

Data File : VV010469.D
Acq On : 24 Apr 2019 18:01
Operator : SY/MD
Sample : K2477-02
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0X50

Quant Time: Apr 25 02:25:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 02:19:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	220027	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	218243	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102397	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60837	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	49526	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.13	63	95171	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	3.99	46	133851	49.22	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.44%
24) Chloroform-d	4.40	84	135711	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.09	65	67559	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.10	84	264366	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.12	67	77128	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	241554	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.67	79	27550	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.14	63	106165	46.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	55583	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	99090	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

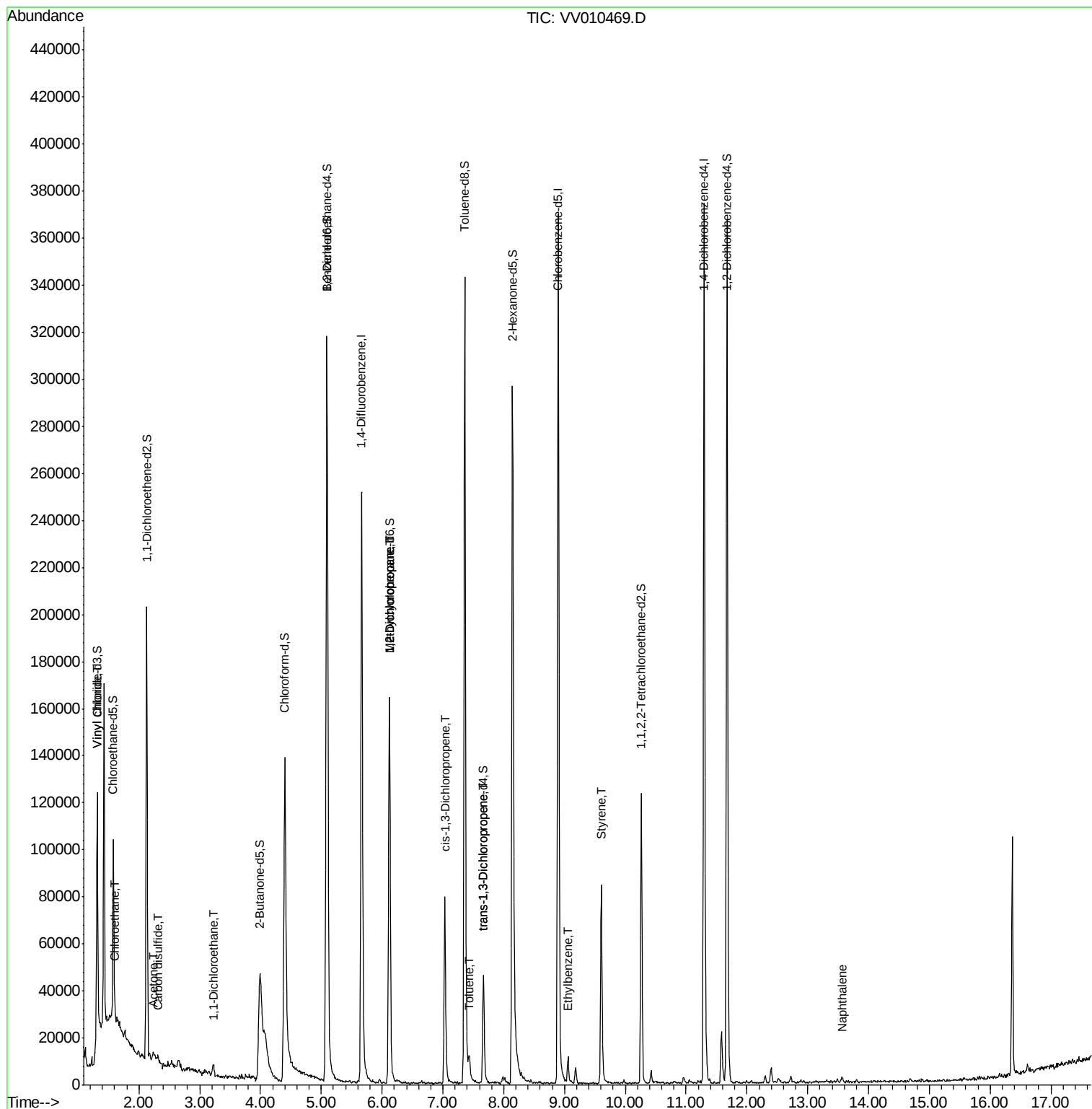
					Qvalue	
5) Vinyl chloride	1.32	62	4850	0.323	ug/L #	1
8) Chloroethane	1.61	64	1192	0.142	ug/L #	54
13) Acetone	2.24	43	6554	4.005	ug/L	83
14) Carbon disulfide	2.32	76	2881	0.080	ug/L	95
19) 1,1-Dichloroethane	3.23	63	2306	0.100	ug/L #	77
35) Methylcyclohexane	6.12	83	19934	0.825	ug/L #	21
37) 1,2-Dichloropropane	6.12	63	9277	0.685	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1983	0.099	ug/L #	67
42) Toluene	7.43	91	6208	0.098	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1259	0.081	ug/L #	40
52) Ethylbenzene	9.06	91	6726	0.095	ug/L	94
55) Styrene	9.60	104	42592	0.965	ug/L	96
69) Naphthalene	13.55	128	2257	0.077	ug/L #	90

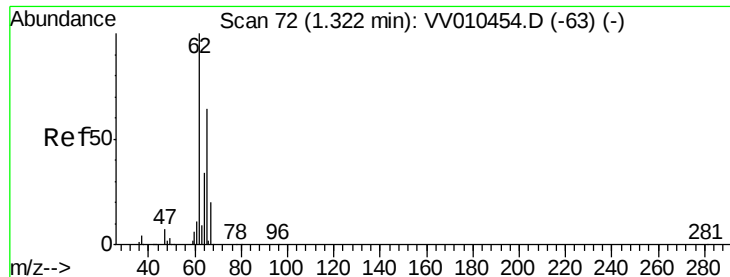
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.323 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV010469.D

Acq: 24 Apr 2019 18:01

Instrument :

MSVOA_V

ClientSampleId :

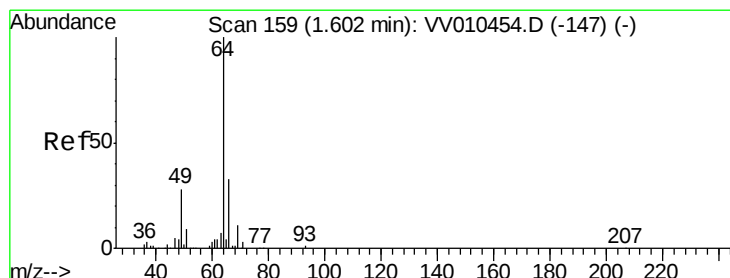
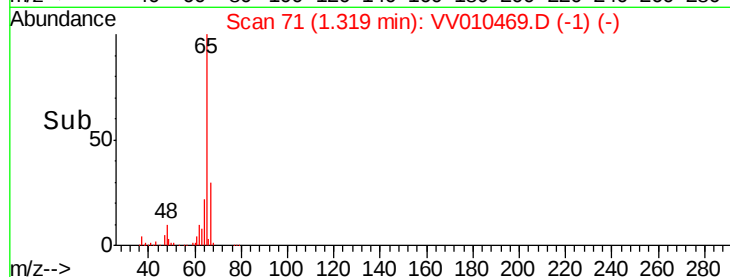
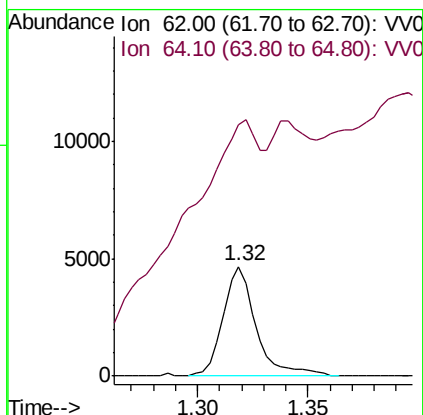
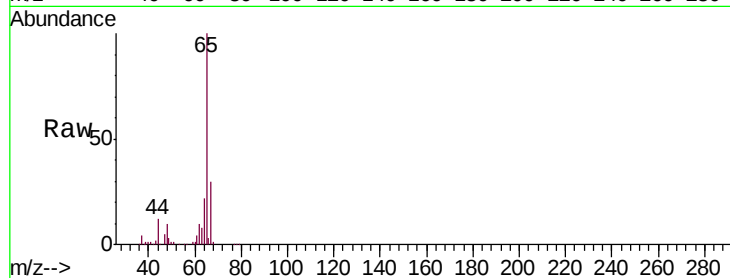
C0X50

Tgt Ion: 62 Resp: 4850

Ion Ratio Lower Upper

62 100

64 230.1 25.4 47.2#



#8

Chloroethane

Concen: 0.142 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VV010469.D

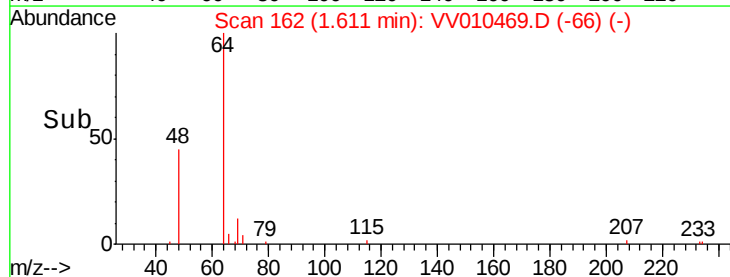
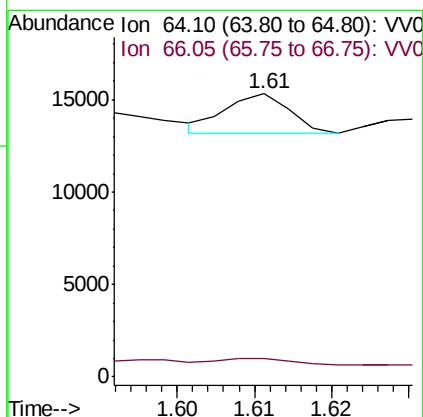
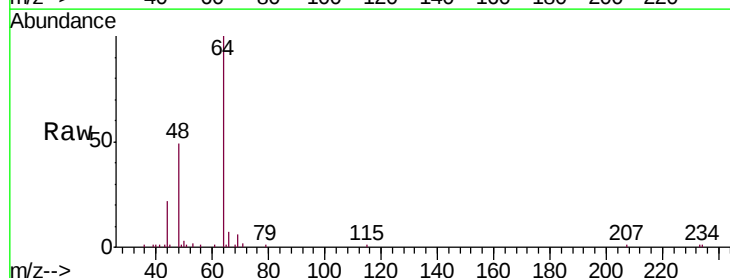
Acq: 24 Apr 2019 18:01

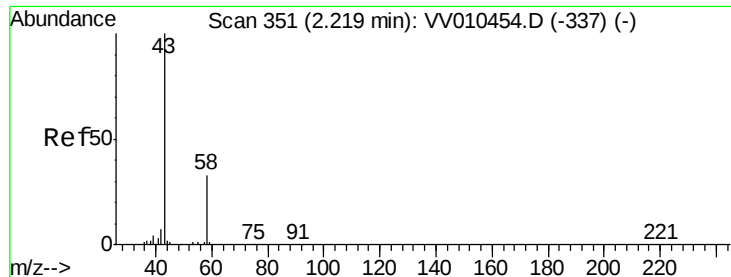
Tgt Ion: 64 Resp: 1192

Ion Ratio Lower Upper

64 100

66 6.5 22.5 41.9#





#13

Acetone

Concen: 4.005 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.03 min

Lab File: VV010469.D

Acq: 24 Apr 2019 18:01

Instrument :

MSVOA_V

ClientSampleId :

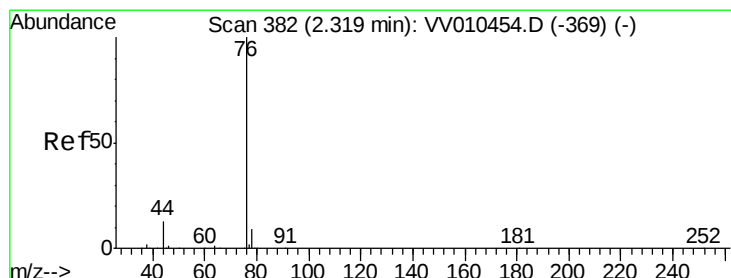
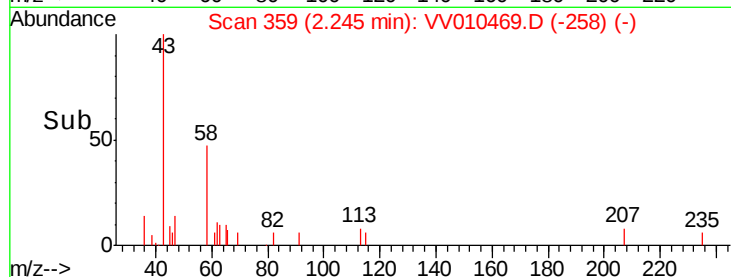
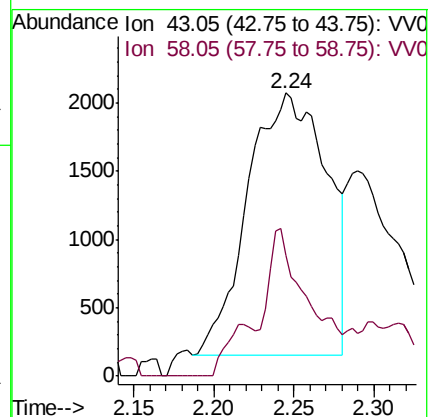
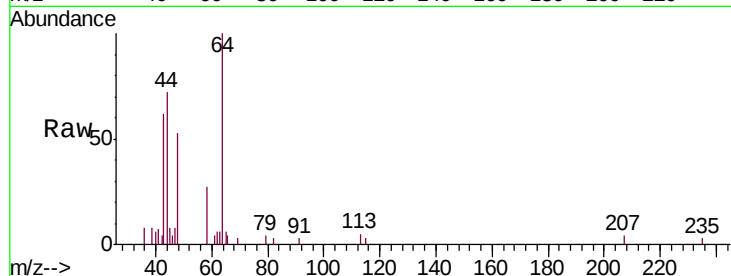
C0X50

Tgt Ion: 43 Resp: 6554

Ion Ratio Lower Upper

43 100

58 20.8 0.0 59.6



#14

Carbon disulfide

Concen: 0.080 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010469.D

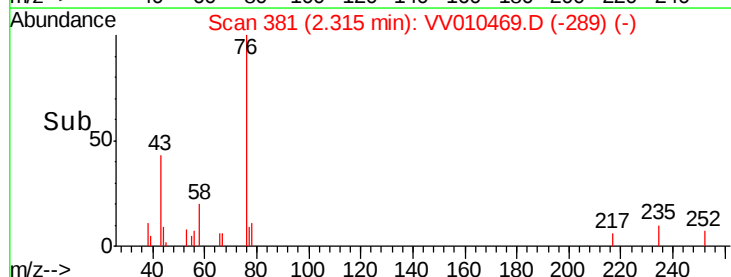
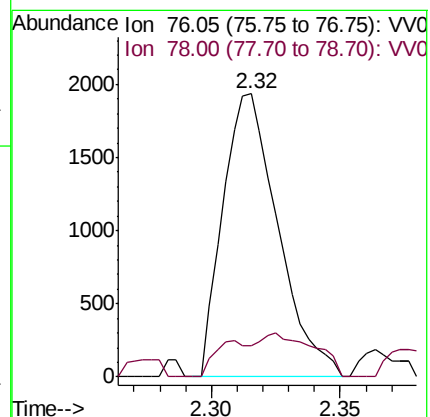
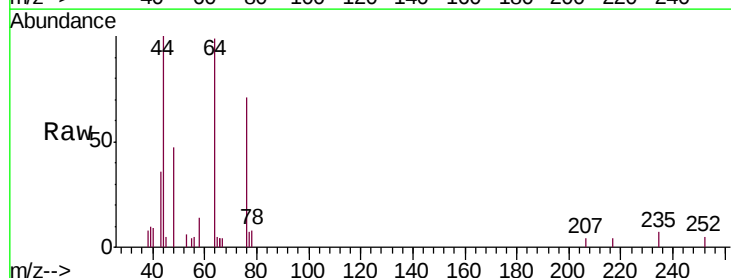
Acq: 24 Apr 2019 18:01

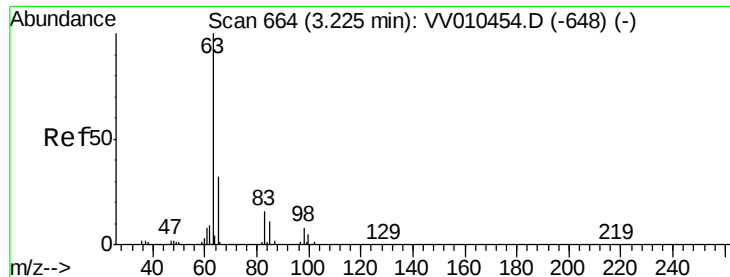
Tgt Ion: 76 Resp: 2881

Ion Ratio Lower Upper

76 100

78 11.1 7.5 11.3

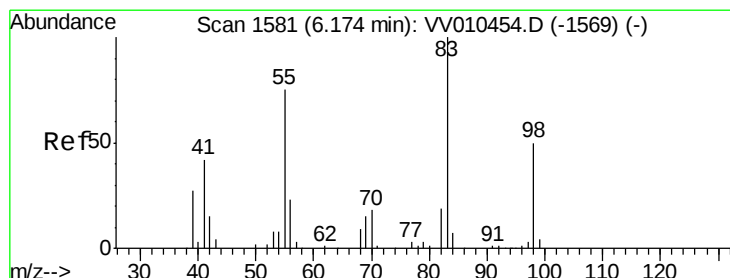
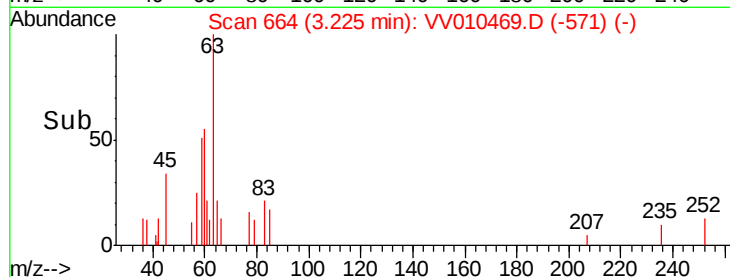
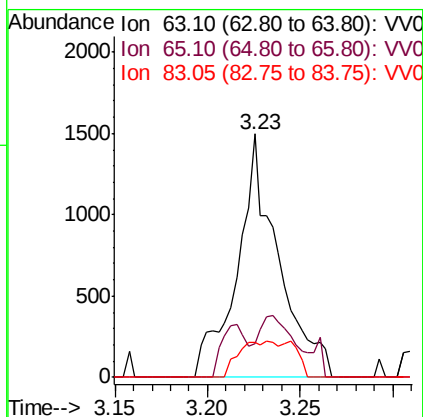
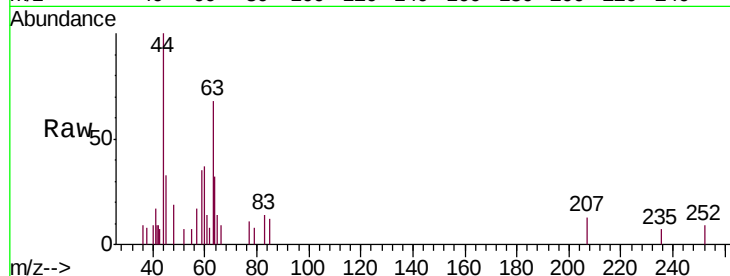




#19
 1,1-Dichloroethane
 Concen: 0.100 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV010469.D
 Acq: 24 Apr 2019 18:01

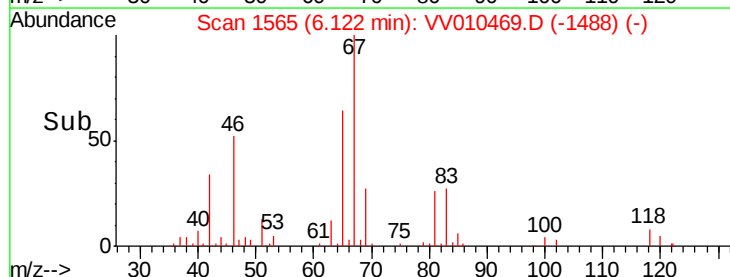
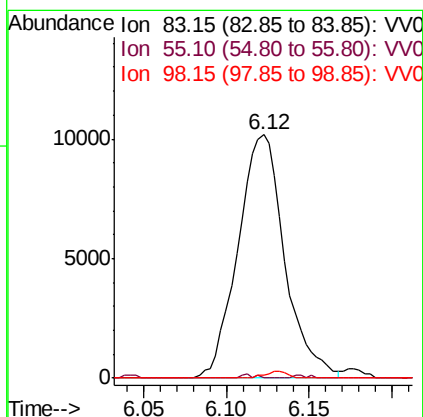
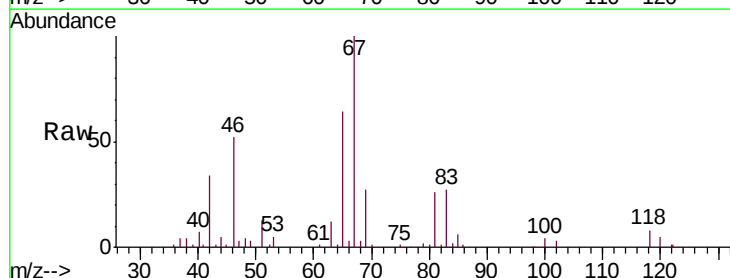
Instrument :
 MSVOA_V
 ClientSampleId :
 C0X50

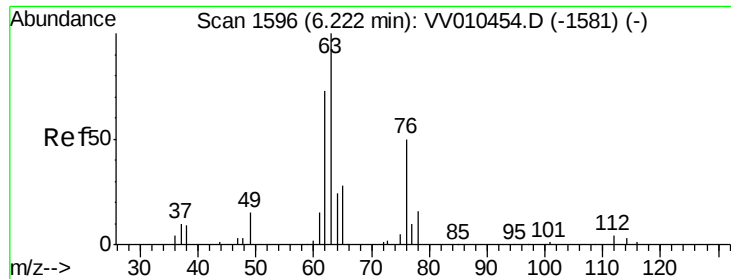
Tgt Ion: 63 Resp: 2306
 Ion Ratio Lower Upper
 63 100
 65 14.0 22.7 42.3#
 83 14.4 11.3 20.9



#35
 Methylcyclohexane
 Concen: 0.825 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: VV010469.D
 Acq: 24 Apr 2019 18:01

Tgt Ion: 83 Resp: 19934
 Ion Ratio Lower Upper
 83 100
 55 0.4 57.8 86.6#
 98 1.4 38.8 58.2#

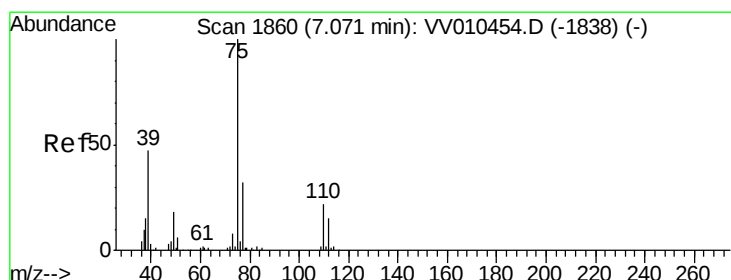
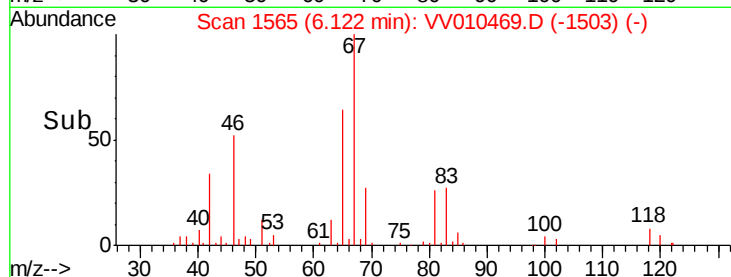
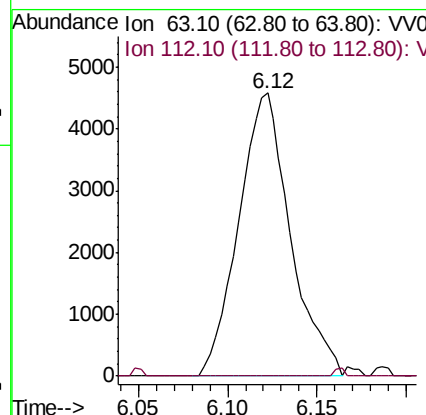
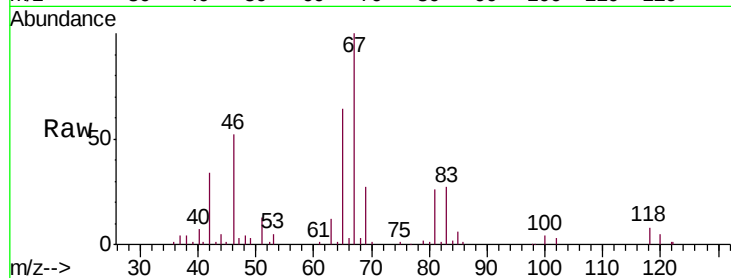




#37
 1,2-Dichloropropane
 Concen: 0.685 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV010469.D
 Acq: 24 Apr 2019 18:01

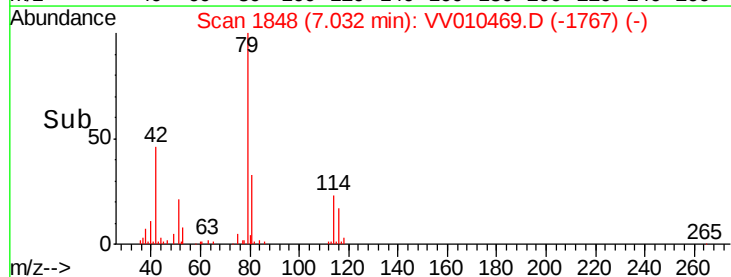
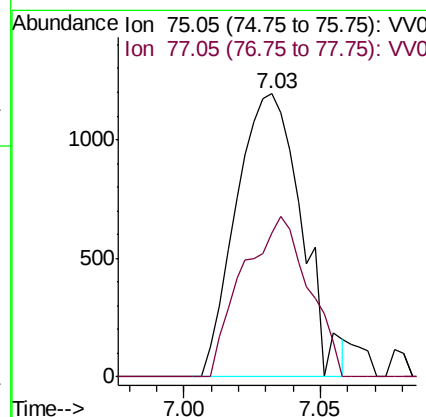
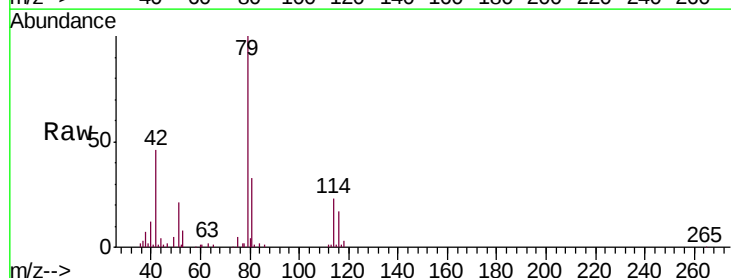
Instrument :
 MSVOA_V
 ClientSampleId :
 C0X50

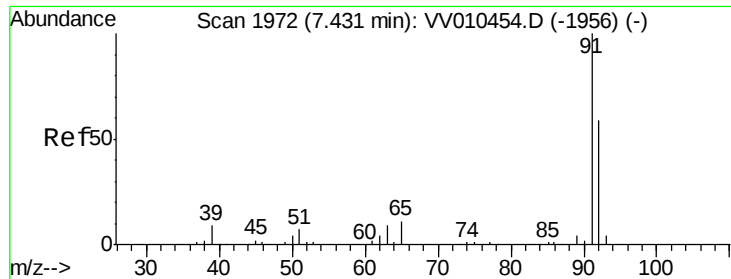
Tgt Ion: 63 Resp: 9277
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV010469.D
 Acq: 24 Apr 2019 18:01

Tgt Ion: 75 Resp: 1983
 Ion Ratio Lower Upper
 75 100
 77 50.7 22.5 41.7#





#42

Toluene

Concen: 0.098 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010469.D

Acq: 24 Apr 2019 18:01

Instrument :

MSVOA_V

ClientSampleId :

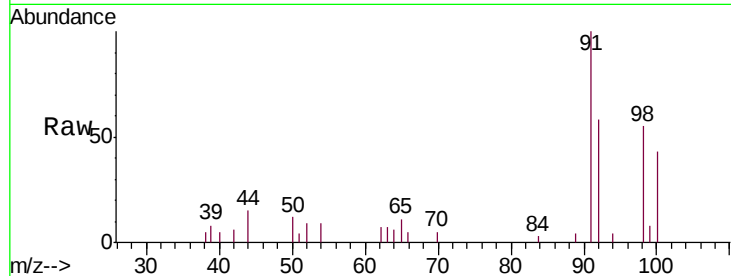
C0X50

Tgt Ion: 91 Resp: 6208

Ion Ratio Lower Upper

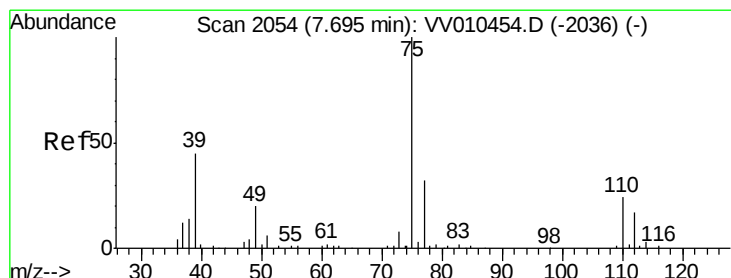
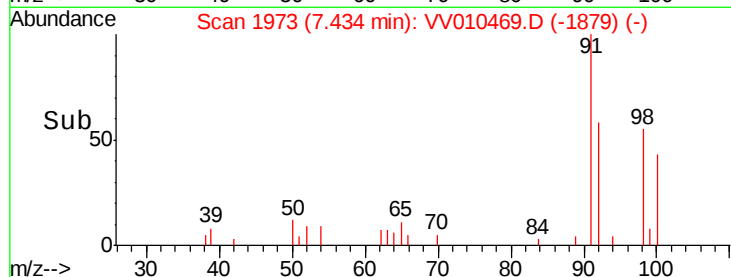
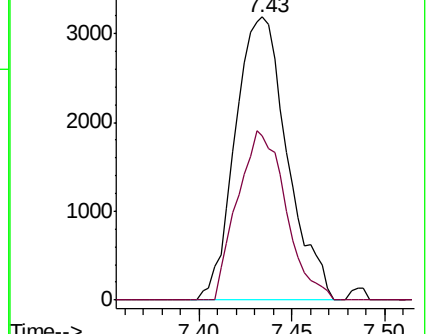
91 100

92 57.9 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010469.D

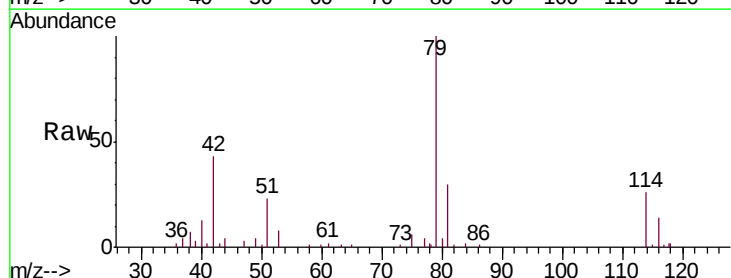
Acq: 24 Apr 2019 18:01

Tgt Ion: 75 Resp: 1259

Ion Ratio Lower Upper

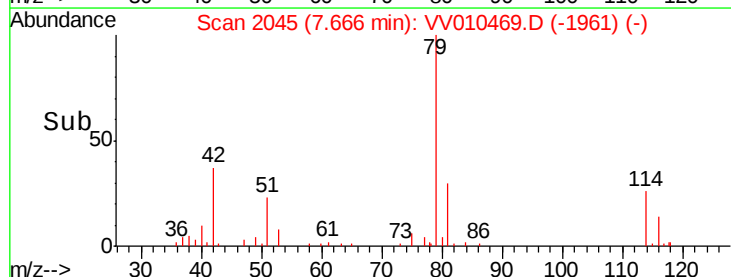
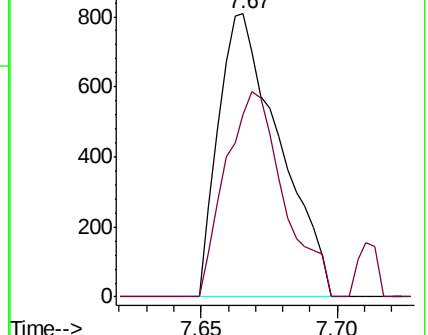
75 100

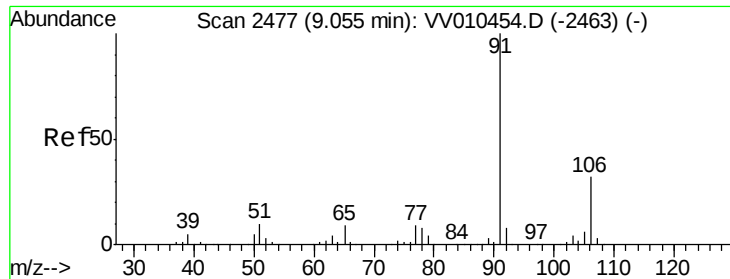
77 64.6 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#52

Ethylbenzene

Concen: 0.095 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV010469.D

Acq: 24 Apr 2019 18:01

Instrument :

MSVOA_V

ClientSampleId :

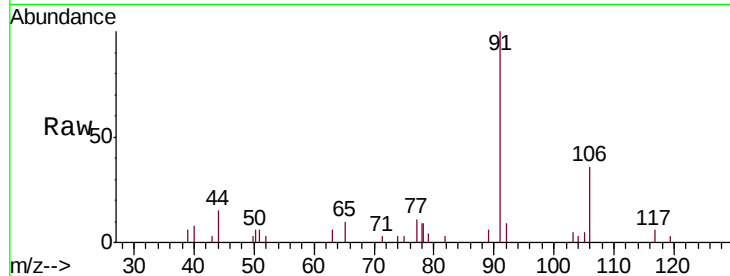
C0X50

Tgt Ion: 91 Resp: 6726

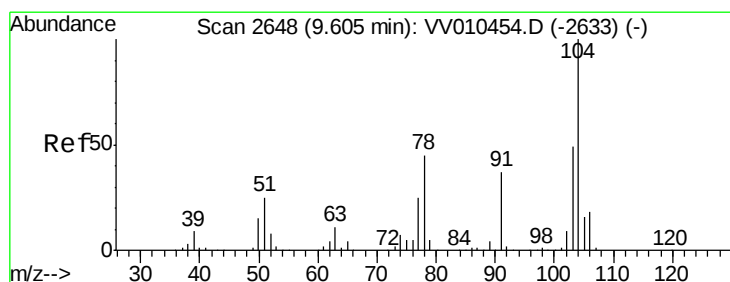
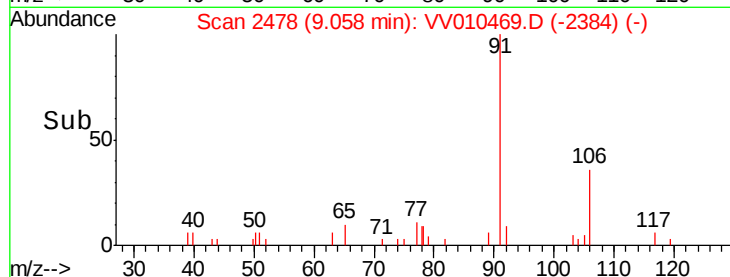
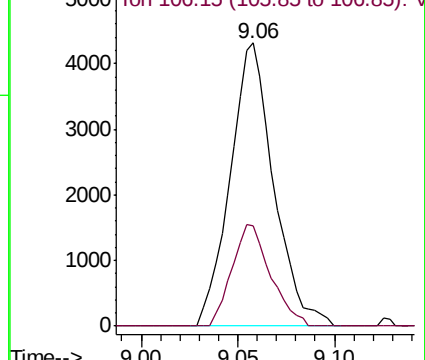
Ion Ratio Lower Upper

91 100

106 35.6 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV010454.D (-2463) (-)



#55

Styrene

Concen: 0.965 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010469.D

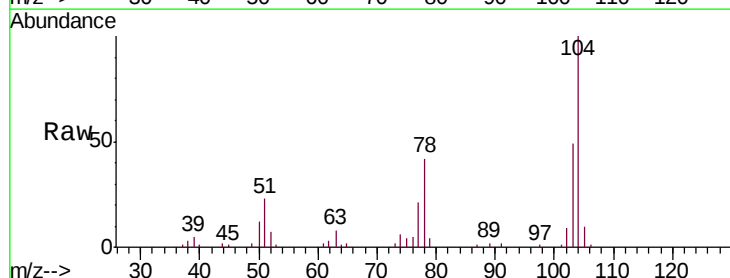
Acq: 24 Apr 2019 18:01

Tgt Ion: 104 Resp: 42592

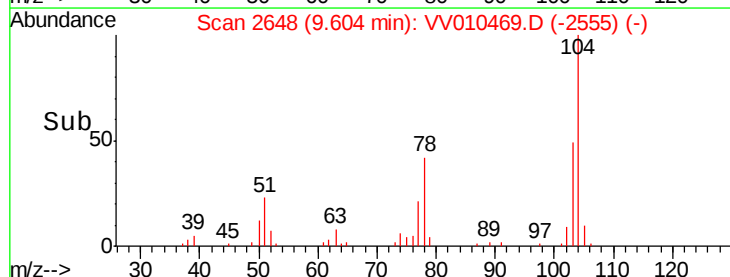
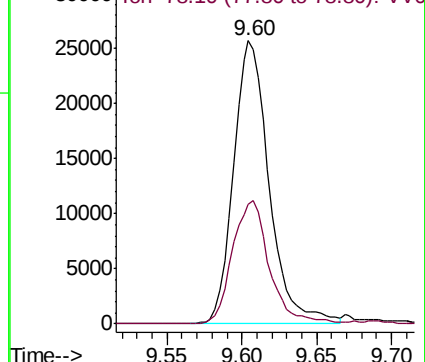
Ion Ratio Lower Upper

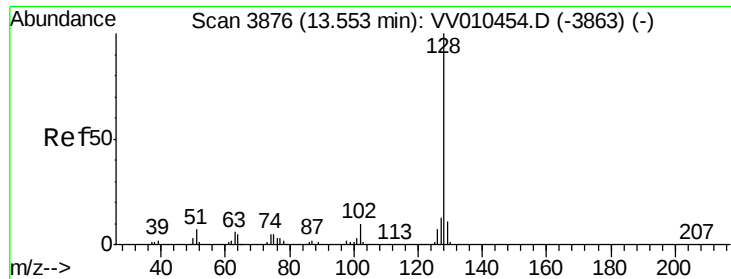
104 100

78 42.0 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): VV010454.D (-2633) (-)





#69

Naphthalene

Concen: 0.077 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010469.D

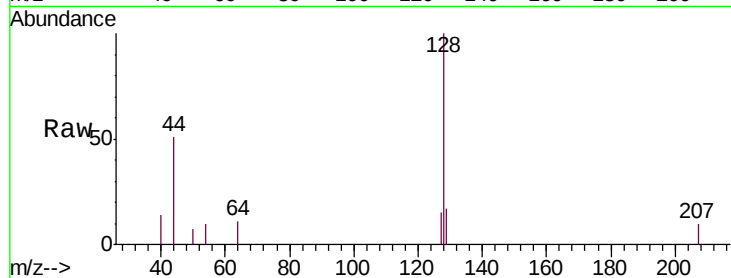
Acq: 24 Apr 2019 18:01

Instrument :

MSVOA_V

ClientSampleId :

C0X50



Tgt Ion:128 Resp: 2257

Ion Ratio Lower Upper

128 100

129 6.2 8.7 13.1#

127 9.5 10.3 15.5#

