

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015551.D
 Acq On : 17 Apr 2020 13:40
 Operator : SY/MD
 Sample : L2320-06DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR3DL

Quant Time: Apr 18 01:32:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	93278	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	87138	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	42554	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23619	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.58	69	22398	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.12	63	35614	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	3.93	46	72766	53.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.10%
24) Chloroform-d	4.38	84	52977	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.06	65	30291	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.07	84	101081	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.10	67	31874	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.34	98	92232	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.65	79	12278	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.11	63	58920	46.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	20720	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	34760	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

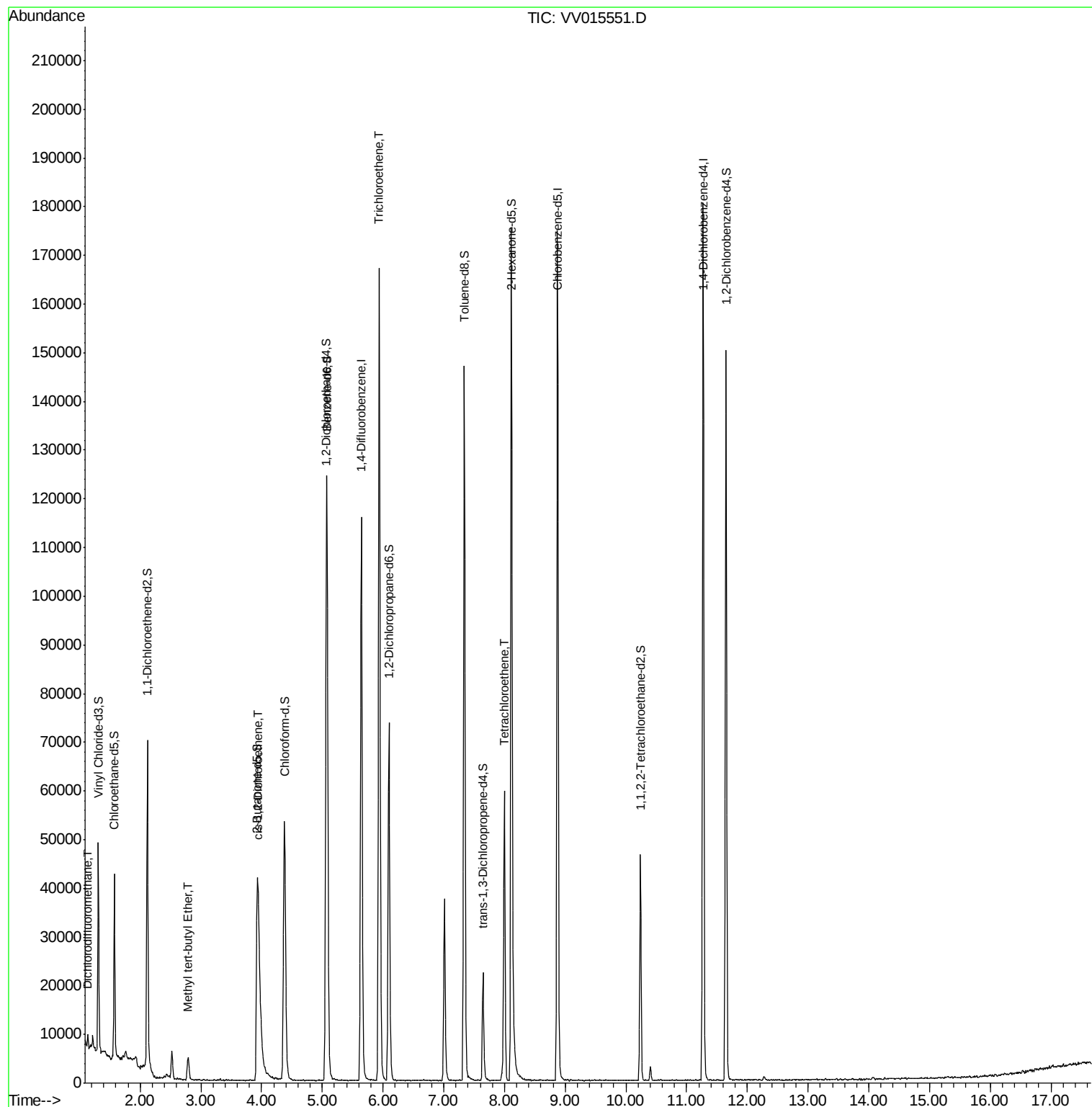
					Ovalue
2) Dichlorodifluoromethane	1.14	85	1095	0.119 ug/L	91
17) Methyl tert-butyl Ether	2.79	73	4517	0.289 ug/L #	89
22) cis-1,2-Dichloroethene	3.95	96	1903	0.278 ug/L	85
34) Trichloroethene	5.94	95	56744	8.084 ug/L	98
47) Tetrachloroethene	8.00	164	12063	2.319 ug/L	99

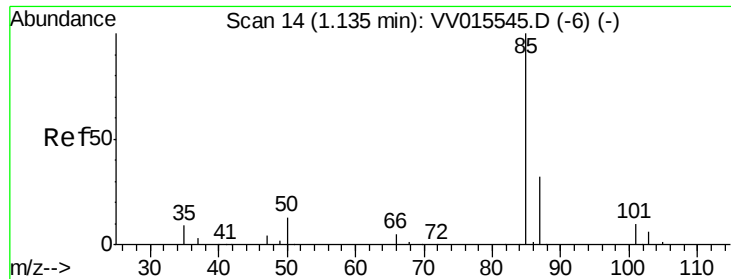
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.119 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015551.D

Acq: 17 Apr 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

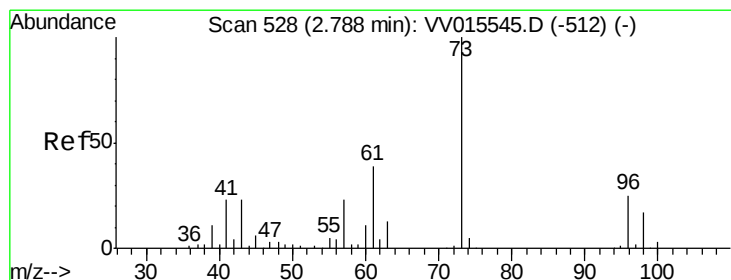
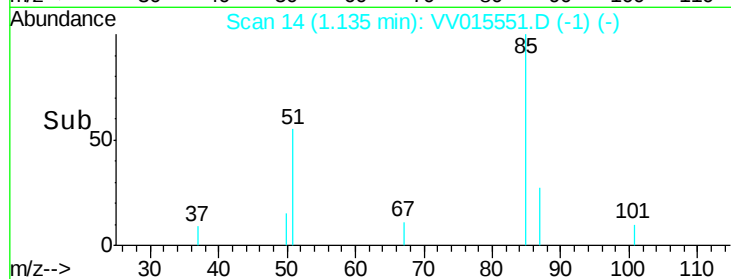
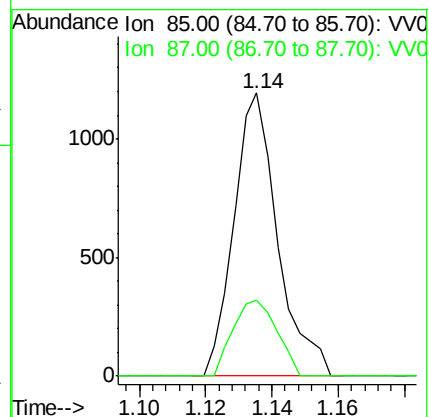
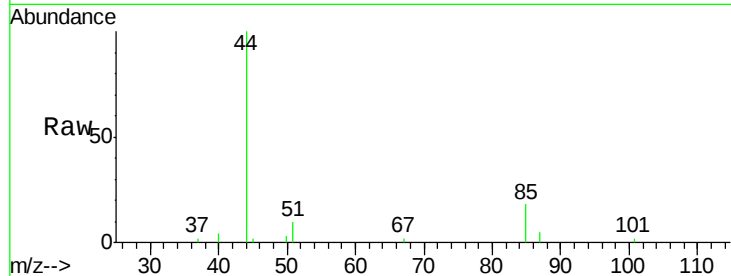
BFRR3DL

Tot Ion: 85 Resp: 1095

Ion Ratio Lower Upper

85 100

87 26.8 25.3 37.9



#17

Methyl tert-butyl Ether

Concen: 0.289 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015551.D

Acq: 17 Apr 2020 13:40

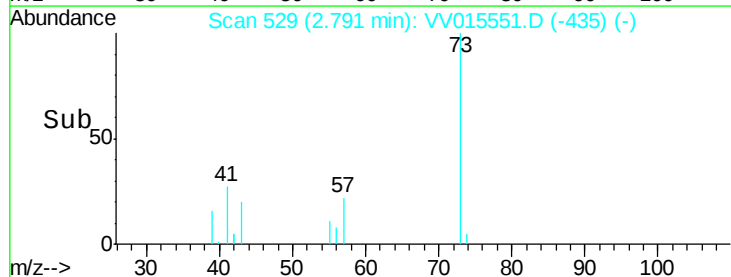
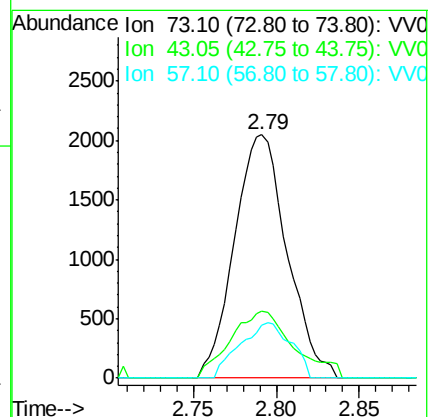
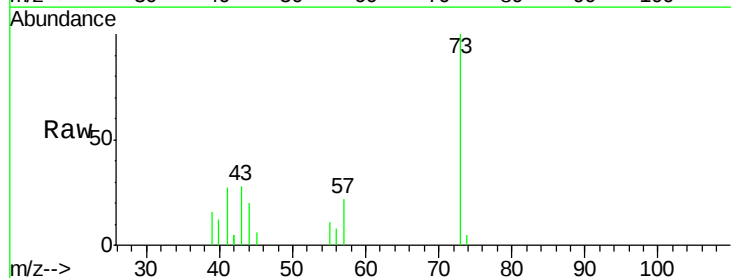
Tgt Ion: 73 Resp: 4517

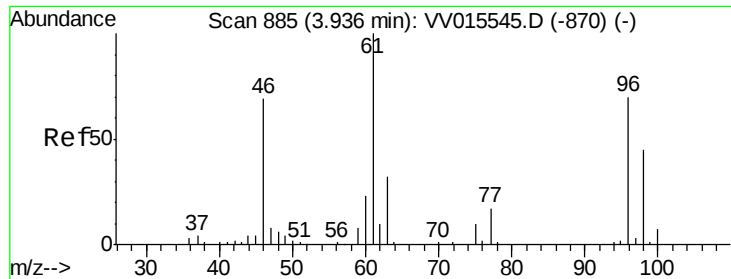
Ion Ratio Lower Upper

73 100

43 32.9 18.3 27.5#

57 22.0 18.4 27.6





#22

cis-1,2-Dichloroethene

Concen: 0.278 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.01 min

Lab File: VV015551.D

Acq: 17 Apr 2020 13:40

Instrument :

MSVOA_V

ClientSampled :

BFR3DL

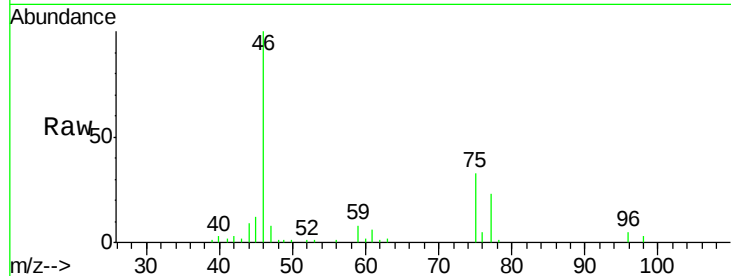
Tot Ion: 96 Resp: 1903

Ion Ratio Lower Upper

96 100

61 123.8 100.0 185.8

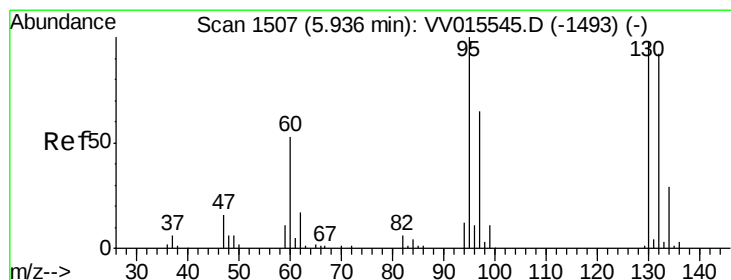
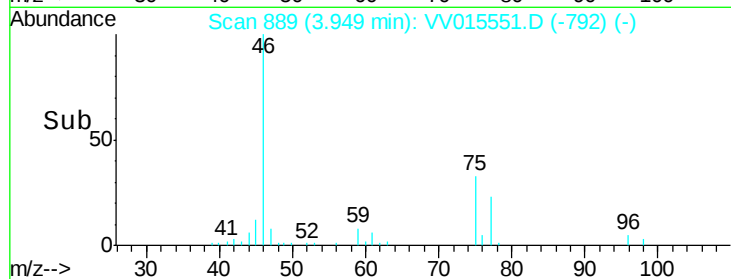
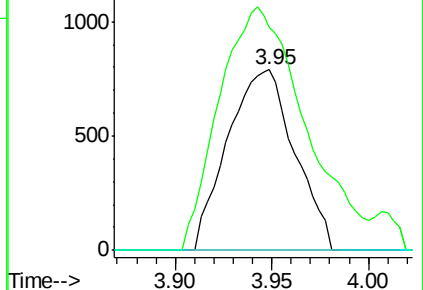
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#34

Trichloroethene

Concen: 8.084 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015551.D

Acq: 17 Apr 2020 13:40

Tgt Ion: 95 Resp: 56744

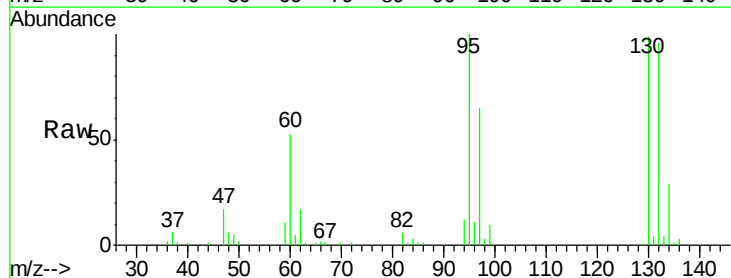
Ion Ratio Lower Upper

95 100

97 65.3 45.4 84.4

132 95.9 64.8 120.4

130 98.7 67.4 125.2

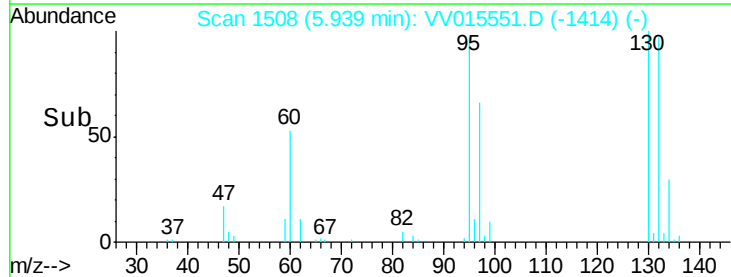
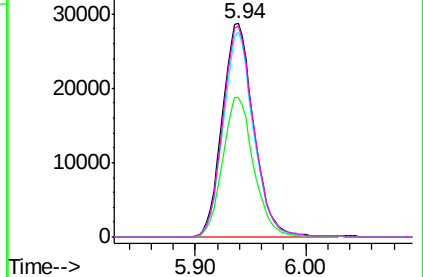


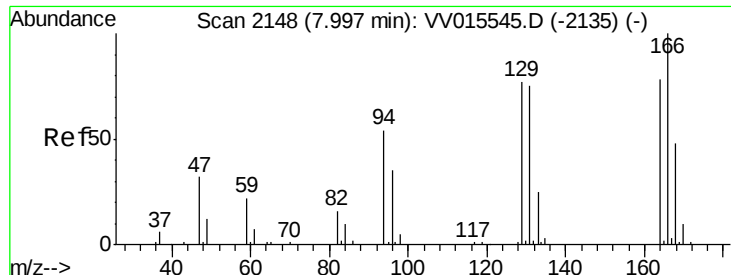
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#47

Tetrachloroethene

Concen: 2.319 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015551.D

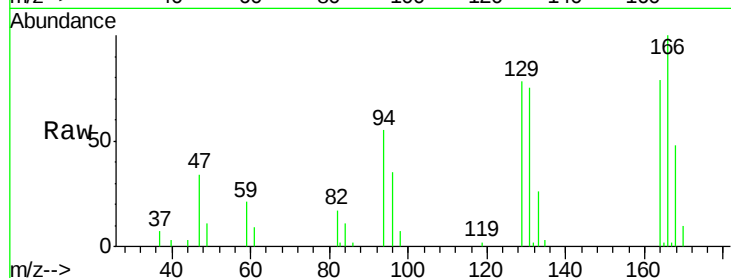
Acq: 17 Apr 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

BFRR3DL



Tot Ion:164 Resp: 12063

Ion Ratio Lower Upper

164 100

129 99.9 70.6 131.0

131 95.0 68.3 126.8

166 127.4 88.3 163.9

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

