

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033019\
 Data File : VV010028.D
 Acq On : 30 Mar 2019 18:56
 Operator : SY/MD
 Sample : K2166-14
 Misc : 5.87G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0M4

Manual Integrations
 APPROVED

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4/1/2019 4:01:39 AM

Quant Time: Mar 31 21:18:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	117773	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	119717	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	48445	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53078	22.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.84%
7) Chloroethane-d5	1.56	69	63324	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.12%
10) 1,1-Dichloroethene-d2	2.12	63	119825	18.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.32%
20) 2-Butanone-d5	3.93	46	35968	80.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	161.52%#
24) Chloroform-d	4.40	84	66508	22.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.68%
26) 1,2-Dichloroethane-d4	5.08	65	54358	30.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.40%
29) Benzene-d6	5.10	84	152705	24.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.16%
33) 1,2-Dichloropropane-d6	6.12	67	50243	27.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.28%
37) Toluene-d8	7.36	98	132036	22.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.76%
38) trans-1,3-Dichloropropene-	7.66	79	15892	21.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.48%
39) 2-Hexanone-d5	8.13	63	27187	79.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	158.38%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56819	31.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.80%#
61) 1,2-Dichlorobenzene-d4	11.68	152	49293	26.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.92%

Target Compounds					Ovalue
16) Methylene chloride	2.53	84	4142	2.136 ug/L	80
22) cis-1,2-Dichloroethene	3.96	96	2355m	1.382 ug/L	
35) Trichloroethene	5.96	95	14133	8.150 ug/L	90
44) Toluene	7.43	91	3301	0.455 ug/L	82
47) Tetrachloroethene	8.02	164	1632602	1193.098 ug/L	96

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

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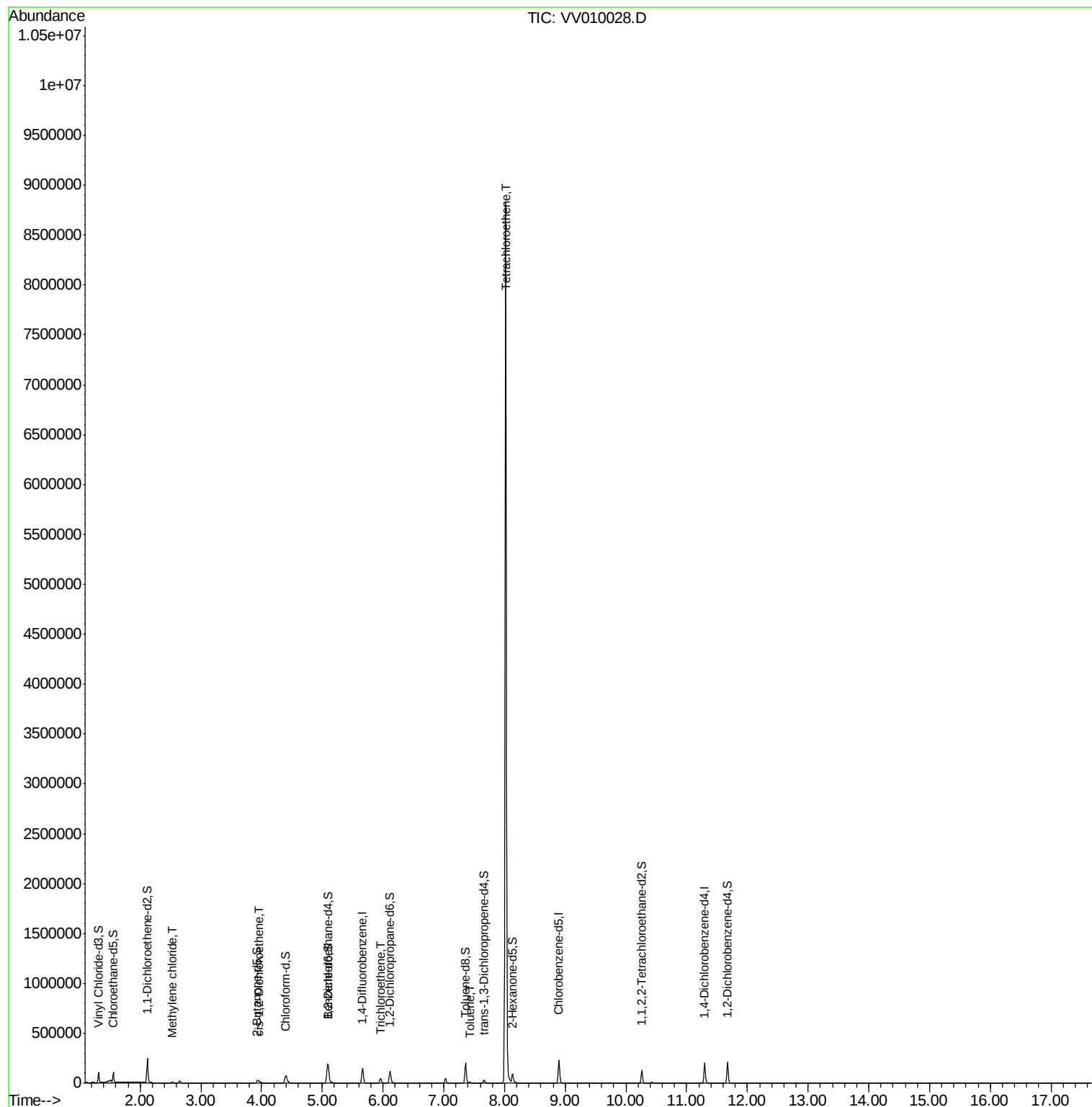
Instrument :
MSVOA_V
ClientSampleId :
BF0M4

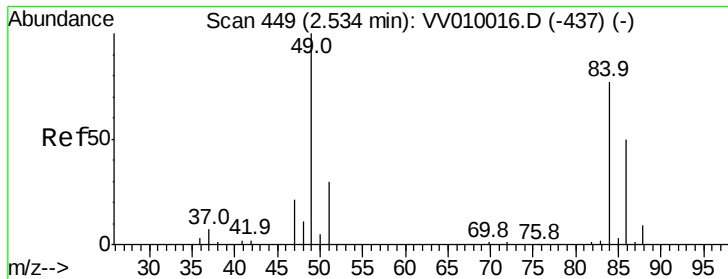
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Quant Title : VOC Analysis
QLast Update : Sat Mar 30 23:31:11 2019
Response via : Initial Calibration





#16
Methvlene chloride
Concen: 2.136 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV010028.D
Acq: 30 Mar 2019 18:56

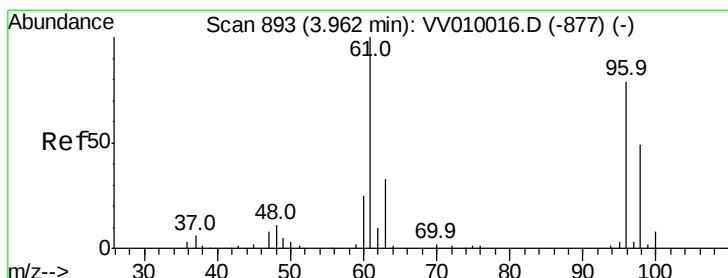
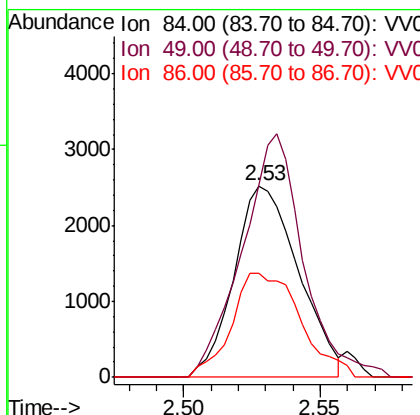
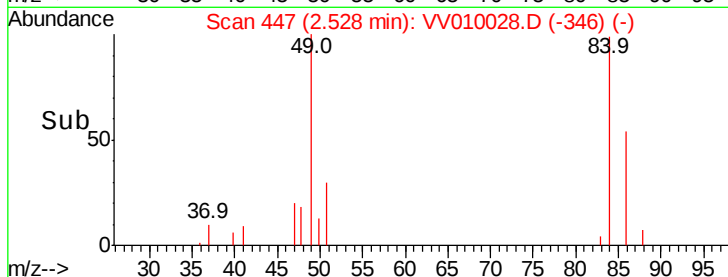
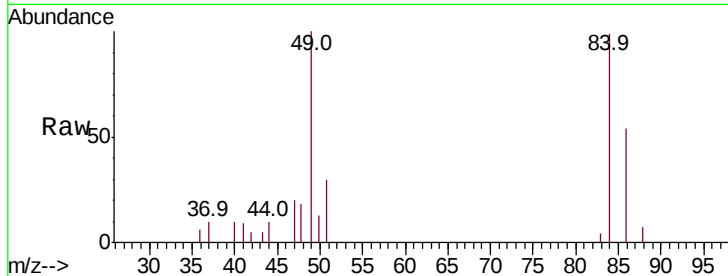
Instrument :
MSVOA_V
ClientSampleId :
BF0M4

Tot Ion: 84 Resp: 4142
Ion Ratio Lower Upper
84 100
49 100.6 90.4 167.8
86 54.3 44.0 81.6

Manual Integrations
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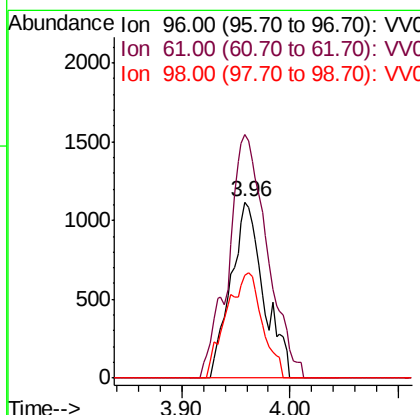
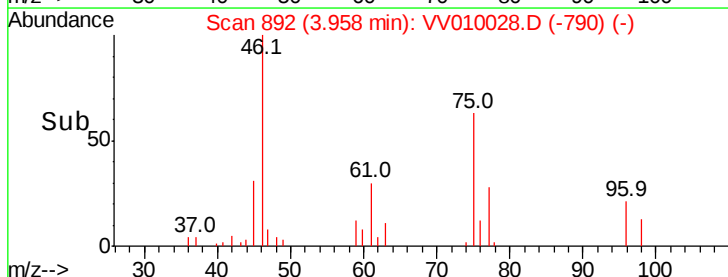
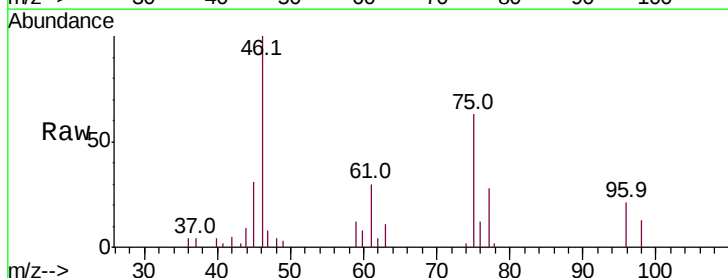
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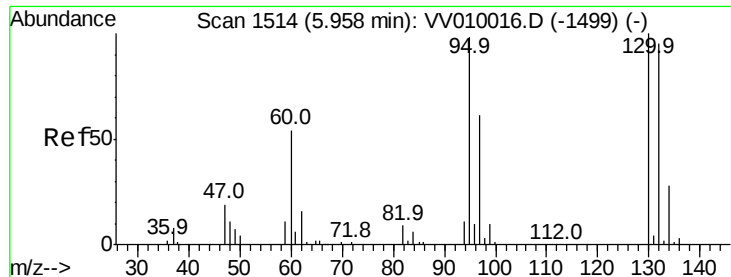
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#22
cis-1,2-Dichloroethene
Concen: 1.382 ug/L m
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV010028.D
Acq: 30 Mar 2019 18:56

Tgt Ion: 96 Resp: 2355
Ion Ratio Lower Upper
96 100
61 138.4 91.4 169.8
98 58.6 48.0 89.2





#35
 Trichloroethene
 Concen: 8.150 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV010028.D
 Acq: 30 Mar 2019 18:56

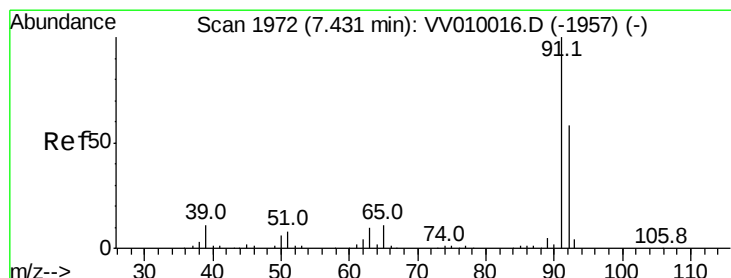
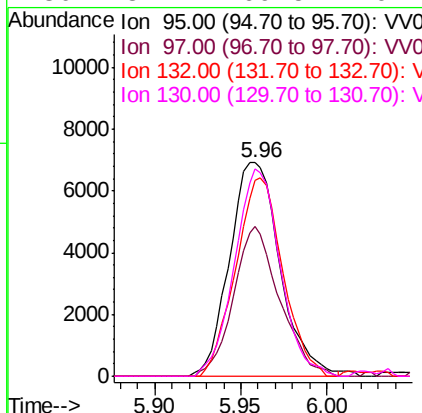
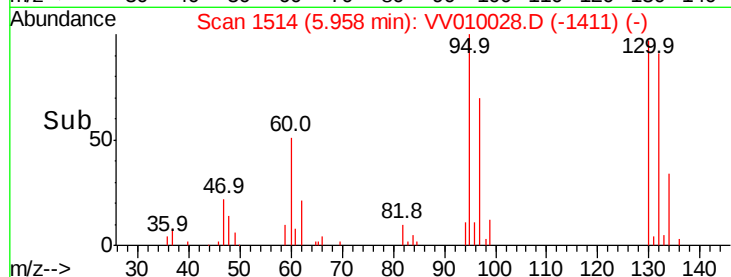
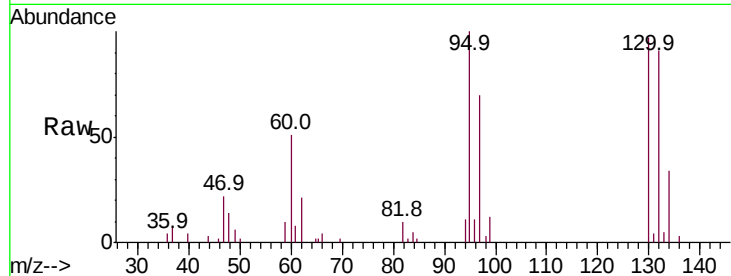
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 ClientSampled :
 BF0M4

Tot Ion	95	Resp	14133
Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.3	85.9
132	86.3	69.3	128.7
130	87.7	69.5	129.1

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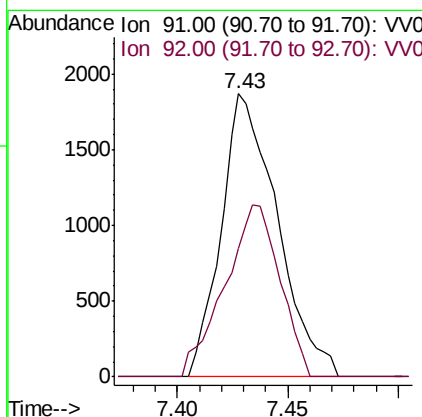
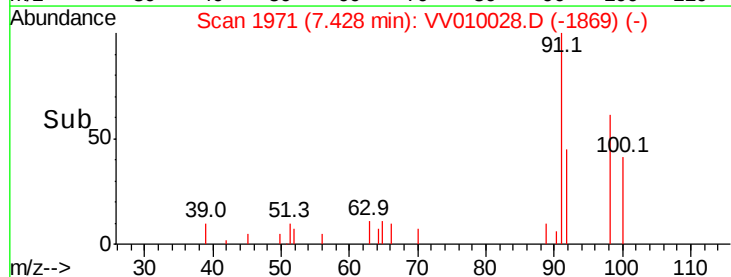
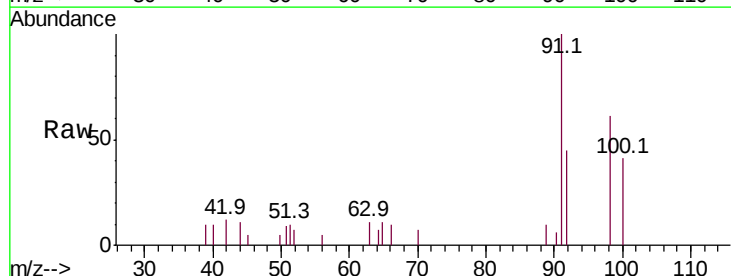
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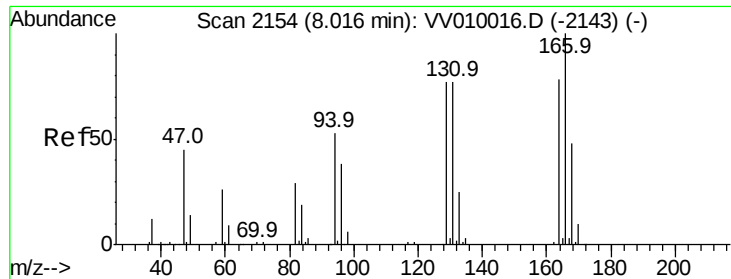
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#44
 Toluene
 Concen: 0.455 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VV010028.D
 Acq: 30 Mar 2019 18:56

Tgt Ion	91	Resp	3301
Ion	Ratio	Lower	Upper
91	100		
92	45.3	41.0	76.2





#47

Tetrachloroethene

Concen: 1193.098 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VV010028.D

Acq: 30 Mar 2019 18:56

Instrument :
MSVOA_V
ClientSampleId :
BF0M4

Tot Ion:164 Resp: 1632602

Ion Ratio Lower Upper

164 100

129 93.8 64.9 120.5

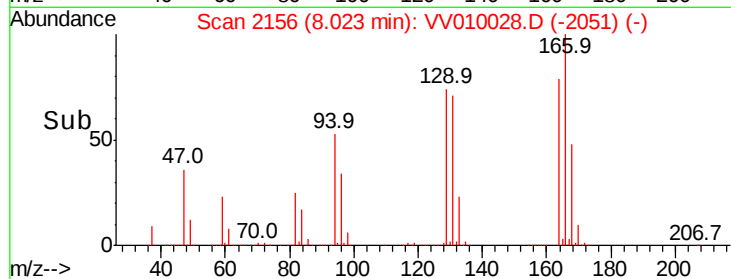
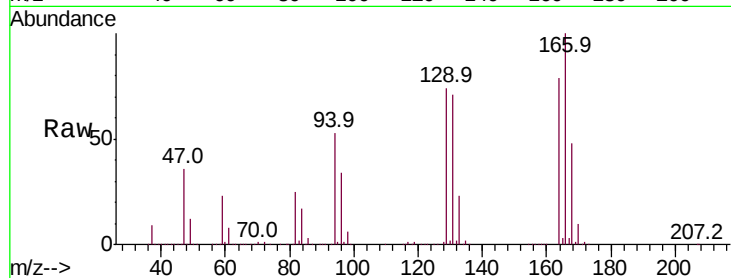
131 90.1 62.0 115.2

166 126.9 82.9 153.9

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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

