

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120419\
 Data File : VU035970.D
 Acq On : 04 Dec 2019 14:30
 Operator : JC/SP
 Sample : K6055-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Dec 05 04:41:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 05 03:54:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	293449	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	319302	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	106259	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	147571	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.93	69	125591	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.59	63	166185	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.70	46	287640	48.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.12%
24) Chloroform-d	5.11	84	223065	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.75	65	120022	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.77	84	424337	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.73	67	138574	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.93	98	345446	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	8.22	79	51485	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.68	63	211390	43.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.92%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	117410	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	109372	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

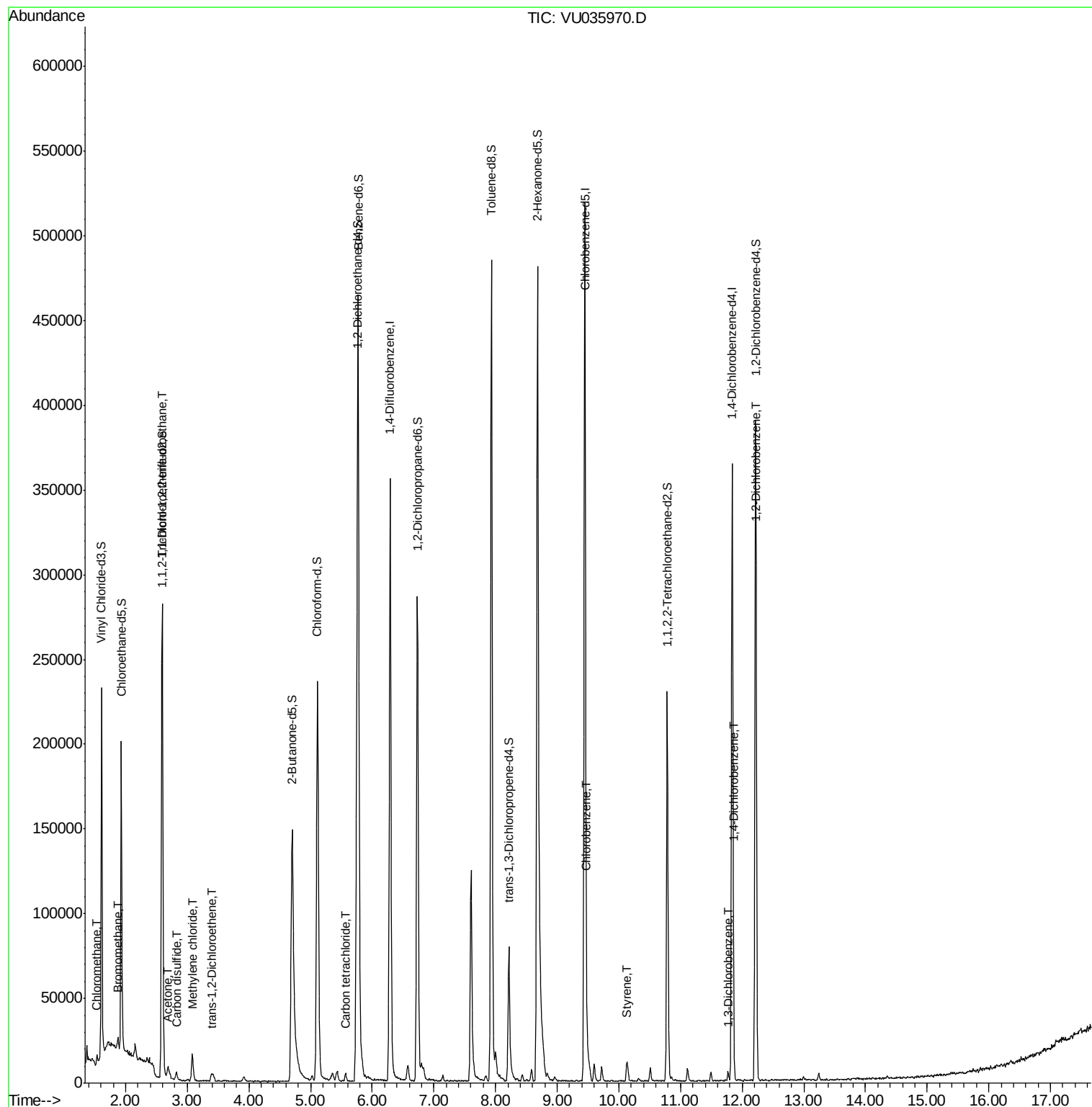
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.54	50	3183	0.092	ug/L	98
6) Bromomethane	1.87	94	2224	0.111	ug/L	85
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	3254	0.144	ug/L #	52
13) Acetone	2.69	43	10488	1.958	ug/L	93
14) Carbon disulfide	2.82	76	6487	0.088	ug/L #	95
16) Methylene chloride	3.08	84	7857	0.241	ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	1832	0.082	ug/L	94
31) Carbon tetrachloride	5.57	117	2786	0.081	ug/L	89
51) Chlorobenzene	9.48	112	6494	0.099	ug/L	92
55) Styrene	10.14	104	3867	0.061	ug/L	95
62) 1,3-Dichlorobenzene	11.77	146	2886	0.082	ug/L	86
63) 1,4-Dichlorobenzene	11.87	146	3618	0.103	ug/L #	76
65) 1,2-Dichlorobenzene	12.24	146	3076	0.091	ug/L #	76

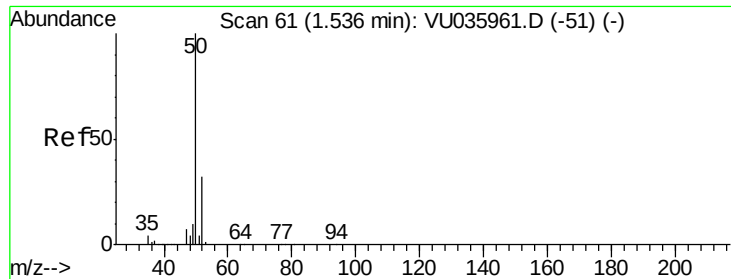
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.092 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

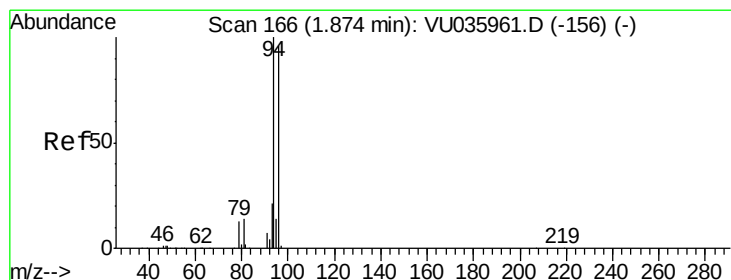
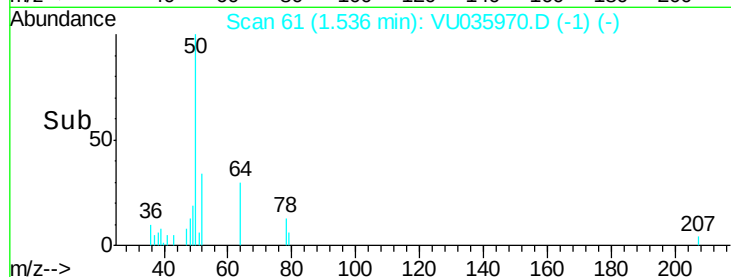
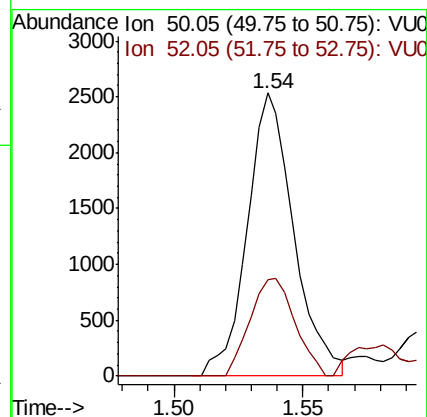
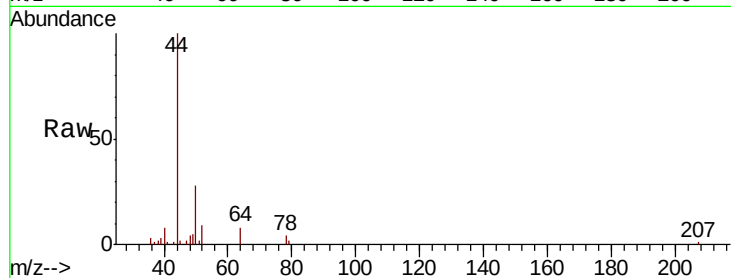
VHBLK01

Tot Ion: 50 Resp: 3183

Ion Ratio Lower Upper

50 100

52 34.0 23.1 42.9



#6

Bromomethane

Concen: 0.111 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035970.D

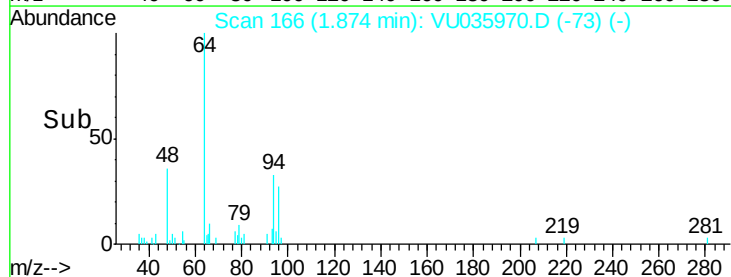
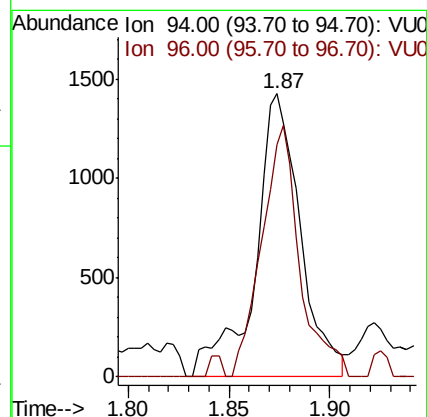
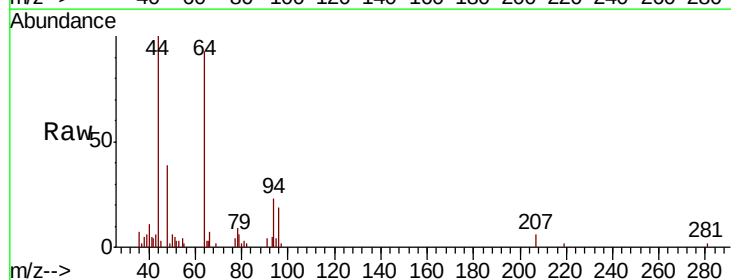
Acq: 04 Dec 2019 14:30

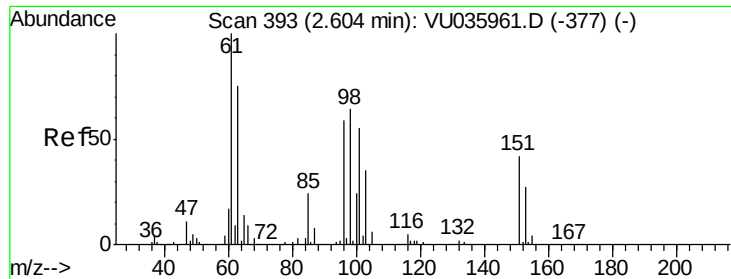
Tgt Ion: 94 Resp: 2224

Ion Ratio Lower Upper

94 100

96 81.8 67.3 124.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.144 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

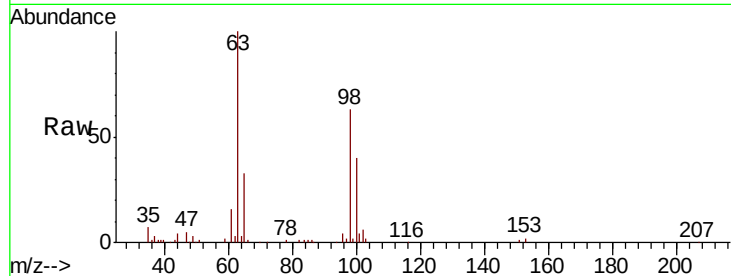
Tot Ion:101 Resp: 3254

Ion Ratio Lower Upper

101 100

85 27.2 35.5 53.3#

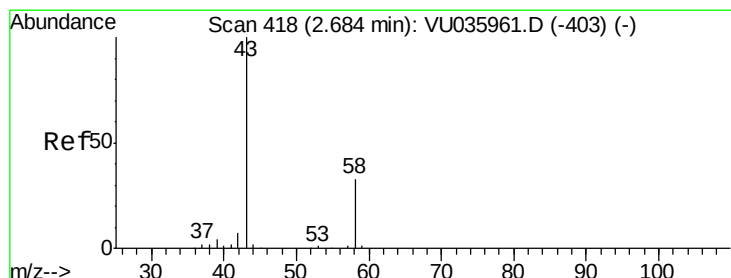
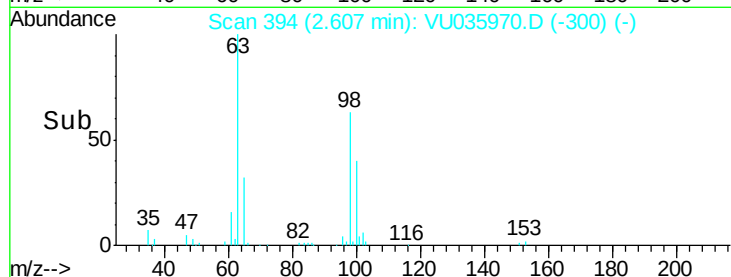
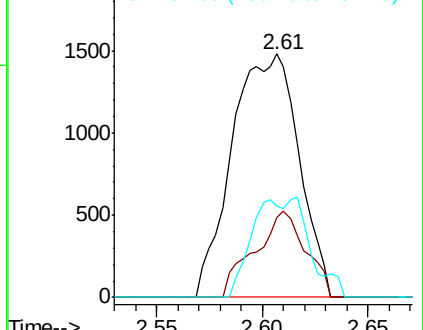
151 20.3 57.5 86.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.958 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.00 min

Lab File: VU035970.D

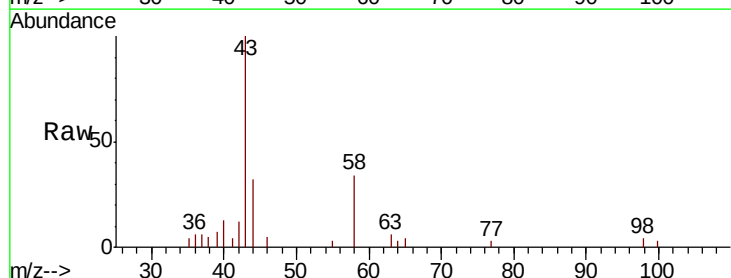
Acq: 04 Dec 2019 14:30

Tgt Ion: 43 Resp: 10488

Ion Ratio Lower Upper

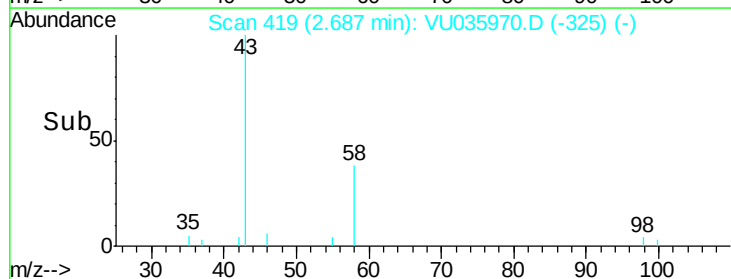
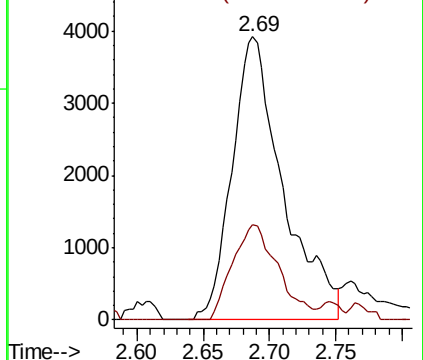
43 100

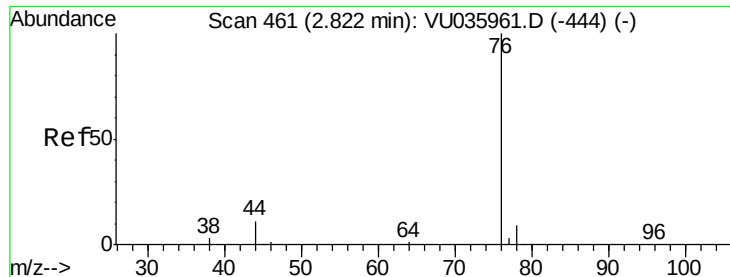
58 30.3 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.088 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

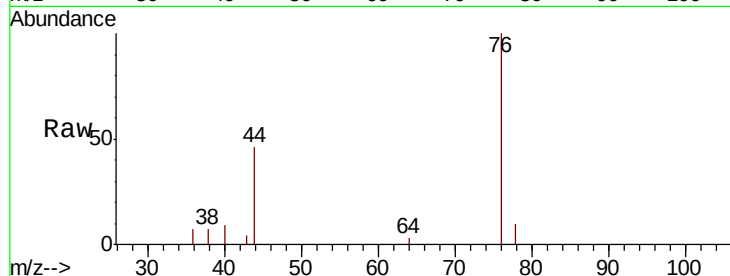
VHBLK01

Tot Ion: 76 Resp: 6487

Ion Ratio Lower Upper

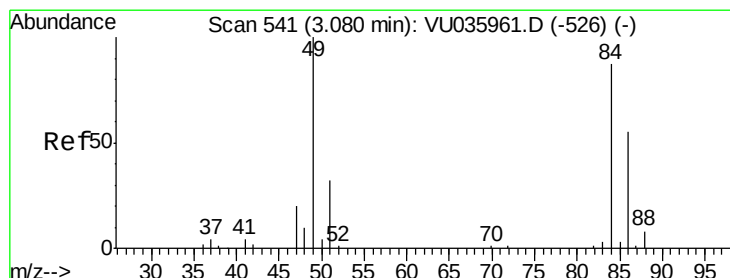
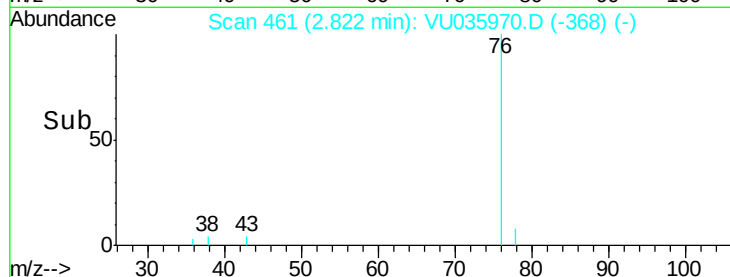
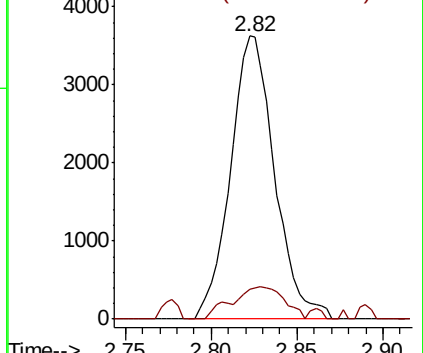
76 100

78 10.4 6.9 10.3#



Abundance Ion 76.05 (75.75 to 76.75): VU035970.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU035970.D (-368) (-)



#16

Methylene chloride

Concen: 0.241 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

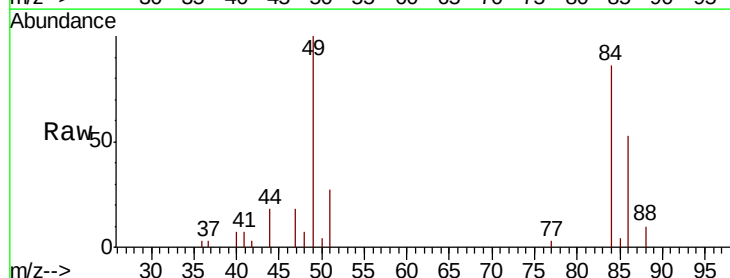
Tgt Ion: 84 Resp: 7857

Ion Ratio Lower Upper

84 100

86 61.6 44.7 82.9

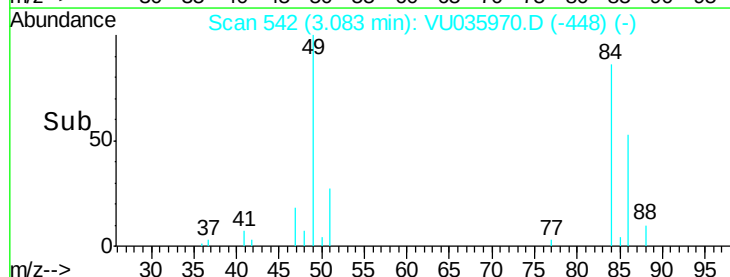
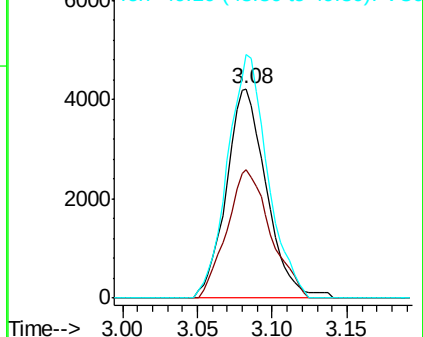
49 116.3 86.2 160.2

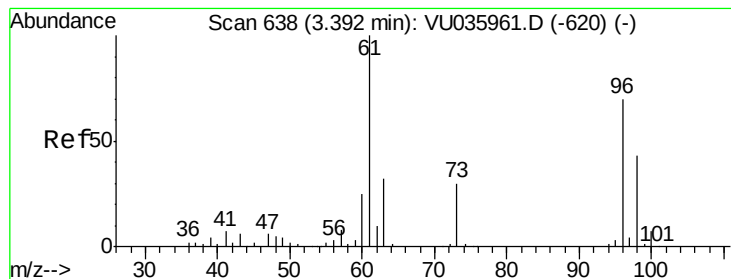


Abundance Ion 84.05 (83.75 to 84.75): VU035970.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035970.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035970.D (-448) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.082 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

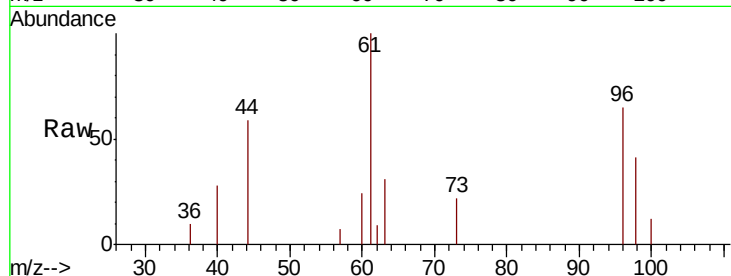
Tot Ion: 96 Resp: 1832

Ion Ratio Lower Upper

96 100

61 154.1 101.2 187.8

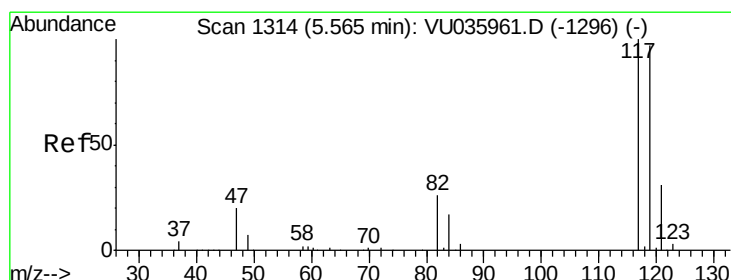
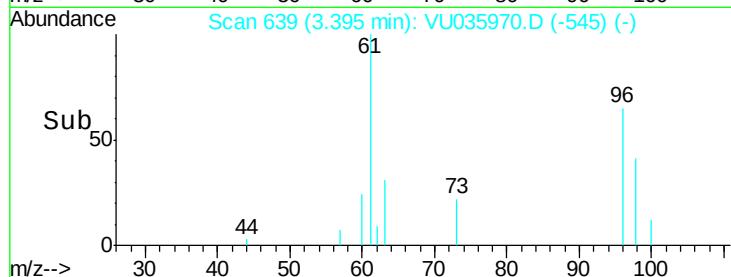
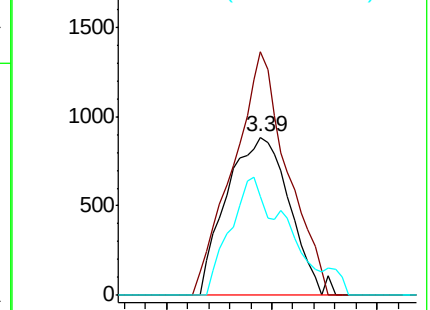
98 63.0 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU035970.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035970.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035970.D (-545) (-)



#31

Carbon tetrachloride

Concen: 0.081 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035970.D

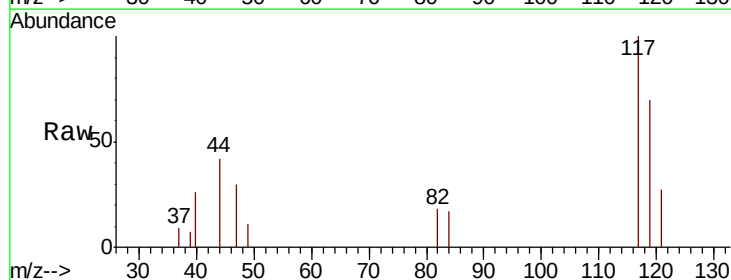
Acq: 04 Dec 2019 14:30

Tgt Ion: 117 Resp: 2786

Ion Ratio Lower Upper

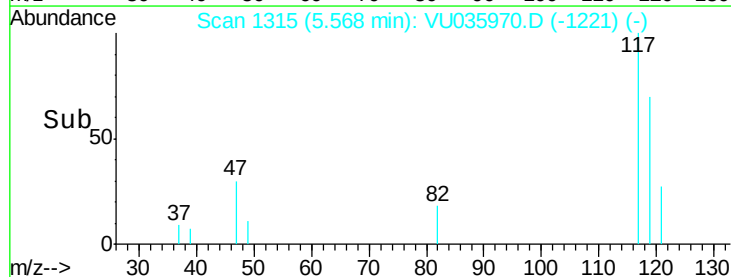
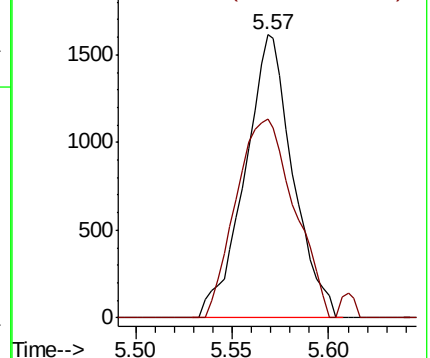
117 100

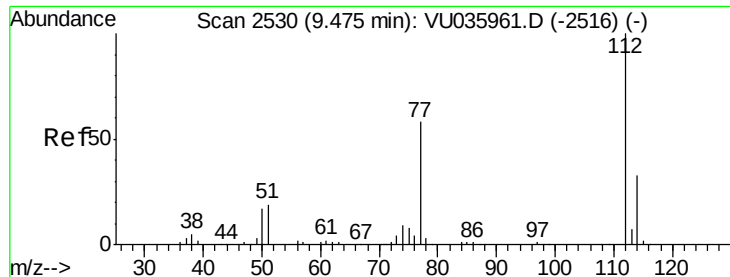
119 85.6 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): VU035970.D (-1221) (-)

Ion 118.90 (118.60 to 119.60): VU035970.D (-1221) (-)

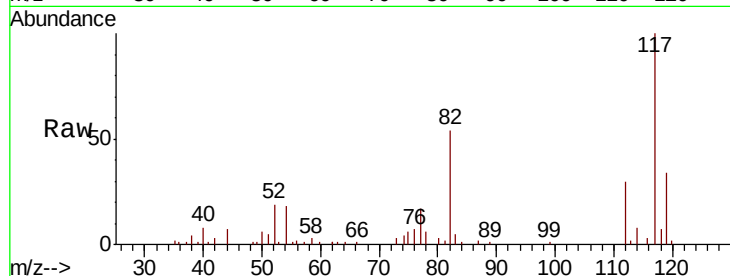




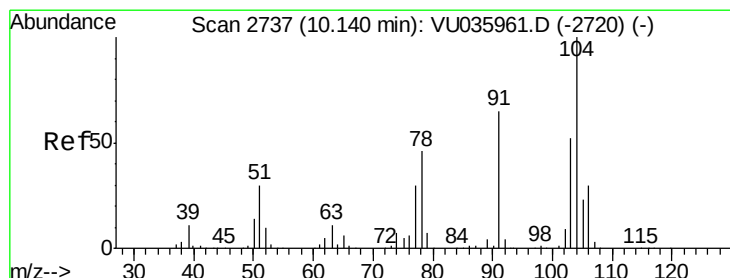
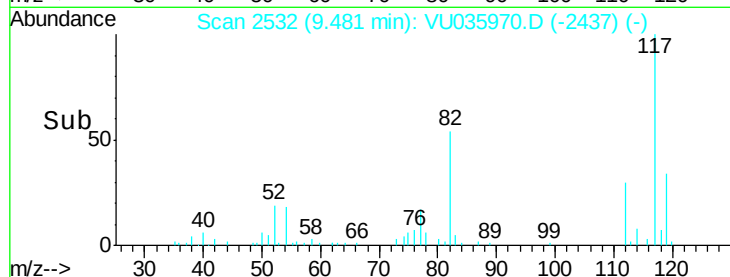
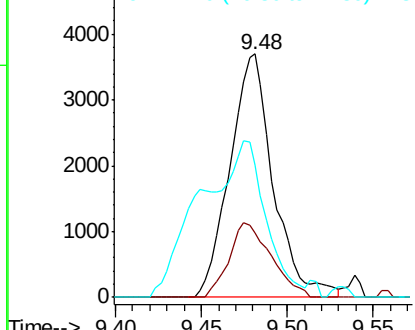
#51
Chlorobenzene
Concen: 0.099 ug/L
RT: 9.48 min Scan# 2532
Delta R.T. 0.01 min
Lab File: VU035970.D
Acq: 04 Dec 2019 14:30

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Tot Ion:112 Resp: 6494
Ion Ratio Lower Upper
112 100
114 26.6 22.5 41.7
77 54.5 47.7 71.5

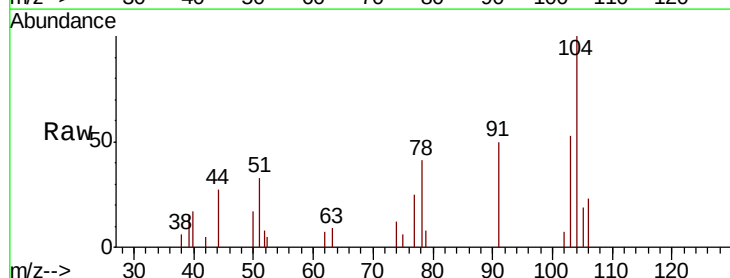


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

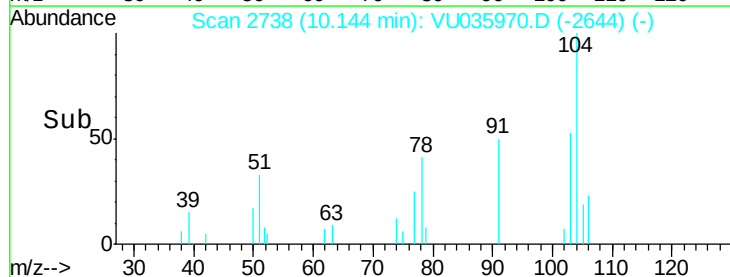
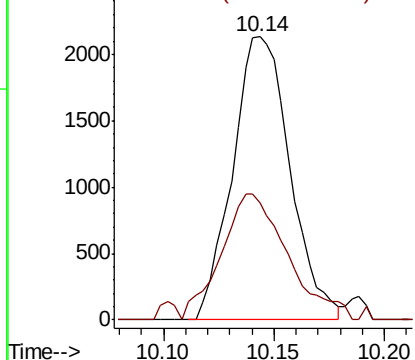


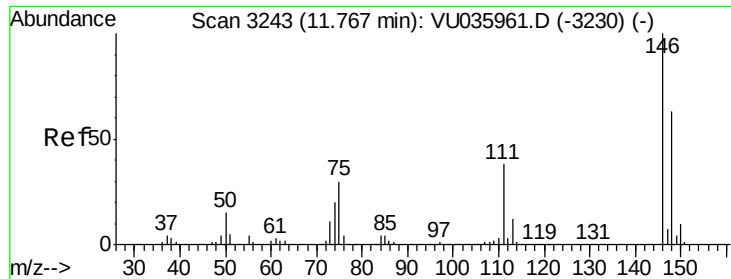
#55
Styrene
Concen: 0.061 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035970.D
Acq: 04 Dec 2019 14:30

Tgt Ion:104 Resp: 3867
Ion Ratio Lower Upper
104 100
78 41.1 31.2 58.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V





#62

1,3-Dichlorobenzene

Concen: 0.082 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

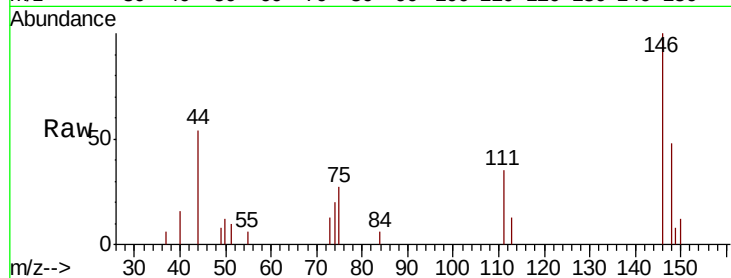
Tot Ion:146 Resp: 2886

Ion Ratio Lower Upper

146 100

111 35.2 27.6 51.4

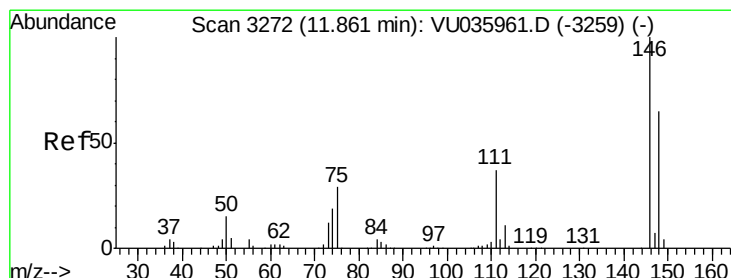
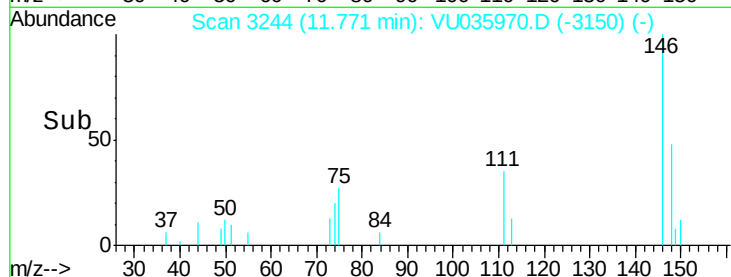
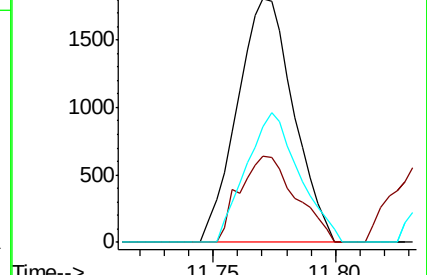
148 47.6 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.103 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. 0.01 min

Lab File: VU035970.D

Acq: 04 Dec 2019 14:30

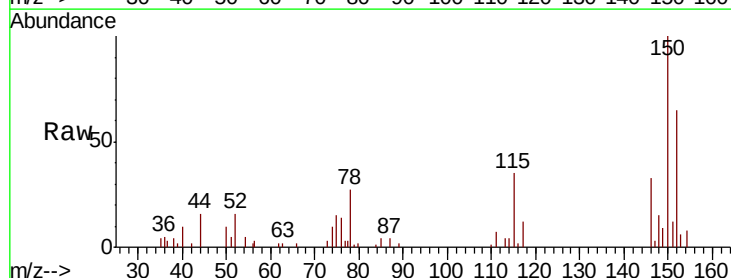
Tgt Ion:146 Resp: 3618

Ion Ratio Lower Upper

146 100

111 22.3 28.5 52.9#

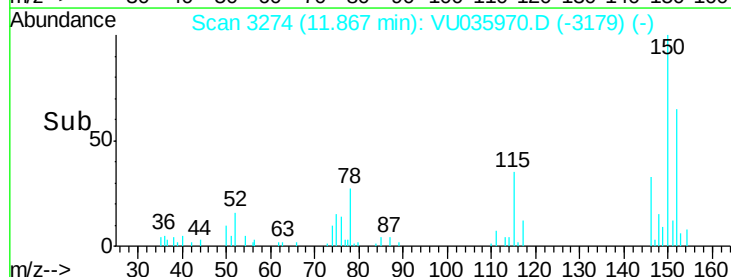
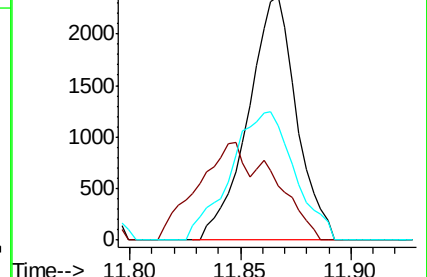
148 47.1 44.4 82.5

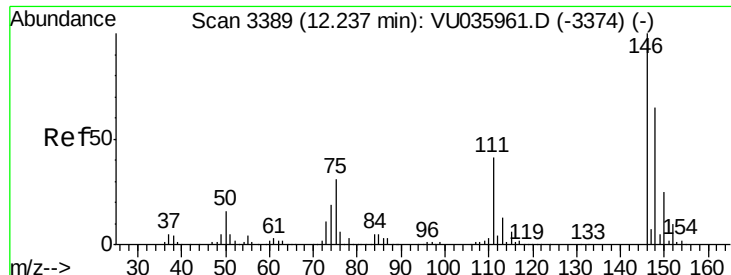


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

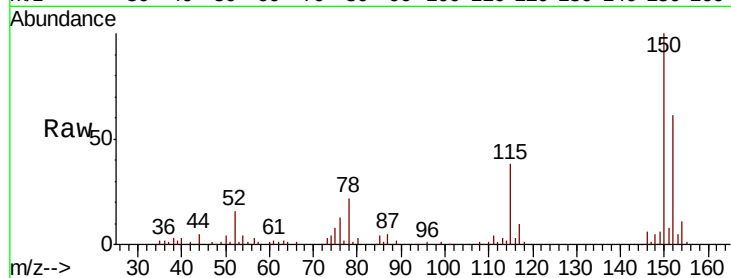




#65
 1,2-Dichlorobenzene
 Concen: 0.091 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035970.D
 Acq: 04 Dec 2019 14:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Tot Ion:146 Resp: 3076
 Ion Ratio Lower Upper
 146 100
 111 59.4 32.6 48.8#
 148 79.1 50.9 76.3#



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

