

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021919\
 Data File : VU029557.D
 Acq On : 19 Feb 2019 16:04
 Operator : JC/SP
 Sample : K1488-20DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF7DL

Quant Time: Feb 25 03:06:26 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	211336	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	204133	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109803	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56810	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.68	69	53635	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.27	63	91532	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	4.19	46	153497	51.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.98%
24) Chloroform-d	4.65	84	101264	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.31	65	58108	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.34	84	223048	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.33	67	70370	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.56	98	212886	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.85	79	26578	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.31	63	152850	51.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	60254	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	97997	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

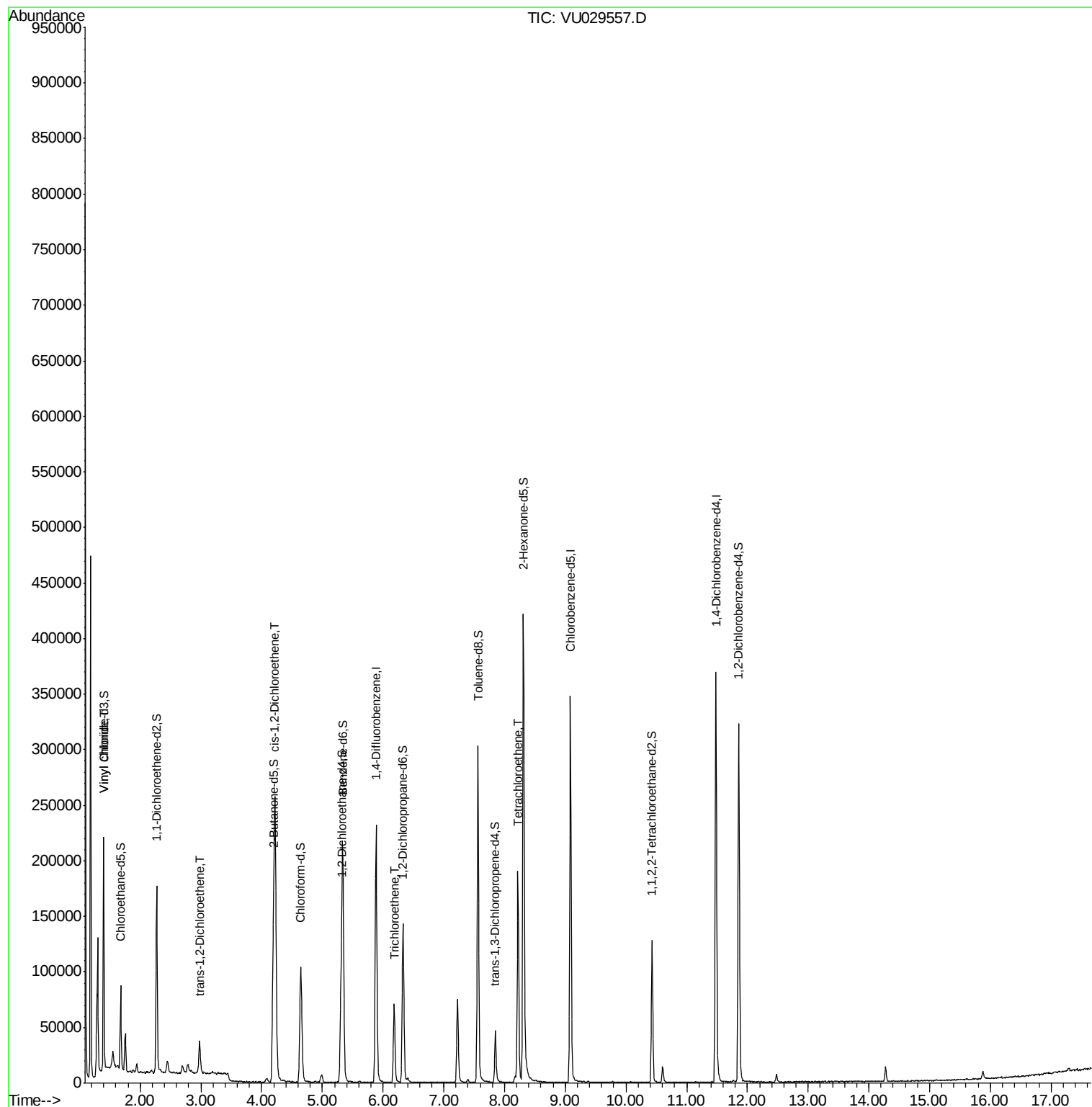
					Qvalue
5) Vinyl chloride	1.40	62	21631	1.063 ug/L #	73
18) trans-1,2-Dichloroethene	2.98	96	11065	0.597 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	129070	7.566 ug/L	92
34) Trichloroethene	6.18	95	24382	1.443 ug/L	95
47) Tetrachloroethene	8.22	164	46173	2.984 ug/L	97

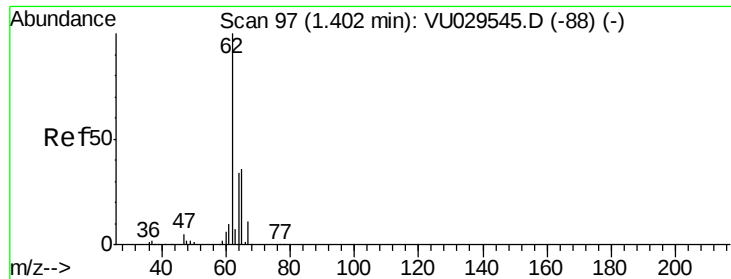
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.063 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029557.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

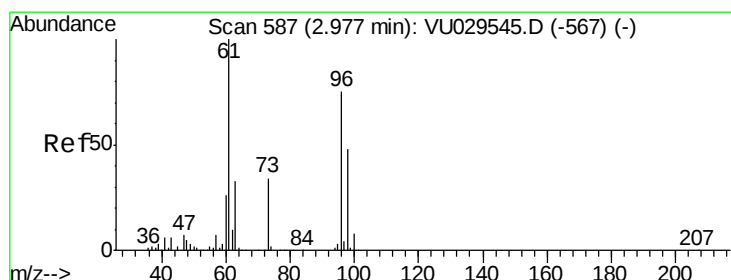
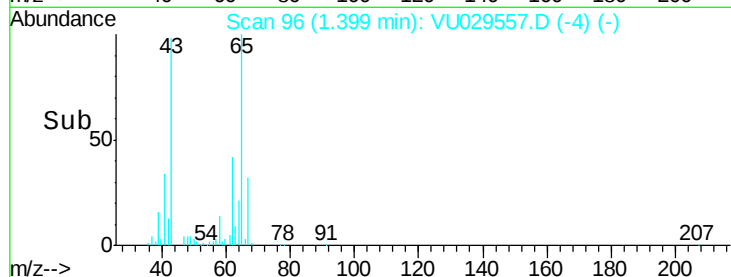
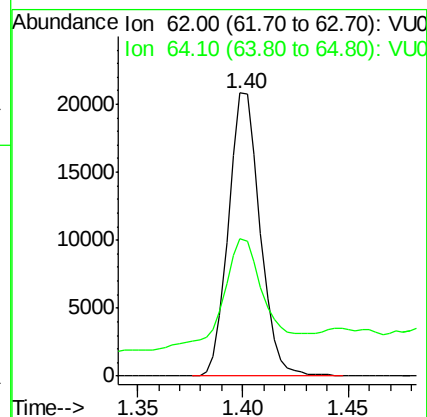
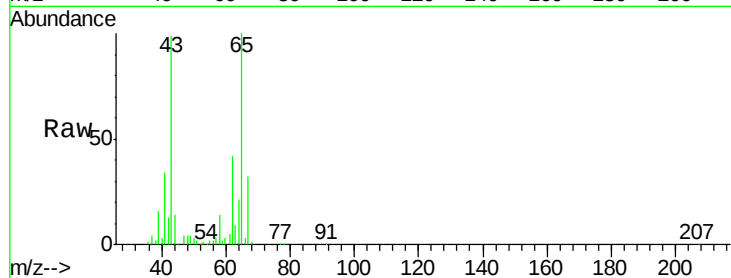
ESXF7DL

Tgt Ion: 62 Resp: 21631

Ion Ratio Lower Upper

62 100

64 48.8 23.5 43.7#



#18

trans-1,2-Dichloroethene

Concen: 0.597 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029557.D

Acq: 19 Feb 2019 16:04

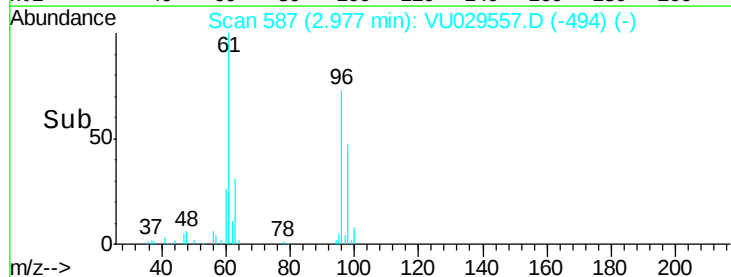
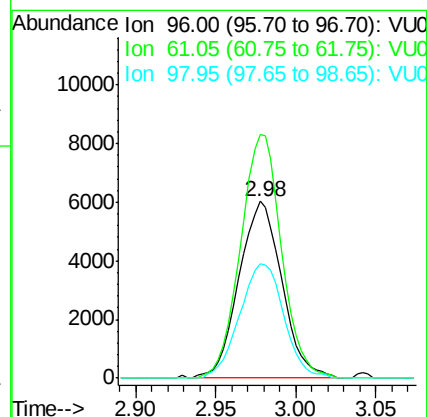
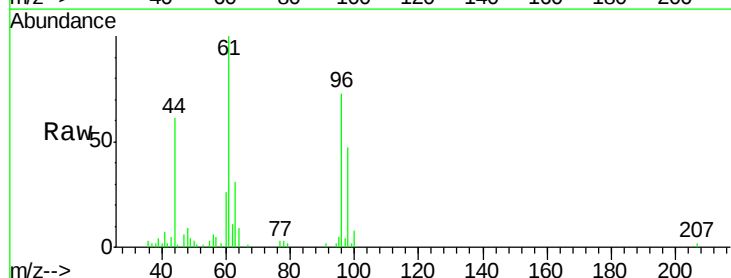
Tgt Ion: 96 Resp: 11065

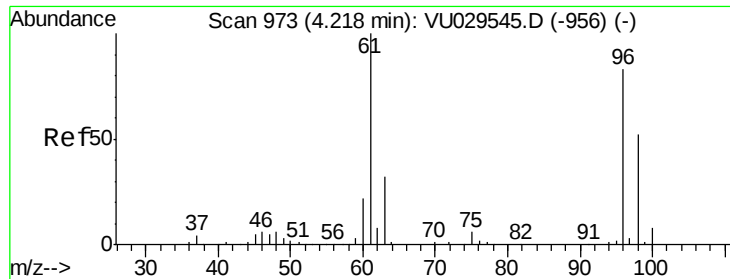
Ion Ratio Lower Upper

96 100

61 137.6 95.4 177.2

98 64.3 45.8 85.2



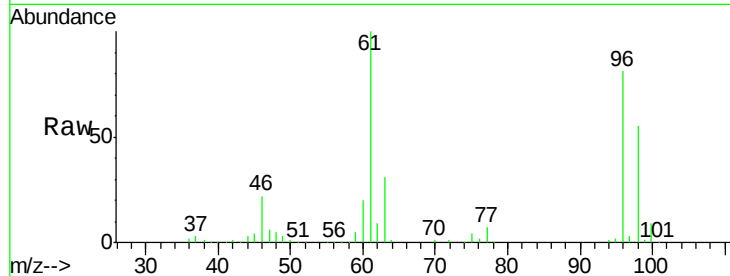


#22

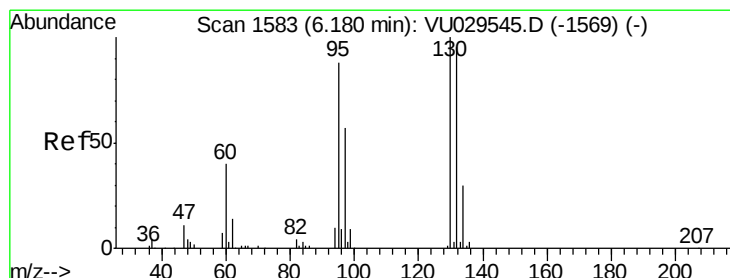
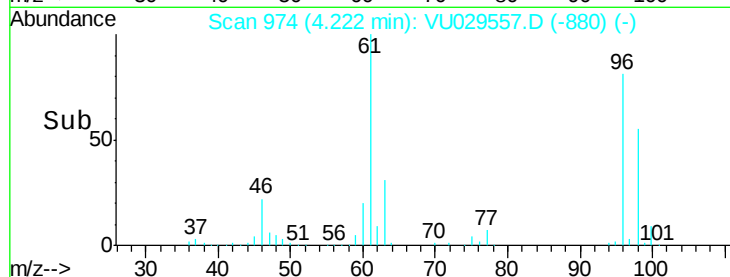
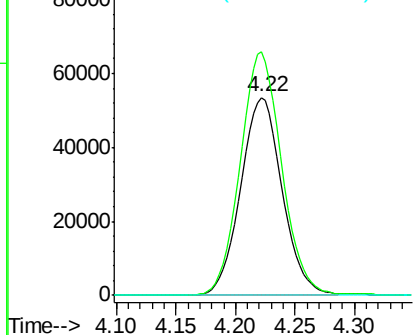
cis-1,2-Dichloroethene
Concen: 7.566 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029557.D
Acq: 19 Feb 2019 16:04

Instrument :
MSVOA_U
ClientSampleId :
ESXF7DL

Tgt Ion: 96 Resp: 129070
Ion Ratio Lower Upper
96 100
61 123.2 79.9 148.5
68 0.0 0.0 0.0



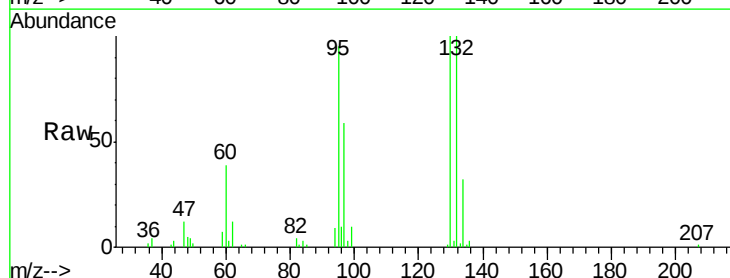
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



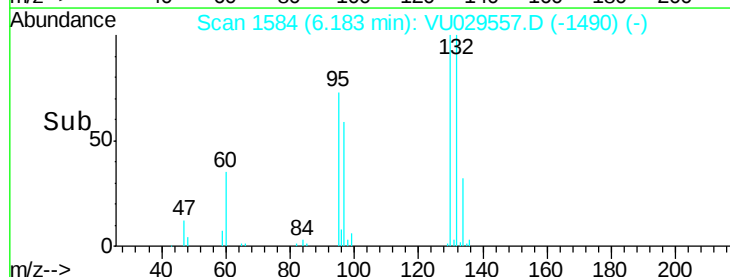
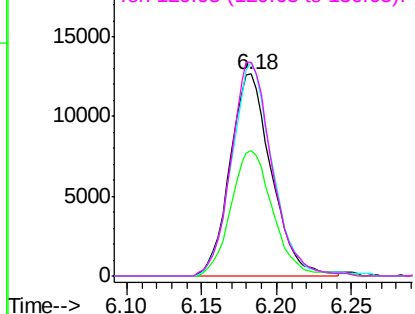
#34

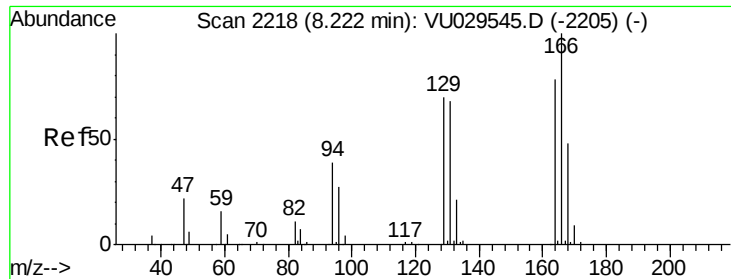
Trichloroethene
Concen: 1.443 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029557.D
Acq: 19 Feb 2019 16:04

Tgt Ion: 95 Resp: 24382
Ion Ratio Lower Upper
95 100
97 62.0 46.3 86.1
132 105.7 72.9 135.3
130 105.7 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: 2.984 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU029557.D

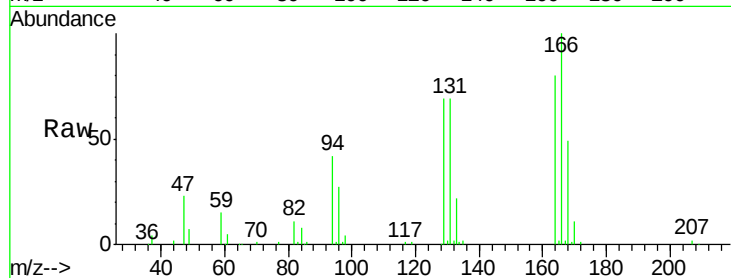
Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

ESXF7DL



Tgt Ion:164 Resp: 46173

Ion Ratio Lower Upper

164 100

129 86.6 62.9 116.9

131 85.9 62.1 115.3

166 125.4 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

