

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017061.D
 Acq On : 23 Jun 2020 18:09
 Operator : SY/MD
 Sample : L3093-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN0

Quant Time: Jun 24 07:15:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 05:01:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	181314	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	175326	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	84137	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64523	5.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.60%
7) Chloroethane-d5	1.58	69	34742	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.13	63	97691	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.94	46	132229	47.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.36%
24) Chloroform-d	4.38	84	107038	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.06	65	56097	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.07	84	202899	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.09	67	62089	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.34	98	184902	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
45) trans-1,3-Dichloropropene-	7.64	79	24160	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
48) 2-Hexanone-d5	8.11	63	86395	39.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.96%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	42785	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	74117	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

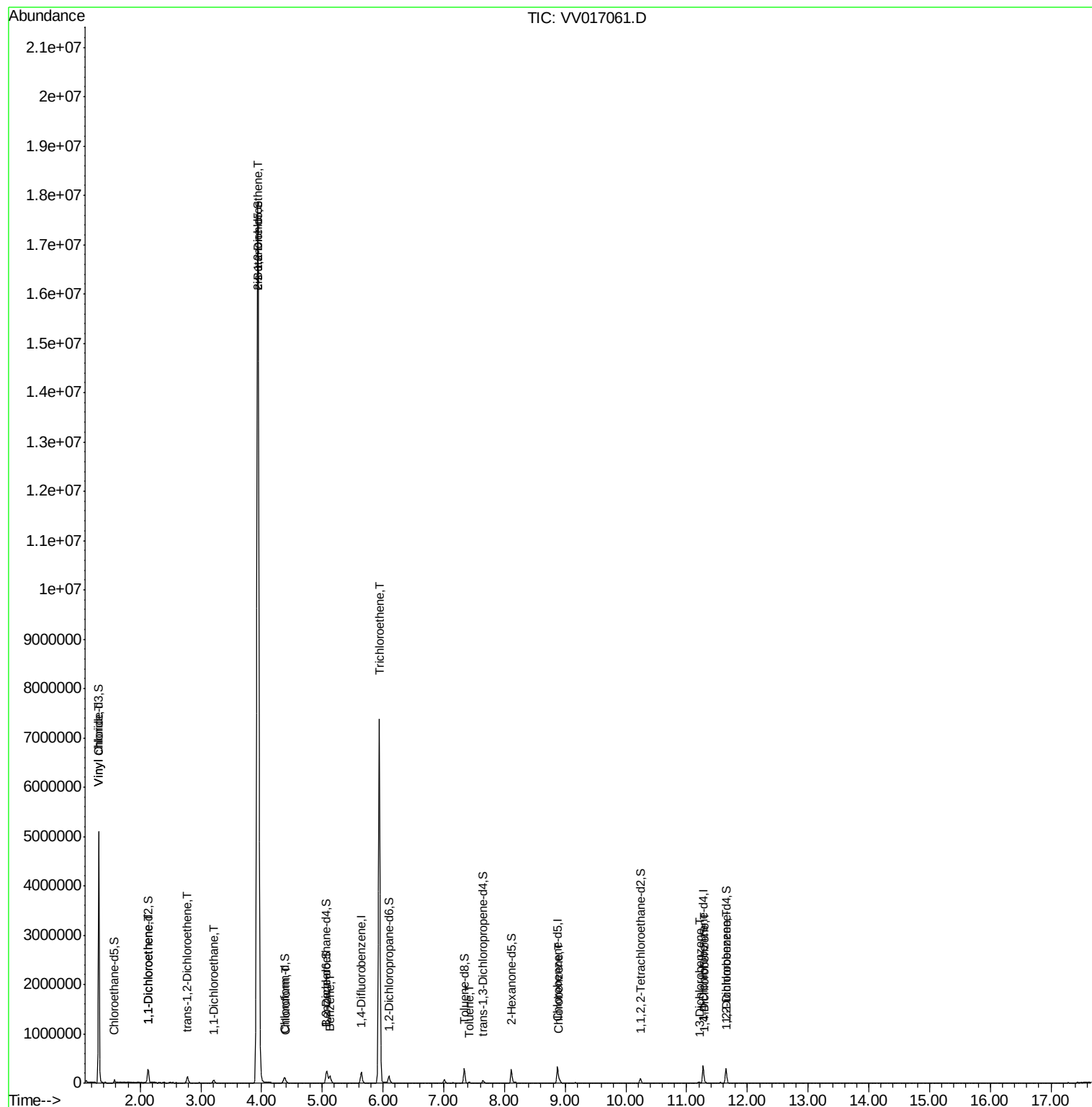
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2968348	249.489	ug/L	99
12) 1,1-Dichloroethene	2.14	96	59535	6.842	ug/L #	81
18) trans-1,2-Dichloroethene	2.78	96	42072	4.563	ug/L	95
19) 1,1-Dichloroethane	3.21	63	57817	2.791	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	9878568	783.401	ug/L #	96
25) Chloroform	4.40	83	2595	0.115	ug/L	84
33) Benzene	5.13	78	139604	3.040	ug/L	100
34) Trichloroethene	5.94	95	2486384	184.937	ug/L	99
42) Toluene	7.41	91	6313	0.118	ug/L	86
53) Chlorobenzene	8.90	112	35609	1.070	ug/L	98
63) 1,3-Dichlorobenzene	11.21	146	8310	0.328	ug/L	91
64) 1,4-Dichlorobenzene	11.30	146	10953	0.425	ug/L	92
66) 1,2-Dichlorobenzene	11.67	146	9704	0.422	ug/L	86

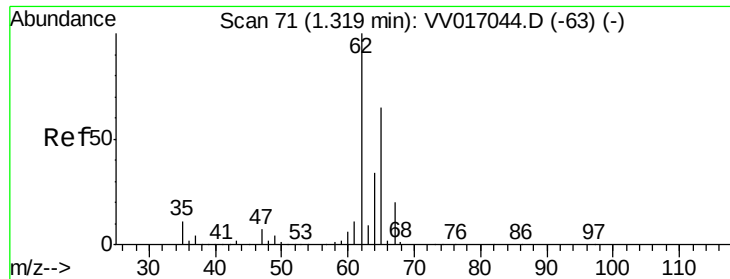
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 24 05:01:54 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 249.489 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017061.D

Acq: 23 Jun 2020 18:09

Instrument :

MSVOA_V

ClientSampleId :

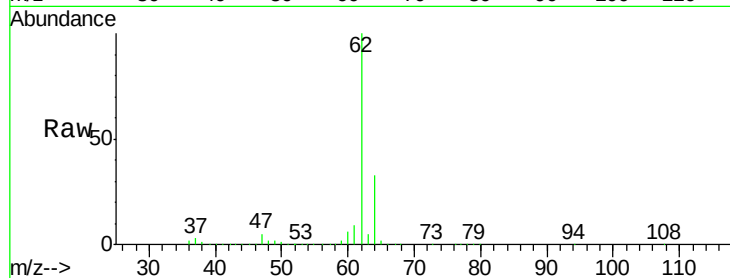
ETTNO

Tot Ion: 62 Resp: 2968348

Ion Ratio Lower Upper

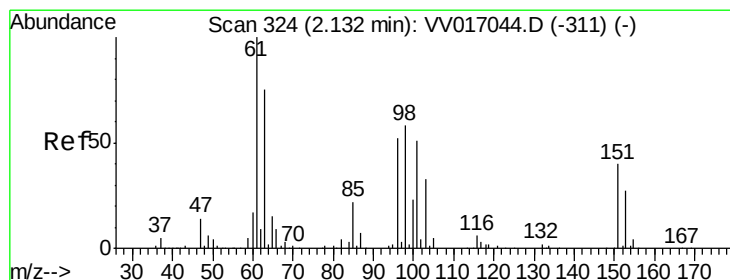
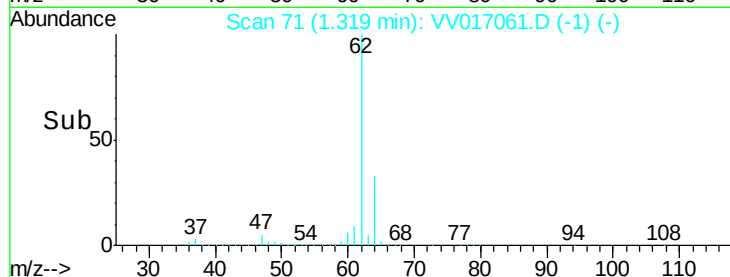
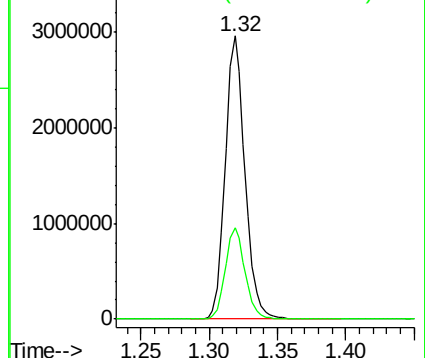
62 100

64 32.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#12

1,1-Dichloroethene

Concen: 6.842 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017061.D

Acq: 23 Jun 2020 18:09

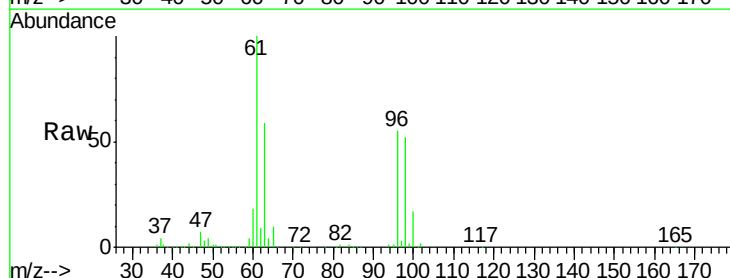
Tgt Ion: 96 Resp: 59535

Ion Ratio Lower Upper

96 100

61 181.3 125.0 232.2

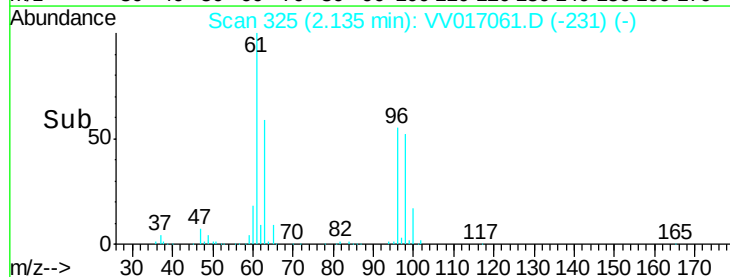
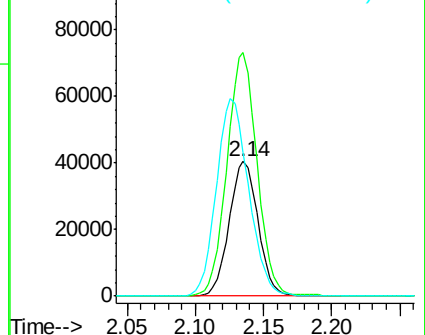
63 107.1 109.8 203.8#

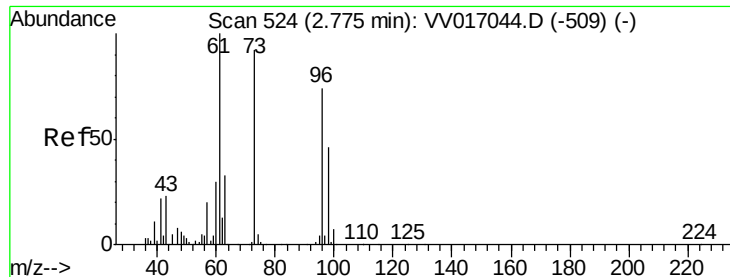


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

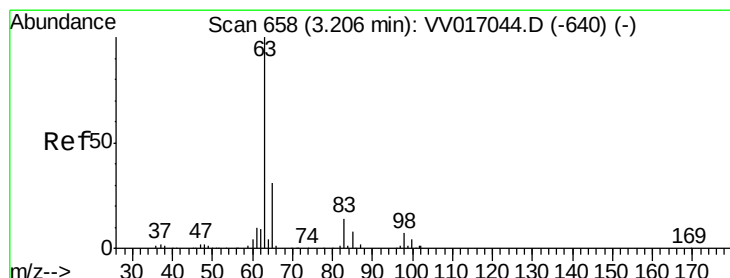
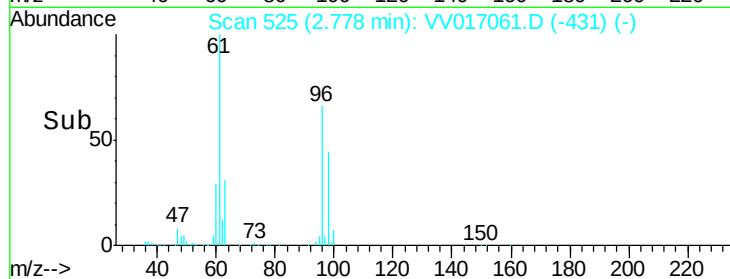
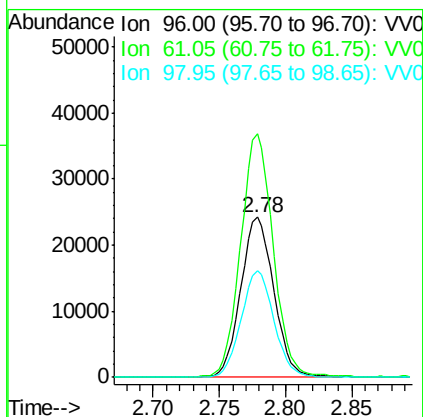
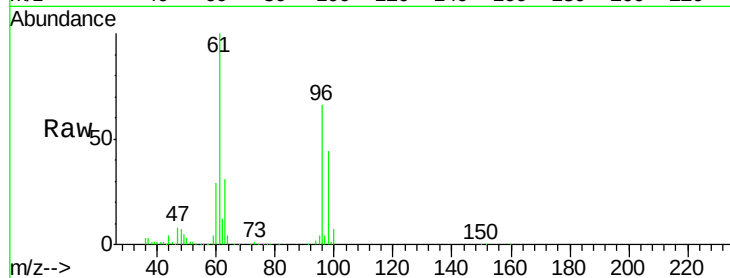




#18
trans-1,2-Dichloroethene
Concen: 4.563 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017061.D
Acq: 23 Jun 2020 18:09

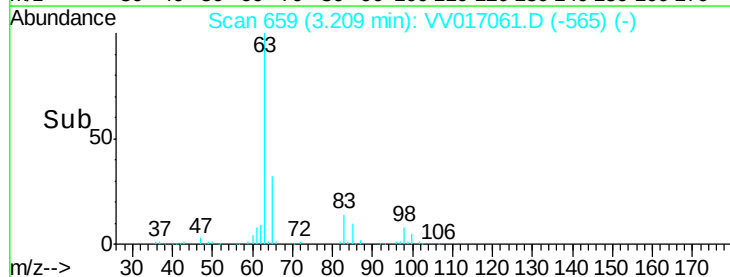
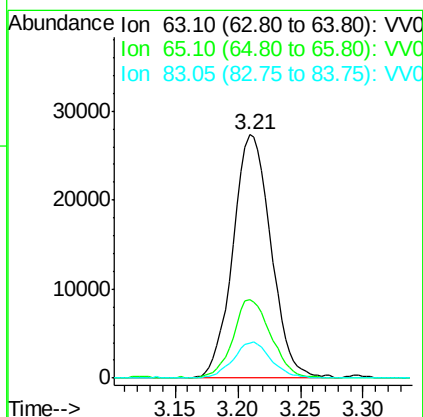
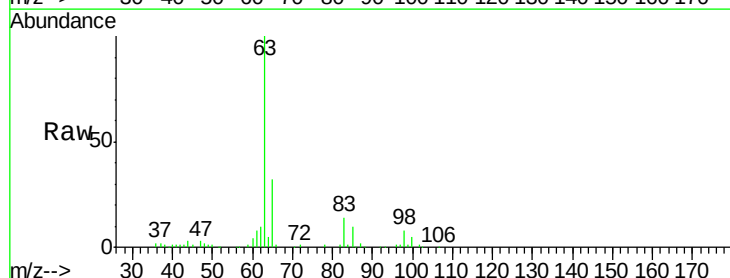
Instrument :
MSVOA_V
ClientSampleId :
ETTNO

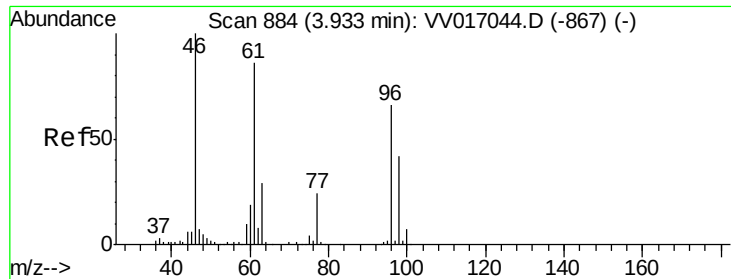
Tot Ion: 96 Resp: 42072
Ion Ratio Lower Upper
96 100
61 152.1 102.3 189.9
98 66.8 44.7 82.9



#19
1,1-Dichloroethane
Concen: 2.791 ug/L
RT: 3.21 min Scan# 659
Delta R.T. 0.00 min
Lab File: VV017061.D
Acq: 23 Jun 2020 18:09

Tgt Ion: 63 Resp: 57817
Ion Ratio Lower Upper
63 100
65 32.0 21.8 40.4
83 14.5 9.7 17.9



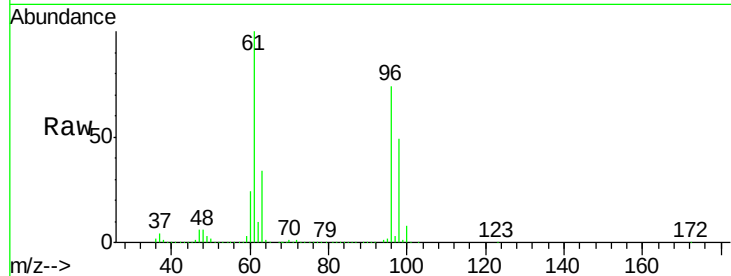


#22

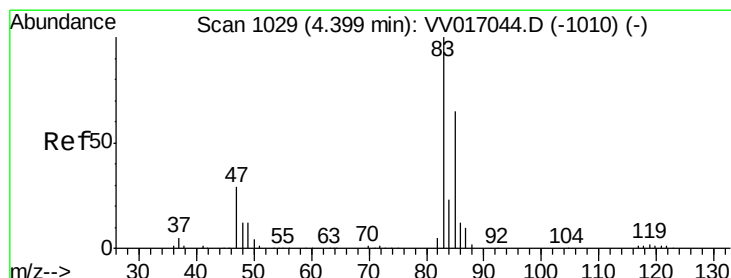
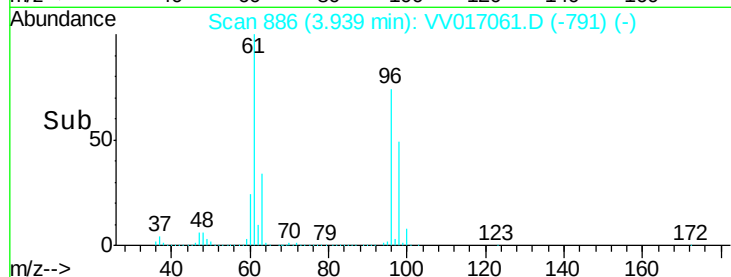
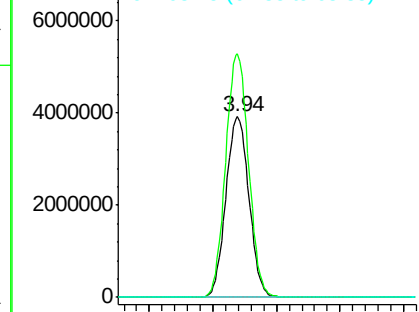
cis-1,2-Dichloroethene
 Concen: 783.401 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017061.D
 Acq: 23 Jun 2020 18:09

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN0

Tot Ion: 96 Resp: 9878568
 Ion Ratio Lower Upper
 96 100
 61 134.9 91.0 169.0
 68 0.0 0.0 0.0#



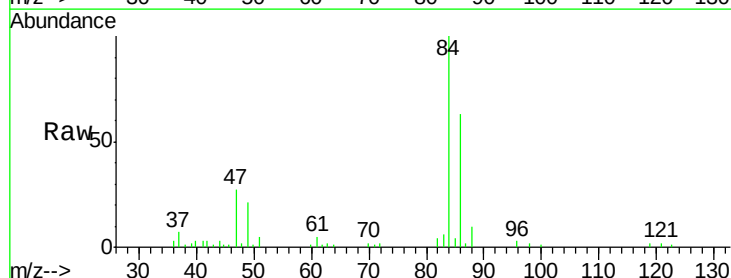
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



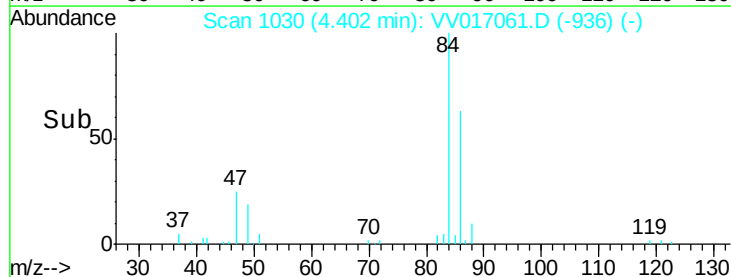
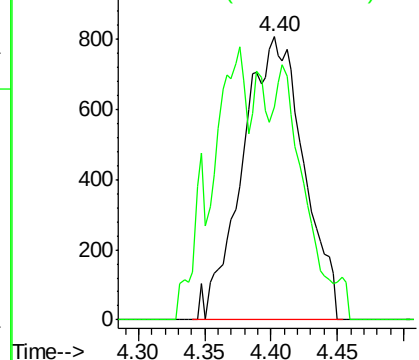
#25

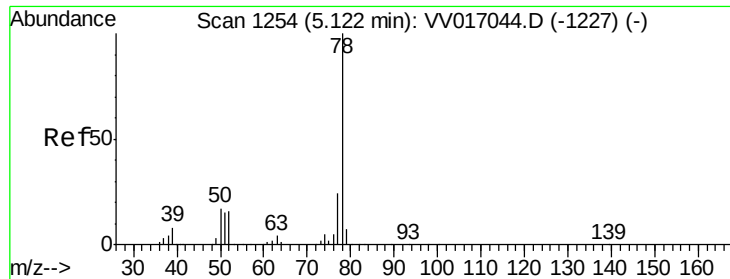
Chloroform
 Concen: 0.115 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV017061.D
 Acq: 23 Jun 2020 18:09

Tgt Ion: 83 Resp: 2595
 Ion Ratio Lower Upper
 83 100
 85 75.4 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 3.040 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017061.D

Acq: 23 Jun 2020 18:09

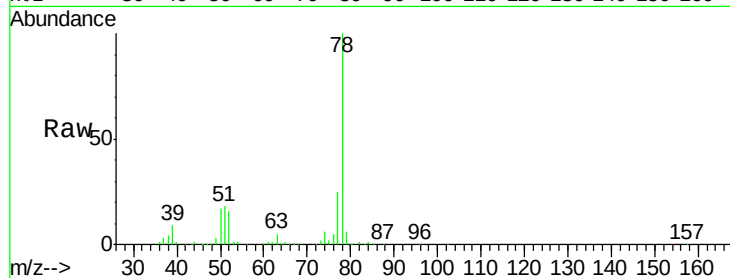
Instrument :

MSVOA_V

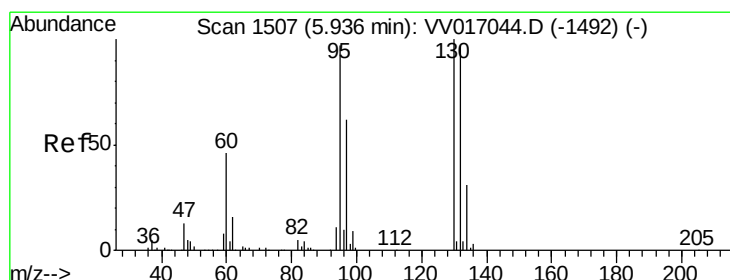
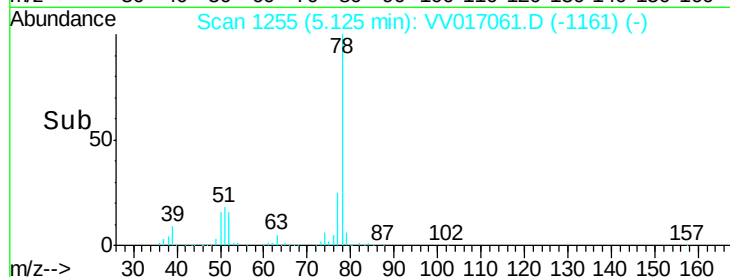
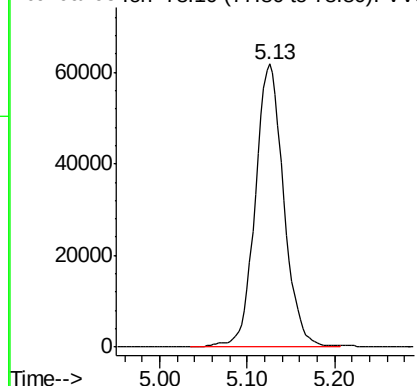
ClientSampleId :

ETTNO

Tgt Ion: 78 Resp: 139604



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 184.937 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017061.D

Acq: 23 Jun 2020 18:09

Tgt Ion: 95 Resp: 2486384

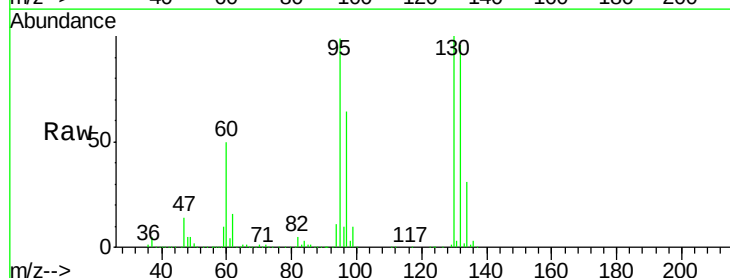
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.3	84.1
132	96.9	68.8	127.8
130	101.0	70.2	130.4

95 100

97 64.2 45.3 84.1

132 96.9 68.8 127.8

130 101.0 70.2 130.4

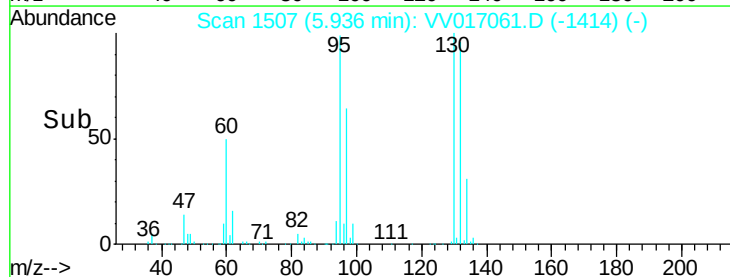
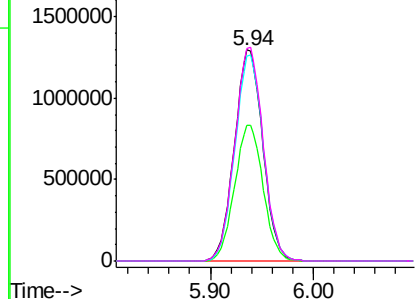


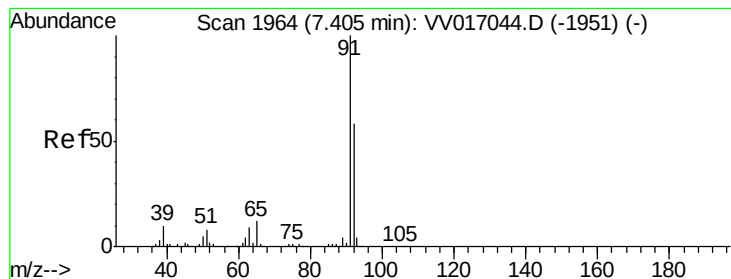
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#42

Toluene

Concen: 0.118 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017061.D

Acq: 23 Jun 2020 18:09

Instrument :

MSVOA_V

ClientSampleId :

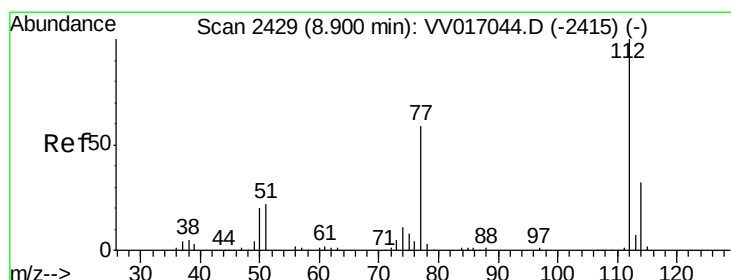
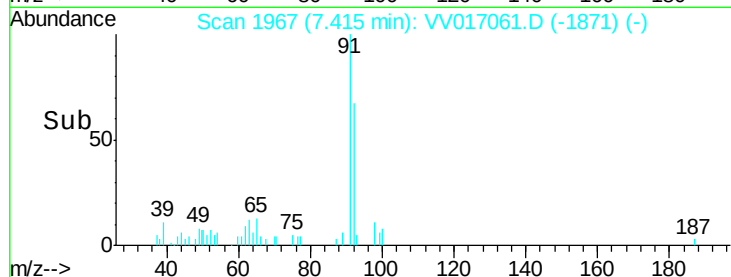
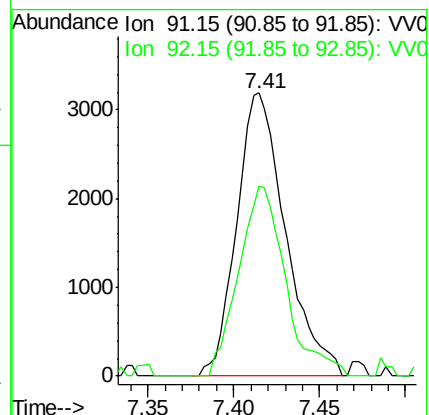
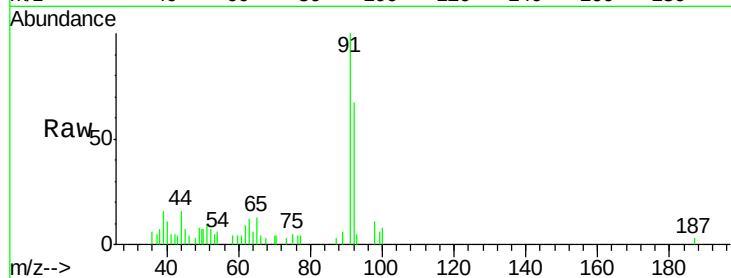
ETTN0

Tot Ion: 91 Resp: 6313

Ion Ratio Lower Upper

91 100

92 67.0 39.9 74.1



#53

Chlorobenzene

Concen: 1.070 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017061.D

Acq: 23 Jun 2020 18:09

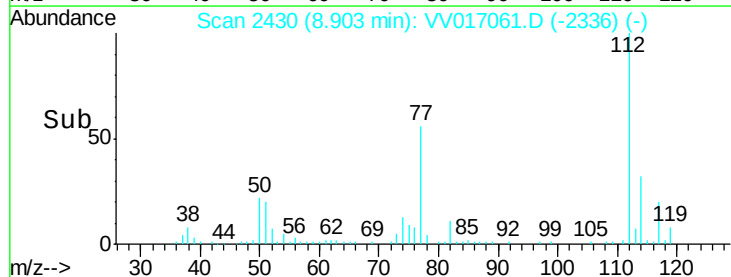
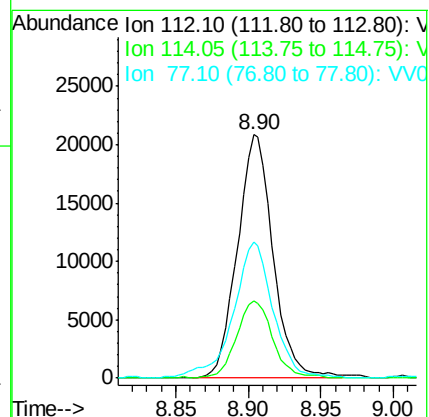
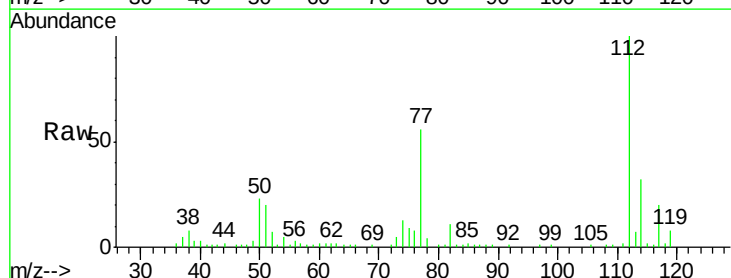
Tgt Ion: 112 Resp: 35609

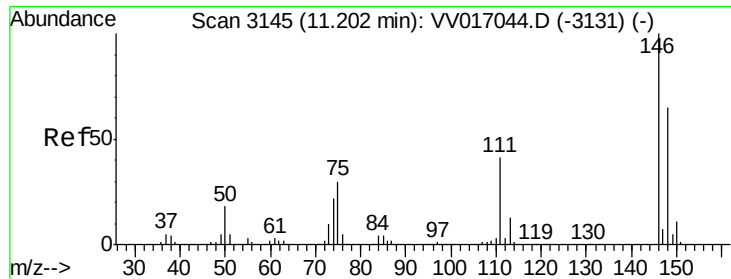
Ion Ratio Lower Upper

112 100

114 31.8 22.0 41.0

77 55.9 46.0 69.0





#63

1,3-Dichlorobenzene

Concen: 0.328 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017061.D

Acq: 23 Jun 2020 18:09

Instrument :

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ClientSampleId :

ETTNO

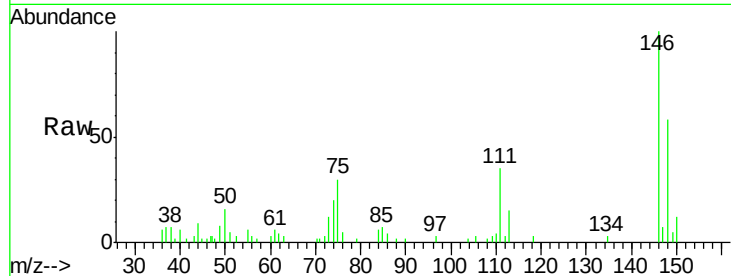
Tot Ion:146 Resp: 8310

Ion Ratio Lower Upper

146 100

111 34.9 29.2 54.2

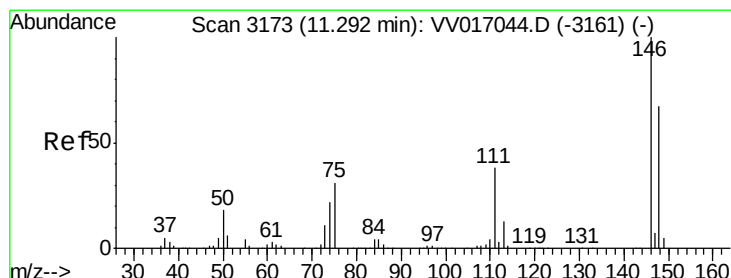
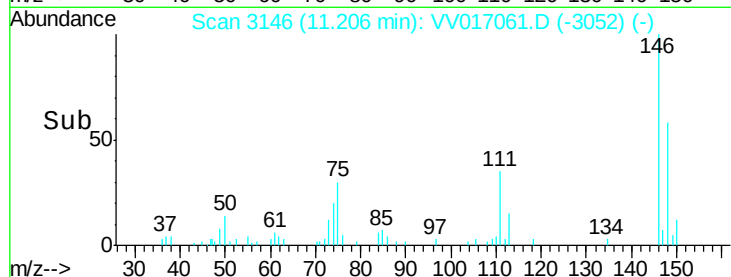
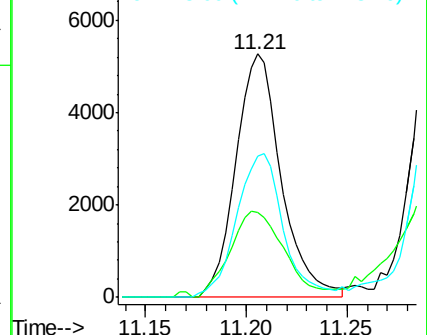
148 57.9 44.9 83.5



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



#64

1,4-Dichlorobenzene

Concen: 0.425 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017061.D

Acq: 23 Jun 2020 18:09

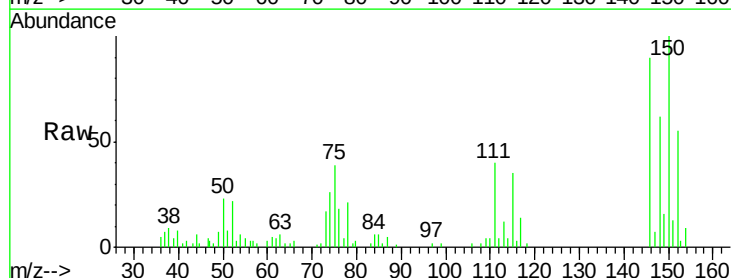
Tgt Ion:146 Resp: 10953

Ion Ratio Lower Upper

146 100

111 44.1 27.4 50.8

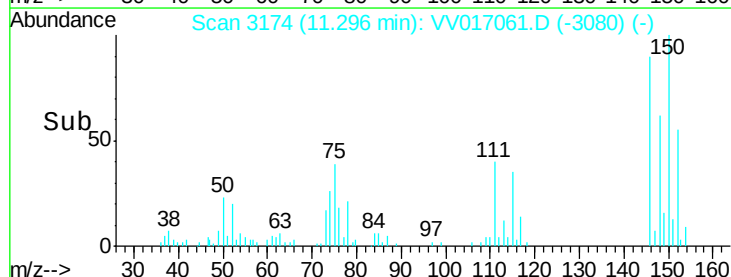
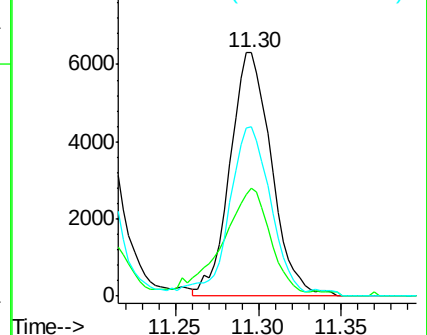
148 69.5 44.3 82.3

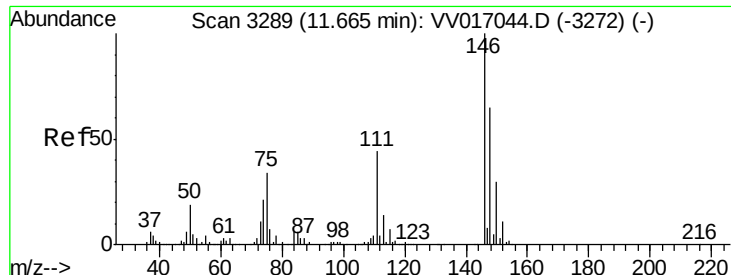


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

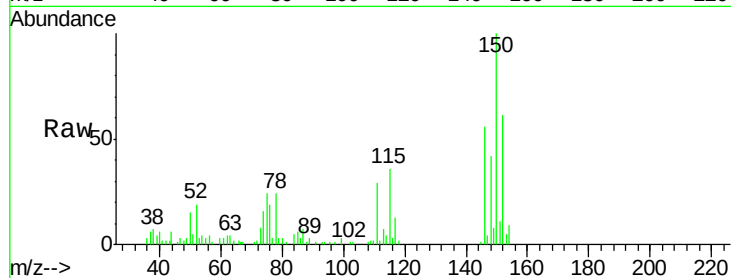




#66
 1,2-Dichlorobenzene
 Concen: 0.422 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV017061.D
 Acq: 23 Jun 2020 18:09

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN0

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.1	34.4	51.6
148	74.5	49.9	74.9



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

