

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035259.D
 Acq On : 18 Oct 2019 11:04
 Operator : JC/SP
 Sample : K5419-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FY8

Quant Time: Oct 18 14:41:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 07:32:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	344037	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	329075	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	121972	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	101230	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.93	69	91132	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.60	63	140952	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.71	46	267777	44.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.84%
24) Chloroform-d	5.11	84	187087	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.75	65	104697	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.77	84	383704	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.74	67	123409	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.93	98	361535	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.22	79	52706	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.69	63	218531	42.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.46%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	98827	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	12.23	152	110252	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

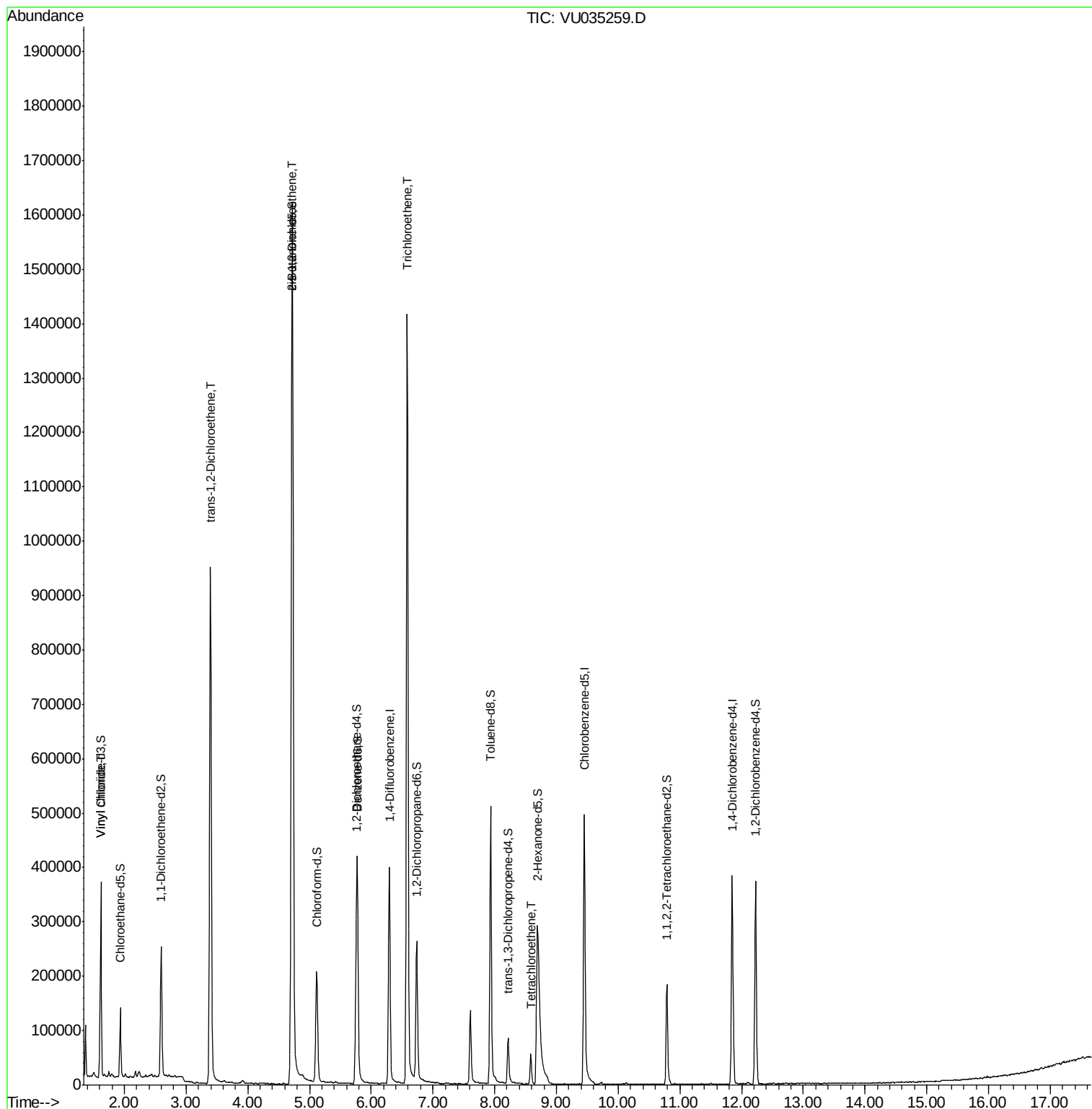
					Ovalue
5) Vinyl chloride	1.62	62	140908	4.724	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	415659	17.426	ug/L 96
22) cis-1,2-Dichloroethene	4.72	96	812391	30.814	ug/L 99
34) Trichloroethene	6.58	95	483941	18.591	ug/L 98
47) Tetrachloroethene	8.58	164	13593	0.627	ug/L 93

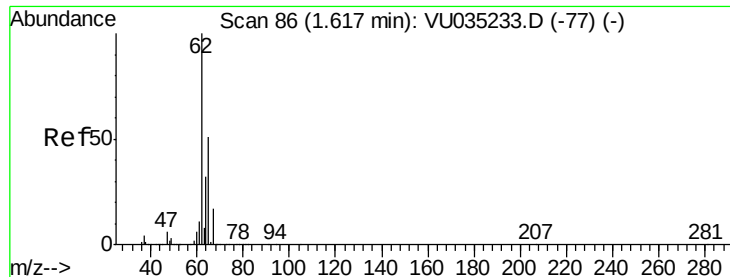
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.724 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035259.D

Acq: 18 Oct 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

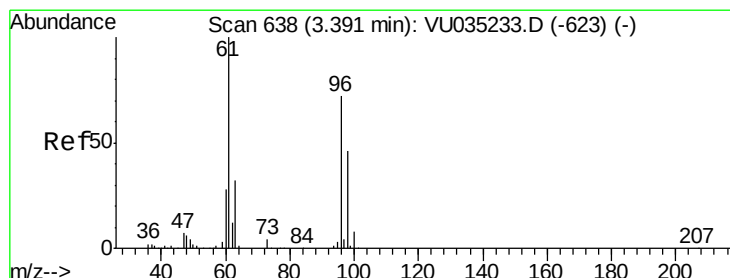
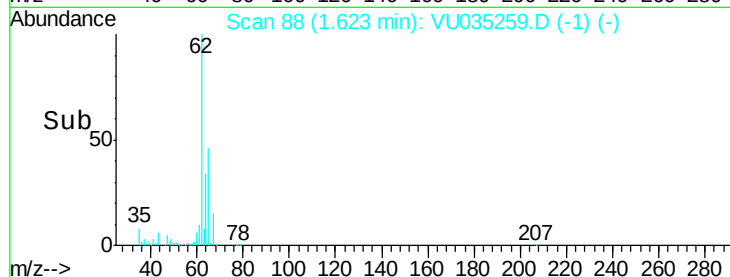
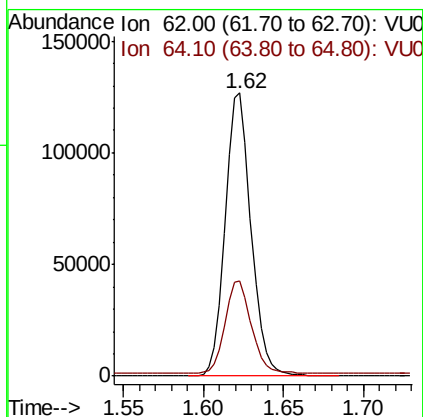
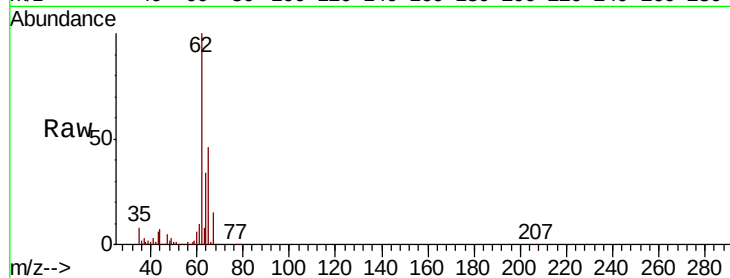
H0FY8

Tot Ion: 62 Resp: 140908

Ion Ratio Lower Upper

62 100

64 33.5 22.9 42.5



#18

trans-1,2-Dichloroethene

Concen: 17.426 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035259.D

Acq: 18 Oct 2019 11:04

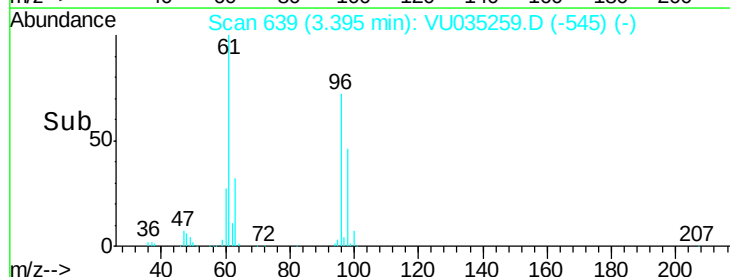
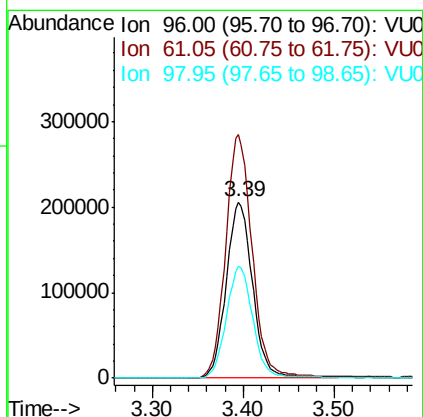
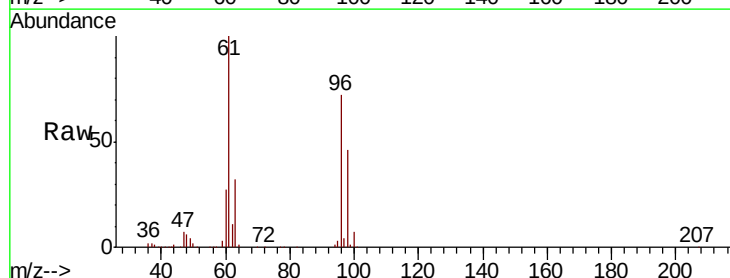
Tgt Ion: 96 Resp: 415659

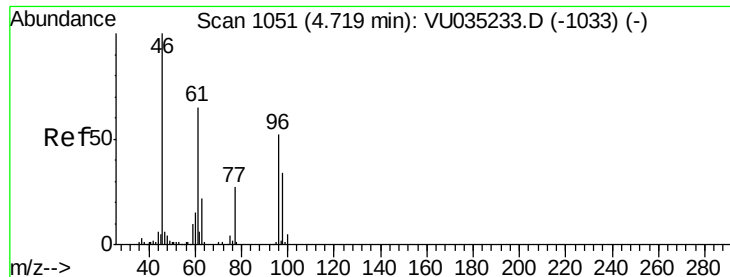
Ion Ratio Lower Upper

96 100

61 138.0 93.0 172.6

98 63.6 43.7 81.1





#22

cis-1,2-Dichloroethene

Concen: 30.814 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035259.D

Acq: 18 Oct 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

H0FY8

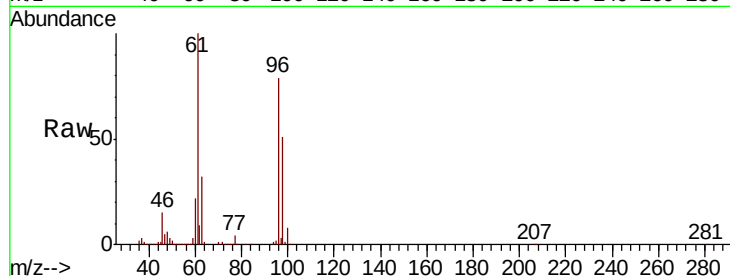
Tot Ion: 96 Resp: 812391

Ion Ratio Lower Upper

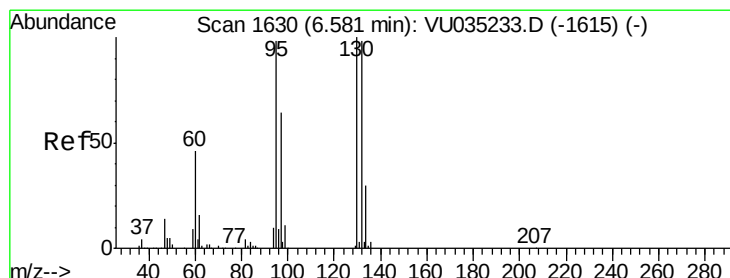
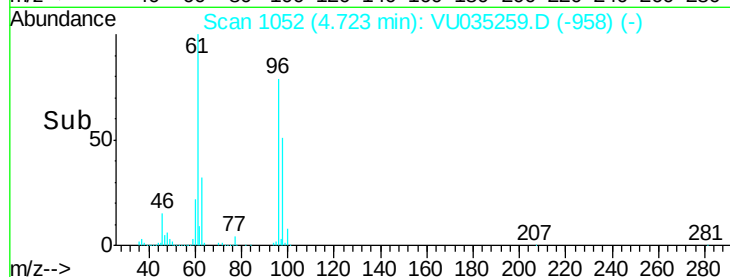
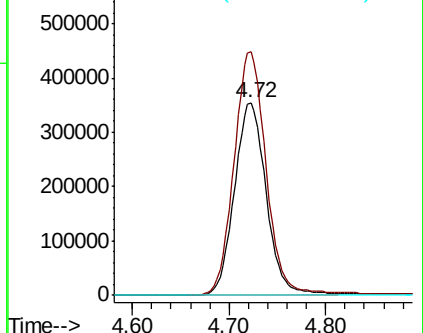
96 100

61 126.4 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



#34

Trichloroethene

Concen: 18.591 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035259.D

Acq: 18 Oct 2019 11:04

Tgt Ion: 95 Resp: 483941

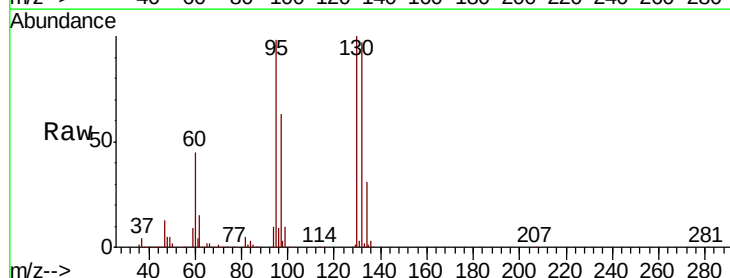
Ion Ratio Lower Upper

95 100

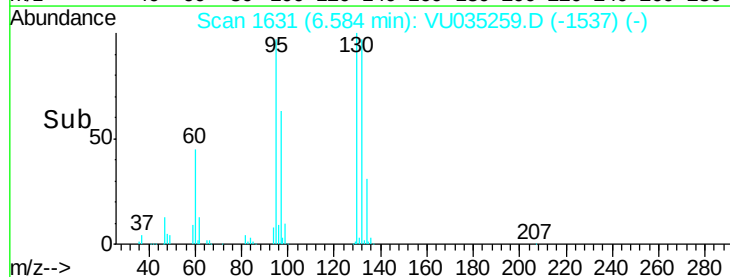
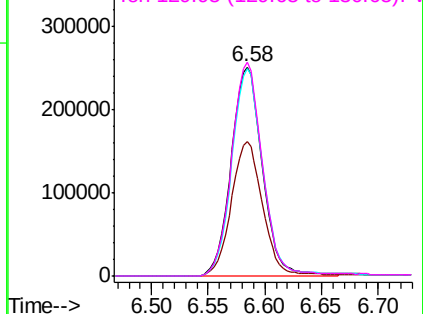
97 64.5 46.6 86.6

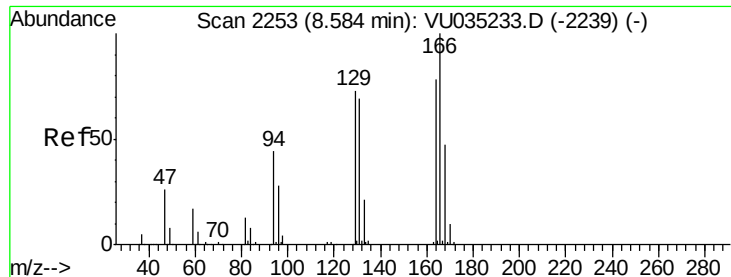
132 99.3 68.7 127.7

130 102.1 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





#47

Tetrachloroethene

Concen: 0.627 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035259.D

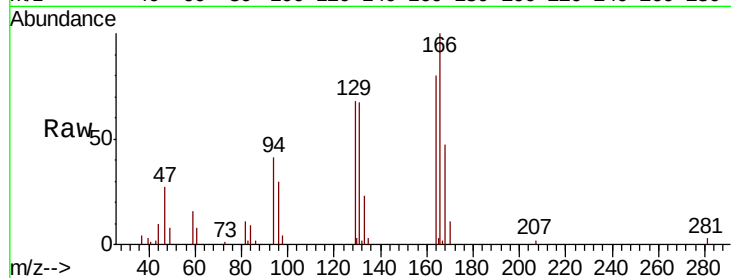
Acq: 18 Oct 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

H0FY8



Tot Ion:164 Resp: 13593

Ion Ratio Lower Upper

164 100

129 84.9 65.2 121.0

131 83.3 62.9 116.9

166 124.7 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

