

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071819\
 Data File : VU033322.D
 Acq On : 18 Jul 2019 16:23
 Operator : JC/SP
 Sample : K3828-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAMR0MSD

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 10:57:01 AM

Quant Time: Jul 19 04:31:05 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	387223	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	374701	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	195083	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	160139	54.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.26%
7) Chloroethane-d5	1.67	69	136352	54.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.90%
11) 1,1-Dichloroethene-d2	2.26	63	274045	51.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.08%
21) 2-Butanone-d5	4.15	46	221907	119.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.48%
24) Chloroform-d	4.62	84	248072	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.28	65	162910	51.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.42%
32) Benzene-d6	5.32	84	531871	57.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.72%
36) 1,2-Dichloropropane-d6	6.31	67	165663	56.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.52%
41) Toluene-d8	7.55	98	496305	57.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.52%
43) trans-1,3-Dichloropropene-	7.83	79	82796	57.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.68%
47) 2-Hexanone-d5	8.29	63	168522	126.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.95%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	239471	53.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	201699	57.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.27	96	118648	45.906	ug/L	95
13) Acetone	2.31	43	25538	11.005	ug/L	99
16) Methylene chloride	2.68	84	3595	1.218	ug/L #	63
22) 2-Butanone	4.25	43	7252m	2.813	ug/L	
29) Cyclohexane	4.97	56	56856	13.925	ug/L	97
33) Benzene	5.37	78	534648	48.928	ug/L	100
34) Trichloroethene	6.16	95	136505	47.766	ug/L	96
35) Methylcyclohexane	6.39	83	88643	20.249	ug/L	94
42) Toluene	7.62	91	590020	50.083	ug/L	100
51) Chlorobenzene	9.10	112	378079	49.168	ug/L	98
52) Ethylbenzene	9.23	91	188167	14.927	ug/L	99
53) m,p-Xylene	9.36	106	114138	23.904	ug/L	99
56) Isopropylbenzene	10.15	105	67504	5.533	ug/L	97

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

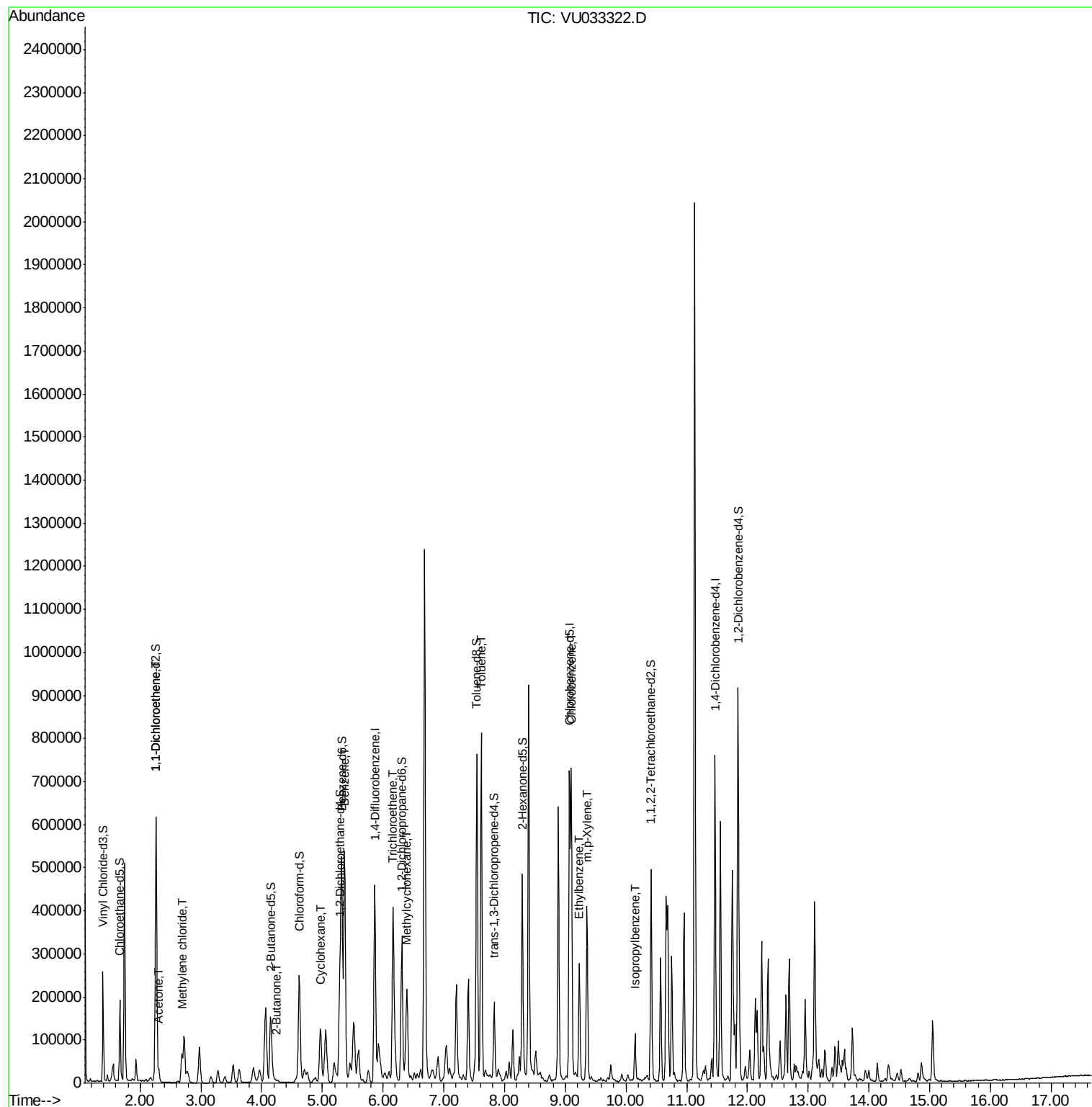
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071819\
Data File : VU033322.D
Acq On : 18 Jul 2019 16:23
Operator : JC/SP
Sample : K3828-03MSD
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

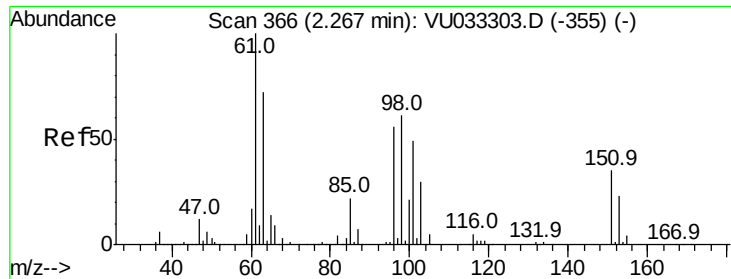
Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

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Quant Time: Jul 19 04:31:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 45.906 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033322.D

Acq: 18 Jul 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

GAMR0MSD

Tot Ion: 96 Resp: 118648

Ion Ratio Lower Upper

96 100

61 170.8 126.1 234.1

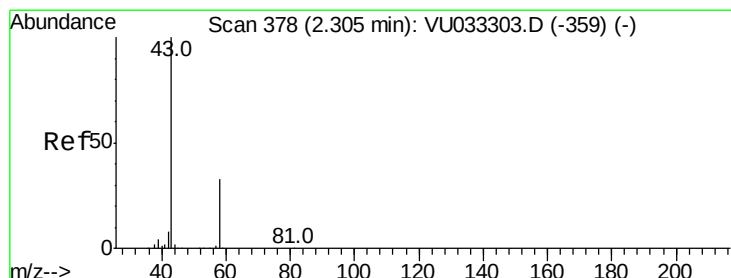
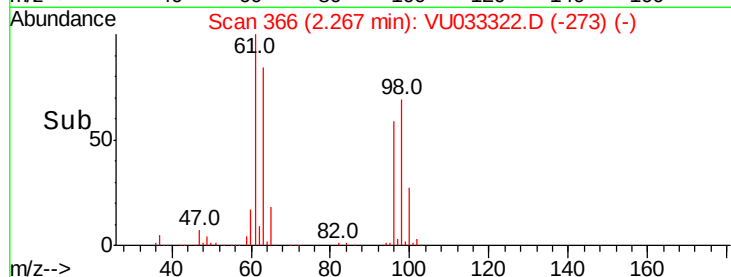
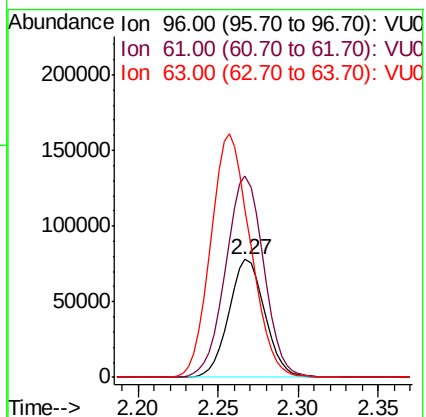
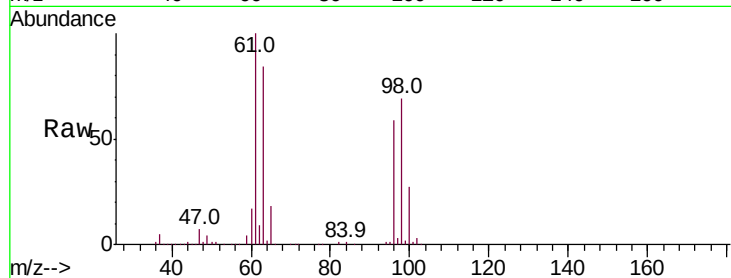
63 142.8 96.8 179.8

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#13

Acetone

Concen: 11.005 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033322.D

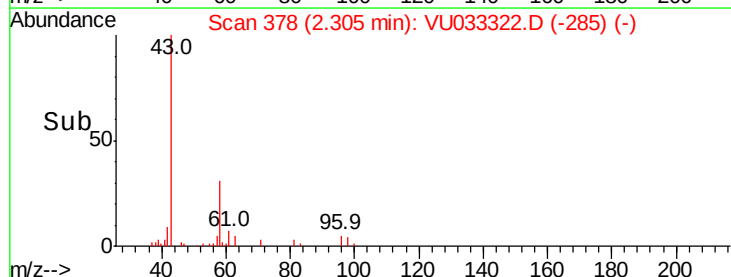
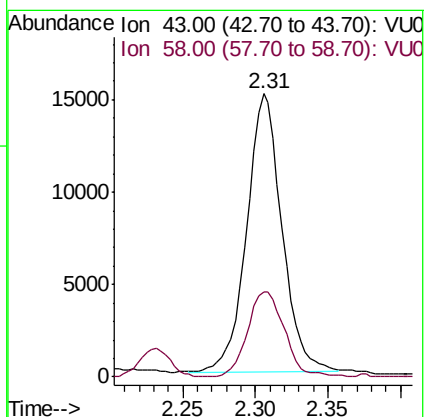
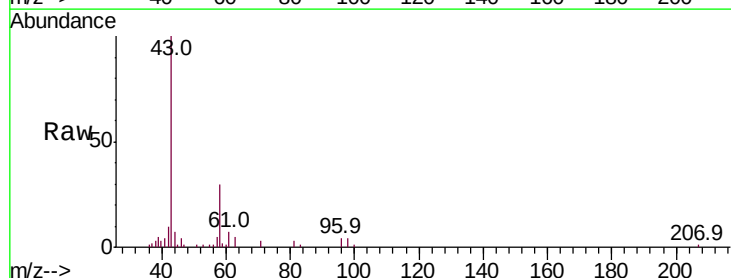
Acq: 18 Jul 2019 16:23

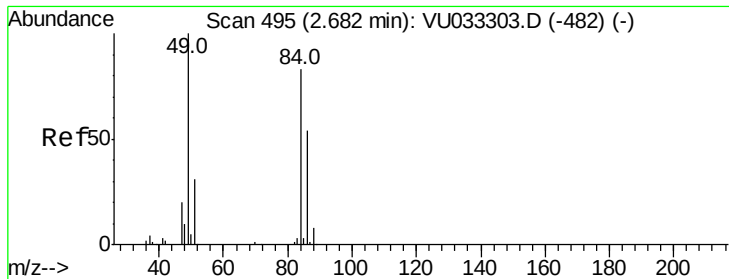
Tgt Ion: 43 Resp: 25538

Ion Ratio Lower Upper

43 100

58 32.2 0.0 65.4





#16

Methylene chloride

Concen: 1.218 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.00 min

Lab File: VU033322.D

Acq: 18 Jul 2019 16:23

Instrument :

MSVOA_U

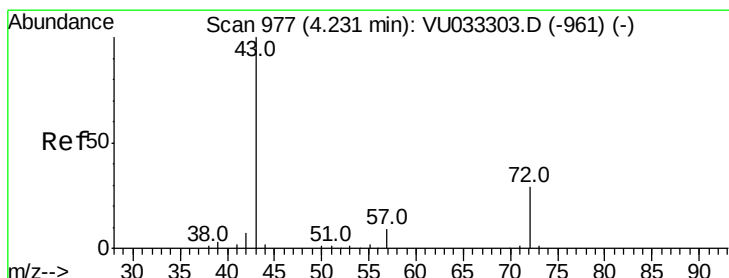
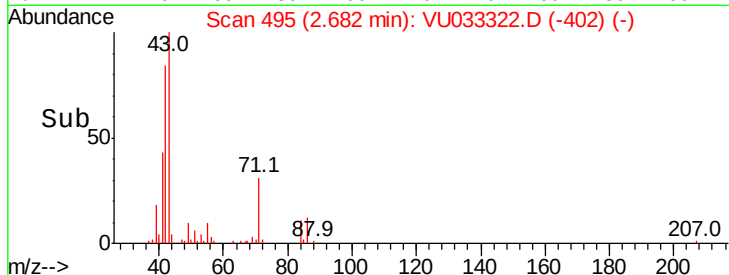
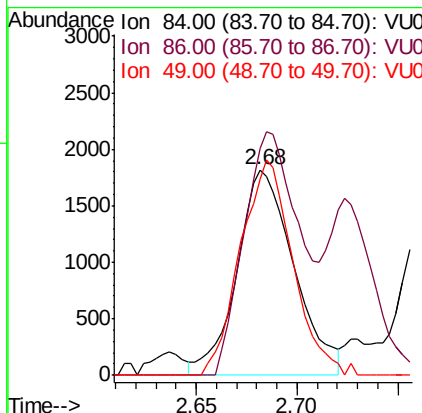
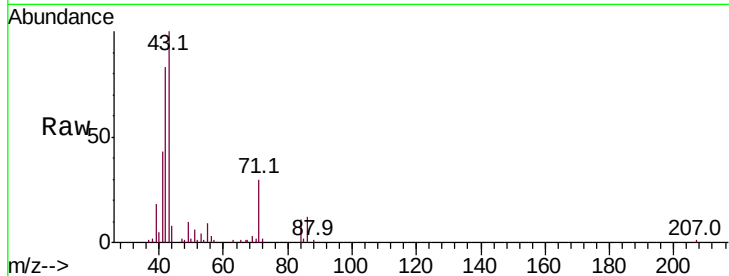
ClientSampleId :

GAMR0MSD

Tot Ion:	84	Resp:	3595
Ion	Ratio	Lower	Upper
84	100		
86	110.4	45.7	84.9#
49	95.4	87.7	162.9

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#22

2-Butanone

Concen: 2.813 ug/L m

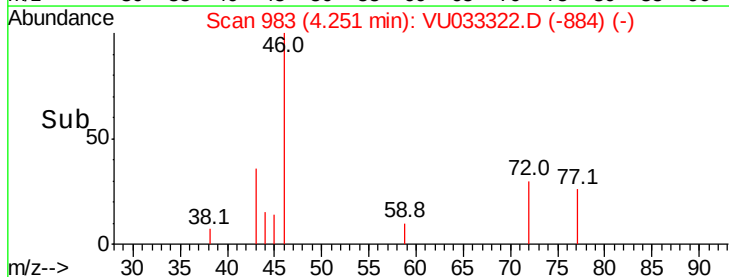
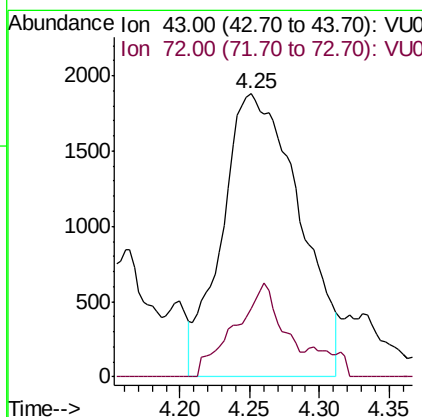
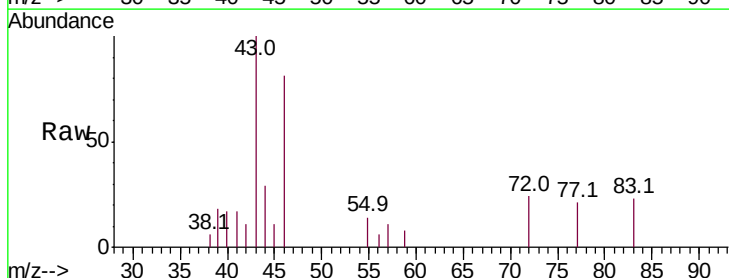
RT: 4.25 min Scan# 983

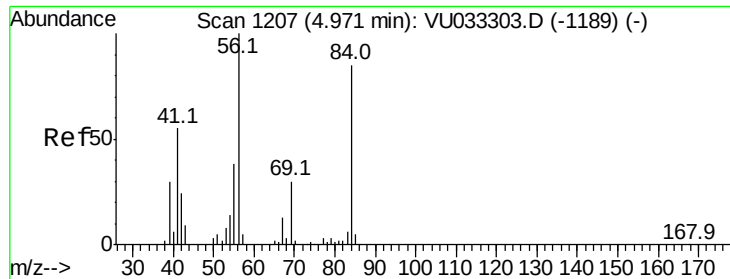
Delta R.T. 0.02 min

Lab File: VU033322.D

Acq: 18 Jul 2019 16:23

Tgt Ion:	43	Resp:	7252
Ion	Ratio	Lower	Upper
43	100		
72	4.8	14.4	43.2#





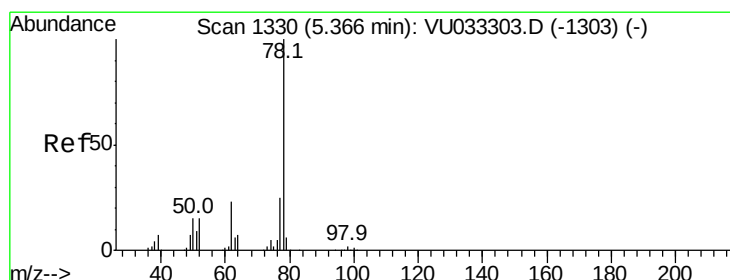
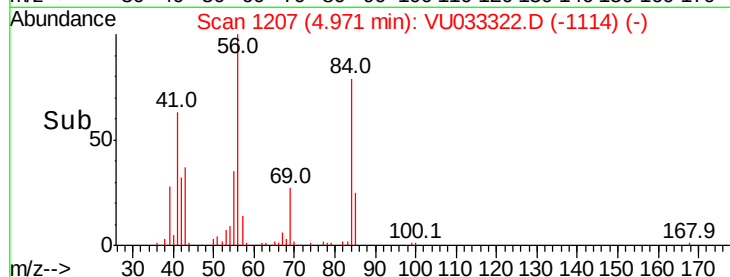
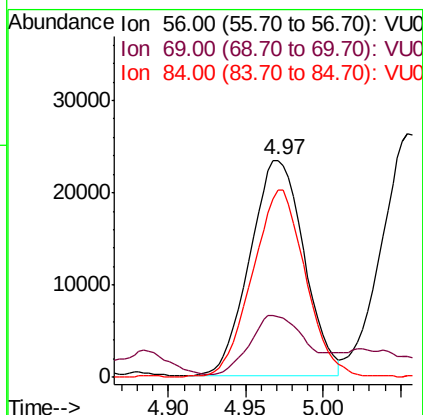
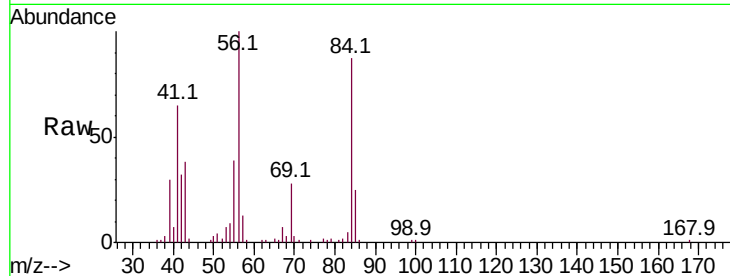
#29
Cyclohexane
Concen: 13.925 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033322.D
Acq: 18 Jul 2019 16:23

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.6	24.7	37.1
84	86.0	70.2	105.2

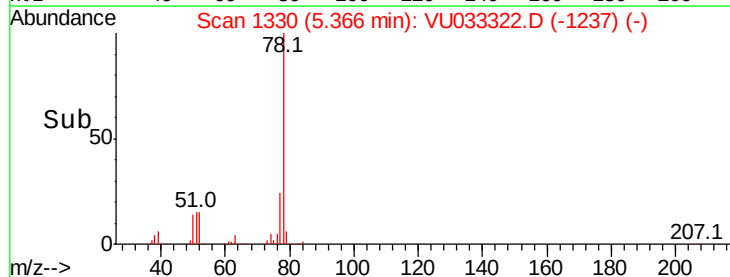
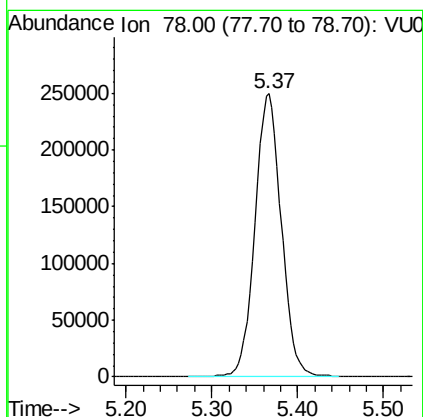
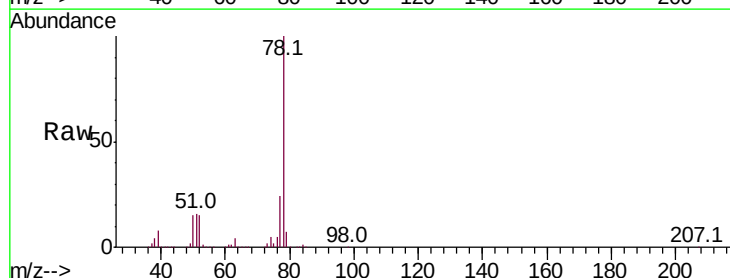
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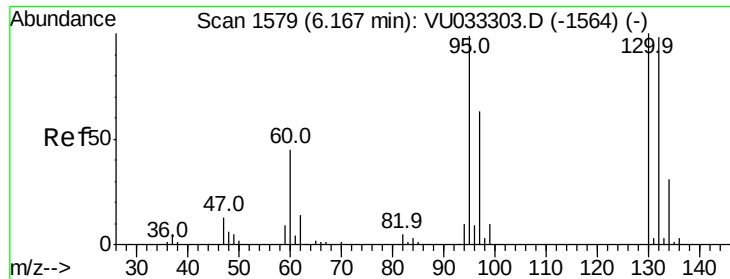
MMDadoda
7/19/2019 10:57:01 AM



#33
Benzene
Concen: 48.928 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033322.D
Acq: 18 Jul 2019 16:23

Tgt Ion: 78 Resp: 534648





#34

Trichloroethene

Concen: 47.766 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033322.D

Acq: 18 Jul 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

GAMR0MSD

Tot Ion: 95 Resp: 136505

Ion Ratio Lower Upper

95 100

97 64.3 43.8 81.4

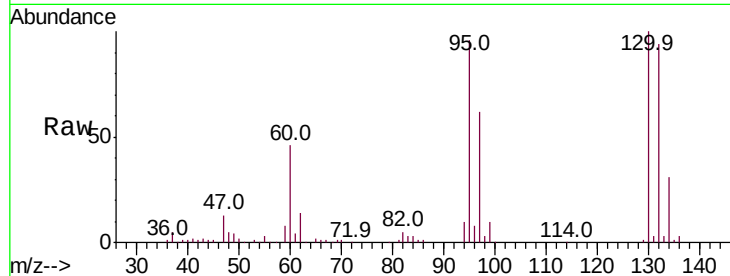
132 97.7 65.5 121.6

130 104.1 69.7 129.5

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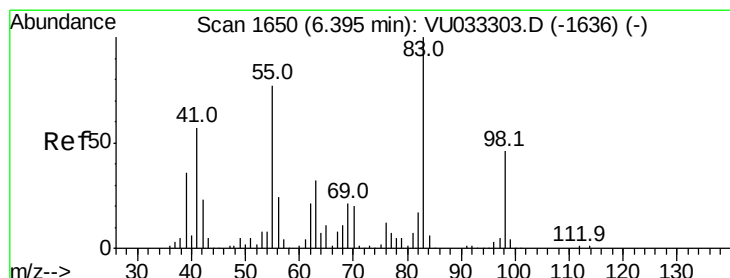
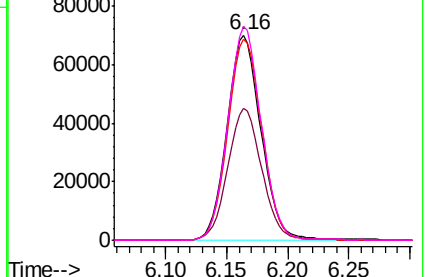
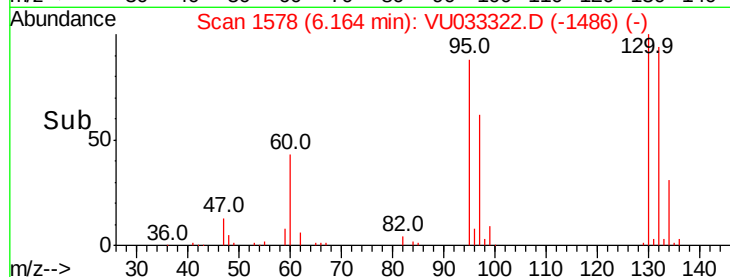


Abundance Ion 95.00 (94.70 to 95.70): VU033322.D (-1564) (-)

Ion 97.00 (96.70 to 97.70): VU033322.D (-1564) (-)

Ion 132.00 (131.70 to 132.70): VU033322.D (-1564) (-)

Ion 130.00 (129.70 to 130.70): VU033322.D (-1564) (-)



#35

Methylcyclohexane

Concen: 20.249 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033322.D

Acq: 18 Jul 2019 16:23

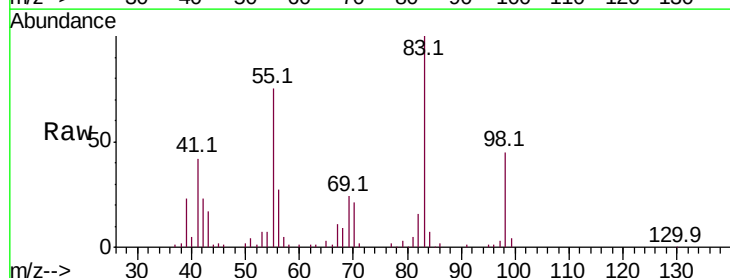
Tgt Ion: 83 Resp: 88643

Ion Ratio Lower Upper

83 100

55 83.6 60.5 90.7

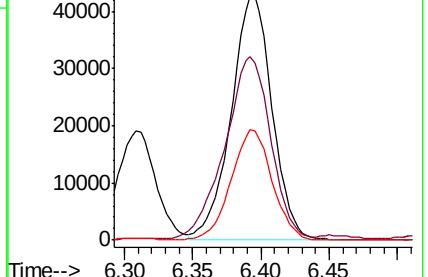
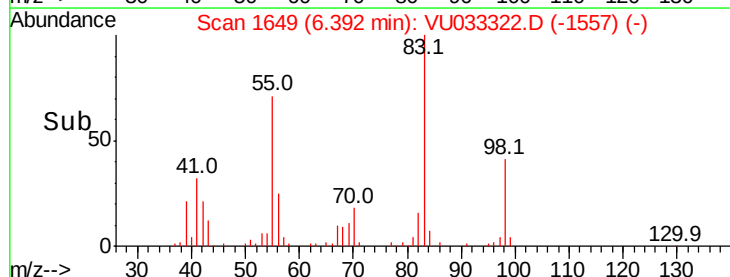
98 45.5 37.4 56.0

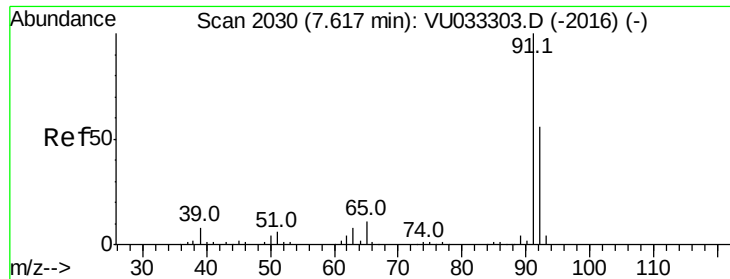


Abundance Ion 83.00 (82.70 to 83.70): VU033322.D (-1557) (-)

Ion 55.00 (54.70 to 55.70): VU033322.D (-1557) (-)

Ion 98.00 (97.70 to 98.70): VU033322.D (-1557) (-)





#42

Toluene

Concen: 50.083 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033322.D

Acq: 18 Jul 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

GAMR0MSD

Tot Ion: 91 Resp: 590020

Ion Ratio Lower Upper

91 100

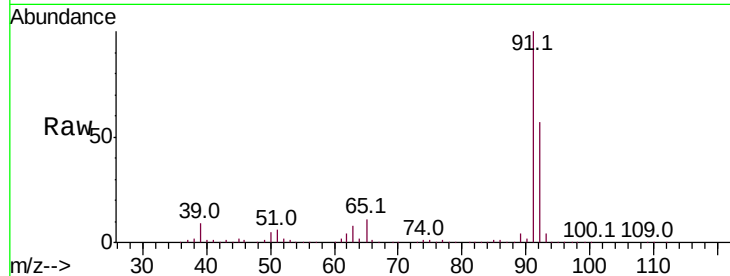
92 56.9 39.8 74.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU033322.D (-2399) (-)

Ion 92.00 (91.70 to 92.70): VU033322.D (-2399) (-)

7.62

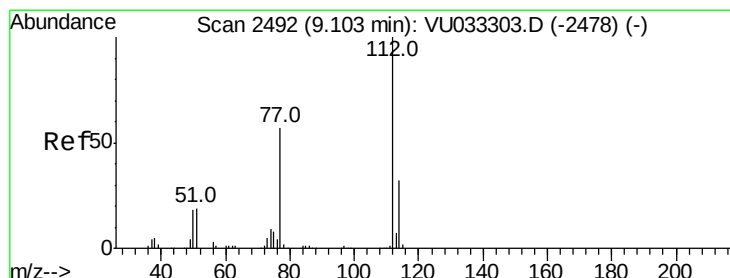
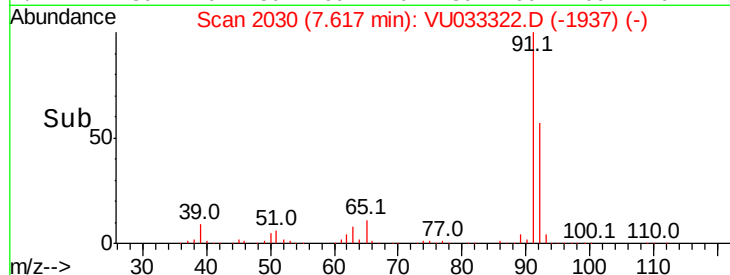
300000

200000

100000

0

Time-->



#51

Chlorobenzene

Concen: 49.168 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033322.D

Acq: 18 Jul 2019 16:23

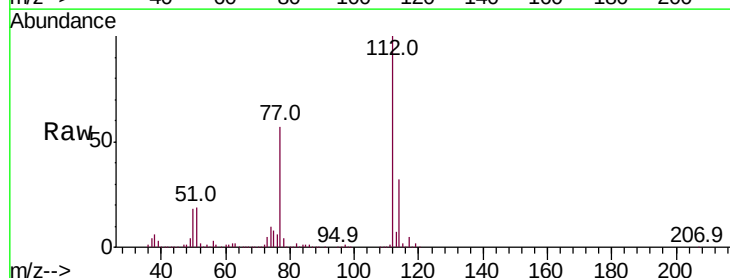
Tgt Ion: 112 Resp: 378079

Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.3

77 57.3 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): VU033322.D (-2399) (-)

Ion 114.00 (113.70 to 114.70): VU033322.D (-2399) (-)

Ion 77.00 (76.70 to 77.70): VU033322.D (-2399) (-)

9.10

300000

250000

200000

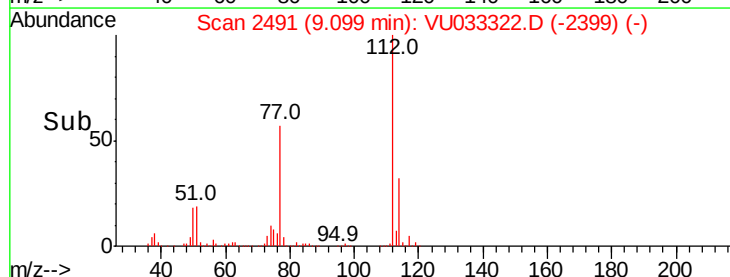
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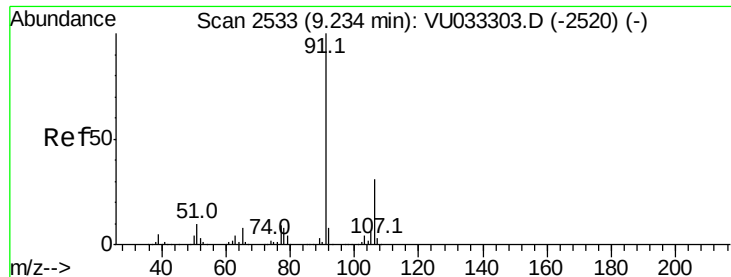
100000

50000

0

Time-->





#52

Ethylbenzene

Concen: 14.927 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033322.D

Acq: 18 Jul 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

GAMR0MSD

Tot Ion: 91 Resp: 188167

Ion Ratio Lower Upper

91 100

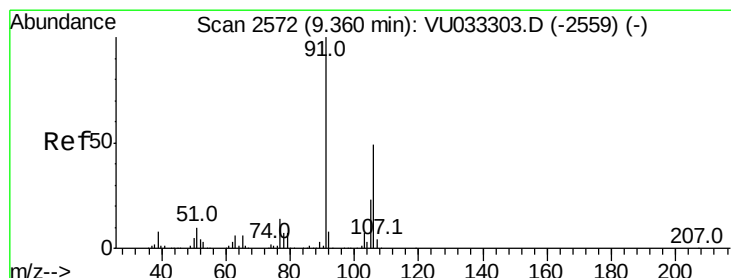
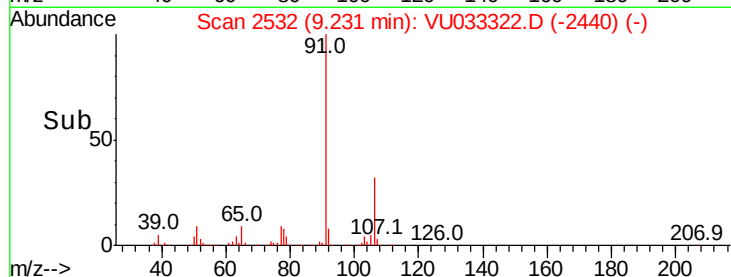
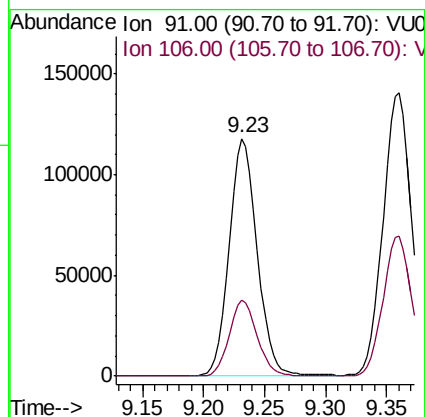
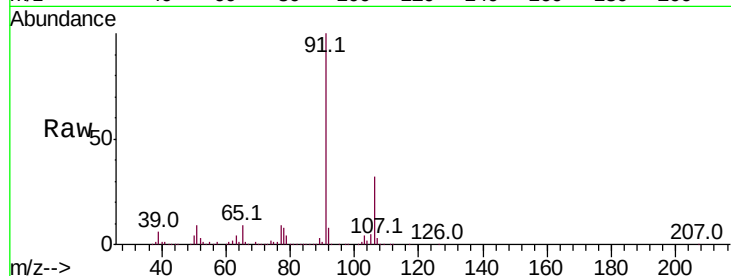
106 32.1 22.2 41.2

Manual Integrations

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#53

m,p-Xylene

Concen: 23.904 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033322.D

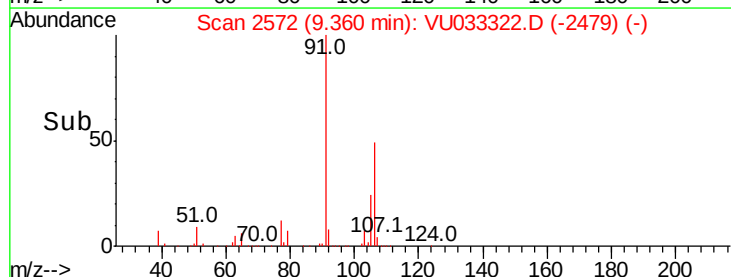
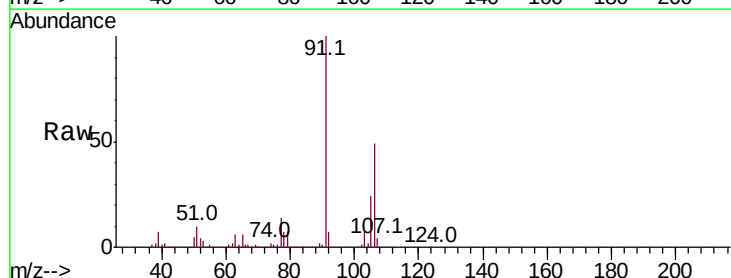
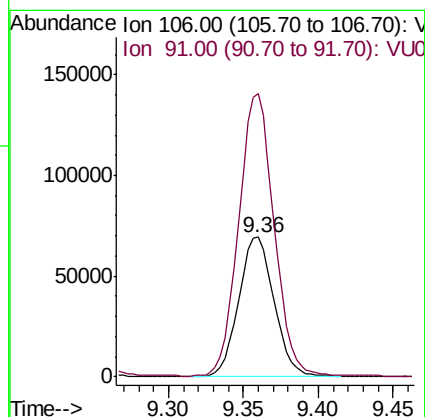
Acq: 18 Jul 2019 16:23

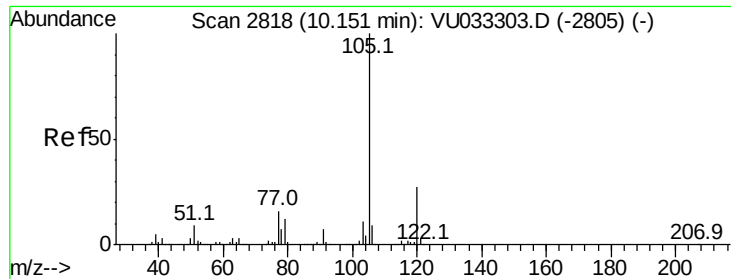
Tgt Ion: 106 Resp: 114138

Ion Ratio Lower Upper

106 100

91 203.0 141.3 262.3





#56
Isopropylbenzene
Concen: 5.533 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033322.D
Acq: 18 Jul 2019 16:23

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.6	21.2	31.8
77	16.5	12.9	19.3

Manual Integrations
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