

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031519\
 Data File : VW009200.D
 Acq On : 15 Mar 2019 17:02
 Operator : SY/VA
 Sample : K1939-05
 Misc : 5.23G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0S8

Quant Time: Mar 15 23:47:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 23:26:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	467632	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	431443	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	203701	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	167307	29.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.76%
7) Chloroethane-d5	2.89	69	146308	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
10) 1,1-Dichloroethene-d2	4.01	63	241660	20.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.04%
20) 2-Butanone-d5	7.07	46	65490	28.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	56.68%
24) Chloroform-d	7.64	84	305898	23.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	8.30	65	166550	21.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.64%
29) Benzene-d6	8.27	84	599644	25.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.80%
33) 1,2-Dichloropropane-d6	9.27	67	174663	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.76%
37) Toluene-d8	10.32	98	545742	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.24%
38) trans-1,3-Dichloropropene-	10.57	79	73090	20.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.44%
39) 2-Hexanone-d5	10.93	63	48337	27.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	55.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121174	17.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	189853	24.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.24%

Target Compounds

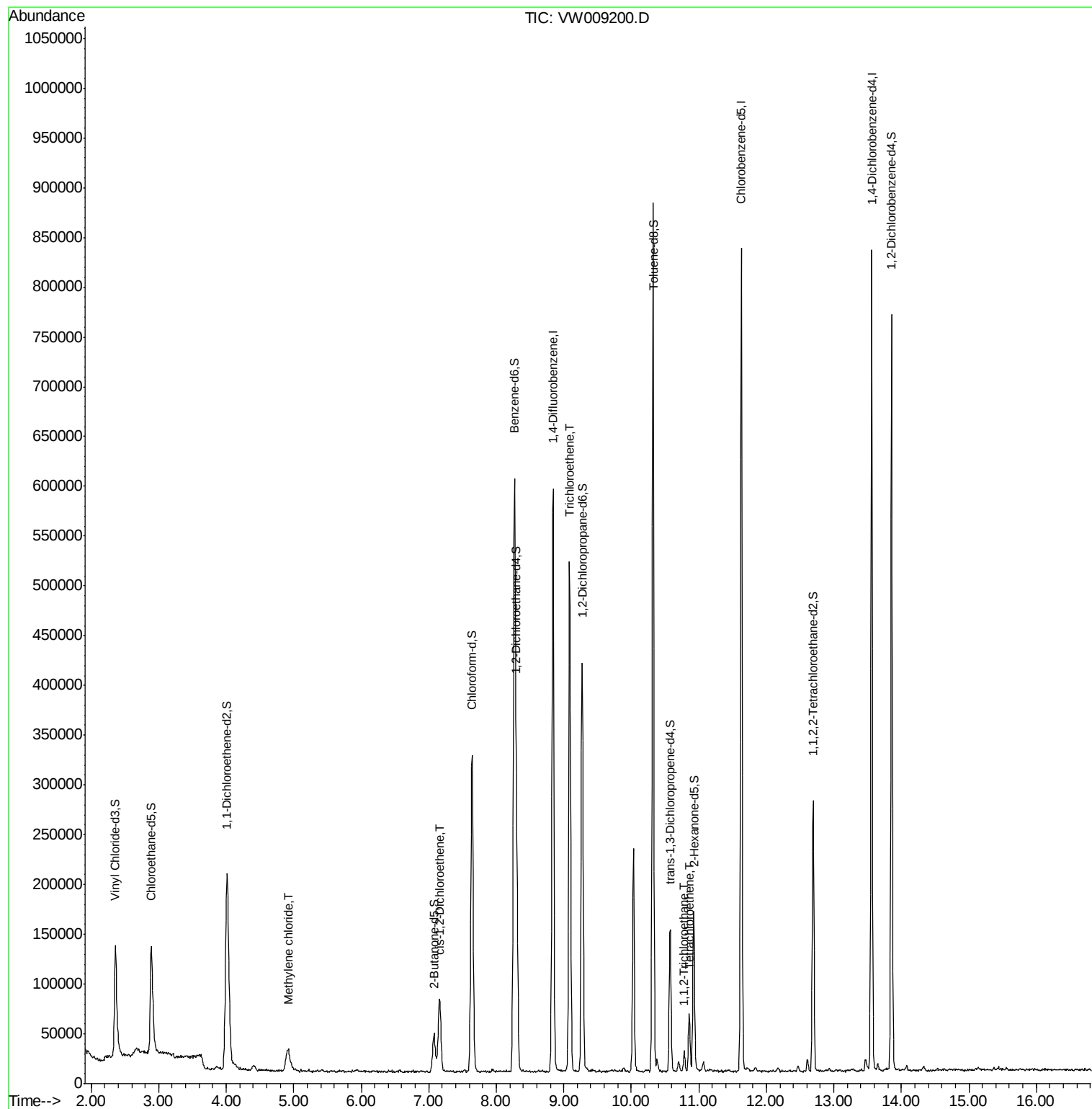
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	4.92	84	22061	3.235	ug/L	88
22) cis-1,2-Dichloroethene	7.16	96	36869	5.621	ug/L	95
35) Trichloroethene	9.09	95	160697	25.538	ug/L	98
46) 1,1,2-Trichloroethane	10.78	97	5095	1.054	ug/L	88
47) Tetrachloroethene	10.86	164	11766	2.213	ug/L	86

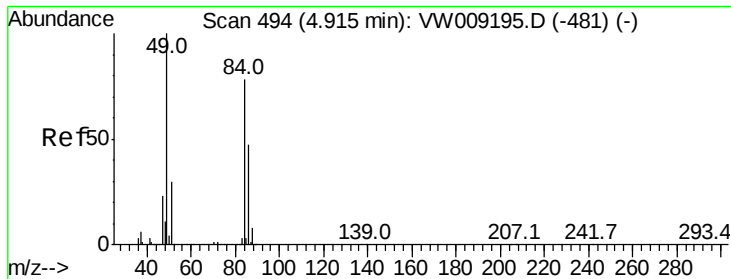
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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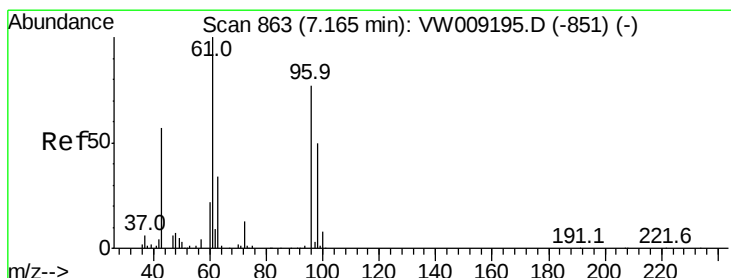
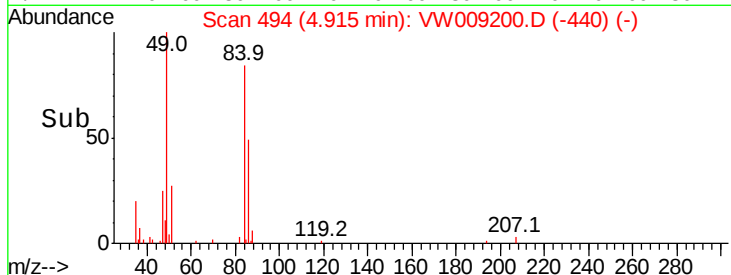
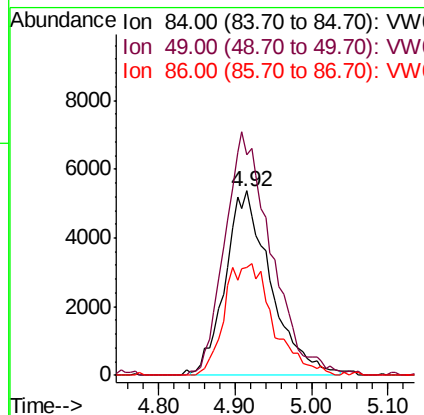
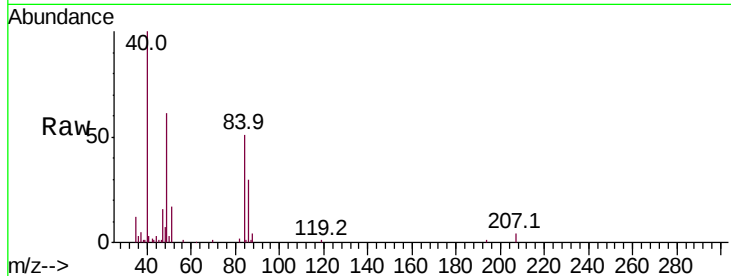




#16
Methylene chloride
Concen: 3.235 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009200.D
Acq: 15 Mar 2019 17:02

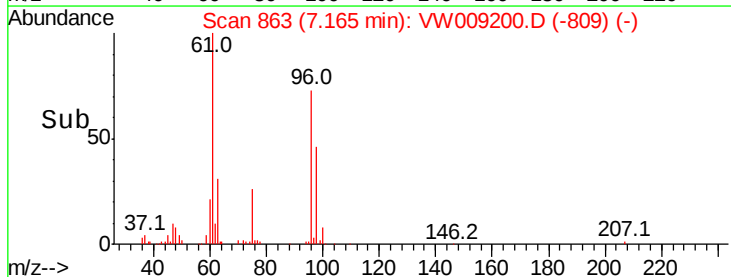
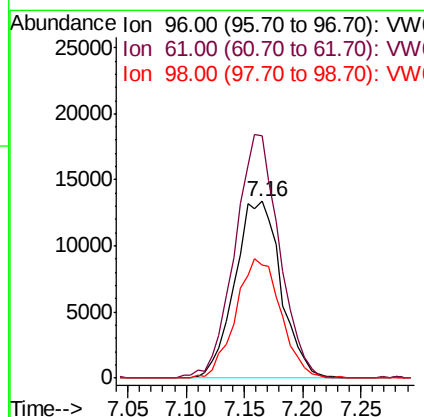
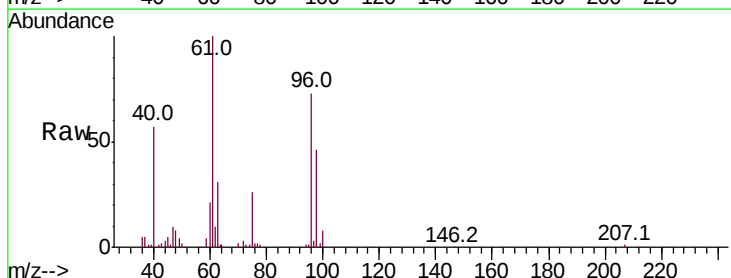
Instrument :
MSVOA_W
ClientSampled :
BF0S8

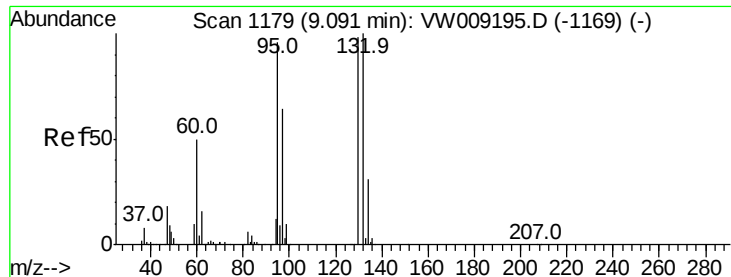
Tot Ion: 84 Resp: 22061
Ion Ratio Lower Upper
84 100
49 119.7 96.0 178.2
86 58.6 44.4 82.5



#22
cis-1,2-Dichloroethene
Concen: 5.621 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009200.D
Acq: 15 Mar 2019 17:02

Tgt Ion: 96 Resp: 36869
Ion Ratio Lower Upper
96 100
61 137.1 90.6 168.3
98 63.6 44.0 81.8





#35

Trichloroethene

Concen: 25.538 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009200.D

Acq: 15 Mar 2019 17:02

Instrument :

MSVOA_W

ClientSampled :

BF0S8

Tot Ion: 95 Resp: 160697

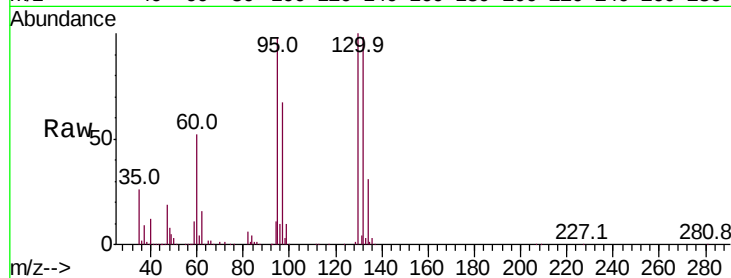
Ion Ratio Lower Upper

95 100

97 65.2 44.7 82.9

132 101.4 69.0 128.2

130 103.2 72.7 134.9

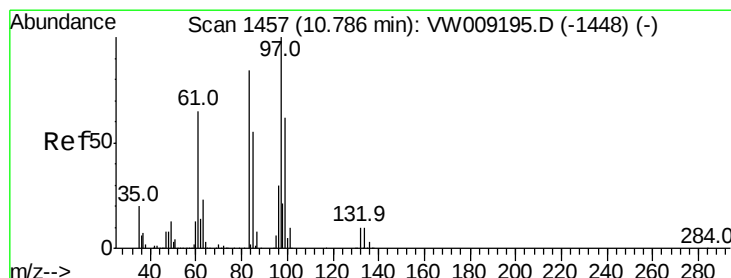
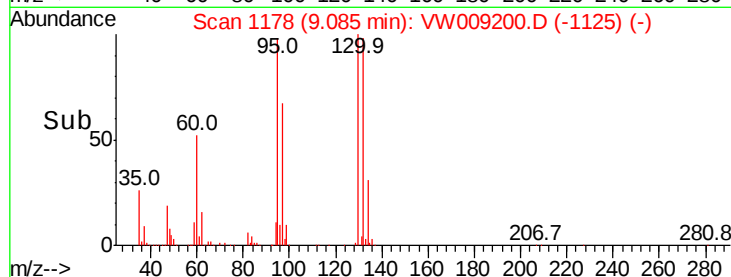
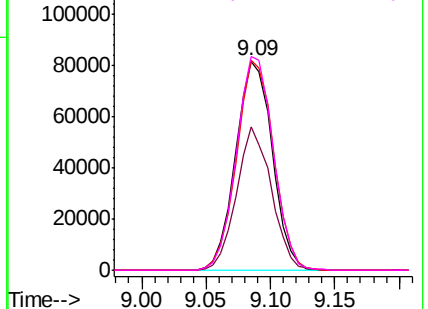


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#46

1,1,2-Trichloroethane

Concen: 1.054 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW009200.D

Acq: 15 Mar 2019 17:02

Tgt Ion: 97 Resp: 5095

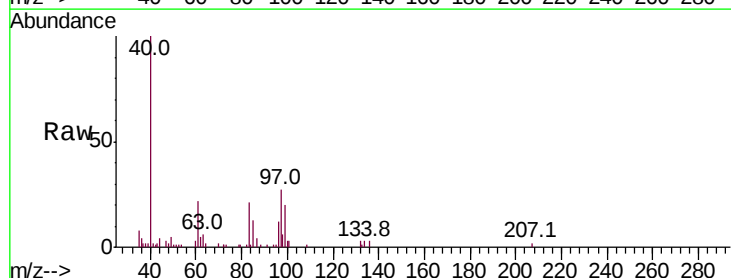
Ion Ratio Lower Upper

97 100

83 77.9 60.7 112.7

85 49.2 40.1 74.5

99 74.7 43.8 81.3

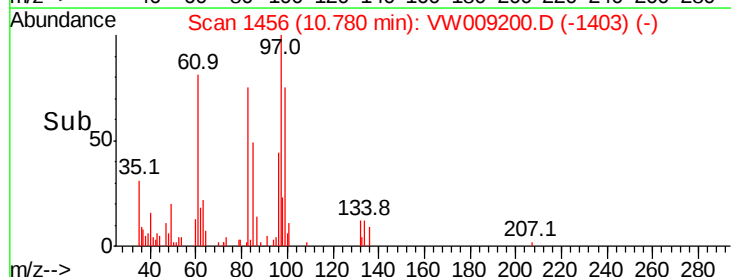
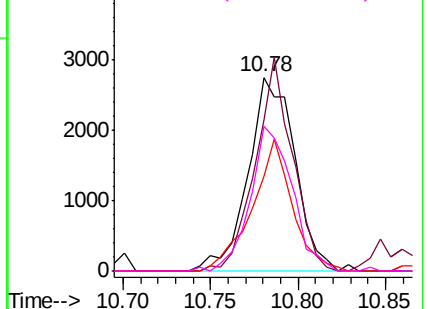


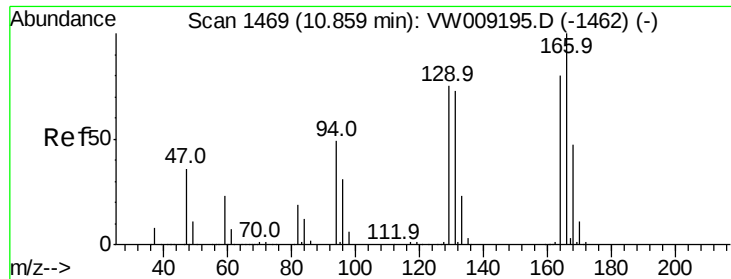
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW





#47

Tetrachloroethene

Concen: 2.213 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009200.D

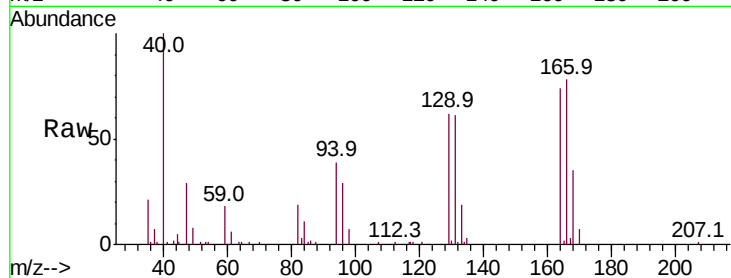
Acq: 15 Mar 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion:164 Resp: 11766

Ion Ratio Lower Upper

164 100

129 83.5 66.5 123.5

131 82.8 62.6 116.3

166 105.9 91.6 170.0

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

