

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021919\
 Data File : VU029563.D
 Acq On : 19 Feb 2019 18:26
 Operator : JC/SP
 Sample : K1488-09 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXE5

Quant Time: Feb 22 11:38:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Feb 20 00:07:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	209592	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	203982	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	111931	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58721	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.68	69	53892	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.27	63	91105	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	4.19	46	161894	55.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.58%
24) Chloroform-d	4.65	84	92964	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.31	65	60333	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.34	84	226611	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.33	67	71199	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.56	98	211694	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.85	79	26295	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.31	63	157415	52.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	64575	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	98706	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

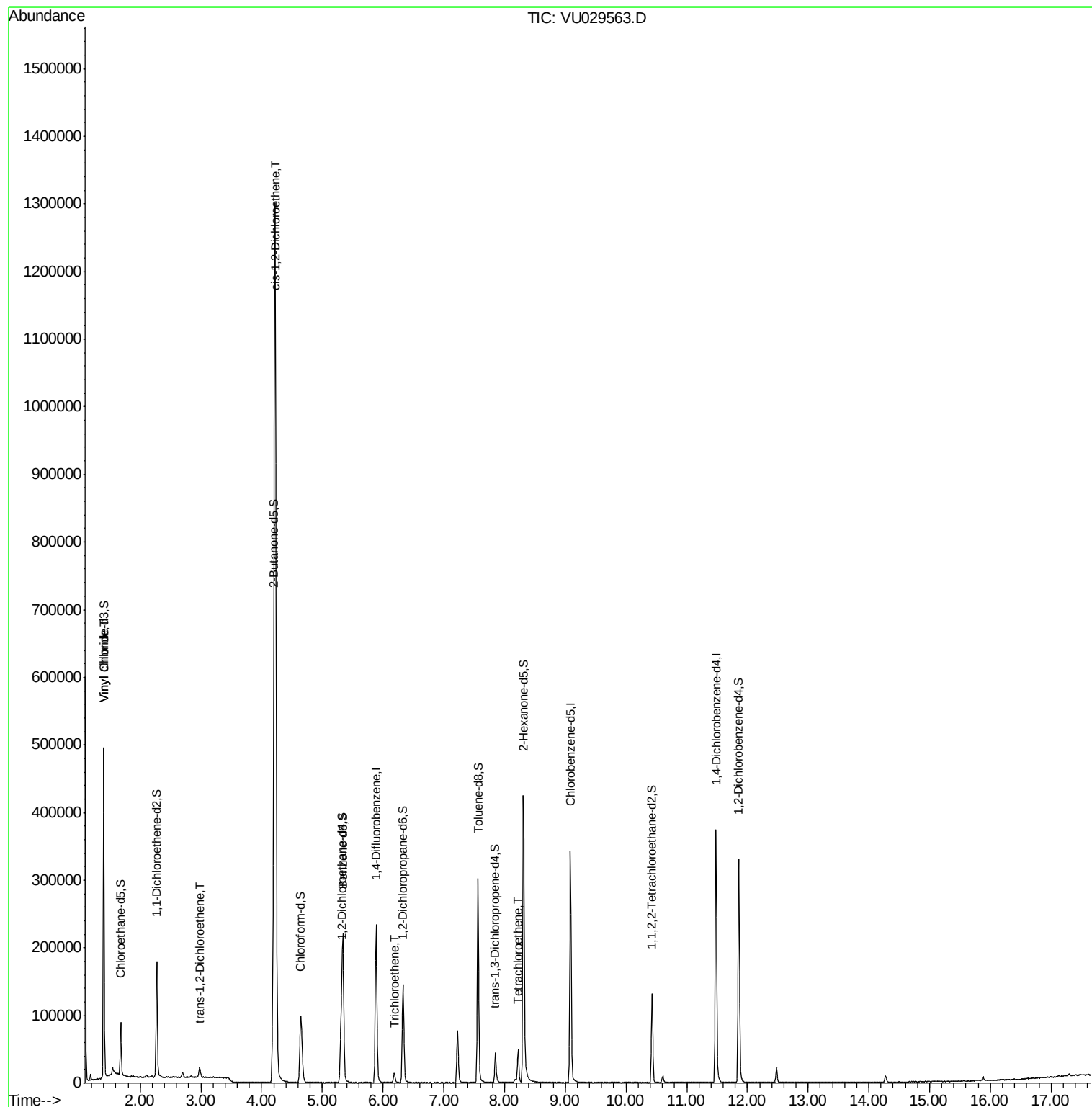
					Ovalue
5) Vinyl chloride	1.40	62	266028	13.180	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	6037	0.328	ug/L 95
22) cis-1,2-Dichloroethene	4.22	96	743663	43.955	ug/L 96
34) Trichloroethene	6.18	95	5256	0.311	ug/L 97
47) Tetrachloroethene	8.22	164	11953	0.773	ug/L 96

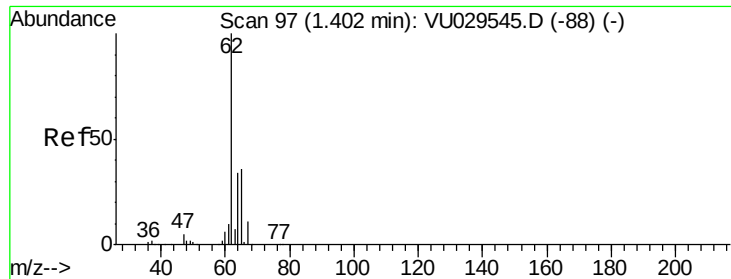
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 13.180 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

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Acq: 19 Feb 2019 18:26

Instrument :

MSVOA_U

ClientSampleID :

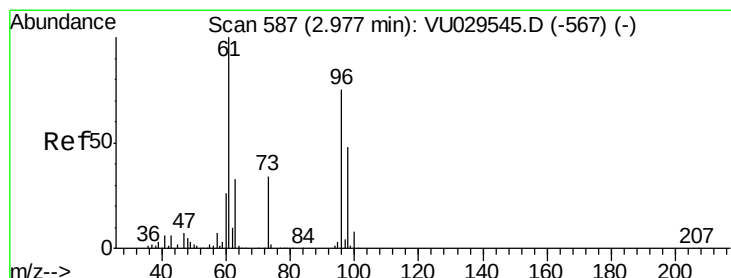
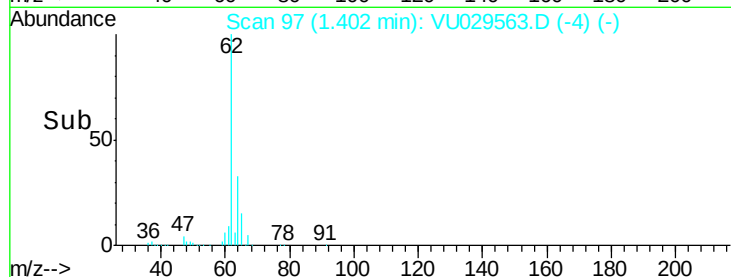
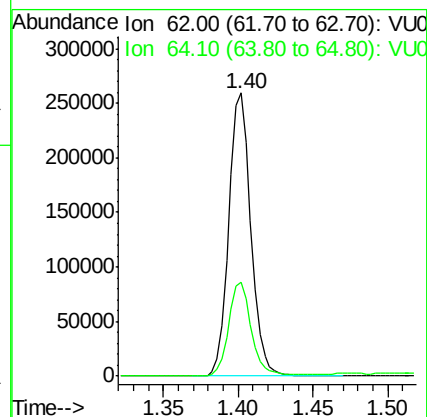
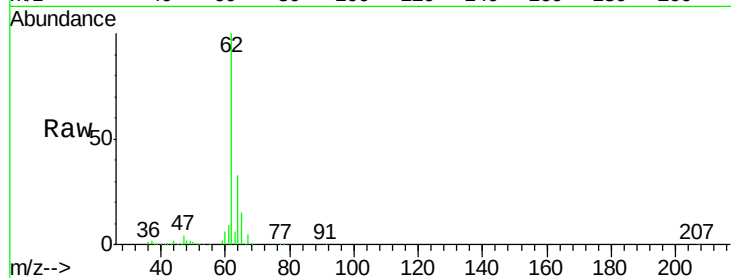
ESXE5

Tot Ion: 62 Resp: 266028

Ion Ratio Lower Upper

62 100

64 33.3 23.5 43.7



#18

trans-1,2-Dichloroethene

Concen: 0.328 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029563.D

Acq: 19 Feb 2019 18:26

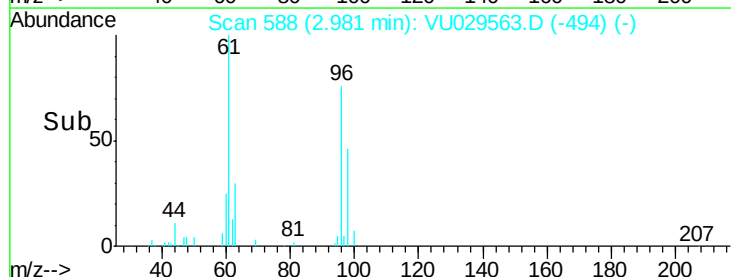
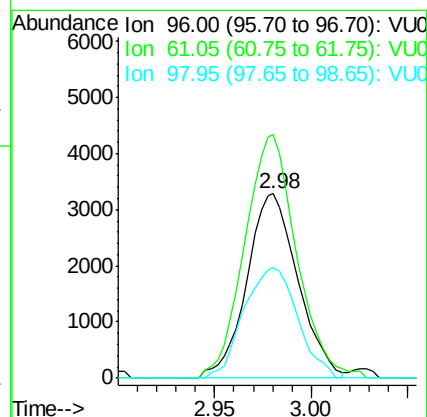
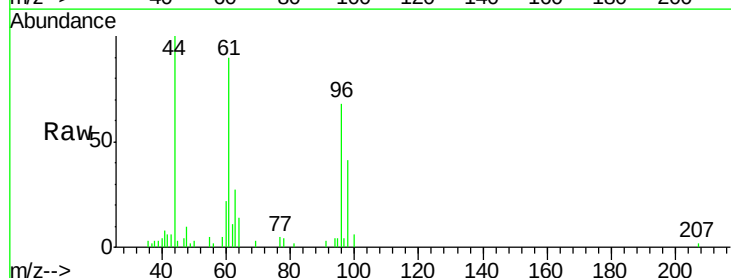
Tgt Ion: 96 Resp: 6037

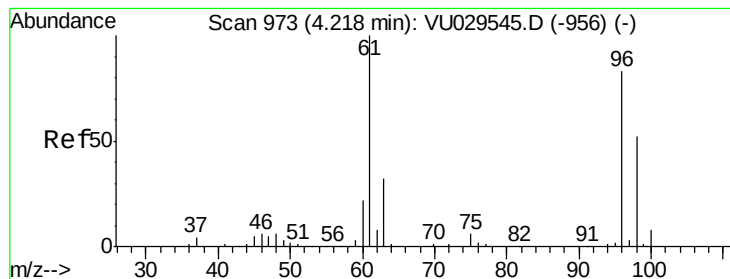
Ion Ratio Lower Upper

96 100

61 132.0 95.4 177.2

98 60.2 45.8 85.2



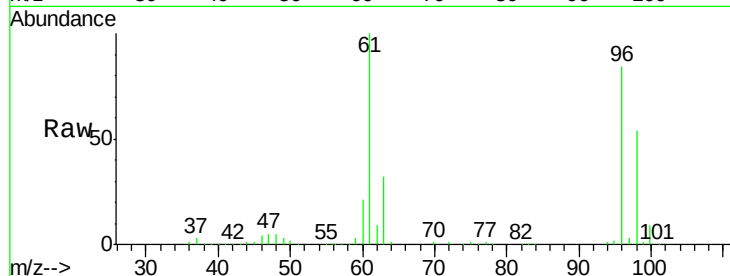


#22

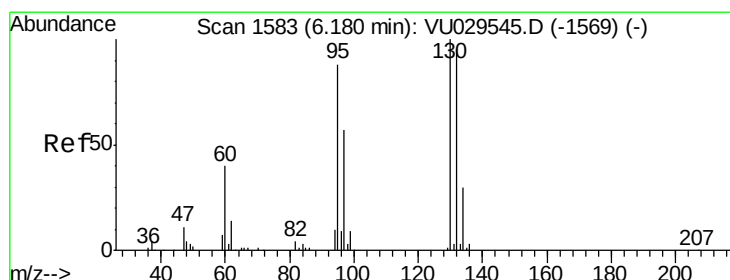
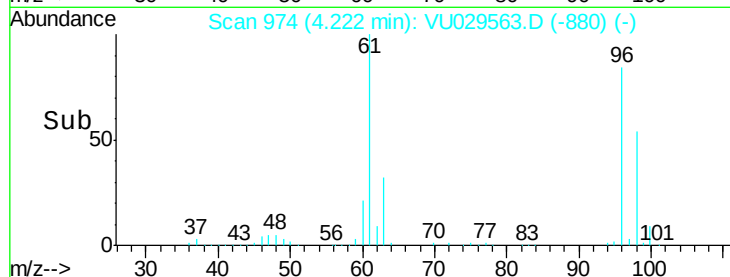
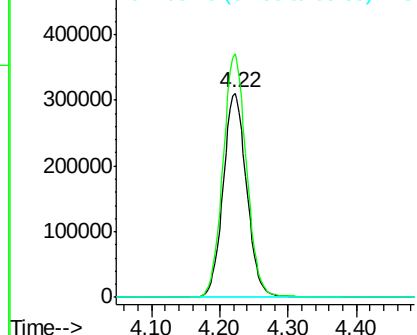
cis-1,2-Dichloroethene
 Concen: 43.955 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029563.D
 Acq: 19 Feb 2019 18:26

Instrument :
 MSVOA_U
 ClientSampleID :
 ESXE5

Tot Ion: 96 Resp: 743663
 Ion Ratio Lower Upper
 96 100
 61 119.1 79.9 148.5
 68 0.0 0.0 0.0



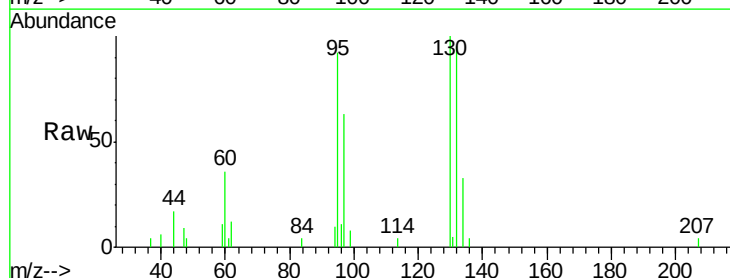
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



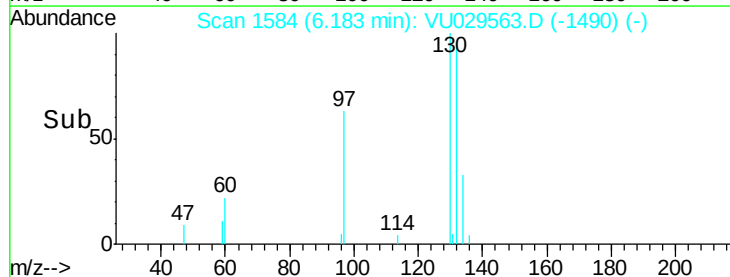
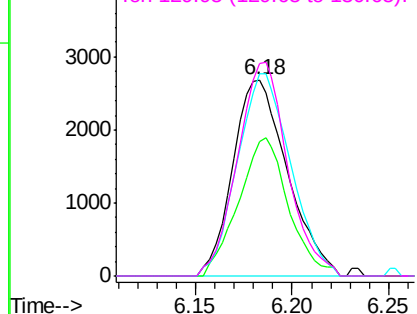
#34

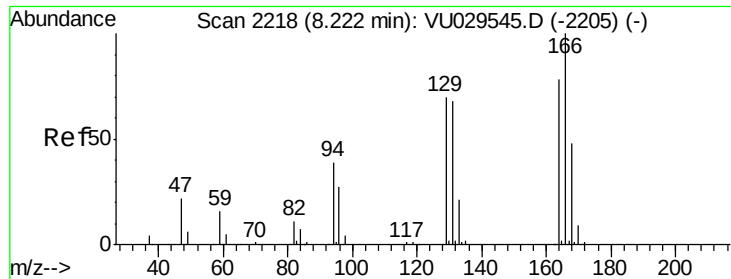
Trichloroethene
 Concen: 0.311 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029563.D
 Acq: 19 Feb 2019 18:26

Tgt Ion: 95 Resp: 5256
 Ion Ratio Lower Upper
 95 100
 97 68.6 46.3 86.1
 132 103.2 72.9 135.3
 130 108.3 79.2 147.0



Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 0.773 ug/L

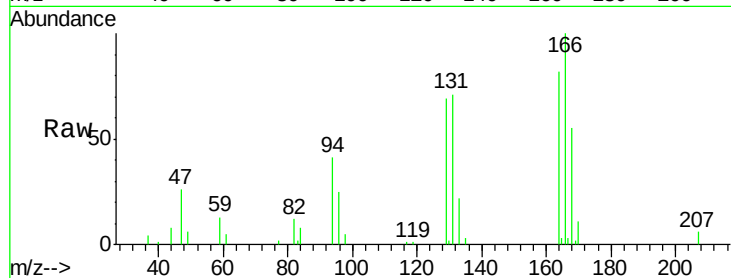
RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029563.D

Acq: 19 Feb 2019 18:26

Instrument :
MSVOA_U
ClientSampleId :
ESXE5



Tot Ion:164 Resp: 11953

Ion Ratio Lower Upper

164 100

129 84.3 62.9 116.9

131 87.1 62.1 115.3

166 122.7 89.8 166.8

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

