

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071819\
 Data File : VU033309.D
 Acq On : 18 Jul 2019 11:20
 Operator : JC/SP
 Sample : K3828-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 GAMR0MSD

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 10:56:35 AM

Quant Time: Jul 19 02:21:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 19 01:43:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	340412	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	337624	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	170346	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50141	19.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	38.92%#
7) Chloroethane-d5	1.67	69	56524	25.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	51.36%#
11) 1,1-Dichloroethene-d2	2.26	63	131163	28.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.12%#
21) 2-Butanone-d5	4.15	46	173556	106.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.29%
24) Chloroform-d	4.62	84	153737	35.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.20%
26) 1,2-Dichloroethane-d4	5.29	65	101119	36.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.02%
32) Benzene-d6	5.32	84	244481	29.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	59.04%#
36) 1,2-Dichloropropane-d6	6.31	67	97368	36.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.40%
41) Toluene-d8	7.55	98	212355	27.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	54.38%#
43) trans-1,3-Dichloropropene-	7.83	79	51219	39.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.74%
47) 2-Hexanone-d5	8.29	63	132377	110.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.68%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	192905	48.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.08%
64) 1,2-Dichlorobenzene-d4	11.85	152	142802	47.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.02%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.27	96	108119	47.585	ug/L #	77
13) Acetone	2.31	43	23549	11.543	ug/L	99
16) Methylene chloride	2.68	84	3230	1.245	ug/L #	72
22) 2-Butanone	4.25	43	5219m	2.303	ug/L	
29) Cyclohexane	4.97	56	51950	14.121	ug/L	96
33) Benzene	5.37	78	467670	47.498	ug/L	100
34) Trichloroethene	6.16	95	121633	47.236	ug/L	97
35) Methylcyclohexane	6.40	83	82427	20.897	ug/L	92
42) Toluene	7.62	91	516434	48.651	ug/L	100
51) Chlorobenzene	9.10	112	334712	48.309	ug/L	99
52) Ethylbenzene	9.23	91	164900	14.517	ug/L	100
53) m,p-Xylene	9.36	106	100669	23.398	ug/L	99
56) Isopropylbenzene	10.15	105	57826	5.260	ug/L	98

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

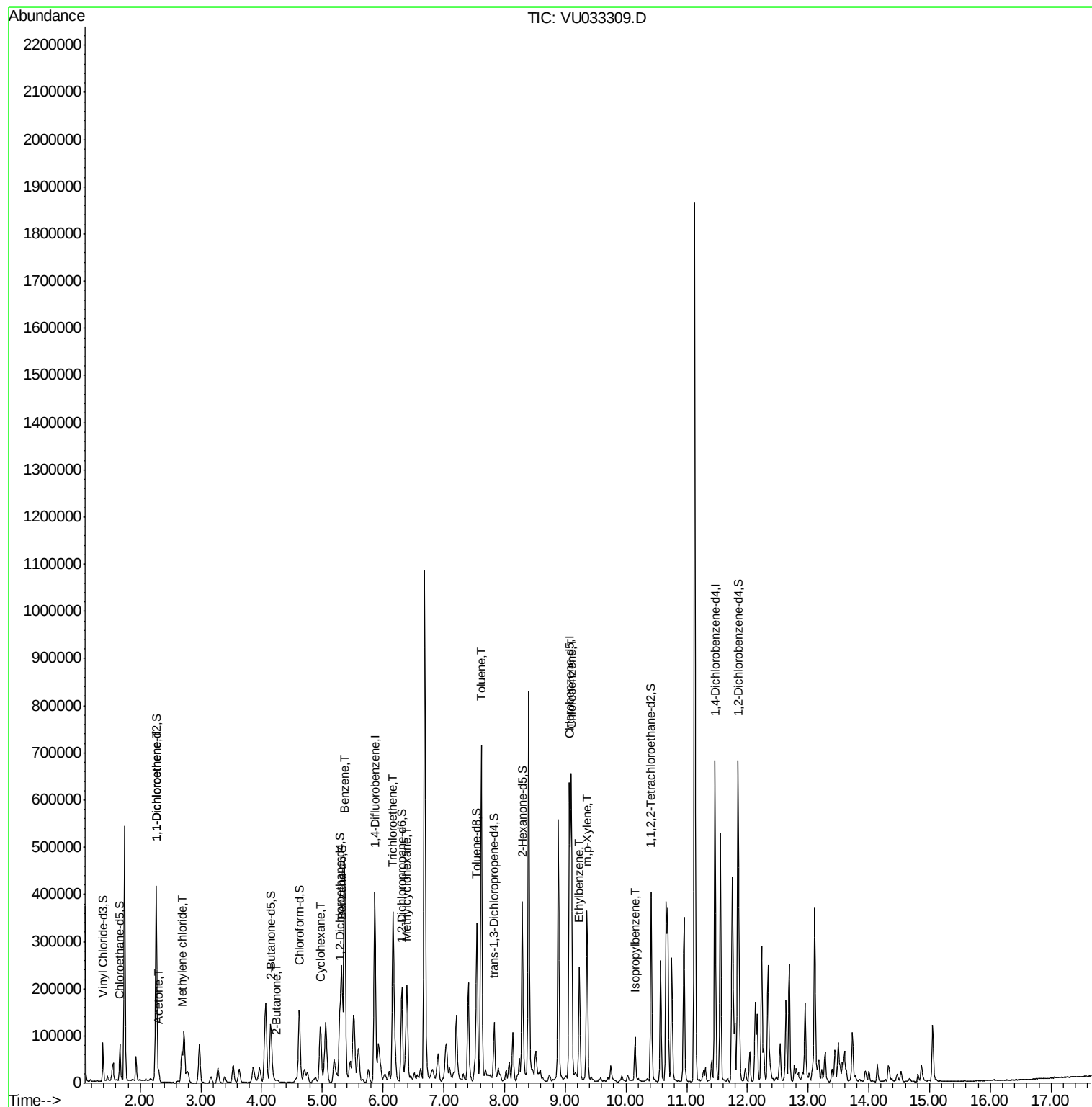
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071819\
Data File : VU033309.D
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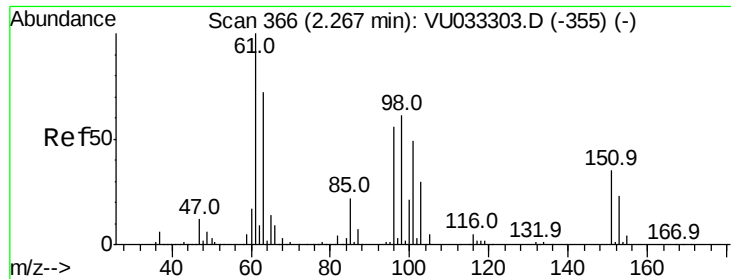
Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

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Quant Time: Jul 19 02:21:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
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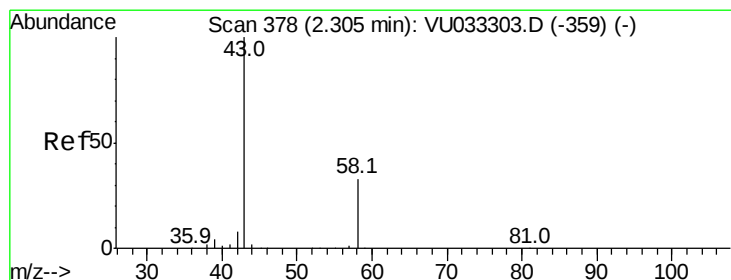
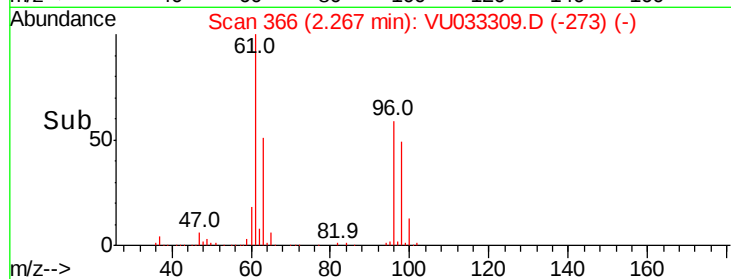
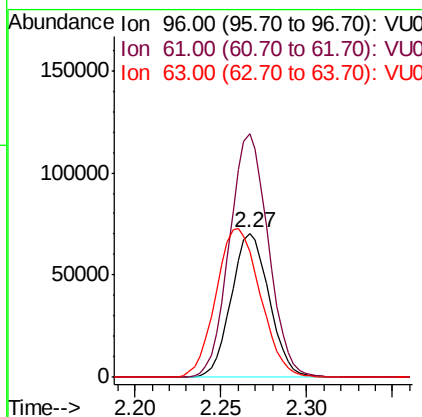
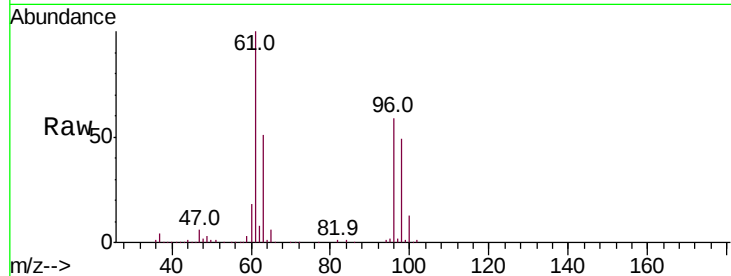
#12
 1,1-Dichloroethene
 Concen: 47.585 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VU033309.D
 Acq: 18 Jul 2019 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 GAMR0MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.7	126.1	234.1
63	86.8	96.8	179.8

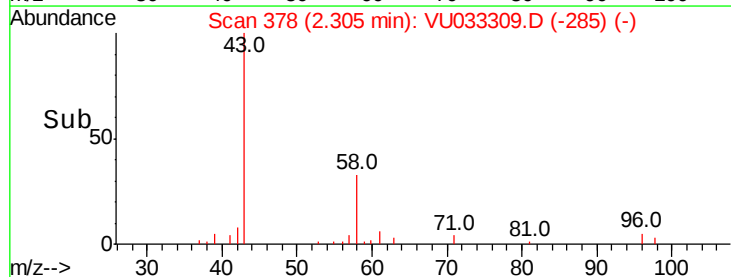
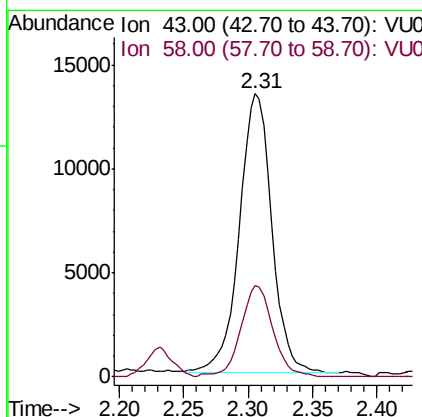
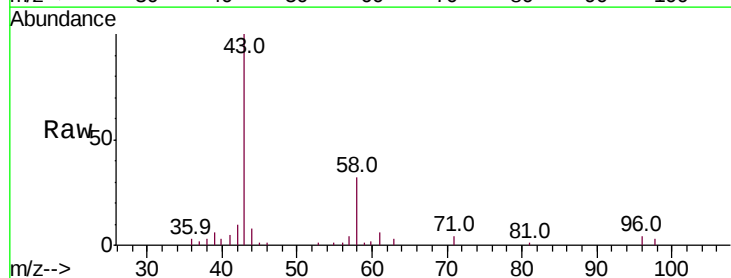
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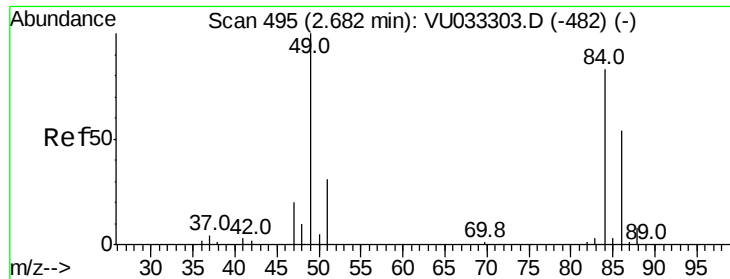
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#13
 Acetone
 Concen: 11.543 ug/L
 RT: 2.31 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: VU033309.D
 Acq: 18 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.2	0.0	65.4





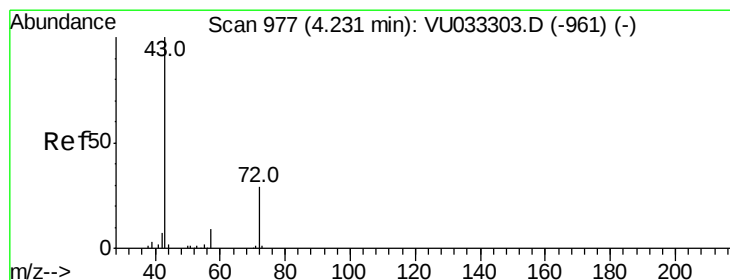
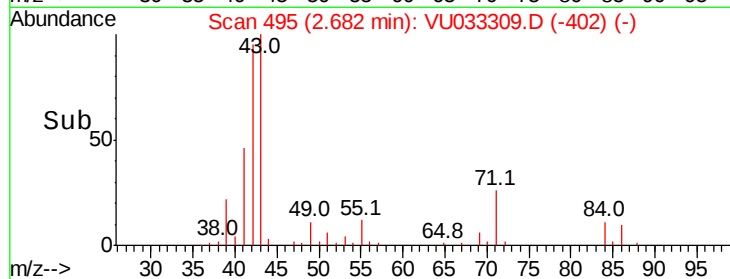
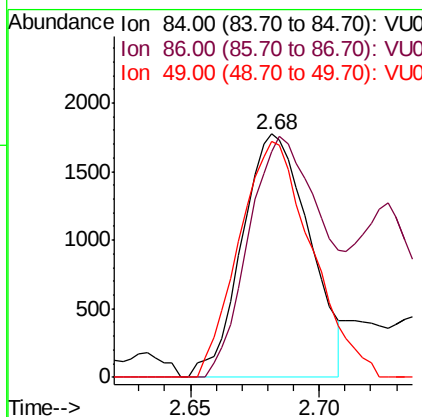
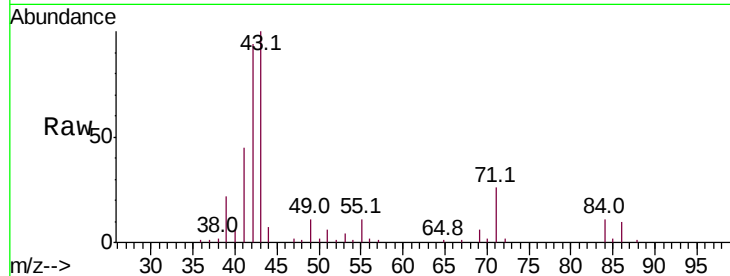
#16
Methvlene chloride
Concen: 1.245 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033309.D
Acq: 18 Jul 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tot Ion: 84 Resp: 3230
Ion Ratio Lower Upper
84 100
86 92.6 45.7 84.9#
49 96.7 87.7 162.9

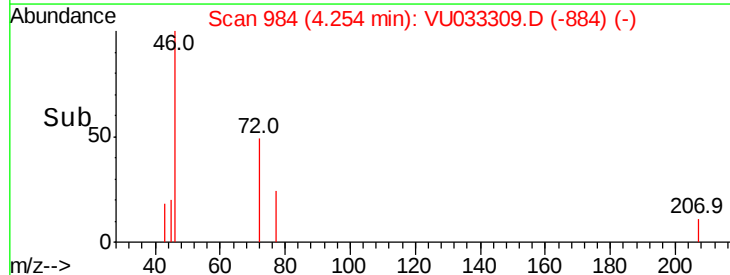
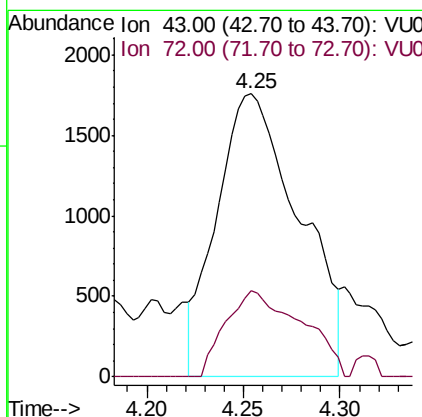
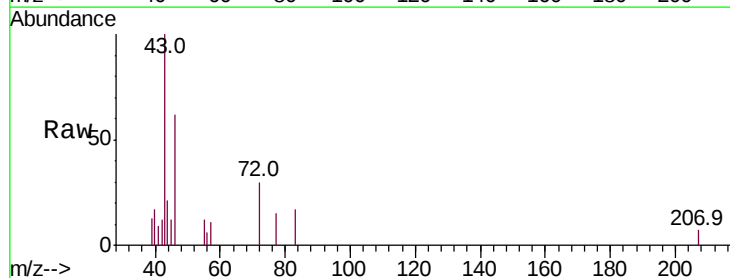
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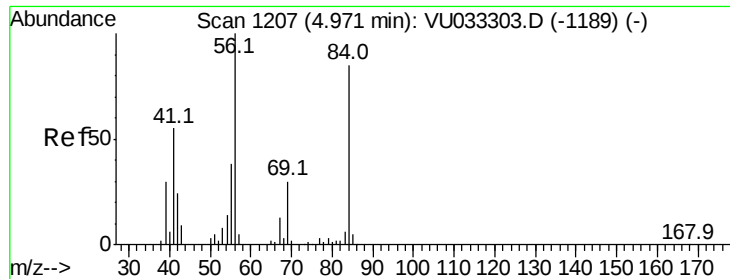
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#22
2-Butanone
Concen: 2.303 ug/L m
RT: 4.25 min Scan# 984
Delta R.T. 0.02 min
Lab File: VU033309.D
Acq: 18 Jul 2019 11:20

Tgt Ion: 43 Resp: 5219
Ion Ratio Lower Upper
43 100
72 28.1 14.4 43.2





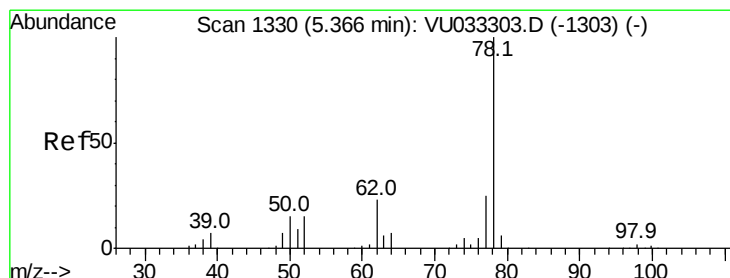
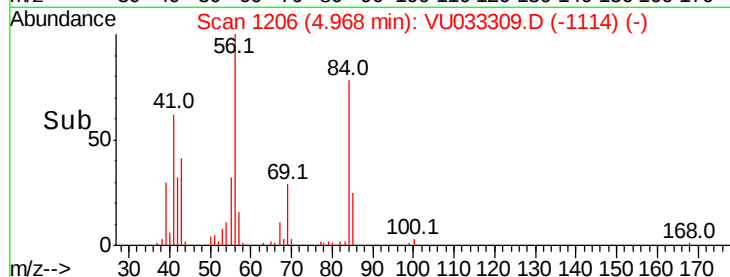
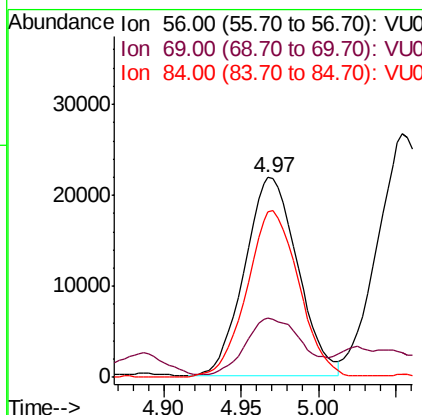
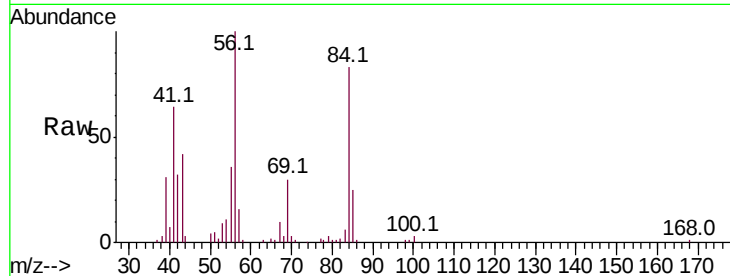
#29
Cyclohexane
Concen: 14.121 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU033309.D
Acq: 18 Jul 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.7	37.1
84	82.9	70.2	105.2

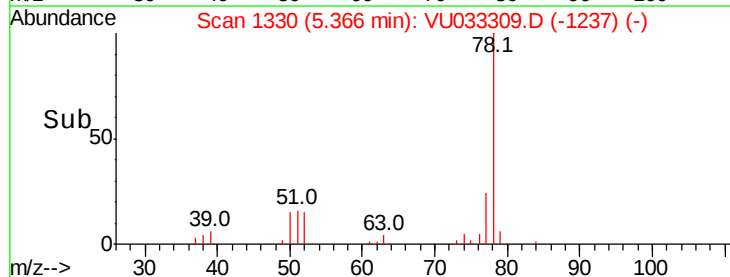
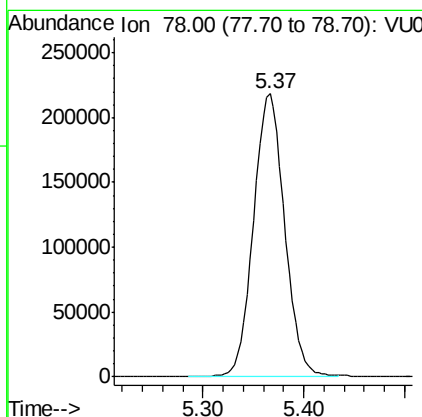
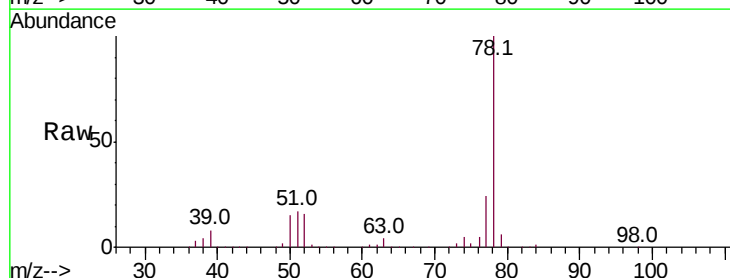
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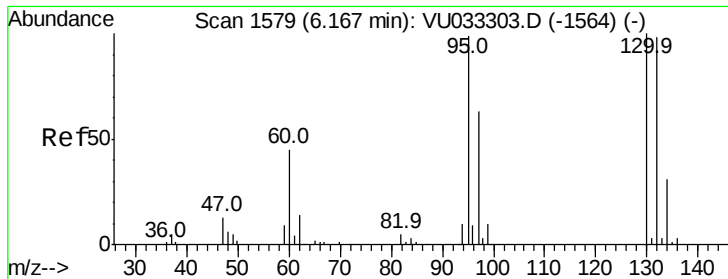
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#33
Benzene
Concen: 47.498 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU033309.D
Acq: 18 Jul 2019 11:20

Tgt Ion: 78 Resp: 467670





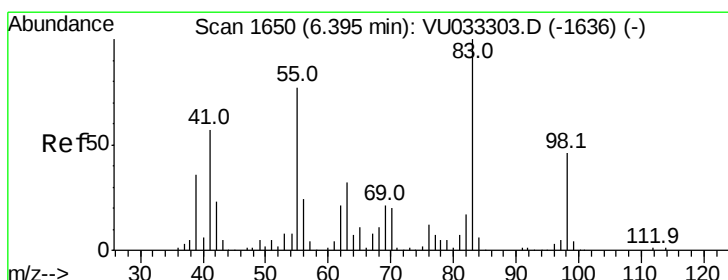
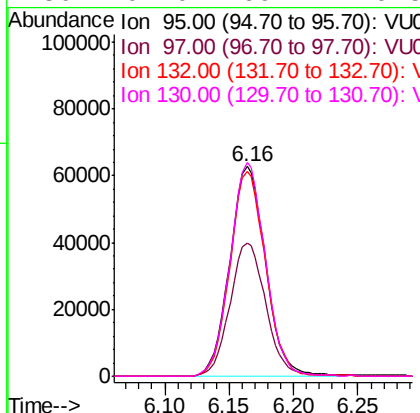
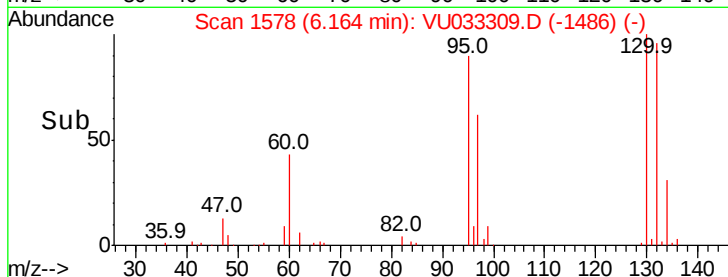
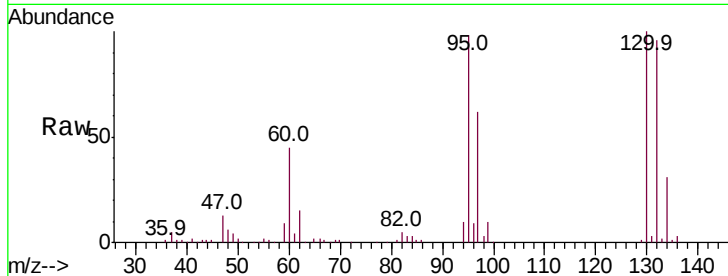
#34
 Trichloroethene
 Concen: 47.236 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033309.D
 Acq: 18 Jul 2019 11:20

Instrument :
 MSVOA_U
 ClientSampleID :
 GAMR0MSD

Tot Ion	95	Resp	121633
Ion Ratio	Lower	Upper	
95	100		
97	63.8	43.8	81.4
132	97.9	65.5	121.6
130	102.0	69.7	129.5

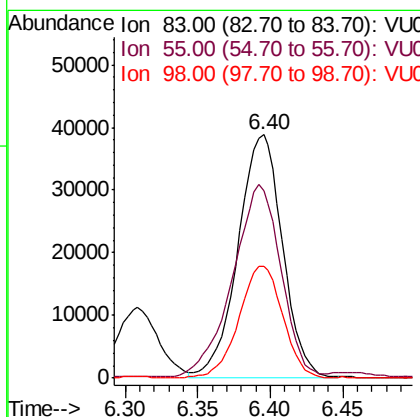
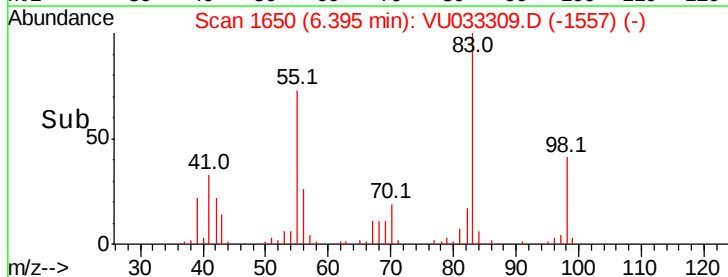
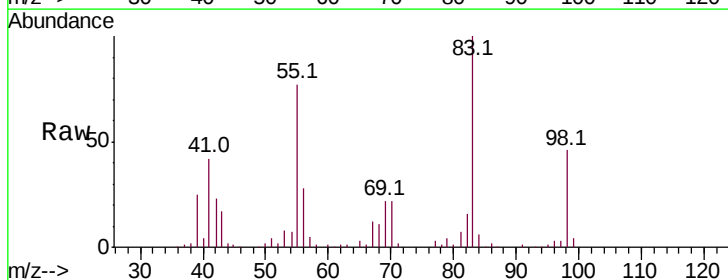
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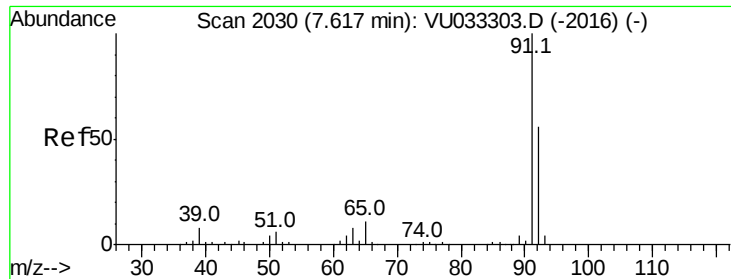
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#35
 Methylcyclohexane
 Concen: 20.897 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: VU033309.D
 Acq: 18 Jul 2019 11:20

Tgt Ion	83	Resp	82427
Ion Ratio	Lower	Upper	
83	100		
55	86.0	60.5	90.7
98	45.6	37.4	56.0





#42

Toluene

Concen: 48.651 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033309.D

Acq: 18 Jul 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

GAMR0MSD

Tot Ion: 91 Resp: 516434

Ion Ratio Lower Upper

91 100

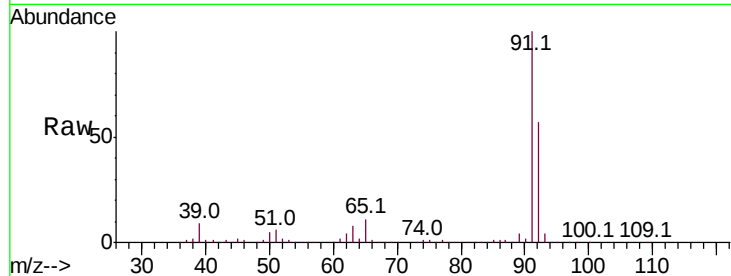
92 57.0 39.8 74.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU033309.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033309.D (-2016) (-)

7.62

300000

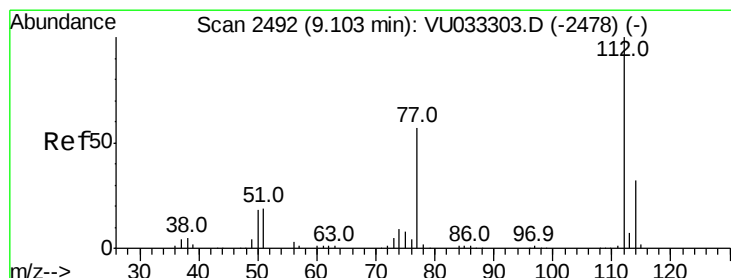
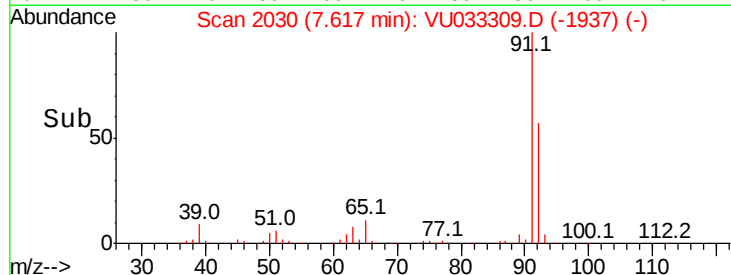
200000

100000

0

7.60 7.70

Time-->



#51

Chlorobenzene

Concen: 48.309 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033309.D

Acq: 18 Jul 2019 11:20

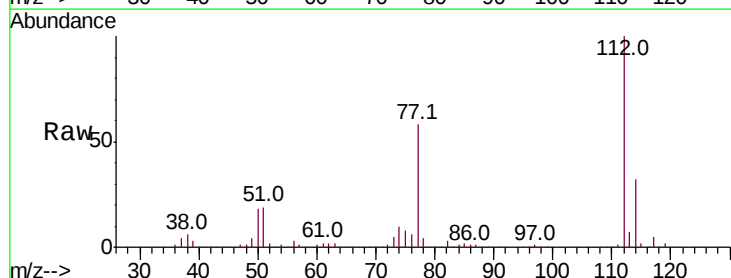
Tgt Ion: 112 Resp: 334712

Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

77 58.3 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): VU033309.D (-2399) (-)

Ion 114.00 (113.70 to 114.70): VU033309.D (-2399) (-)

Ion 77.00 (76.70 to 77.70): VU033309.D (-2399) (-)

9.10

250000

200000

150000

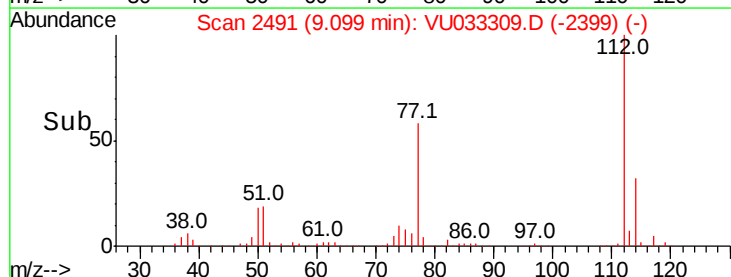
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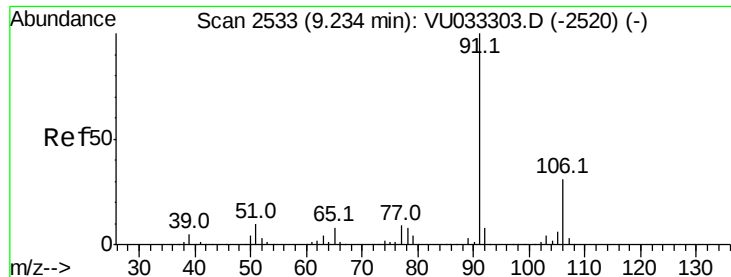
50000

0

9.05 9.10 9.15 9.20

Time-->





#52

Ethylbenzene

Concen: 14.517 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033309.D

Acq: 18 Jul 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

GAMR0MSD

Tot Ion: 91 Resp: 164900

Ion Ratio Lower Upper

91 100

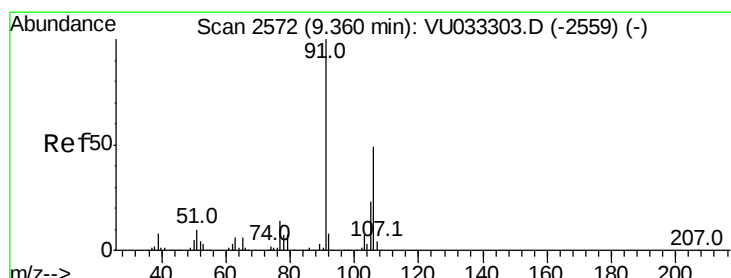
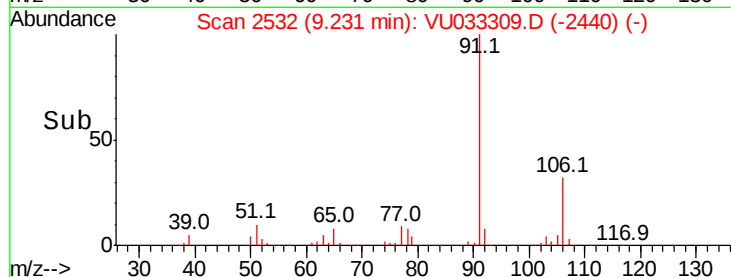
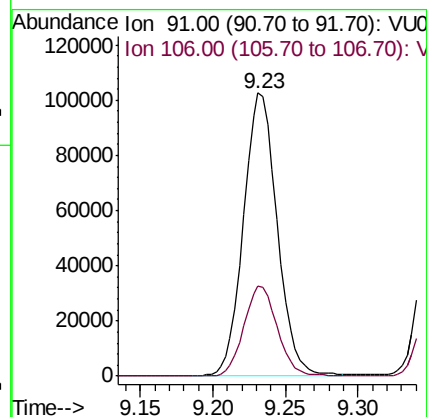
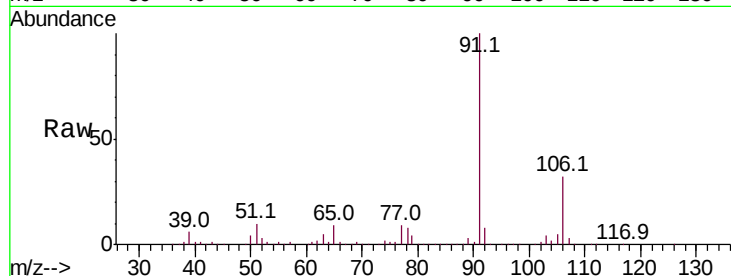
106 31.7 22.2 41.2

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#53

m,p-Xylene

Concen: 23.398 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. -0.00 min

Lab File: VU033309.D

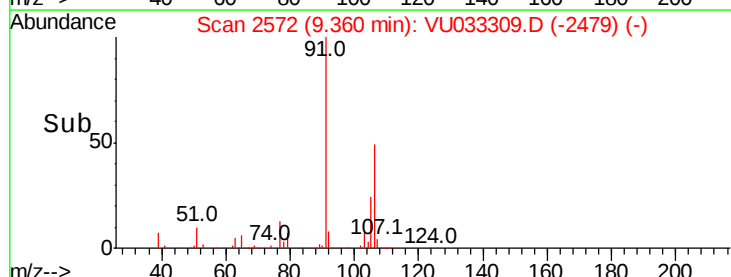
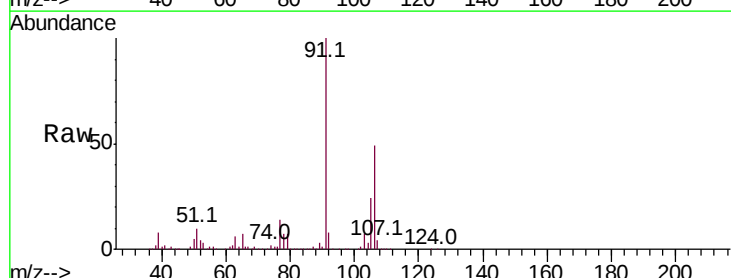
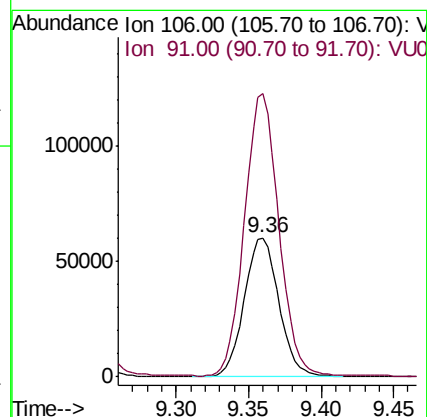
Acq: 18 Jul 2019 11:20

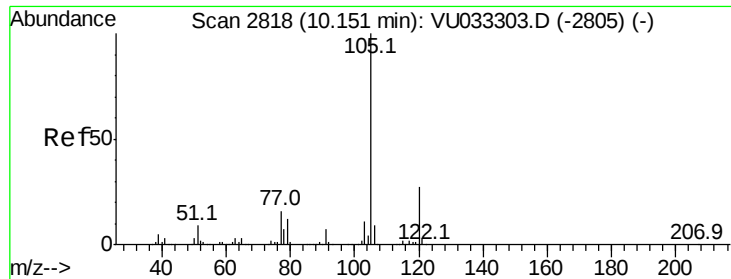
Tgt Ion: 106 Resp: 100669

Ion Ratio Lower Upper

106 100

91 203.2 141.3 262.3





#56
Isopropylbenzene
Concen: 5.260 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033309.D
Acq: 18 Jul 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tot Ion:	105	Resp:	57826
Ion Ratio	Lower	Upper	
105	100		
120	24.9	21.2	31.8
77	16.0	12.9	19.3

Manual Integrations
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