

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
 Data File : VV018841.D
 Acq On : 10 Oct 2020 18:35
 Operator : SY/MD
 Sample : L4289-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB6

Quant Time: Oct 12 06:11:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 12 04:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	300015	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	297795	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	132158	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86912	31.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.76%
7) Chloroethane-d5	1.58	69	82153	37.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.88%
11) 1,1-Dichloroethene-d2	2.12	63	137567	26.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.36%#
21) 2-Butanone-d5	3.91	46	170751	102.01	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.01%
24) Chloroform-d	4.38	84	207144	43.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.14%
26) 1,2-Dichloroethane-d4	5.06	65	149533	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.74%
32) Benzene-d6	5.07	84	395679	41.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.58%
36) 1,2-Dichloropropane-d6	6.09	67	123490	39.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.04%
41) Toluene-d8	7.34	98	304150	35.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.50%#
43) trans-1,3-Dichloropropene-	7.64	79	51889	33.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.94%
47) 2-Hexanone-d5	8.11	63	86189	78.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.69%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	161700	44.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	141215	48.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.56%

Target Compounds

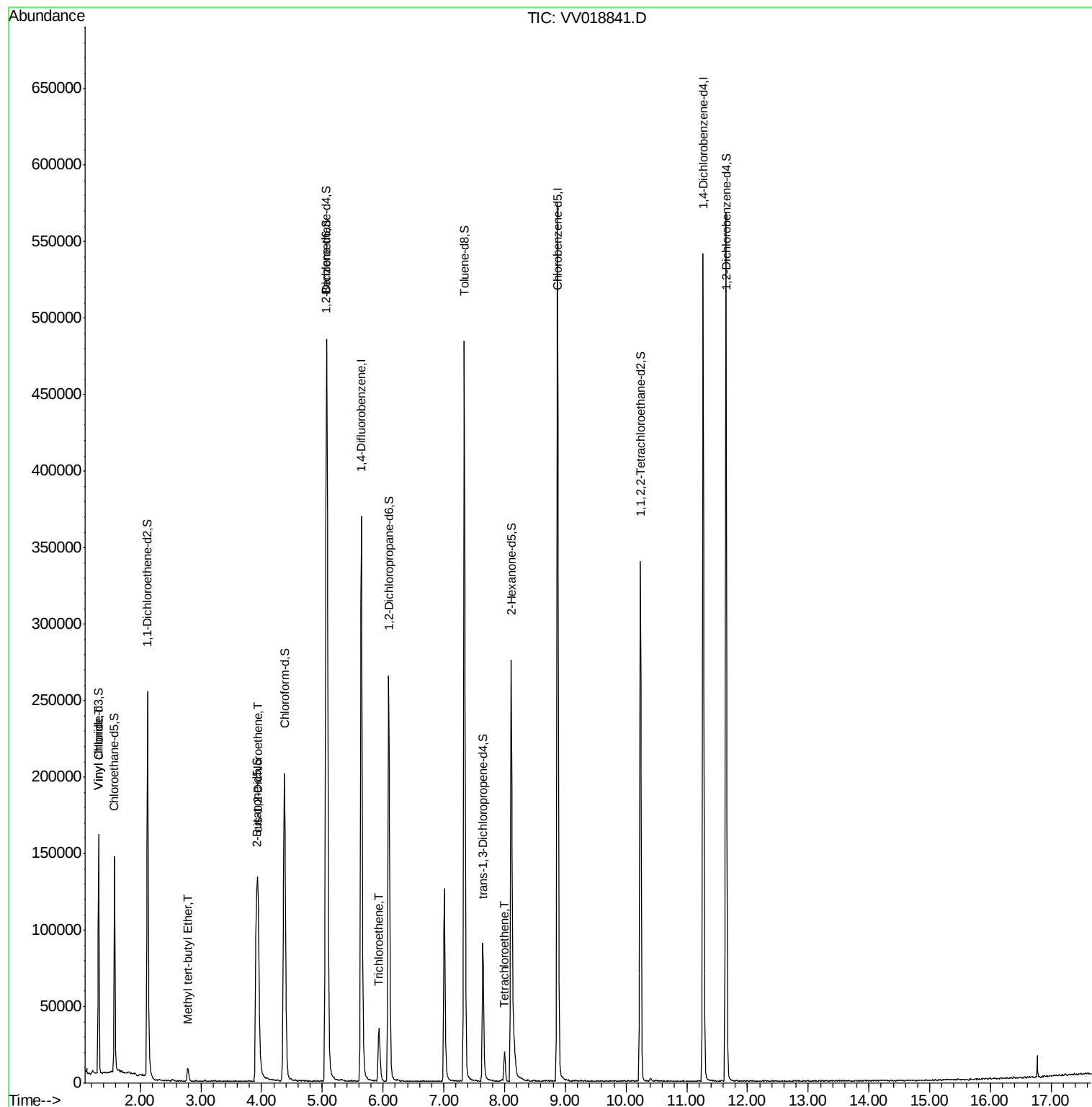
					Ovalue
5) Vinyl chloride	1.32	62	9381	3.541	ug/L # 74
18) Methyl tert-butyl Ether	2.79	73	6330	0.861	ug/L 94
20) cis-1,2-Dichloroethene	3.94	96	50200	21.672	ug/L 98
34) Trichloroethene	5.95	95	3804	1.399	ug/L 92
46) Tetrachloroethene	8.00	164	4500	2.258	ug/L 94

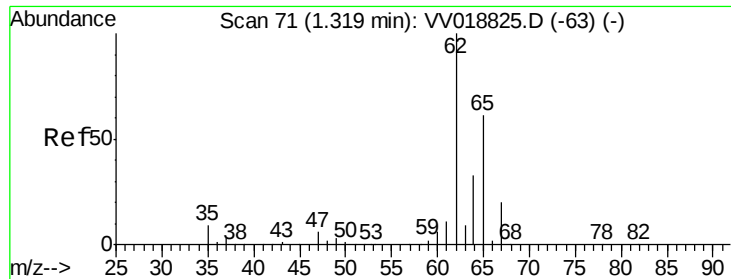
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.541 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018841.D

Acq: 10 Oct 2020 18:35

Instrument :

MSVOA_V

ClientSampled :

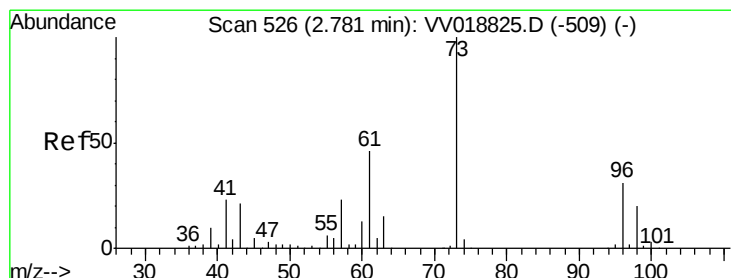
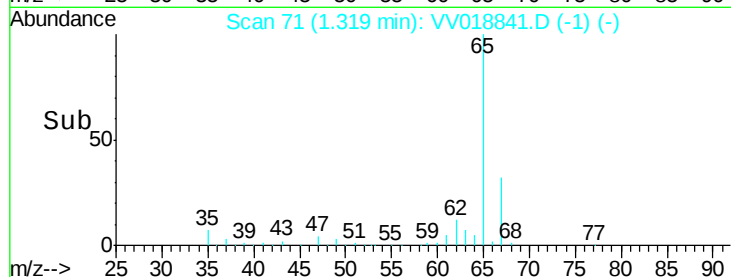
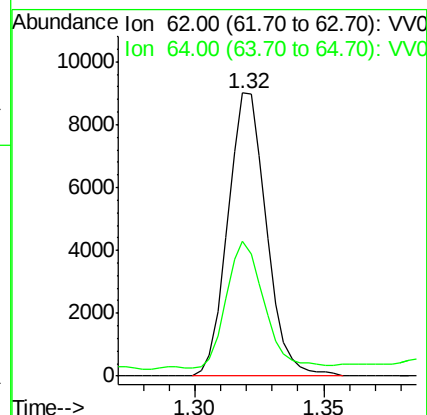
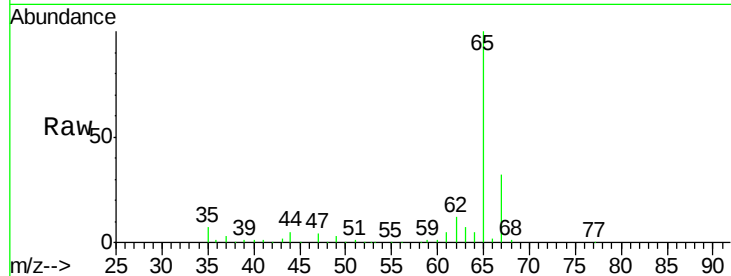
C0AB6

Tot Ion: 62 Resp: 9381

Ion Ratio Lower Upper

62 100

64 47.5 23.2 43.0#



#18

Methyl tert-butyl Ether

Concen: 0.861 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

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Acq: 10 Oct 2020 18:35

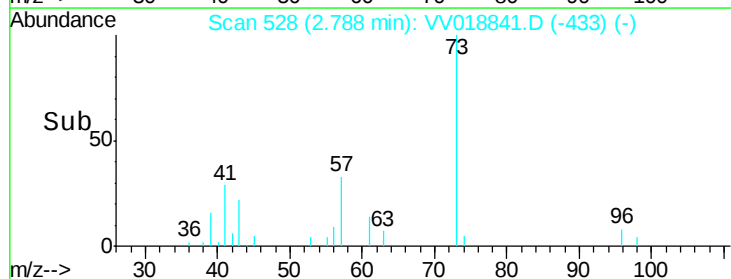
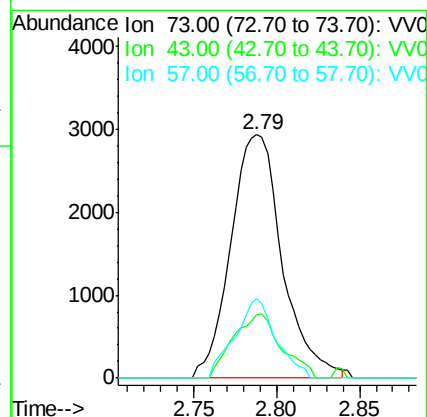
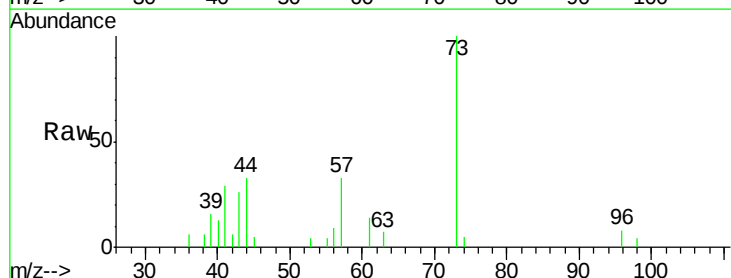
Tgt Ion: 73 Resp: 6330

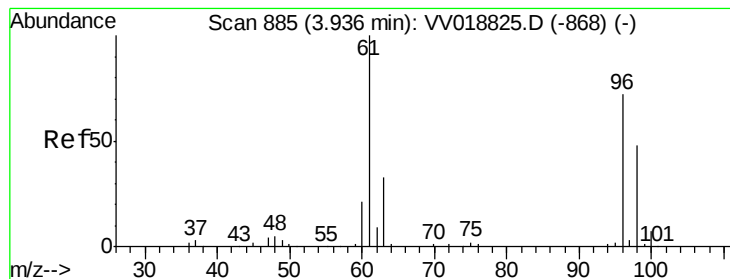
Ion Ratio Lower Upper

73 100

43 24.6 17.3 25.9

57 26.0 18.5 27.7





#20

cis-1,2-Dichloroethene

Concen: 21.672 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018841.D

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Instrument :

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ClientSampleId :

C0AB6

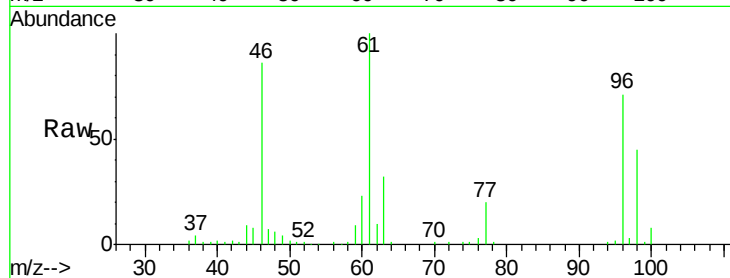
Tot Ion: 96 Resp: 50200

Ion Ratio Lower Upper

96 100

61 141.0 97.3 180.7

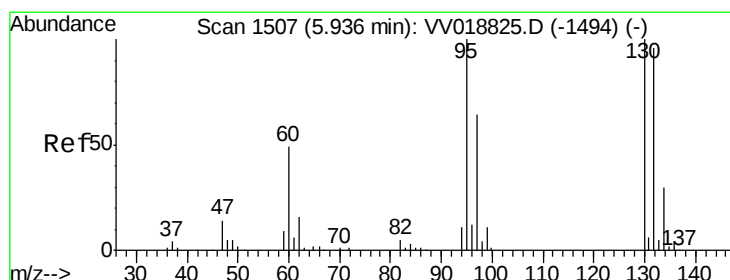
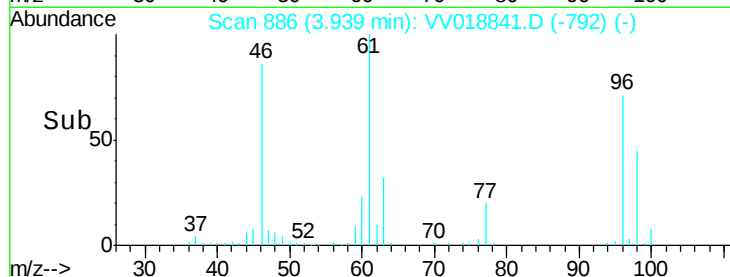
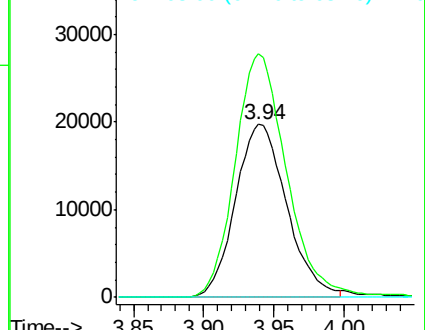
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV018825.D (-868) (-)

Ion 61.00 (60.70 to 61.70): VV018825.D (-868) (-)

Ion 68.00 (67.70 to 68.70): VV018825.D (-868) (-)



#34

Trichloroethene

Concen: 1.399 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV018841.D

Acq: 10 Oct 2020 18:35

Tgt Ion: 95 Resp: 3804

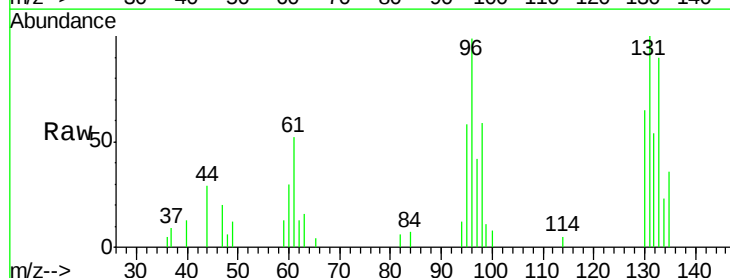
Ion Ratio Lower Upper

95 100

97 72.7 45.1 83.9

132 93.0 66.2 123.0

130 111.7 69.1 128.3

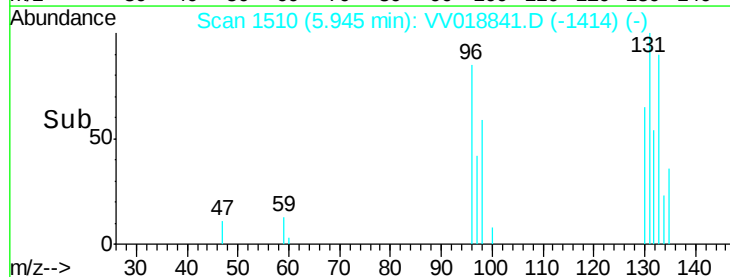
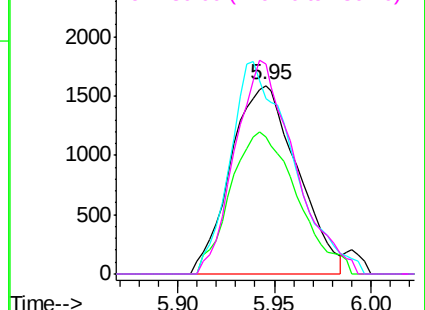


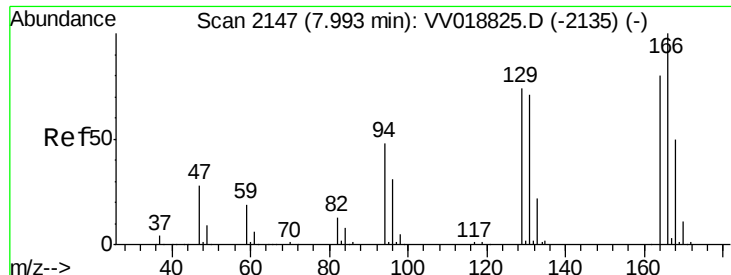
Abundance Ion 95.00 (94.70 to 95.70): VV018825.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV018825.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV018825.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV018825.D (-1494) (-)





#46

Tetrachloroethene

Concen: 2.258 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV018841.D

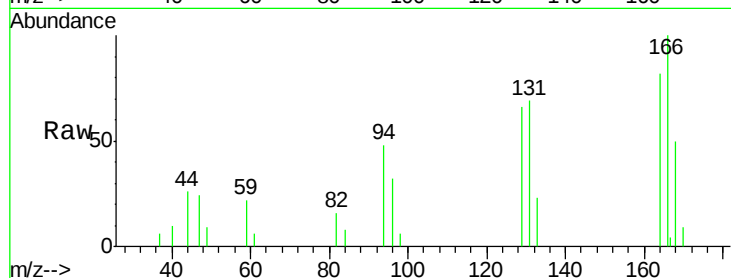
Acq: 10 Oct 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

C0AB6



Tot Ion:164 Resp: 4500

Ion Ratio Lower Upper

164 100

129 81.5 64.6 120.0

131 85.0 63.6 118.0

166 127.2 88.3 164.1

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

