

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025690.D
 Acq On : 28 Jul 2018 00:18
 Operator : MD/SY
 Sample : J4154-09DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0510DL

Manual Integrations
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MMDadoda
 7/31/2018 3:50:07 PM

Quant Time: Jul 30 08:52:41 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	173928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	270428	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	178414	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	132688	48.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.92%	
35) Dibromofluoromethane	4.88	113	109976	46.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.52%	
50) Toluene-d8	7.57	98	394027	47.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	10.31	95	166576	52.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	9.25	91	178382	15.46	ug/l	100
68) m/p-Xylenes	9.38	106	155298	35.05	ug/l	99
69) o-Xylene	9.78	106	95628	22.09	ug/l	97
73) Isopropylbenzene	10.17	105	27033	2.22	ug/l	99
78) n-propylbenzene	10.59	91	42494	2.99	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	72779	7.04	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	282110	26.92	ug/l	99
95) Naphthalene	13.75	128	61423	5.77	ug/l	99

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

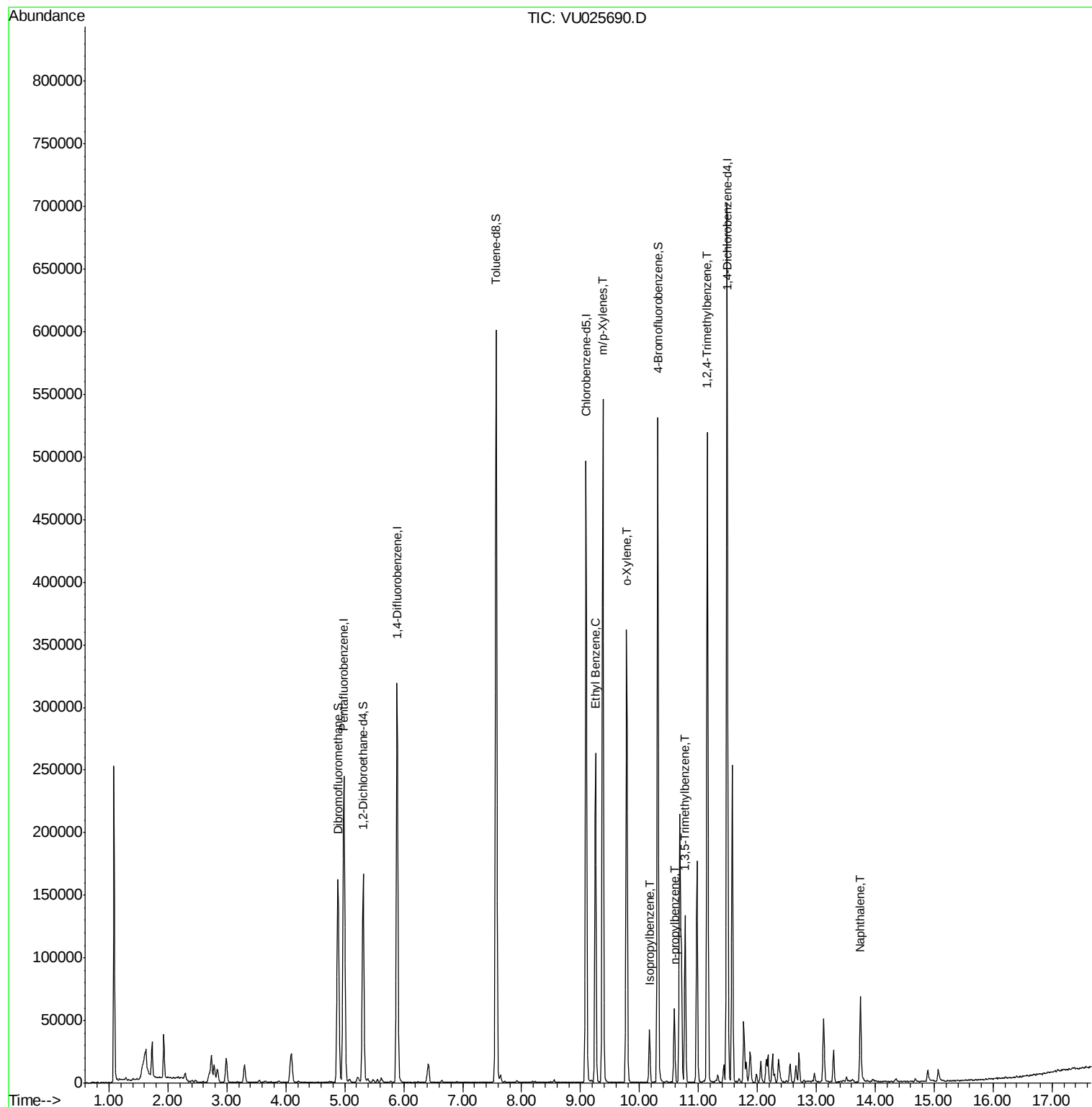
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
Data File : VU025690.D
Acq On : 28 Jul 2018 00:18
Operator : MD/SY
Sample : J4154-09DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

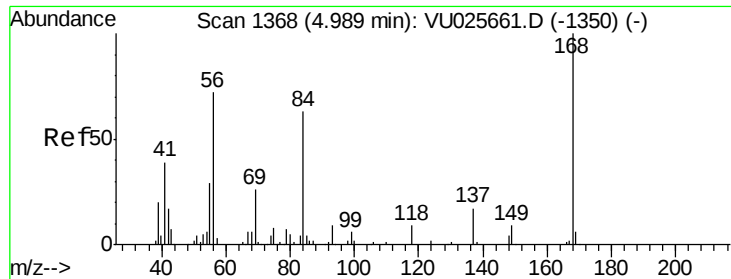
Instrument :
MSVOA_U
ClientSampleId :
FL-0510DL

Manual Integrations
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7/31/2018 3:50:07 PM

Quant Time: Jul 30 08:52:41 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# 1367

Delta R.T. -0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0510DL

Tot Ion:168 Resp: 173928

Ion Ratio Lower Upper

168 100

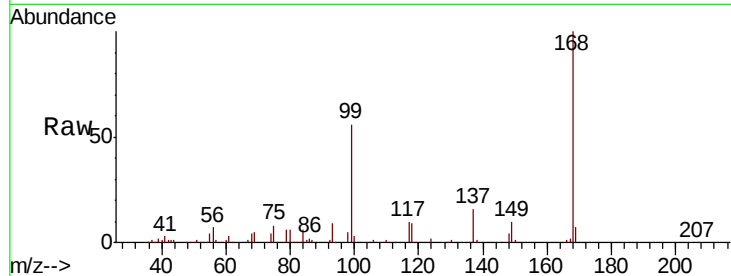
99 56.2 42.8 64.2

Manual Integrations

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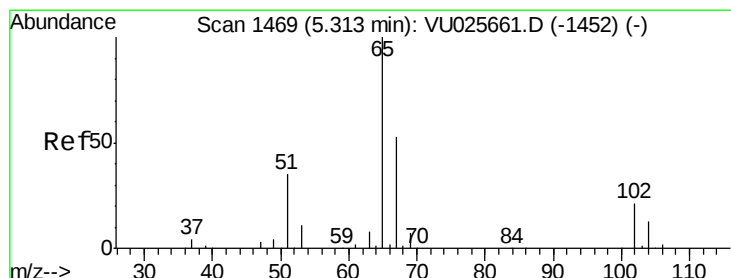
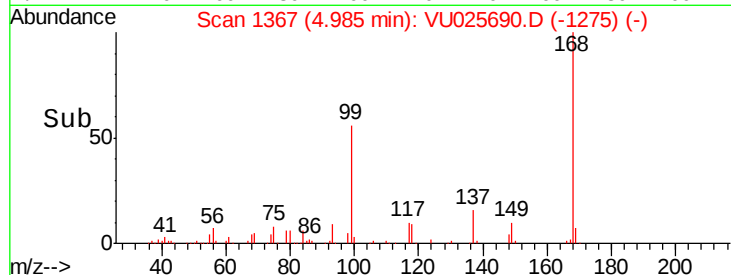
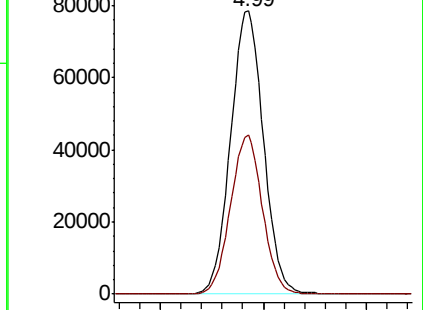
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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

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



#33

1,2-Dichloroethane-d4

Concen: 48.96 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025690.D

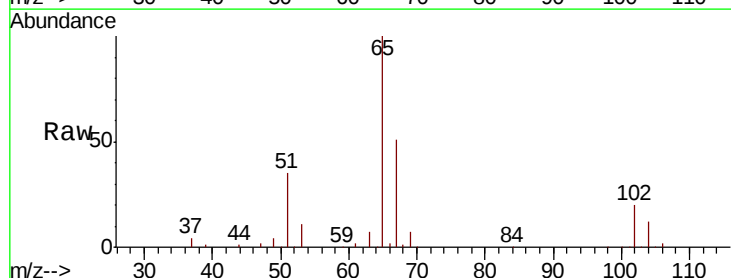
Acq: 28 Jul 2018 00:18

Tgt Ion: 65 Resp: 132688

Ion Ratio Lower Upper

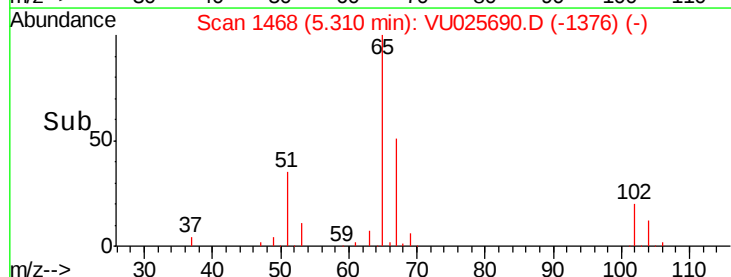
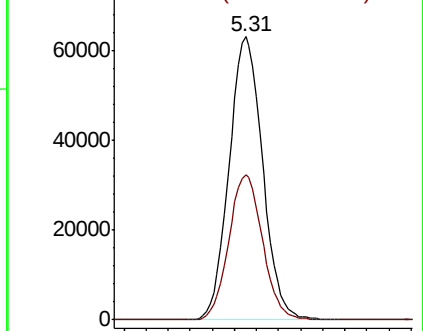
65 100

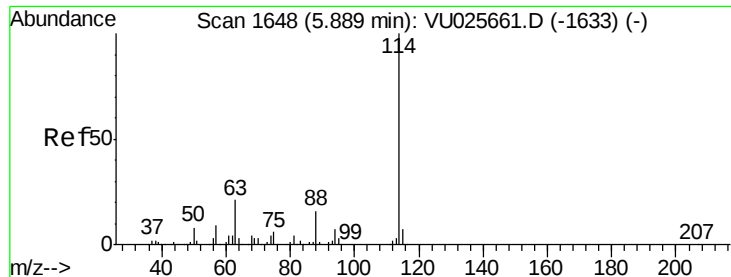
67 51.7 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025661.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025661.D (-1452) (-)





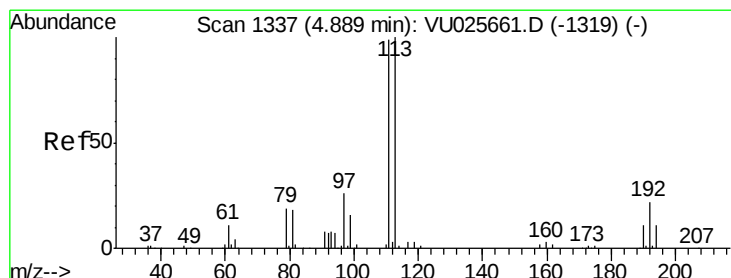
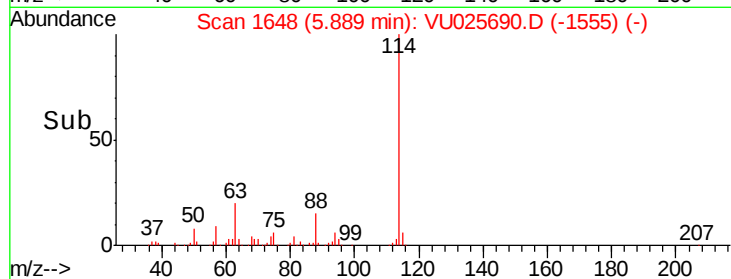
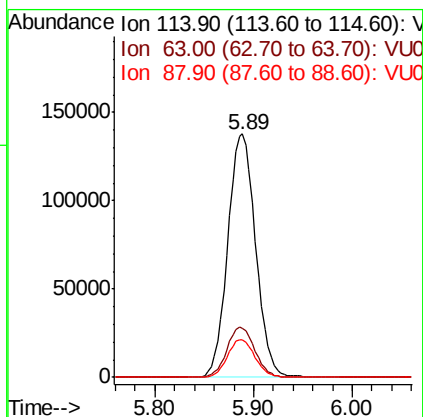
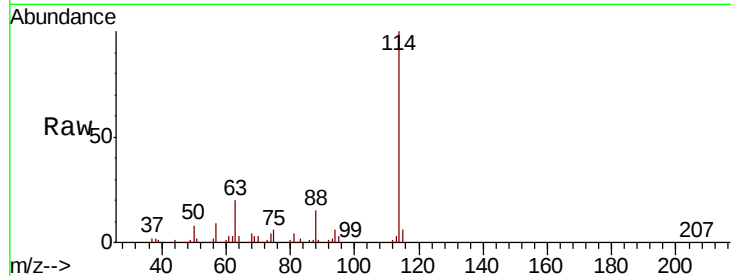
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025690.D
 Acq: 28 Jul 2018 00:18

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0510DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	270428		
63	20.4		0.0	41.6
88	15.4		0.0	32.4

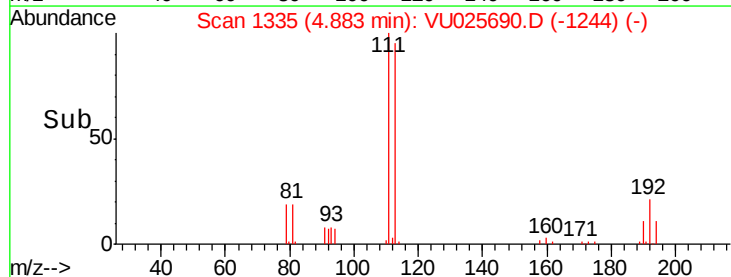
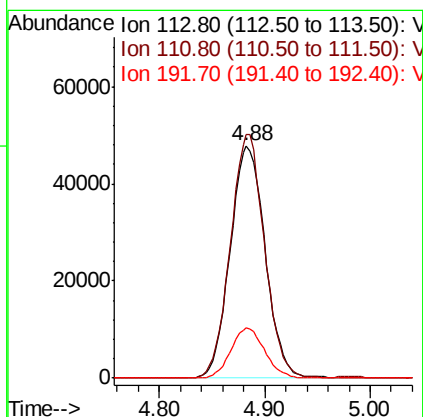
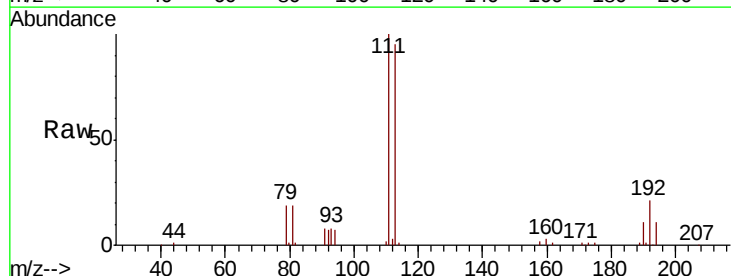
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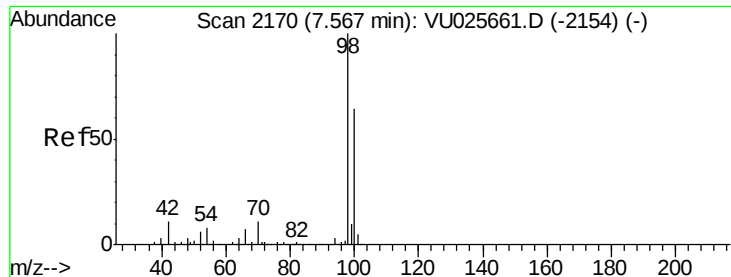
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#35
 Dibromofluoromethane
 Concen: 46.76 ug/l
 RT: 4.88 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VU025690.D
 Acq: 28 Jul 2018 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	109976		
111	102.4		81.7	122.5
192	20.7		17.1	25.7





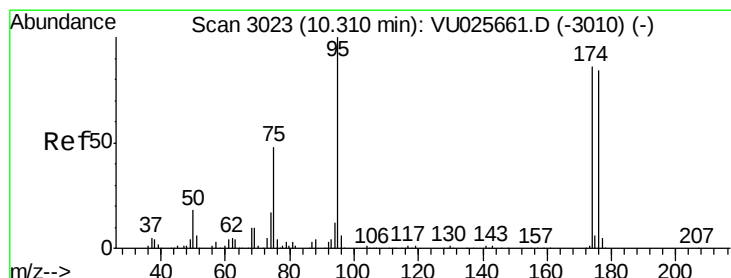
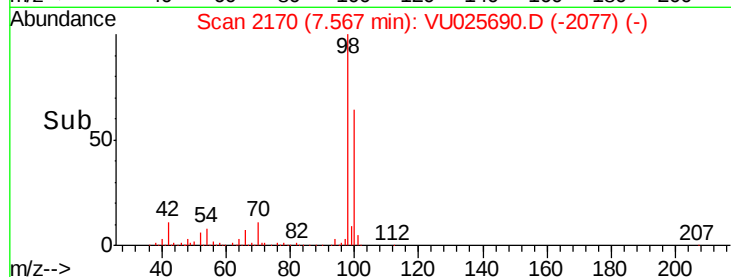
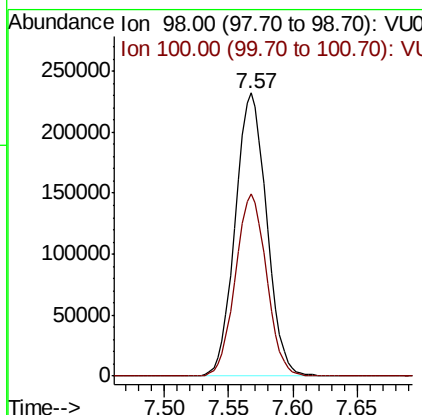
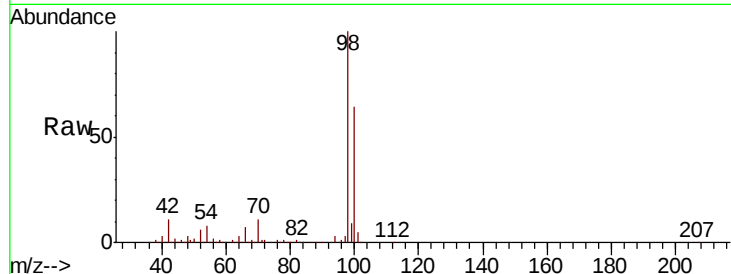
#50
Toluene-d8
Concen: 47.87 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Instrument :
MSVOA_U
ClientSampled :
FL-0510DL

Tot Ion: 98 Resp: 394027
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7

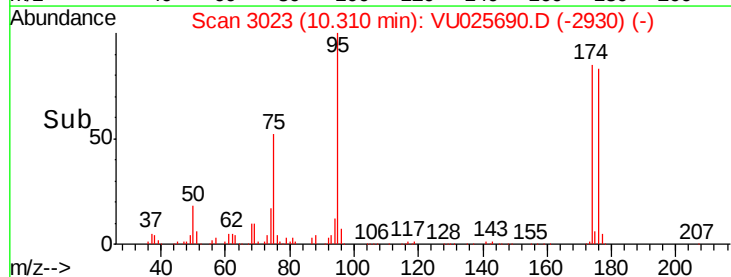
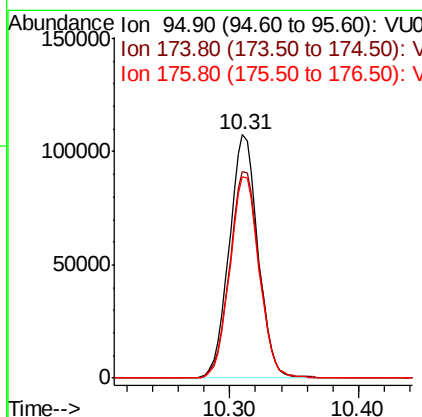
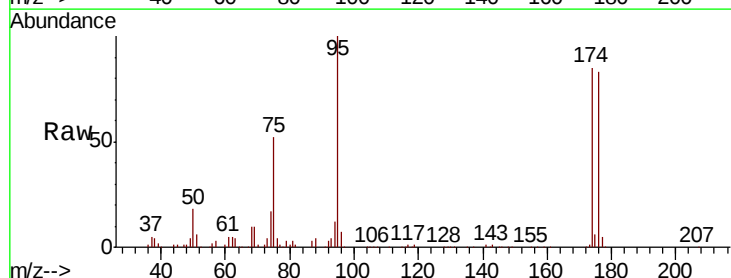
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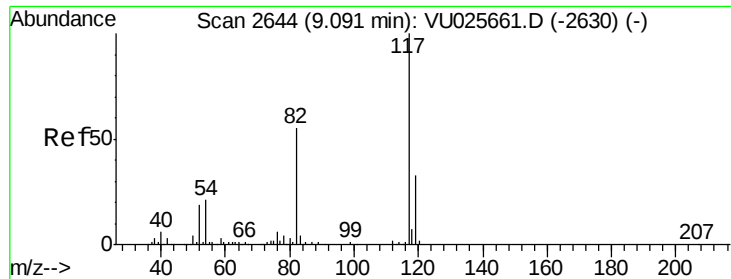
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#62
4-Bromofluorobenzene
Concen: 52.14 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Tgt Ion: 95 Resp: 166576
Ion Ratio Lower Upper
95 100
174 87.6 0.0 172.2
176 84.3 0.0 162.6





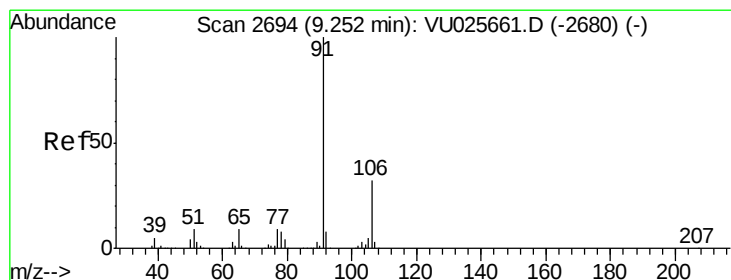
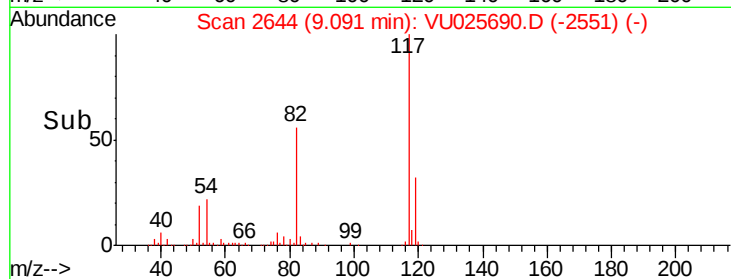
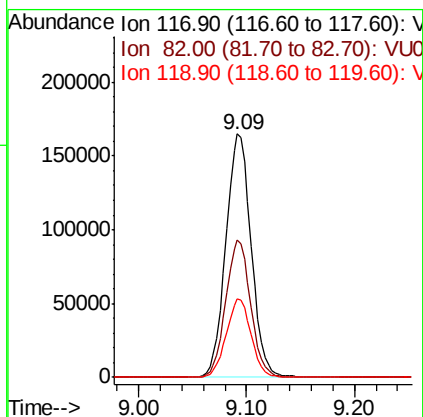
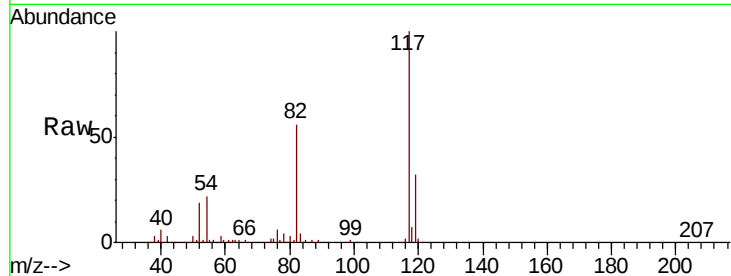
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
FL-0510DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.0	69.0
119	32.2	26.0	39.0

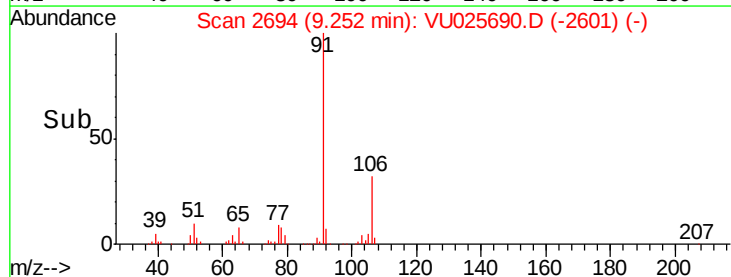
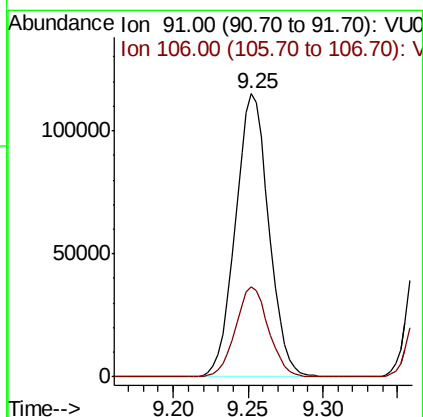
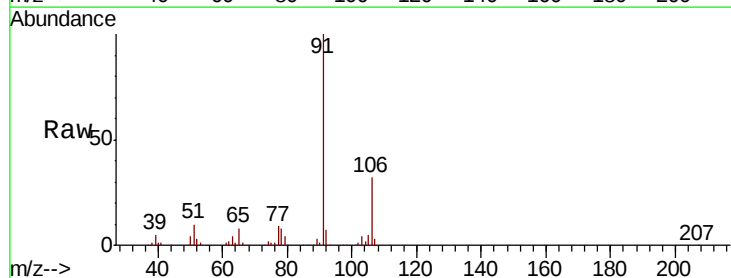
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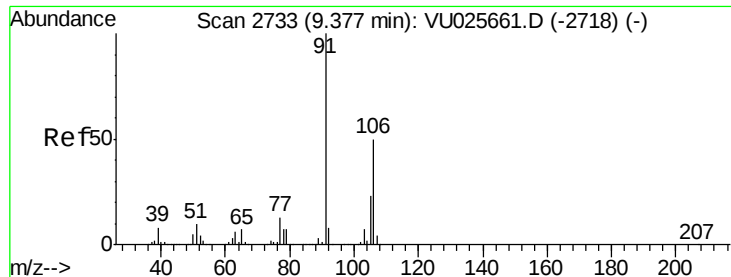
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#67
Ethyl Benzene
Concen: 15.46 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.3	37.9





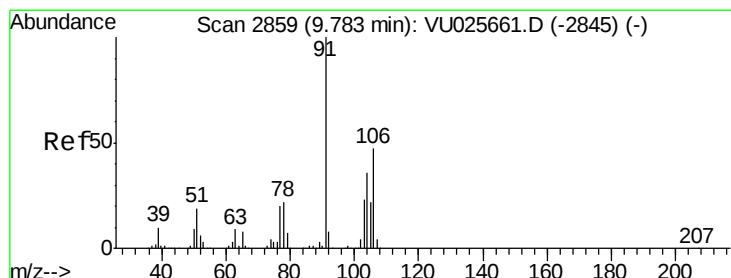
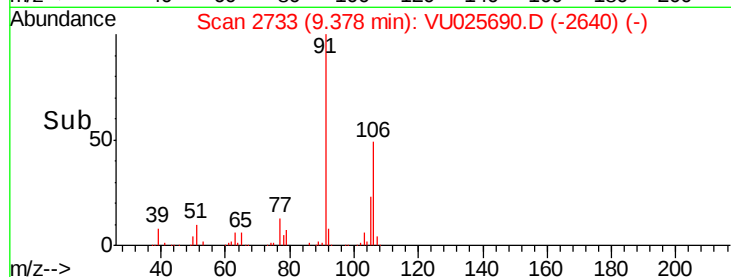
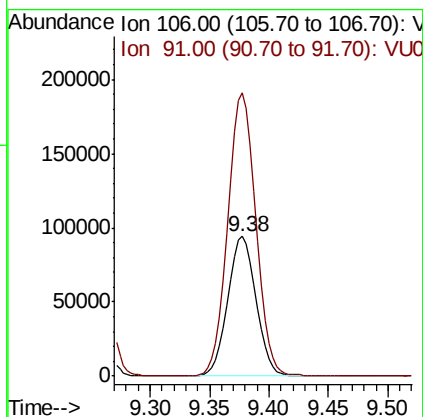
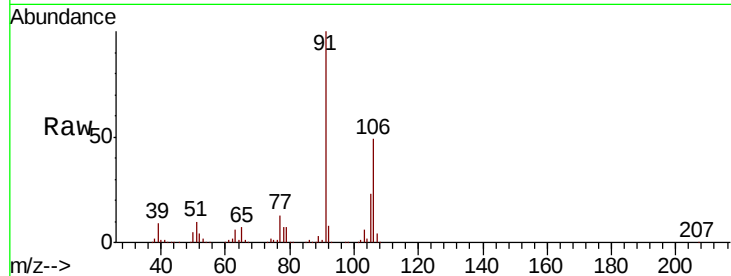
#68
m/p-Xylenes
Concen: 35.05 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Instrument :
MSVOA_U
ClientSampled :
FL-0510DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		155298		
91	201.5	162.3	243.5		

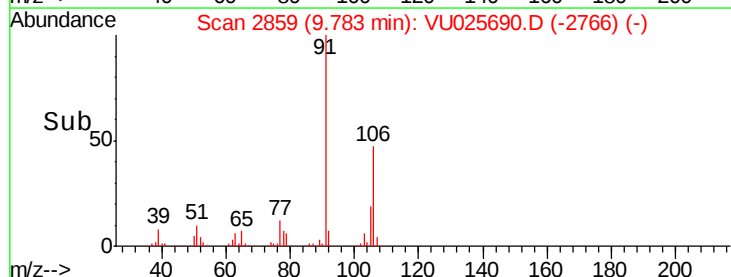
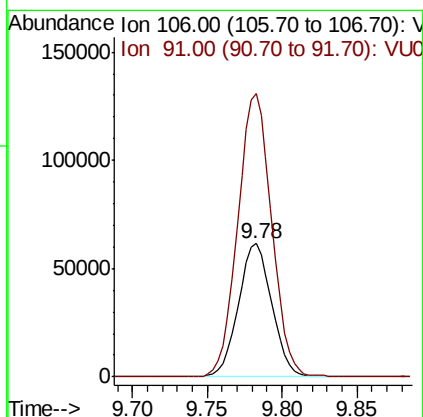
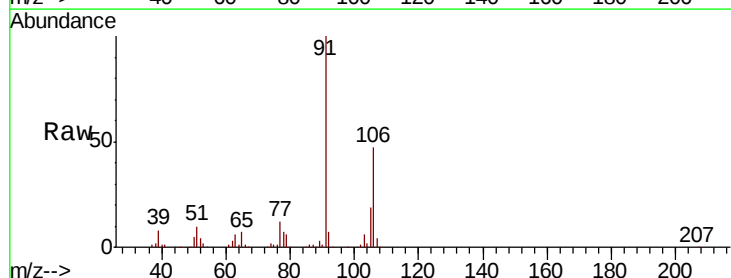
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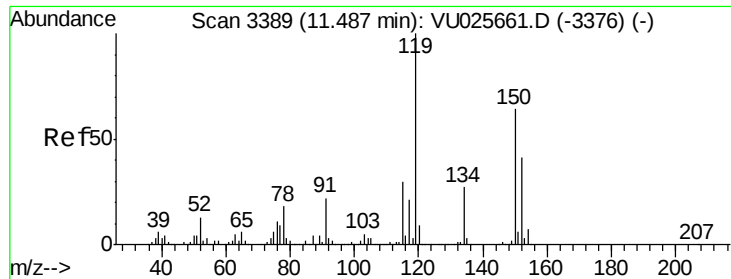
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#69
o-Xylene
Concen: 22.09 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		95628		
91	215.7	105.3	315.8		





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

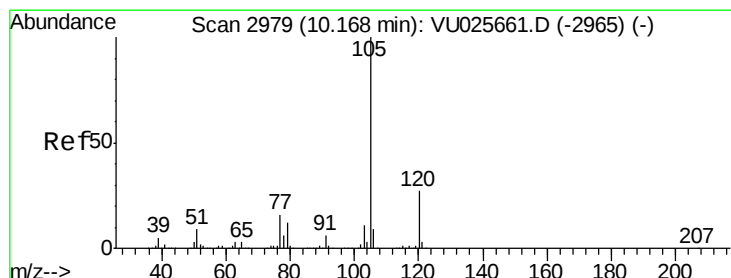
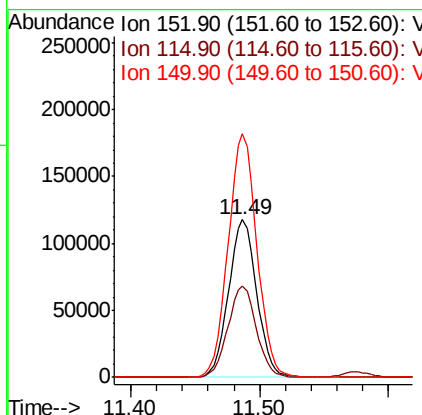
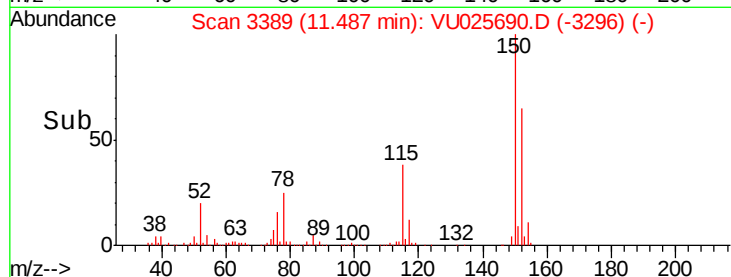
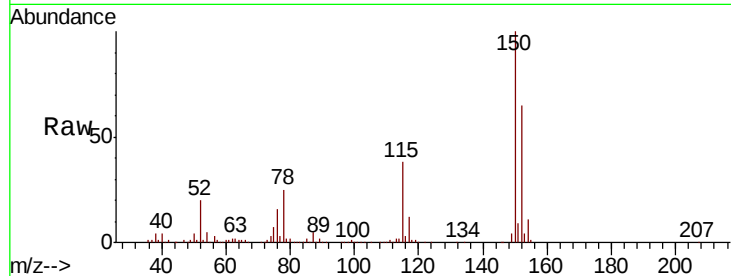
ClientSampleID :

FL-0510DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.2	40.1	120.3
150	157.2	0.0	351.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 2.22 ug/l

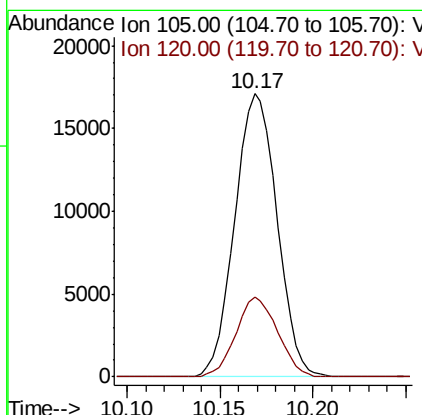
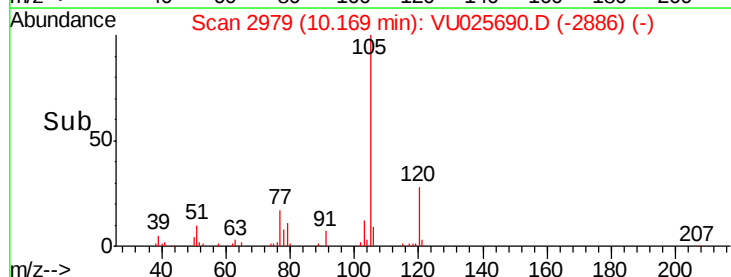
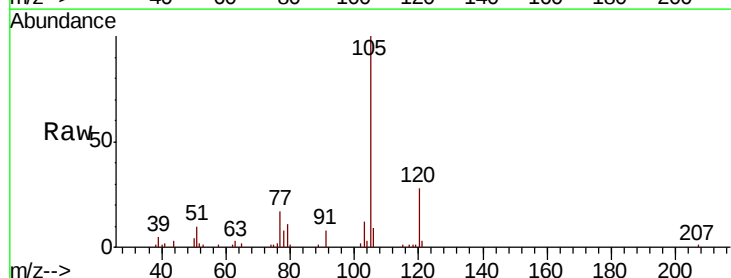
RT: 10.17 min Scan# 2979

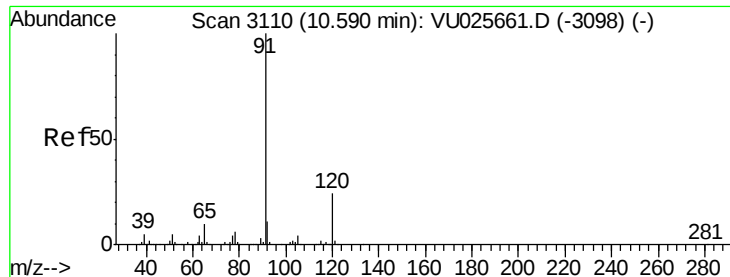
Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.5	40.5





#78

n-propylbenzene

Concen: 2.99 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampled :

FL-0510DL

Tot Ion: 91 Resp: 42494

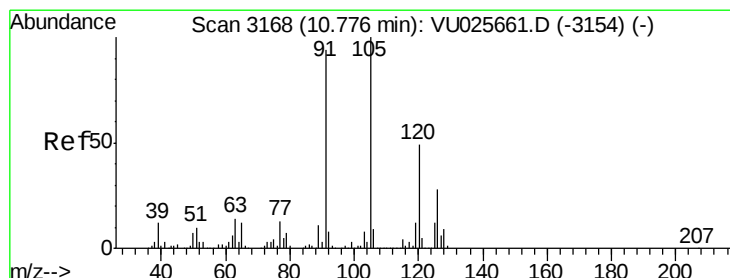
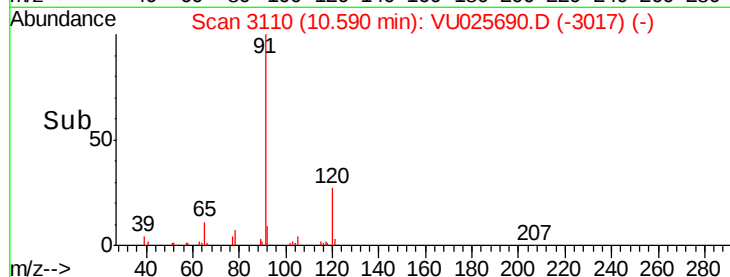
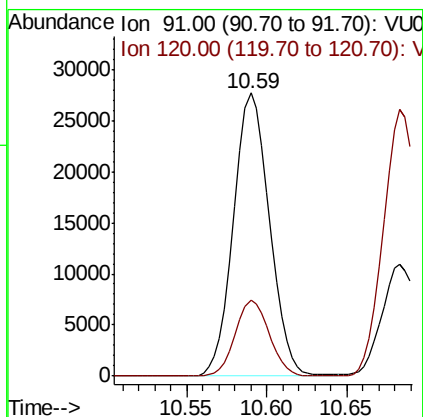
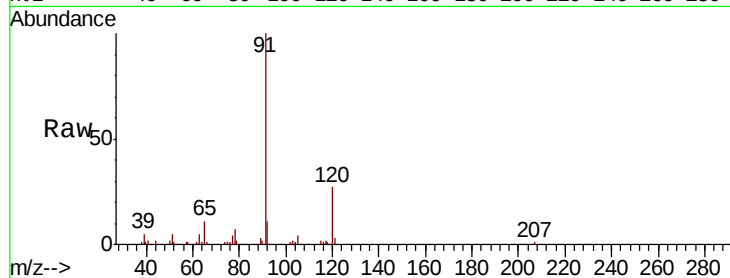
Ion Ratio Lower Upper

91 100

120 25.2 11.8 35.3

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#80

1,3,5-Trimethylbenzene

Concen: 7.04 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025690.D

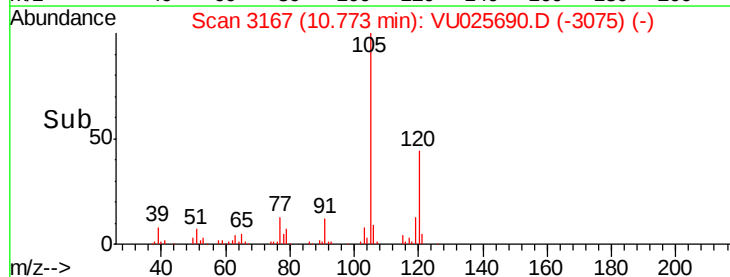
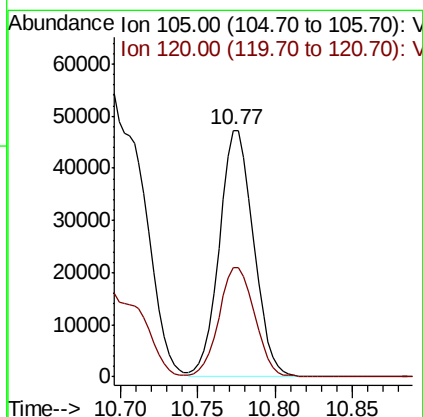
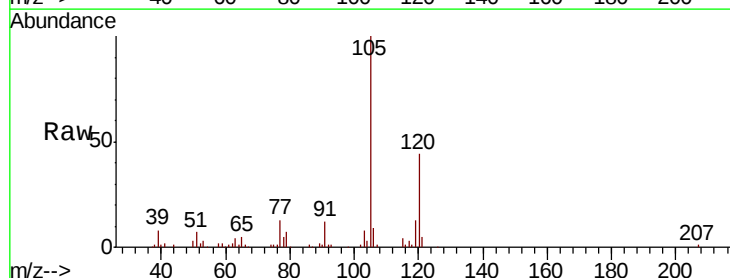
Acq: 28 Jul 2018 00:18

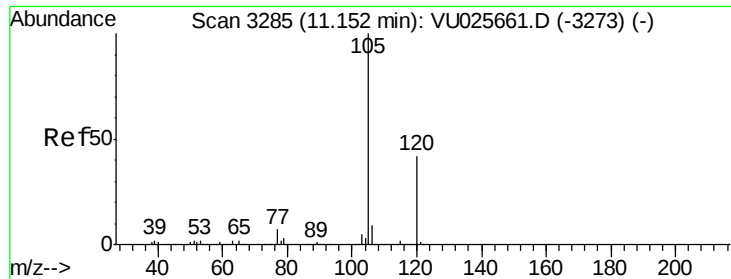
Tgt Ion: 105 Resp: 72779

Ion Ratio Lower Upper

105 100

120 46.2 24.1 72.2





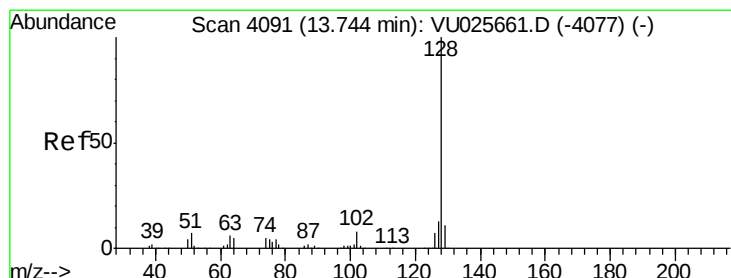
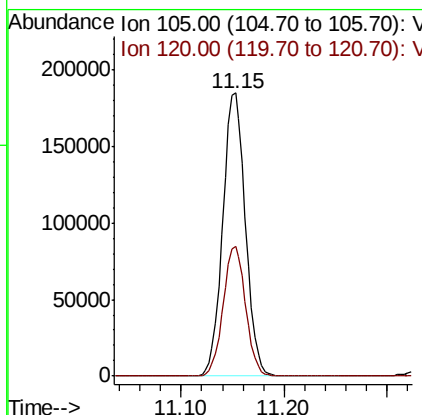
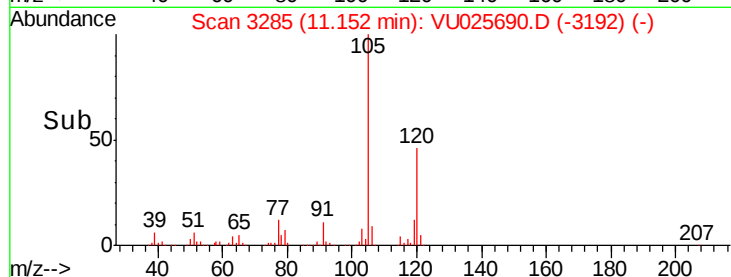
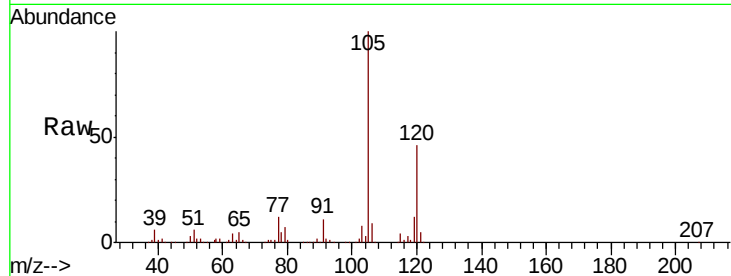
#84
 1,2,4-Trimethylbenzene
 Concen: 26.92 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025690.D
 Acq: 28 Jul 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0510DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.8

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:50:07 PM



#95
 Naphthalene
 Concen: 5.77 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU025690.D
 Acq: 28 Jul 2018 00:18

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.3	12.5

