

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
 Data File : VU027834.D
 Acq On : 26 Oct 2018 15:28
 Operator : MD/SY
 Sample : J5668-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETBR3

Quant Time: Oct 27 03:35:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 27 01:41:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	121179	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	111693	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	51287	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	32636	34.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.22%
7) Chloroethane-d5	1.68	69	27625	38.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.12%
11) 1,1-Dichloroethene-d2	2.28	63	48979	28.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.68%#
21) 2-Butanone-d5	4.18	46	82638	102.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.85%
24) Chloroform-d	4.65	84	72451	42.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.48%
26) 1,2-Dichloroethane-d4	5.31	65	52480	44.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.42%
32) Benzene-d6	5.34	84	137009	43.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.14%
36) 1,2-Dichloropropane-d6	6.33	67	50833	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.52%
41) Toluene-d8	7.57	98	120645	41.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.24%
43) trans-1,3-Dichloropropene-	7.85	79	22529	40.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.70%
47) 2-Hexanone-d5	8.31	63	60070	103.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	68834	46.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	46693	44.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.90%

Target Compounds

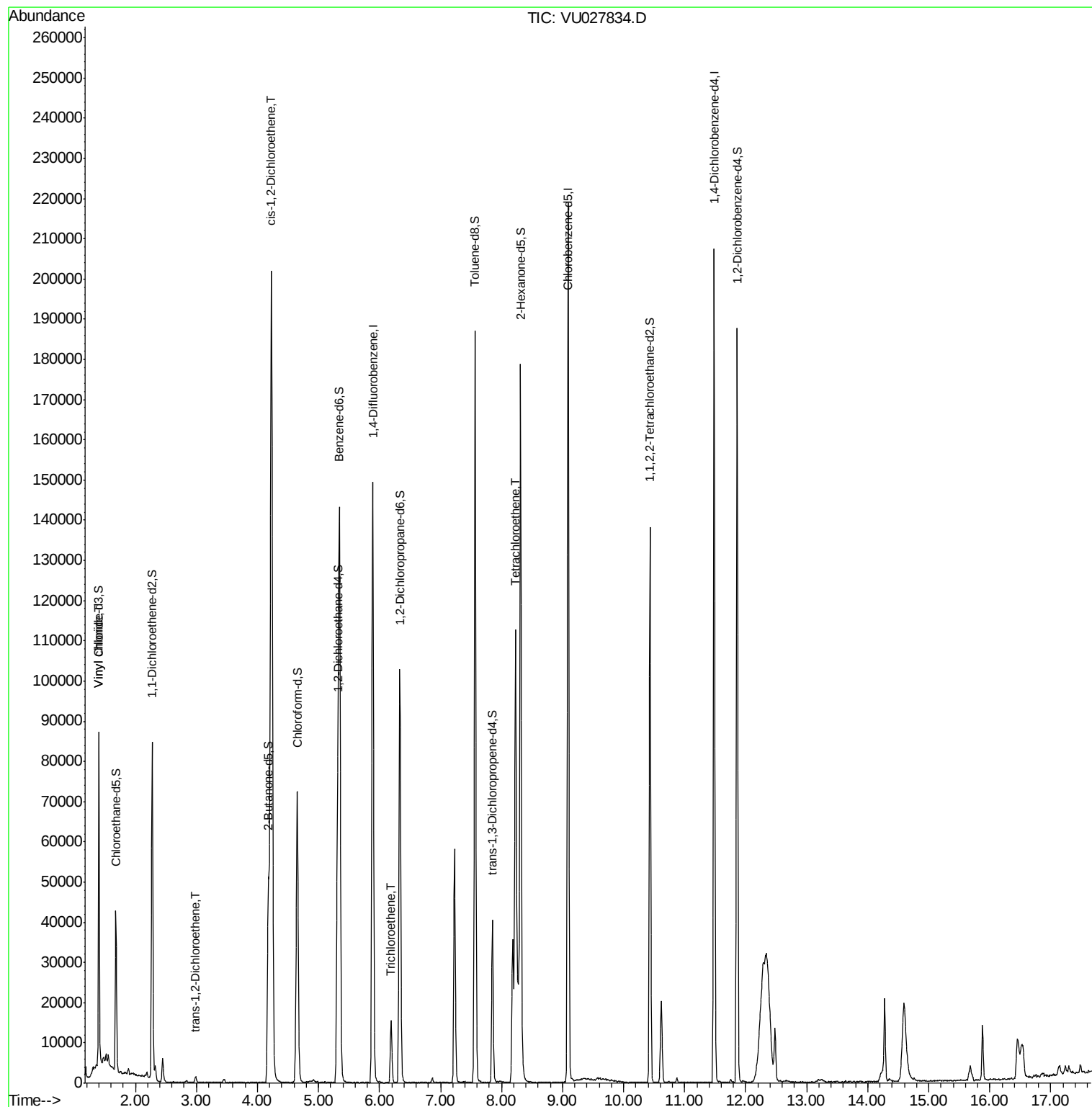
					Ovalue
5) Vinyl chloride	1.40	62	23629	21.593	ug/L # 82
17) trans-1,2-Dichloroethene	2.98	96	556	0.744	ug/L 83
20) cis-1,2-Dichloroethene	4.23	96	106523	120.551	ug/L 100
34) Trichloroethene	6.19	95	5786	6.956	ug/L 95
46) Tetrachloroethene	8.23	164	20099	31.287	ug/L 97

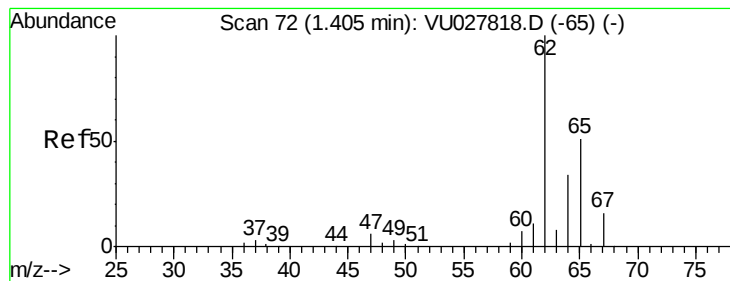
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 27 01:41:17 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 21.593 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027834.D

Acq: 26 Oct 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

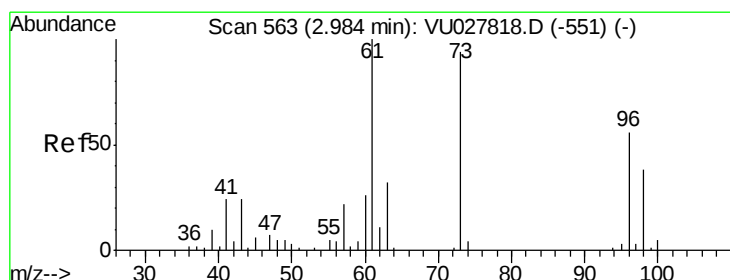
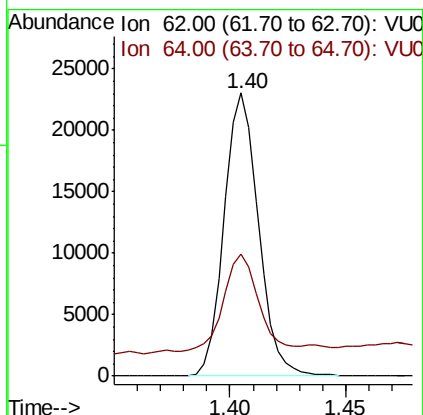
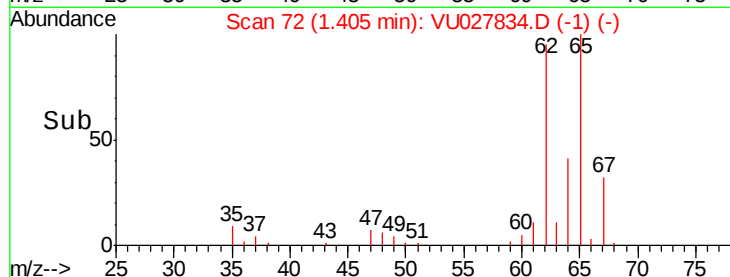
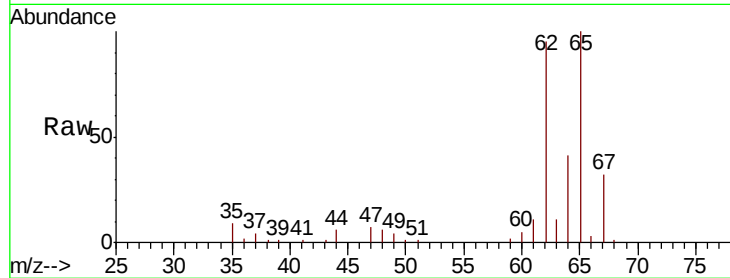
ETBR3

Tot Ion: 62 Resp: 23629

Ion Ratio Lower Upper

62 100

64 43.2 23.0 42.8#



#17

trans-1,2-Dichloroethene

Concen: 0.744 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027834.D

Acq: 26 Oct 2018 15:28

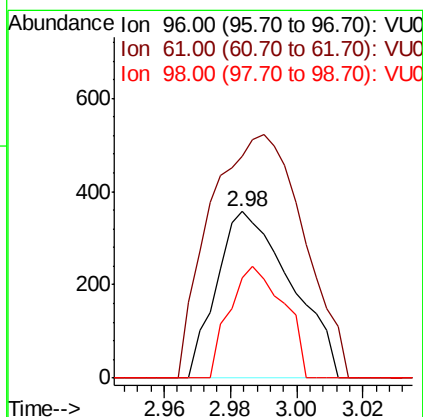
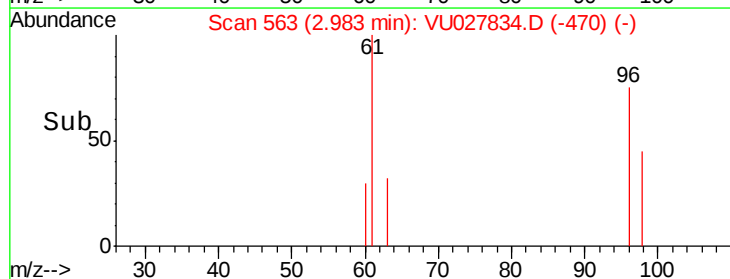
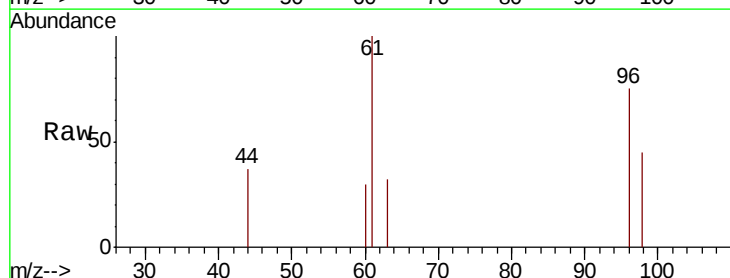
Tgt Ion: 96 Resp: 556

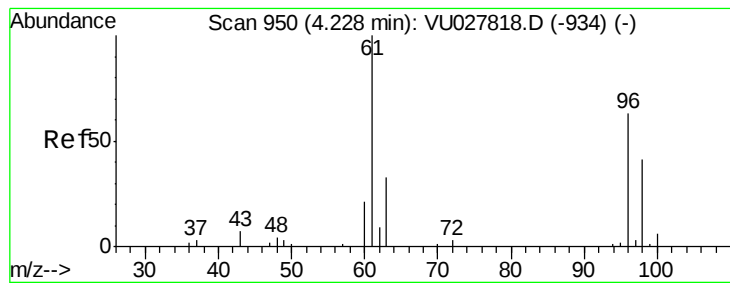
Ion Ratio Lower Upper

96 100

61 133.1 114.7 212.9

98 59.9 42.2 78.4



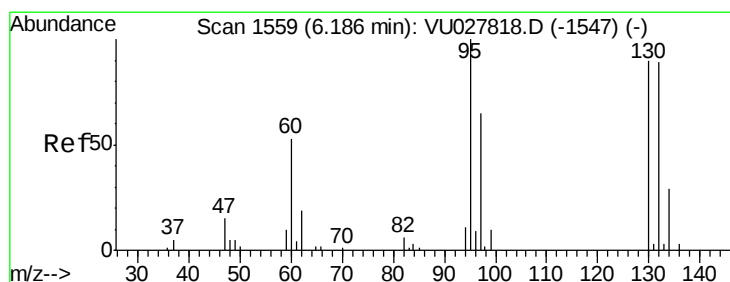
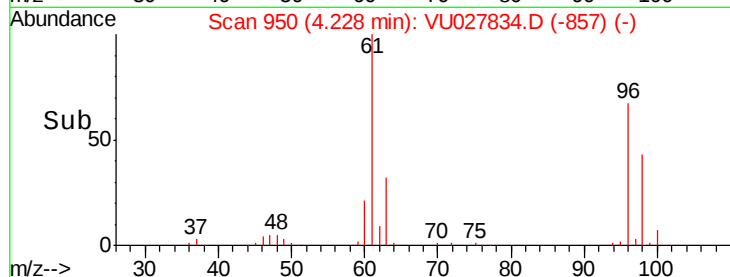
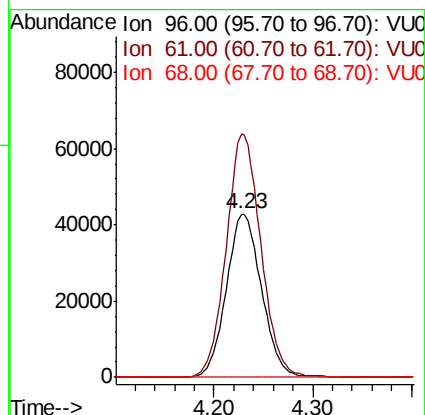
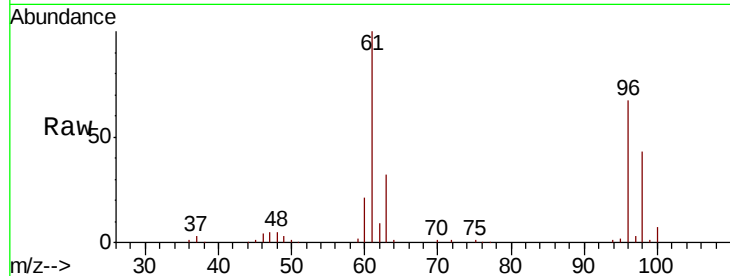


#20

cis-1,2-Dichloroethene
Concen: 120.551 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027834.D
Acq: 26 Oct 2018 15:28

Instrument :
MSVOA_U
ClientSampled :
ETBR3

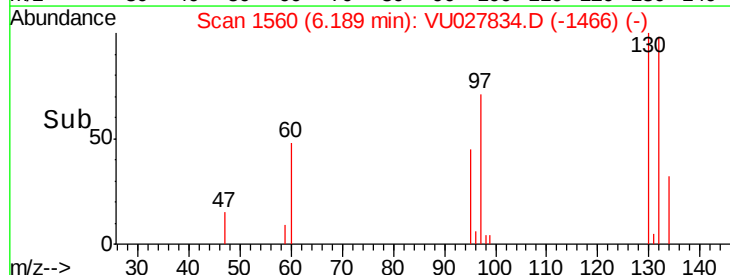
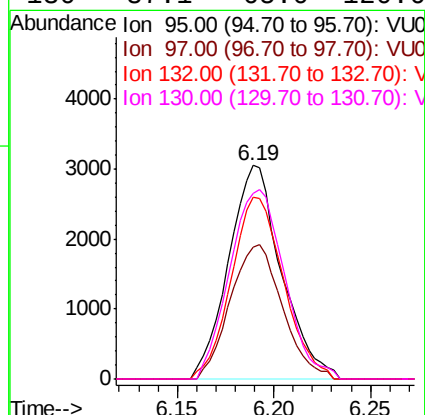
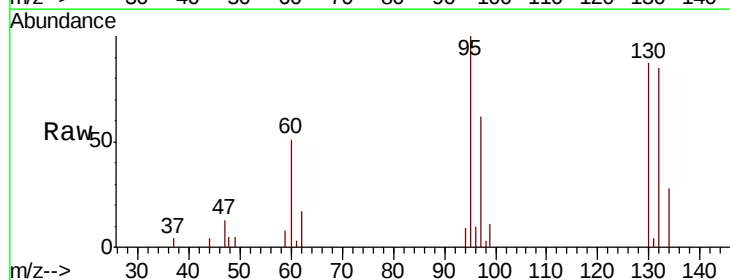
Tot Ion	96	Resp	106523
Ion	Ratio	Lower	Upper
96	100		
61	149.1	104.2	193.4
68	0.0	0.0	0.0

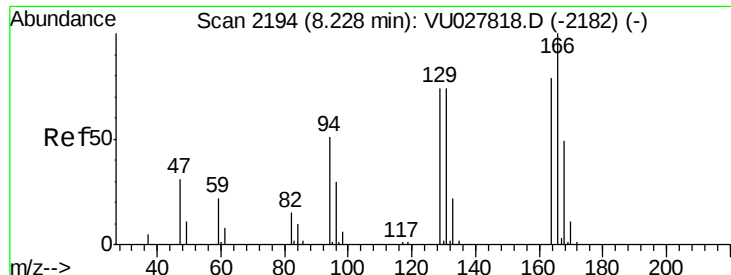


#34

Trichloroethene
Concen: 6.956 ug/L
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027834.D
Acq: 26 Oct 2018 15:28

Tgt Ion	95	Resp	5786
Ion	Ratio	Lower	Upper
95	100		
97	62.0	45.8	85.2
132	85.0	62.1	115.3
130	87.1	65.0	120.6





#46

Tetrachloroethene

Concen: 31.287 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027834.D

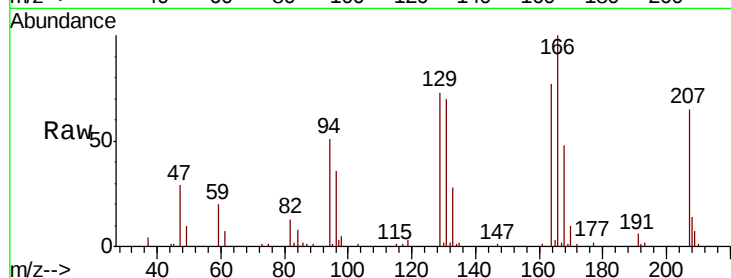
Acq: 26 Oct 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

ETBR3



Tot Ion:164 Resp: 20099

Ion Ratio Lower Upper

164 100

129 94.7 68.5 127.3

131 91.1 67.1 124.5

166 129.5 92.2 171.2

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

