

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102619\
 Data File : VV013373.D
 Acq On : 26 Oct 2019 14:42
 Operator : SY/MD
 Sample : K5567-01
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 29 13:49:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 29 13:11:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	444087	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	482451	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	247524	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	176970	5.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.20%
7) Chloroethane-d5	1.59	69	146736	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.13	63	220970	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	3.94	46	372577	59.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.52%
24) Chloroform-d	4.40	84	377094	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.08	65	173854	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.10	84	781733	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.12	67	229639	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.36	98	668574	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.66	79	71876	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.13	63	218426	34.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	149714	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	269720	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

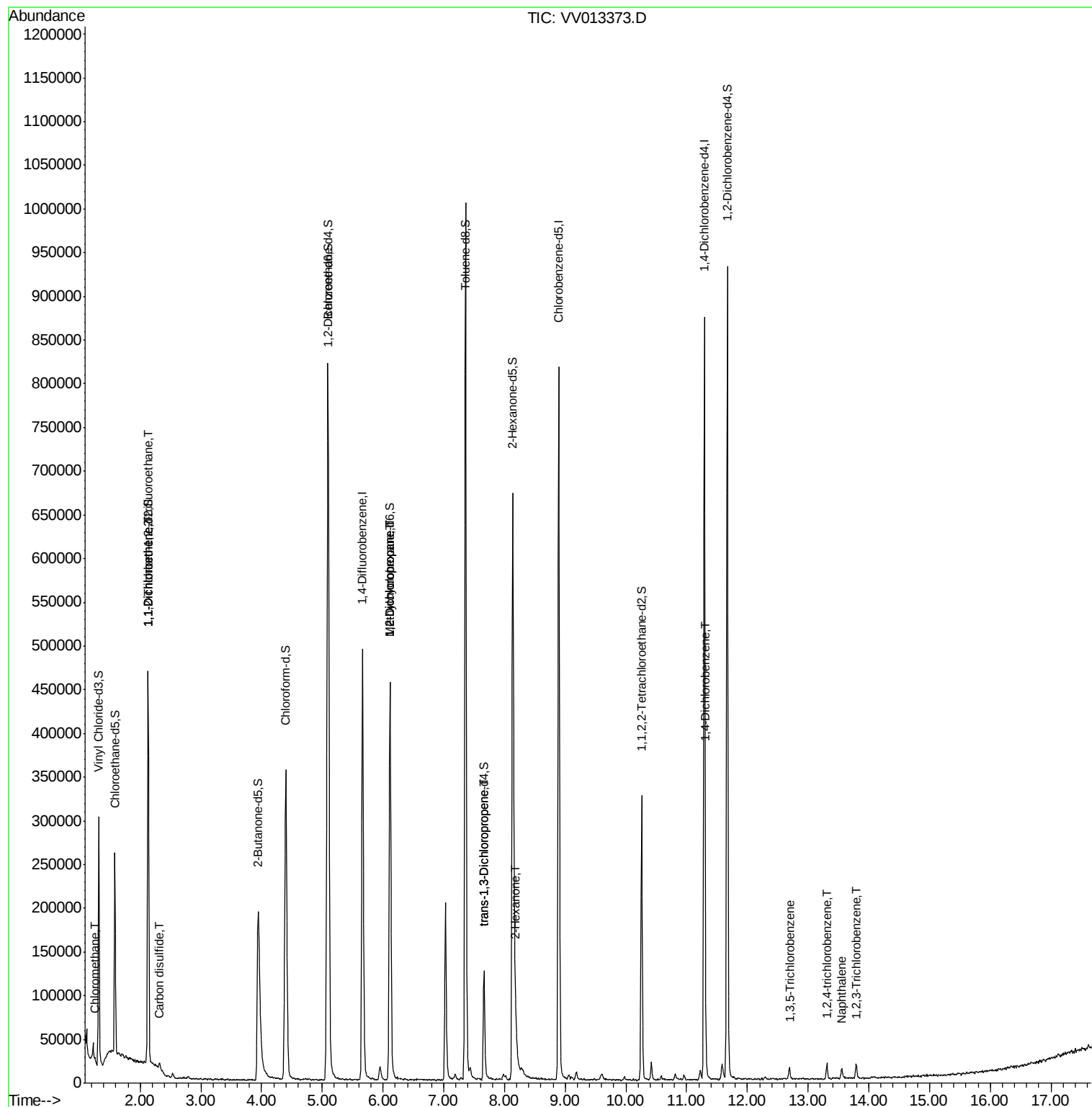
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	3987	0.094	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3052	0.083	ug/L #	26
12) 1,1-Dichloroethene	2.13	96	2447	0.070	ug/L #	1
14) Carbon disulfide	2.32	76	5112	0.051	ug/L #	72
35) Methylcyclohexane	6.12	83	55181	0.726	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	22960	0.513	ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	3801	0.080	ug/L	94
48) 2-Hexanone	8.19	43	32630	1.998	ug/L #	85
63) 1,4-Dichlorobenzene	11.31	146	5799	0.066	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	4952	0.077	ug/L #	89
68) 1,2,4-trichlorobenzene	13.31	180	6608	0.117	ug/L	97
69) Naphthalene	13.55	128	11543	0.148	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.79	180	6788	0.130	ug/L	92

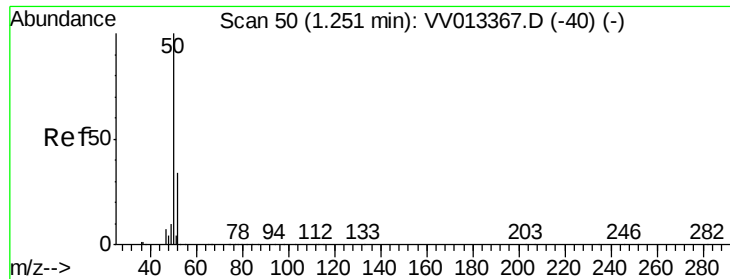
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 29 13:11:08 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.094 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV013373.D

Acq: 26 Oct 2019 14:42

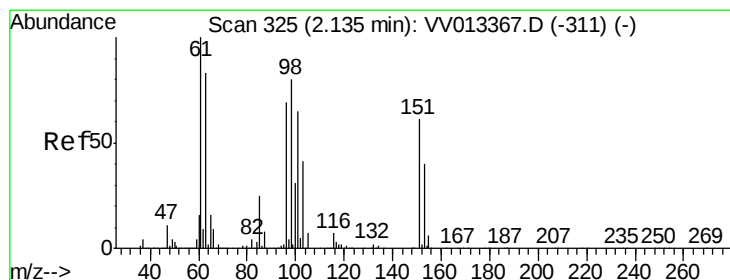
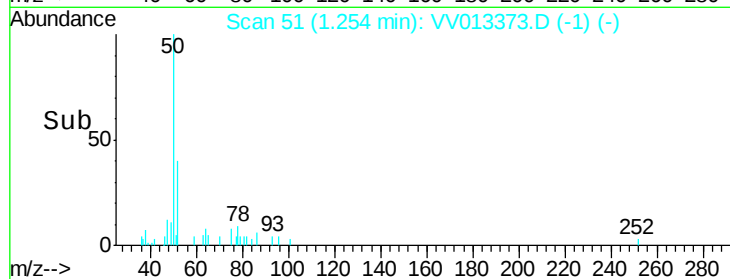
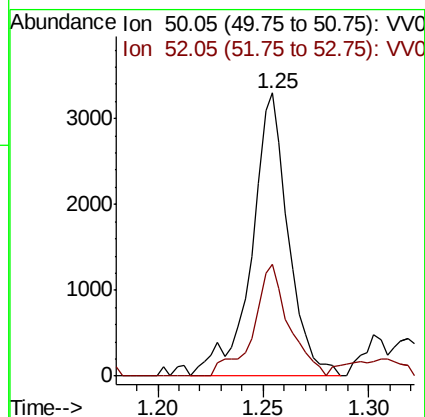
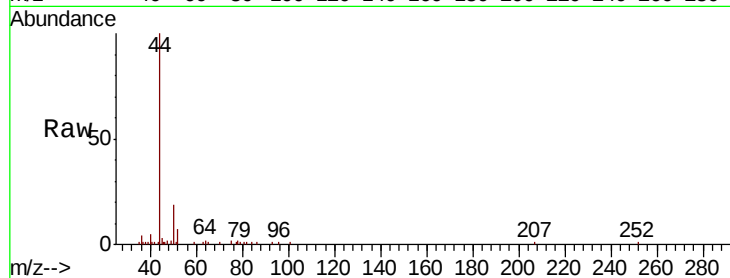
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 3987

Ion Ratio Lower Upper

50 100

52 39.7 23.3 43.3



#10

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

Concen: 0.083 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013373.D

Acq: 26 Oct 2019 14:42

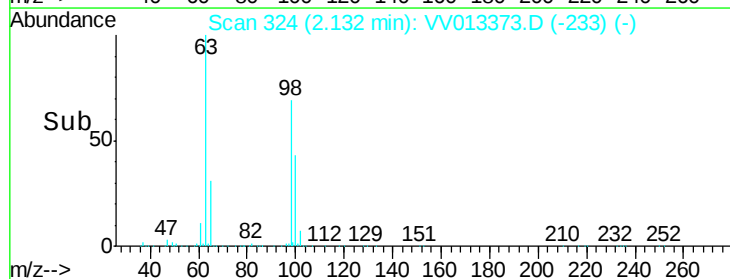
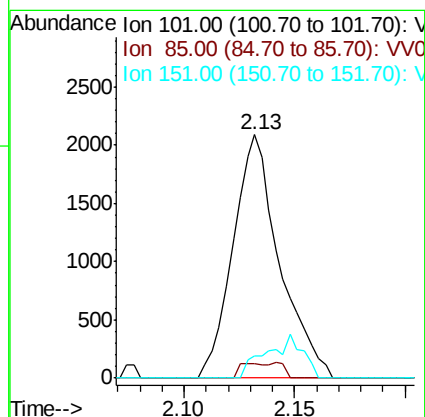
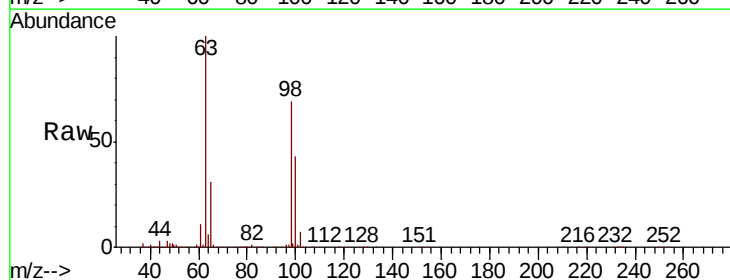
Tgt Ion: 101 Resp: 3052

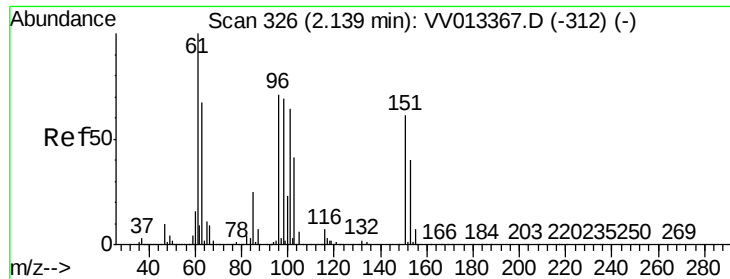
Ion Ratio Lower Upper

101 100

85 3.7 31.8 47.8#

151 13.9 72.9 109.3#





#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013373.D

Acq: 26 Oct 2019 14:42

Instrument :

MSVOA_V

ClientSampleId :

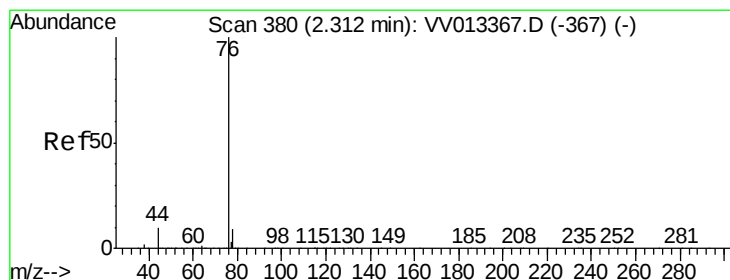
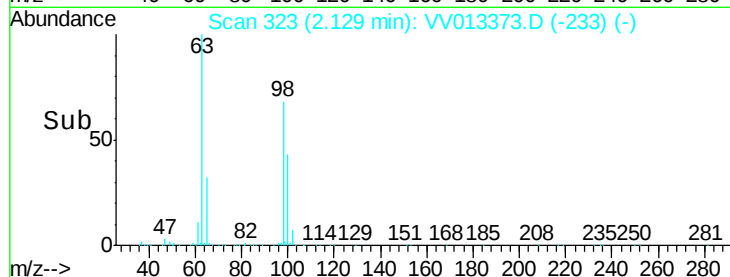
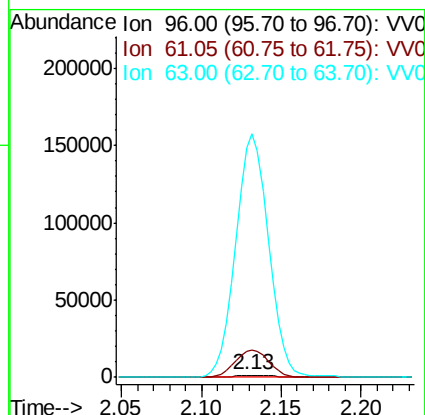
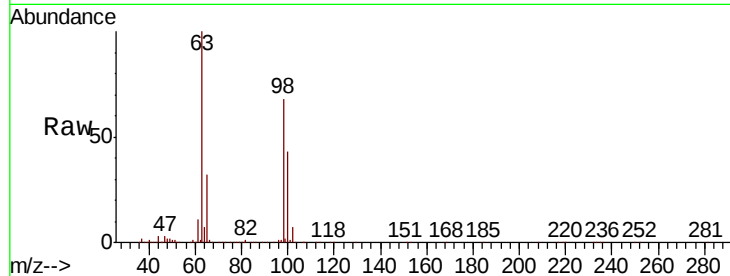
Tot Ion: 96 Resp: 2447

Ion Ratio Lower Upper

96 100

61 1348.6 104.0 193.1#

63 11791.9 67.1 124.5#



#14

Carbon disulfide

Concen: 0.051 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV013373.D

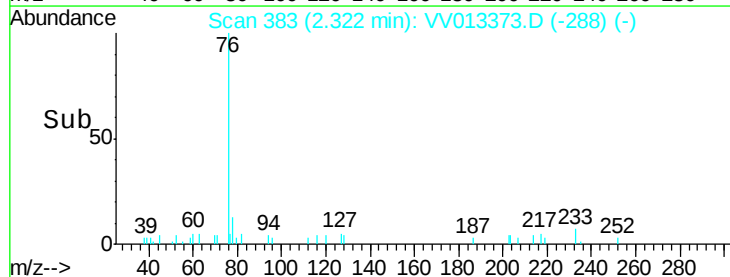
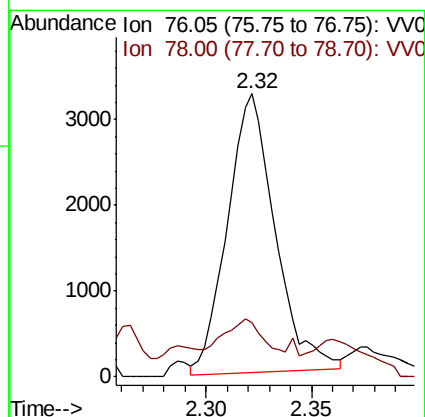
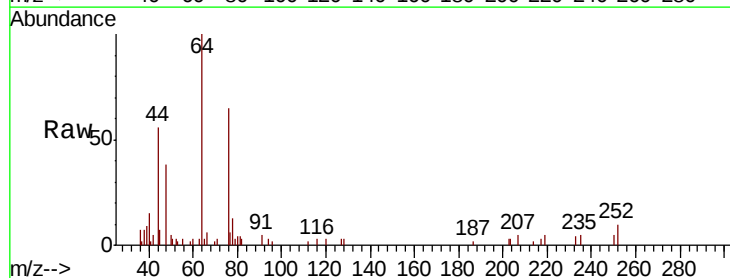
Acq: 26 Oct 2019 14:42

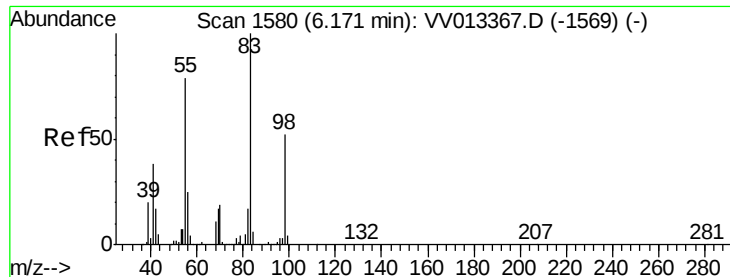
Tgt Ion: 76 Resp: 5112

Ion Ratio Lower Upper

76 100

78 19.3 7.3 10.9#





#35

Methvlcvclohexane

Concen: 0.726 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013373.D

Acq: 26 Oct 2019 14:42

Instrument :

MSVOA_V

ClientSampleId :

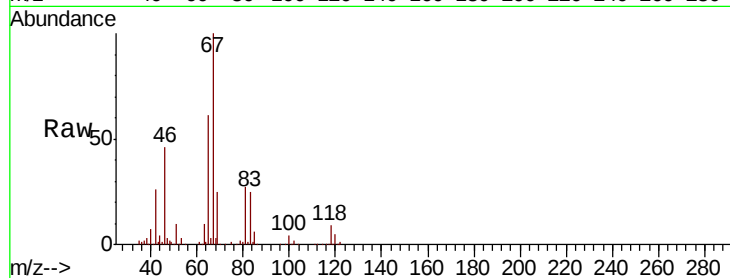
Tot Ion: 83 Resp: 55181

Ion Ratio Lower Upper

83 100

55 0.5 62.4 93.6#

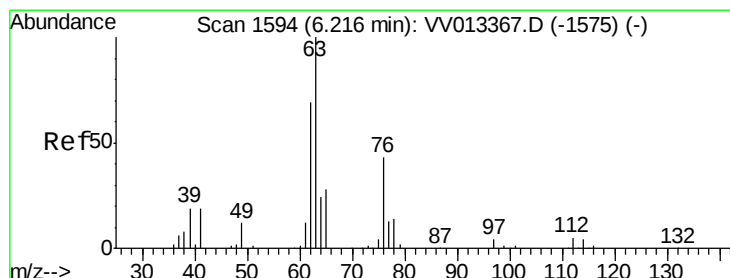
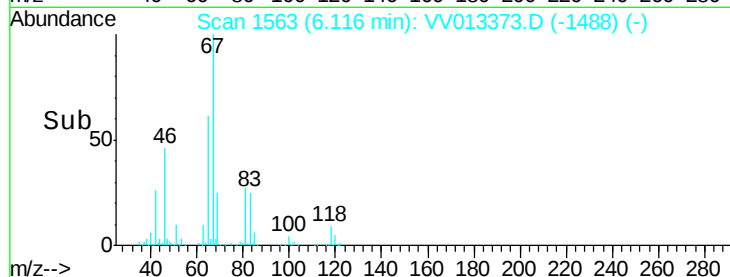
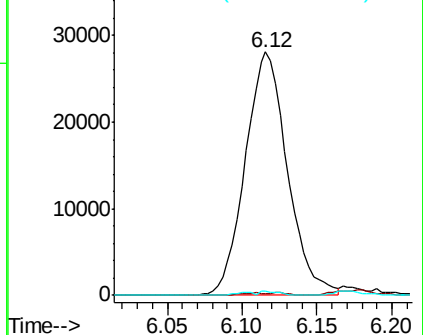
98 0.7 39.2 58.8#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.513 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013373.D

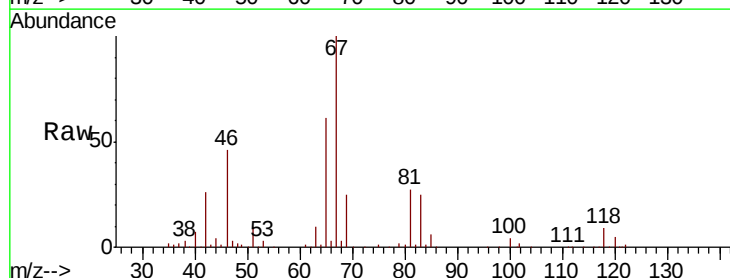
Acq: 26 Oct 2019 14:42

Tgt Ion: 63 Resp: 22960

Ion Ratio Lower Upper

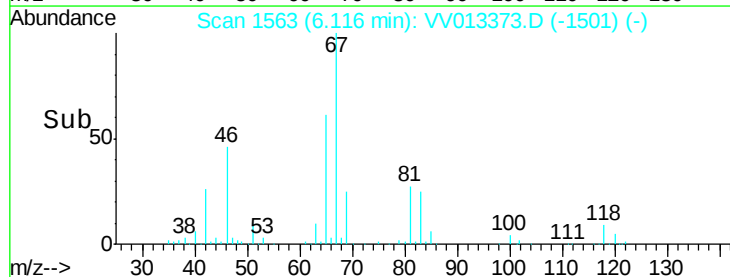
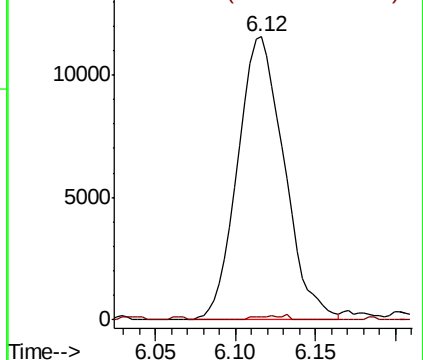
63 100

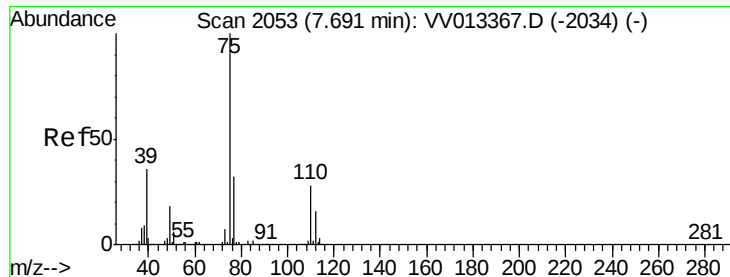
112 0.3 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013373.D

Acq: 26 Oct 2019 14:42

Instrument :

MSVOA_V

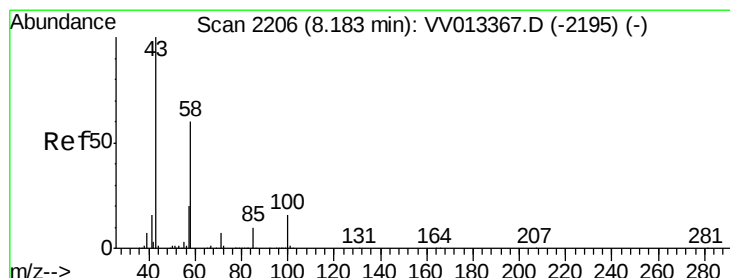
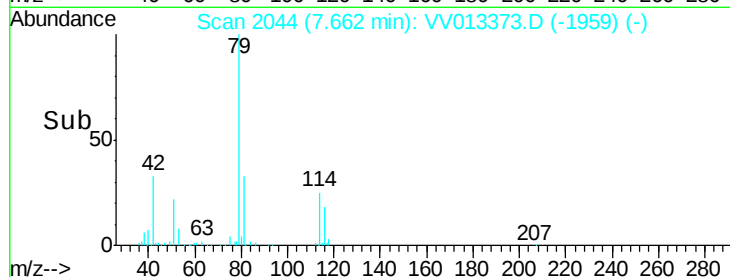
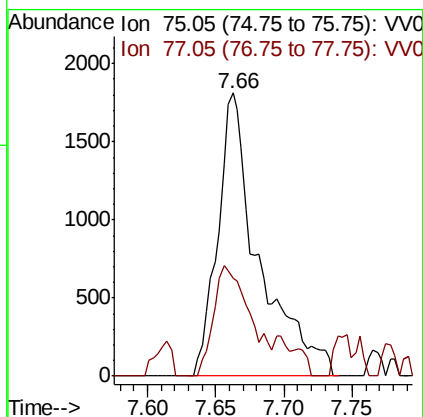
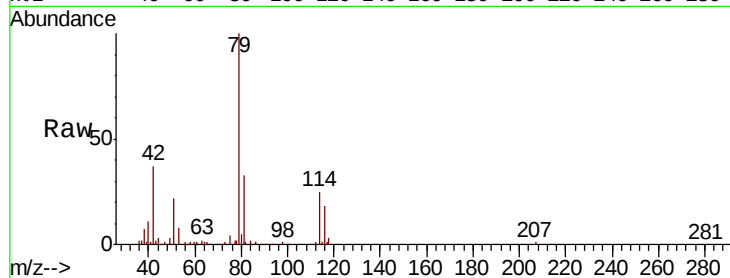
ClientSampleId :

Tot Ion: 75 Resp: 3801

Ion Ratio Lower Upper

75 100

77 34.4 21.8 40.6



#48

2-Hexanone

Concen: 1.998 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013373.D

Acq: 26 Oct 2019 14:42

Tgt Ion: 43 Resp: 32630

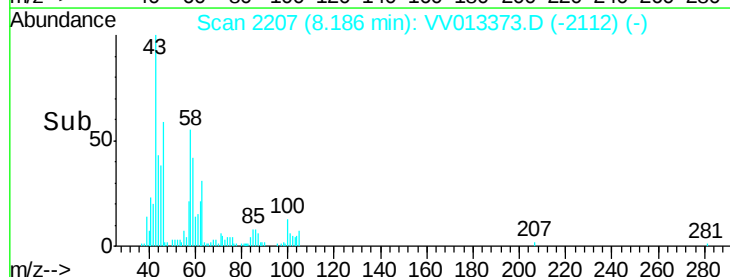
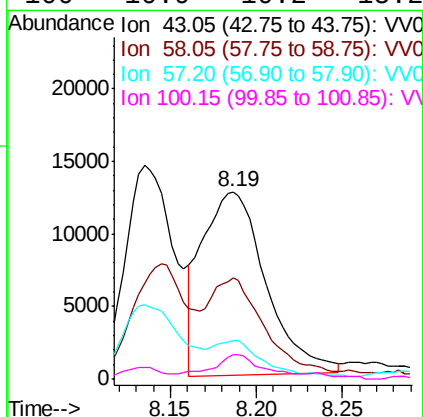
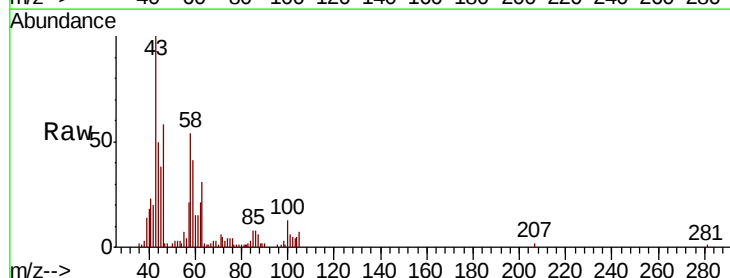
Ion Ratio Lower Upper

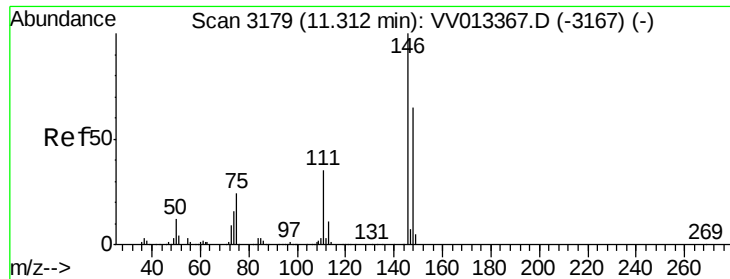
43 100

58 43.8 45.1 67.7#

57 13.1 15.5 23.3#

100 10.9 10.2 15.2

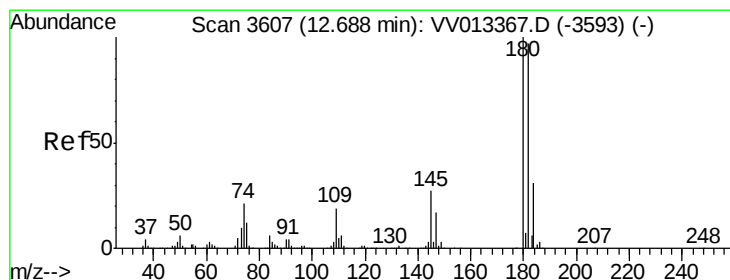
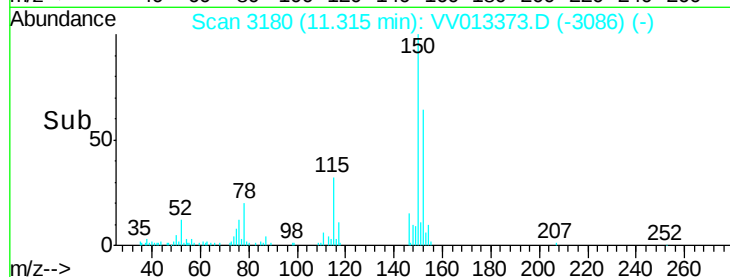
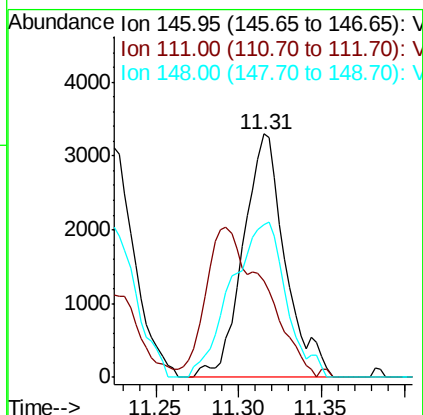
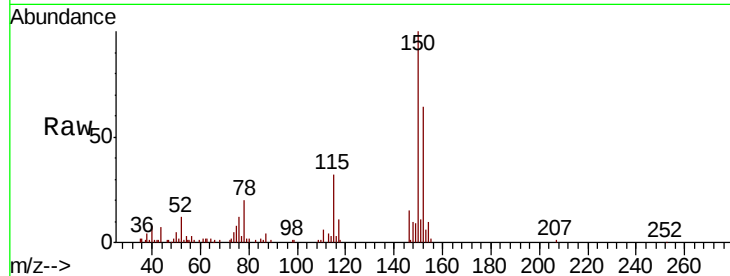




#63
 1,4-Dichlorobenzene
 Concen: 0.066 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013373.D
 Acq: 26 Oct 2019 14:42

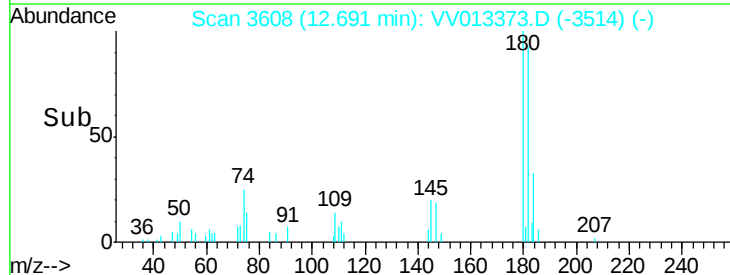
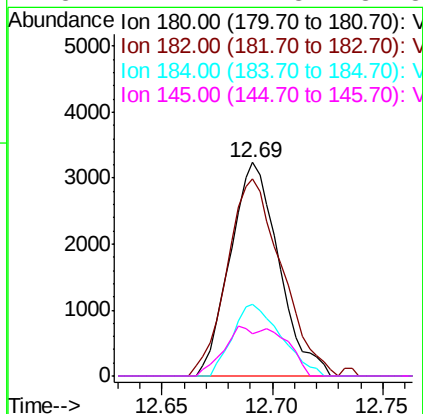
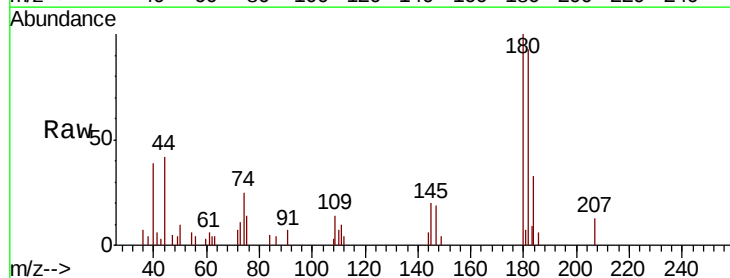
Instrument :
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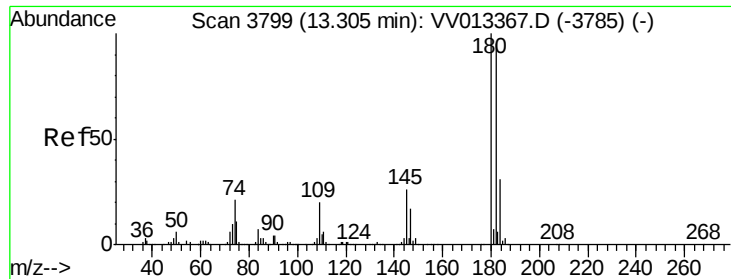
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	24.6	45.6
148	62.8	43.3	80.5



#67
 1,3,5-Trichlorobenzene
 Concen: 0.077 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013373.D
 Acq: 26 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.1	76.2	114.2
184	33.6	24.0	36.0
145	14.2	21.8	32.8

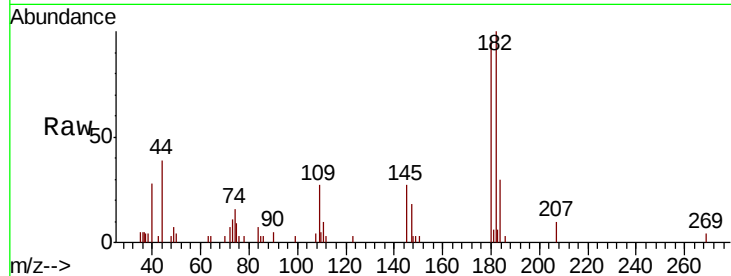




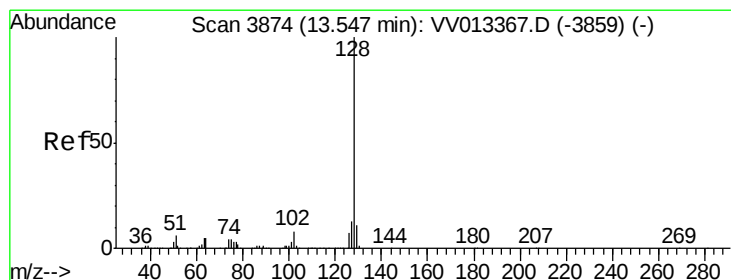
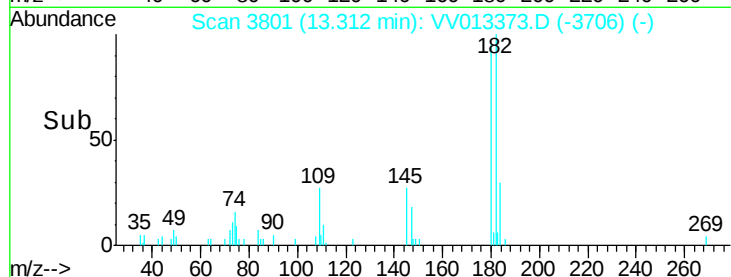
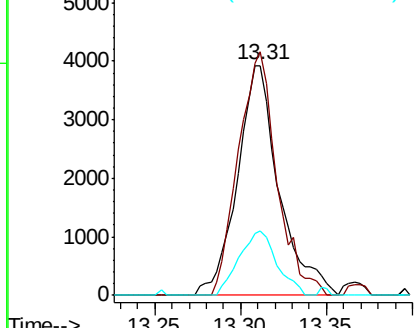
#68
 1,2,4-trichlorobenzene
 Concen: 0.117 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.01 min
 Lab File: VV013373.D
 Acq: 26 Oct 2019 14:42

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 6608
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.7 115.1
 145 25.4 22.1 33.1

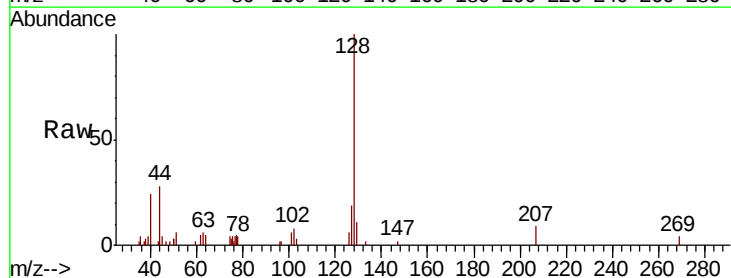


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

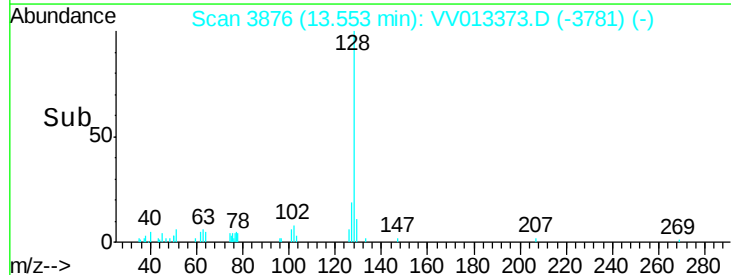
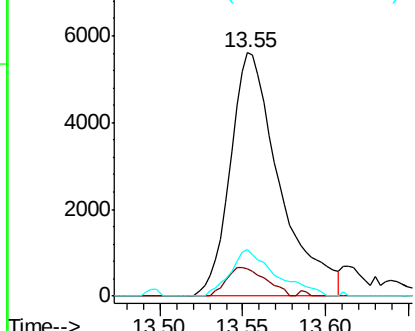


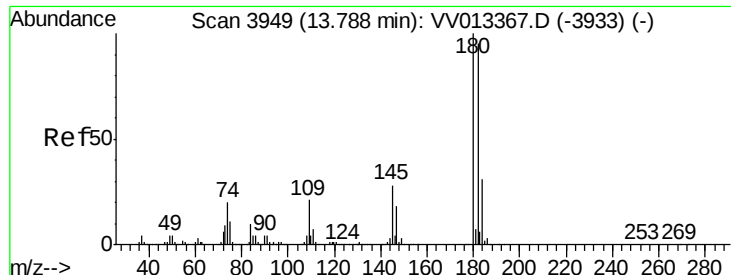
#69
 Naphthalene
 Concen: 0.148 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.01 min
 Lab File: VV013373.D
 Acq: 26 Oct 2019 14:42

Tgt Ion:128 Resp: 11543
 Ion Ratio Lower Upper
 128 100
 129 9.5 9.0 13.6
 127 17.6 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

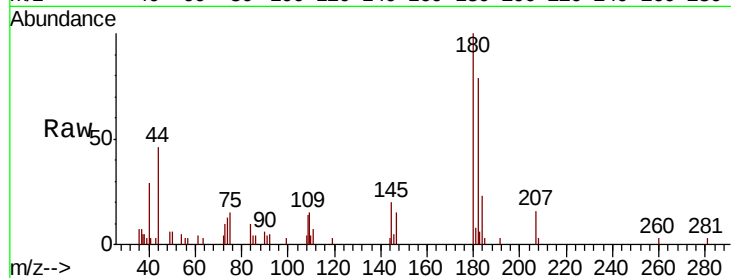




#70
 1,2,3-Trichlorobenzene
 Concen: 0.130 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013373.D
 Acq: 26 Oct 2019 14:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.0	76.5	114.7
145	24.3	23.5	35.3



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

