

Data File : VW008811.D
Acq On : 25 Feb 2019 17:11
Operator : SY/VA
Sample : K1348-05RE
Misc : 6.22G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OK-03-022219-B

Quant Time: Feb 26 03:44:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	351284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	549614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	432775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	197941	60.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.16%	
35) Dibromofluoromethane	7.88	113	169511	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	10.32	98	612473	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.62	95	184512	36.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.98%	

Target Compounds

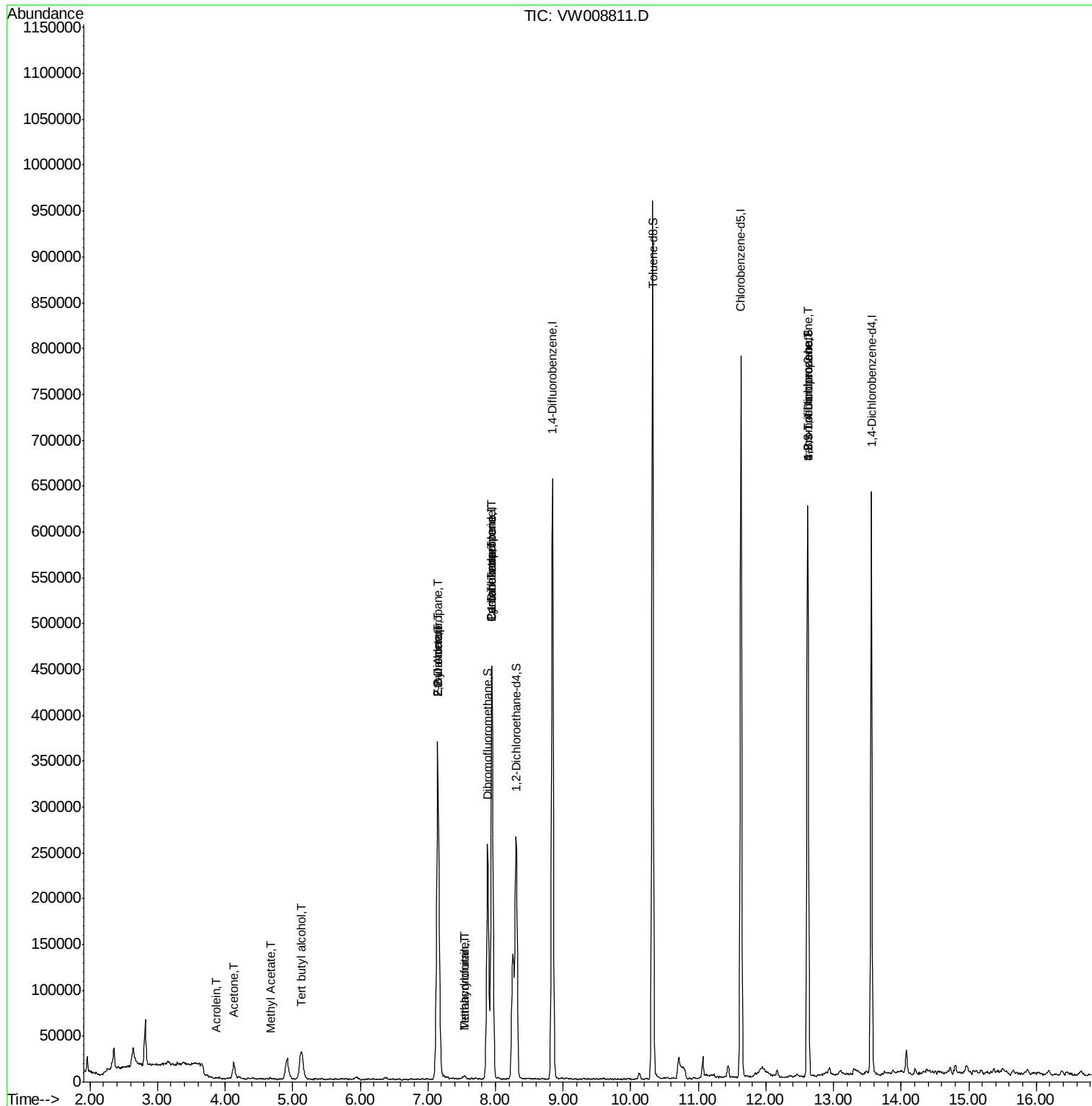
						Qvalue
11) Tert butyl alcohol	5.13	59	30050	102.448	ug/l #	72
13) Acrolein	3.88	56	94	20.060	ug/l #	1
16) Acetone	4.13	43	28104	36.800	ug/l	98
18) Methyl Acetate	4.68	43	2288	1.263	ug/l #	70
20) Methylene Chloride	4.92	84	17046	Below Cal		93
25) 2-Butanone	7.15	43	19050	17.842	ug/l #	70
26) 2,2-Dichloropropane	7.15	77	22499	4.039	ug/l #	54
29) Tetrahydrofuran	7.53	42	3325	4.887	ug/l	91
31) Cyclohexane	7.95	56	7122	1.147	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	26867	5.022	ug/l #	50
37) Ethyl Acetate	7.15	43	19050	7.657	ug/l #	1
38) Carbon Tetrachloride	7.95	117	33381	5.916	ug/l #	17
41) Methacrylonitrile	7.54	41	2360	1.614	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	97282	75.415	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	97282	183.339	ug/l #	6

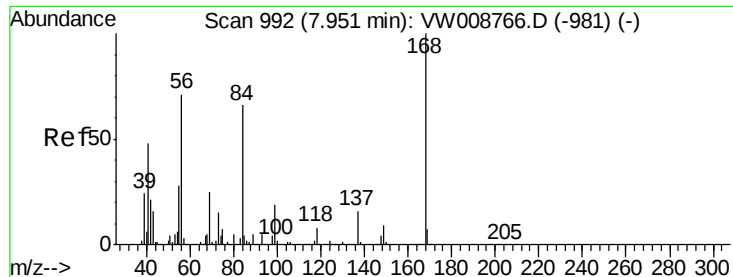
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

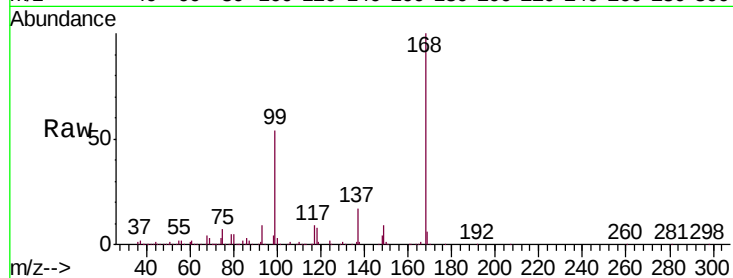
OK-03-022219-B

Tgt Ion:168 Resp: 351284

Ion Ratio Lower Upper

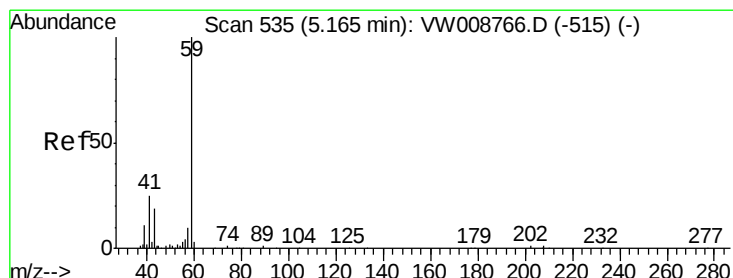
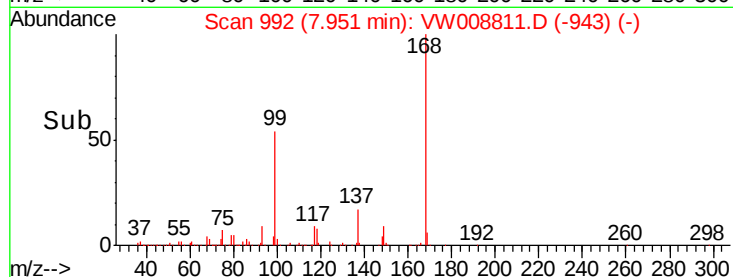
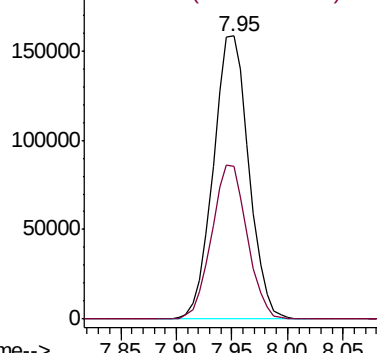
168 100

99 54.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 102.448 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008811.D

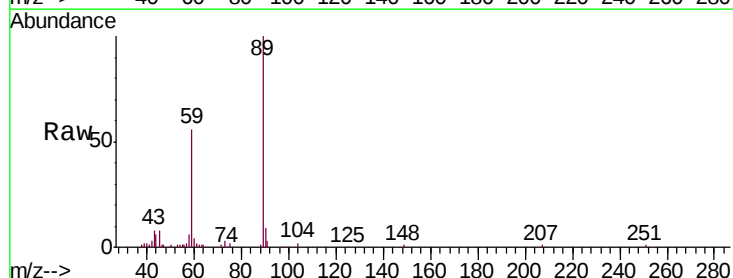
Acq: 25 Feb 2019 17:11

Tgt Ion: 59 Resp: 30050

Ion Ratio Lower Upper

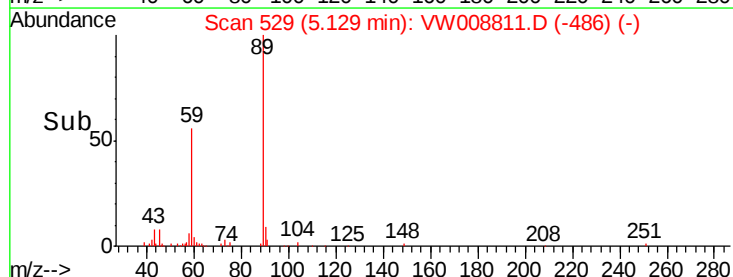
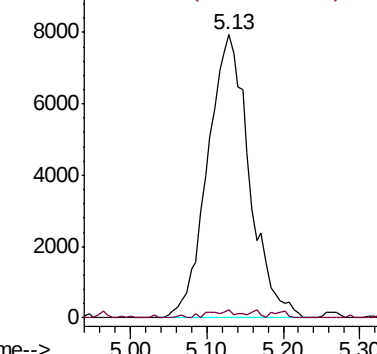
59 100

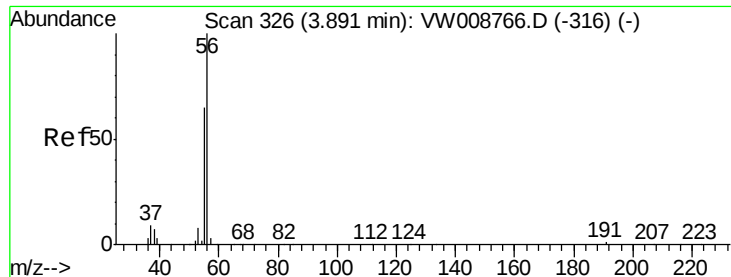
57 0.7 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 20.060 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

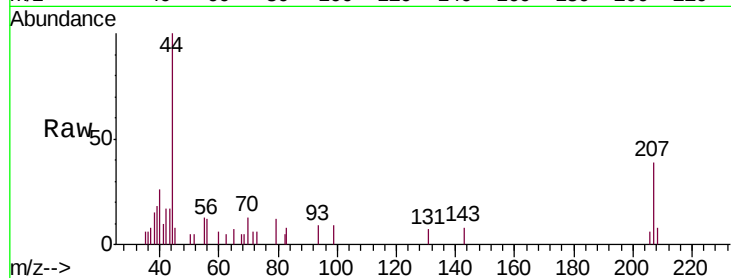
OK-03-022219-B

Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

55 214.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

200

150

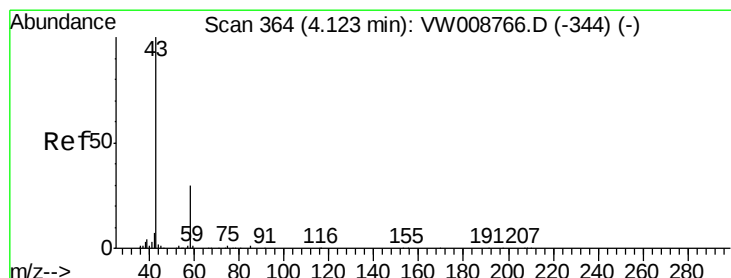
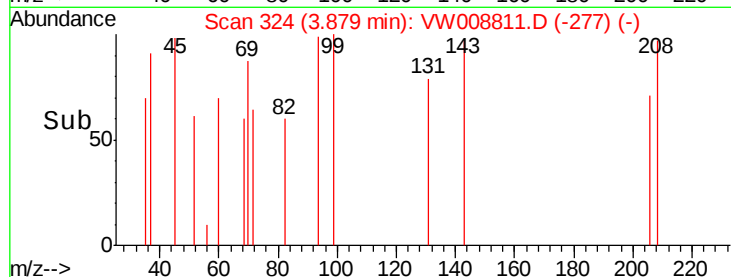
100

50

0

3.86 3.87 3.88 3.89

Time-->



#16

Acetone

Concen: 36.800 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008811.D

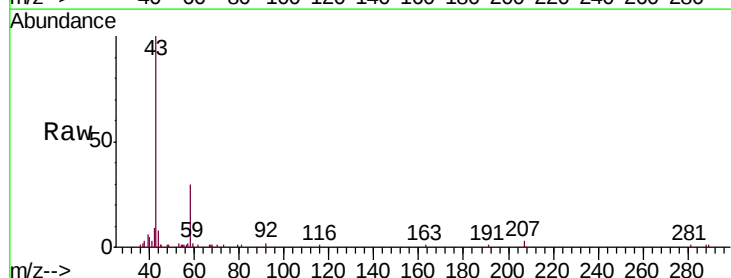
Acq: 25 Feb 2019 17:11

Tgt Ion: 43 Resp: 28104

Ion Ratio Lower Upper

43 100

58 30.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

12000

10000

8000

6000

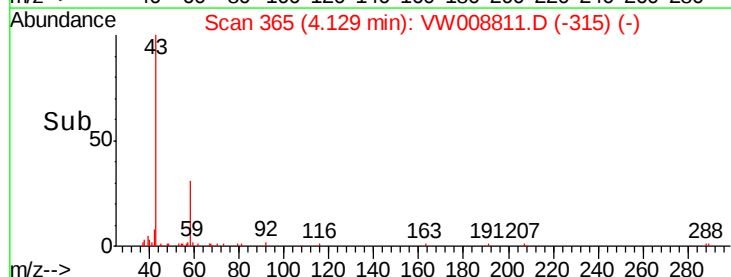
4000

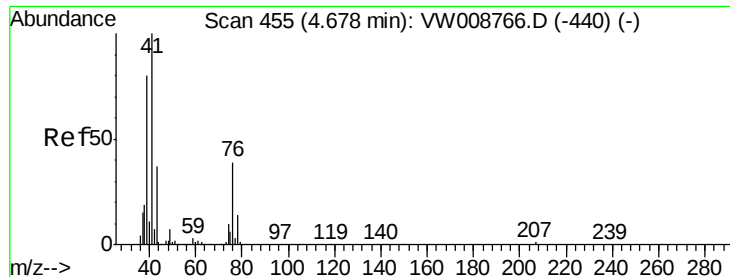
2000

0

4.00 4.10 4.20

Time-->

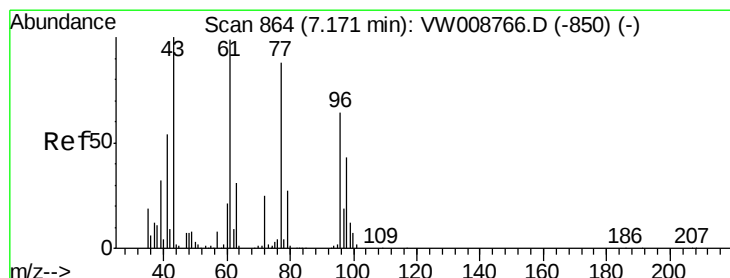
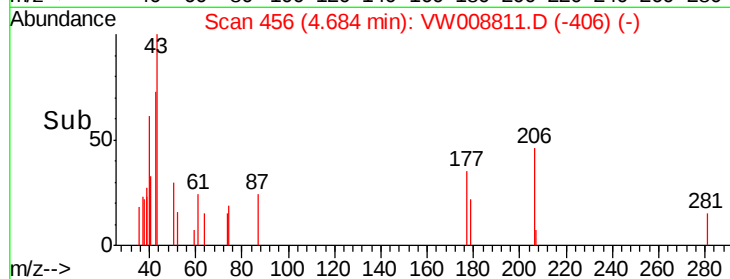
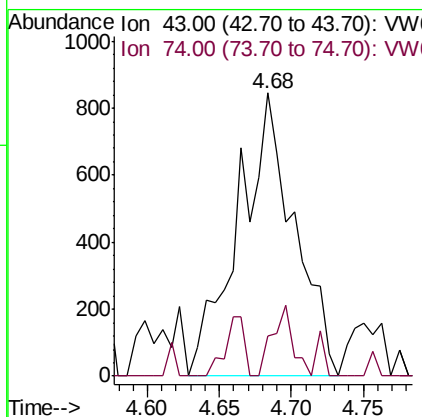
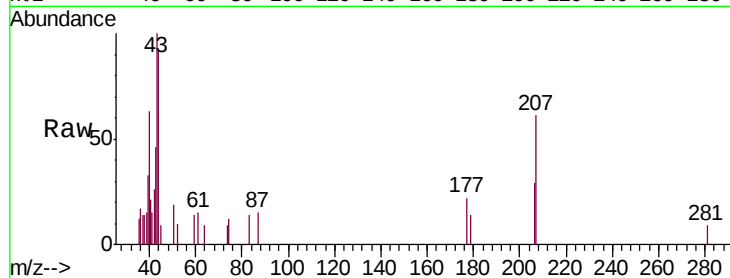




#18
Methyl Acetate
Concen: 1.263 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW008811.D
Acq: 25 Feb 2019 17:11

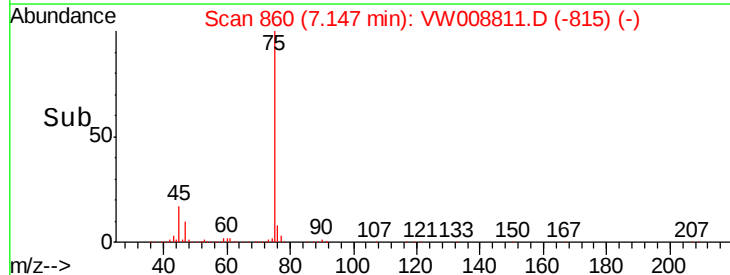
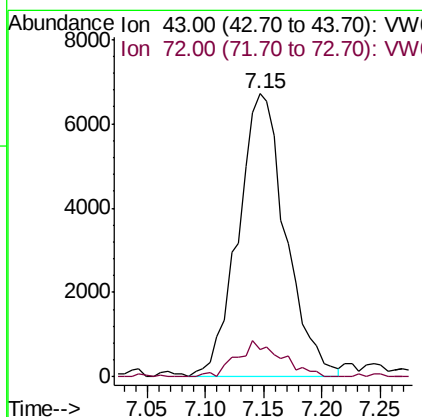
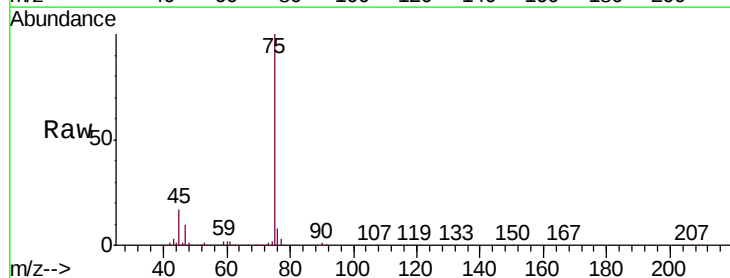
Instrument :
MSVOA_W
ClientSampleId :
OK-03-022219-B

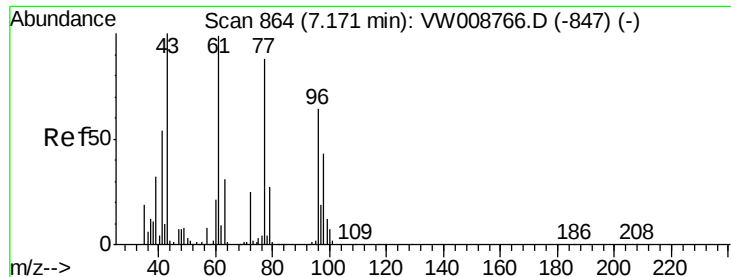
Tgt Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
74 9.2 19.4 29.2#



#25
2-Butanone
Concen: 17.842 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008811.D
Acq: 25 Feb 2019 17:11

Tgt Ion: 43 Resp: 19050
Ion Ratio Lower Upper
43 100
72 9.7 19.7 29.5#





#26

2,2-Dichloropropane

Concen: 4.039 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

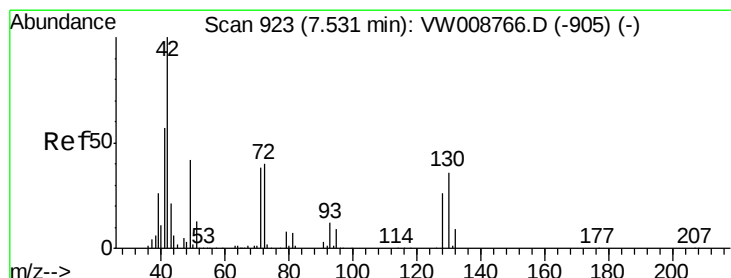
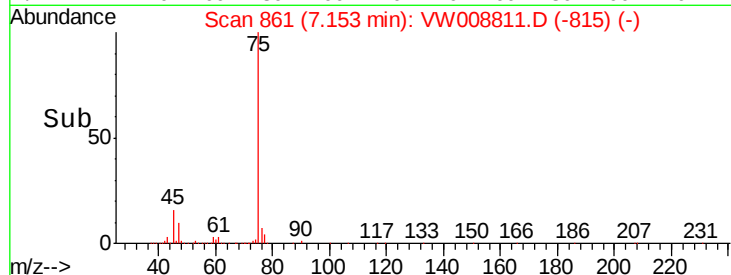
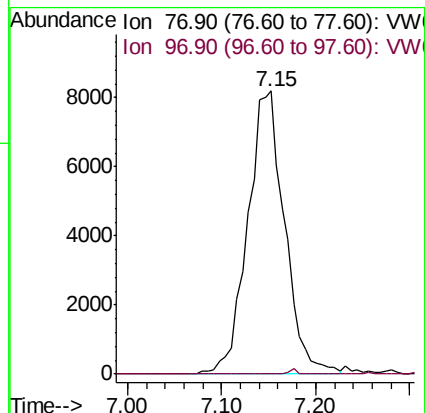
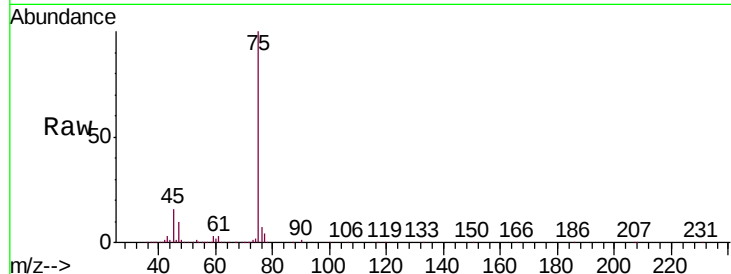
OK-03-022219-B

Tgt Ion: 77 Resp: 22499

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



#29

Tetrahydrofuran

Concen: 4.887 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

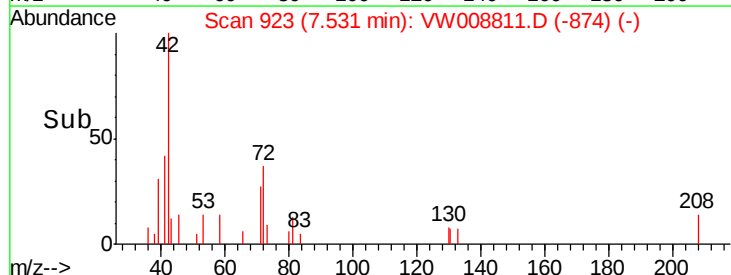
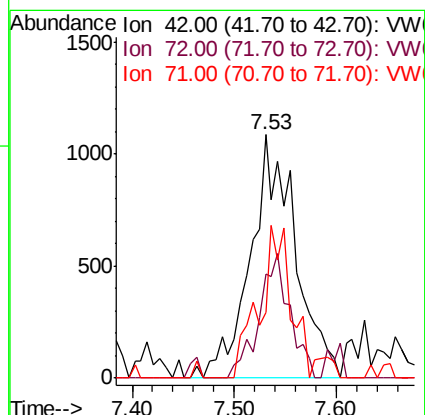
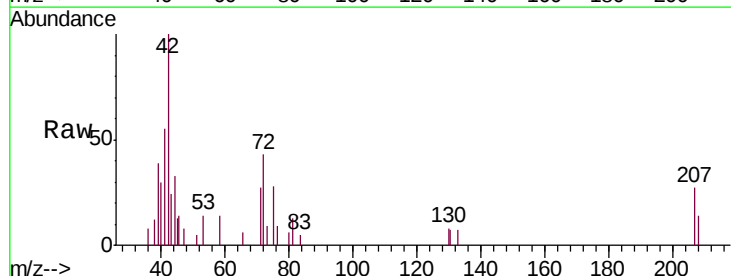
Tgt Ion: 42 Resp: 3325

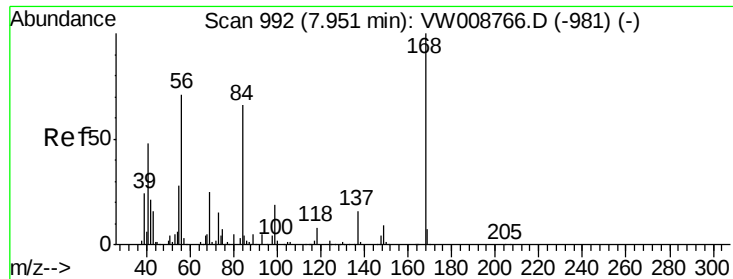
Ion Ratio Lower Upper

42 100

72 35.3 32.7 49.1

71 44.0 31.3 46.9

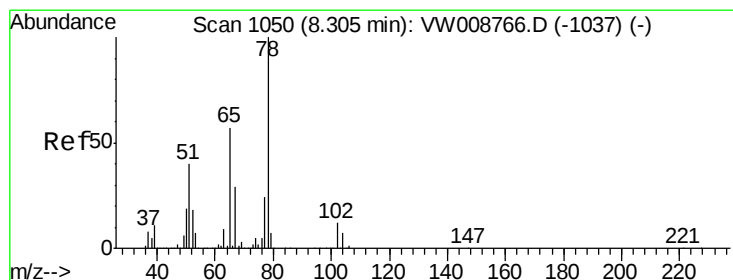
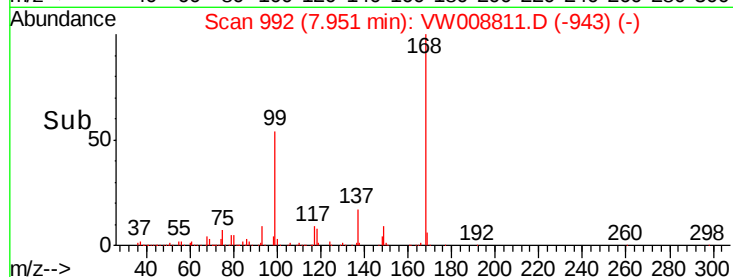
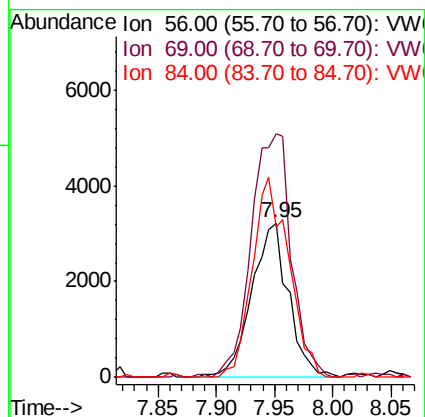
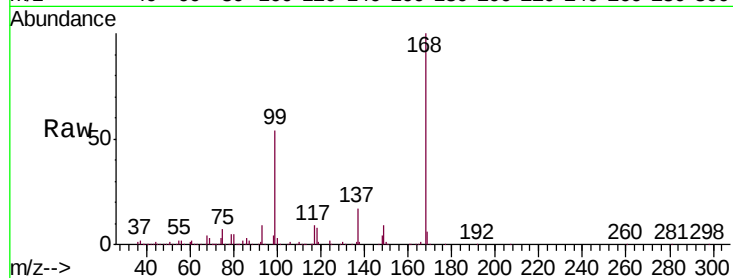




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008811.D
Acq: 25 Feb 2019 17:11

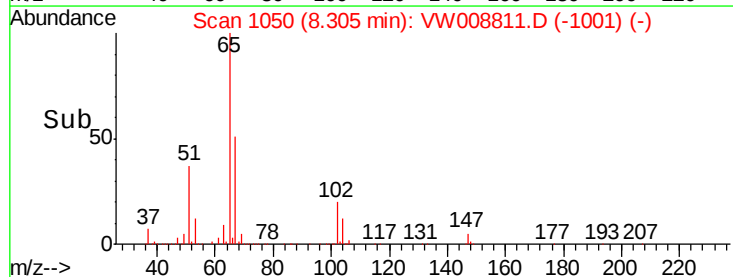
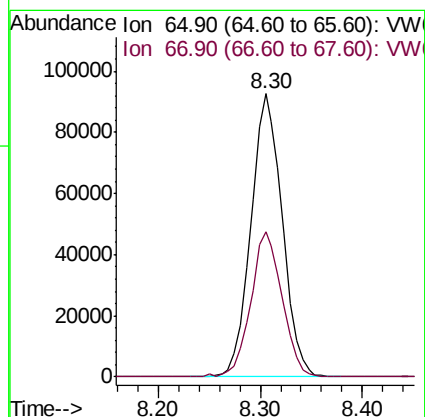
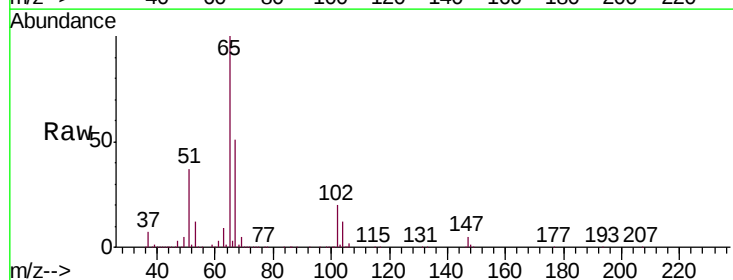
Instrument :
MSVOA_W
ClientSampleId :
OK-03-022219-B

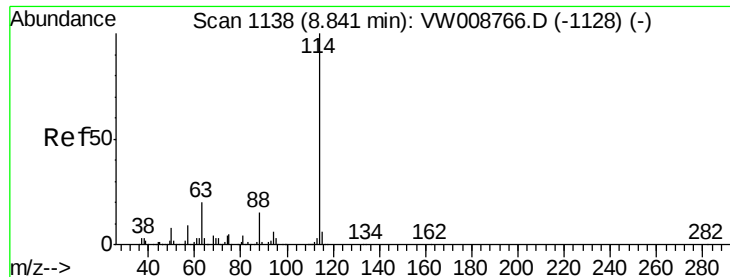
Tgt Ion: 56 Resp: 7122
Ion Ratio Lower Upper
56 100
69 157.6 28.2 42.4#
84 96.9 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 60.078 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008811.D
Acq: 25 Feb 2019 17:11

Tgt Ion: 65 Resp: 197941
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.4

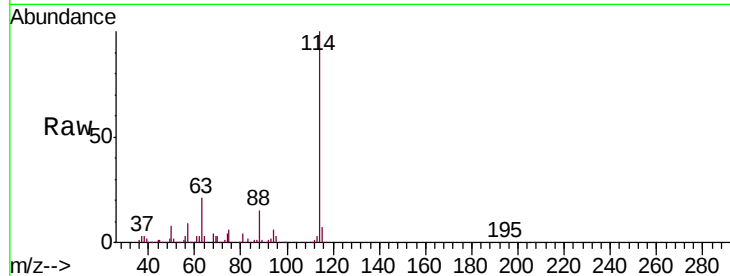




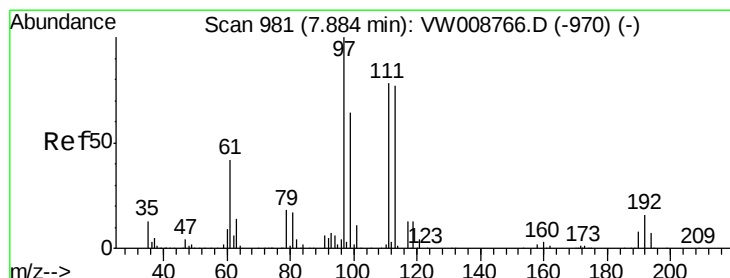
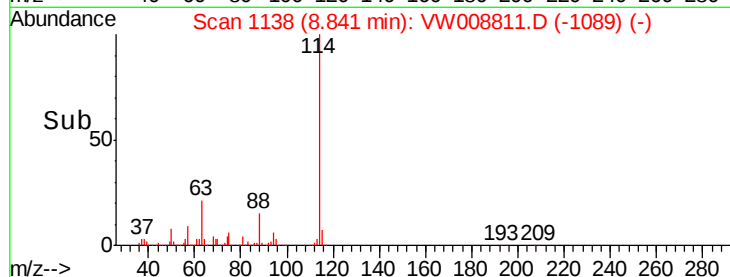
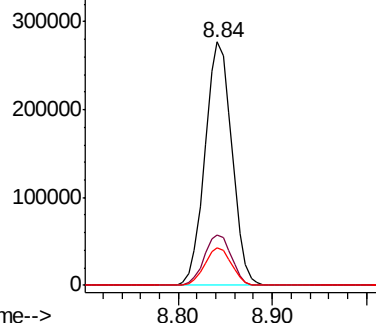
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW008811.D
Acq: 25 Feb 2019 17:11

Instrument :
MSVOA_W
ClientSampleId :
OK-03-022219-B

Tgt Ion:114 Resp: 549614
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 15.4 0.0 30.4

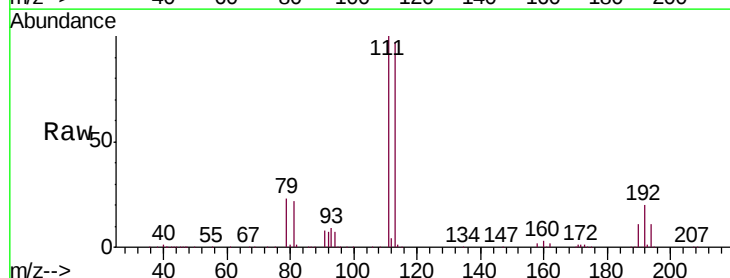


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

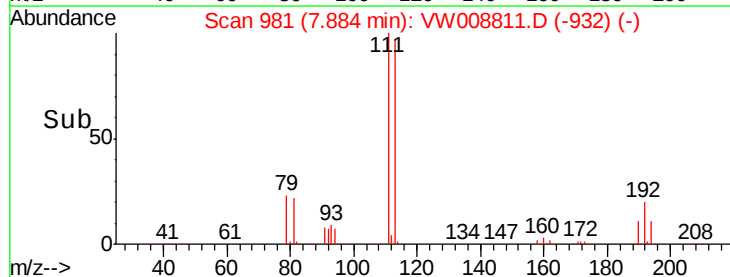
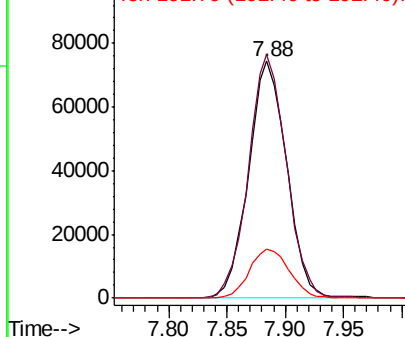


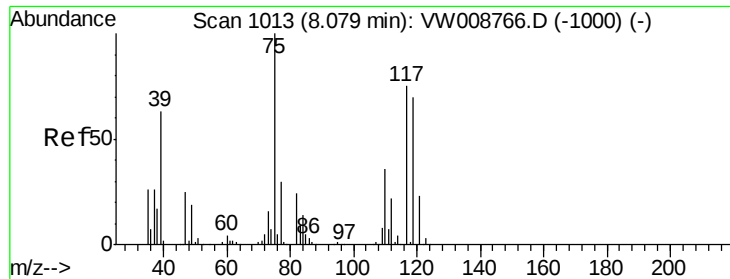
#35
Dibromofluoromethane
Concen: 51.368 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW008811.D
Acq: 25 Feb 2019 17:11

Tgt Ion:113 Resp: 169511
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 21.7 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.022 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

OK-03-022219-B

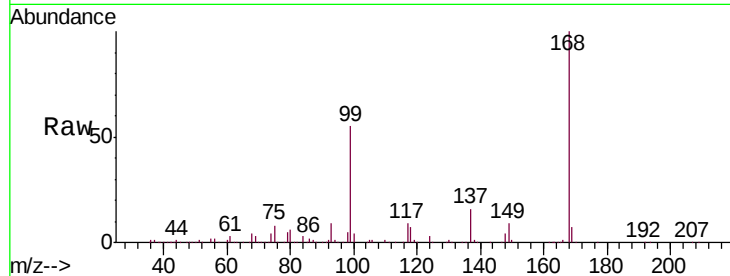
Tgt Ion: 75 Resp: 26867

Ion Ratio Lower Upper

75 100

110 9.4 17.5 52.6#

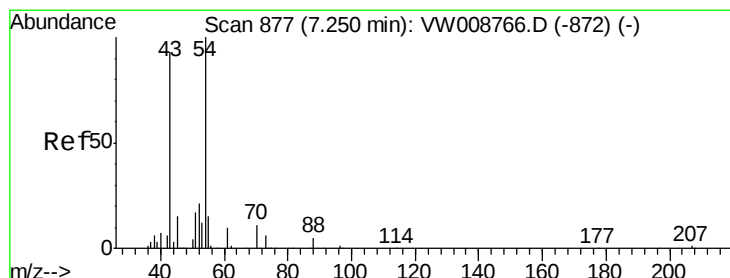
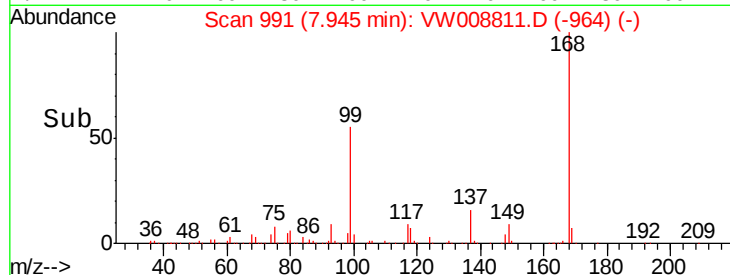
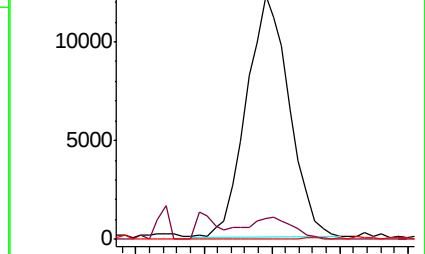
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 7.657 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.10 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

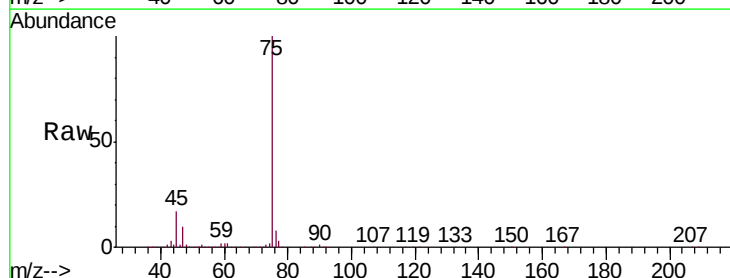
Tgt Ion: 43 Resp: 19050

Ion Ratio Lower Upper

43 100

61 80.2 9.8 14.8#

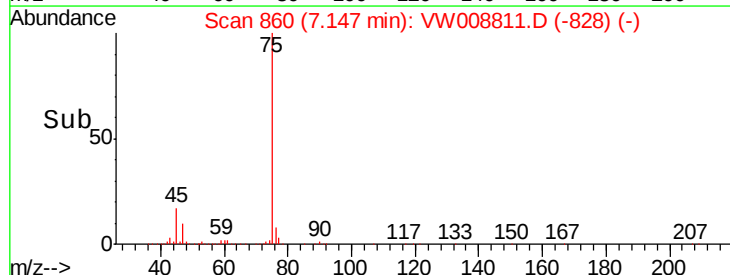
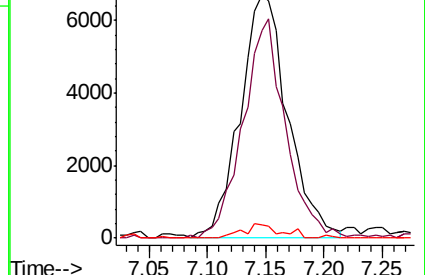
70 4.0 8.4 12.6#

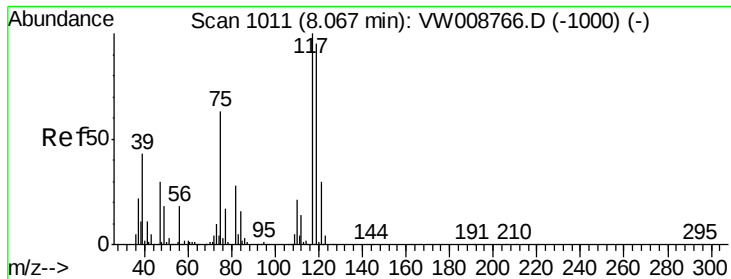


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 5.916 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

Instrument :

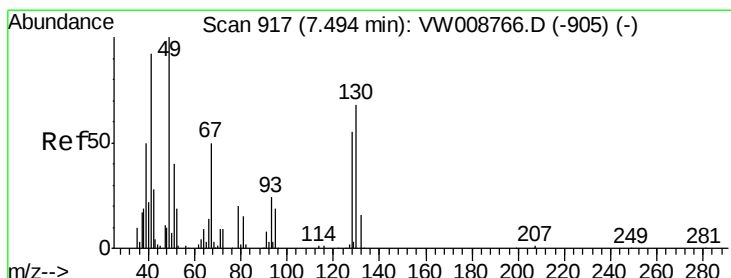
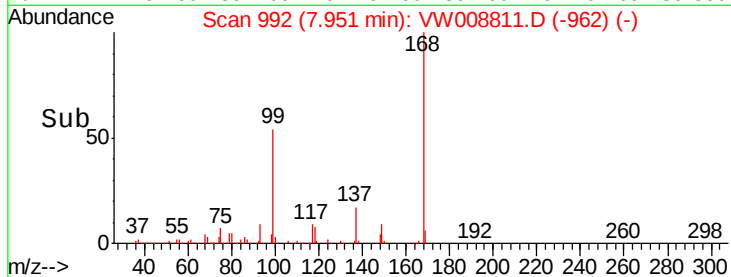
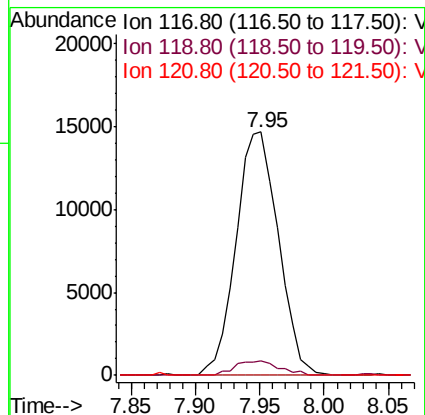
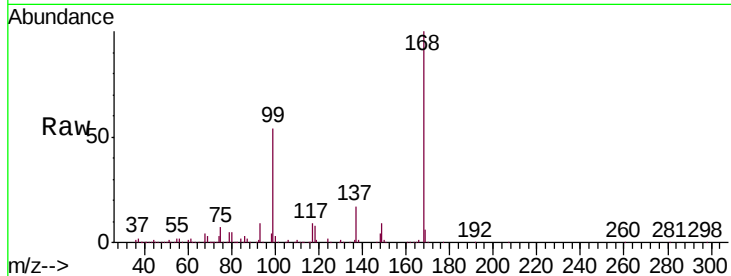
MSVOA_W

ClientSampleId :

OK-03-022219-B

Tgt Ion:117 Resp: 33381

Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.1	114.1#
121	0.0	24.0	36.0#



#41

Methacrylonitrile

Concen: 1.614 ug/l

RT: 7.54 min Scan# 924

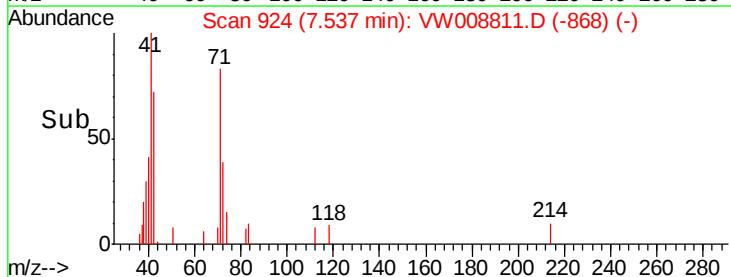
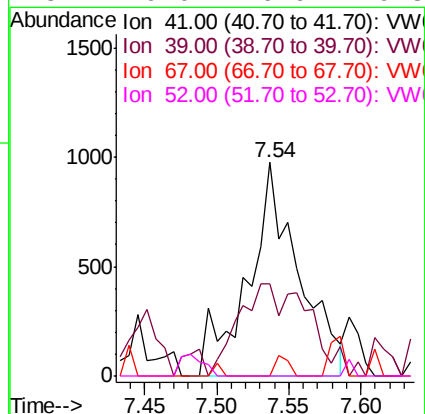
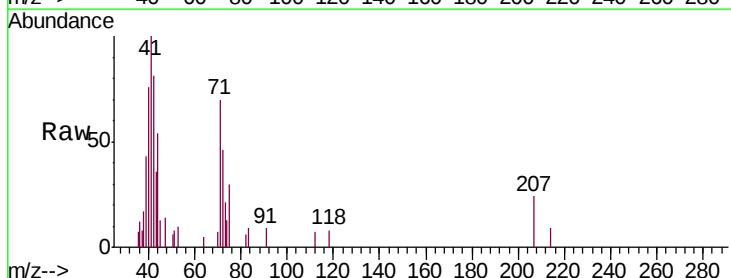
Delta R.T. 0.04 min

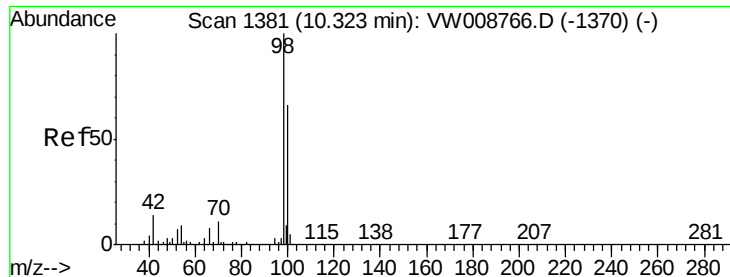
Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

Tgt Ion: 41 Resp: 2360

Ion	Ratio	Lower	Upper
41	100		
39	34.5	52.5	78.7#
67	2.5	55.0	82.6#
52	0.0	26.9	40.3#





#50

Toluene-d8

Concen: 48.079 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

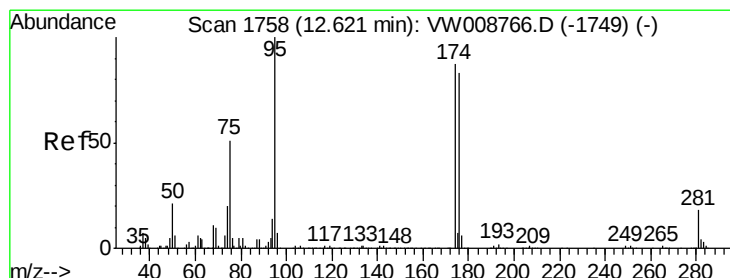
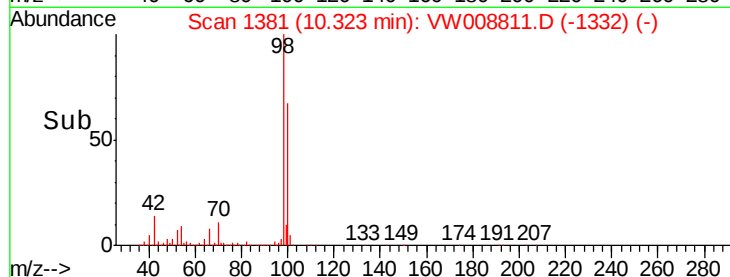
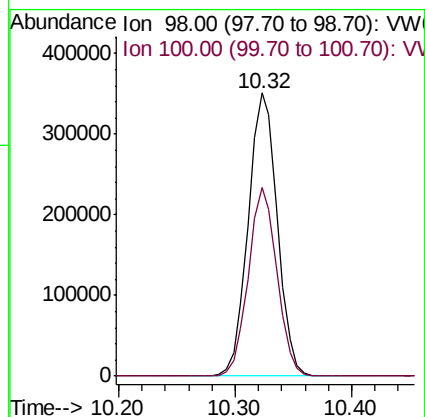
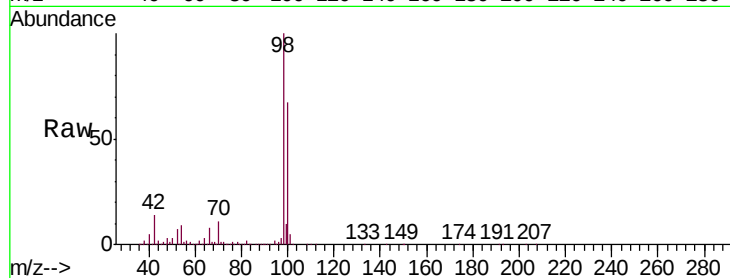
OK-03-022219-B

Tgt Ion: 98 Resp: 612473

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 36.993 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

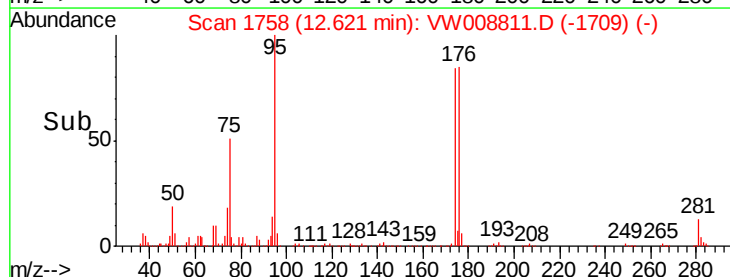
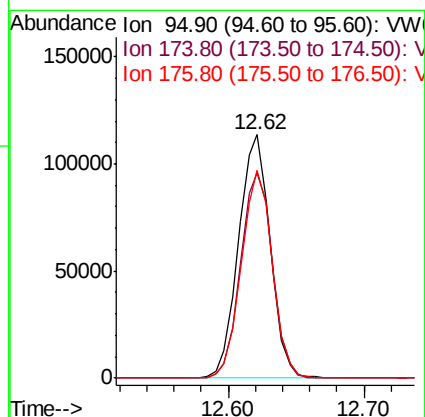
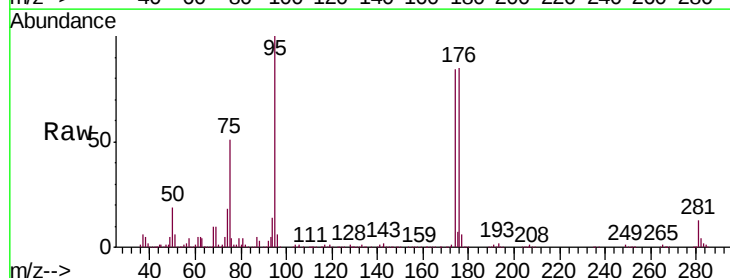
Tgt Ion: 95 Resp: 184512

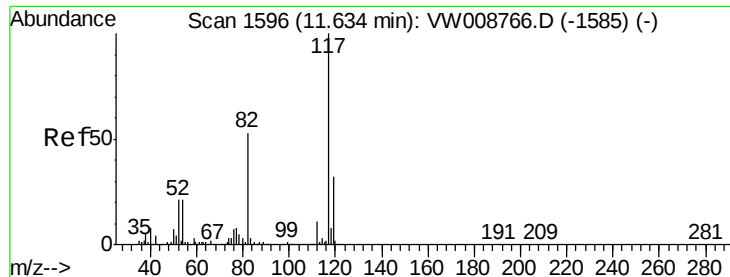
Ion Ratio Lower Upper

95 100

174 84.9 0.0 169.2

176 83.1 0.0 163.6

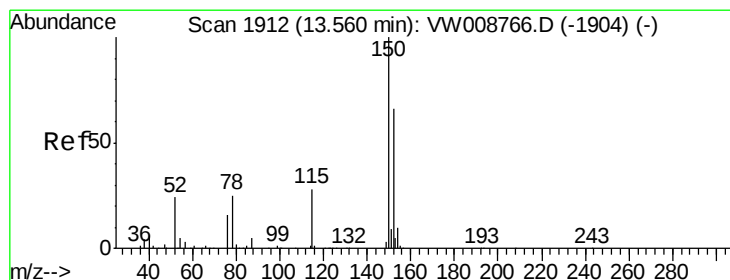
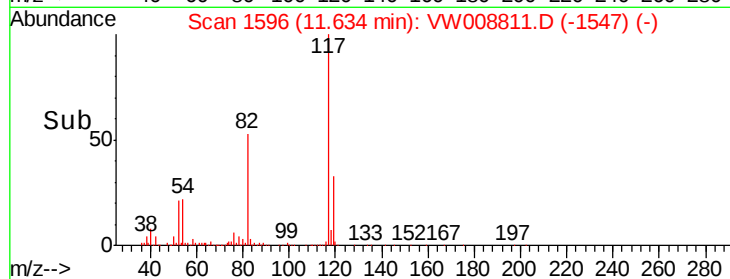
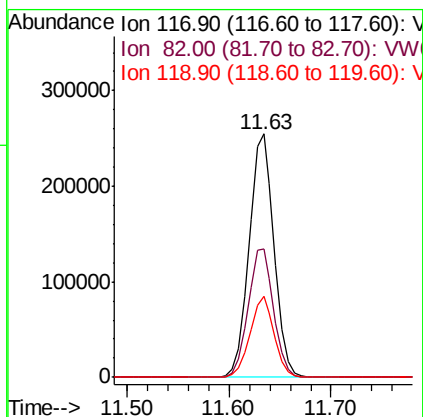
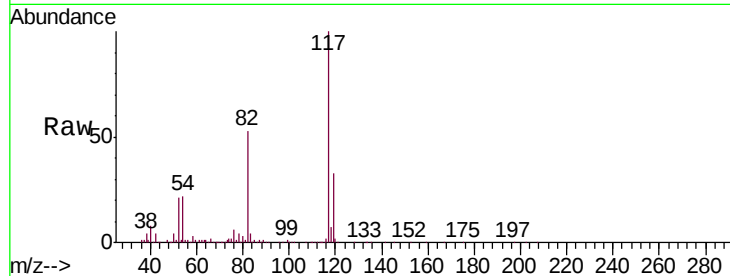




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008811.D
Acq: 25 Feb 2019 17:11

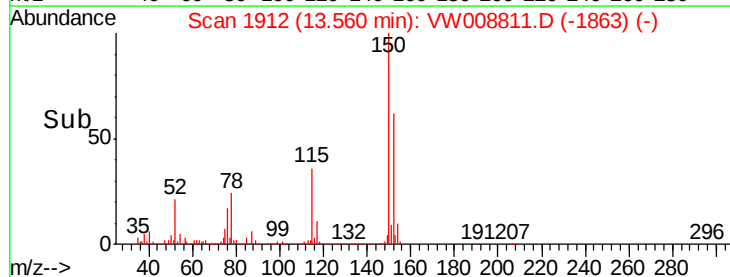
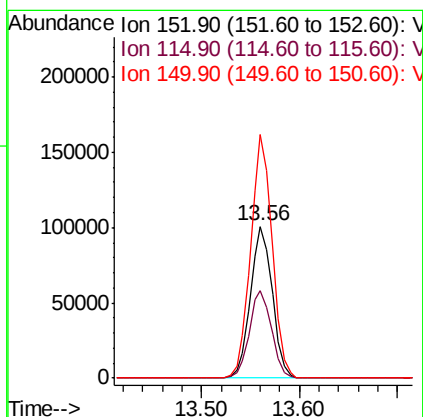
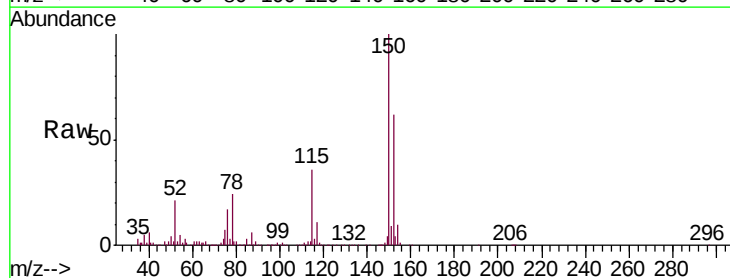
Instrument :
MSVOA_W
ClientSampleId :
OK-03-022219-B

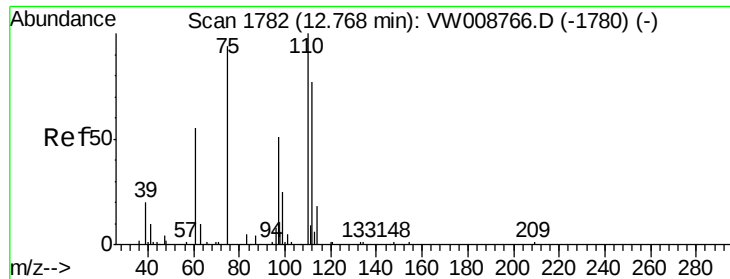
Tgt Ion:117 Resp: 432775
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 33.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008811.D
Acq: 25 Feb 2019 17:11

Tgt Ion:152 Resp: 156239
Ion Ratio Lower Upper
152 100
115 58.1 28.6 85.8
150 157.4 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 75.415 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

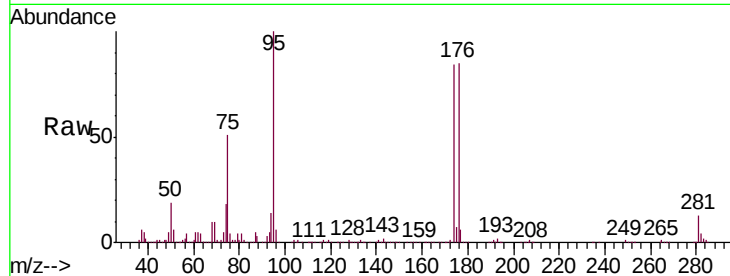
OK-03-022219-B

Tgt Ion: 75 Resp: 97282

Ion Ratio Lower Upper

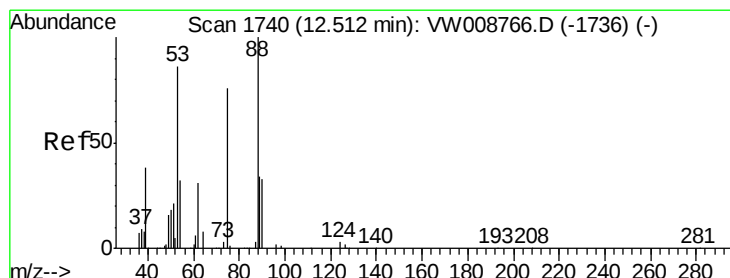
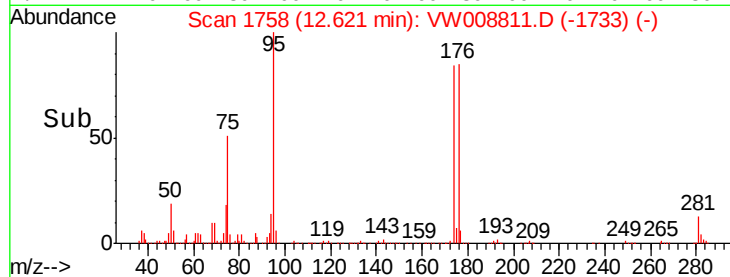
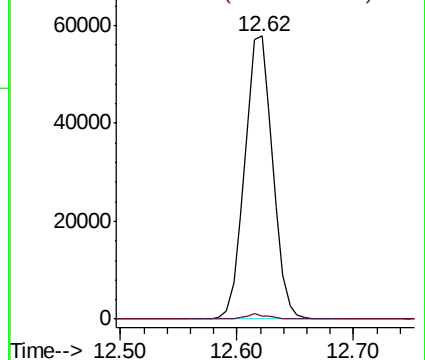
75 100

77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 183.339 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008811.D

Acq: 25 Feb 2019 17:11

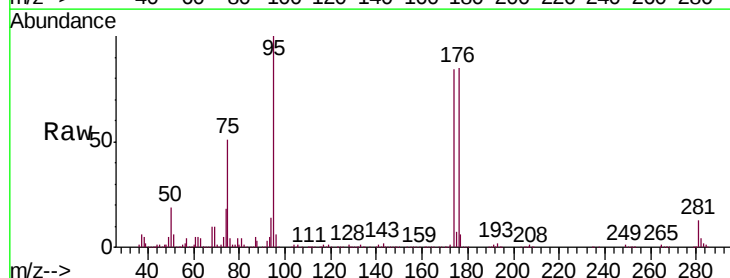
Tgt Ion: 75 Resp: 97282

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.1 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

