

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122019\
 Data File : VV014148.D
 Acq On : 20 Dec 2019 11:57
 Operator : SY/MD
 Sample : K6286-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDZ0

Manual Integrations
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Quant Time: Dec 23 08:37:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Dec 23 08:15:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	478044	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	456436	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	199893	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	134751	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.58	69	119830	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.13	63	180216	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.93	46	299526	48.70	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.40%
24) Chloroform-d	4.40	84	259204	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.08	65	127396	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.09	84	509715	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.11	67	162736	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.35	98	416988	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.40%
43) trans-1,3-Dichloropropene-	7.66	79	53038	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.13	63	204284	40.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.10%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	104791	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	158403	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	11852m	0.415	ug/L	
9) Trichlorofluoromethane	1.77	101	12220	0.276	ug/L	97
13) Acetone	2.20	43	27963m	6.501	ug/L	
14) Carbon disulfide	2.32	76	6103	0.115	ug/L	100
18) trans-1,2-Dichloroethene	2.80	96	8410	0.324	ug/L	94
19) 1,1-Dichloroethane	3.23	63	20223	0.390	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	259613	8.530	ug/L #	91
25) Chloroform	4.42	83	12875	0.234	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	6645	0.142	ug/L	93
33) Benzene	5.15	78	13552	0.121	ug/L	100
34) Trichloroethene	5.96	95	669530	21.678	ug/L	99
42) Toluene	7.43	91	11536	0.096	ug/L	93
47) Tetrachloroethene	8.01	164	8816	0.329	ug/L	97

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

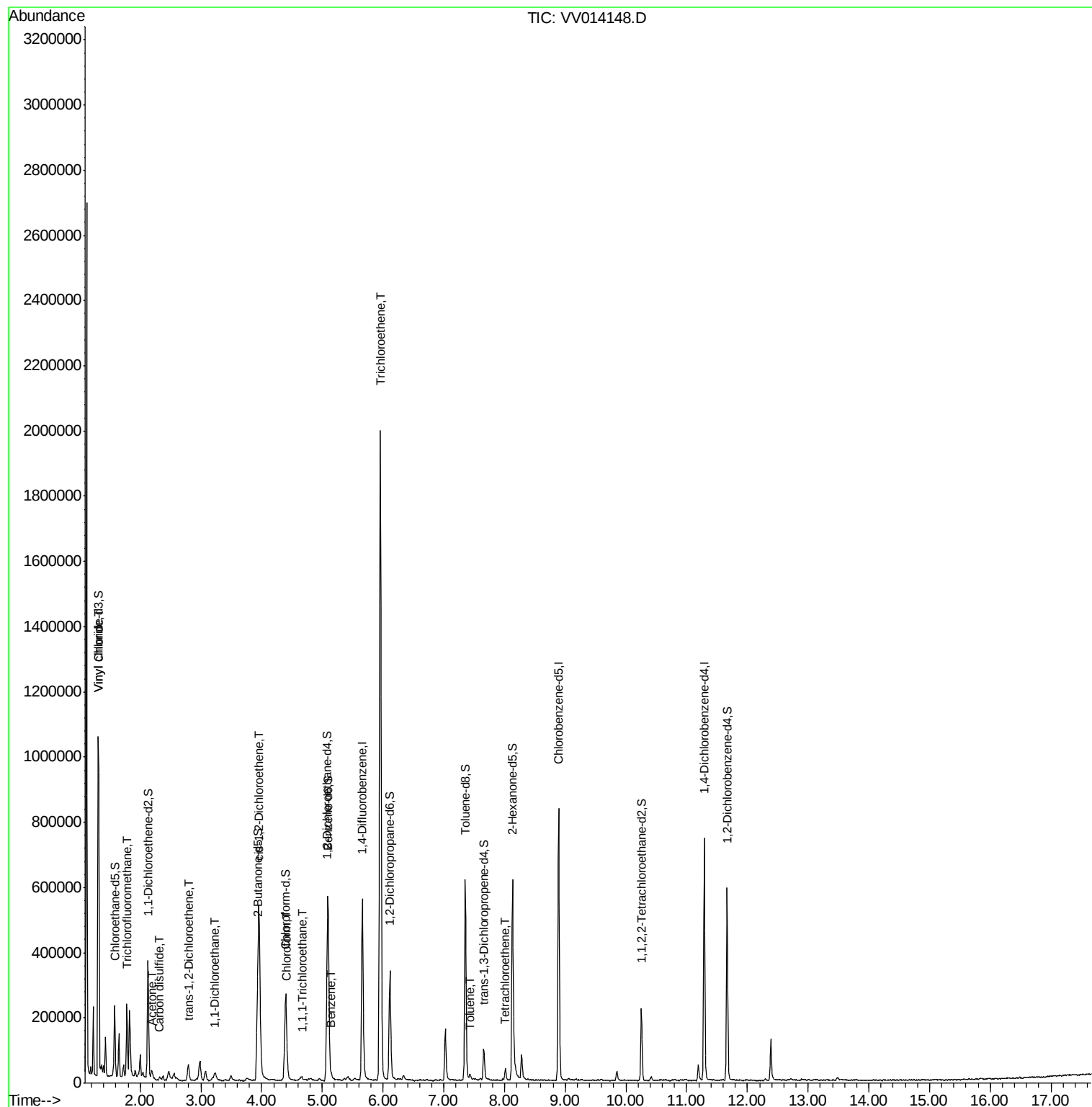
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122019\
Data File : VV014148.D
Acq On : 20 Dec 2019 11:57
Operator : SY/MD
Sample : K6286-14
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

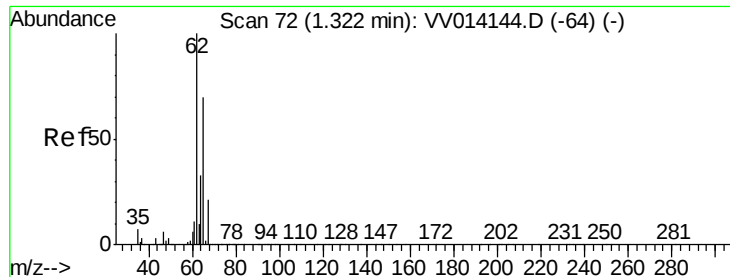
Instrument :
MSVOA_V
ClientSampleId :
BFDZ0

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Quant Time: Dec 23 08:37:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 23 08:15:07 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.415 ug/L m

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014148.D

Acq: 20 Dec 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

BFDZ0

Tot Ion: 62 Resp: 11852

Ion Ratio Lower Upper

62 100

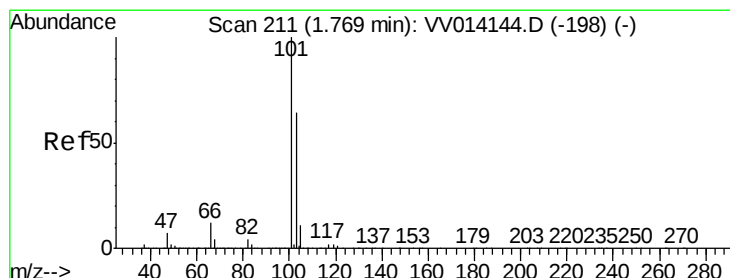
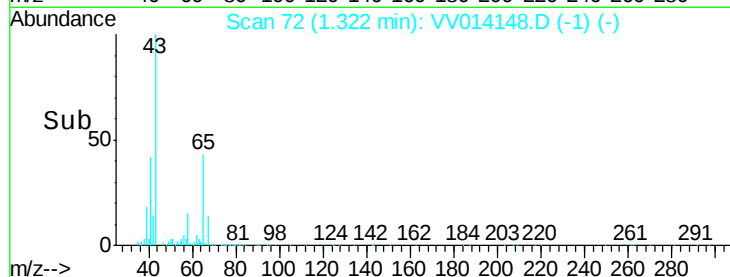
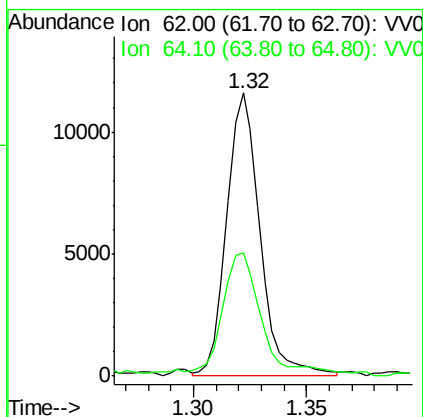
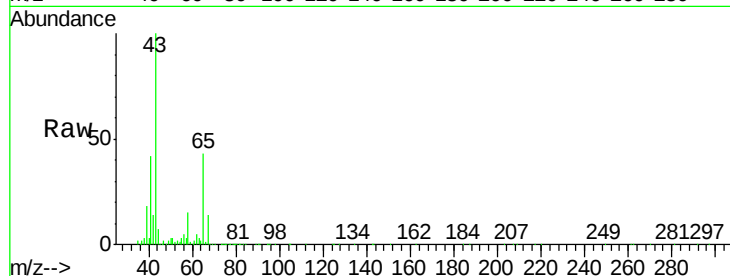
64 43.4 23.3 43.3#

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#9

Trichlorofluoromethane

Concen: 0.276 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014148.D

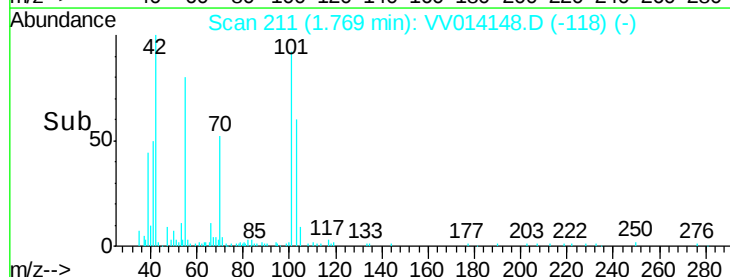
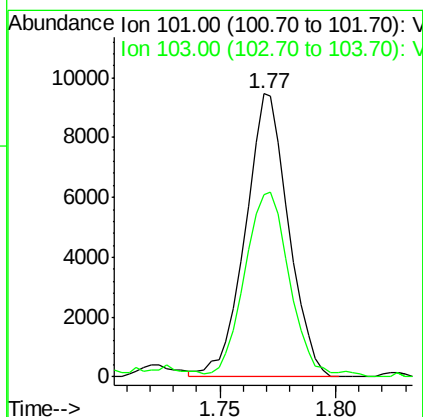
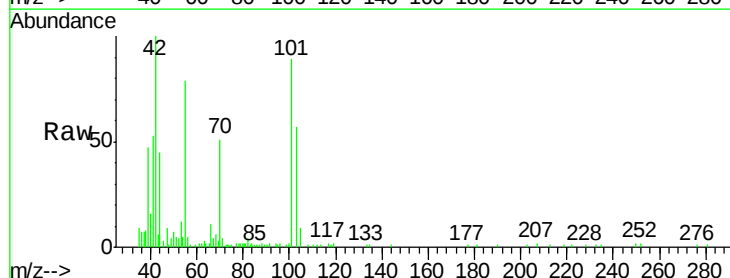
Acq: 20 Dec 2019 11:57

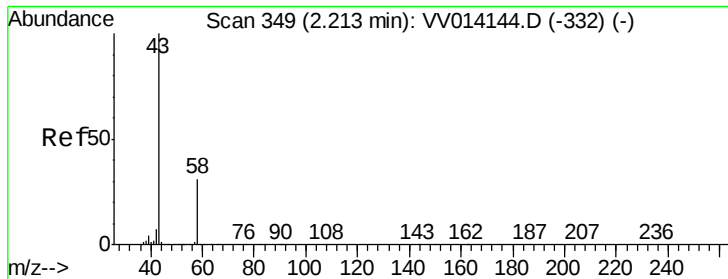
Tgt Ion: 101 Resp: 12220

Ion Ratio Lower Upper

101 100

103 68.3 52.9 79.3





#13

Acetone

Concen: 6.501 ug/L m

RT: 2.20 min Scan# 344

Delta R.T. -0.02 min

Lab File: VV014148.D

Acq: 20 Dec 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

BFDZ0

Tot Ion: 43 Resp: 27963

Ion Ratio Lower Upper

43 100

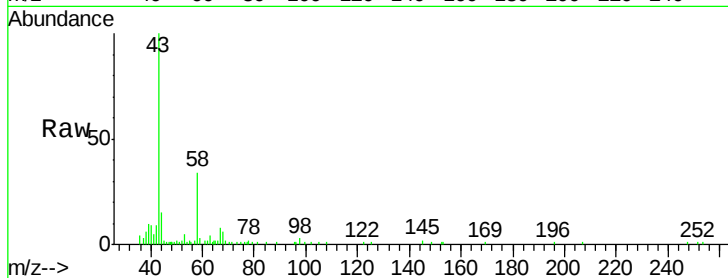
58 1.6 0.0 27.2

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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

15000

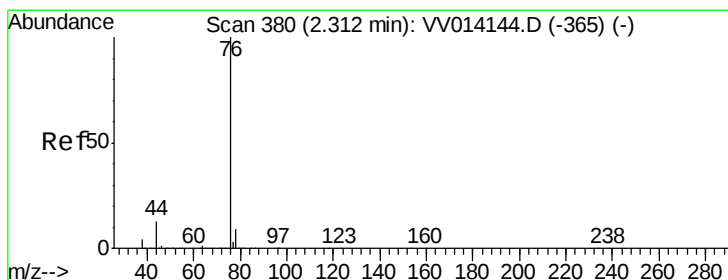
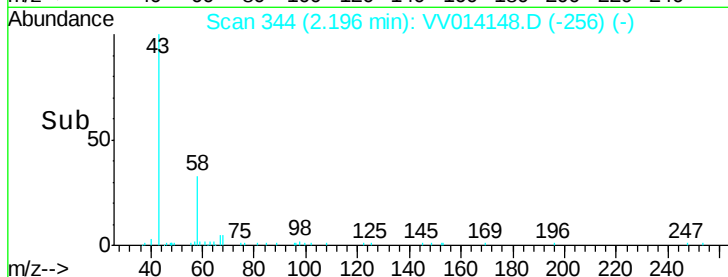
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 0.115 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014148.D

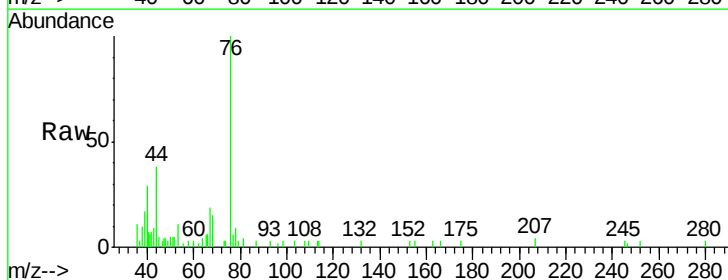
Acq: 20 Dec 2019 11:57

Tgt Ion: 76 Resp: 6103

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

5000

4000

3000

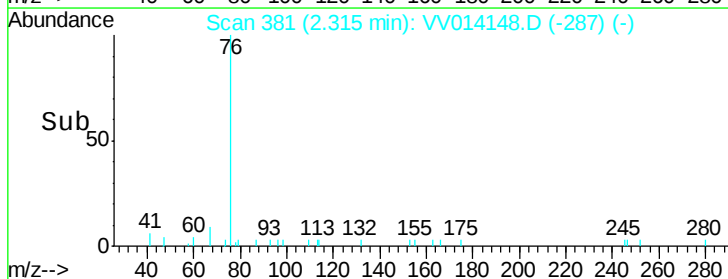
2000

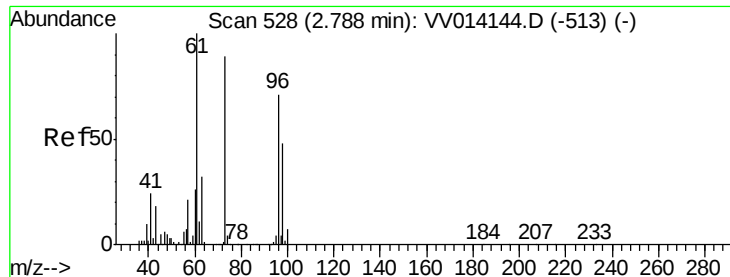
1000

0

2.25 2.30 2.35

Time-->





#18

trans-1,2-Dichloroethene

Concen: 0.324 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.01 min

Lab File: VV014148.D

Acq: 20 Dec 2019 11:57

Instrument :

MSVOA_V

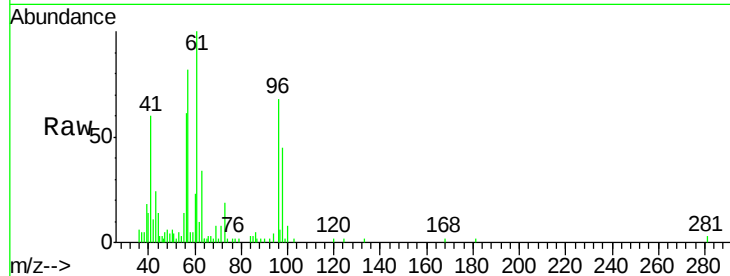
ClientSampleId :

BFDZ0

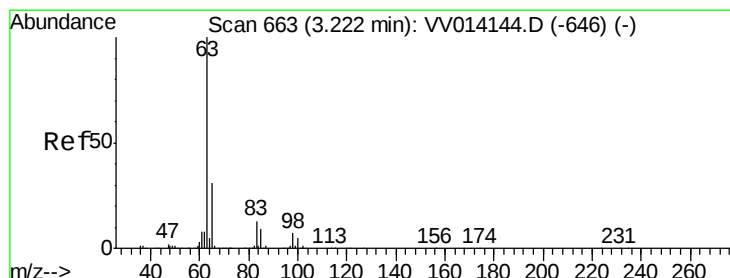
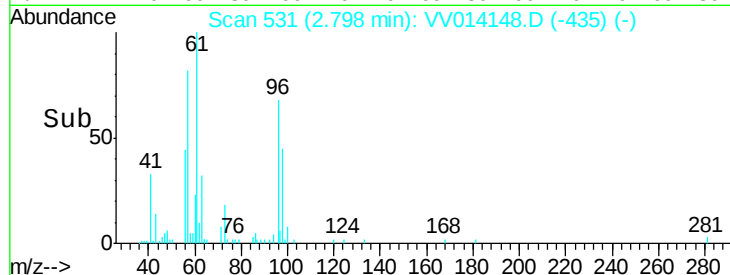
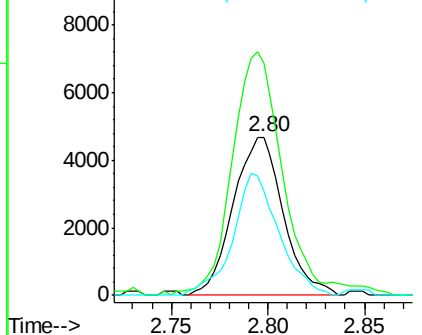
Tot Ion:	96	Resp:	8410
Ion	Ratio	Lower	Upper
96	100		
61	146.6	95.1	176.7
98	65.7	46.5	86.3

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Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 0.390 ug/L

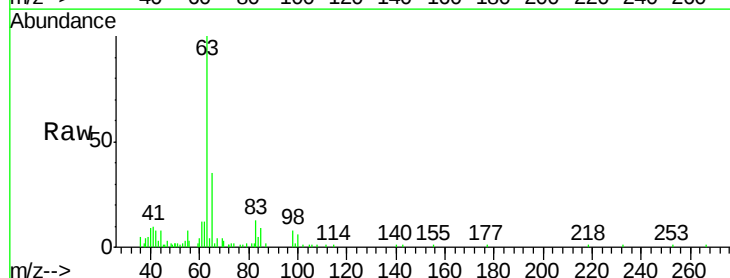
RT: 3.23 min Scan# 665

Delta R.T. 0.01 min

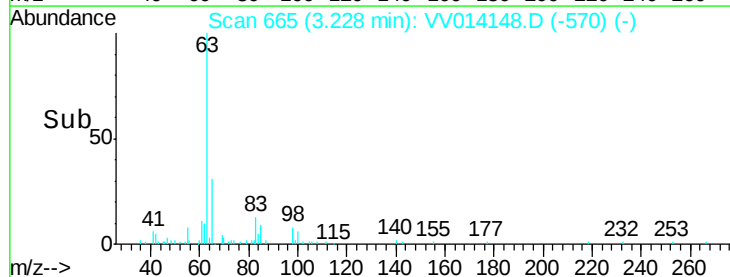
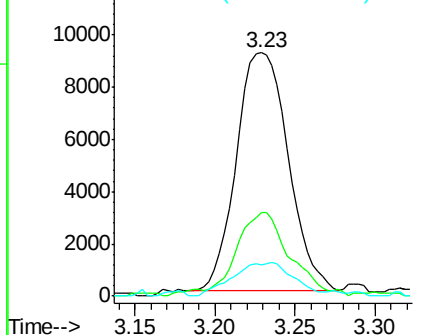
Lab File: VV014148.D

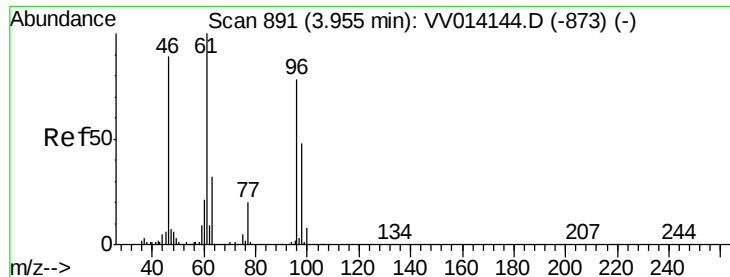
Acq: 20 Dec 2019 11:57

Tgt Ion:	63	Resp:	20223
Ion	Ratio	Lower	Upper
63	100		
65	34.6	22.7	42.1
83	13.0	9.2	17.2



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0





#22

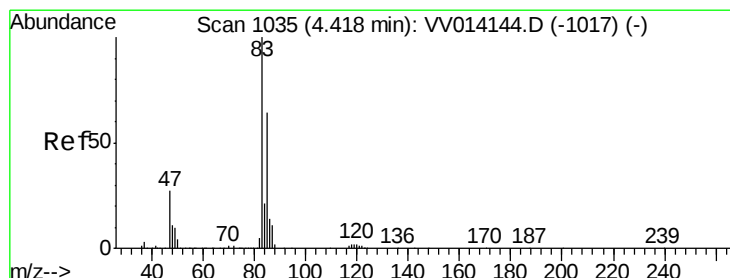
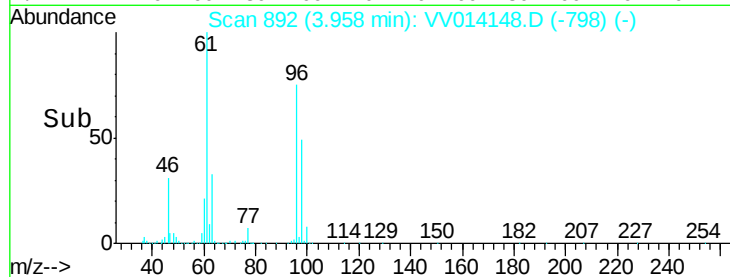
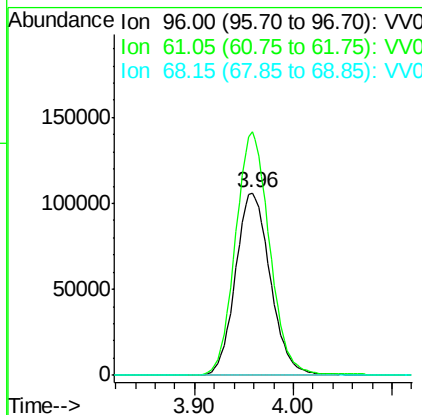
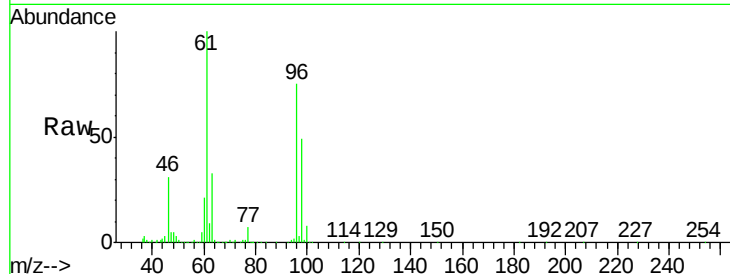
cis-1,2-Dichloroethene
 Concen: 8.530 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014148.D
 Acq: 20 Dec 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDZ0

Tot Ion	Ratio	Resp	Lower	Upper
96	100	259613		
61	133.7	86.1	159.9	
68	0.2	0.0	0.0#	

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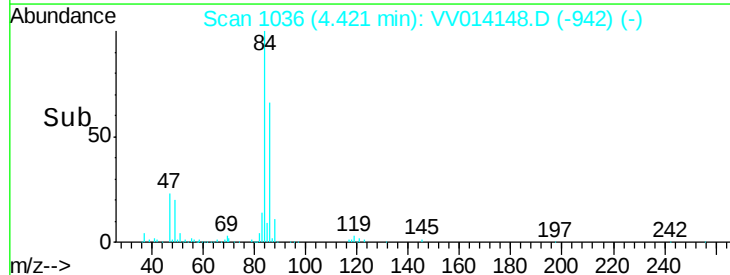
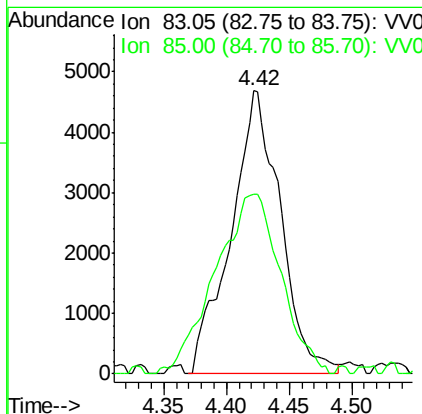
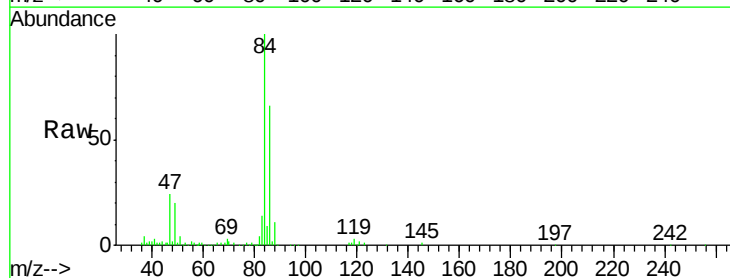
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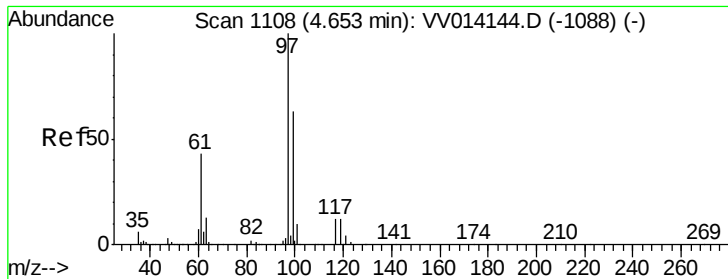


#25

Chloroform
 Concen: 0.234 ug/L
 RT: 4.42 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VV014148.D
 Acq: 20 Dec 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	12875		
85	63.5	45.1	83.7	





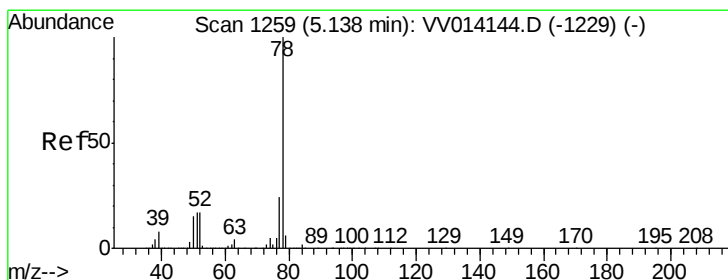
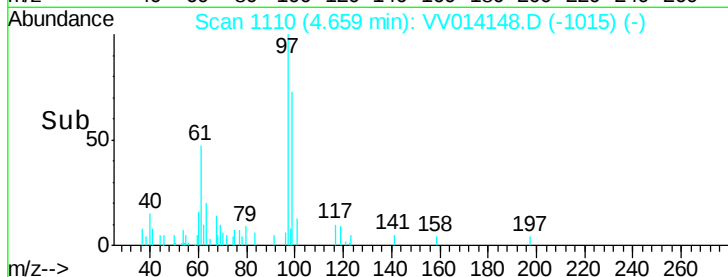
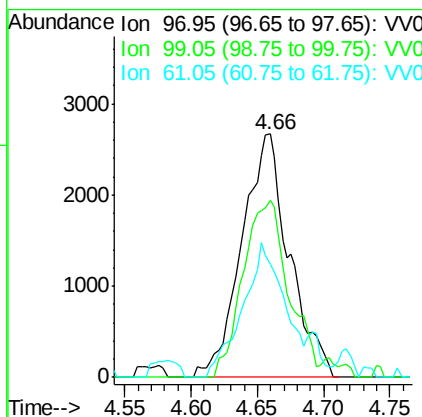
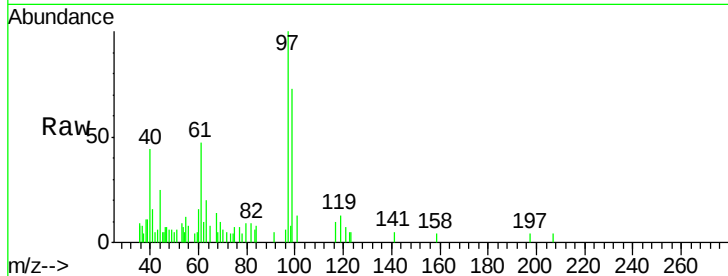
#29
 1,1,1-Trichloroethane
 Concen: 0.142 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV014148.D
 Acq: 20 Dec 2019 11:57

Instrument :
 MSVOA_V
 ClientSampled :
 BFDZ0

Tot Ion	Ratio	Lower	Upper
97	100		
99	70.3	51.7	77.5
61	48.7	35.0	52.6

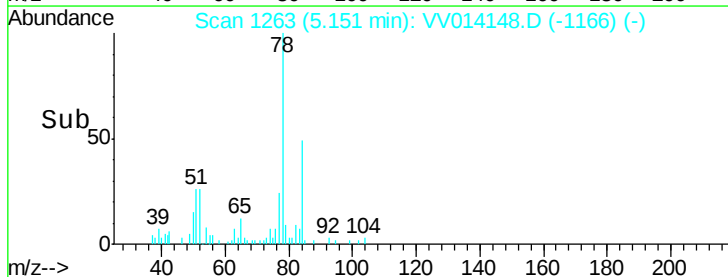
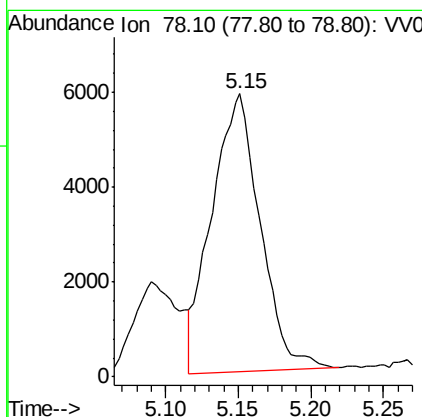
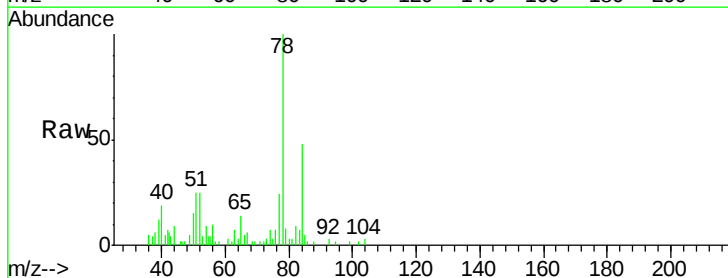
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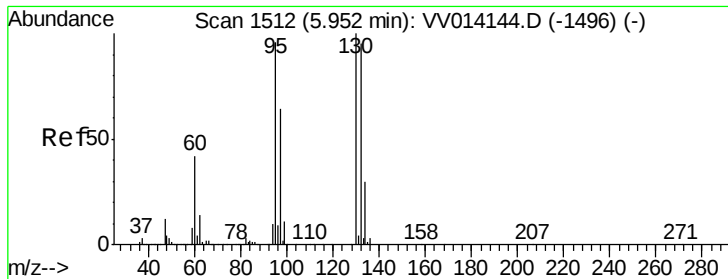
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#33
 Benzene
 Concen: 0.121 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VV014148.D
 Acq: 20 Dec 2019 11:57

Tgt Ion: 78 Resp: 13552





#34

Trichloroethene

Concen: 21.678 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014148.D

Acq: 20 Dec 2019 11:57

Instrument :

MSVOA_V

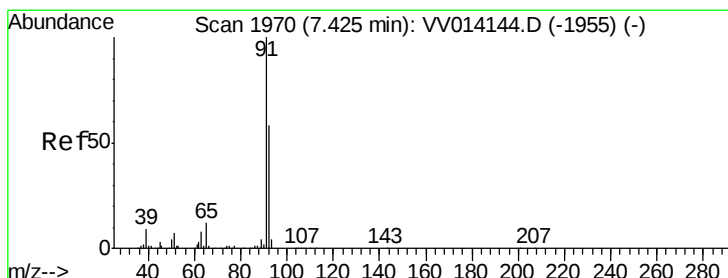
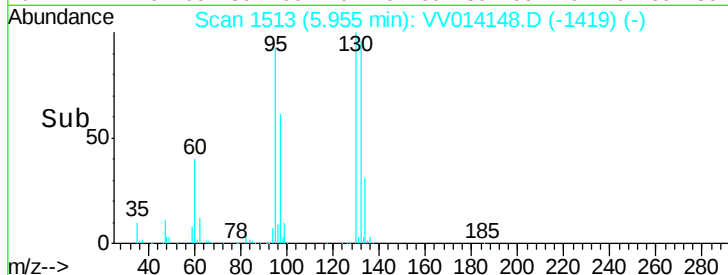
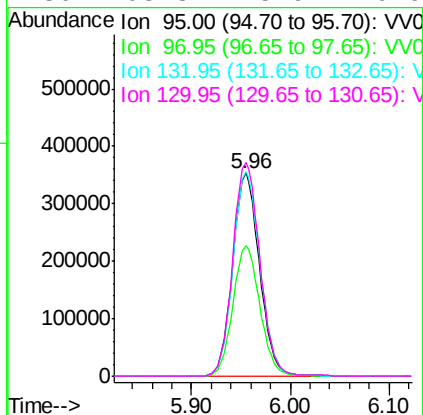
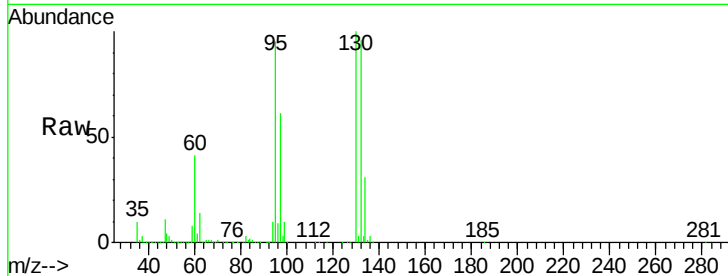
ClientSampleId :

BFDZ0

Tot Ion	95	Resp	669530
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.6	84.8
132	100.8	70.5	130.9
130	105.3	75.9	140.9

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#42

Toluene

Concen: 0.096 ug/L

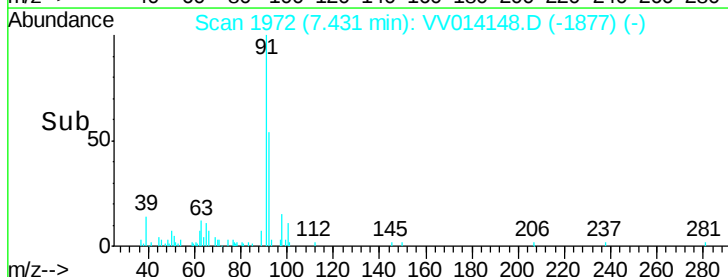
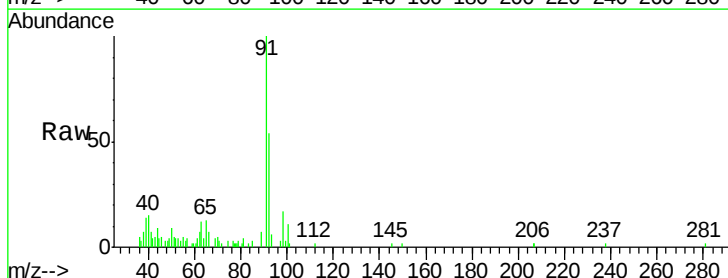
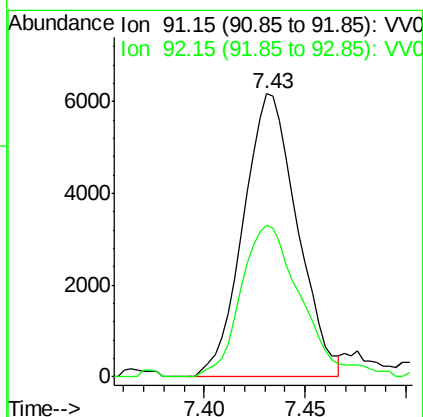
RT: 7.43 min Scan# 1972

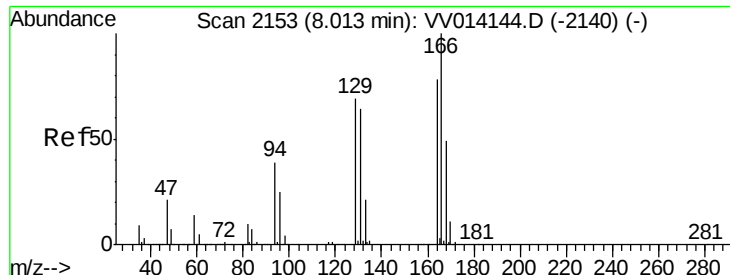
Delta R.T. 0.01 min

Lab File: VV014148.D

Acq: 20 Dec 2019 11:57

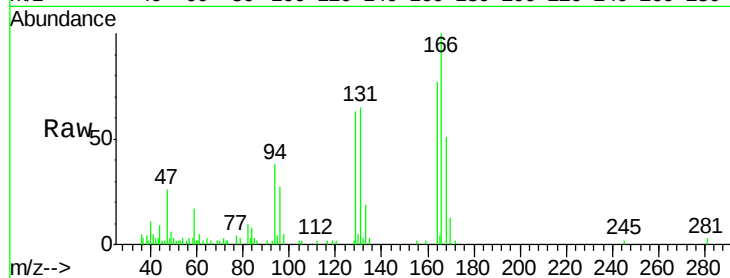
Tgt Ion	91	Resp	11536
Ion	Ratio	Lower	Upper
91	100		
92	53.6	41.1	76.3





#47
Tetrachloroethene
Concen: 0.329 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV014148.D
Acq: 20 Dec 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
BFDZ0



Tot Ion:	164	Resp:	8816
Ion	Ratio	Lower	Upper
164	100		
129	81.9	60.3	112.1
131	84.7	59.9	111.3
166	130.4	89.1	165.5

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