

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
 Data File : VU033743.D
 Acq On : 11 Aug 2019 11:42
 Operator : JC/SP
 Sample : K4289-13DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B37DL

Quant Time: Aug 12 05:07:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 04:45:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	295410	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	298077	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	139901	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	111827	51.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.84%
7) Chloroethane-d5	1.67	69	93354	42.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.66%
11) 1,1-Dichloroethene-d2	2.26	63	148190	40.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.06%
21) 2-Butanone-d5	4.14	46	153604	113.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.94%
24) Chloroform-d	4.62	84	175653	54.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.74%
26) 1,2-Dichloroethane-d4	5.29	65	112443	55.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.32%
32) Benzene-d6	5.32	84	362464	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
36) 1,2-Dichloropropane-d6	6.31	67	113480	52.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.14%
41) Toluene-d8	7.55	98	318047	48.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.14%
43) trans-1,3-Dichloropropene-	7.83	79	52829	48.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.92%
47) 2-Hexanone-d5	8.29	63	110309	98.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.65%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	168408	52.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.46%
64) 1,2-Dichlorobenzene-d4	11.84	152	125613	53.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.70%

Target Compounds

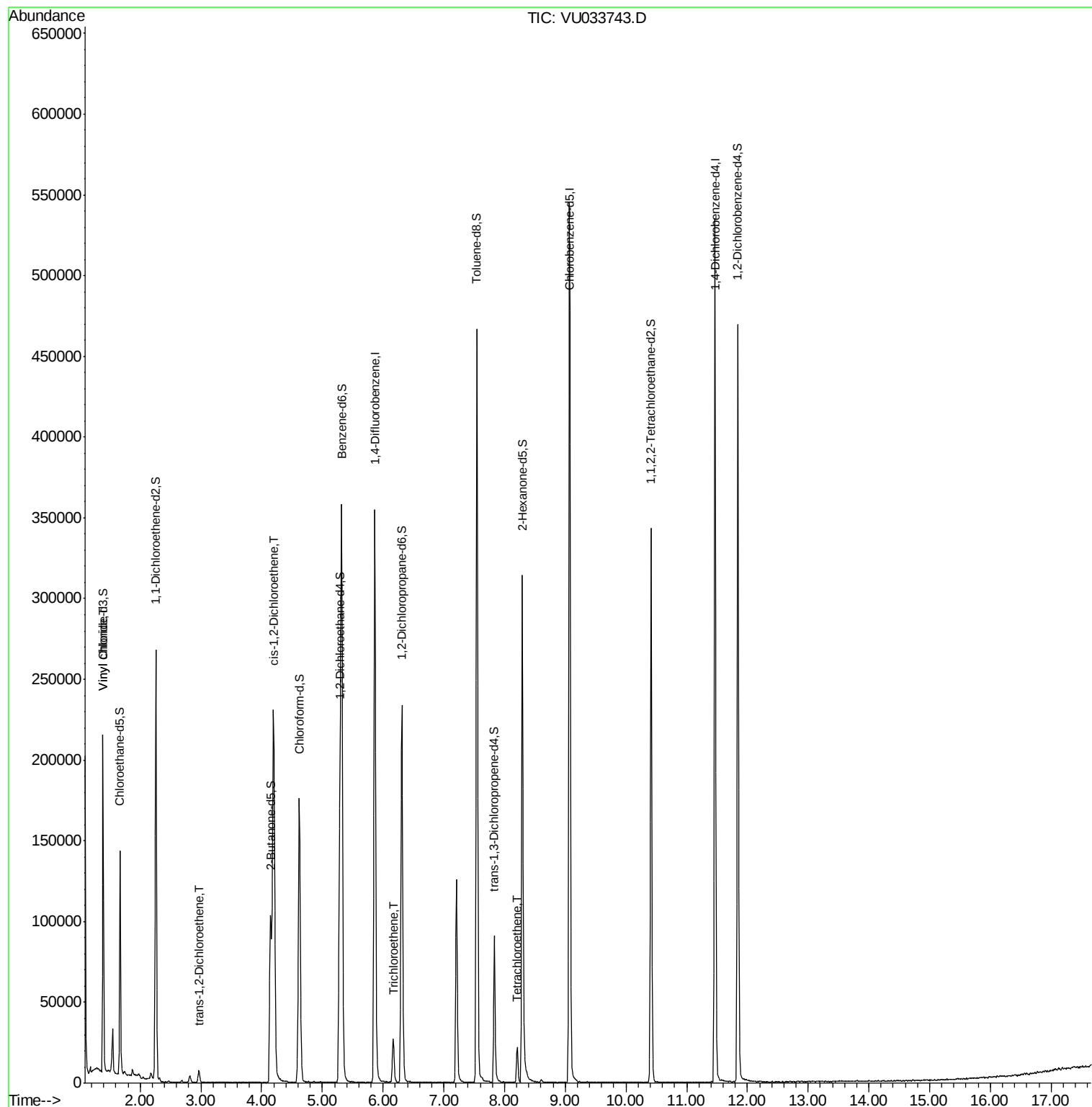
					Ovalue
5) Vinyl chloride	1.39	62	31276	12.577 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	3216	1.727 ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	131449	61.898 ug/L	98
34) Trichloroethene	6.17	95	9085	4.151 ug/L	93
46) Tetrachloroethene	8.21	164	5032	2.789 ug/L	95

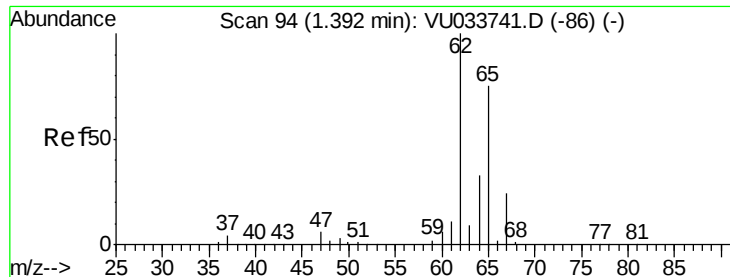
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 12 04:45:27 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 12.577 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033743.D

Acq: 11 Aug 2019 11:42

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MSVOA_U

ClientSampleID :

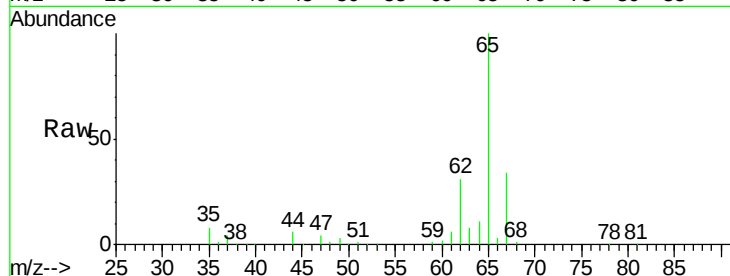
F2B37DL

Tot Ion: 62 Resp: 31276

Ion Ratio Lower Upper

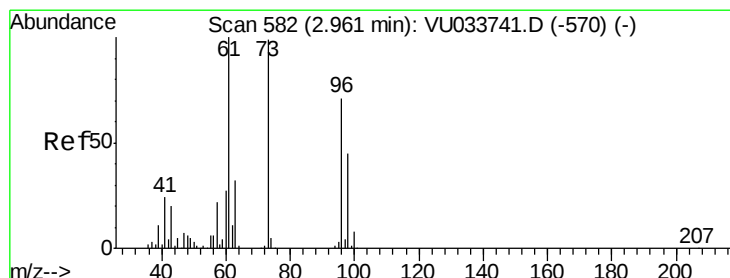
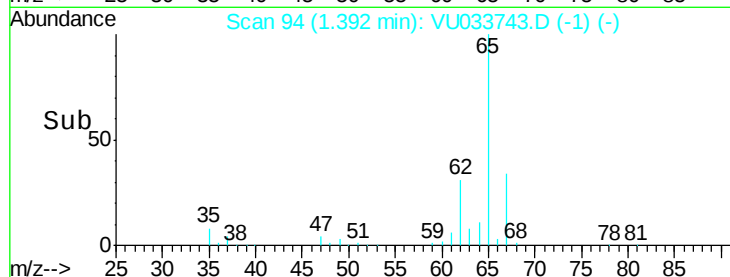
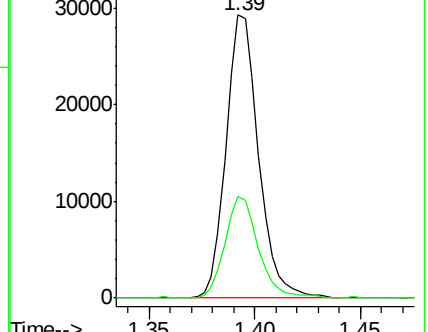
62 100

64 35.9 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033743.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033743.D (-86) (-)



#17

trans-1,2-Dichloroethene

Concen: 1.727 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033743.D

Acq: 11 Aug 2019 11:42

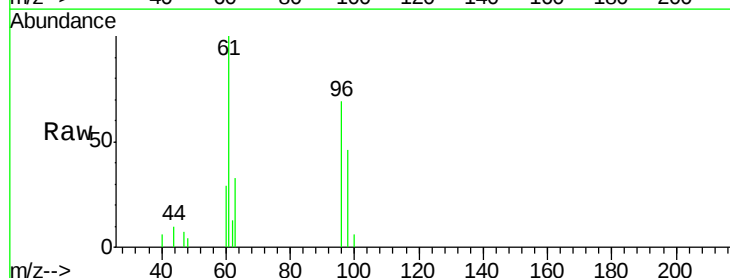
Tgt Ion: 96 Resp: 3216

Ion Ratio Lower Upper

96 100

61 145.6 95.6 177.6

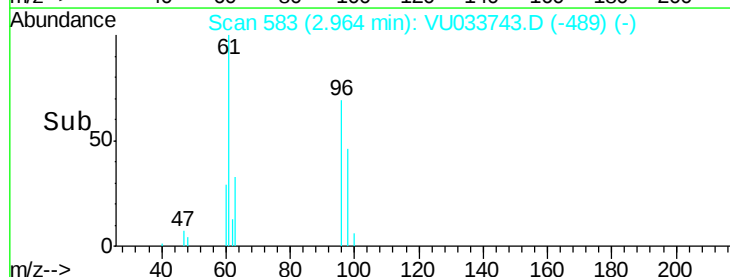
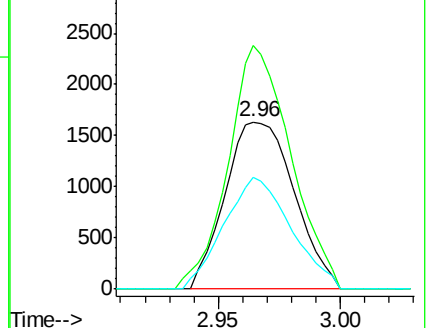
98 66.7 44.6 82.8

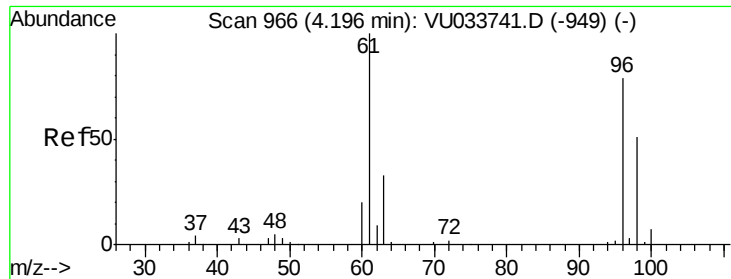


Abundance Ion 96.00 (95.70 to 96.70): VU033743.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033743.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033743.D (-570) (-)

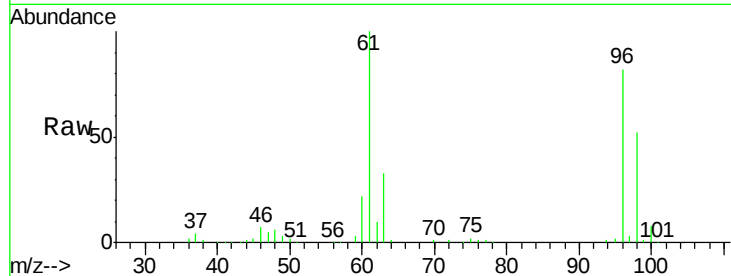




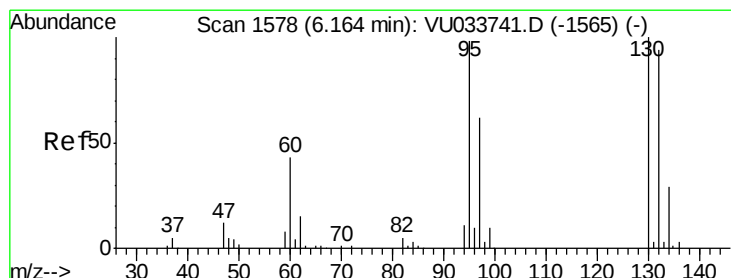
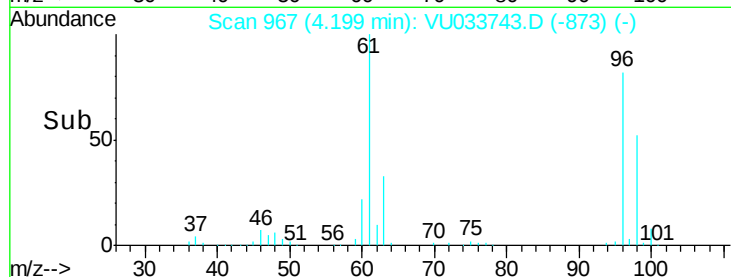
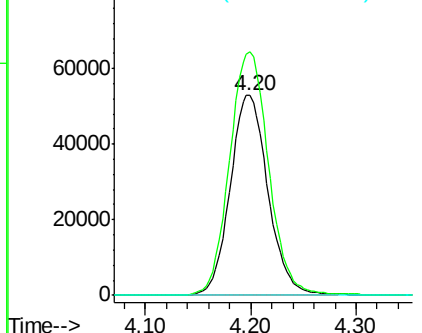
#20
 cis-1,2-Dichloroethene
 Concen: 61.898 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033743.D
 Acq: 11 Aug 2019 11:42

Instrument :
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Tot Ion: 96 Resp: 131449
 Ion Ratio Lower Upper
 96 100
 61 121.9 87.0 161.6
 68 0.0 0.0 0.0

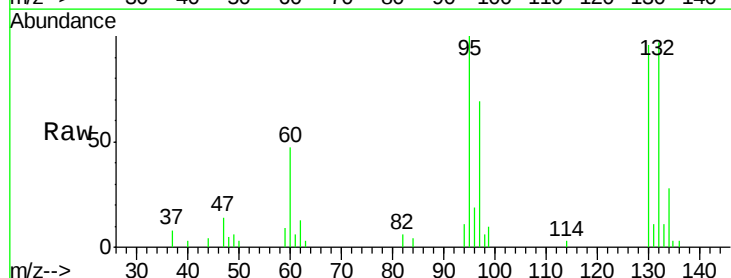


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

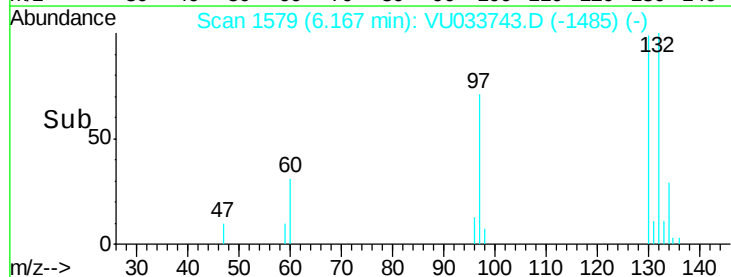
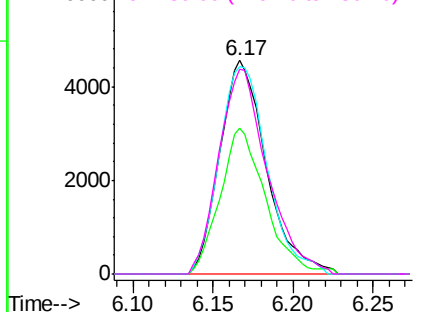


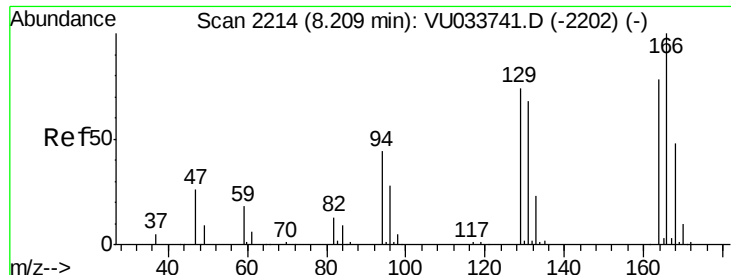
#34
 Trichloroethene
 Concen: 4.151 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033743.D
 Acq: 11 Aug 2019 11:42

Tgt Ion: 95 Resp: 9085
 Ion Ratio Lower Upper
 95 100
 97 68.6 45.6 84.8
 132 97.3 72.0 133.8
 130 96.1 74.3 138.1



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





#46

Tetrachloroethene

Concen: 2.789 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033743.D

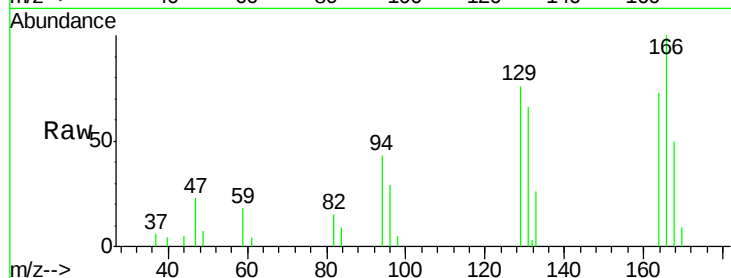
Acq: 11 Aug 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

F2B37DL



Tot Ion:164 Resp: 5032

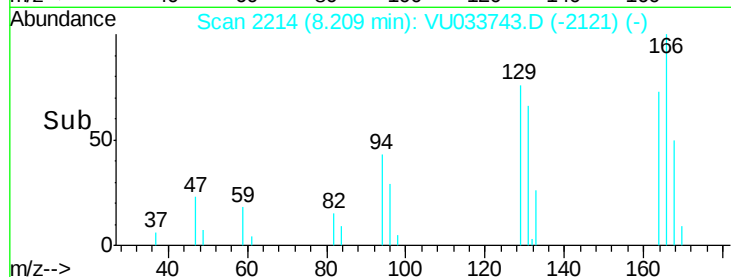
Ion Ratio Lower Upper

164 100

129 104.0 65.5 121.7

131 90.1 63.6 118.0

166 136.7 92.7 172.3



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

