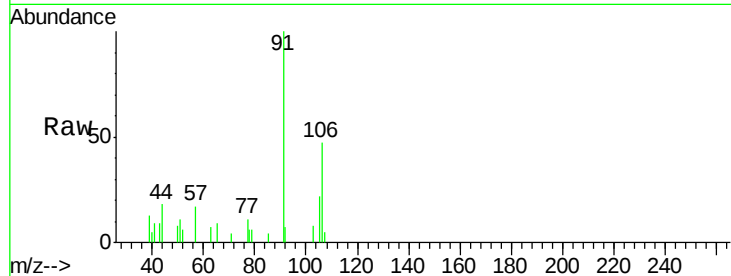
#69
o-Xylene
Concen: 0.436 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Instrument :
MSVOA_U
ClientSampleId :
S10-0148

Tot Ion	Ratio	Lower	Upper
106	100		
91	230.3	110.7	331.9

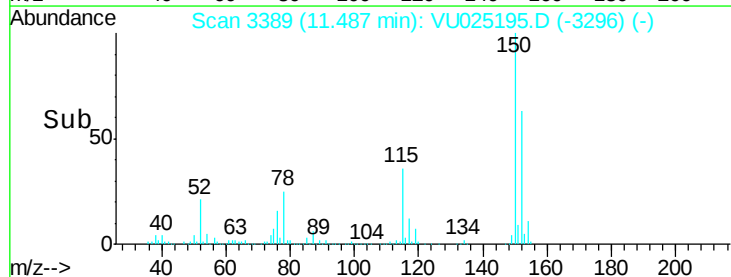
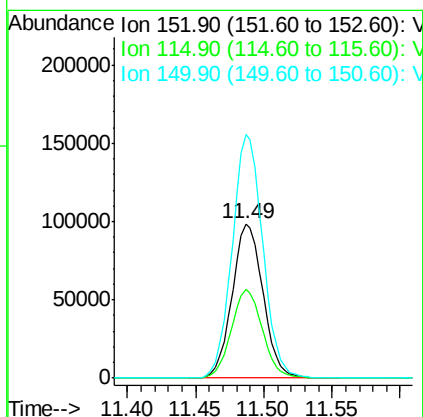
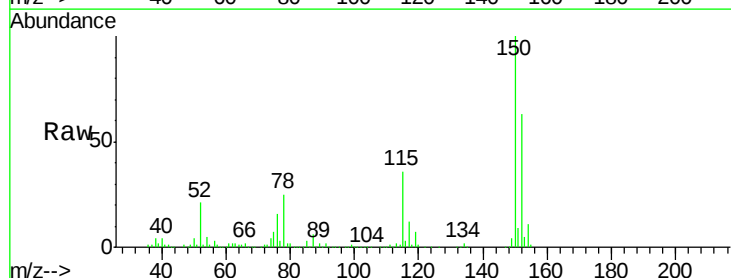
Manual Integrations
APPROVED

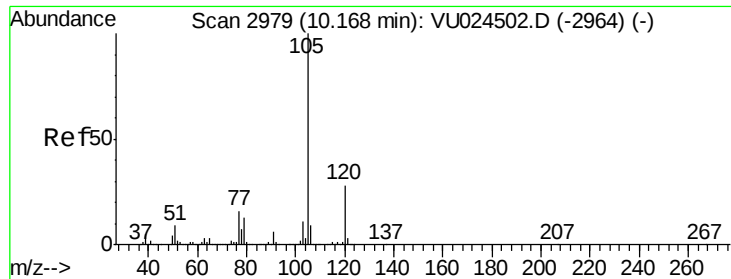
sam
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	43.0	129.0
150	156.4	0.0	354.0





#73

Isopropylbenzene

Concen: 12.406 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampled :

S10-0148

Tot Ion: 105 Resp: 147459

Ion Ratio Lower Upper

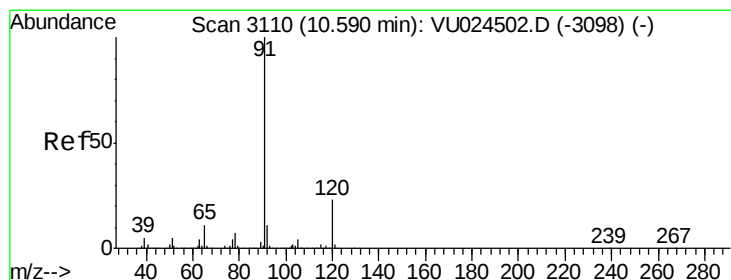
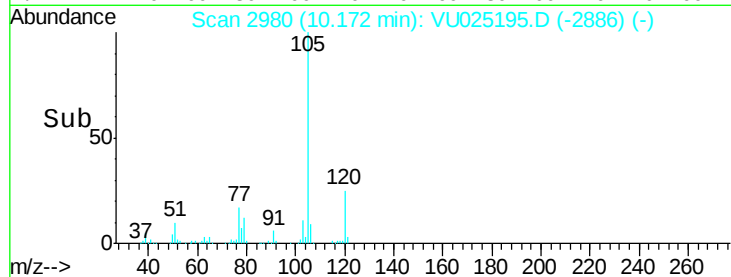
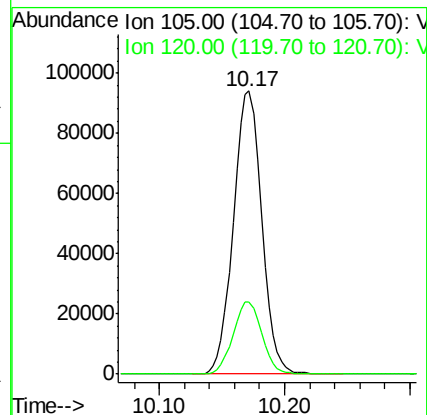
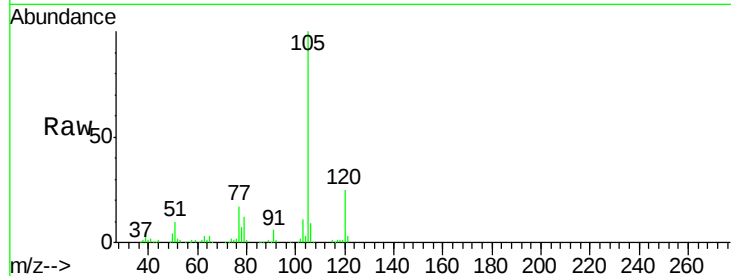
105 100

120 26.1 13.2 39.6

Manual Integrations
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#78

n-propylbenzene

Concen: 11.617 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025195.D

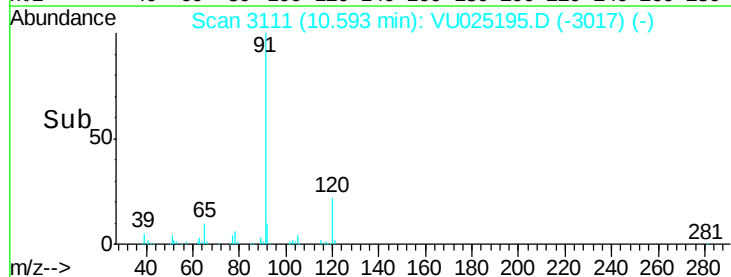
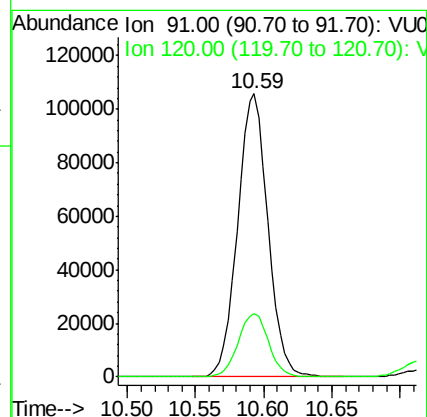
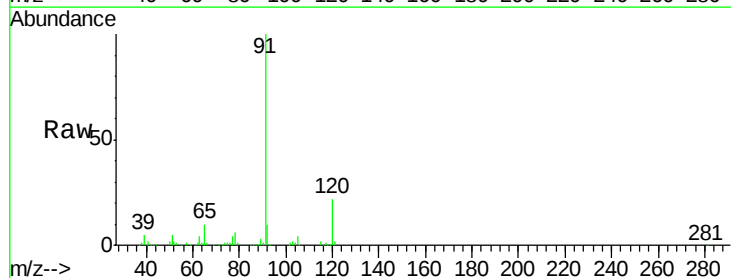
Acq: 03 Jul 2018 17:37

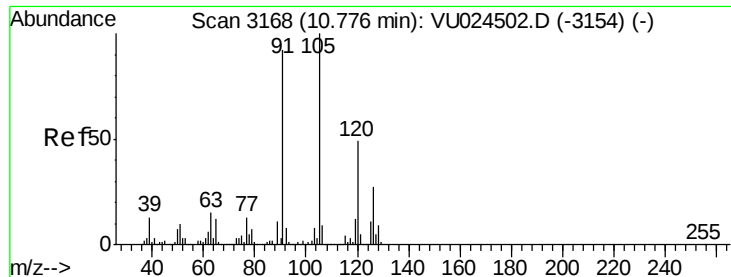
Tgt Ion: 91 Resp: 162659

Ion Ratio Lower Upper

91 100

120 22.5 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 2.040 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

S10-0148

Tot Ion:105 Resp: 21016

Ion Ratio Lower Upper

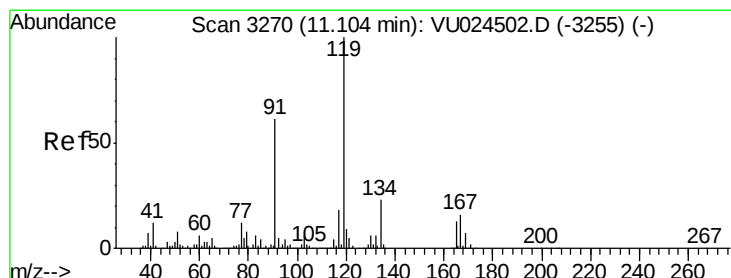
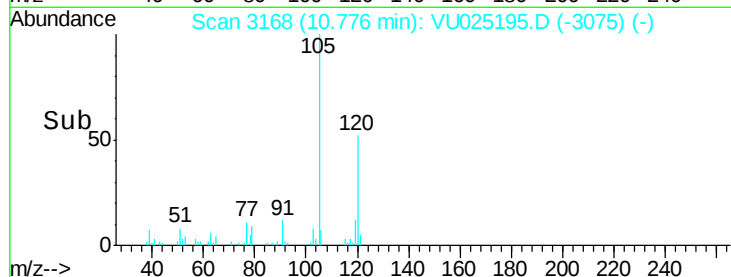
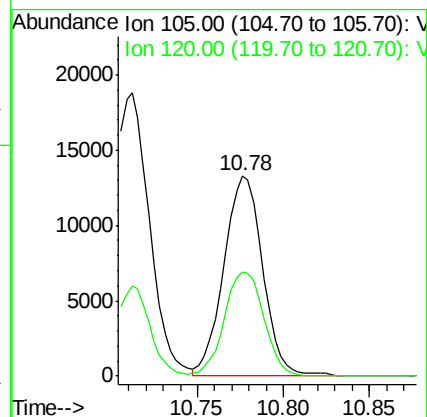
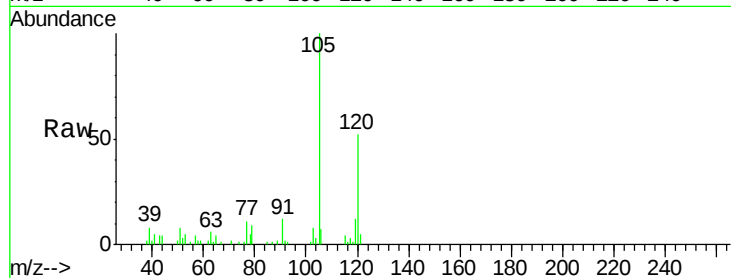
105 100

120 52.8 24.1 72.2

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#83

tert-Butylbenzene

Concen: 0.387 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

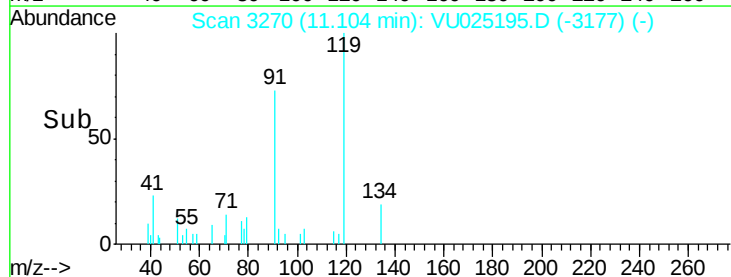
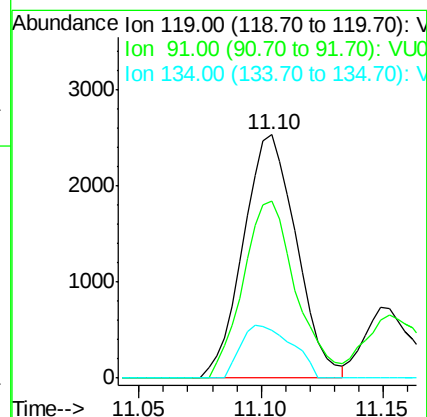
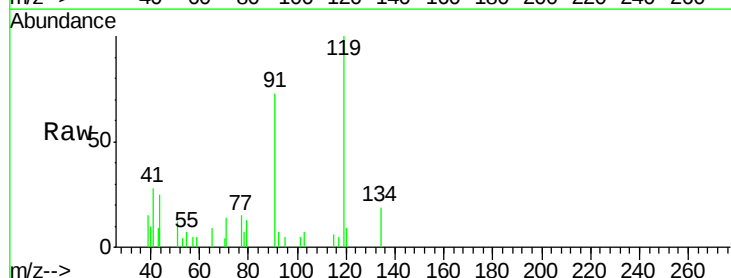
Tgt Ion:119 Resp: 3832

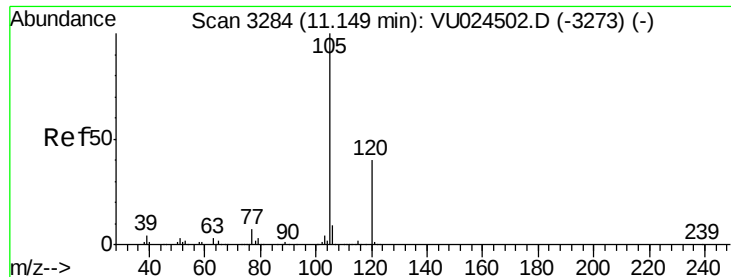
Ion Ratio Lower Upper

119 100

91 72.4 29.7 89.1

134 21.0 11.6 34.7





#84

1,2,4-Trimethylbenzene

Concen: 0.858 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

S10-0148

Tot Ion:105 Resp: 9011

Ion Ratio Lower Upper

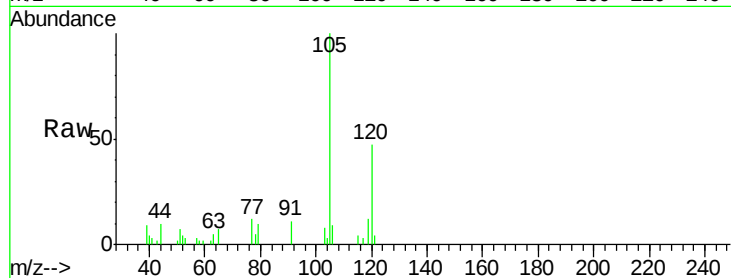
105 100

120 45.4 22.6 67.8

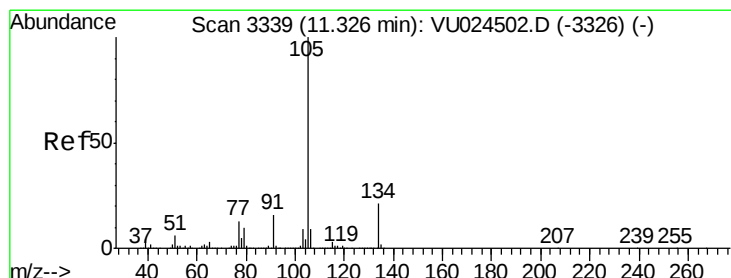
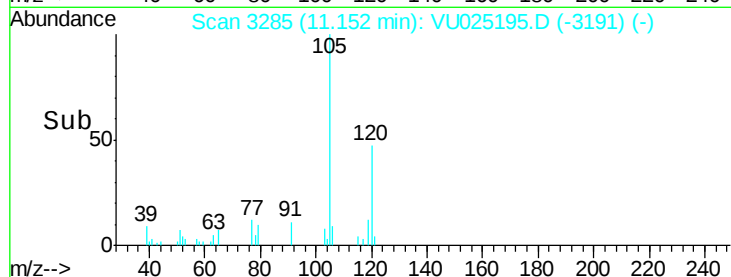
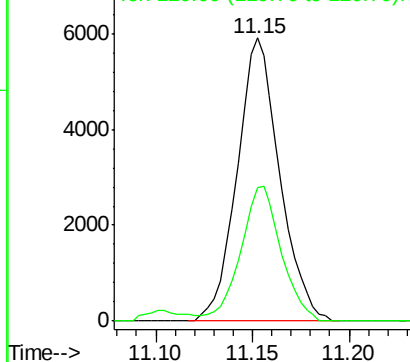
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.535 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025195.D

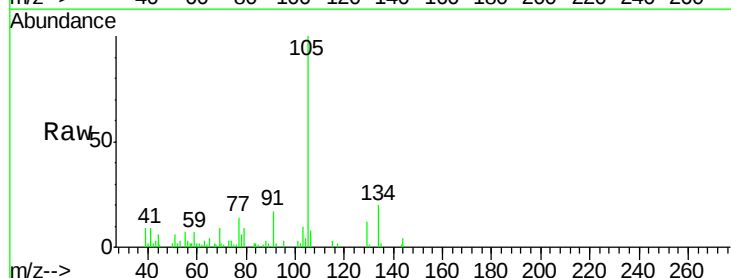
Acq: 03 Jul 2018 17:37

Tgt Ion:105 Resp: 19046

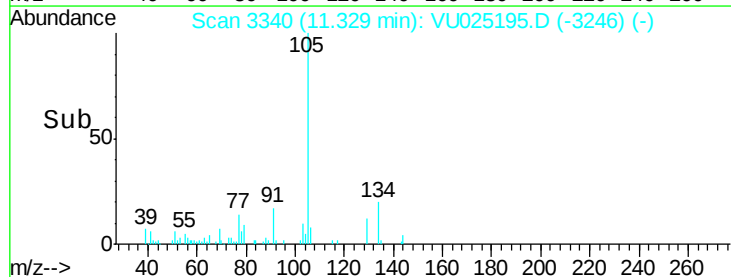
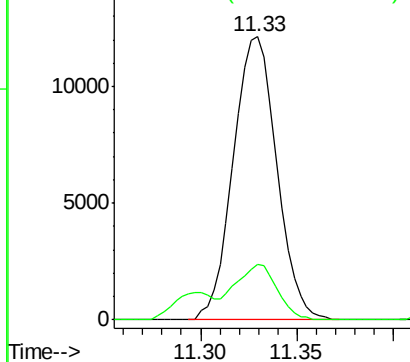
Ion Ratio Lower Upper

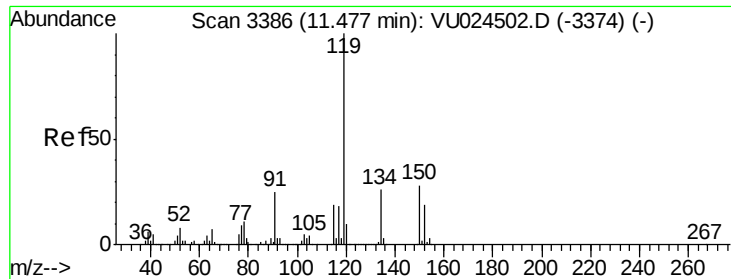
105 100

134 18.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 1.694 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

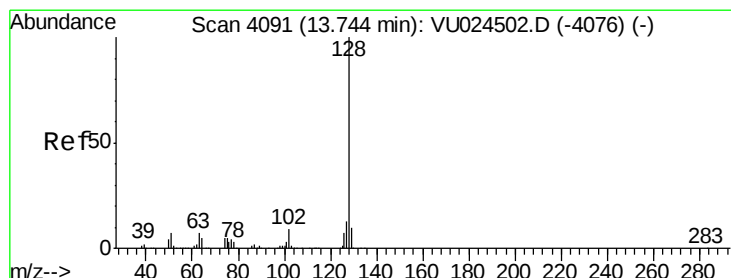
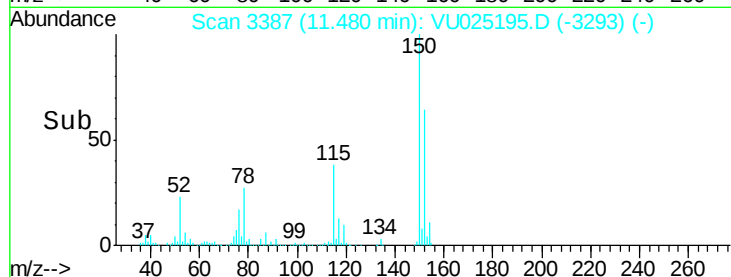
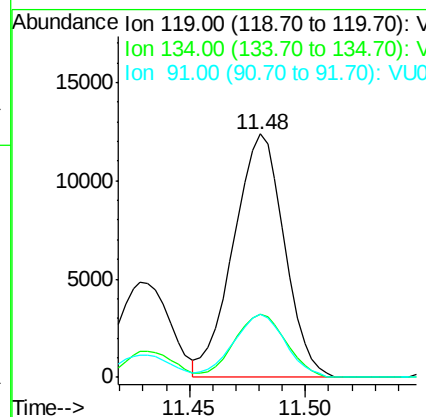
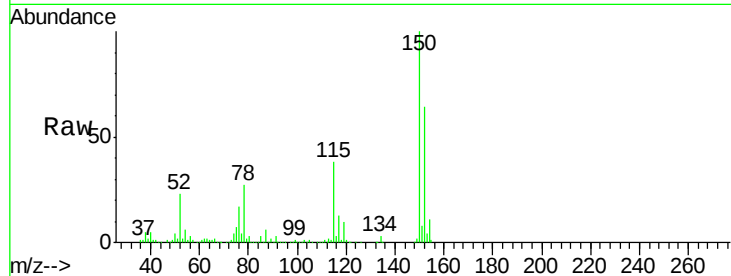
ClientSampleId :

S10-0148

Tot Ion:	119	Resp:	18825
Ion Ratio	Lower	Upper	
119	100		
134	26.2	12.9	38.6
91	26.4	12.0	36.1

Manual Integrations
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sam
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#95

Naphthalene

Concen: 15.734 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Tgt Ion:	128	Resp:	173739
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	11.1	8.6	12.8

