

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025916.D
 Acq On : 07 Aug 2018 03:51
 Operator : MD/SY
 Sample : J4344-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0562

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:49 PM

Quant Time: Aug 07 05:18:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	327119	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	322817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	205271	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	158138	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
35) Dibromofluoromethane	4.89	113	133543	46.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.88%	
50) Toluene-d8	7.57	98	482334	48.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	10.31	95	189957	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.00	56	61614	14.37	ug/l	99
39) Methylcyclohexane	6.42	83	28099	6.41	ug/l	99
67) Ethyl Benzene	9.25	91	798524	57.92	ug/l	99
68) m/p-Xylenes	9.38	106	778283	147.04	ug/l	99
73) Isopropylbenzene	10.17	105	127659	9.11	ug/l	100
78) n-propylbenzene	10.59	91	162399	9.93	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	253805	21.33	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	752190	62.38	ug/l	98
95) Naphthalene	13.75	128	383431	25.78	ug/l	99

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

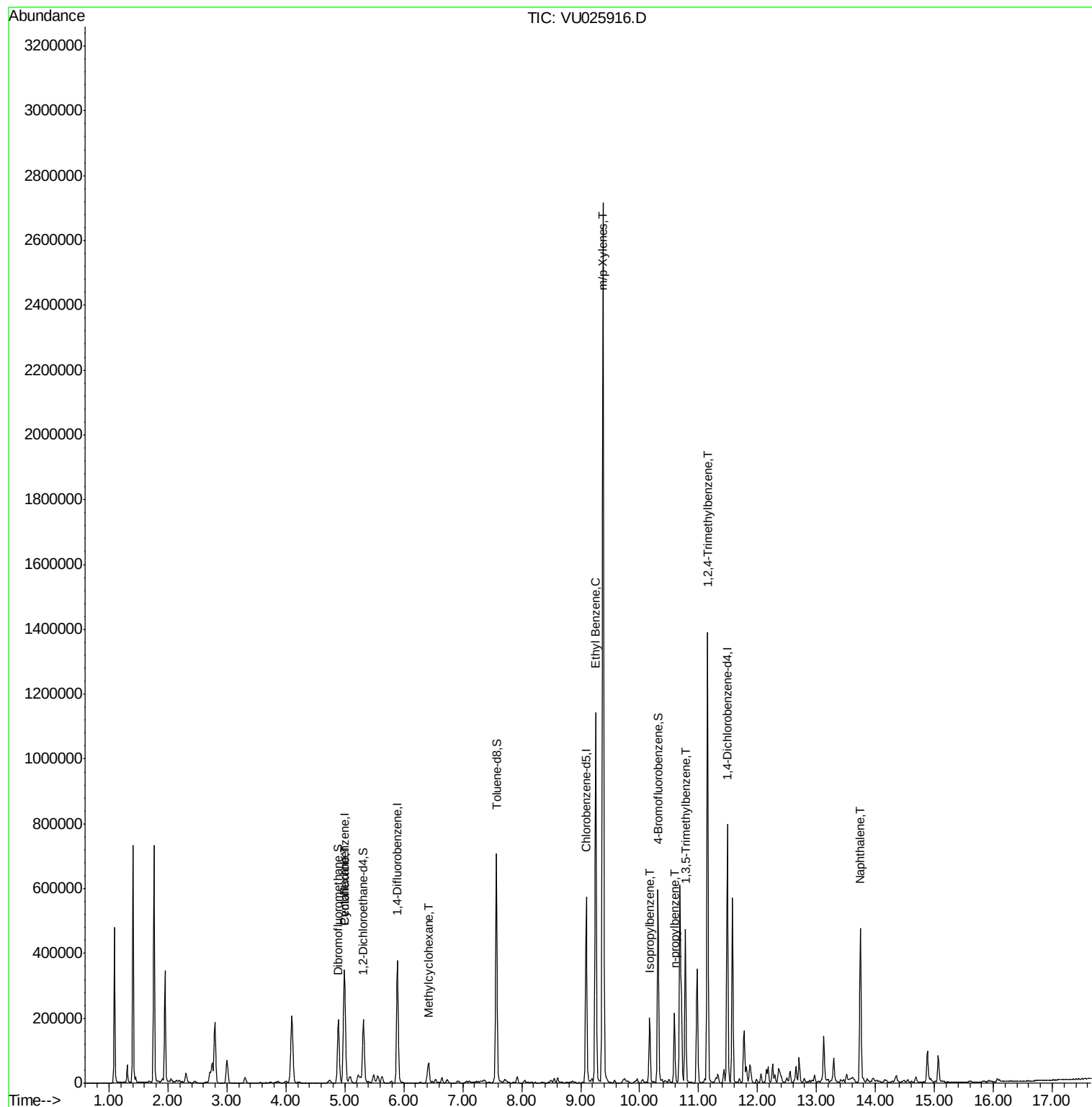
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080618\
Data File : VU025916.D
Acq On : 07 Aug 2018 03:51
Operator : MD/SY
Sample : J4344-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

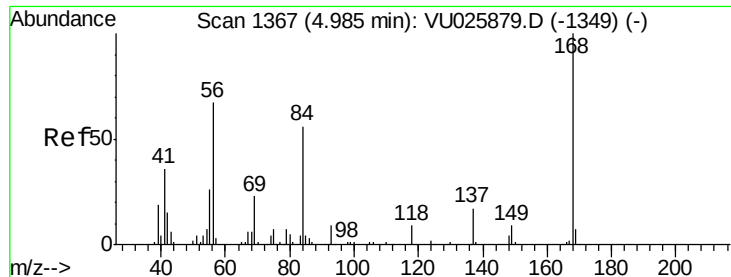
Instrument :
MSVOA_U
ClientSampleId :
FL-0562

Manual Integrations
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8/7/2018 1:51:49 PM

Quant Time: Aug 07 05:18:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 00:49:55 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: VU025916.D

Acq: 07 Aug 2018 03:51

Instrument :

MSVOA_U

ClientSampled :

FL-0562

Tot Ion:168 Resp: 202437

Ion Ratio Lower Upper

168 100

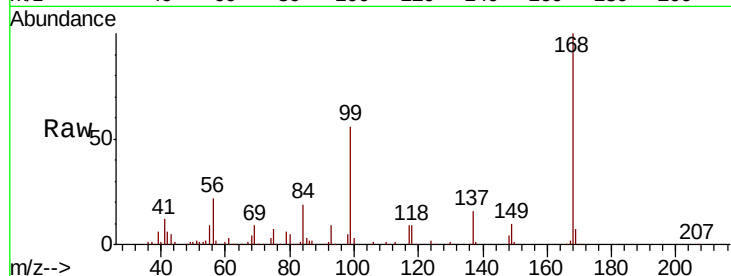
99 55.7 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025916.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025916.D (-1275) (-)

4.99

100000

80000

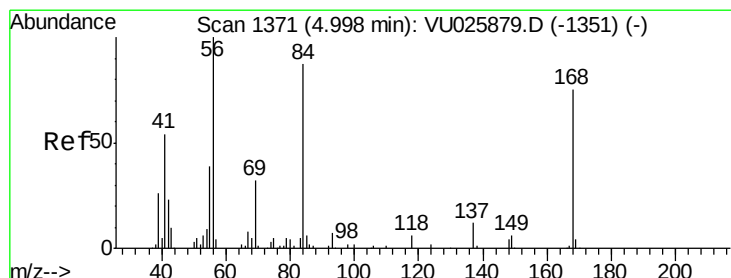
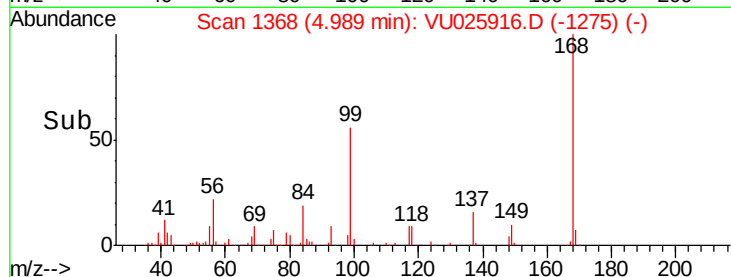
60000

40000

20000

0

Time-->



#31

Cyclohexane

Concen: 14.37 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025916.D

Acq: 07 Aug 2018 03:51

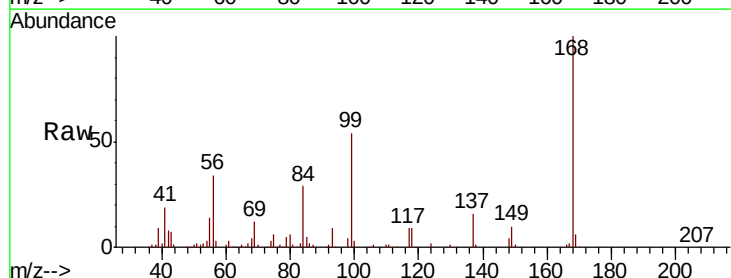
Tgt Ion: 56 Resp: 61614

Ion Ratio Lower Upper

56 100

69 35.9 26.8 40.2

84 86.8 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU025916.D (-1279) (-)

Ion 69.00 (68.70 to 69.70): VU025916.D (-1279) (-)

Ion 84.00 (83.70 to 84.70): VU025916.D (-1279) (-)

5.00

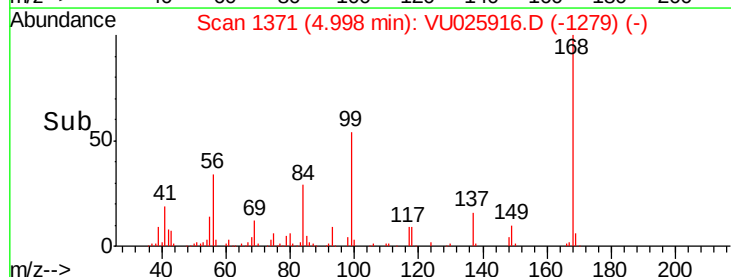
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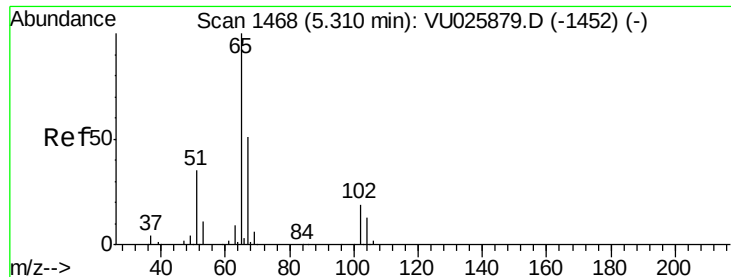
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Time-->





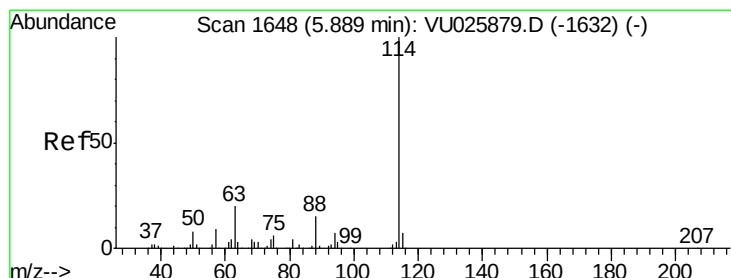
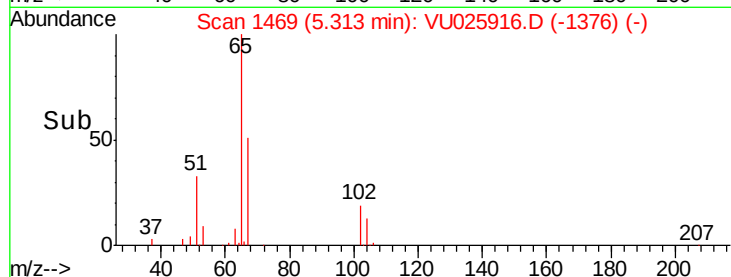
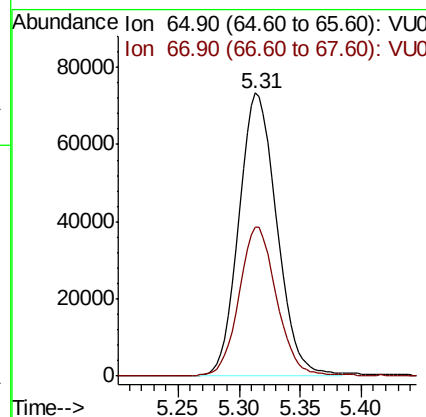
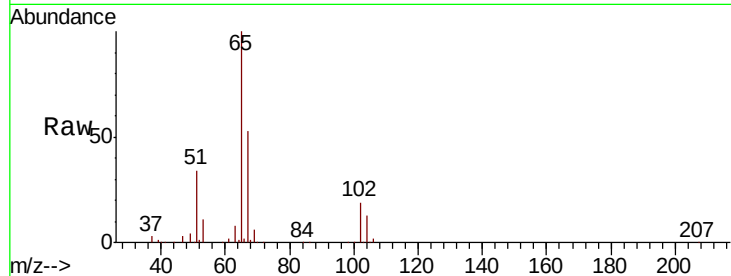
#33
 1,2-Dichloroethane-d4
 Concen: 50.14 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025916.D
 Acq: 07 Aug 2018 03:51

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0562

Tot Ion	Ratio	Resp	Lower	Upper
65	100	158138		
67	52.1	0.0	103.6	

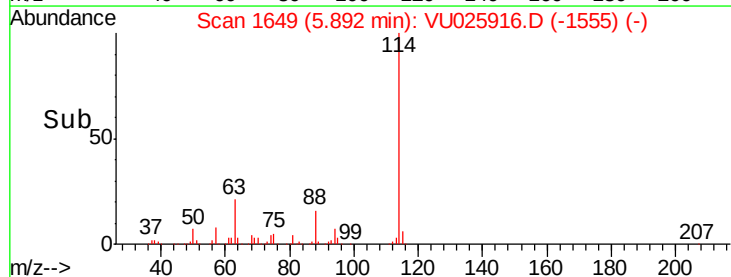
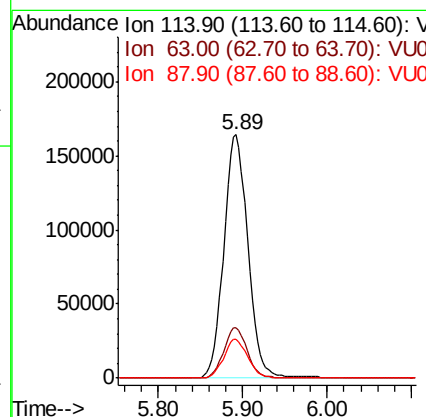
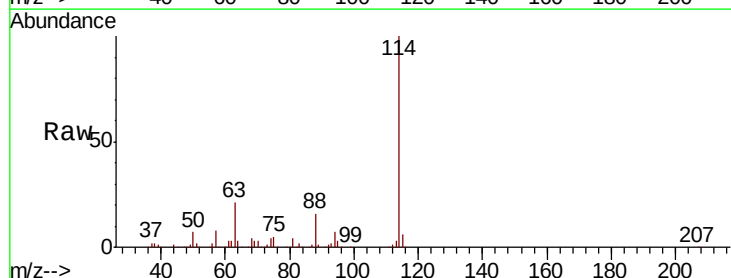
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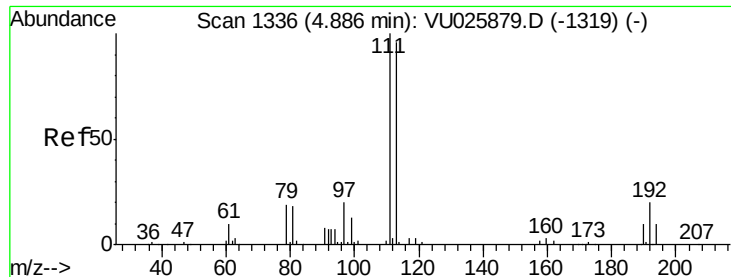
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025916.D
 Acq: 07 Aug 2018 03:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	327119		
63	20.6	0.0	41.6	
88	15.9	0.0	32.4	





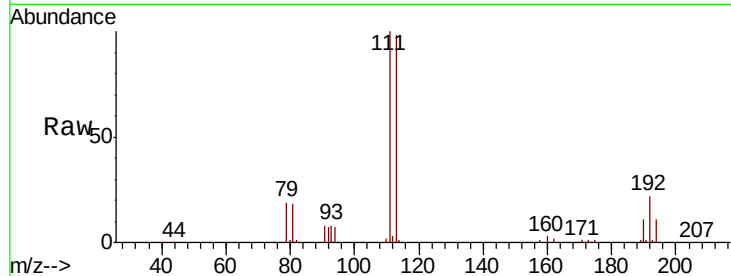
#35
Dibromofluoromethane
Concen: 46.94 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Instrument :
MSVOA_U
ClientSampleId :
FL-0562

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133543		
111	102.1	81.7	122.5	
192	21.7	17.1	25.7	

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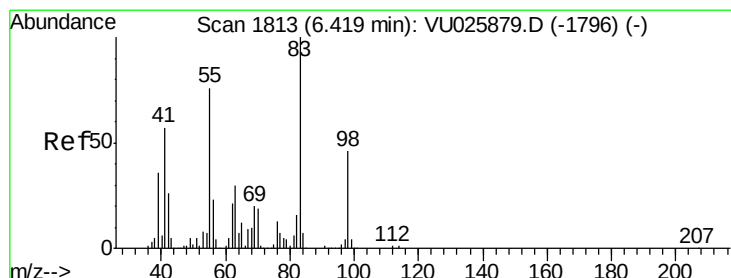
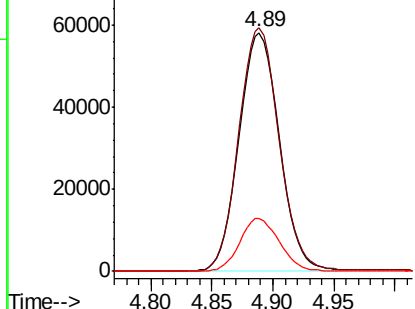
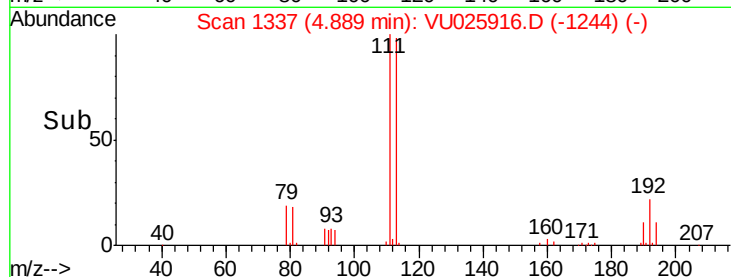


Abundance

Ion 112.80 (112.50 to 113.50): V

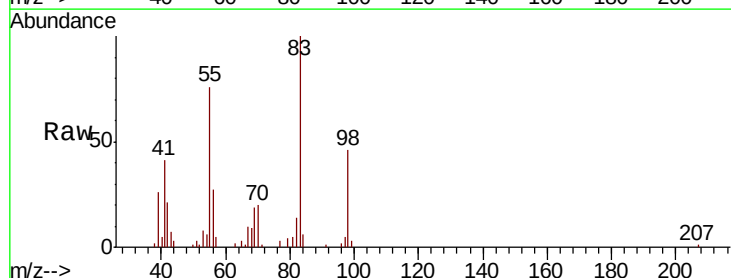
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39
Methylcyclohexane
Concen: 6.41 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	28099		
55	75.1	60.0	90.0	
98	46.3	36.1	54.1	

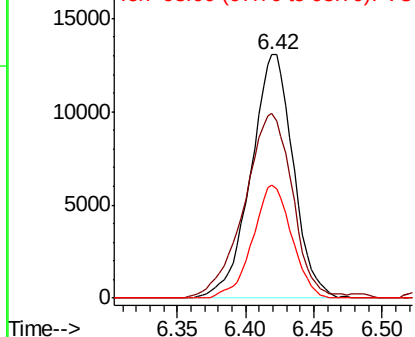
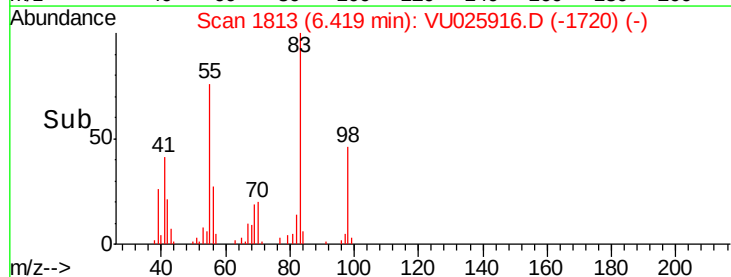


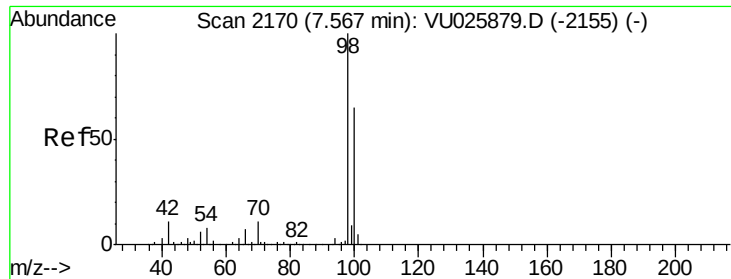
Abundance

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





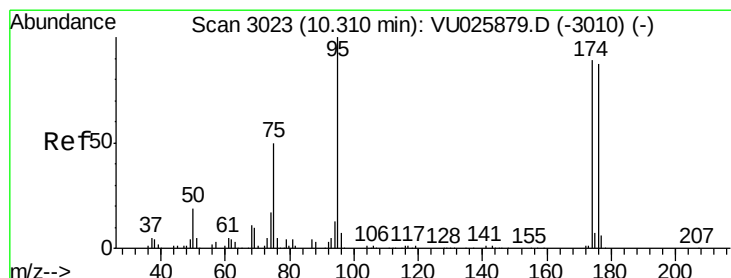
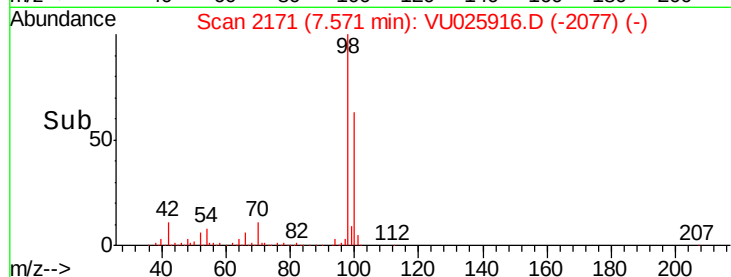
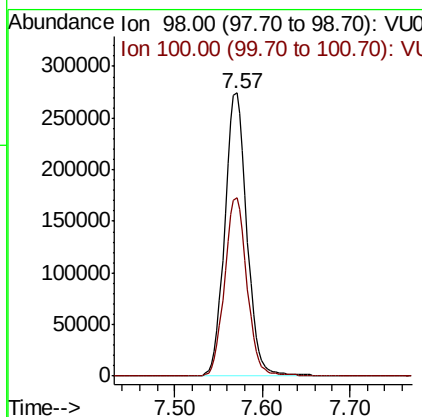
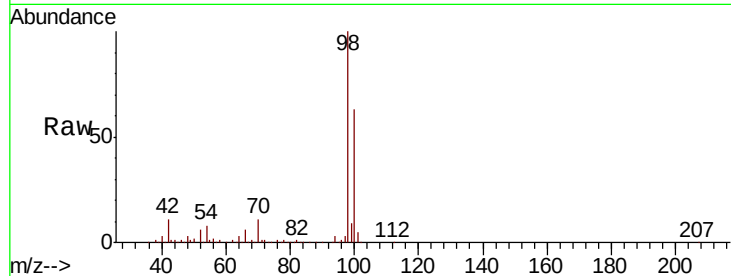
#50
Toluene-d8
Concen: 48.45 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Instrument :
MSVOA_U
ClientSampleId :
FL-0562

Tot Ion: 98 Resp: 482334
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

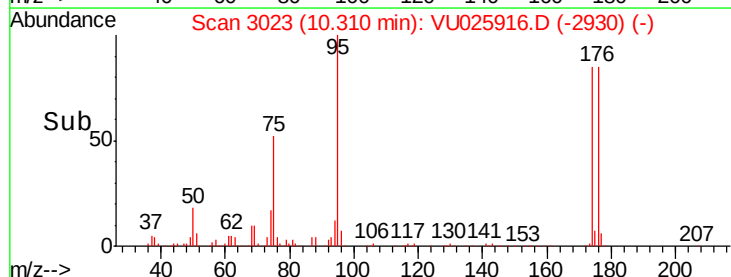
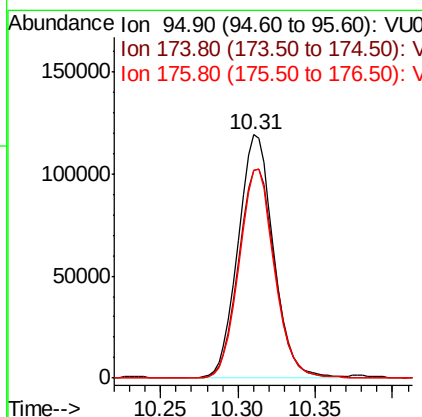
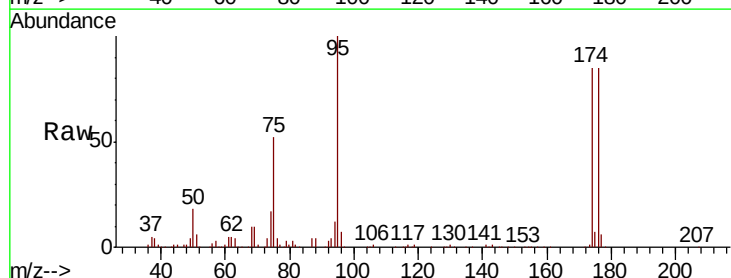
Manual Integrations
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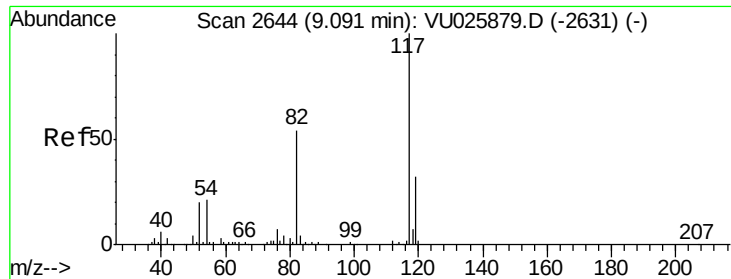
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#62
4-Bromofluorobenzene
Concen: 49.16 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Tgt Ion: 95 Resp: 189957
Ion Ratio Lower Upper
95 100
174 88.4 0.0 172.2
176 85.5 0.0 162.6





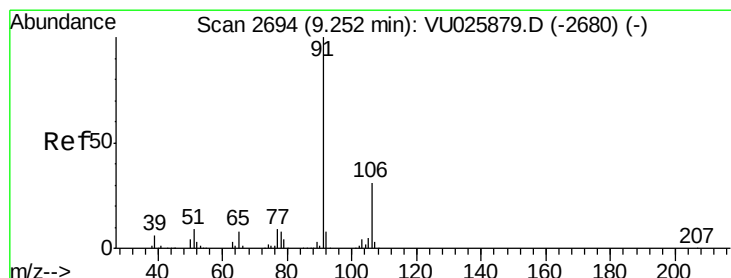
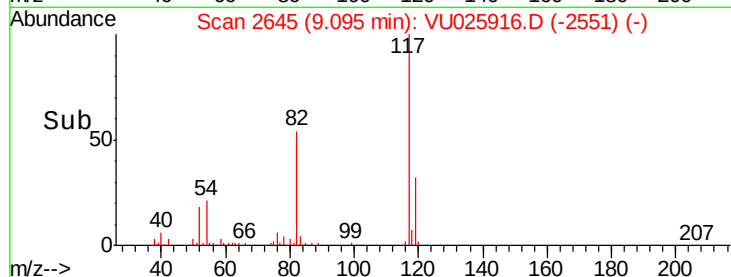
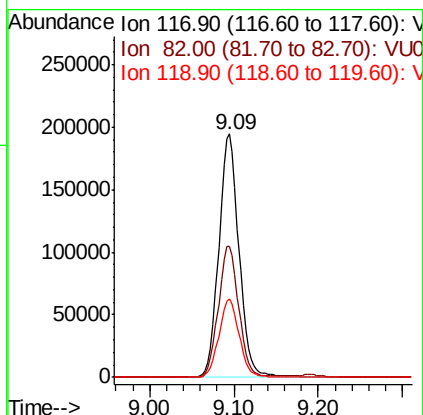
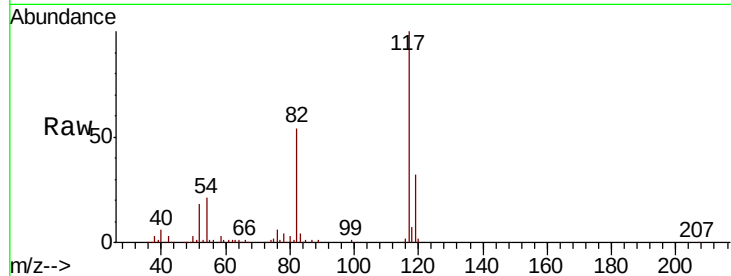
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Instrument :
MSVOA_U
ClientSampled :
FL-0562

Tot Ion	Ratio	Resp	Lower	Upper
117	100	322817		
82	54.0	46.0	69.0	
119	32.1	26.0	39.0	

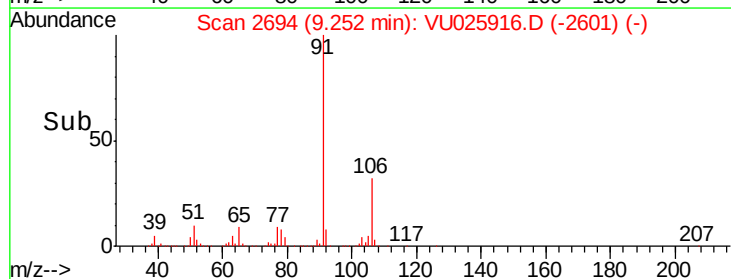
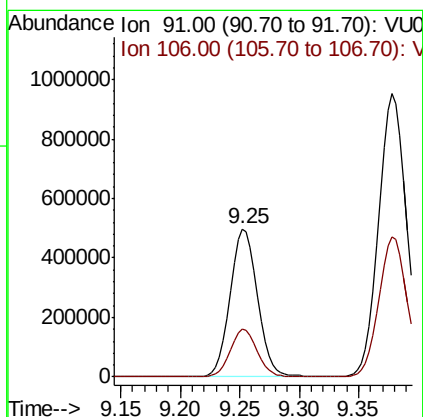
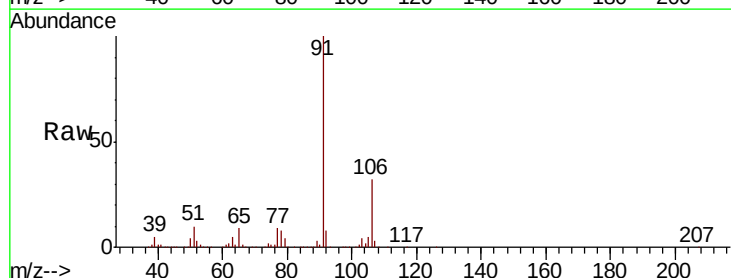
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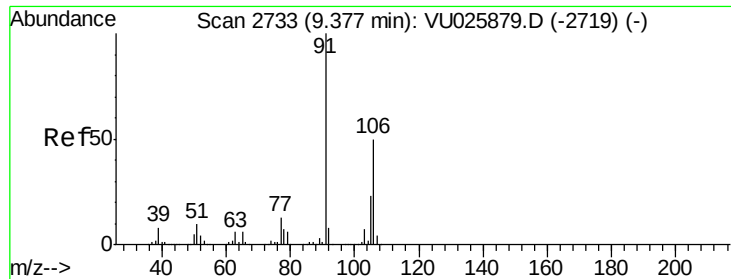
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#67
Ethyl Benzene
Concen: 57.92 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	798524		
106	32.0	25.3	37.9	





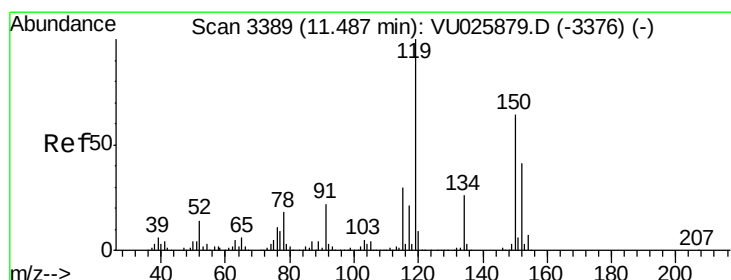
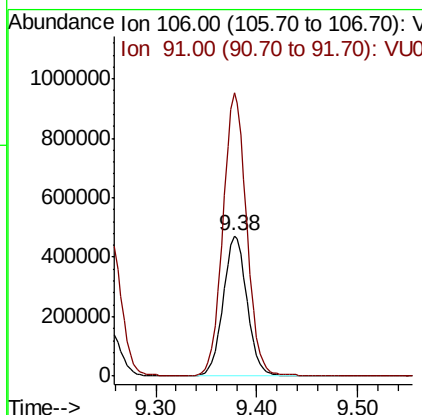
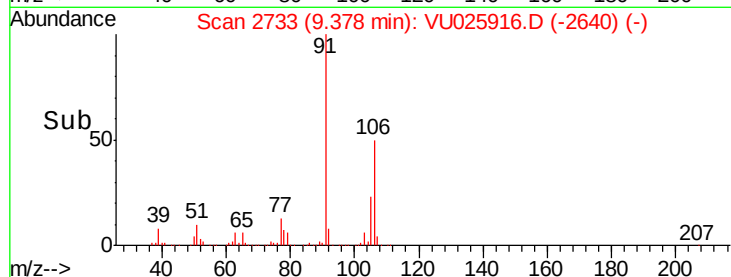
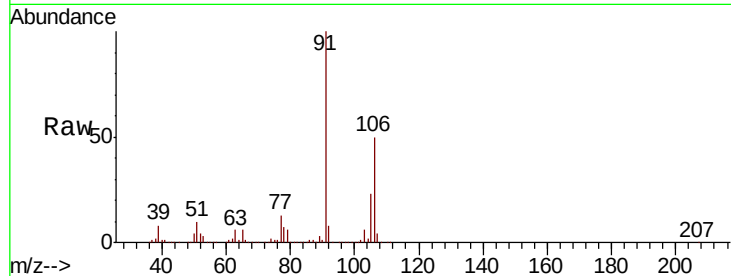
#68
m/p-Xylenes
Concen: 147.04 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Instrument :
MSVOA_U
ClientSampled :
FL-0562

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.2	162.3	243.5

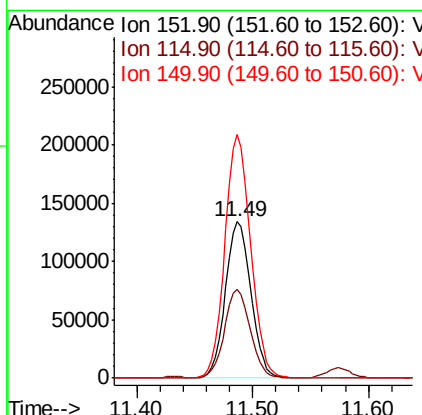
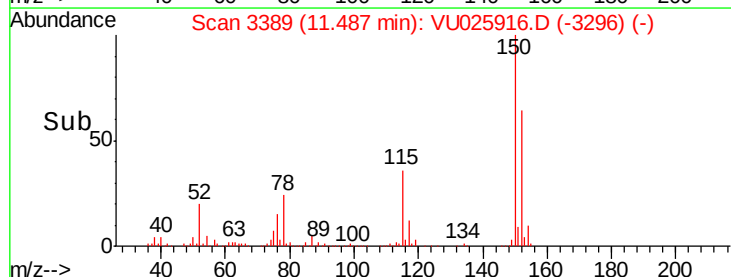
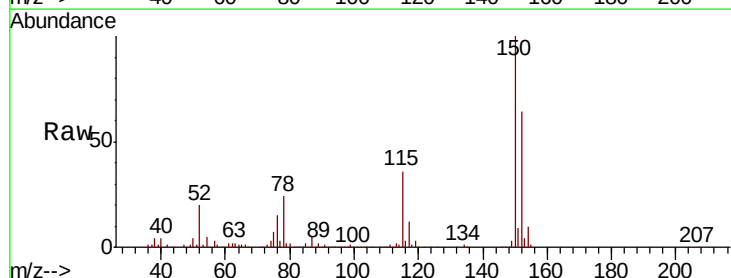
Manual Integrations
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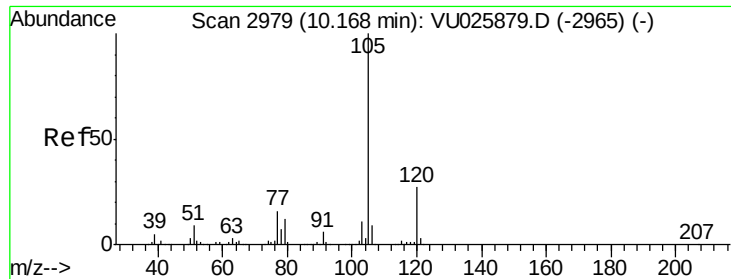
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	40.1	120.3
150	156.5	0.0	351.4





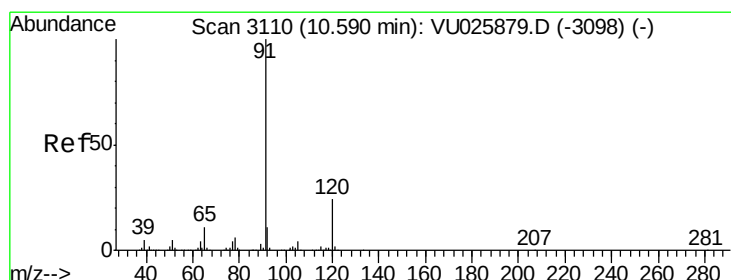
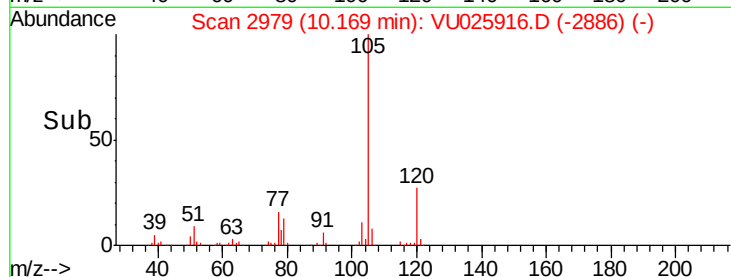
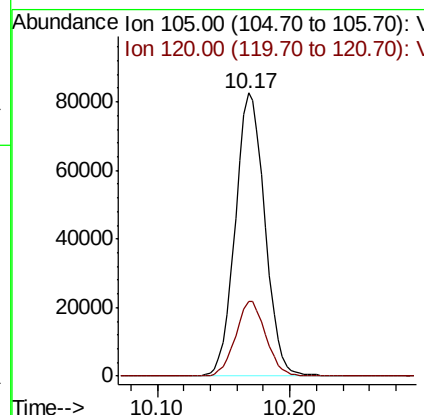
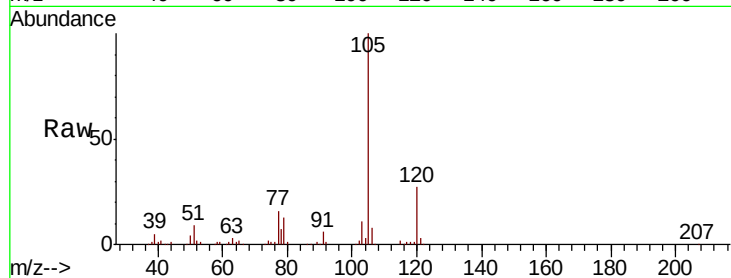
#73
Isopropylbenzene
Concen: 9.11 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Instrument :
MSVOA_U
ClientSampleId :
FL-0562

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.5

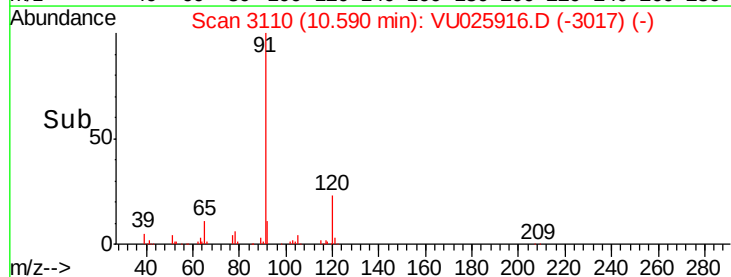
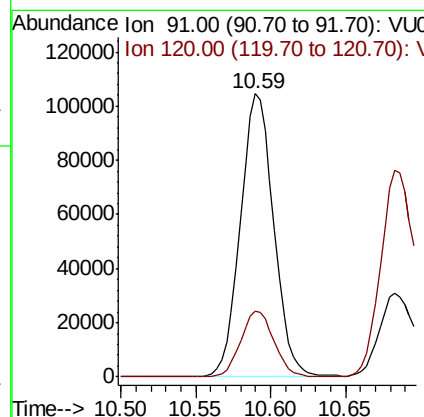
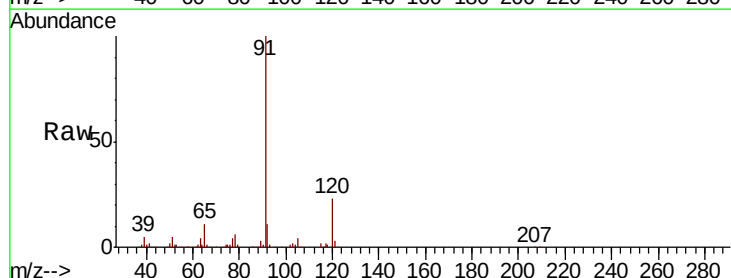
Manual Integrations
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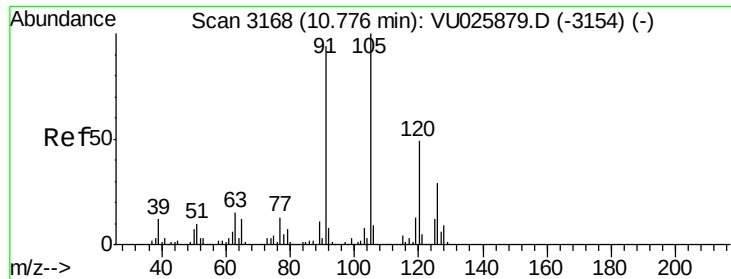
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#78
n-propylbenzene
Concen: 9.93 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.8	35.3





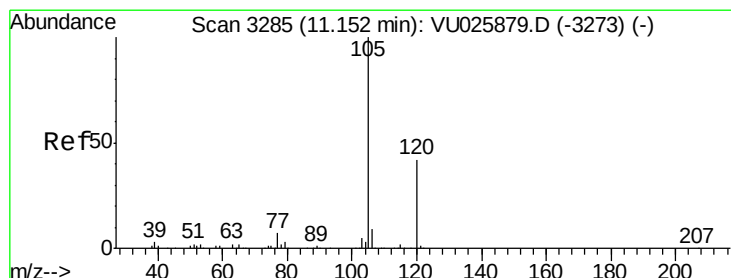
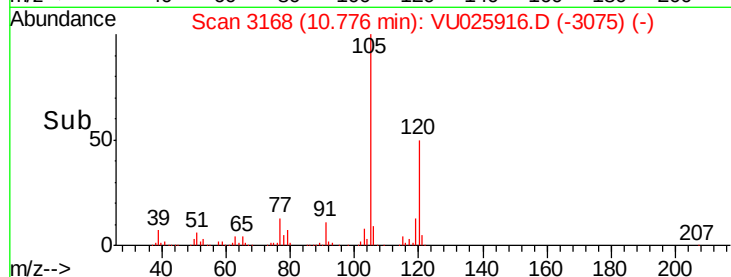
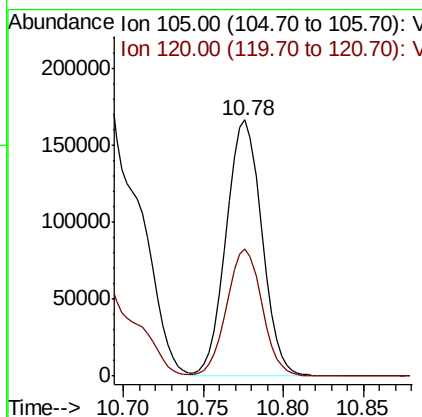
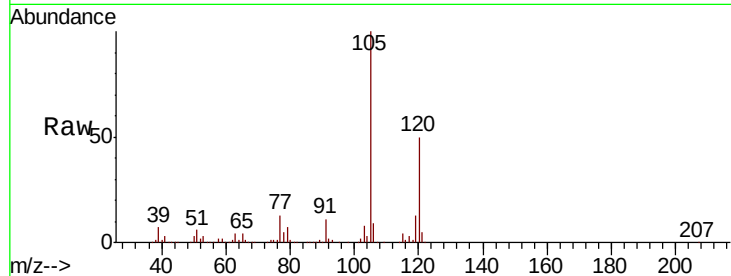
#80
 1,3,5-Trimethylbenzene
 Concen: 21.33 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025916.D
 Acq: 07 Aug 2018 03:51

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0562

Tot Ion:105 Resp: 253805
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.1 72.2

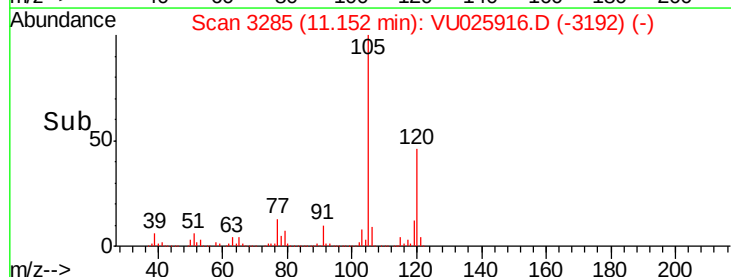
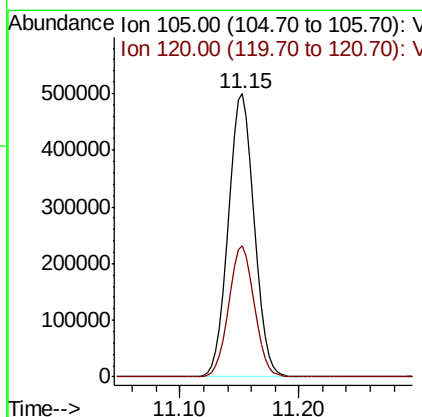
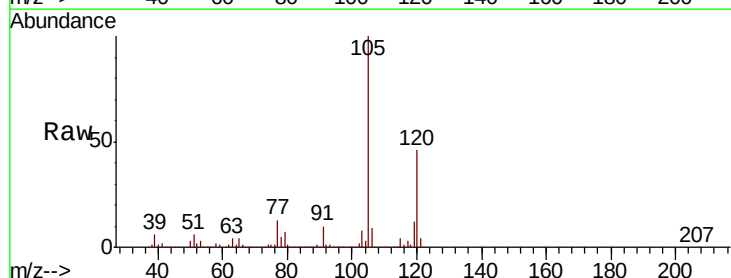
Manual Integrations
 APPROVED

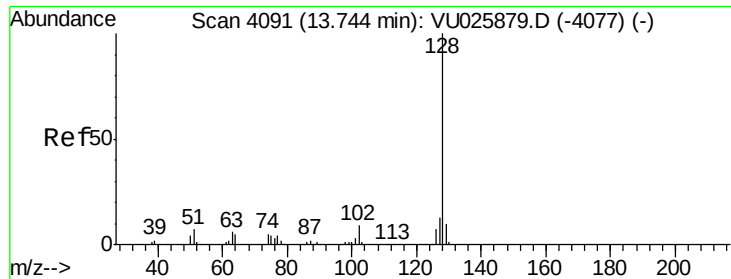
MMDadoda
 8/7/2018 1:51:49 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 62.38 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025916.D
 Acq: 07 Aug 2018 03:51

Tgt Ion:105 Resp: 752190
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.8





#95
Naphthalene
Concen: 25.78 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025916.D
Acq: 07 Aug 2018 03:51

Instrument :
MSVOA_U
ClientSampleId :
FL-0562

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:51:49 PM

