

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042919\
 Data File : VU031589.D
 Acq On : 29 Apr 2019 16:18
 Operator : JC/SP
 Sample : K2536-21DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X09DL

Manual Integrations
 APPROVED

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 4/30/2019 12:07:26 PM

Quant Time: Apr 30 04:07:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 01:54:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	685526	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	657317	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	246087	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	296473	51.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.34%
7) Chloroethane-d5	1.68	69	243667	54.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.92%
11) 1,1-Dichloroethene-d2	2.27	63	450963	39.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.94%
21) 2-Butanone-d5	4.19	46	627122	120.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.64%
24) Chloroform-d	4.64	84	552740	52.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.31	65	381432	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.12%
32) Benzene-d6	5.34	84	1076511	53.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.66%
36) 1,2-Dichloropropane-d6	6.32	67	388239	54.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.34%
41) Toluene-d8	7.56	98	887243	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%
43) trans-1,3-Dichloropropene-	7.85	79	151055	49.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.10%
47) 2-Hexanone-d5	8.31	63	340507	110.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	493194	51.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	279549	54.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	18755	1.929	ug/L	93
13) Acetone	2.34	43	12722m	2.173	ug/L	
20) cis-1,2-Dichloroethene	4.23	96	6089m	1.019	ug/L	
34) Trichloroethene	6.18	95	381849	65.183	ug/L	94
46) Tetrachloroethene	8.22	164	18847	4.719	ug/L	96

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

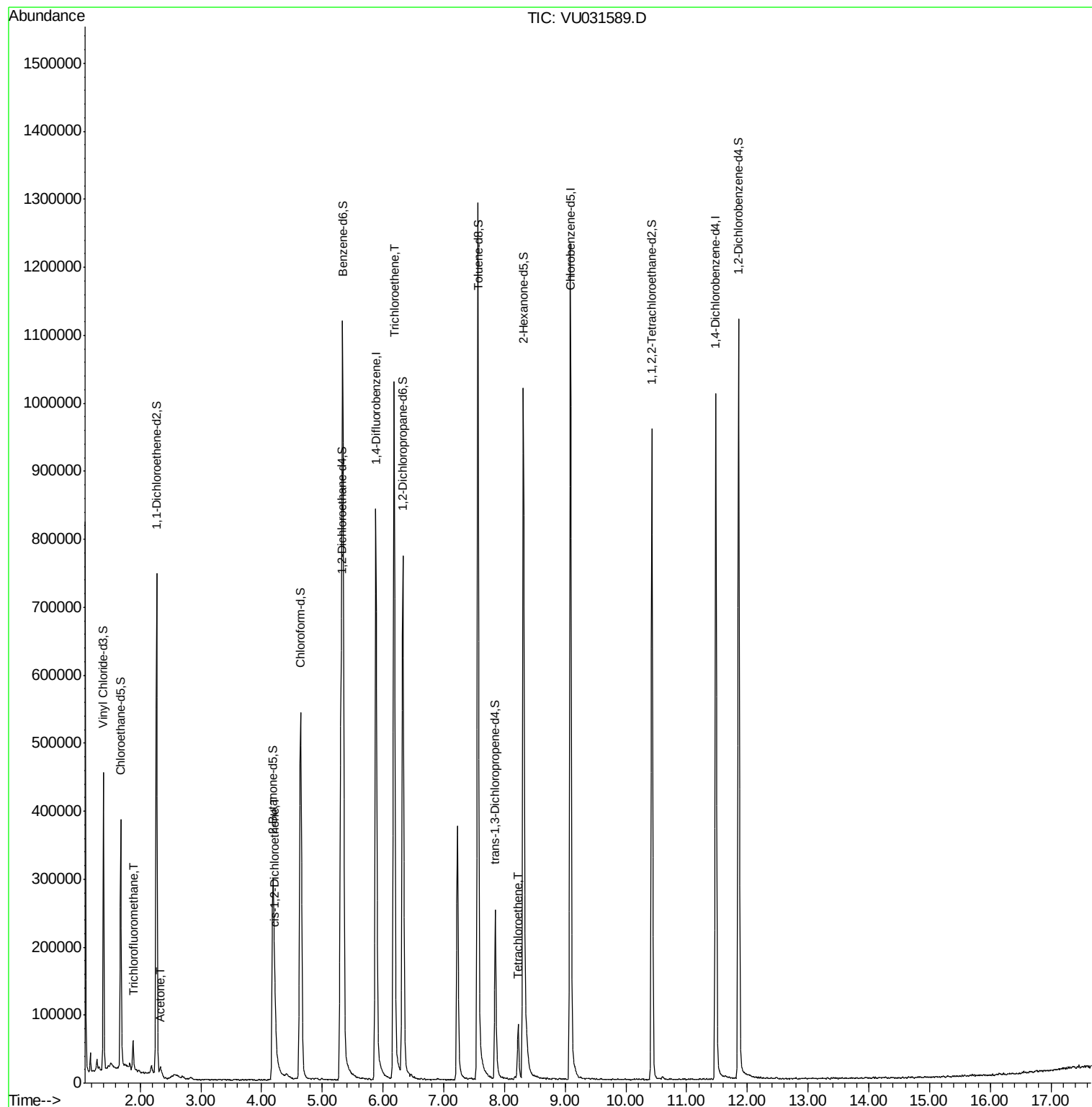
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042919\
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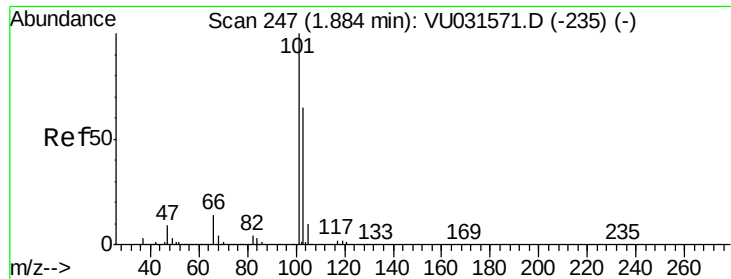
Instrument :
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Quant Title : VOC Analysis
QLast Update : Tue Apr 30 01:54:25 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 1.929 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031589.D

Acq: 29 Apr 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

C0X09DL

Tot Ion:101 Resp: 18755

Ion Ratio Lower Upper

101 100

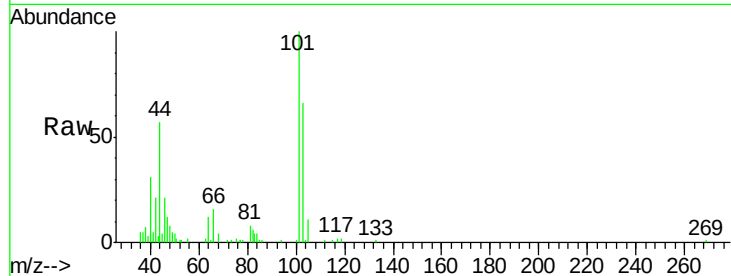
103 68.7 50.8 76.2

Manual Integrations

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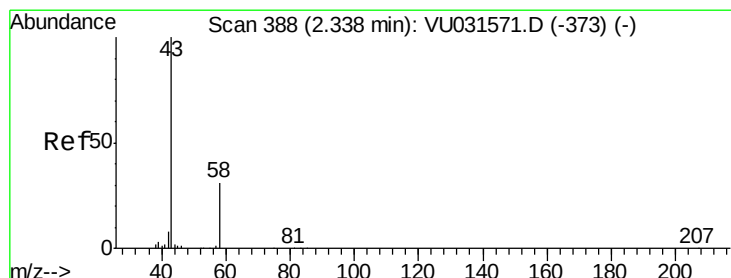
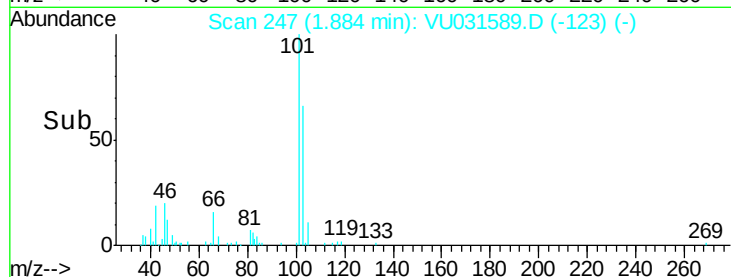
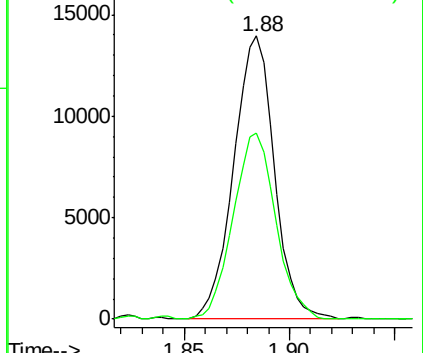
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 2.173 ug/L m

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU031589.D

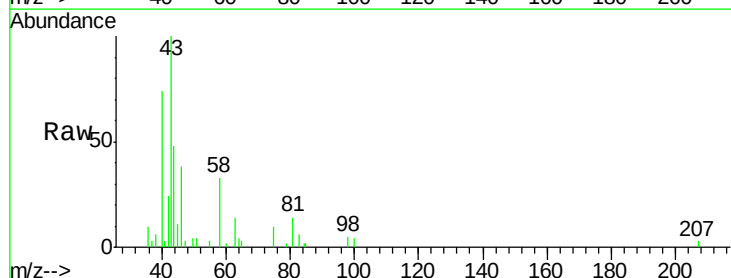
Acq: 29 Apr 2019 16:18

Tgt Ion: 43 Resp: 12722

Ion Ratio Lower Upper

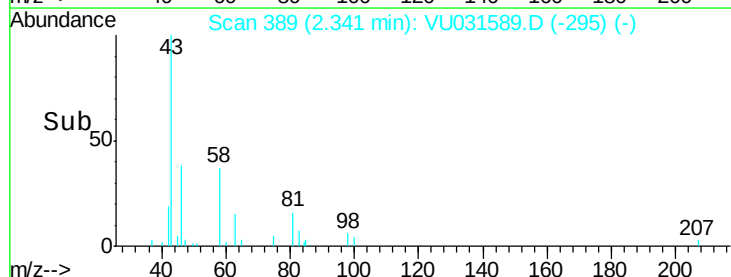
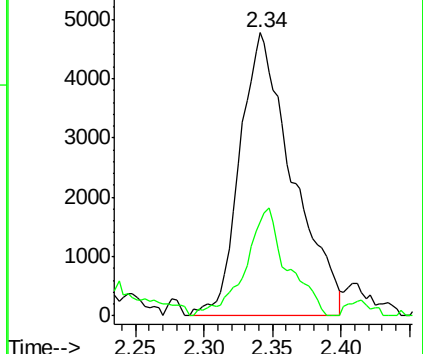
43 100

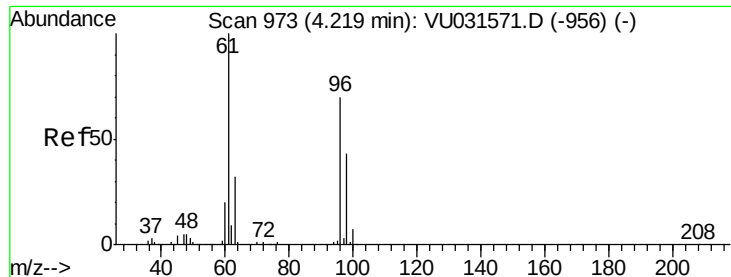
58 19.4 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





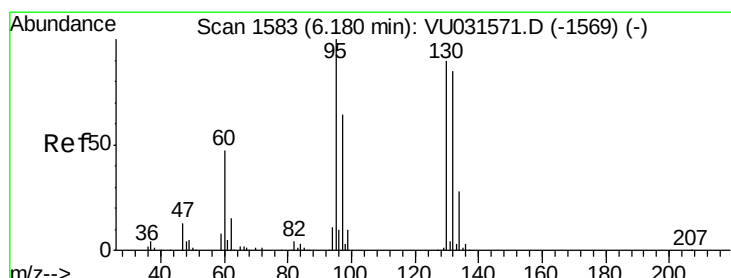
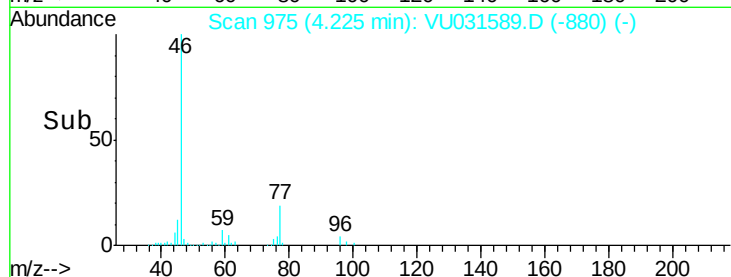
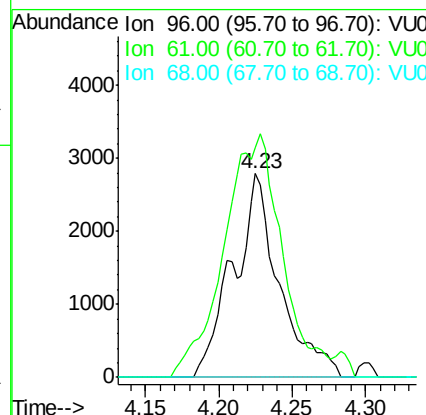
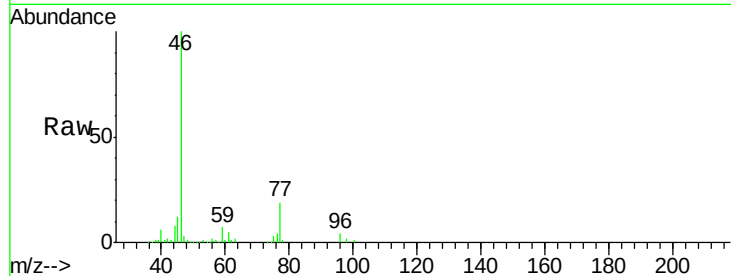
#20
 cis-1,2-Dichloroethene
 Concen: 1.019 ug/L m
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU031589.D
 Acq: 29 Apr 2019 16:18

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Tot Ion	Ratio	Lower	Upper
96	100		
61	112.4	99.5	184.7
68	0.0	0.0	0.0

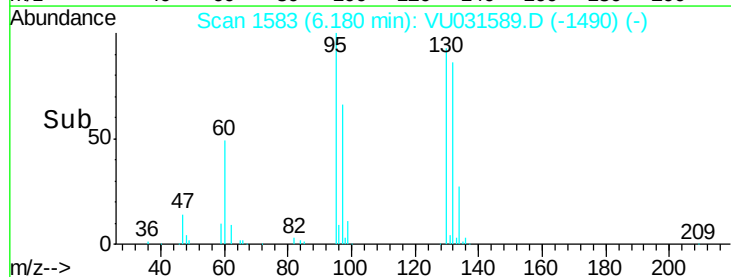
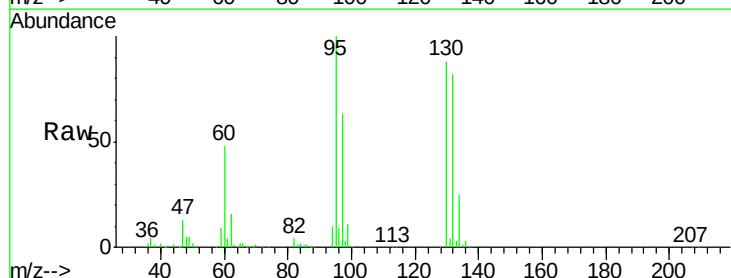
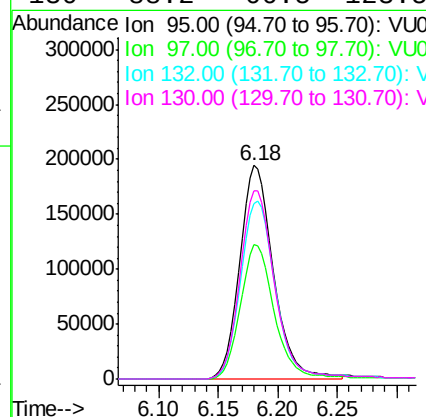
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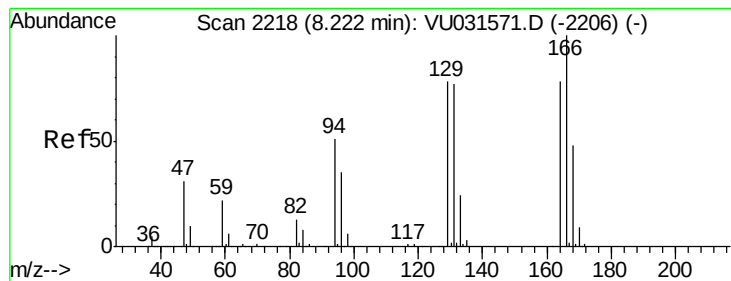
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#34
 Trichloroethene
 Concen: 65.183 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031589.D
 Acq: 29 Apr 2019 16:18

Tgt Ion	Ratio	Lower	Upper
95	100		
97	62.7	44.8	83.2
132	81.9	63.1	117.1
130	88.2	66.5	123.5





#46

Tetrachloroethene

Concen: 4.719 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031589.D

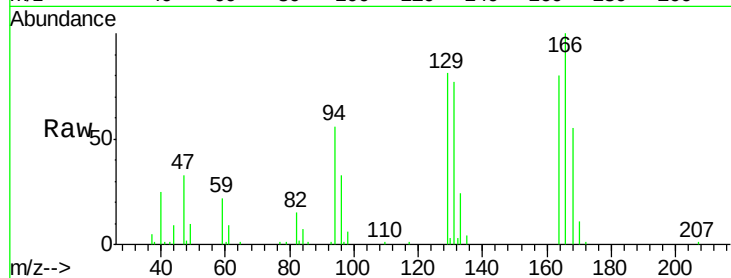
Acq: 29 Apr 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

C0X09DL



Tot Ion:164 Resp: 18847

Ion Ratio Lower Upper

164 100

129 101.3 71.5 132.9

131 96.7 69.0 128.2

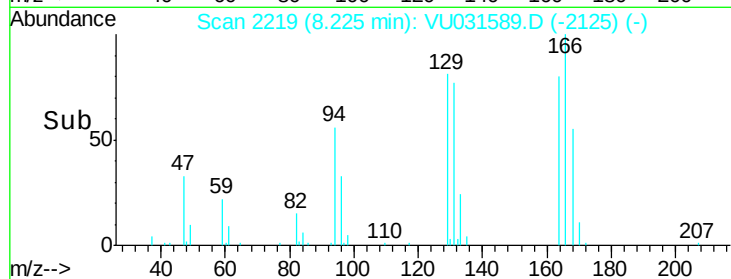
166 125.3 93.7 173.9

Manual Integrations

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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

