

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010820\
 Data File : VU036409.D
 Acq On : 08 Jan 2020 15:55
 Operator : JC/MD
 Sample : L1042-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFRA7

Quant Time: Jan 09 04:50:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 09 03:50:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	480563	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	453436	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	170485	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	149604	39.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.90%
7) Chloroethane-d5	1.93	69	138748	43.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.86%
11) 1,1-Dichloroethene-d2	2.59	63	234327	36.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.46%
21) 2-Butanone-d5	4.68	46	277811	99.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.63%
24) Chloroform-d	5.11	84	332527	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
26) 1,2-Dichloroethane-d4	5.75	65	226279	52.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.44%
32) Benzene-d6	5.77	84	655499	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.86%
36) 1,2-Dichloropropane-d6	6.73	67	214558	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.36%
41) Toluene-d8	7.93	98	602543	49.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.44%
43) trans-1,3-Dichloropropene-	8.21	79	108851	47.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.76%
47) 2-Hexanone-d5	8.67	63	213105	97.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.60%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	309685	48.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.46%
64) 1,2-Dichlorobenzene-d4	12.22	152	180329	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%

Target Compounds

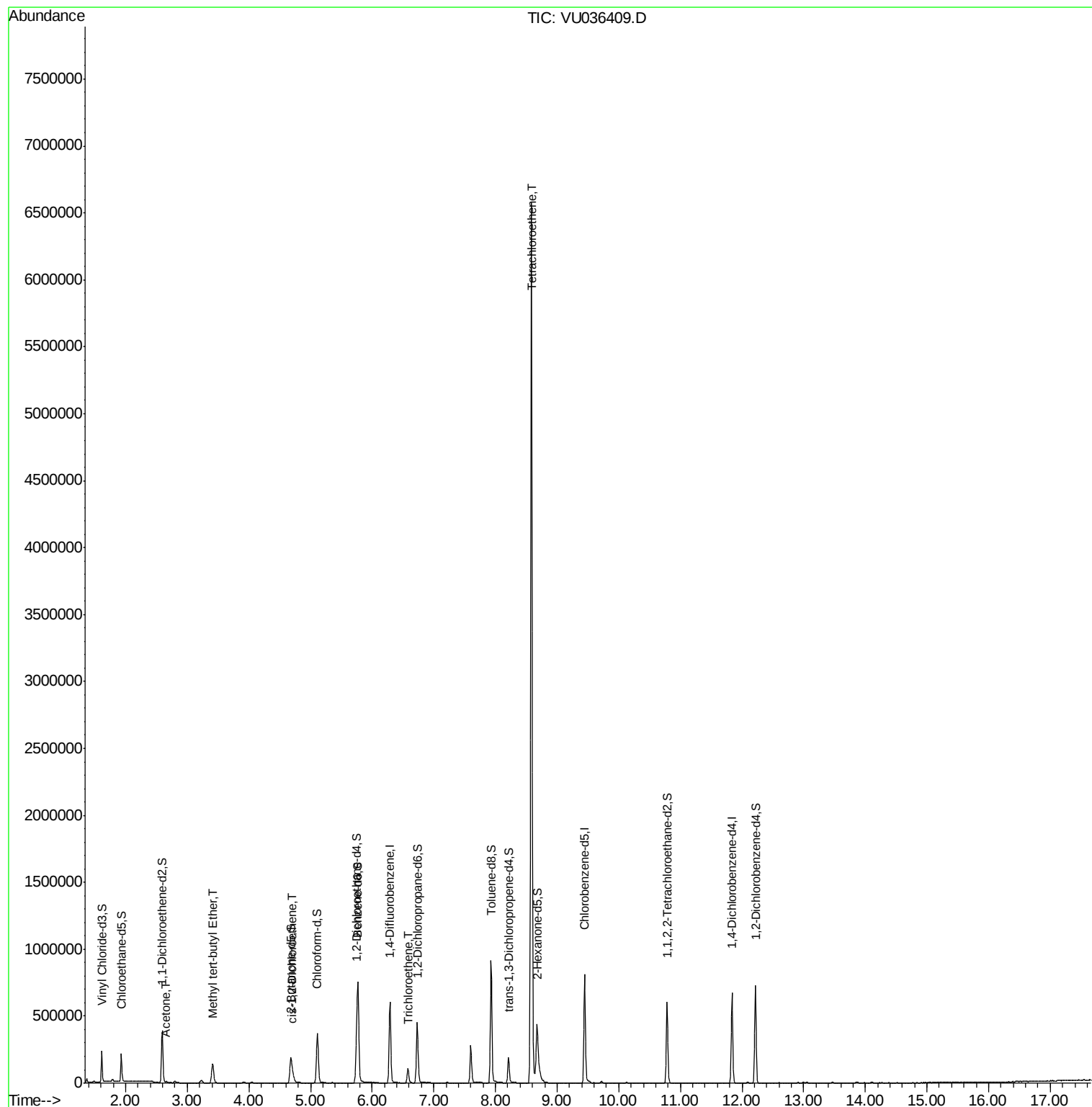
					Qvalue
13) Acetone	2.66	43	7363	2.546 ug/L	100
18) Methyl tert-butyl Ether	3.41	73	169618	15.553 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	24152	6.651 ug/L #	98
34) Trichloroethene	6.58	95	35807	10.427 ug/L	93
46) Tetrachloroethene	8.58	164	1289774	522.015 ug/L	96

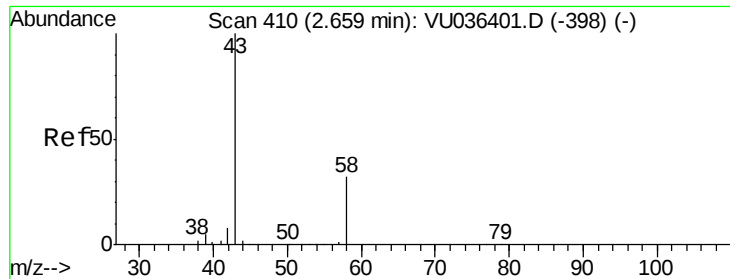
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.546 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036409.D

Acq: 08 Jan 2020 15:55

Instrument :

MSVOA_U

ClientSampleId :

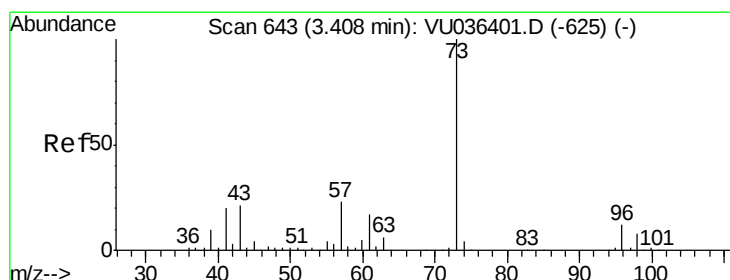
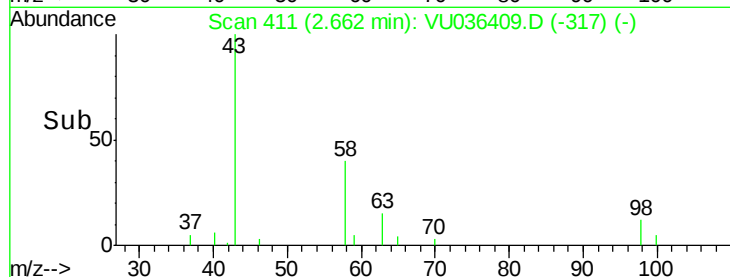
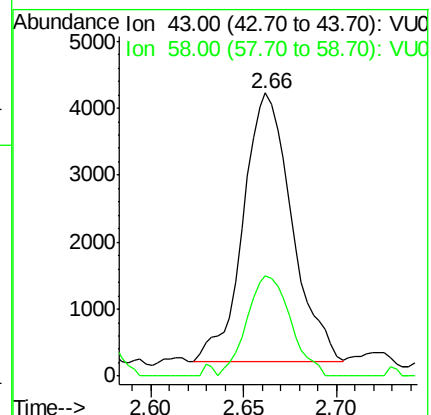
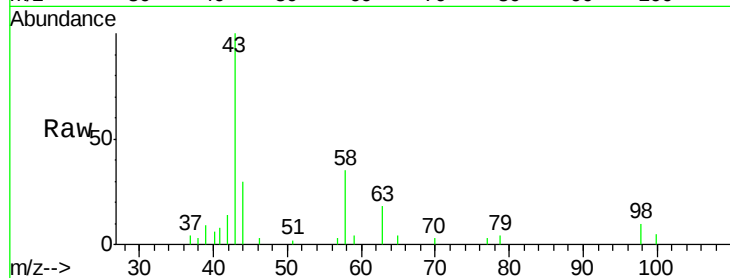
BFRA7

Tgt Ion: 43 Resp: 7363

Ion Ratio Lower Upper

43 100

58 33.2 0.0 66.2



#18

Methyl tert-butyl Ether

Concen: 15.553 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.01 min

Lab File: VU036409.D

Acq: 08 Jan 2020 15:55

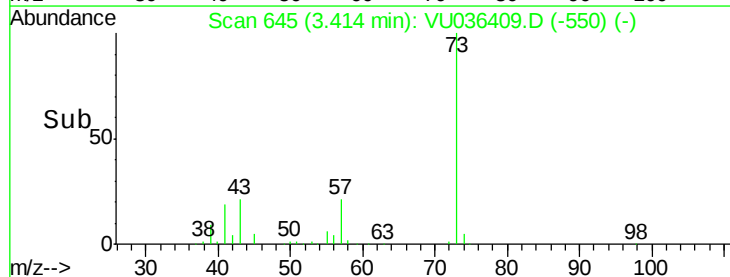
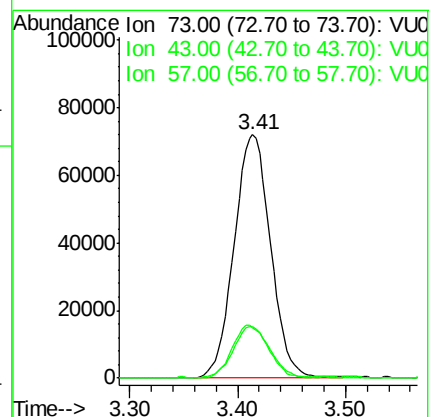
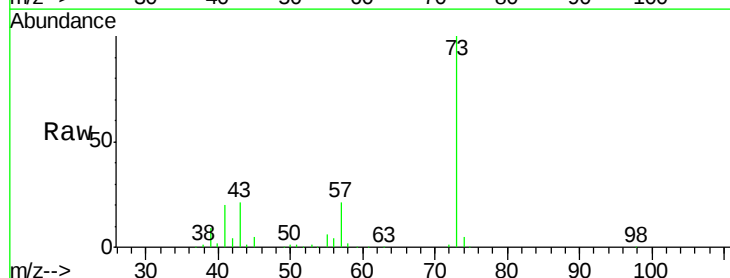
Tgt Ion: 73 Resp: 169618

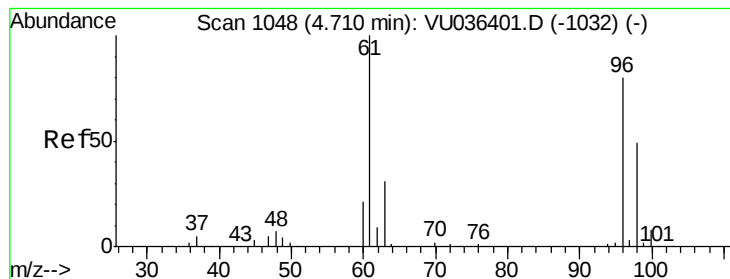
Ion Ratio Lower Upper

73 100

43 20.9 16.3 24.5

57 22.4 17.7 26.5





#20

cis-1,2-Dichloroethene

Concen: 6.651 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036409.D

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Instrument :

MSVOA_U

ClientSampleId :

BFRA7

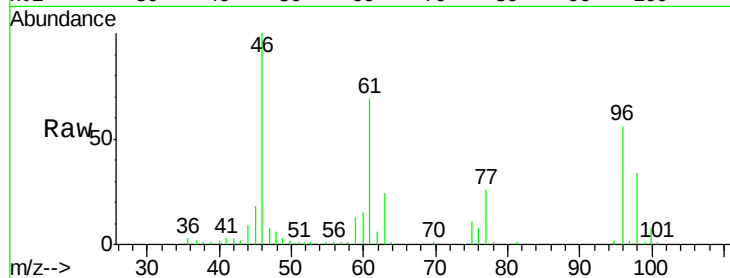
Tgt Ion: 96 Resp: 24152

Ion Ratio Lower Upper

96 100

61 123.9 85.1 158.1

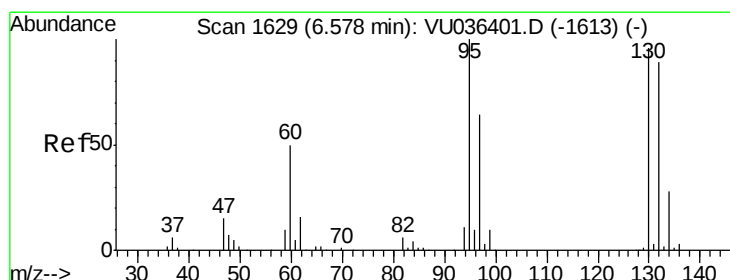
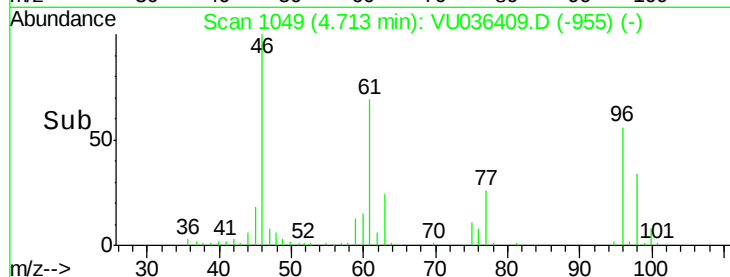
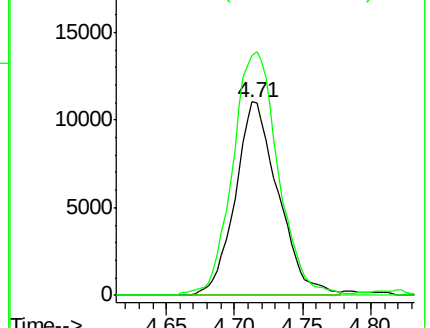
68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VU036401.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU036401.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU036401.D (-1032) (-)



#34

Trichloroethene

Concen: 10.427 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036409.D

Acq: 08 Jan 2020 15:55

Tgt Ion: 95 Resp: 35807

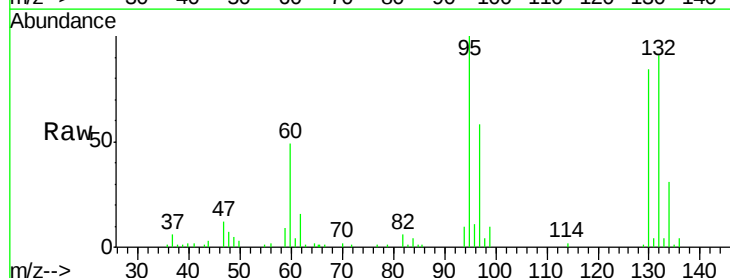
Ion Ratio Lower Upper

95 100

97 57.5 44.5 82.7

132 90.9 64.5 119.9

130 84.0 66.6 123.8

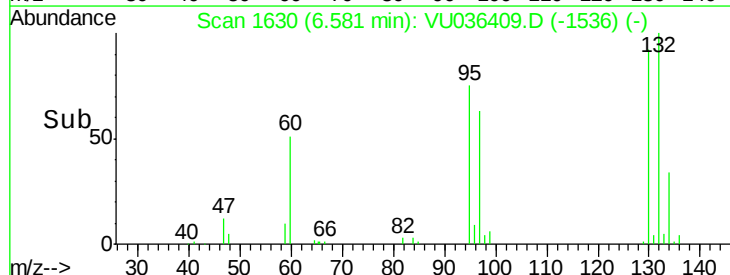
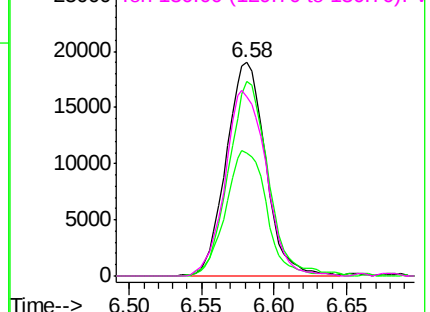


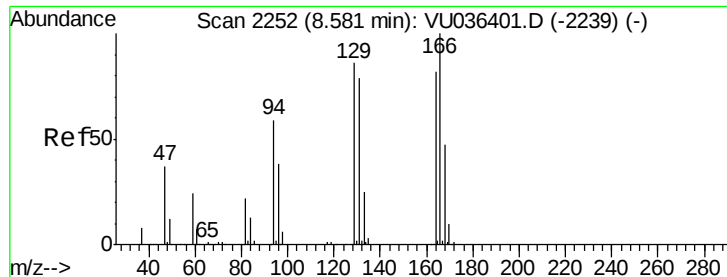
Abundance Ion 95.00 (94.70 to 95.70): VU036401.D (-1613) (-)

Ion 97.00 (96.70 to 97.70): VU036401.D (-1613) (-)

Ion 132.00 (131.70 to 132.70): VU036401.D (-1613) (-)

Ion 130.00 (129.70 to 130.70): VU036401.D (-1613) (-)





#46

Tetrachloroethene

Concen: 522.015 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036409.D

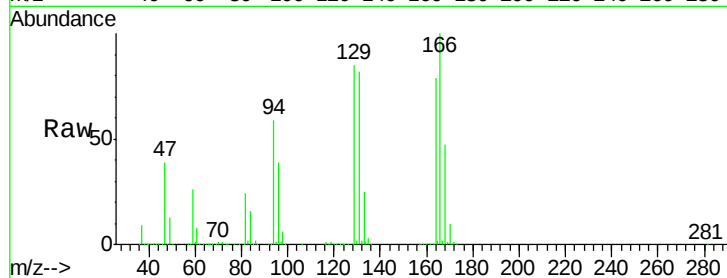
Acq: 08 Jan 2020 15:55

Instrument :

MSVOA_U

ClientSampleId :

BFRA7



Tgt Ion:164 Resp: 1289774

Ion Ratio Lower Upper

164 100

129 107.8 70.0 130.0

131 103.4 70.1 130.1

166 126.3 87.2 161.9

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

