

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025207.D
 Acq On : 05 Jul 2018 11:45
 Operator : MD/SY
 Sample : J3783-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S10-0148

Manual Integrations
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sam
 7/6/2018 4:21:33 PM

Quant Time: Jul 06 12:48:13 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	212749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	317486	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	296885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159502	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	159092	45.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.62%	
35) Dibromofluoromethane	4.89	113	124404	47.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.42%	
50) Toluene-d8	7.57	98	460000	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	10.31	95	173655	45.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	10947	12.960	ug/l	99
39) Methylcyclohexane	6.41	83	20464	4.396	ug/l	93
40) Benzene	5.40	78	27422	2.580	ug/l	98
67) Ethyl Benzene	9.25	91	908721	68.346	ug/l	98
68) m/p-Xylenes	9.38	106	27488	5.384	ug/l	95
69) o-Xylene	9.79	106	2377	0.470	ug/l	99
73) Isopropylbenzene	10.17	105	168687	13.775	ug/l	100
78) n-propylbenzene	10.59	91	185414	12.853	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	24860	2.342	ug/l	98
83) tert-Butylbenzene	11.11	119	4455	0.436	ug/l	80
84) 1,2,4-Trimethylbenzene	11.15	105	9185	0.849	ug/l	96
85) sec-Butylbenzene	11.33	105	21754	1.702	ug/l	95
86) p-Isopropyltoluene	11.48	119	22305	1.949	ug/l	97
95) Naphthalene	13.75	128	188527	16.536	ug/l	99

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

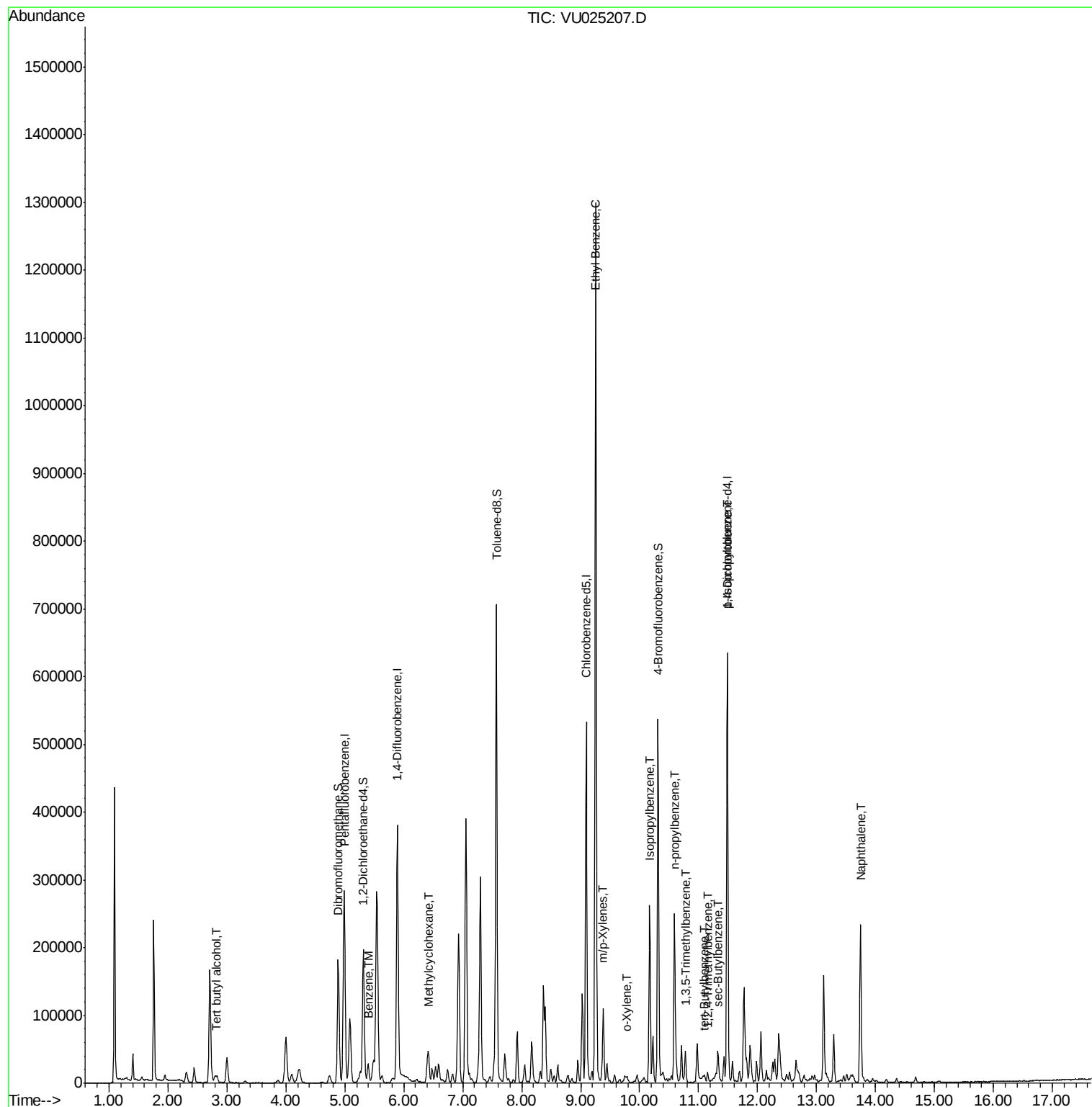
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070518\
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Manual Integrations
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Quant Time: Jul 06 12:48:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

S10-0148

Tot Ion:168 Resp: 212749

Ion Ratio Lower Upper

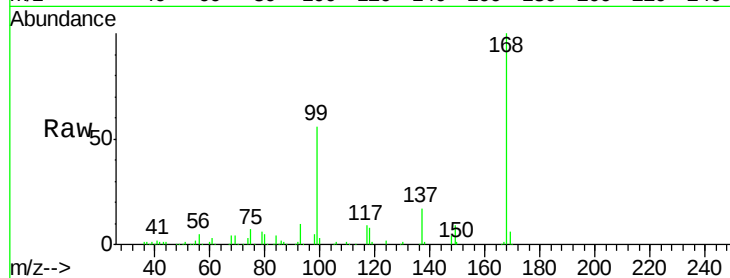
168 100

99 56.5 43.2 64.8

Manual Integrations
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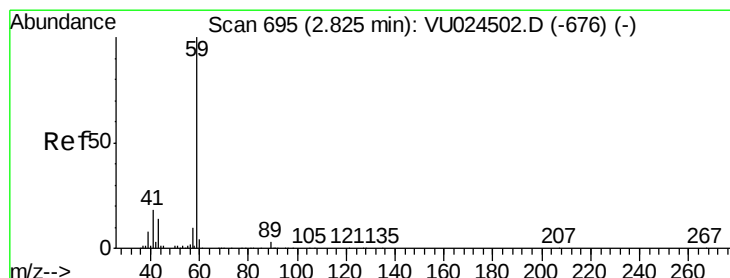
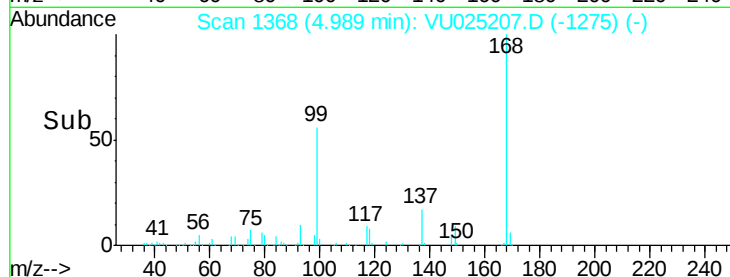
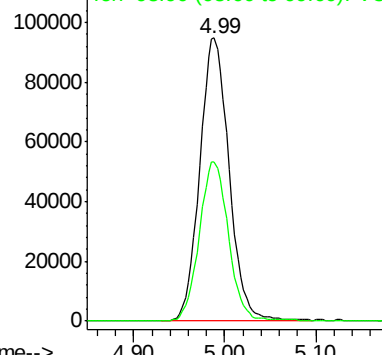
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#11

Tert butyl alcohol

Concen: 12.960 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU025207.D

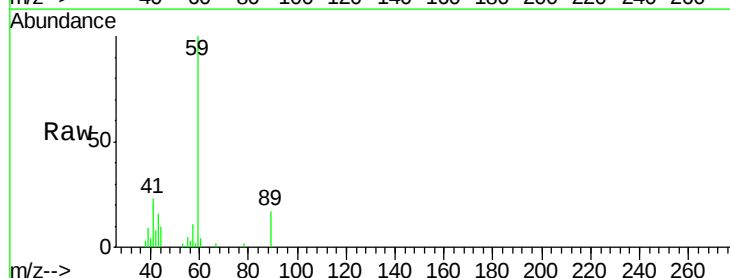
Acq: 05 Jul 2018 11:45

Tgt Ion: 59 Resp: 10947

Ion Ratio Lower Upper

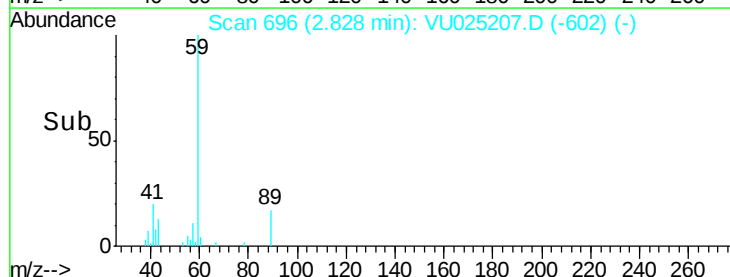
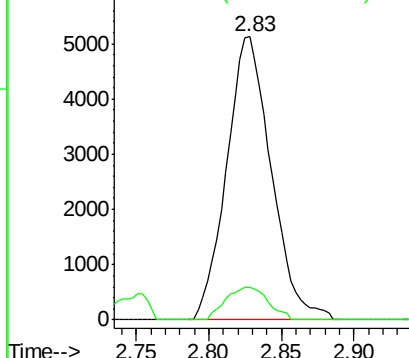
59 100

57 10.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





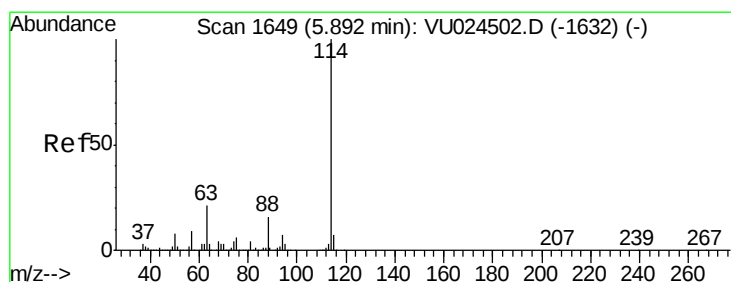
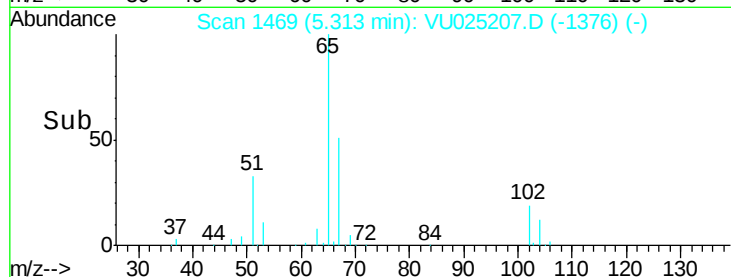
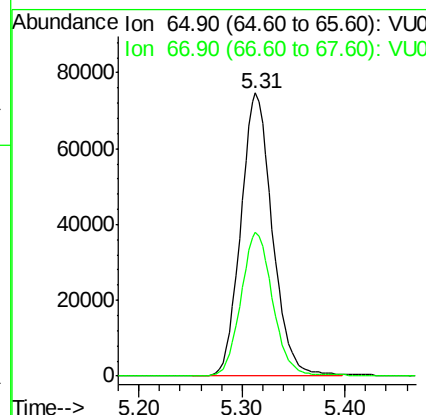
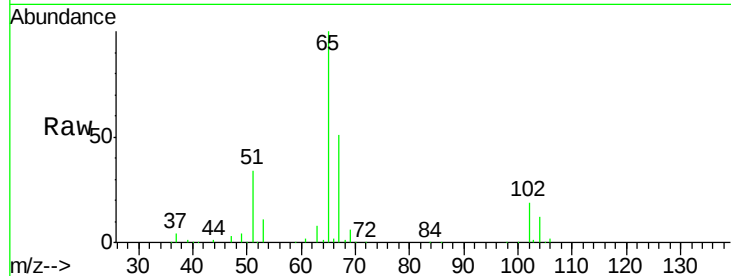
#33
 1,2-Dichloroethane-d4
 Concen: 45.806 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025207.D
 Acq: 05 Jul 2018 11:45

Instrument :
 MSVOA_U
 ClientSampleId :
 S10-0148

Tot Ion	Ratio	Resp	Lower	Upper
65	100	159092		
67	51.1	0.0	107.0	

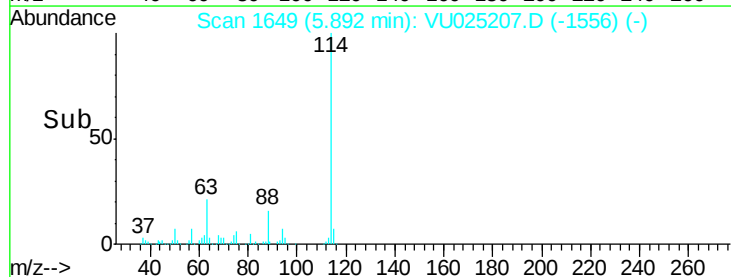
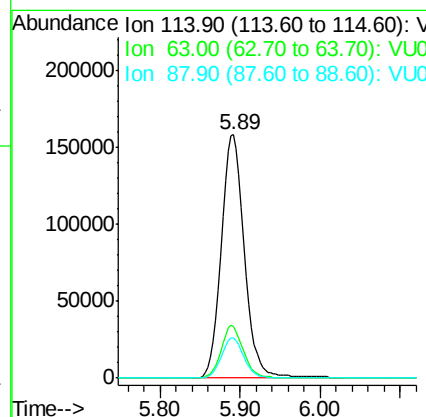
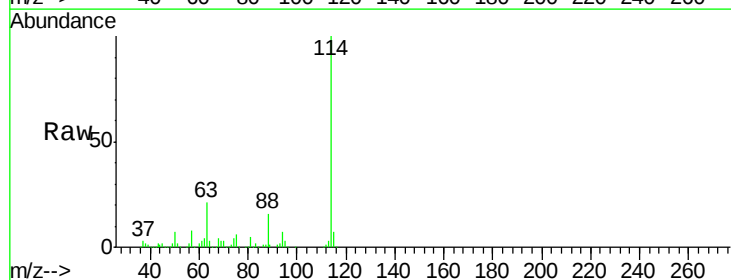
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025207.D
 Acq: 05 Jul 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	317486		
63	21.0	0.0	45.4	
88	16.3	0.0	31.0	





#35

Dibromofluoromethane

Concen: 47.214 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

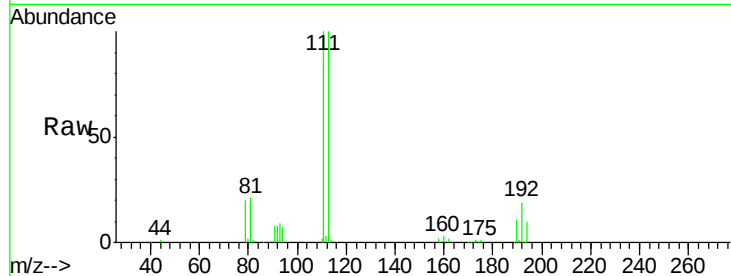
ClientSampleId :

S10-0148

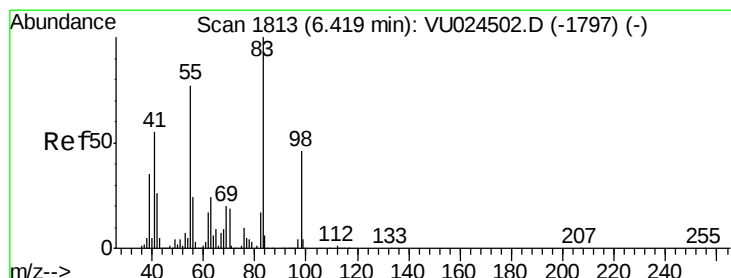
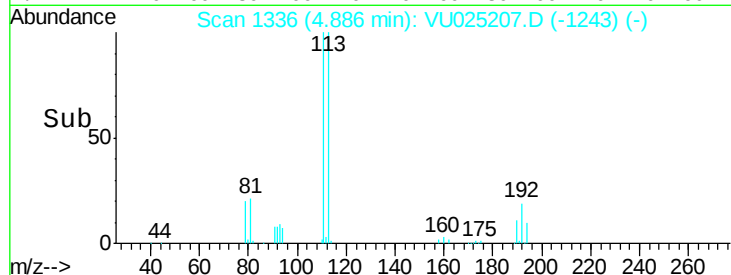
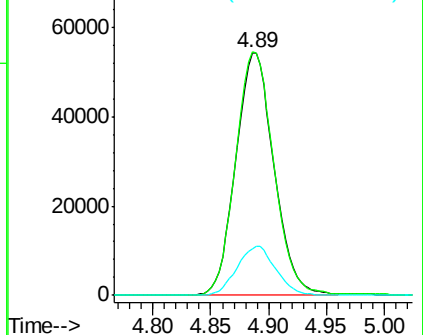
Tot Ion:	113	Resp:	124404
Ion Ratio	Lower	Upper	
113	100		
111	100.7	82.2	123.4
192	20.5	16.2	24.4

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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: 4.396 ug/l

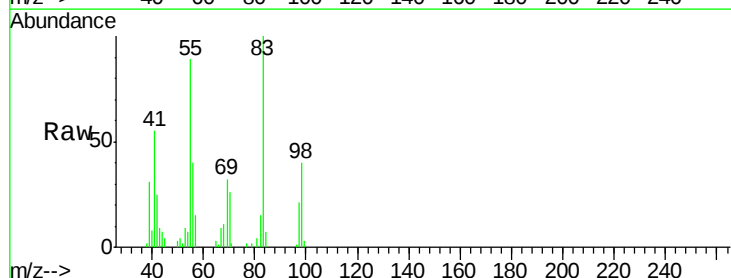
RT: 6.41 min Scan# 1811

Delta R.T. -0.01 min

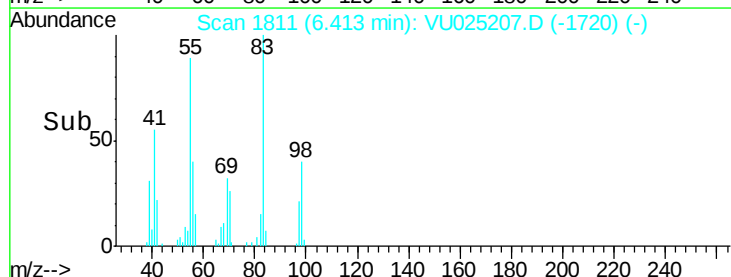
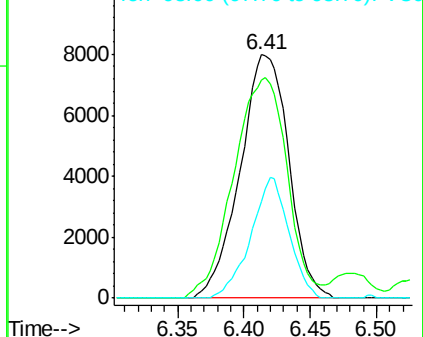
Lab File: VU025207.D

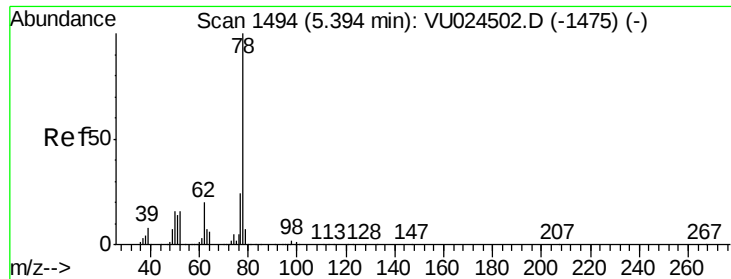
Acq: 05 Jul 2018 11:45

Tgt Ion:	83	Resp:	20464
Ion Ratio	Lower	Upper	
83	100		
55	87.8	65.8	98.6
98	39.8	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: 2.580 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampled :

S10-0148

Tot Ion: 78 Resp: 27422

Ion Ratio Lower Upper

78 100

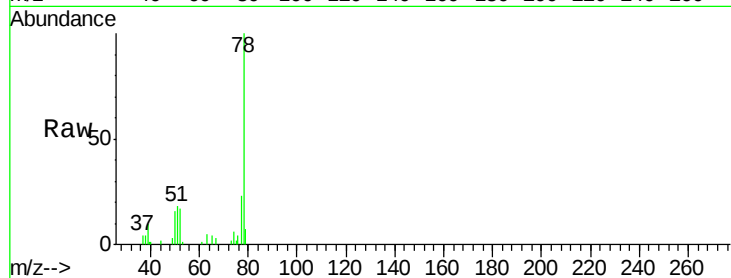
77 23.2 19.2 28.8

Manual Integrations

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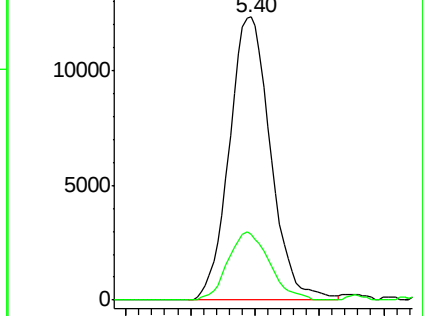
sam

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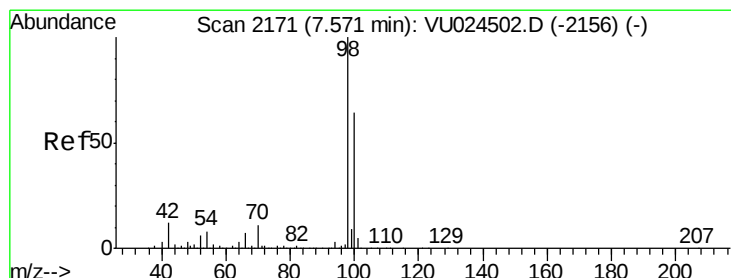
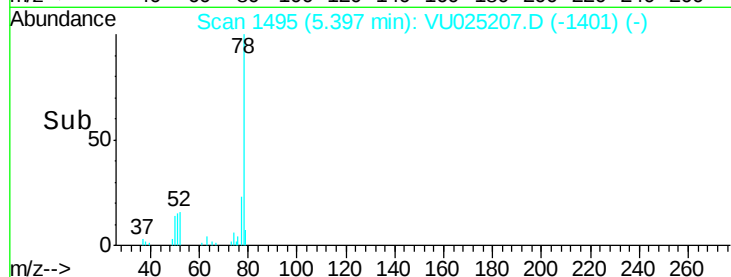


Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time--> 5.30 5.35 5.40 5.45 5.50



#50

Toluene-d8

Concen: 47.862 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025207.D

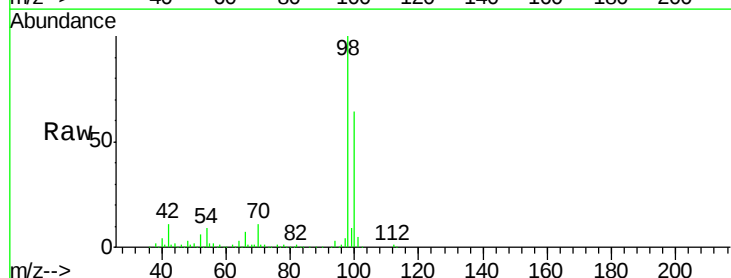
Acq: 05 Jul 2018 11:45

Tgt Ion: 98 Resp: 460000

Ion Ratio Lower Upper

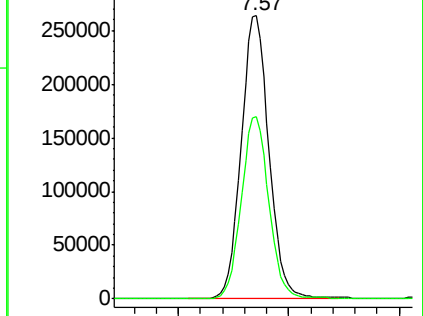
98 100

100 64.1 51.1 76.7

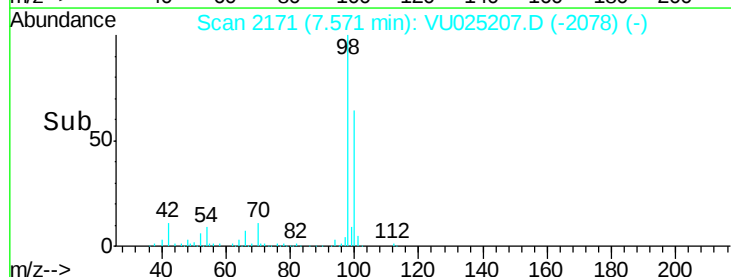


Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



Time--> 7.50 7.55 7.60





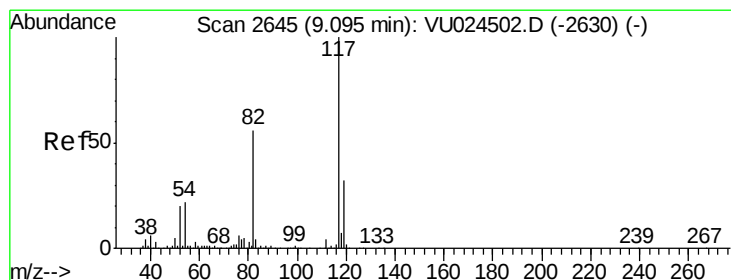
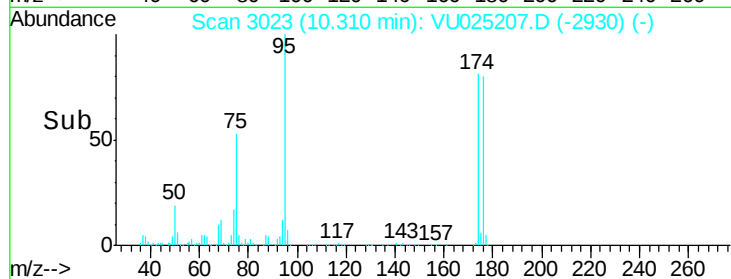
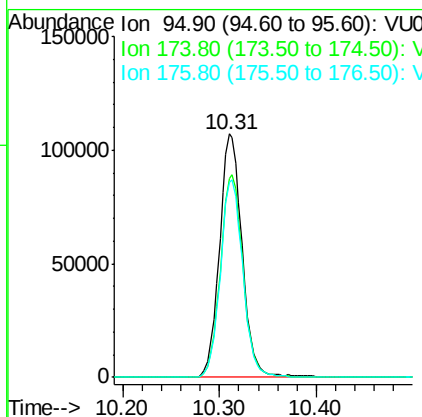
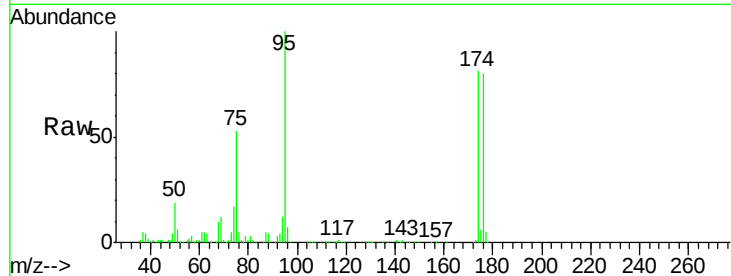
#62
4-Bromofluorobenzene
Concen: 45.508 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Instrument :
MSVOA_U
ClientSampled :
S10-0148

Tot Ion	Ratio	Resp	Lower	Upper
95	100	173655		
174	82.9	0.0	165.8	
176	80.5	0.0	159.4	

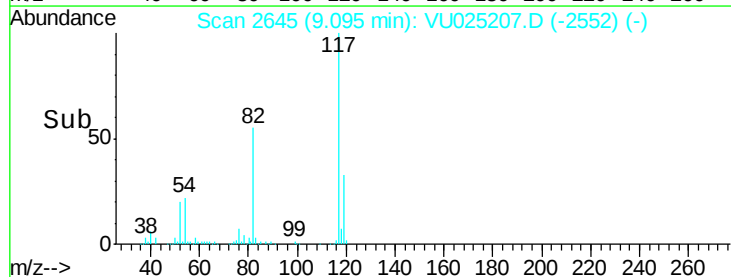
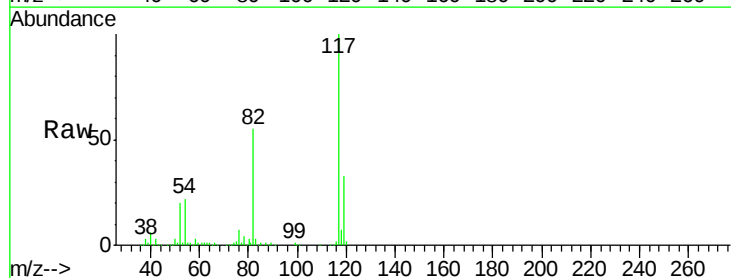
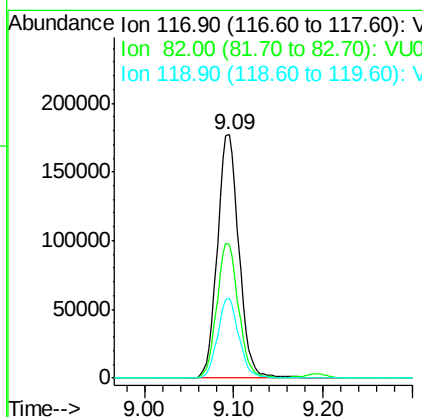
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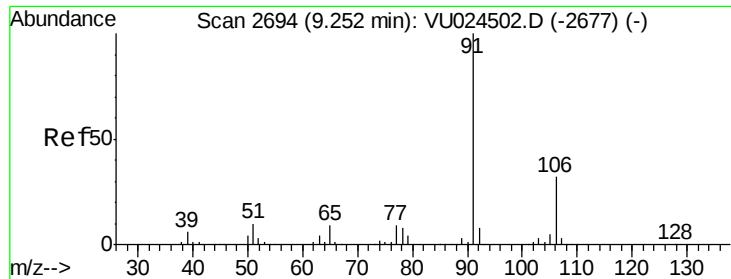
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	296885		
82	54.7	44.3	66.5	
119	32.6	25.4	38.2	





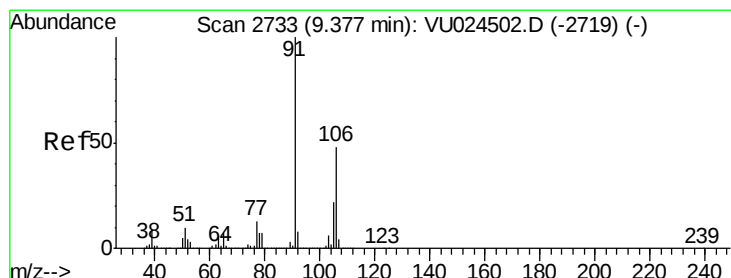
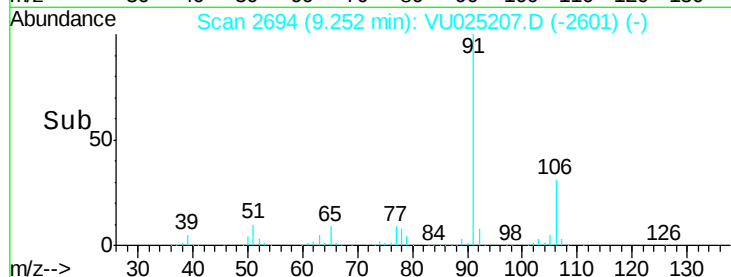
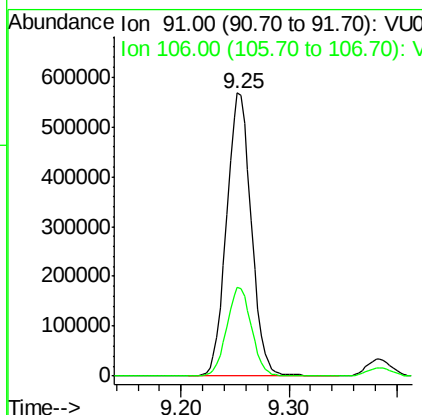
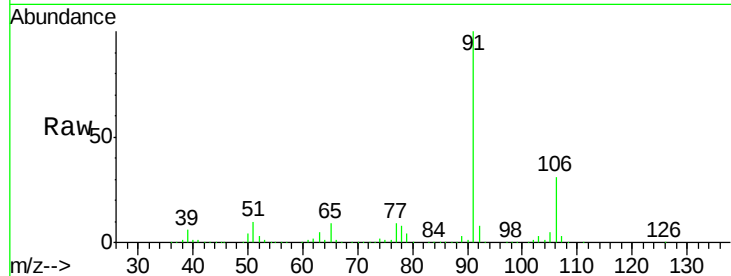
#67
Ethyl Benzene
Concen: 68.346 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :
S10-0148

Tot Ion: 91 Resp: 908721
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4

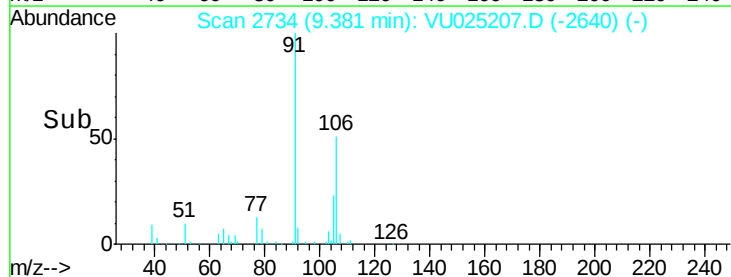
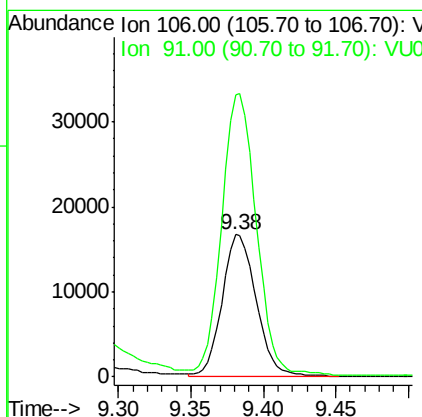
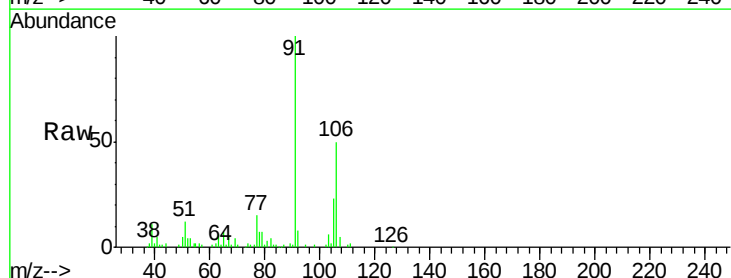
Manual Integrations
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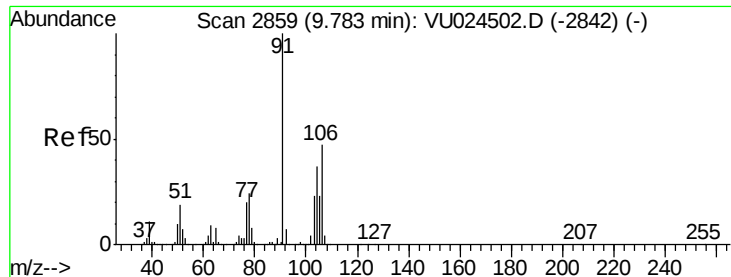
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#68
m/p-Xylenes
Concen: 5.384 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Tgt Ion: 106 Resp: 27488
Ion Ratio Lower Upper
106 100
91 200.3 166.5 249.7





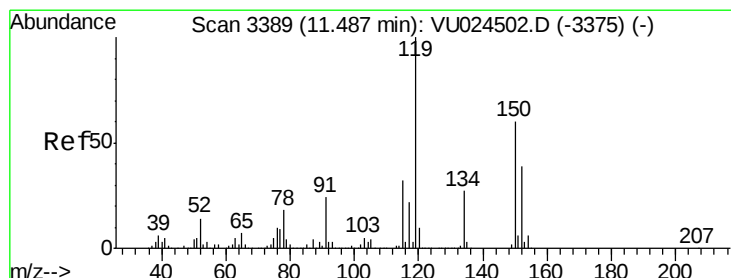
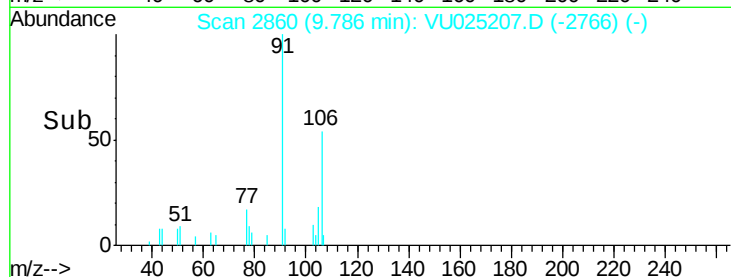
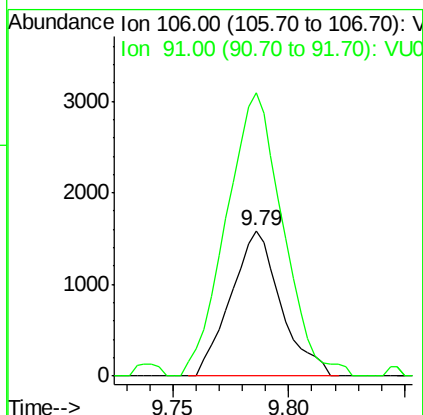
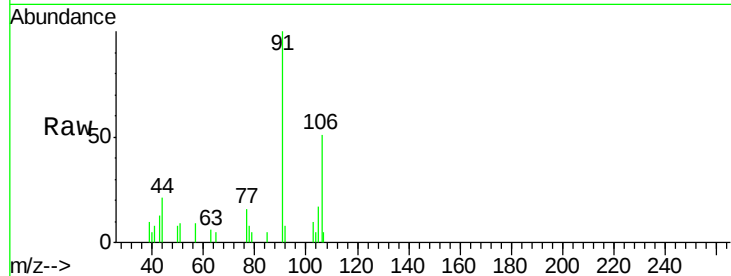
#69
o-Xylene
Concen: 0.470 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :
S10-0148

Tot Ion:106 Resp: 2377
Ion Ratio Lower Upper
106 100
91 220.2 110.7 331.9

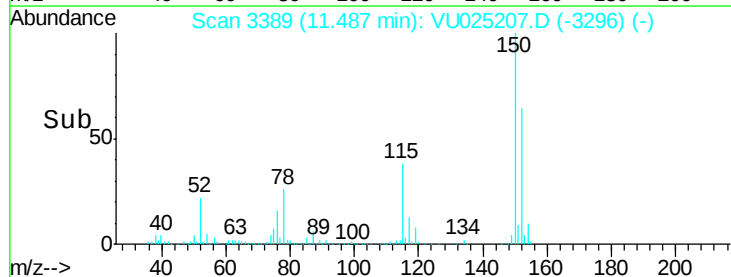
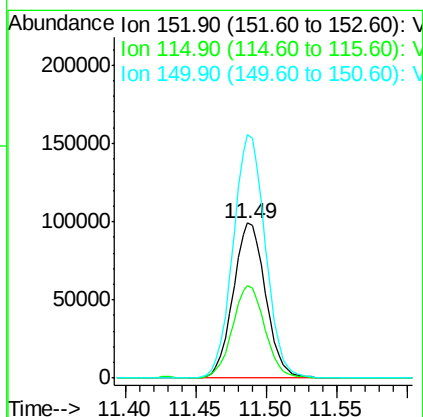
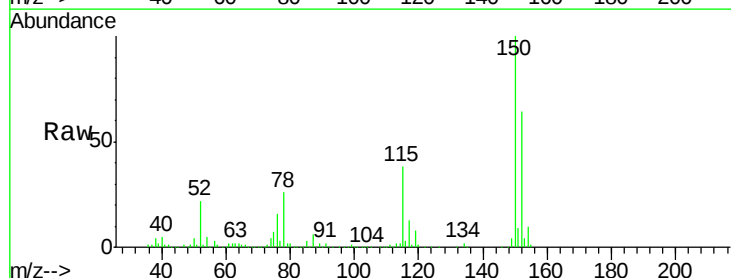
Manual Integrations
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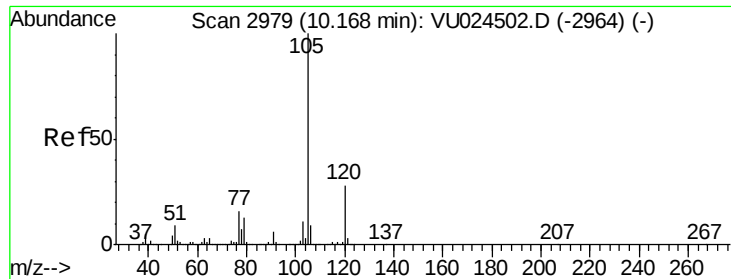
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Tgt Ion:152 Resp: 159502
Ion Ratio Lower Upper
152 100
115 59.1 43.0 129.0
150 157.1 0.0 354.0





#73

Isopropylbenzene

Concen: 13.775 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

S10-0148

Tot Ion: 105 Resp: 168687

Ion Ratio Lower Upper

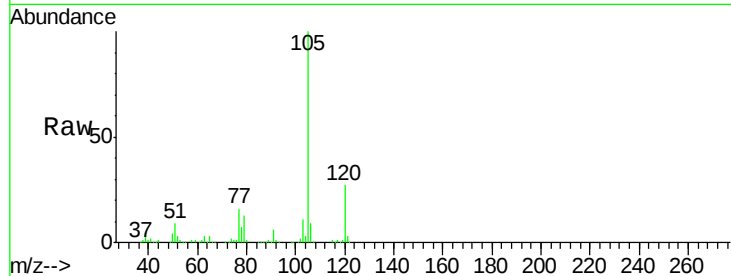
105 100

120 26.3 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

120000

100000

80000

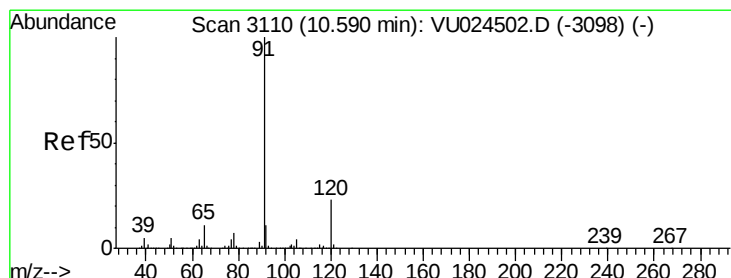
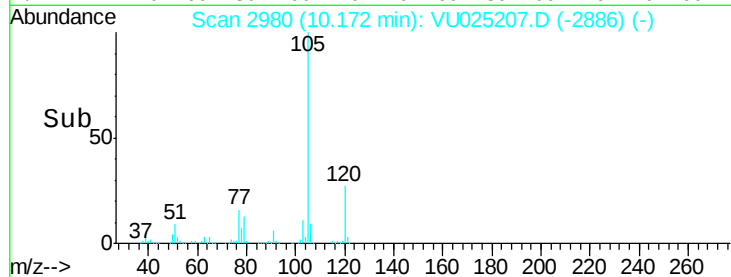
60000

40000

20000

0

Time--> 10.10 10.20



#78

n-propylbenzene

Concen: 12.853 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025207.D

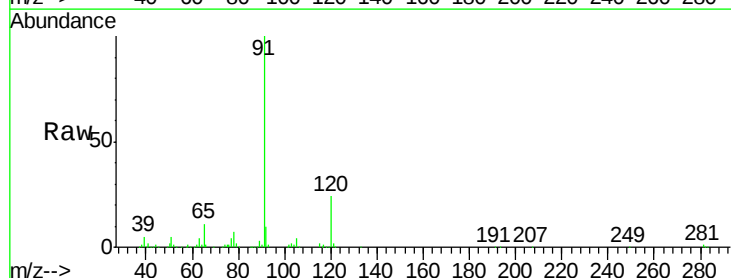
Acq: 05 Jul 2018 11:45

Tgt Ion: 91 Resp: 185414

Ion Ratio Lower Upper

91 100

120 23.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

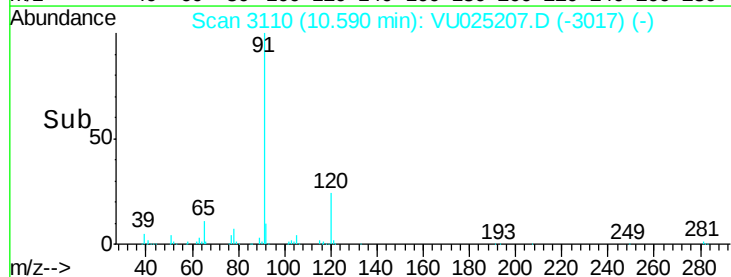
10.59

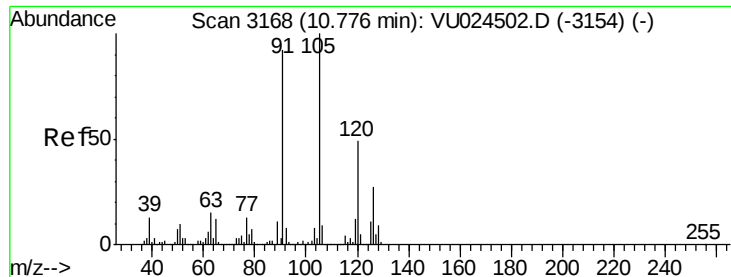
100000

50000

0

Time--> 10.50 10.60 10.70





#80

1,3,5-Trimethylbenzene

Concen: 2.342 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

S10-0148

Tot Ion:105 Resp: 24860

Ion Ratio Lower Upper

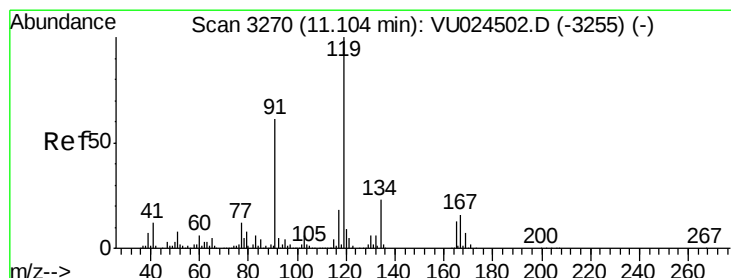
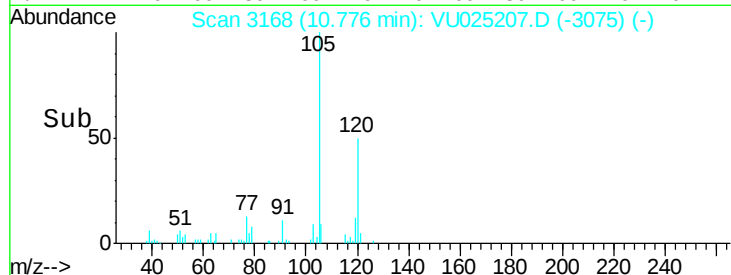
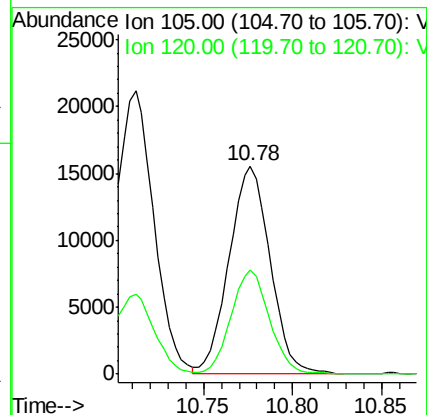
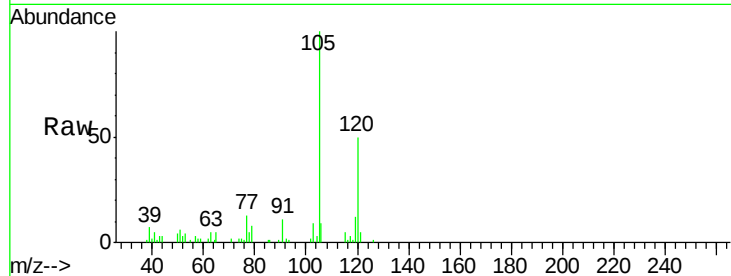
105 100

120 46.8 24.1 72.2

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#83

tert-Butylbenzene

Concen: 0.436 ug/l

RT: 11.11 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

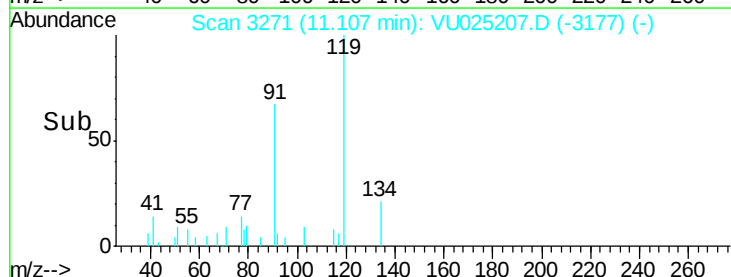
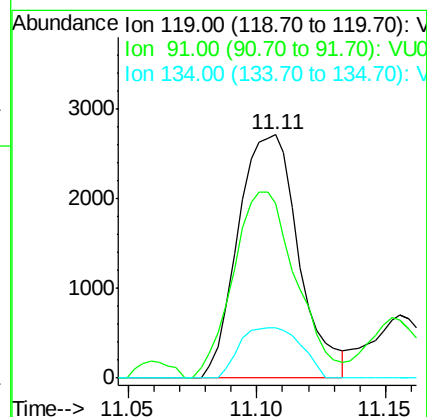
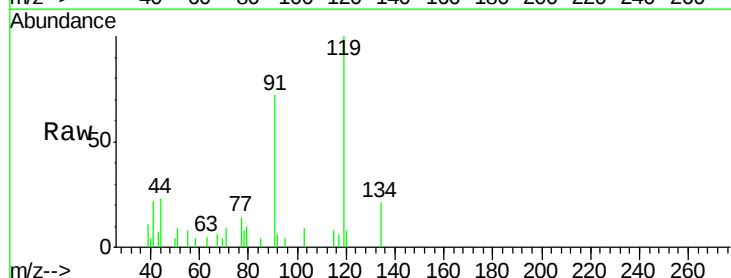
Tgt Ion:119 Resp: 4455

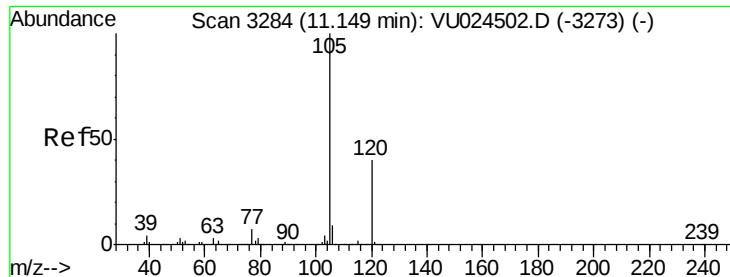
Ion Ratio Lower Upper

119 100

91 79.3 29.7 89.1

134 21.0 11.6 34.7





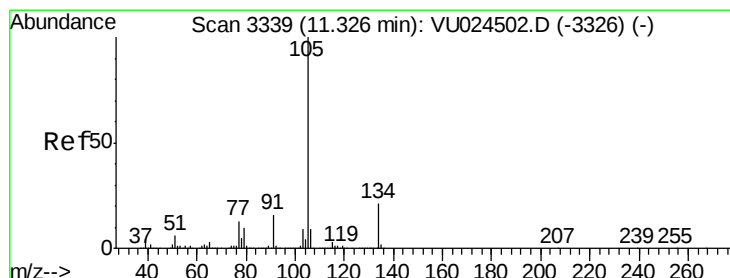
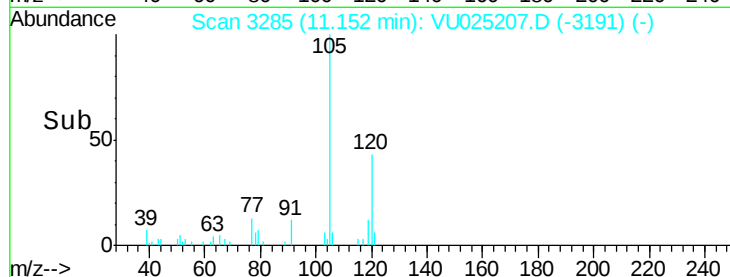
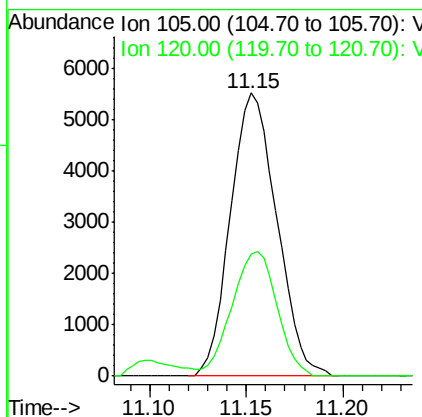
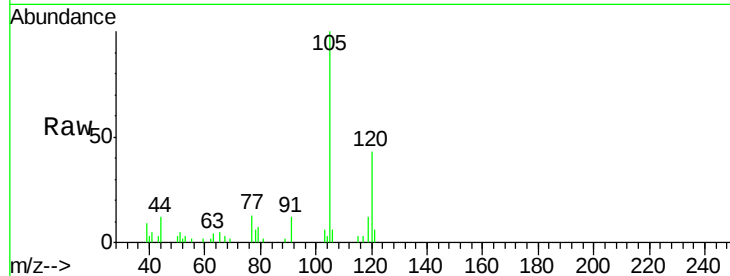
#84
 1,2,4-Trimethylbenzene
 Concen: 0.849 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025207.D
 Acq: 05 Jul 2018 11:45

Instrument :
 MSVOA_U
 ClientSampleId :
 S10-0148

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.9	22.6	67.8

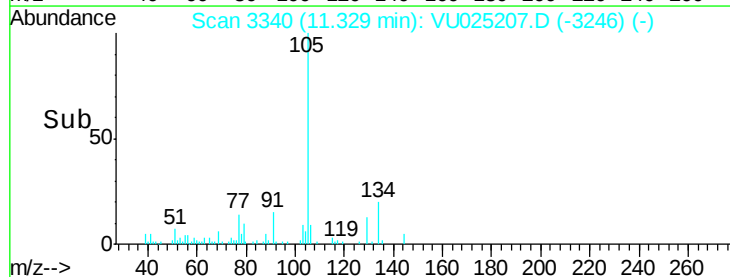
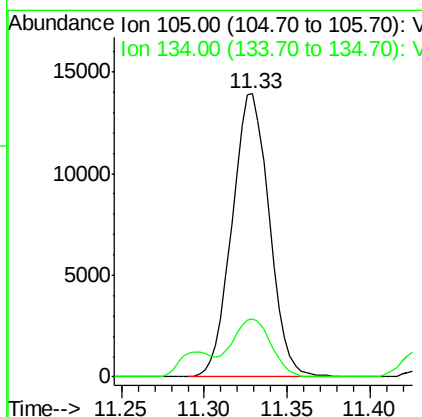
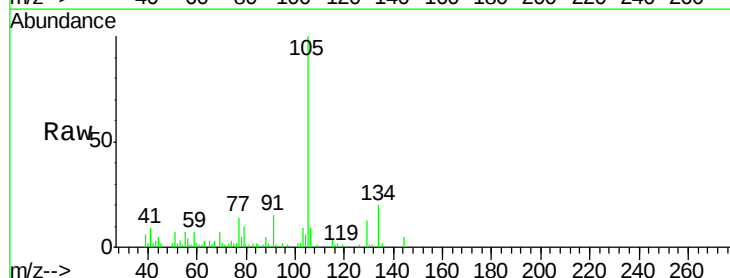
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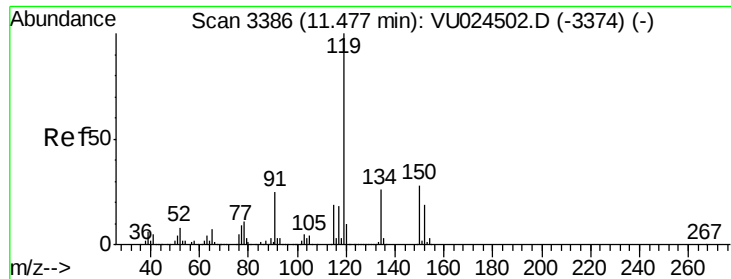
Sam
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#85
 sec-Butylbenzene
 Concen: 1.702 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025207.D
 Acq: 05 Jul 2018 11:45

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.6	9.7	29.1





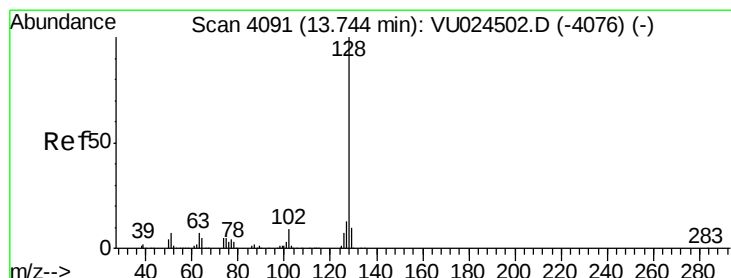
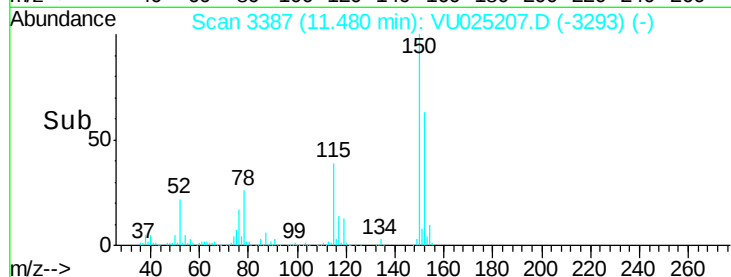
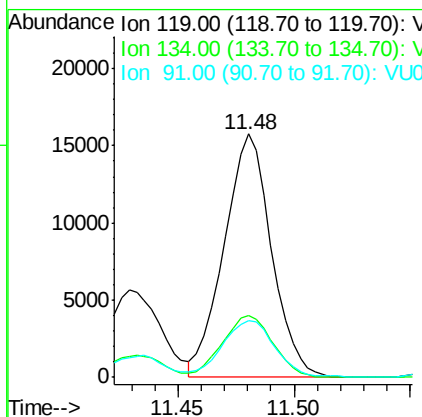
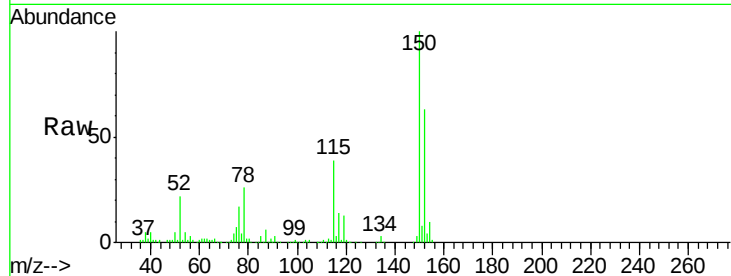
#86
p-Isopropyltoluene
Concen: 1.949 ug/l
RT: 11.48 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :
S10-0148

Tot Ion:	119	Resp:	22305
Ion Ratio	Lower	Upper	
119	100		
134	27.0	12.9	38.6
91	26.0	12.0	36.1

Manual Integrations
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#95
Naphthalene
Concen: 16.536 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Tgt Ion:	128	Resp:	188527
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	11.0	8.6	12.8

