

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035388.D
 Acq On : 23 Oct 2019 01:25
 Operator : JC/SP
 Sample : K5461-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G65

Quant Time: Oct 23 08:46:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	250090	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	251569	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	82808	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	114249	7.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	149.80%#
7) Chloroethane-d5	1.93	69	99678	7.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	143.00%#
11) 1,1-Dichloroethene-d2	2.59	63	152136	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.00%
20) 2-Butanone-d5	4.72	46	2863	0.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	1.30%#
24) Chloroform-d	5.11	84	163684	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.40%
26) 1,2-Dichloroethane-d4	5.75	65	99923	6.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.40%
32) Benzene-d6	5.77	84	361041	6.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.60%#
36) 1,2-Dichloropropane-d6	6.74	67	120408	6.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	131.80%
41) Toluene-d8	7.93	98	304686	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
43) trans-1,3-Dichloropropene-	8.22	79	37603	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.69	63	63036	16.12	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	32.24%#
57) 1,1,2,2-Tetrachloroethane-	10.79	84	92763	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	90810	6.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.40%#

Target Compounds

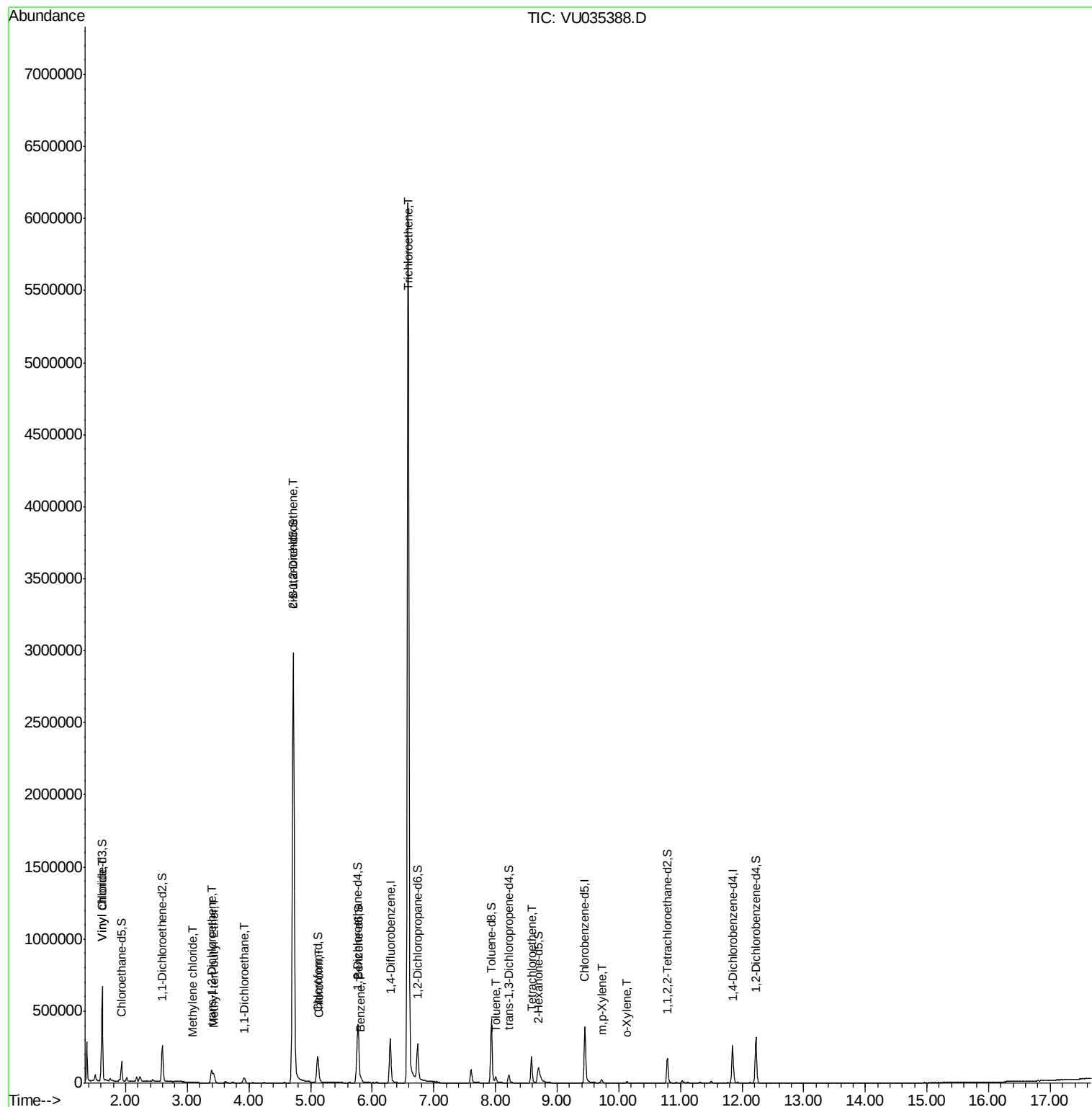
					Ovalue
5) Vinyl chloride	1.62	62	288659	13.312	ug/L 98
16) Methylene chloride	3.08	84	2807	0.145	ug/L 86
17) Methyl tert-butyl Ether	3.43	73	69804	1.614	ug/L # 91
18) trans-1,2-Dichloroethene	3.39	96	35280	2.035	ug/L 99
19) 1,1-Dichloroethane	3.92	63	40294	1.285	ug/L 96
22) cis-1,2-Dichloroethene	4.72	96	1590832	83.007	ug/L 97
25) Chloroform	5.14	83	19119	0.556	ug/L 98
33) Benzene	5.82	78	26256	0.355	ug/L 100
34) Trichloroethene	6.58	95	2117723	106.418	ug/L 97
42) Toluene	8.01	91	24789	0.303	ug/L 99
47) Tetrachloroethene	8.58	164	44305	2.672	ug/L 92
53) m,p-Xylene	9.72	106	6775	0.193	ug/L 95
54) o-Xylene	10.13	106	2680	0.078	ug/L 81

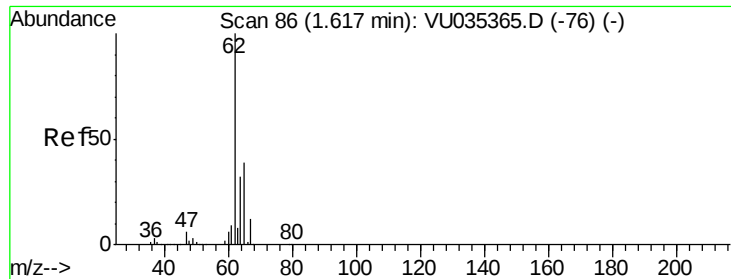
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 13.312 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035388.D

Acq: 23 Oct 2019 01:25

Instrument :

MSVOA_U

ClientSampleID :

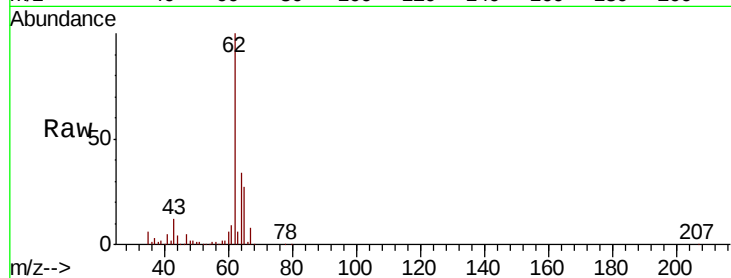
H0G65

Tot Ion: 62 Resp: 288659

Ion Ratio Lower Upper

62 100

64 34.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

250000

200000

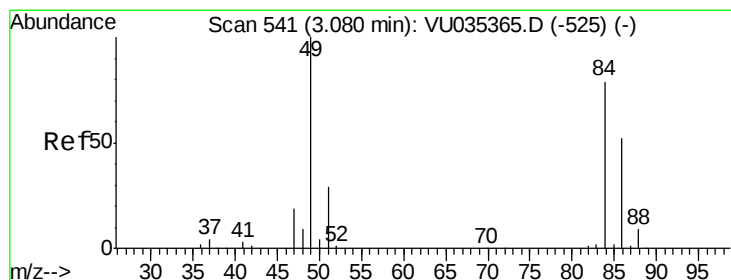
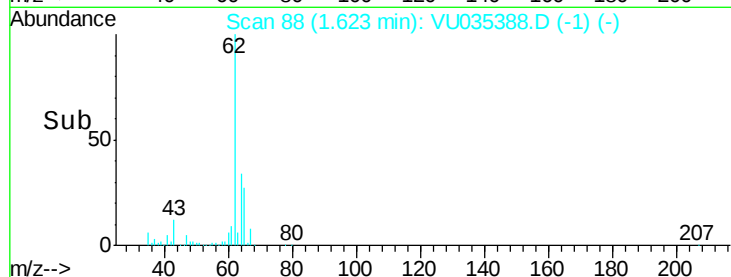
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 0.145 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035388.D

Acq: 23 Oct 2019 01:25

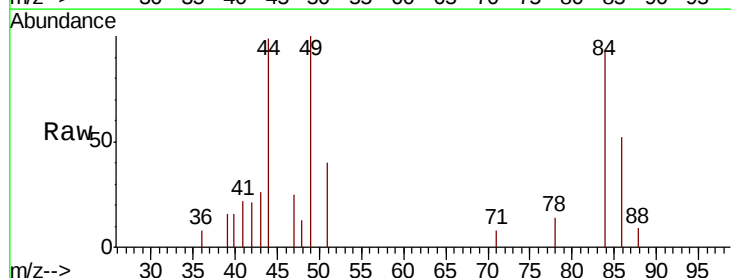
Tgt Ion: 84 Resp: 2807

Ion Ratio Lower Upper

84 100

86 56.1 45.4 84.2

49 107.0 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

2000

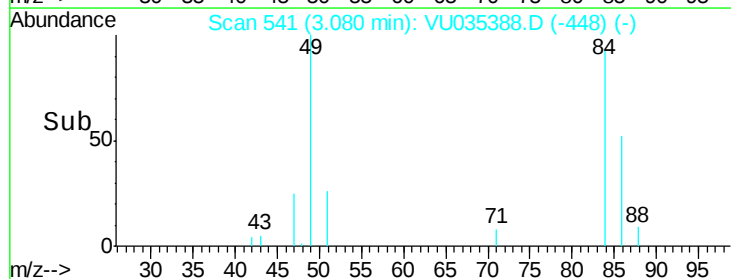
1500

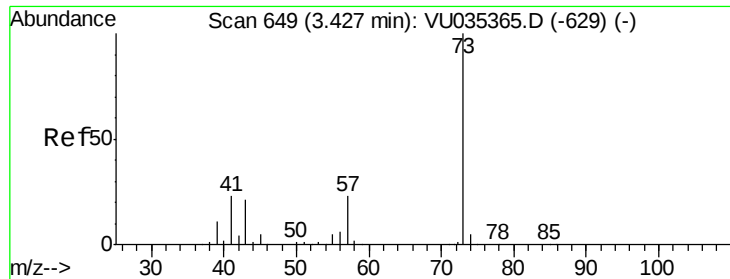
1000

500

0

Time-->

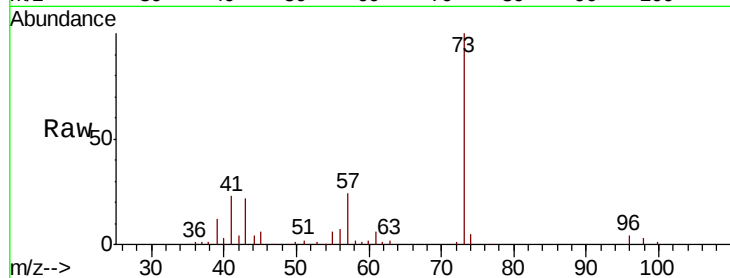




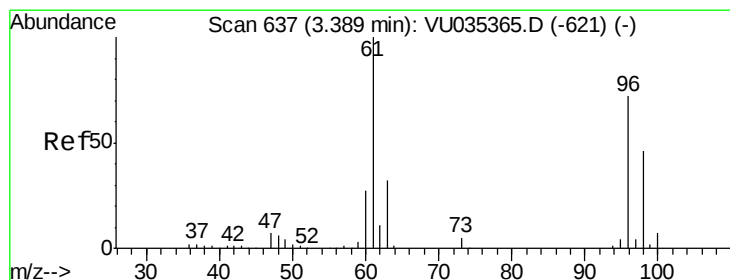
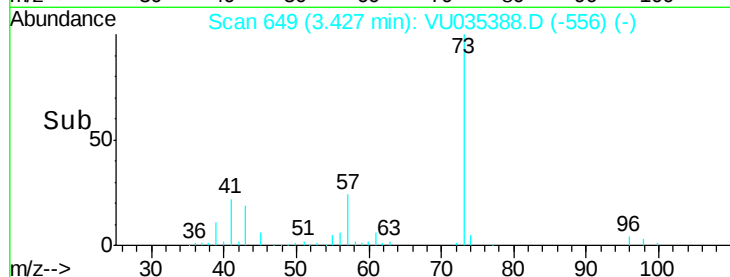
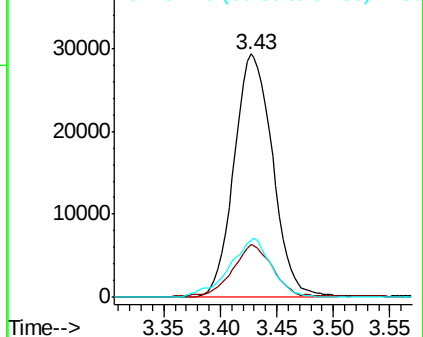
#17
Methvl tert-butvl Ether
Concen: 1.614 ug/L
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035388.D
Acq: 23 Oct 2019 01:25

Instrument :
MSVOA_U
ClientSampleId :
H0G65

Tot Ion: 73 Resp: 69804
Ion Ratio Lower Upper
73 100
43 23.3 16.0 24.0
57 26.6 17.4 26.2#

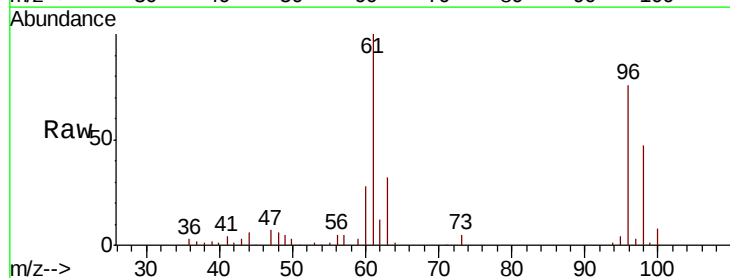


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

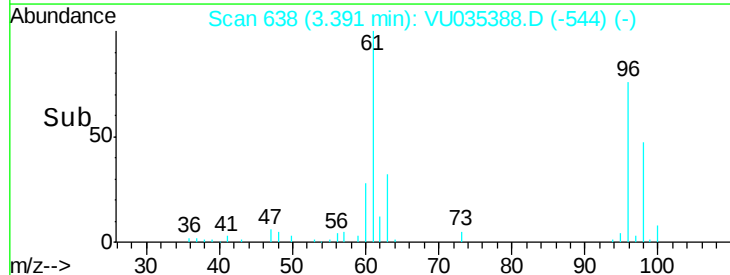
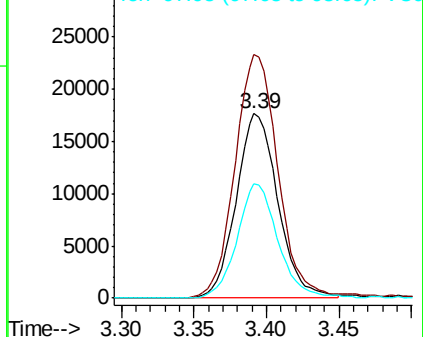


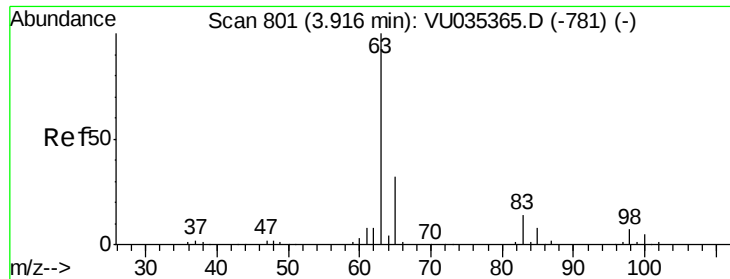
#18
trans-1,2-Dichloroethene
Concen: 2.035 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035388.D
Acq: 23 Oct 2019 01:25

Tgt Ion: 96 Resp: 35280
Ion Ratio Lower Upper
96 100
61 132.0 93.0 172.6
98 61.9 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

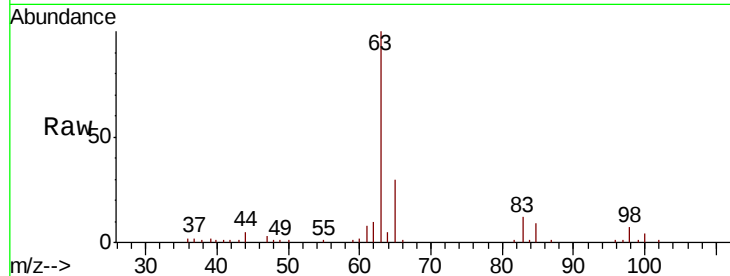




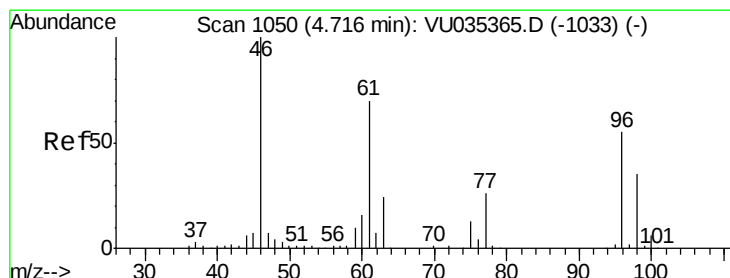
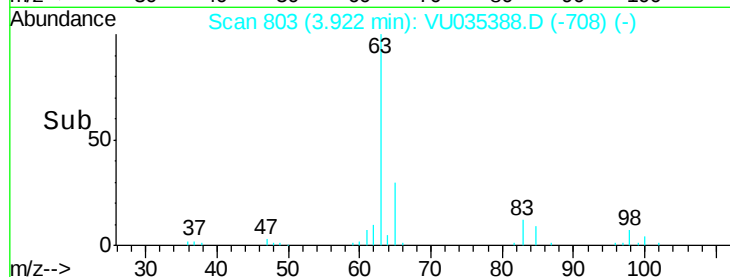
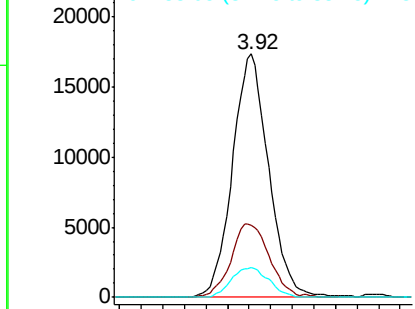
#19
 1,1-Dichloroethane
 Concen: 1.285 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU035388.D
 Acq: 23 Oct 2019 01:25

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G65

Tot Ion: 63 Resp: 40294
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.4 41.6
 83 12.0 9.3 17.3

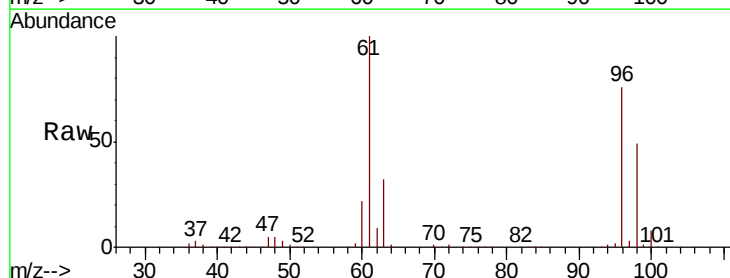


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

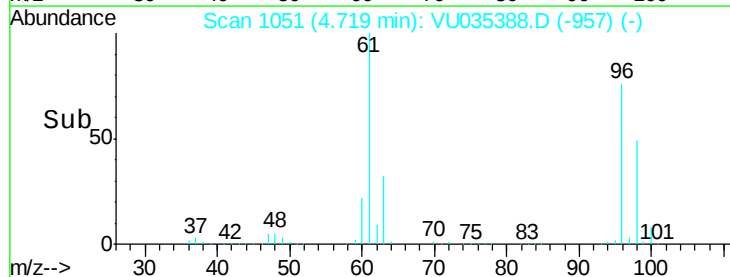
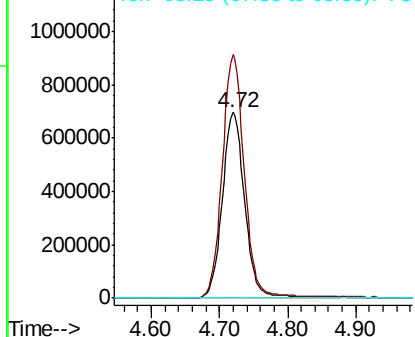


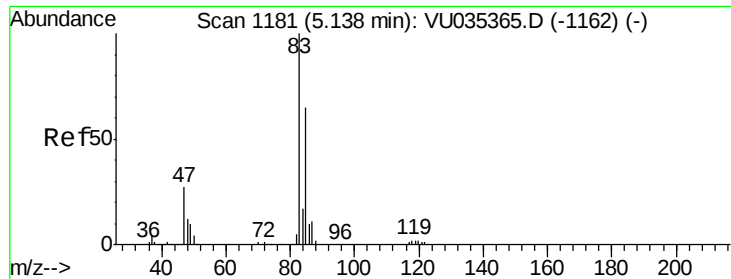
#22
 cis-1,2-Dichloroethene
 Concen: 83.007 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035388.D
 Acq: 23 Oct 2019 01:25

Tgt Ion: 96 Resp: 1590832
 Ion Ratio Lower Upper
 96 100
 61 131.3 89.7 166.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

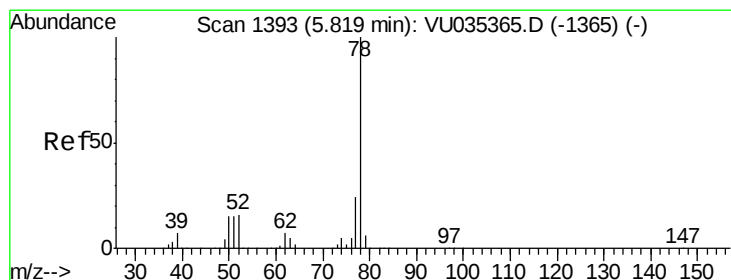
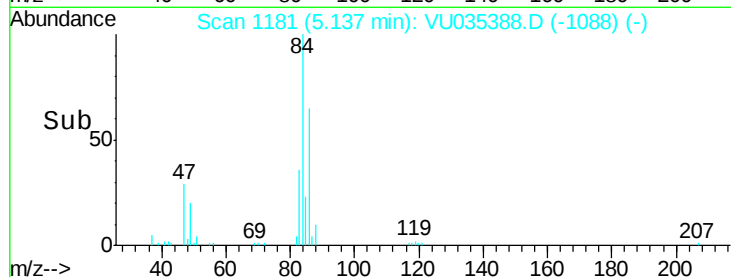
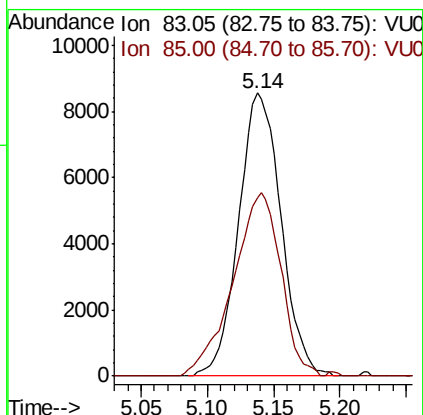
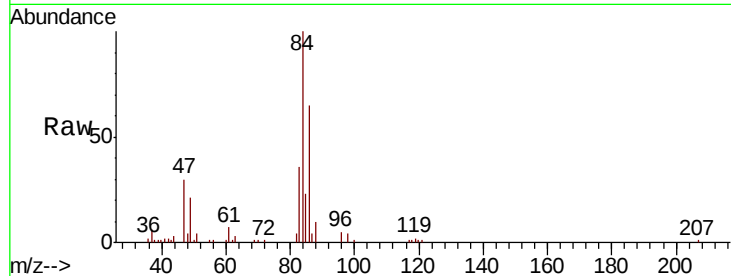




#25
Chloroform
Concen: 0.556 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035388.D
Acq: 23 Oct 2019 01:25

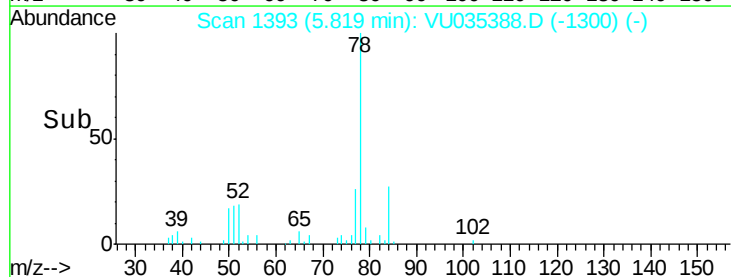
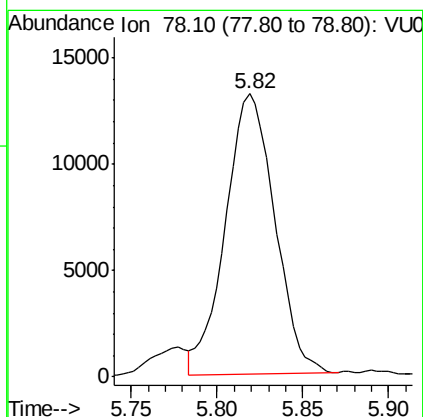
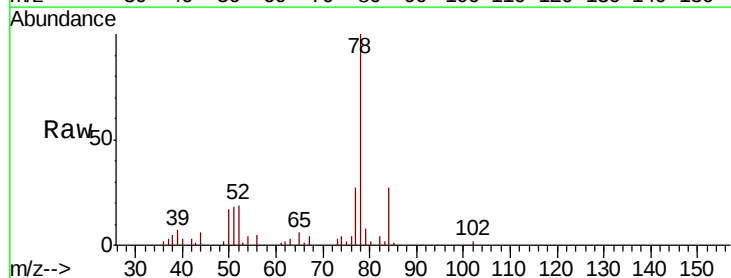
Instrument :
MSVOA_U
ClientSampleId :
H0G65

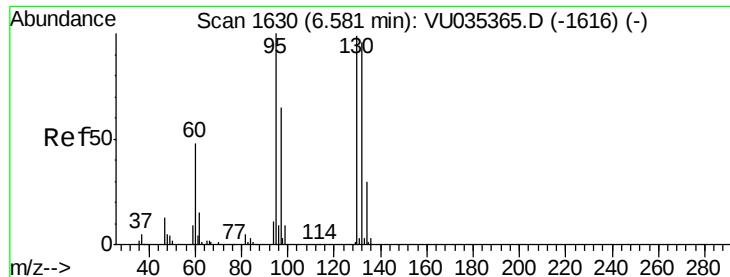
Tot Ion: 83 Resp: 19119
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.9



#33
Benzene
Concen: 0.355 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035388.D
Acq: 23 Oct 2019 01:25

Tgt Ion: 78 Resp: 26256





#34

Trichloroethene

Concen: 106.418 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035388.D

Acq: 23 Oct 2019 01:25

Instrument :

MSVOA_U

ClientSampleId :

H0G65

Tot Ion: 95 Resp: 2117723

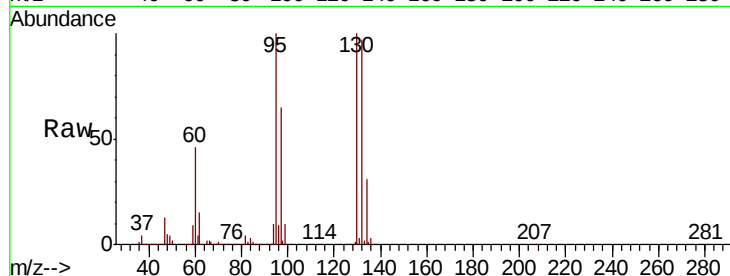
Ion Ratio Lower Upper

95 100

97 64.8 46.6 86.6

132 96.9 68.7 127.7

130 100.0 73.9 137.3

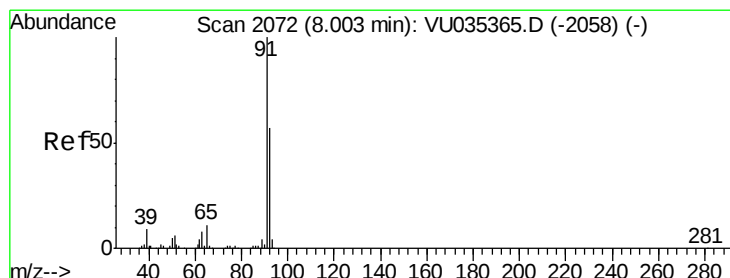
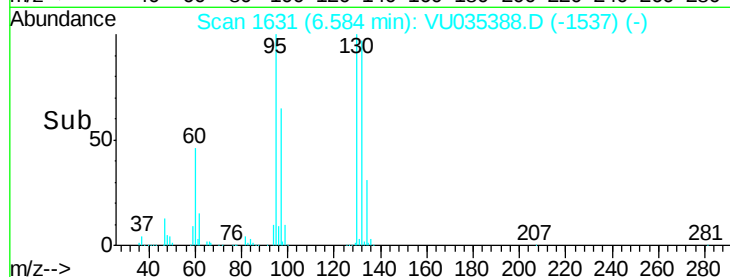
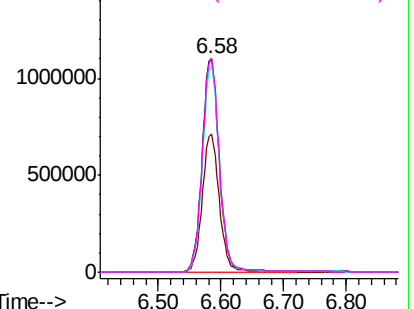


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 0.303 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035388.D

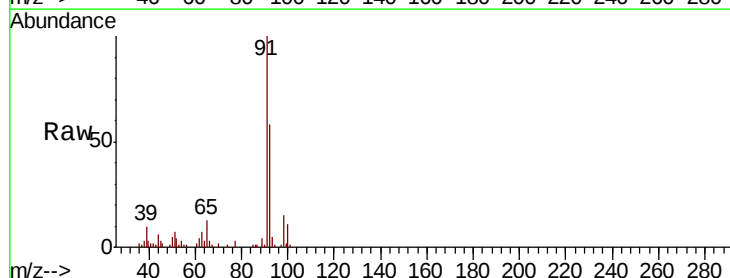
Acq: 23 Oct 2019 01:25

Tgt Ion: 91 Resp: 24789

Ion Ratio Lower Upper

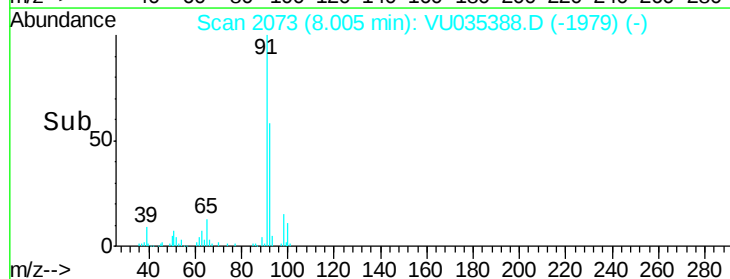
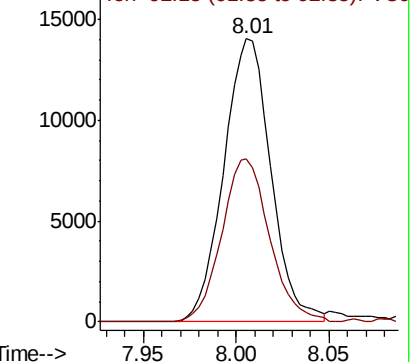
91 100

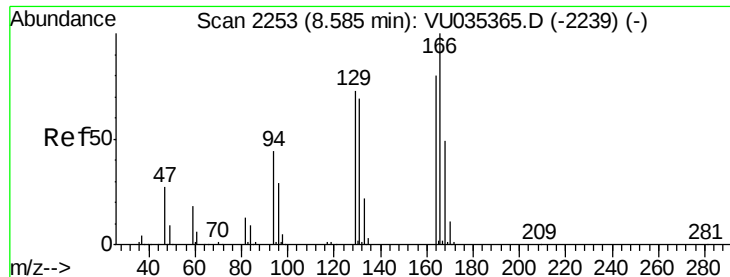
92 57.5 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 2.672 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035388.D

Acq: 23 Oct 2019 01:25

Instrument :

MSVOA_U

ClientSampleId :

H0G65

Tot Ion:164 Resp: 44305

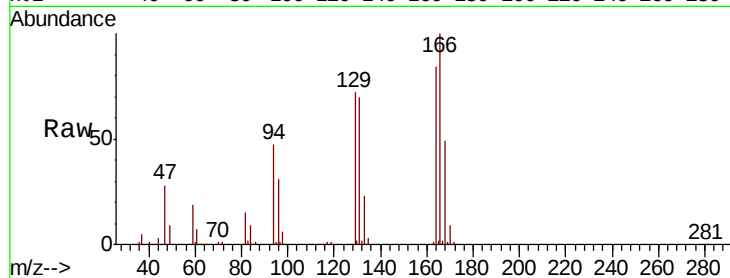
Ion Ratio Lower Upper

164 100

129 86.0 65.2 121.0

131 83.1 62.9 116.9

166 118.9 91.5 169.9

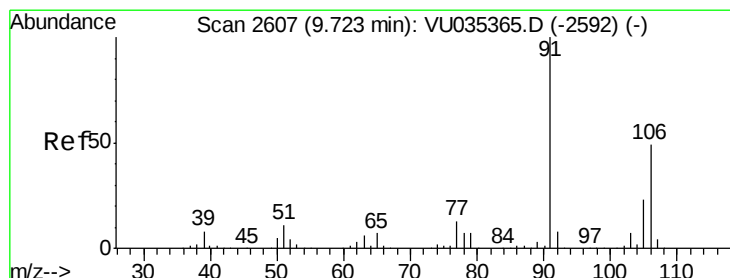
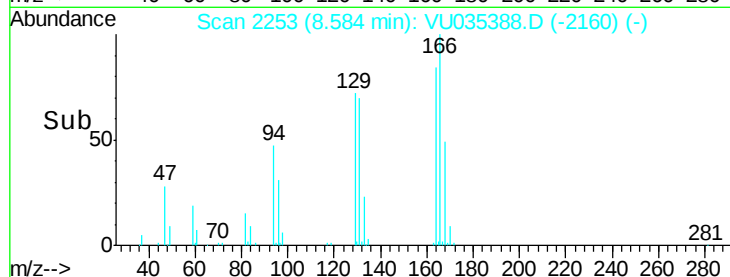
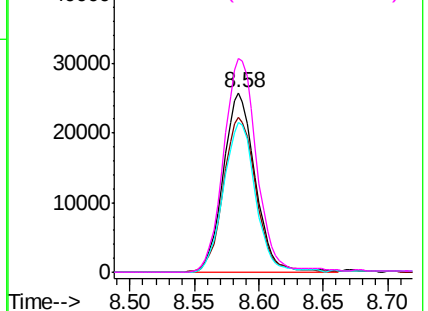


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#53

m,p-Xylene

Concen: 0.193 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035388.D

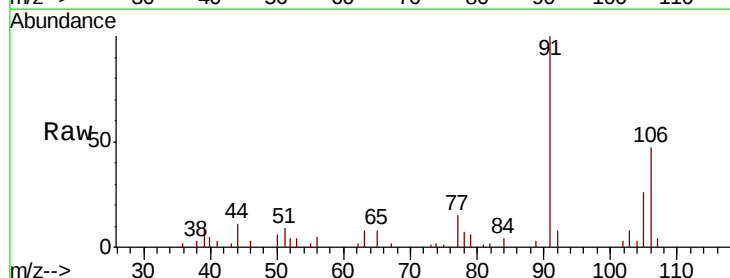
Acq: 23 Oct 2019 01:25

Tgt Ion:106 Resp: 6775

Ion Ratio Lower Upper

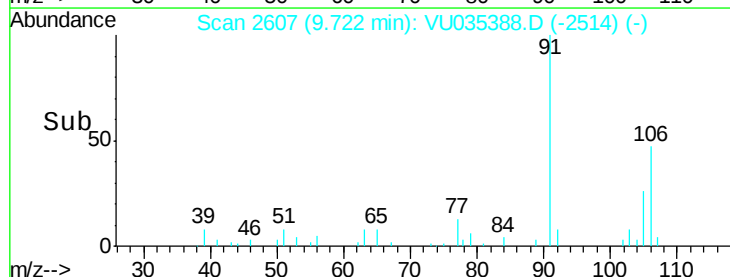
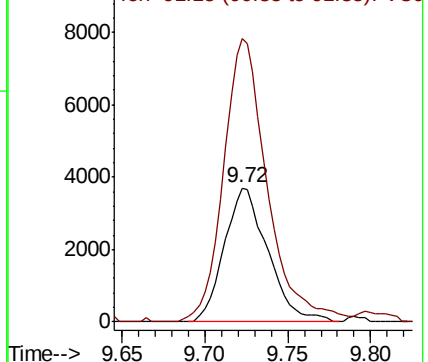
106 100

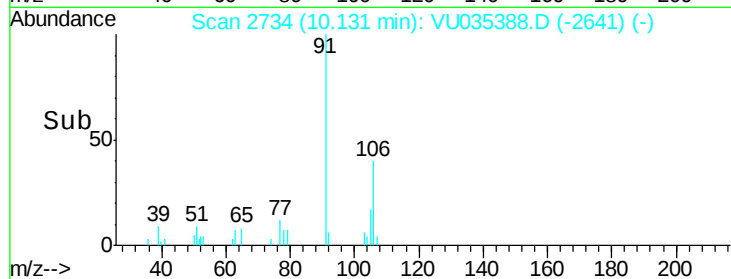
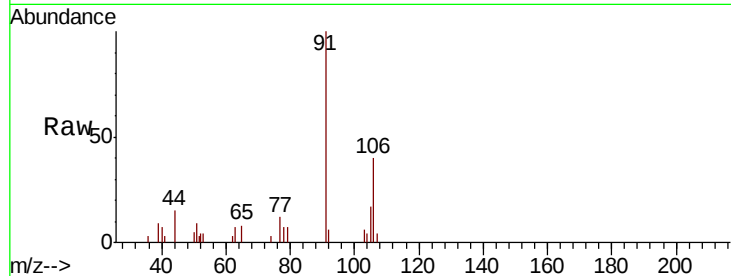
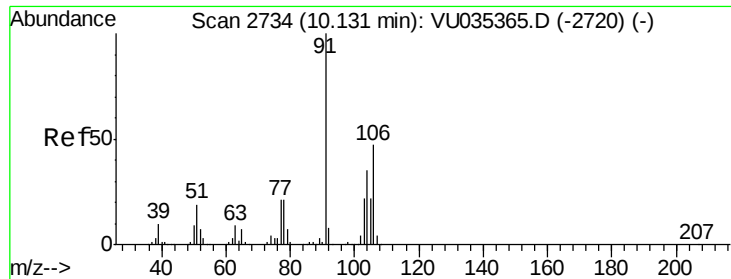
91 210.9 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#54
o-Xylene
Concen: 0.078 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035388.D
Acq: 23 Oct 2019 01:25

Instrument :
MSVOA_U
ClientSampleId :
H0G65

Tot Ion:106 Resp: 2680
Ion Ratio Lower Upper
106 100
91 248.7 153.2 284.6

