

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121719\
 Data File : VU036252.D
 Acq On : 17 Dec 2019 12:30
 Operator : JC/MD
 Sample : K6234-13DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE64DL

Quant Time: Dec 19 00:36:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 18 09:02:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	230013	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	264971	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	81400	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	81950	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.93	69	83739	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.59	63	90878	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.68	46	186952	49.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.54%
24) Chloroform-d	5.11	84	122162	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.00%
26) 1,2-Dichloroethane-d4	5.75	65	84745	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.77	84	279533	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.73	67	94583	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.93	98	228824	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	8.21	79	34525	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.69	63	153024	46.35	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.70%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	87545	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	73461	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

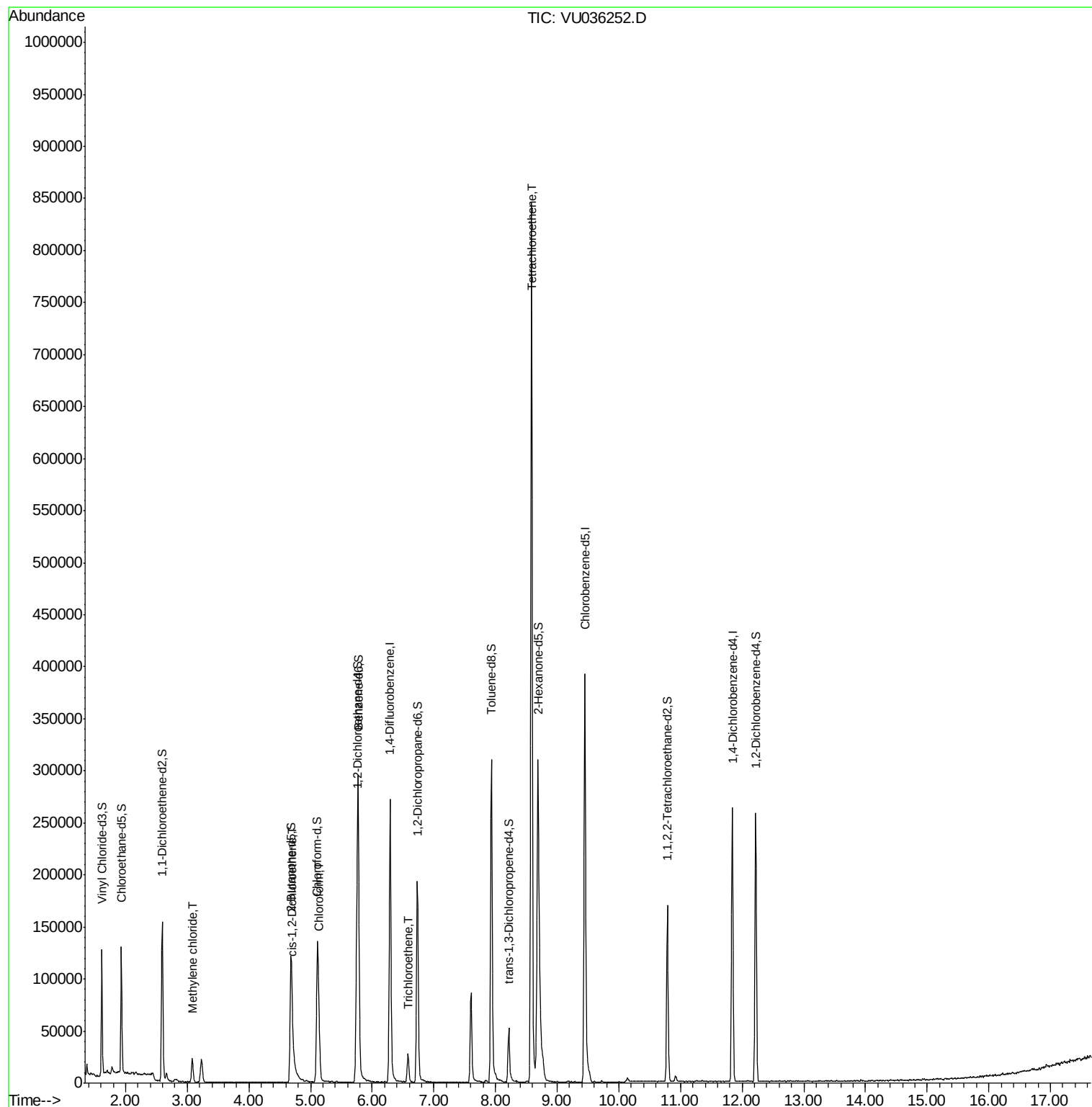
					Ovalue
16) Methylene chloride	3.08	84	11625	0.463 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	3391	0.177 ug/L	85
25) Chloroform	5.14	83	38239	1.071 ug/L	99
34) Trichloroethene	6.58	95	9623	0.458 ug/L	89
47) Tetrachloroethene	8.58	164	208022	10.971 ug/L	95

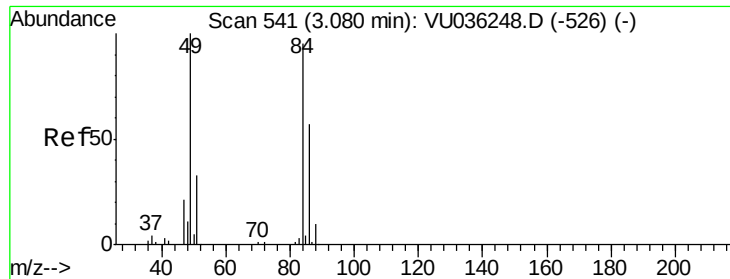
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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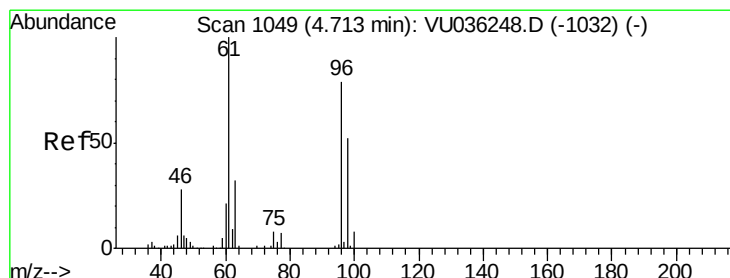
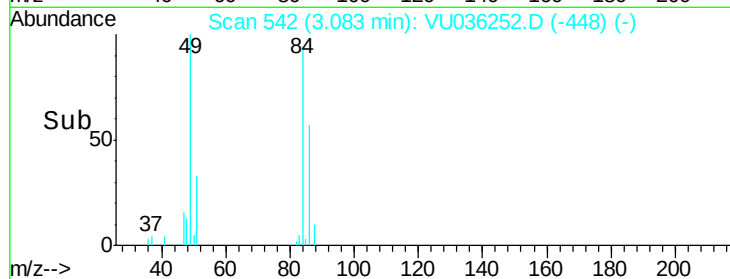
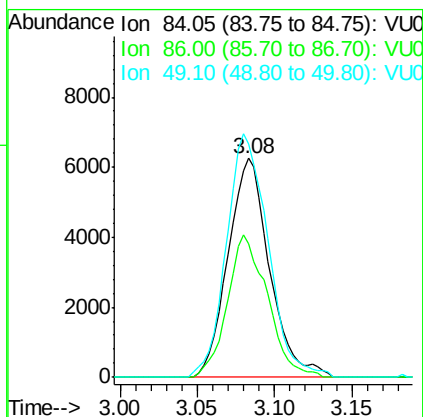
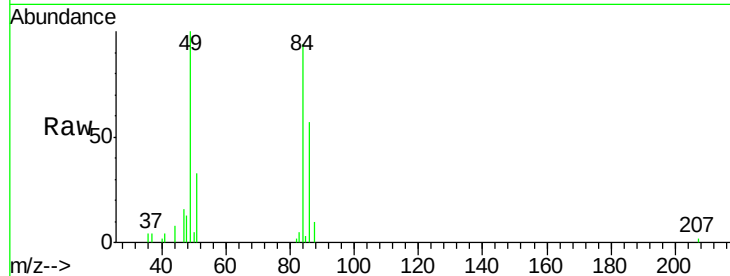




#16
Methylene chloride
Concen: 0.463 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036252.D
Acq: 17 Dec 2019 12:30

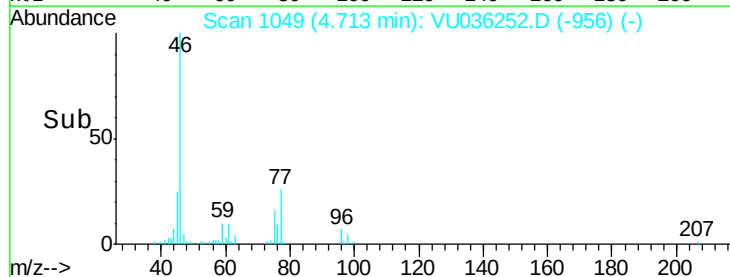
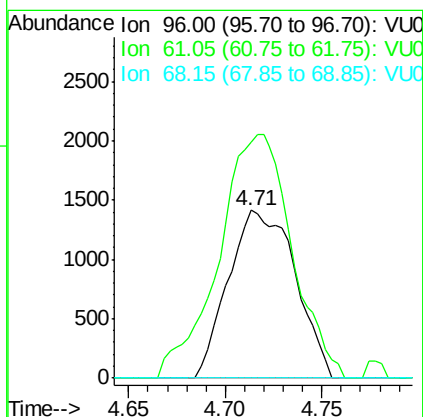
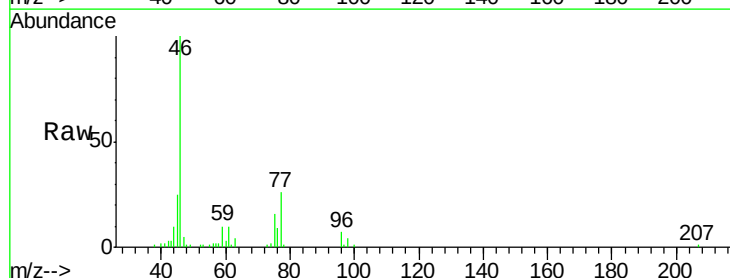
Instrument :
MSVOA_U
ClientSampleId :
BFE64DL

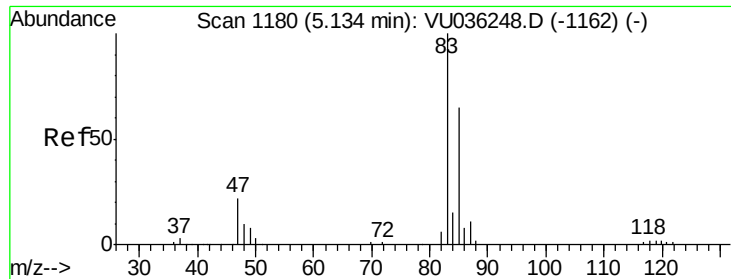
Tot Ion: 84 Resp: 11625
Ion Ratio Lower Upper
84 100
86 60.8 43.0 79.8
49 106.8 77.3 143.5



#22
cis-1,2-Dichloroethene
Concen: 0.177 ug/L
RT: 4.71 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU036252.D
Acq: 17 Dec 2019 12:30

Tgt Ion: 96 Resp: 3391
Ion Ratio Lower Upper
96 100
61 140.6 86.7 161.1
68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.071 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036252.D

Acq: 17 Dec 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

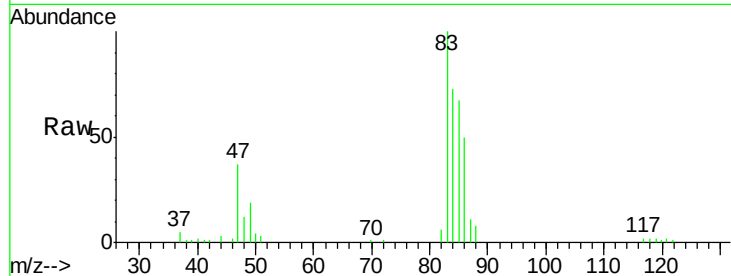
BFE64DL

Tot Ion: 83 Resp: 38239

Ion Ratio Lower Upper

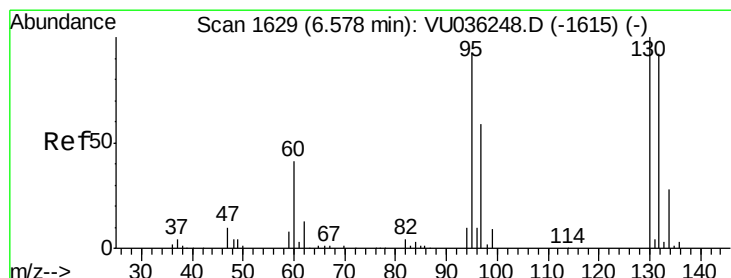
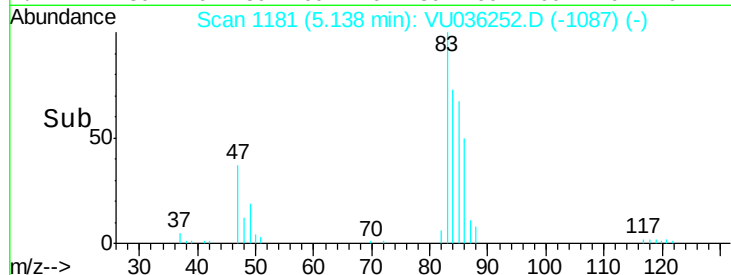
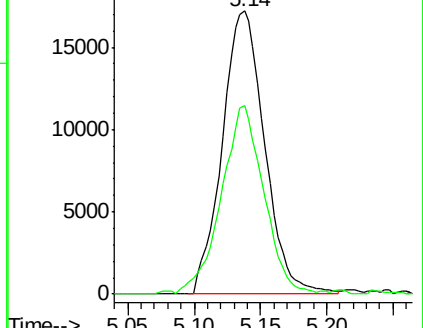
83 100

85 66.7 47.5 88.1



Abundance Ion 83.05 (82.75 to 83.75): VU036248.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU036248.D (-1162) (-)



#34

Trichloroethene

Concen: 0.458 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036252.D

Acq: 17 Dec 2019 12:30

Tgt Ion: 95 Resp: 9623

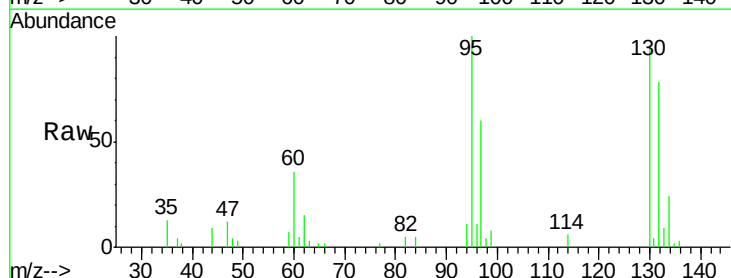
Ion Ratio Lower Upper

95 100

97 59.6 43.6 81.0

132 78.2 69.6 129.2

130 96.0 70.3 130.7

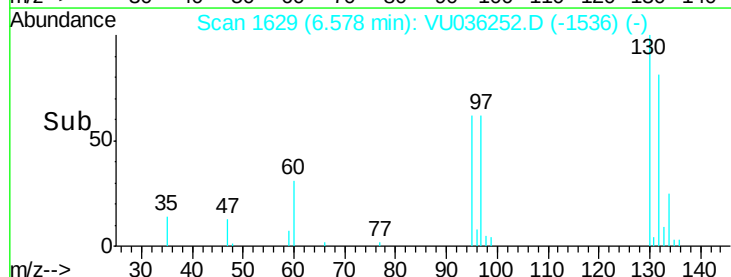
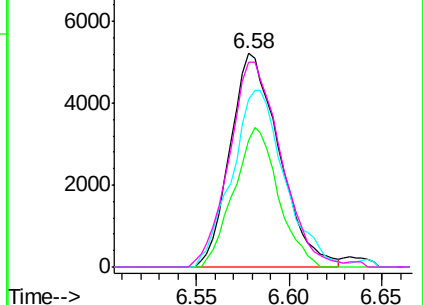


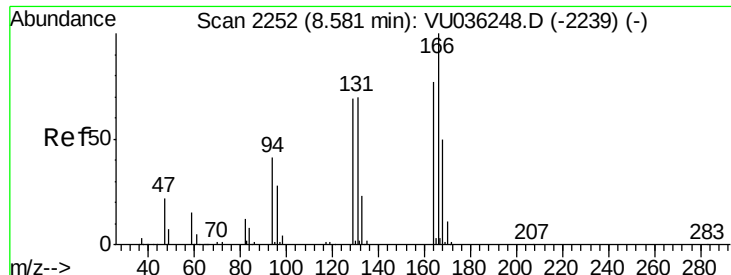
Abundance Ion 95.00 (94.70 to 95.70): VU036248.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU036248.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU036248.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU036248.D (-1615) (-)





#47

Tetrachloroethene

Concen: 10.971 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036252.D

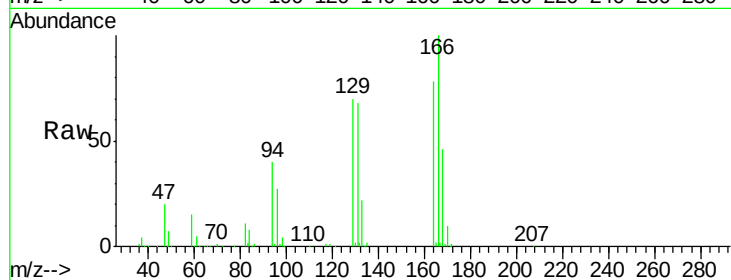
Acq: 17 Dec 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

BFE64DL



Tot Ion:164 Resp: 208022

Ion Ratio Lower Upper

164 100

129 89.1 64.2 119.2

131 86.8 66.6 123.8

166 127.8 93.1 172.9

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

