

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
 Data File : VU031560.D
 Acq On : 27 Apr 2019 02:59
 Operator : JC/SP
 Sample : K2592-13 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X76

Quant Time: Apr 27 04:30:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 27 03:26:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	868672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	814792	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	322397	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	367831	50.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.18%
7) Chloroethane-d5	1.68	69	291619	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.82%
11) 1,1-Dichloroethene-d2	2.27	63	538802	37.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.42%
21) 2-Butanone-d5	4.18	46	697855	105.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.94%
24) Chloroform-d	4.64	84	627507	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.26%
26) 1,2-Dichloroethane-d4	5.31	65	414779	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
32) Benzene-d6	5.34	84	1277838	51.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.14%
36) 1,2-Dichloropropane-d6	6.33	67	443295	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.72%
41) Toluene-d8	7.56	98	1086112	49.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.68%
43) trans-1,3-Dichloropropene-	7.85	79	174421	46.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.32%
47) 2-Hexanone-d5	8.31	63	432510	113.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	567130	48.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.02%
64) 1,2-Dichlorobenzene-d4	11.85	152	347303	51.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.44%

Target Compounds

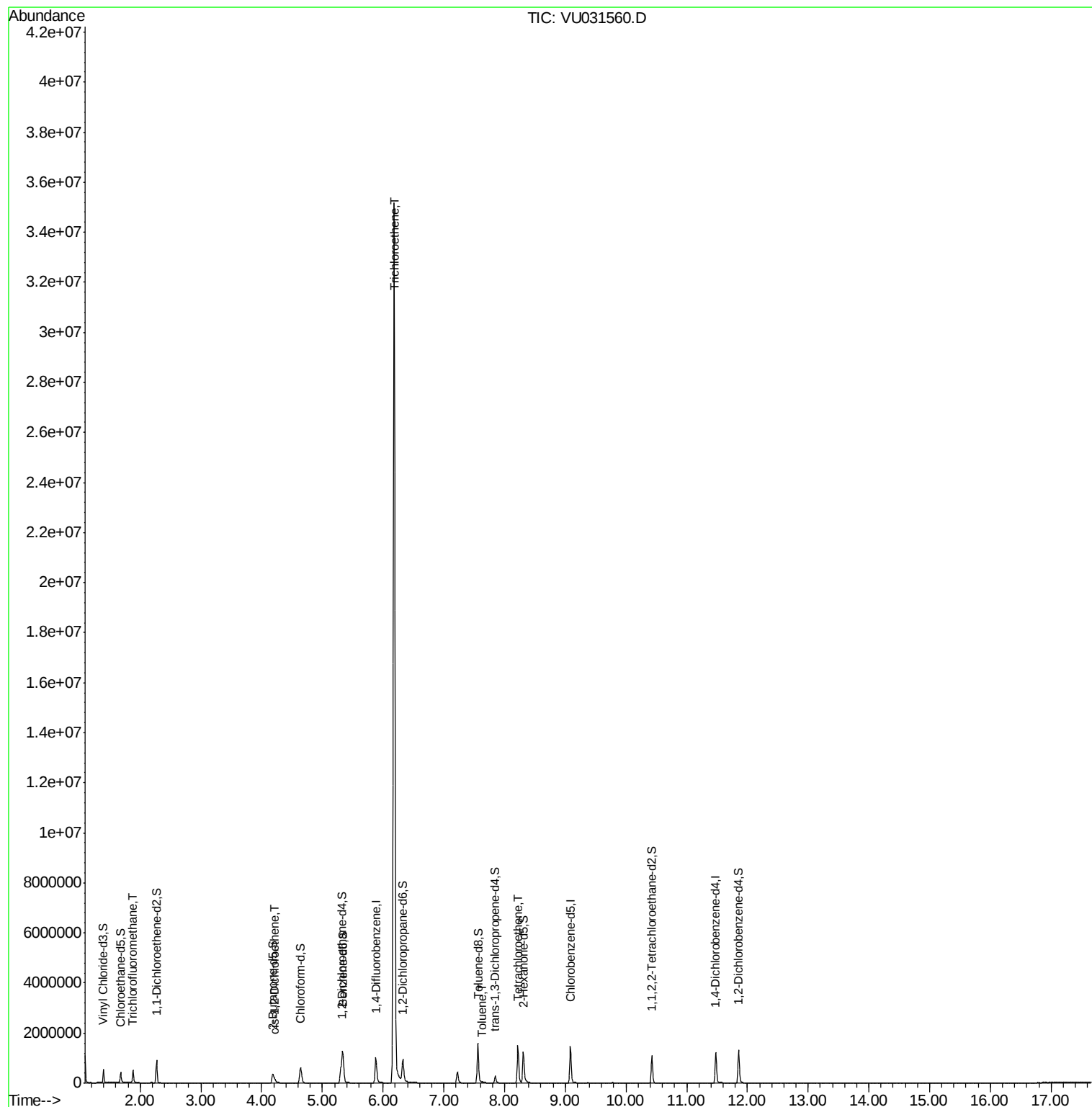
					Ovalue
9) Trichlorofluoromethane	1.88	101	299402	24.307 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	10965	1.447 ug/L	81
34) Trichloroethene	6.18	95	12867830	1772.042 ug/L	99
42) Toluene	7.64	91	20542	0.688 ug/L	99
46) Tetrachloroethene	8.22	164	333515	67.370 ug/L	98

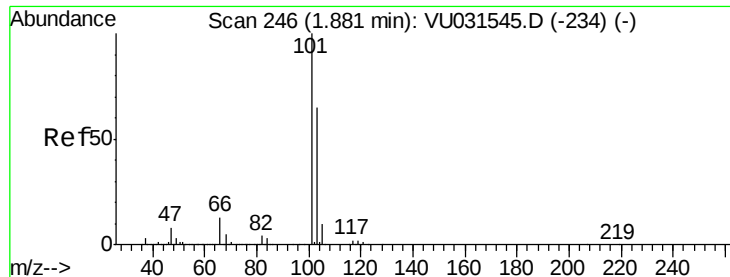
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 24.307 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

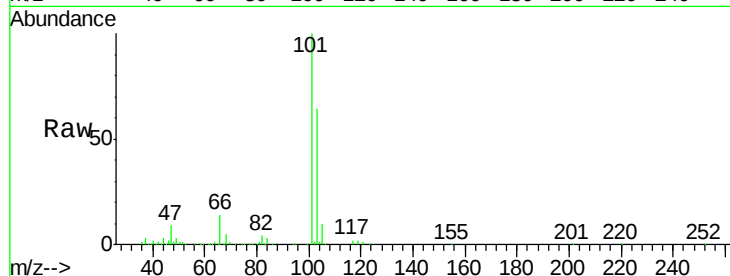
C0X76

Tot Ion:101 Resp: 299402

Ion Ratio Lower Upper

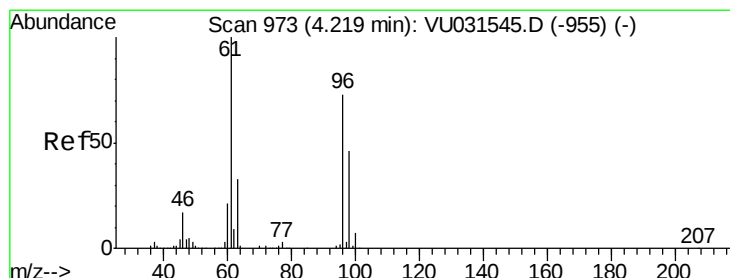
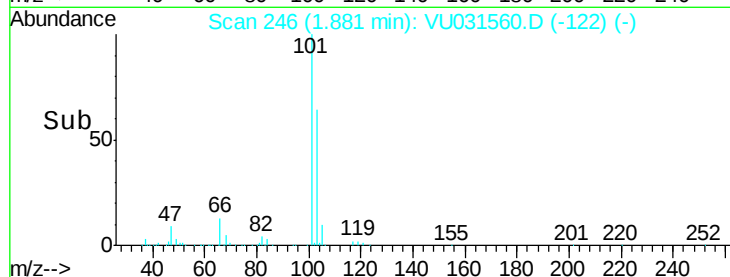
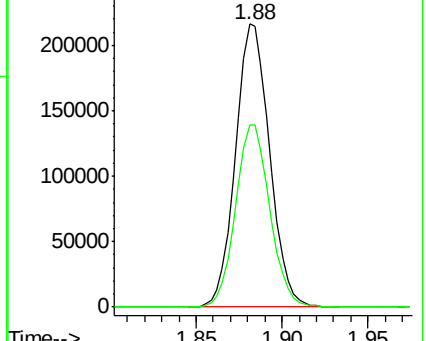
101 100

103 64.4 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#20

cis-1,2-Dichloroethene

Concen: 1.447 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

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Acq: 27 Apr 2019 02:59

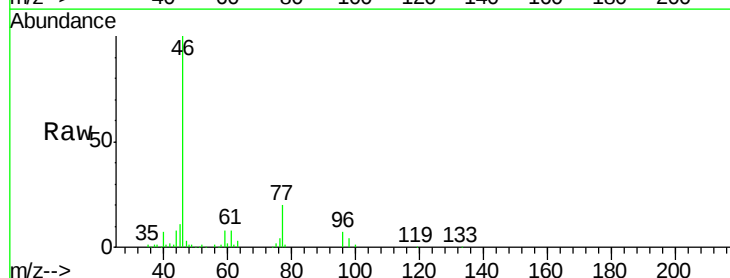
Tgt Ion: 96 Resp: 10965

Ion Ratio Lower Upper

96 100

61 118.3 99.5 184.7

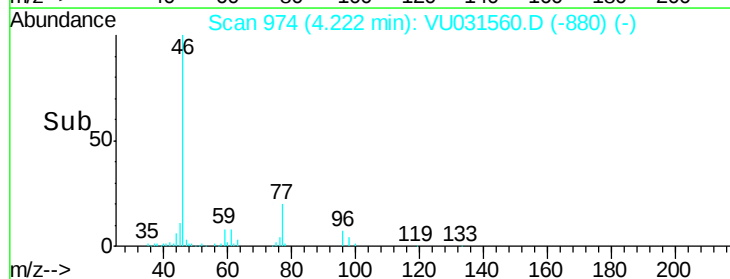
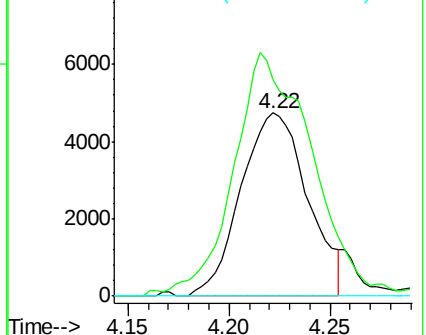
68 0.0 0.0 0.0

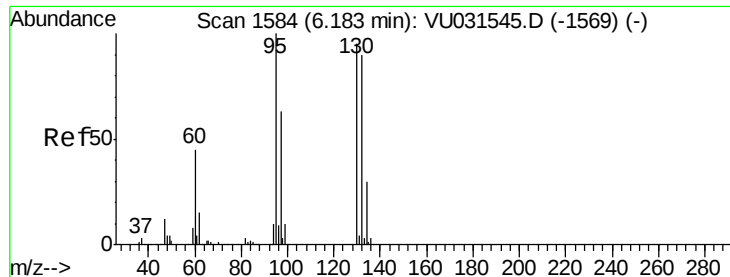


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 1772.042 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031560.D

Acq: 27 Apr 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

C0X76

Tot Ion: 95 Resp:12867830

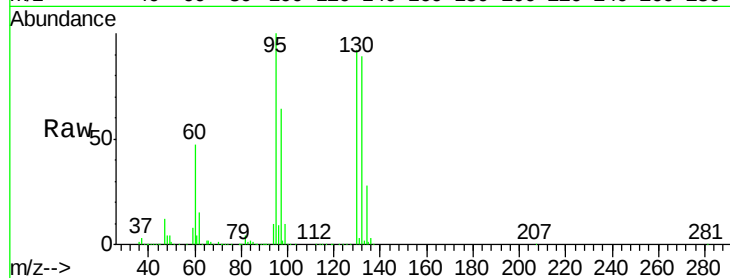
Ion Ratio Lower Upper

95 100

97 64.3 44.8 83.2

132 89.2 63.1 117.1

130 92.5 66.5 123.5

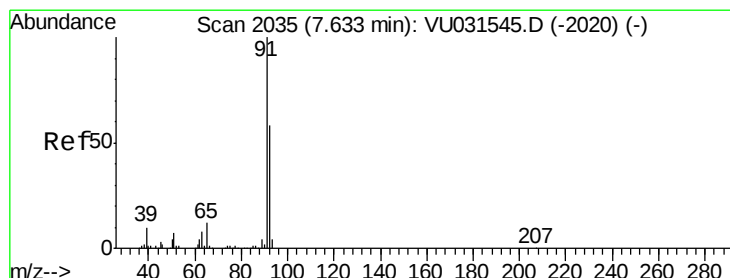
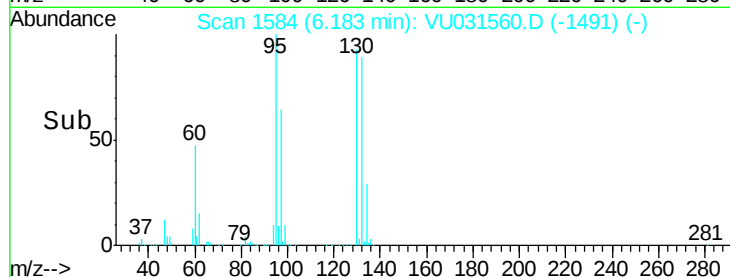
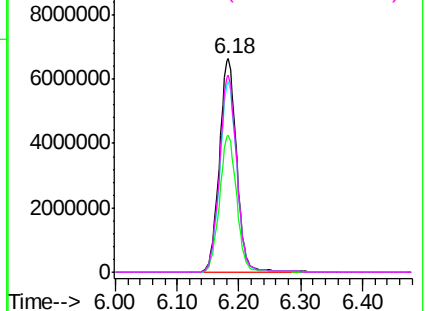


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

Toluene

Concen: 0.688 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031560.D

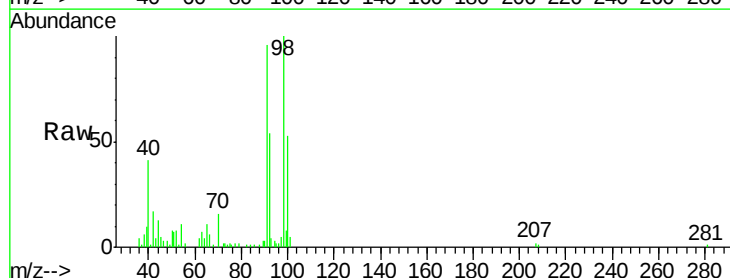
Acq: 27 Apr 2019 02:59

Tgt Ion: 91 Resp: 20542

Ion Ratio Lower Upper

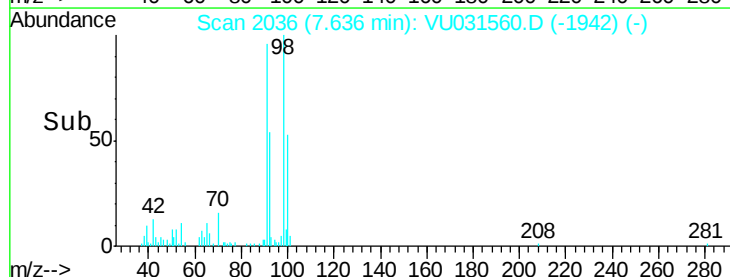
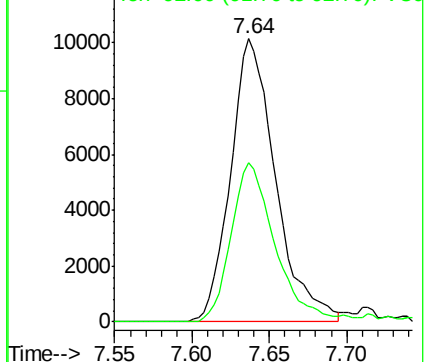
91 100

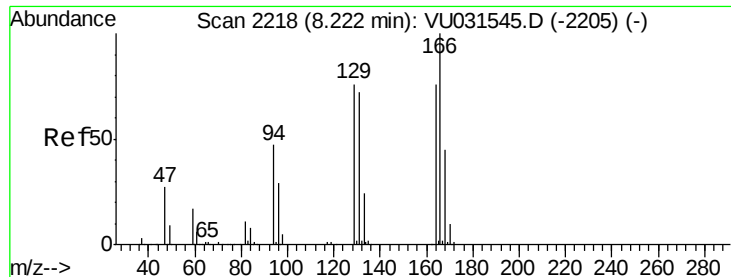
92 56.4 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 67.370 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031560.D

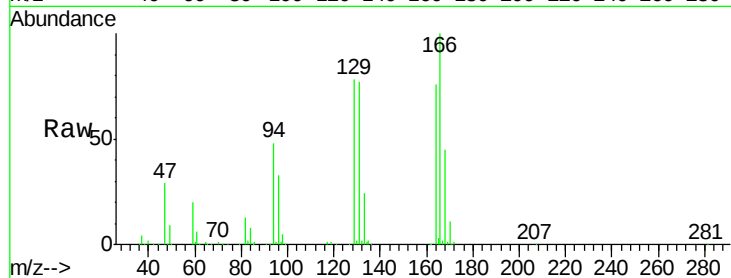
Acq: 27 Apr 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

C0X76



Tot Ion:164 Resp: 333515

Ion Ratio Lower Upper

164 100

129 101.8 71.5 132.9

131 100.3 69.0 128.2

166 131.0 93.7 173.9

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

