

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080919\
 Data File : VU033711.D
 Acq On : 10 Aug 2019 02:22
 Operator : JC/SP
 Sample : K4289-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B18

Quant Time: Aug 12 03:30:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 10 04:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	348048	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	336237	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	167799	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	117835	45.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.98%
7) Chloroethane-d5	1.67	69	114911	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.50%
11) 1,1-Dichloroethene-d2	2.26	63	161471	37.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.96%
21) 2-Butanone-d5	4.16	46	248848	156.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	156.67%#
24) Chloroform-d	4.62	84	232835	61.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.34%
26) 1,2-Dichloroethane-d4	5.29	65	153835	64.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	129.26%#
32) Benzene-d6	5.32	84	468920	59.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.18%
36) 1,2-Dichloropropane-d6	6.31	67	156000	64.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	128.12%#
41) Toluene-d8	7.55	98	414033	55.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.94%
43) trans-1,3-Dichloropropene-	7.83	79	71139	57.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.70%
47) 2-Hexanone-d5	8.29	63	185989	147.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	147.45%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	239872	66.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	133.18%#
64) 1,2-Dichlorobenzene-d4	11.84	152	178350	63.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	126.30%#

Target Compounds

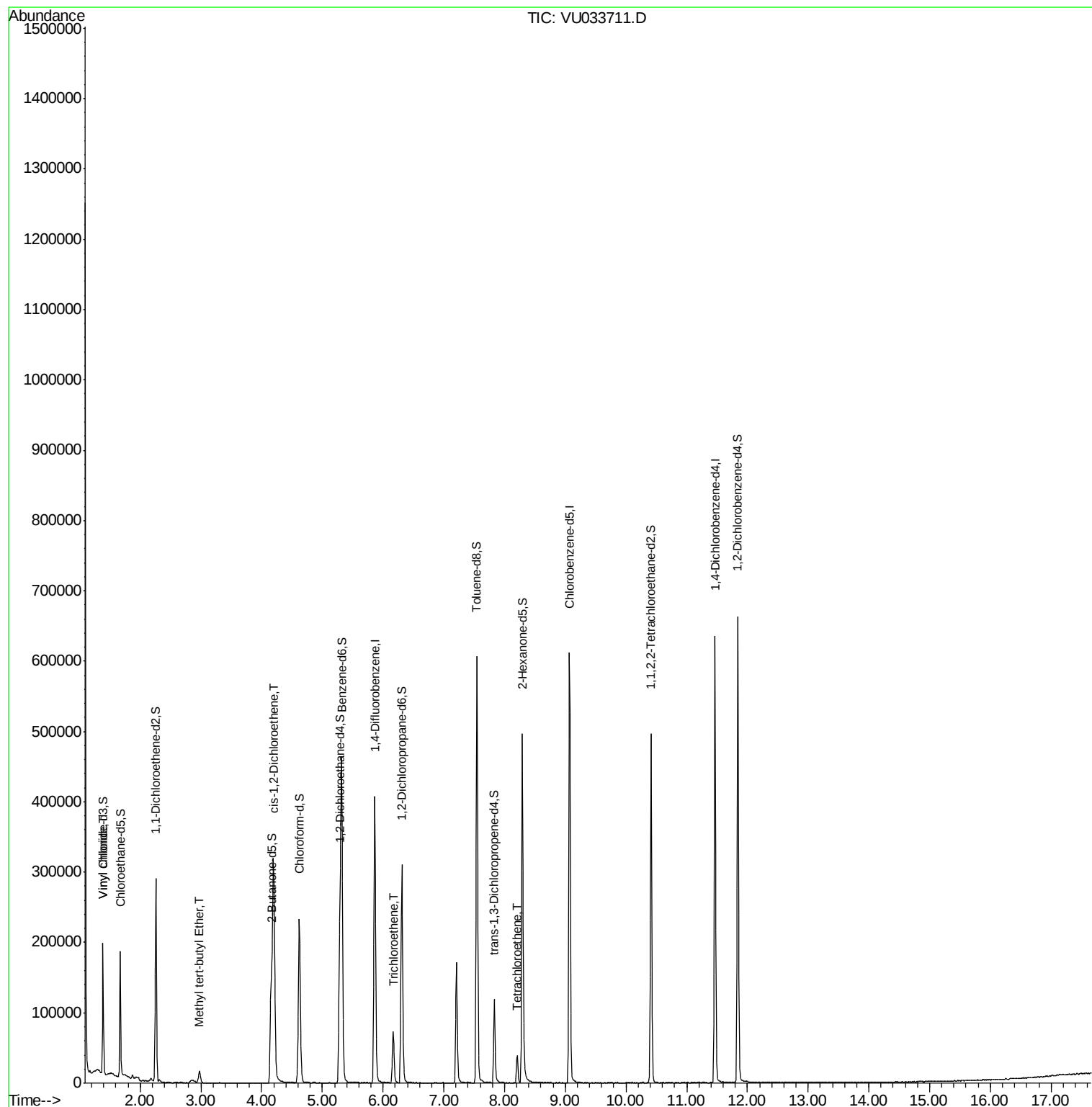
					Qvalue
5) Vinyl chloride	1.39	62	6223	2.124 ug/L	# 53
18) Methyl tert-butyl Ether	2.98	73	15238	2.124 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	168531	67.358 ug/L	98
34) Trichloroethene	6.17	95	25498	10.327 ug/L	95
46) Tetrachloroethene	8.21	164	9286	4.563 ug/L	97

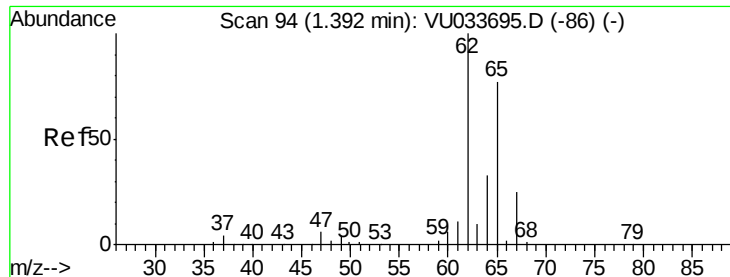
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 10 04:26:55 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.124 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033711.D

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ClientSampleId :

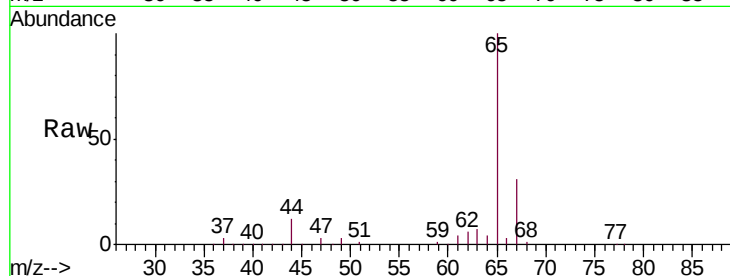
F2B18

Tgt Ion: 62 Resp: 6223

Ion Ratio Lower Upper

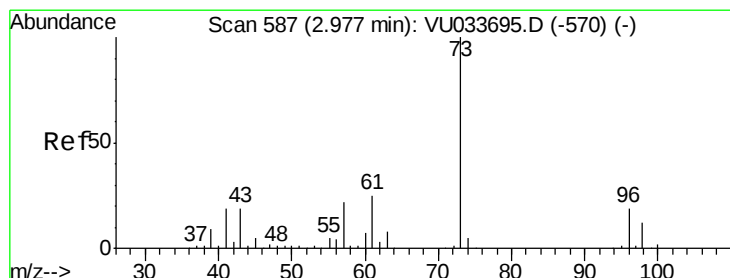
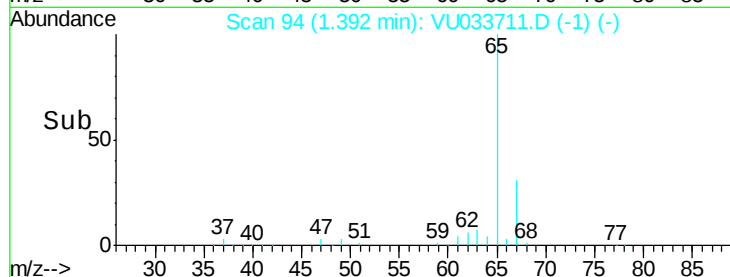
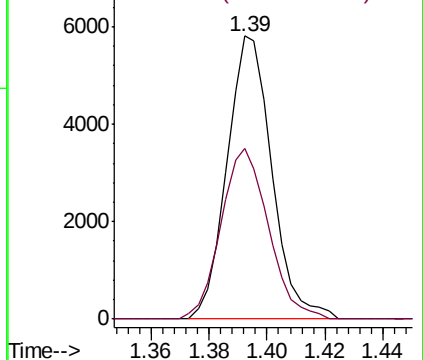
62 100

64 60.5 23.7 43.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#18

Methyl tert-butyl Ether

Concen: 2.124 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033711.D

Acq: 10 Aug 2019 02:22

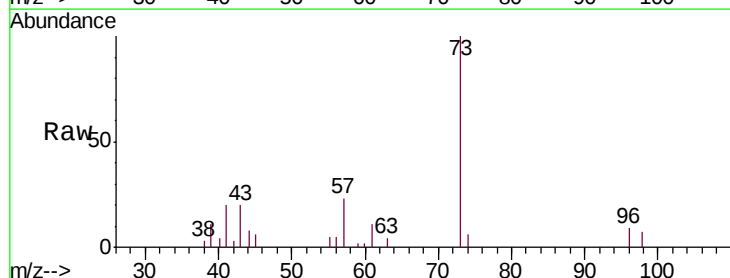
Tgt Ion: 73 Resp: 15238

Ion Ratio Lower Upper

73 100

43 22.2 15.1 22.7

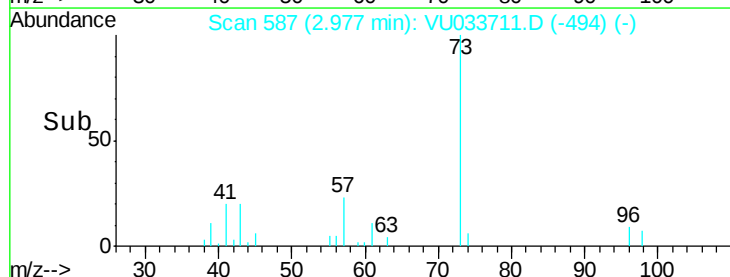
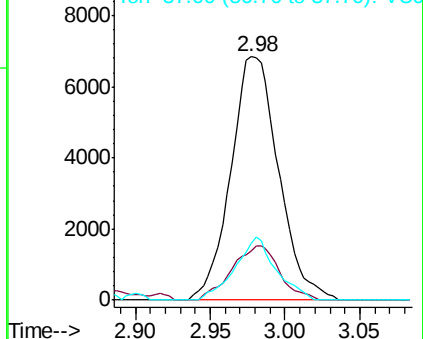
57 22.1 17.4 26.0

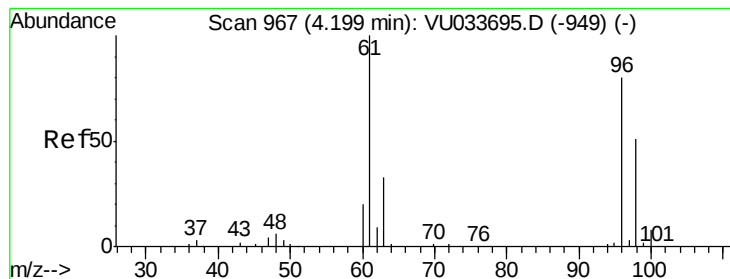


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



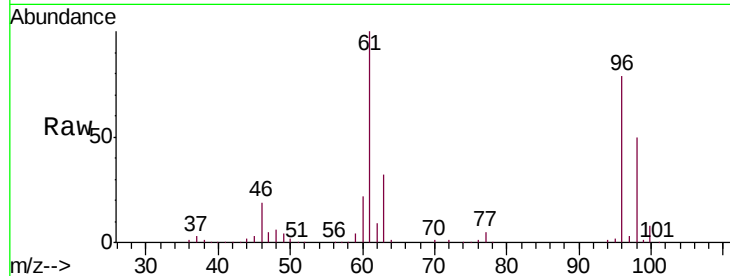


#20

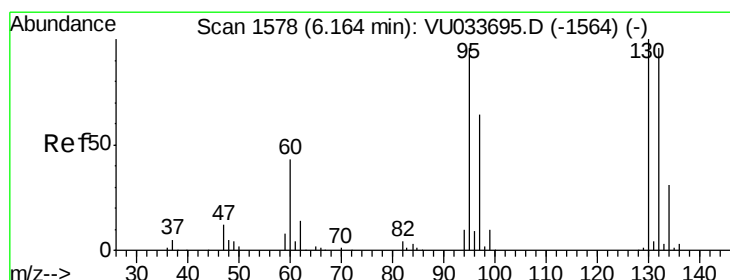
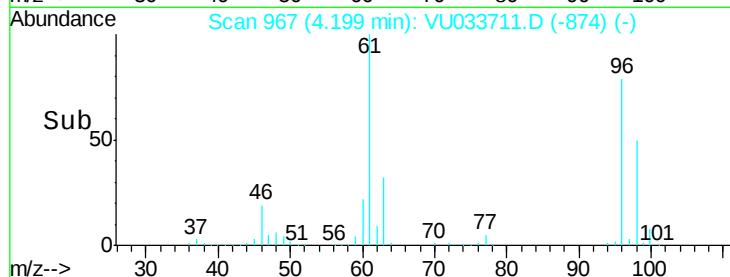
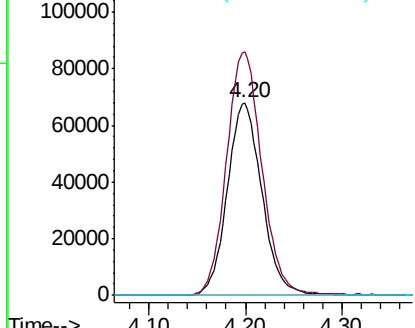
cis-1,2-Dichloroethene
Concen: 67.358 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033711.D
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Tgt Ion: 96 Resp: 168531
Ion Ratio Lower Upper
96 100
61 126.4 87.0 161.6
68 0.0 0.0 0.0



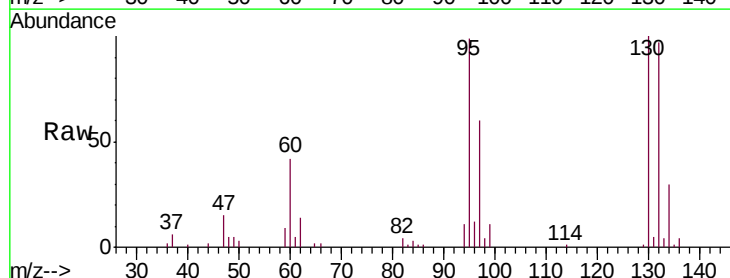
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



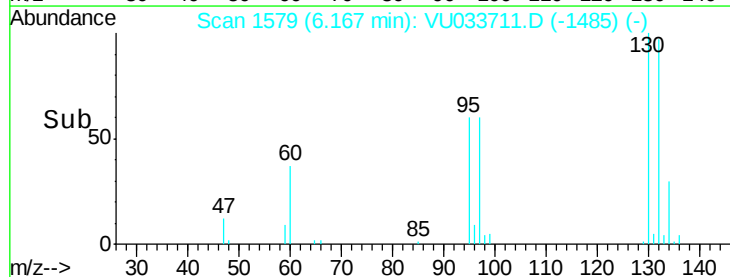
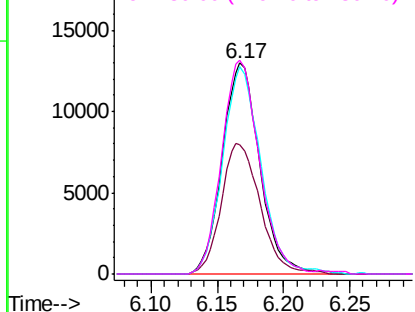
#34

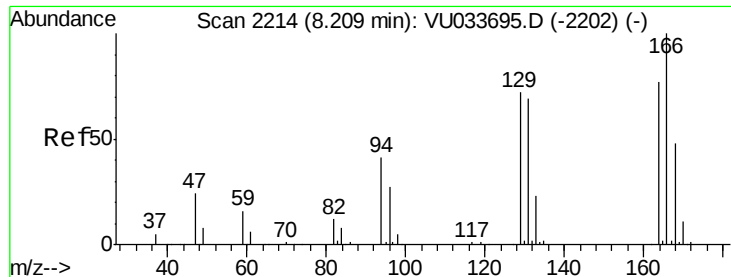
Trichloroethene
Concen: 10.327 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU033711.D
Acq: 10 Aug 2019 02:22

Tgt Ion: 95 Resp: 25498
Ion Ratio Lower Upper
95 100
97 61.2 45.6 84.8
132 98.1 72.0 133.8
130 101.3 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: 4.563 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033711.D

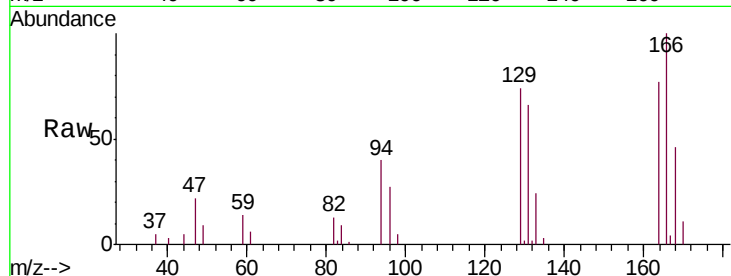
Acq: 10 Aug 2019 02:22

Instrument :

MSVOA_U

ClientSampleId :

F2B18



Tgt Ion:164 Resp: 9286

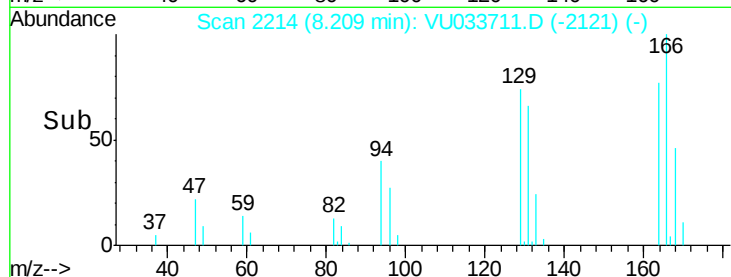
Ion Ratio Lower Upper

164 100

129 95.9 65.5 121.7

131 85.5 63.6 118.0

166 129.7 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

