

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025704.D
 Acq On : 28 Jul 2018 05:45
 Operator : MD/SY
 Sample : J4208-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 FL-0511

Manual Integrations
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MMDadoda
 7/31/2018 3:50:14 PM

Quant Time: Jul 30 09:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	170949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	268580	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	264479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	171830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	132607	49.79	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.58%		
35) Dibromofluoromethane	4.89	113	111089	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.12%		
50) Toluene-d8	7.57	98	397091	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.16%		
62) 4-Bromofluorobenzene	10.31	95	157687	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.40%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.00	56	165419	48.70	ug/l	99
39) Methylcyclohexane	6.42	83	197581	54.94	ug/l	97
67) Ethyl Benzene	9.25	91	76901	6.81	ug/l	100
68) m/p-Xylenes	9.38	106	364277	84.00	ug/l	99
73) Isopropylbenzene	10.17	105	198921	16.96	ug/l	100
78) n-propylbenzene	10.59	91	257804	18.83	ug/l	99
83) tert-Butylbenzene	11.15	119	136809	13.82	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.15	105	1143429	113.29	ug/l	99
85) sec-Butylbenzene	11.33	105	29825m	2.47	ug/l	
86) p-Isopropyltoluene	11.48	119	25602	2.37	ug/l	95
89) n-Butylbenzene	11.89	91	17604	1.76	ug/l #	72
95) Naphthalene	13.74	128	308260	24.81	ug/l	99

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

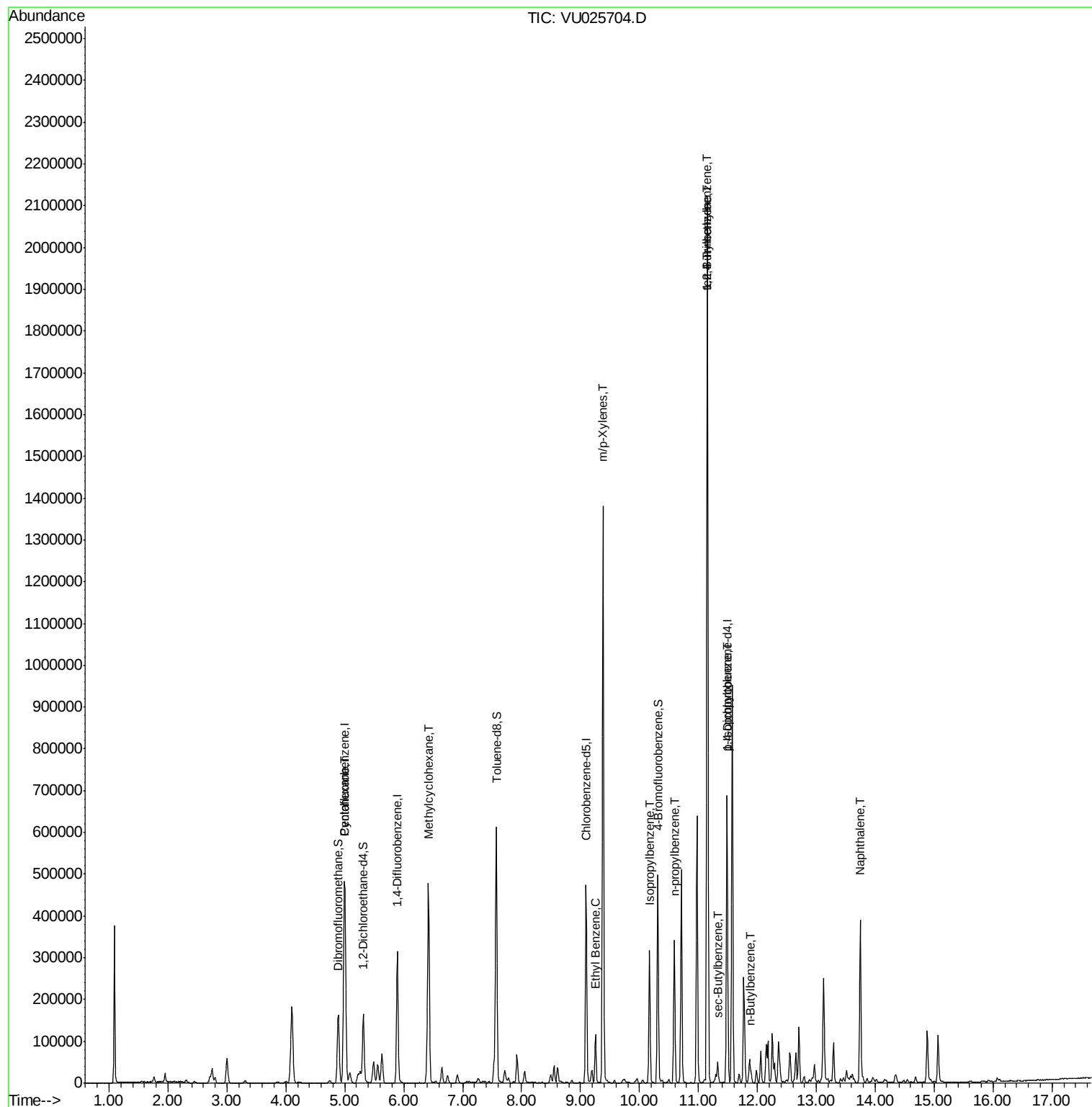
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
Data File : VU025704.D
Acq On : 28 Jul 2018 05:45
Operator : MD/SY
Sample : J4208-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 50 Sample Multiplier: 1

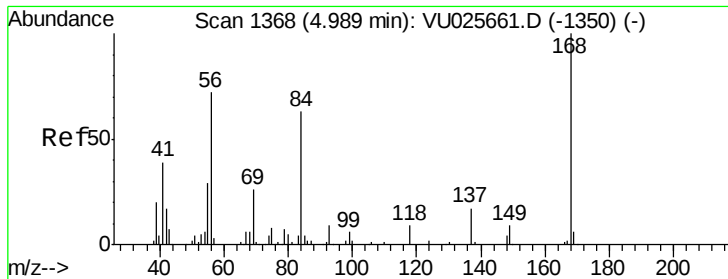
Instrument :
MSVOA_U
ClientSampleId :
FL-0511

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7/31/2018 3:50:14 PM

Quant Time: Jul 30 09:05:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025704.D

Acq: 28 Jul 2018 05:45

Instrument :

MSVOA_U

ClientSampled :

FL-0511

Tot Ion:168 Resp: 170949

Ion Ratio Lower Upper

168 100

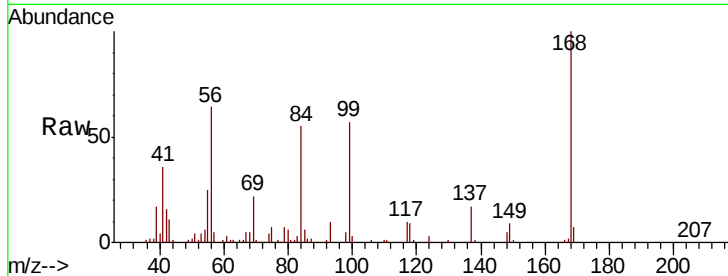
99 56.9 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

80000

60000

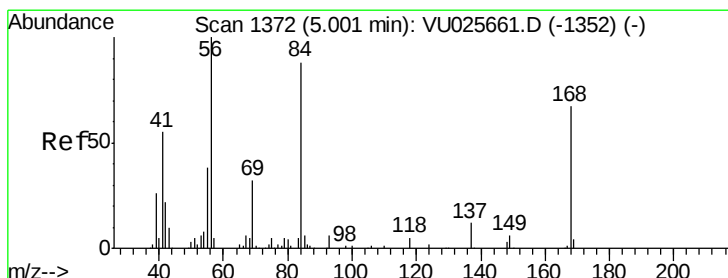
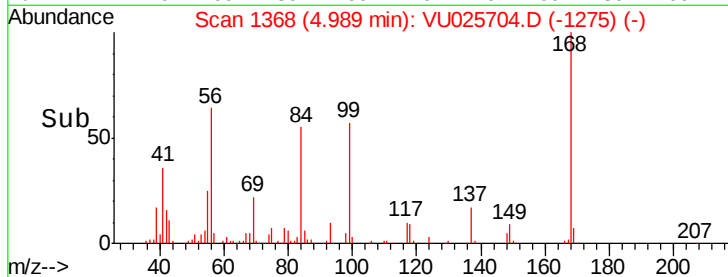
40000

20000

0

Time-->

4.90 5.00 5.10



#31

Cyclohexane

Concen: 48.70 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025704.D

Acq: 28 Jul 2018 05:45

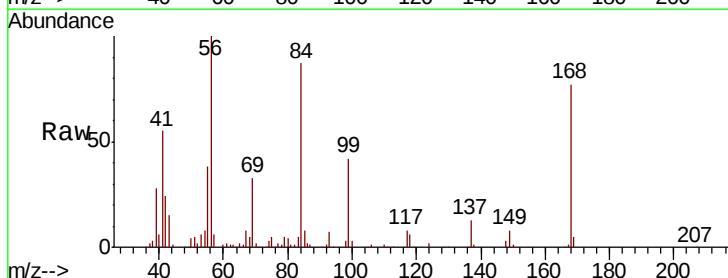
Tgt Ion: 56 Resp: 165419

Ion Ratio Lower Upper

56 100

69 32.7 26.8 40.2

84 87.3 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU025661.D (-1352) (-)

Ion 69.00 (68.70 to 69.70): VU025661.D (-1352) (-)

Ion 84.00 (83.70 to 84.70): VU025661.D (-1352) (-)

5.00

80000

60000

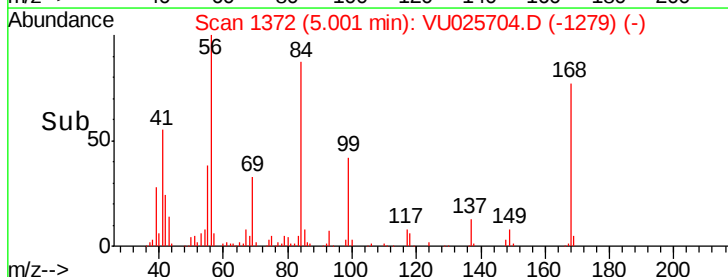
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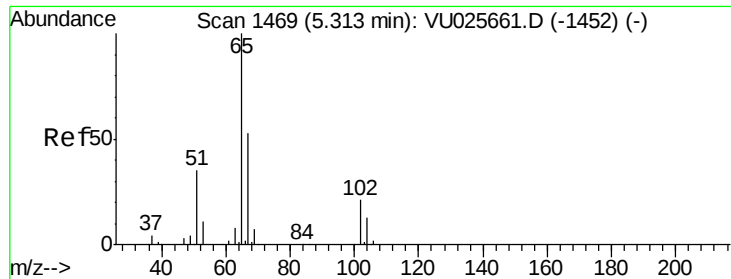
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Time-->

4.90 4.95 5.00 5.05





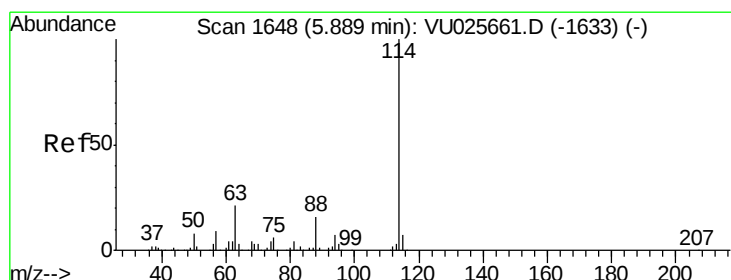
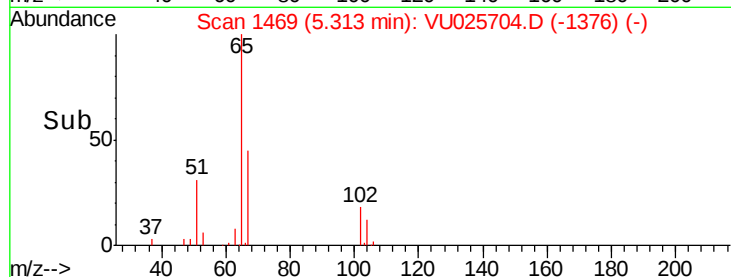
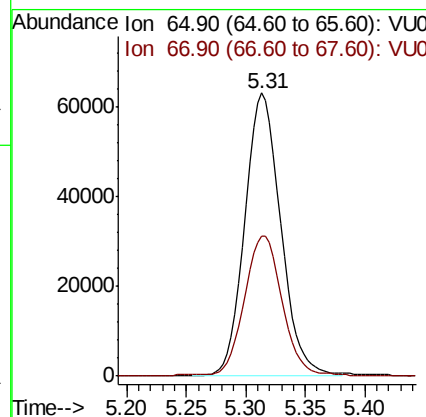
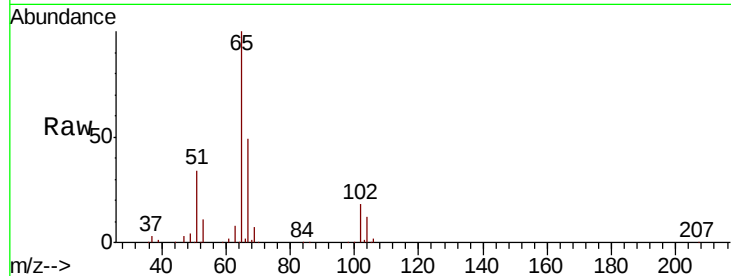
#33
 1,2-Dichloroethane-d4
 Concen: 49.79 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025704.D
 Acq: 28 Jul 2018 05:45

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0511

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6

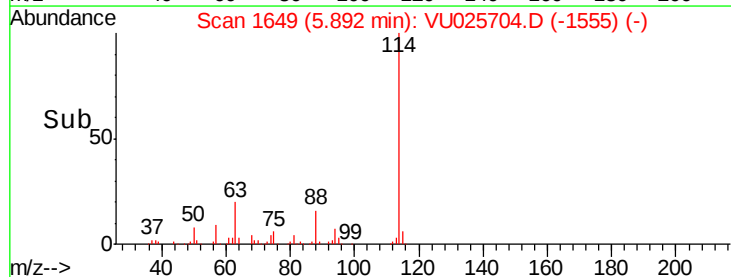
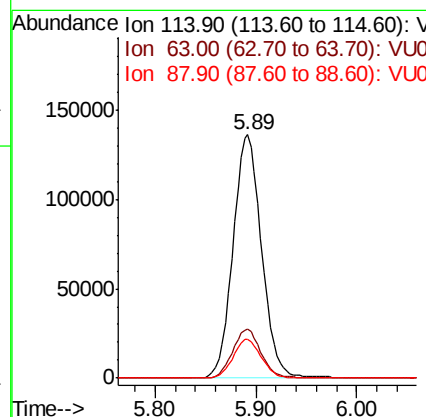
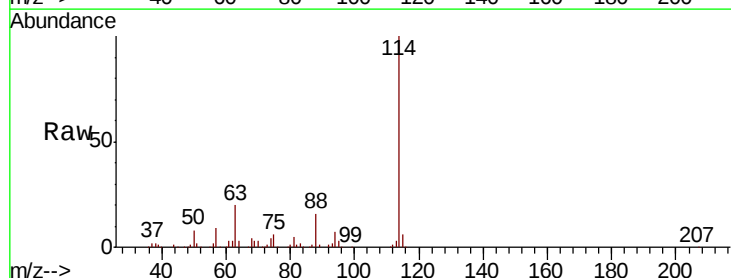
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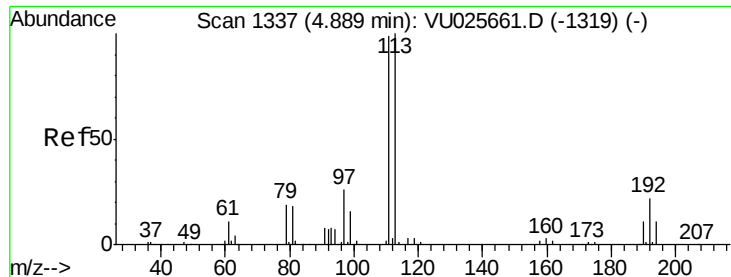
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025704.D
 Acq: 28 Jul 2018 05:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.6
88	15.8	0.0	32.4





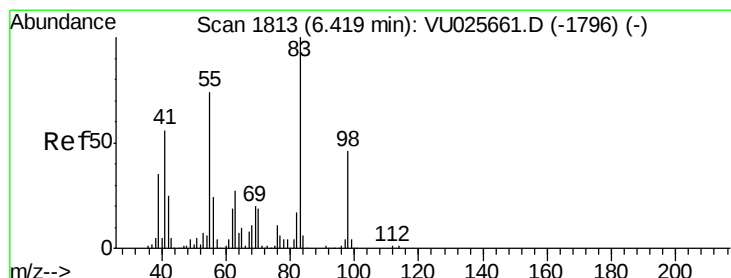
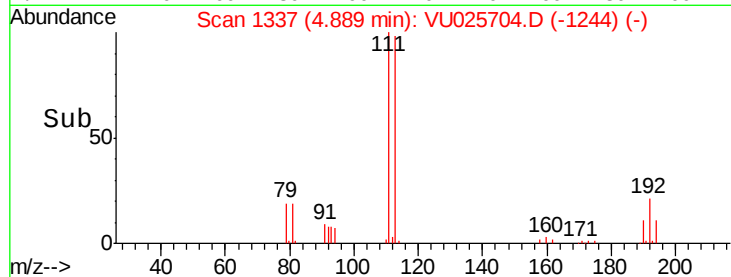
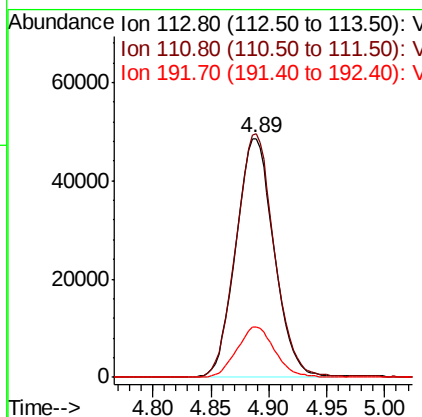
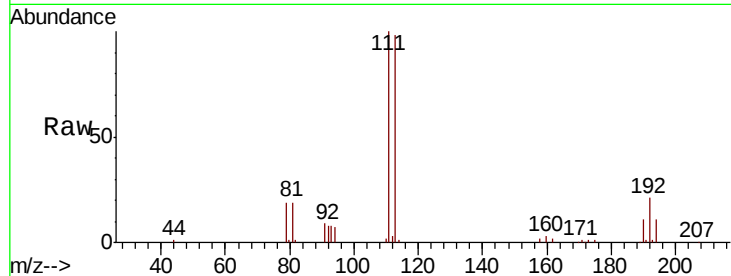
#35
 Dibromofluoromethane
 Concen: 47.56 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025704.D
 Acq: 28 Jul 2018 05:45

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0511

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.7	122.5
192	21.1	17.1	25.7

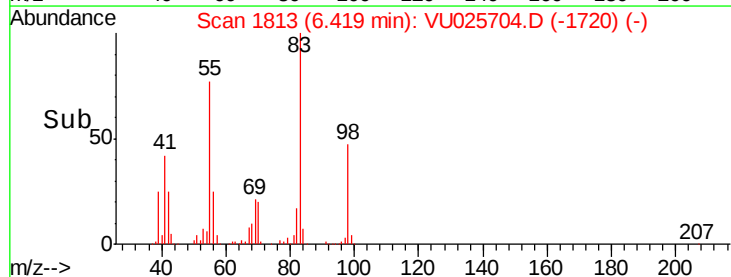
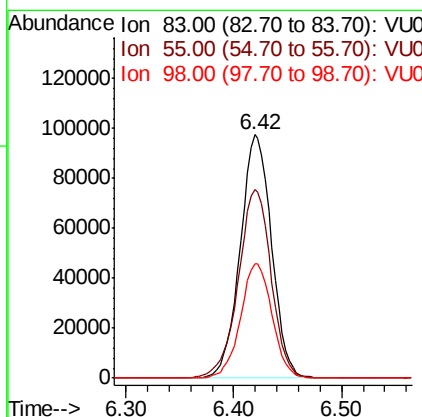
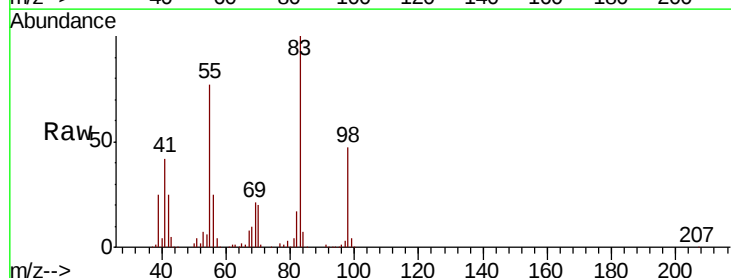
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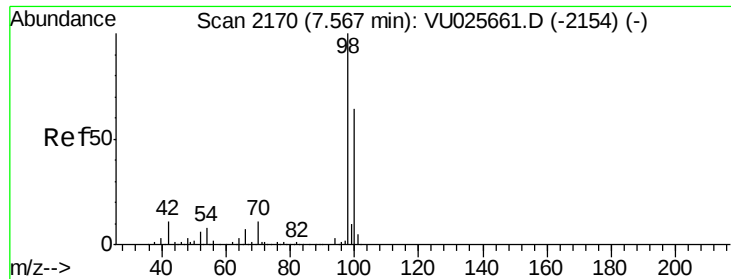
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#39
 Methylcyclohexane
 Concen: 54.94 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025704.D
 Acq: 28 Jul 2018 05:45

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.2	60.0	90.0
98	46.8	36.1	54.1





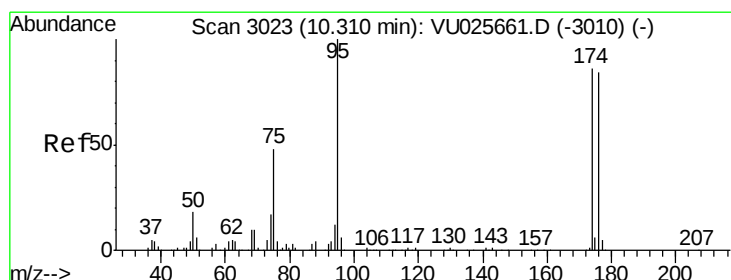
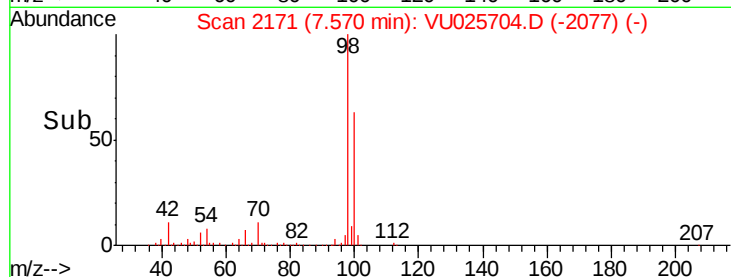
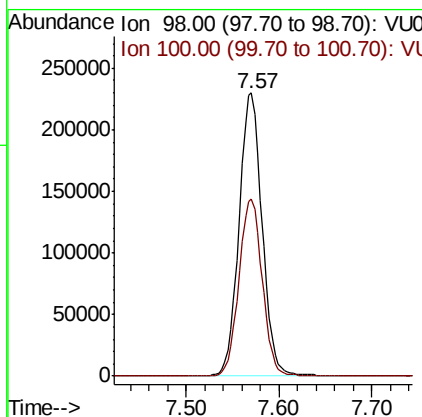
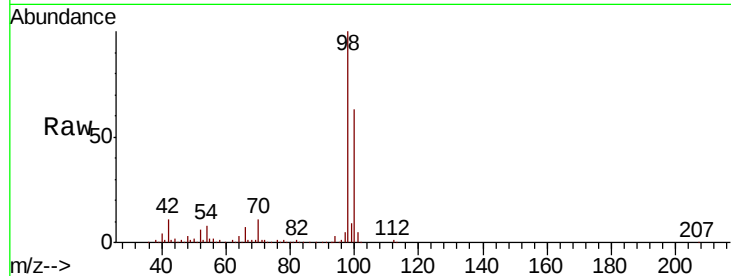
#50
Toluene-d8
Concen: 48.58 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025704.D
Acq: 28 Jul 2018 05:45

Instrument :
MSVOA_U
ClientSampleId :
FL-0511

Tot Ion: 98 Resp: 397091
Ion Ratio Lower Upper
98 100
100 63.2 51.1 76.7

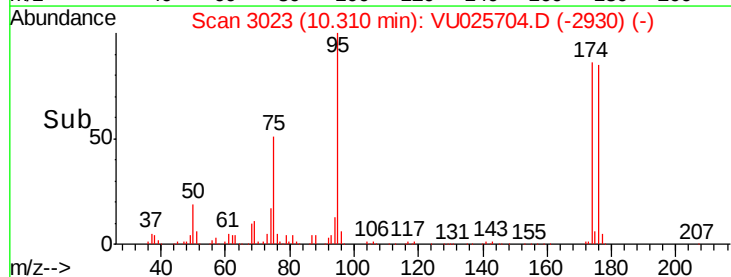
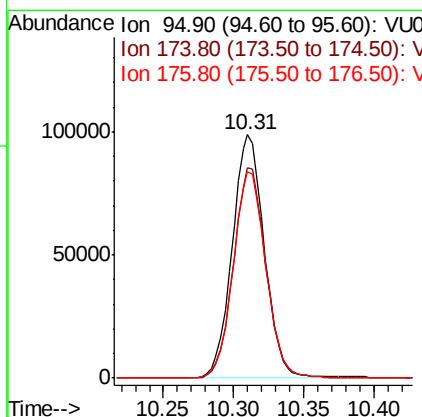
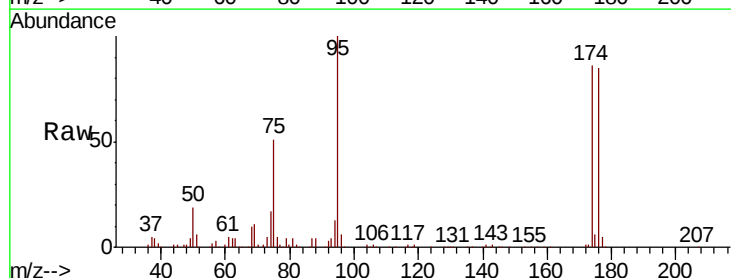
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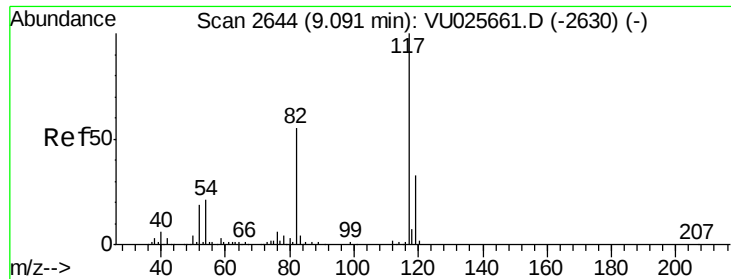
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#62
4-Bromofluorobenzene
Concen: 49.70 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025704.D
Acq: 28 Jul 2018 05:45

Tgt Ion: 95 Resp: 157687
Ion Ratio Lower Upper
95 100
174 87.0 0.0 172.2
176 85.9 0.0 162.6





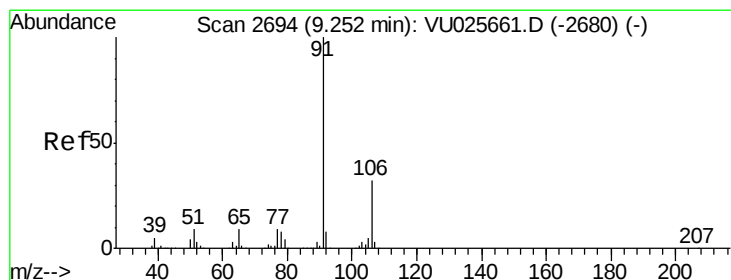
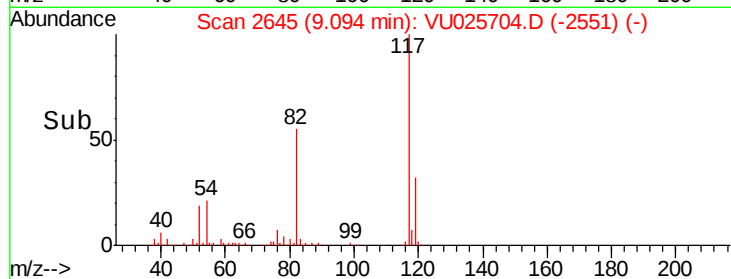
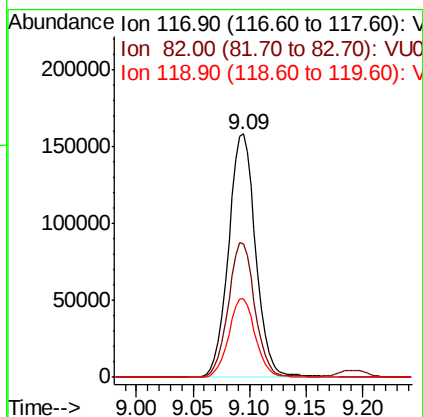
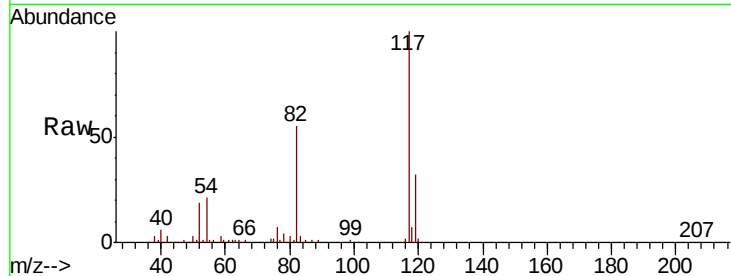
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025704.D
Acq: 28 Jul 2018 05:45

Instrument :
MSVOA_U
ClientSampleId :
FL-0511

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.0	69.0
119	32.2	26.0	39.0

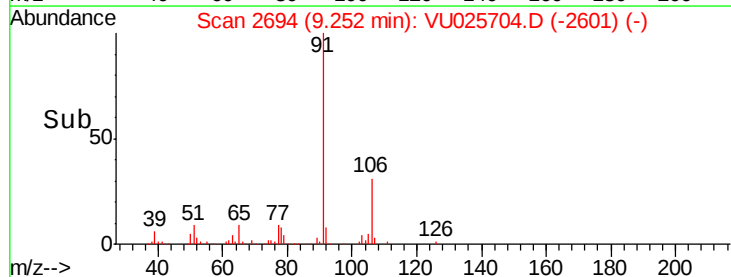
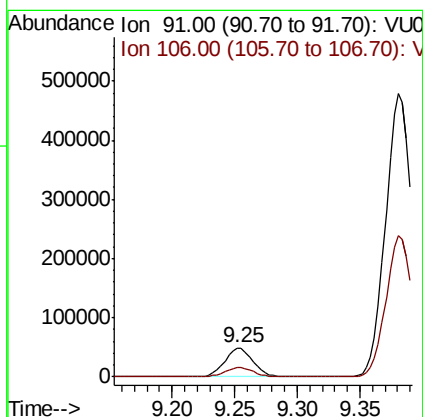
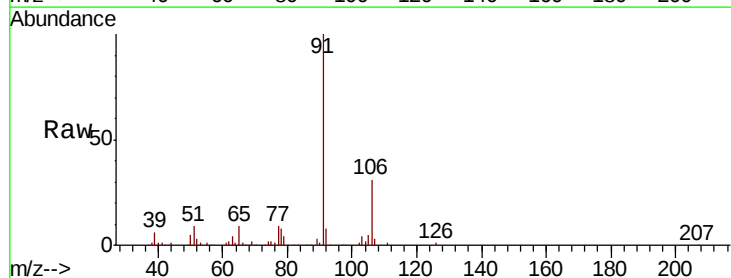
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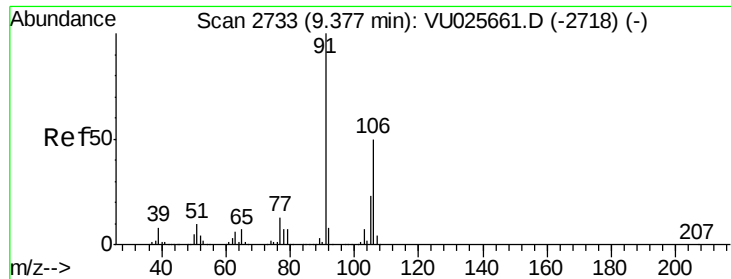
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#67
Ethyl Benzene
Concen: 6.81 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025704.D
Acq: 28 Jul 2018 05:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9





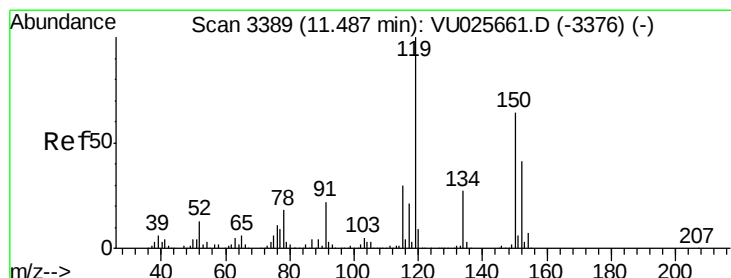
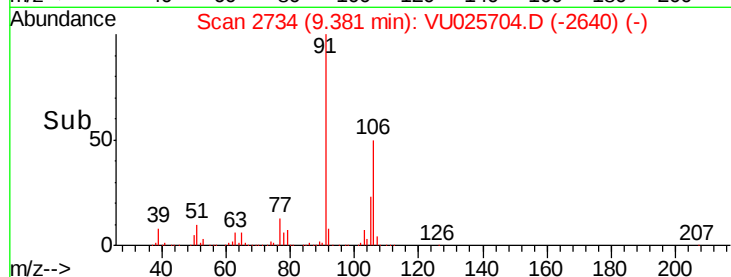
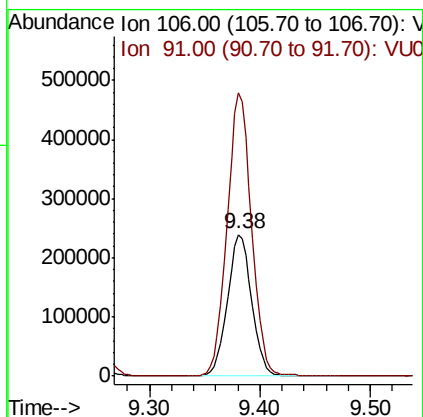
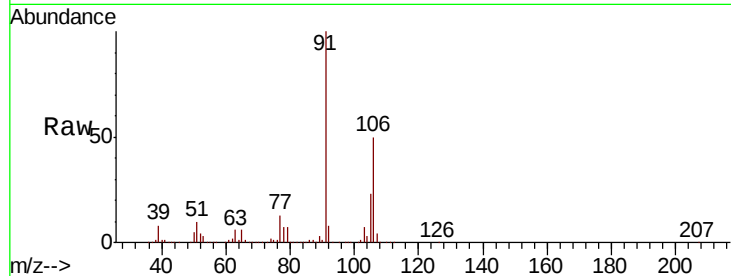
#68
m/p-Xvlenes
Concen: 84.00 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025704.D
Acq: 28 Jul 2018 05:45

Instrument :
MSVOA_U
ClientSampled :
FL-0511

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	201.7	162.3	243.5		

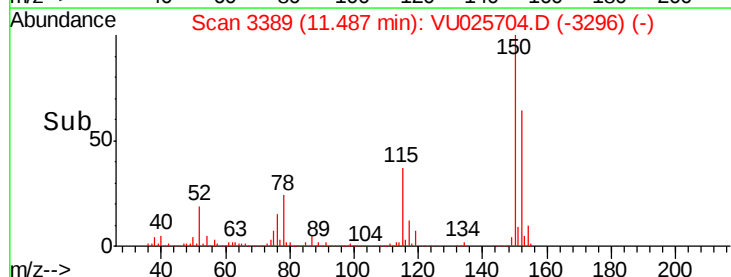
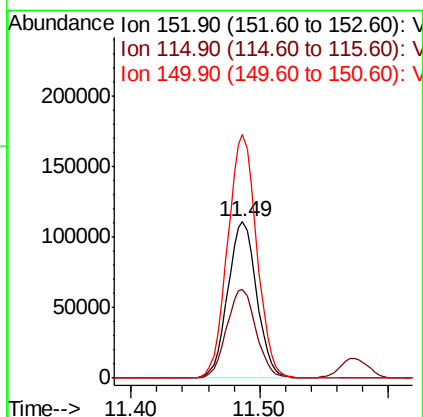
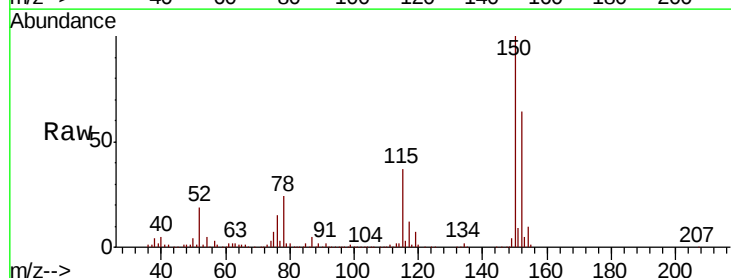
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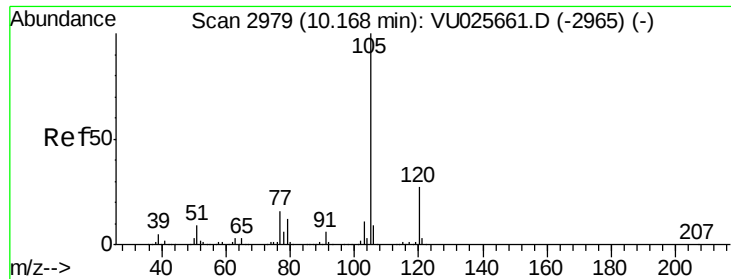
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025704.D
Acq: 28 Jul 2018 05:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	57.8	40.1	120.3		
150	156.6	0.0	351.4		





#73

Isopropylbenzene

Concen: 16.96 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025704.D

Acq: 28 Jul 2018 05:45

Instrument :

MSVOA_U

ClientSampled :

FL-0511

Tot Ion: 105 Resp: 198921

Ion Ratio Lower Upper

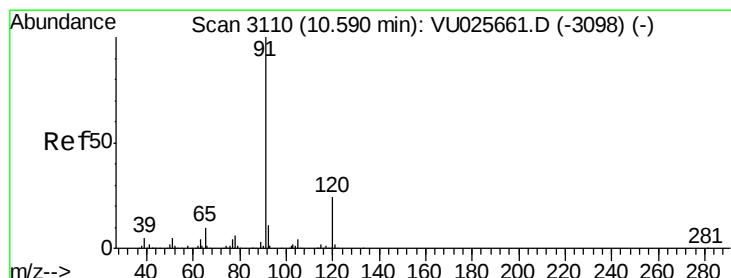
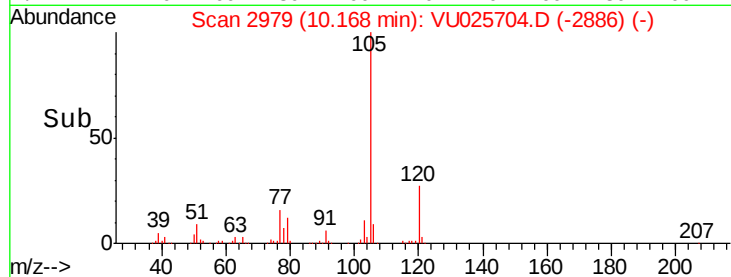
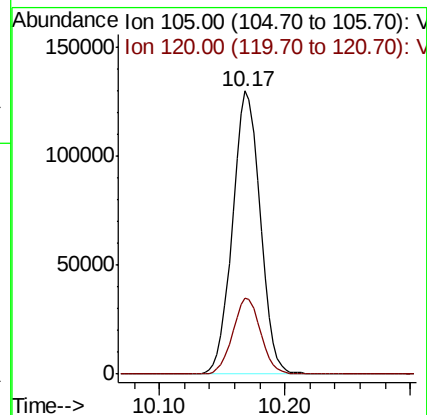
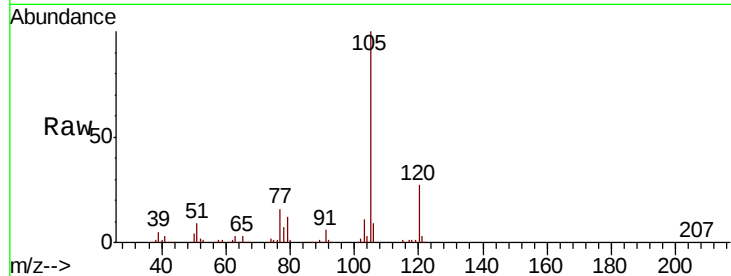
105 100

120 27.0 13.5 40.5

Manual Integrations
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#78

n-propylbenzene

Concen: 18.83 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025704.D

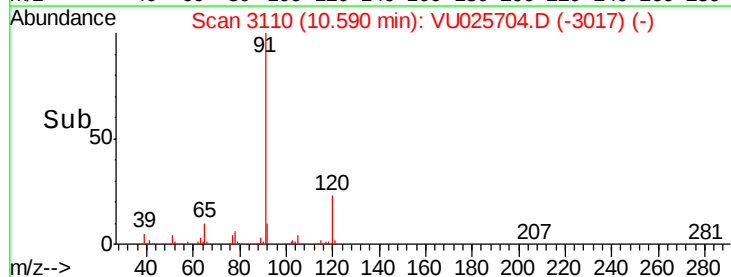
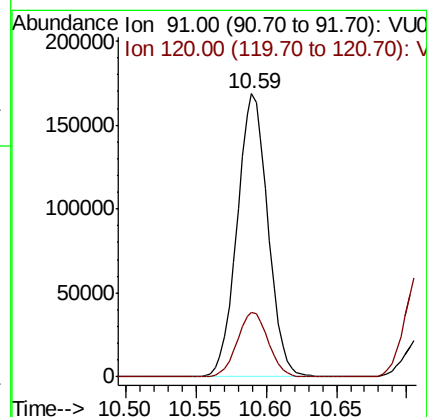
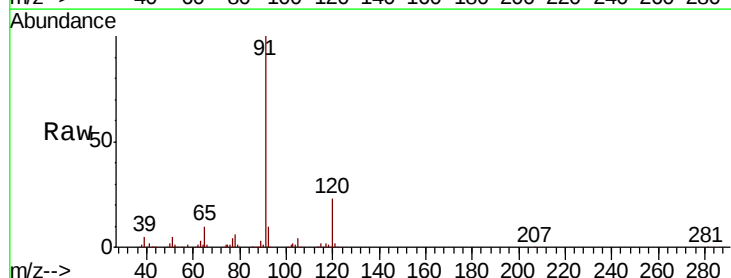
Acq: 28 Jul 2018 05:45

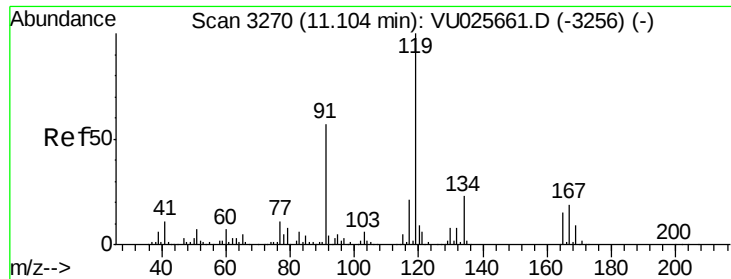
Tgt Ion: 91 Resp: 257804

Ion Ratio Lower Upper

91 100

120 23.0 11.8 35.3





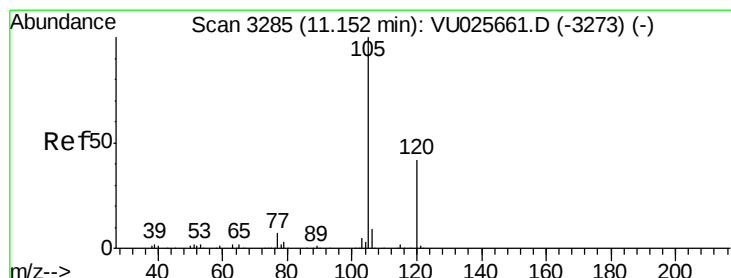
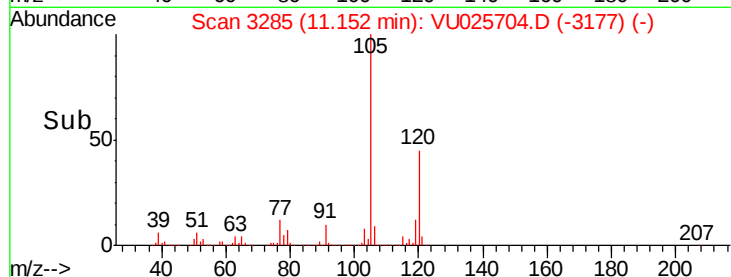
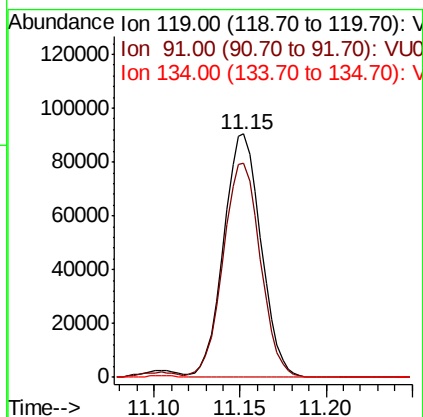
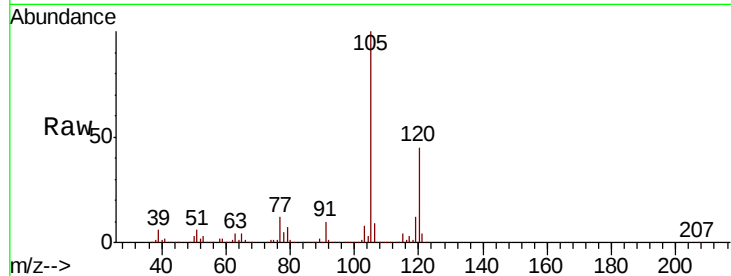
#83
 tert-Butylbenzene
 Concen: 13.82 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.05 min
 Lab File: VU025704.D
 Acq: 28 Jul 2018 05:45

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0511

Tot Ion	Ratio	Lower	Upper
119	100		
91	87.8	29.7	89.1
134	0.0	11.5	34.5#

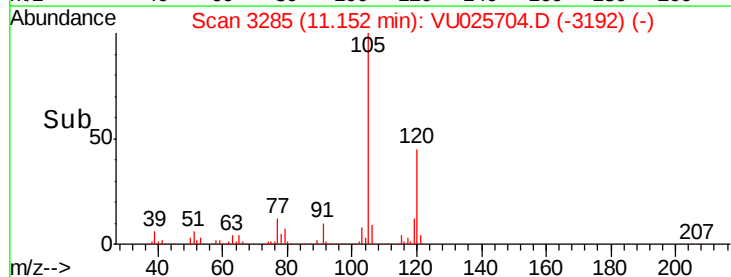
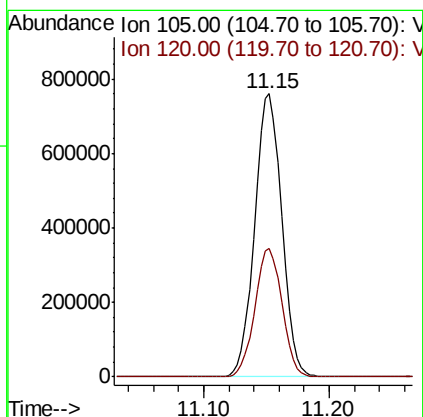
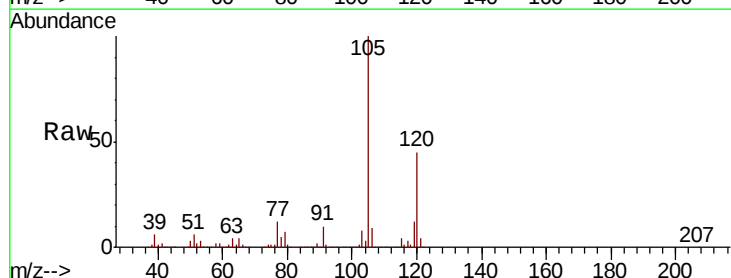
Manual Integrations
 APPROVED

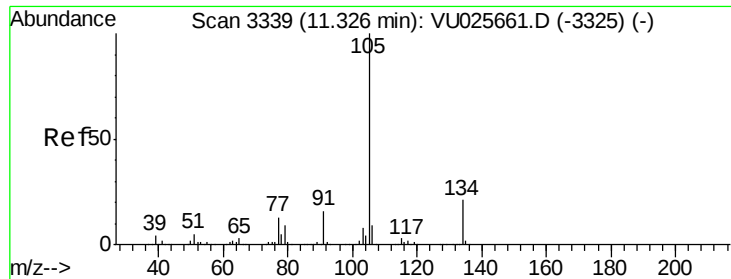
MMDadoda
 7/31/2018 3:50:14 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 113.29 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025704.D
 Acq: 28 Jul 2018 05:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 2.47 ug/l m

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025704.D

Acq: 28 Jul 2018 05:45

Instrument :

MSVOA_U

ClientSampleId :

FL-0511

Tot Ion:105 Resp: 29825

Ion Ratio Lower Upper

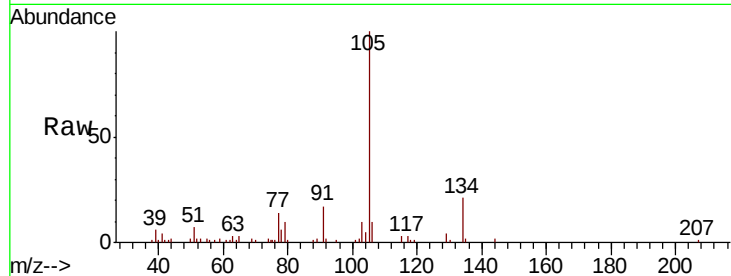
105 100

134 0.0 10.3 30.8#

Manual Integrations
APPROVED

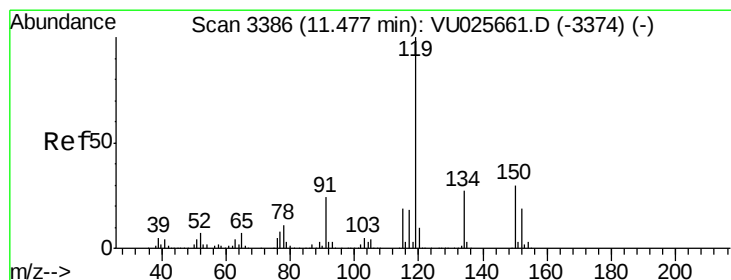
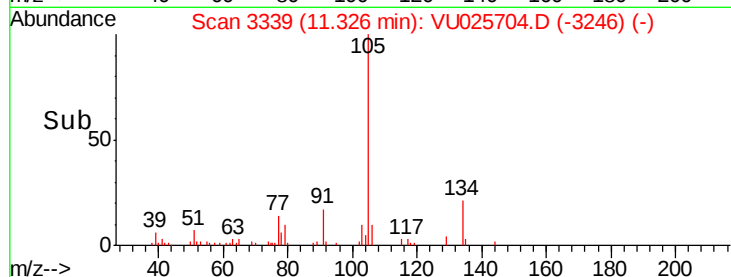
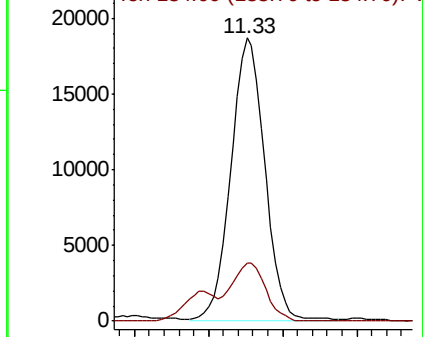
MMDadoda

7/31/2018 3:50:14 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.37 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025704.D

Acq: 28 Jul 2018 05:45

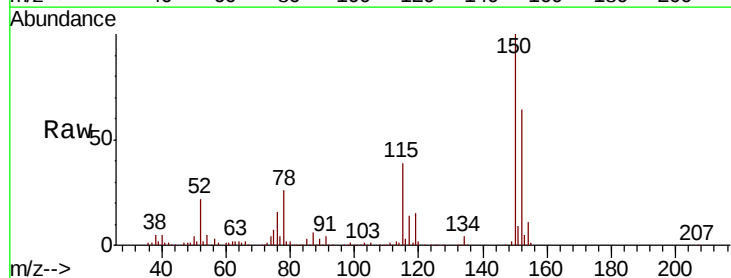
Tgt Ion:119 Resp: 25602

Ion Ratio Lower Upper

119 100

134 27.1 13.2 39.5

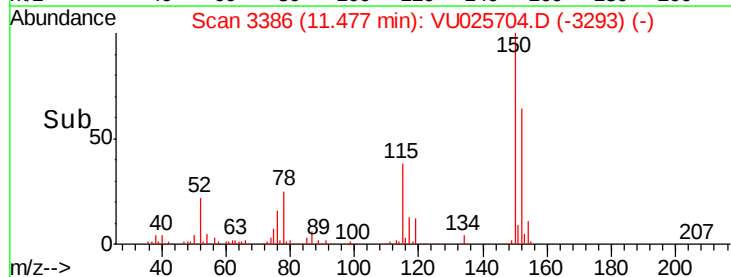
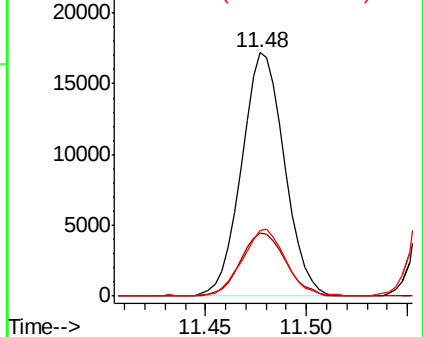
91 28.0 12.0 36.1

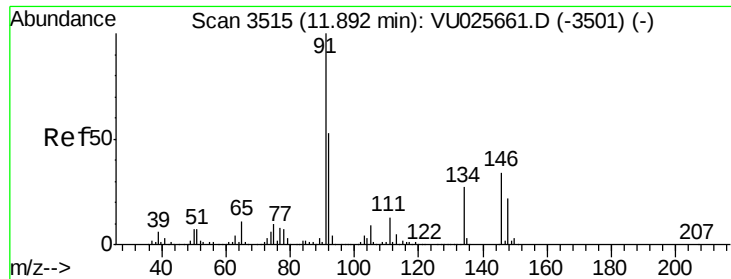


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





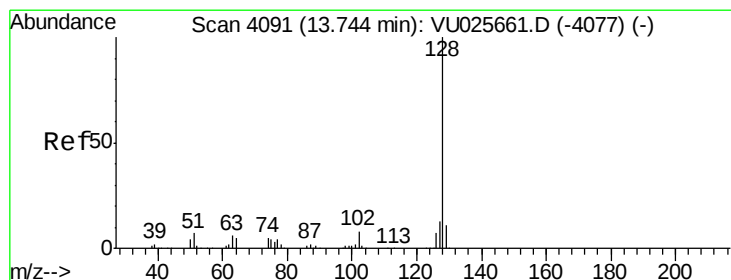
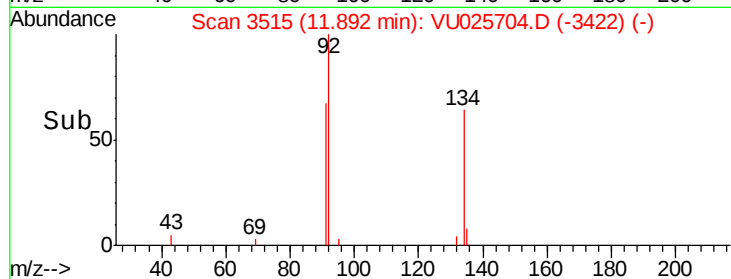
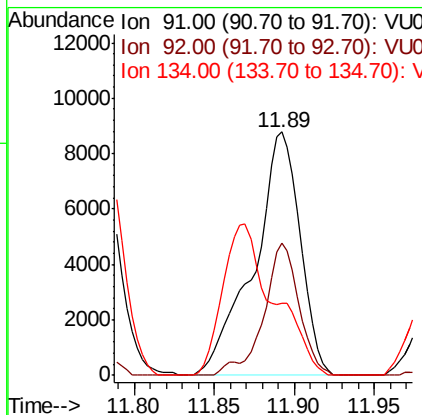
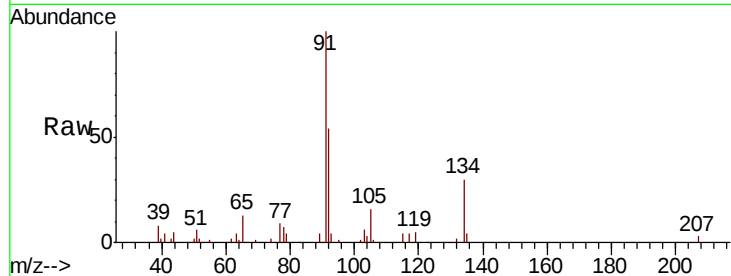
#89
n-Butylbenzene
Concen: 1.76 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025704.D
Acq: 28 Jul 2018 05:45

Instrument :
MSVOA_U
ClientSampled :
FL-0511

Tot Ion	Ratio	Lower	Upper
91	100		
92	41.4	26.5	79.5
134	0.0	13.6	40.7#

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:50:14 PM



#95
Naphthalene
Concen: 24.81 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025704.D
Acq: 28 Jul 2018 05:45

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.3	12.5

