

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013075.D
 Acq On : 17 Sep 2019 07:32
 Operator : SY/VA
 Sample : K4877-04
 Misc : 4.76G/5ML/MSVOA_W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-2-2-2

Quant Time: Sep 17 08:48:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	343565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	509233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	349315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	171636	54.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.18%	
35) Dibromofluoromethane	7.88	113	153325	55.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.98%	
50) Toluene-d8	10.32	98	589381	54.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.02%	
62) 4-Bromofluorobenzene	12.62	95	122984	31.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	63.26%	

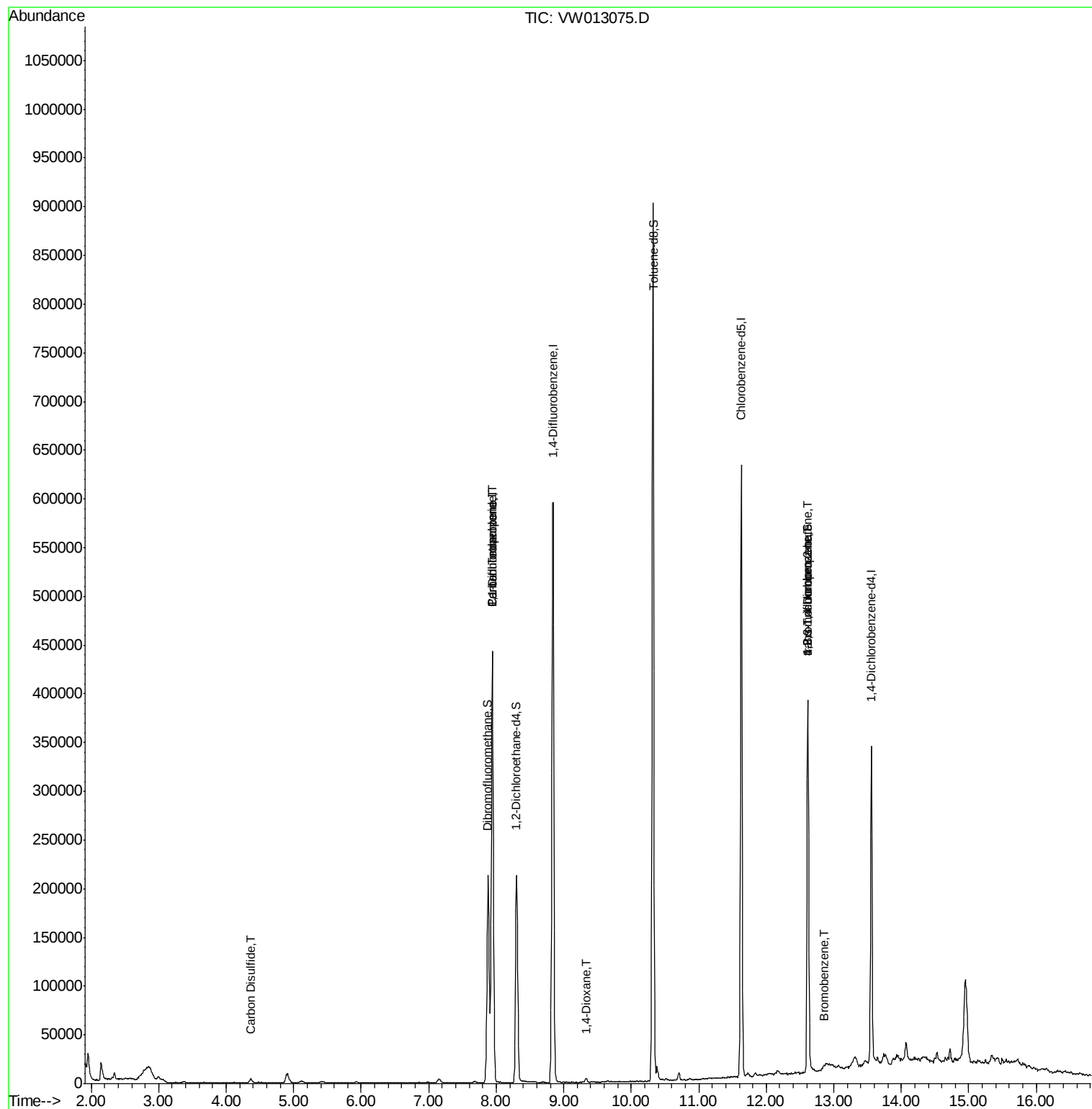
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	420	Below Cal	#	41
11) Tert butyl alcohol	5.11	59	1794	Below Cal	#	72
13) Acrolein	3.90	56	32	Below Cal	#	15
16) Acetone	4.14	43	775	Below Cal	#	71
17) Carbon Disulfide	4.37	76	9109	1.927	ug/l	97
20) Methylene Chloride	4.90	84	6563	Below Cal		89
26) 2,2-Dichloropropane	7.14	77	138	Below Cal	#	55
31) Cyclohexane	7.95	56	7186	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	25126	6.175	ug/l #	51
38) Carbon Tetrachloride	7.94	117	32255	7.735	ug/l #	14
49) 1,4-Dioxane	9.34	88	43	1.775	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	62807	83.785	ug/l #	100
77) Bromobenzene	12.85	156	2100	1.607	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	62807	190.064	ug/l #	7

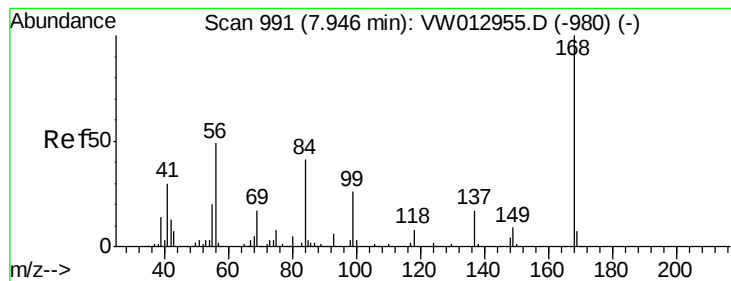
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013075.D

Acq: 17 Sep 2019 07:32

Instrument :

MSVOA_W

ClientSampleId :

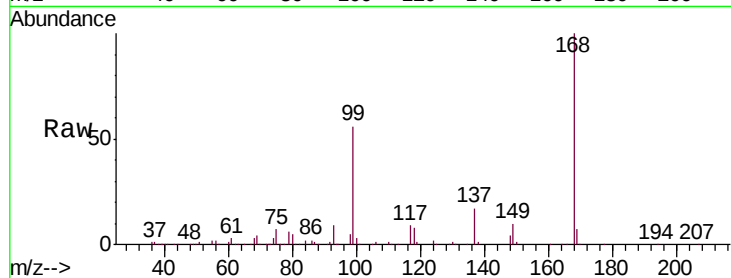
CSA-2-2-2

Tgt Ion:168 Resp: 343565

Ion Ratio Lower Upper

168 100

99 55.8 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

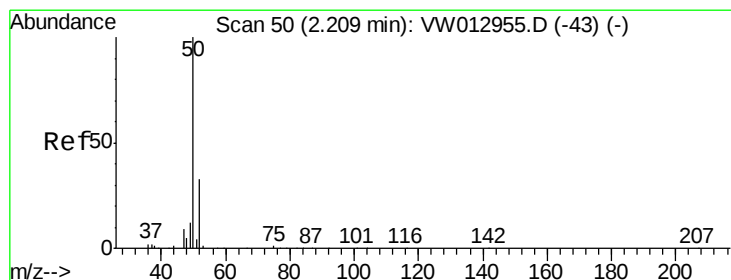
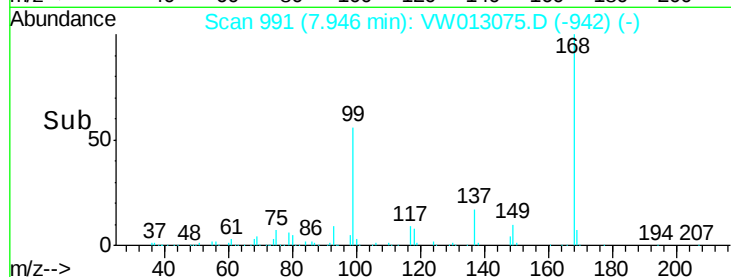
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013075.D

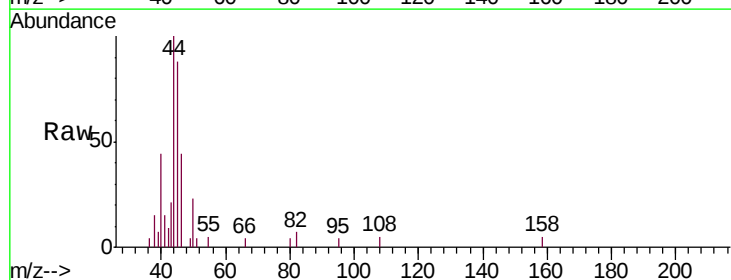
Acq: 17 Sep 2019 07:32

Tgt Ion: 50 Resp: 420

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.20

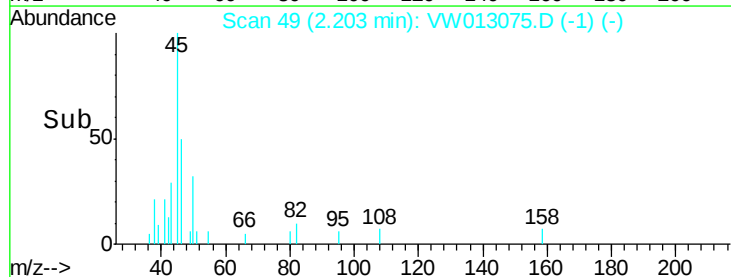
300

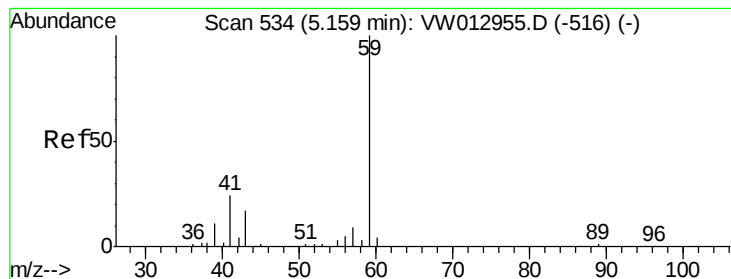
200

100

0

Time--> 2.15 2.20 2.25



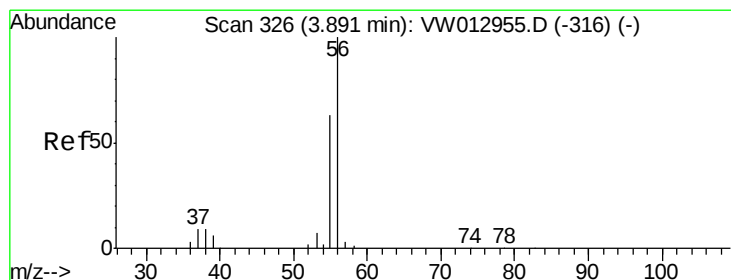
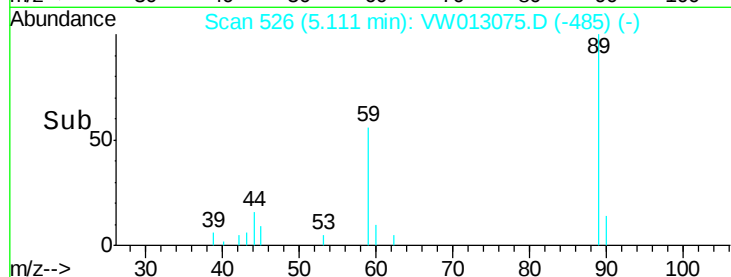
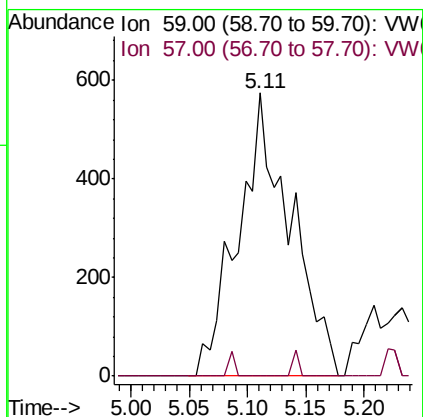
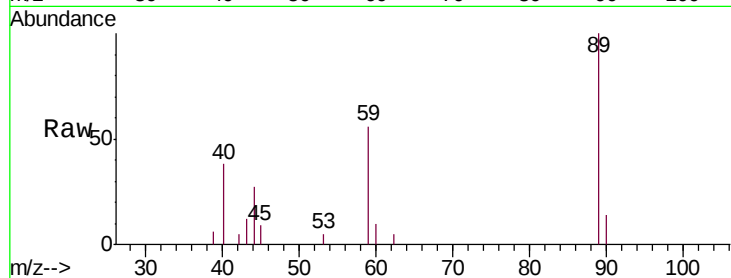


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.11 min Scan# 526
 Delta R.T. -0.05 min
 Lab File: VW013075.D
 Acq: 17 Sep 2019 07:32

Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-2-2-2

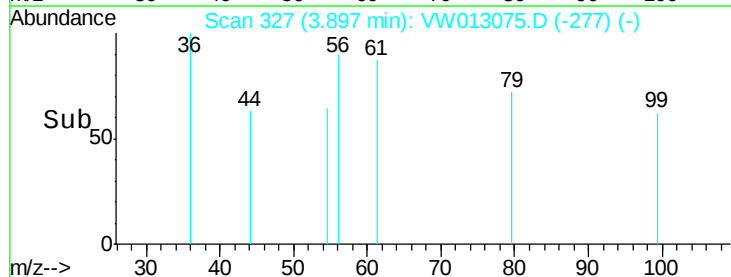
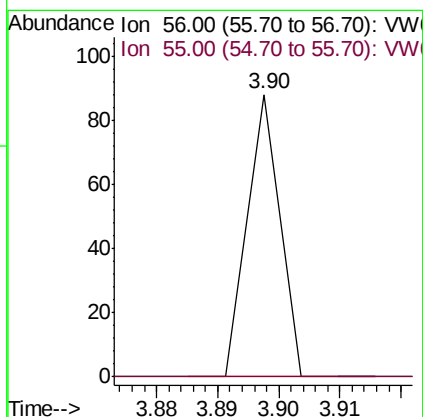
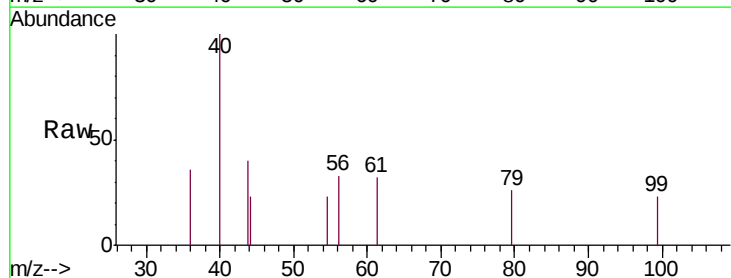
Tgt Ion: 59 Resp: 1794
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

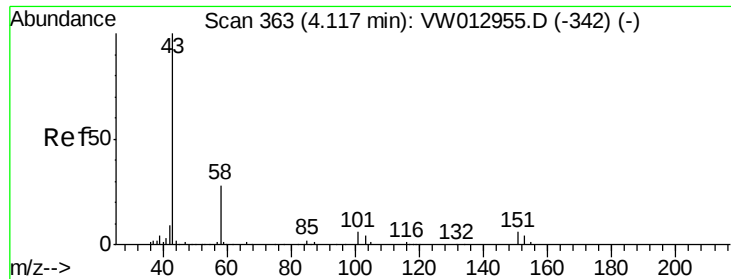


#13

Acrolein
 Concen: Below Cal
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW013075.D
 Acq: 17 Sep 2019 07:32

Tgt Ion: 56 Resp: 32
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#

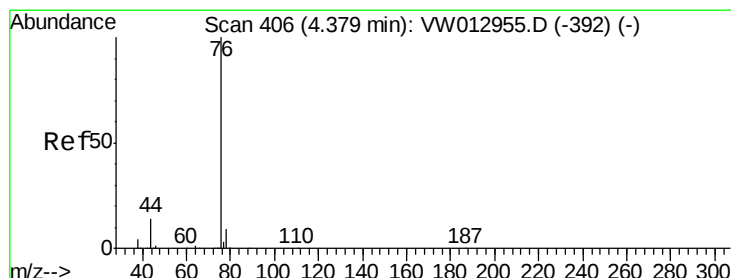
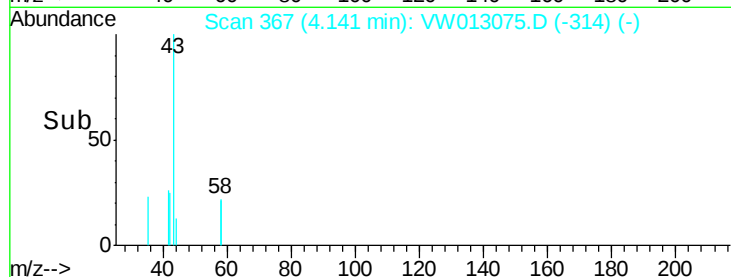
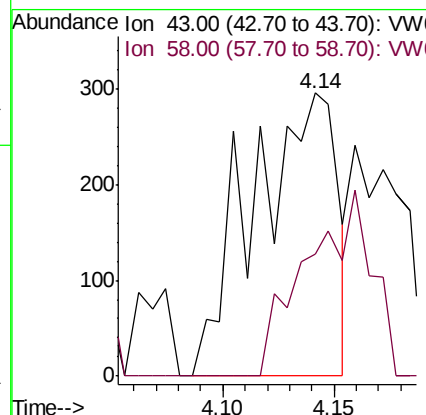
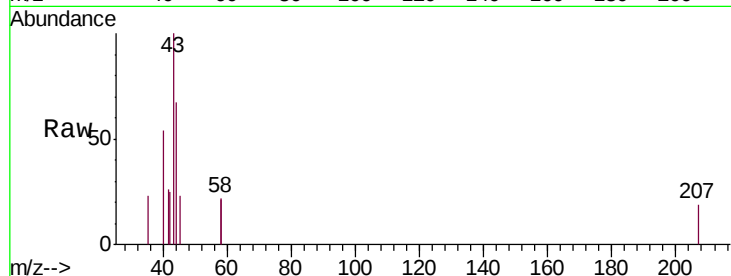




#16
Acetone
Concen: Below Cal
RT: 4.14 min Scan# 367
Delta R.T. 0.03 min
Lab File: VW013075.D
Acq: 17 Sep 2019 07:32

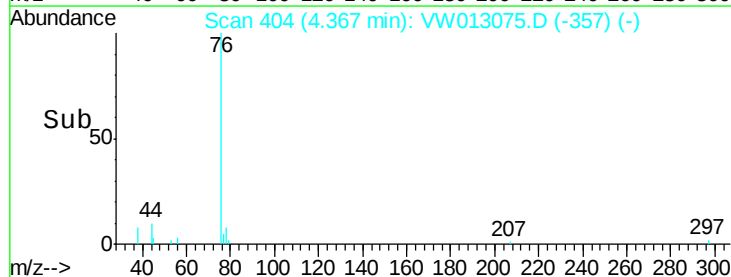
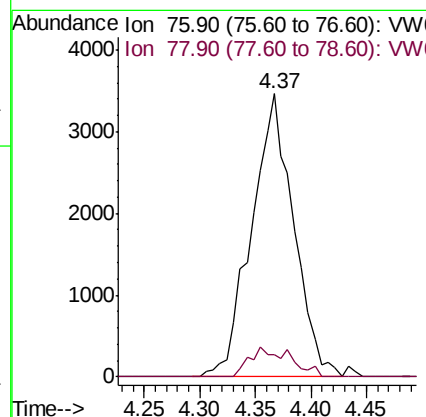
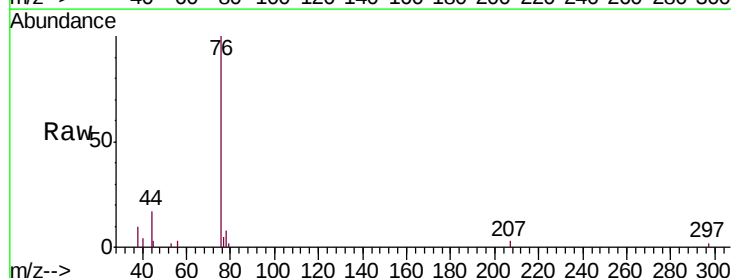
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-2

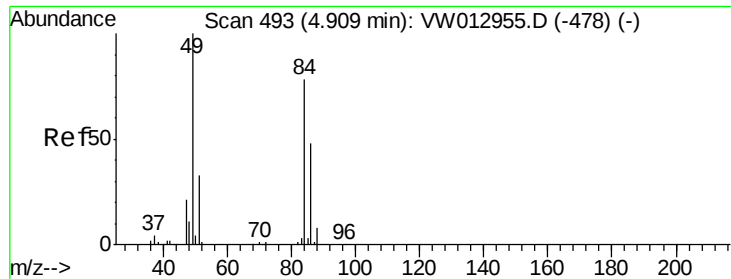
Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
58 42.9 22.3 33.5#



#17
Carbon Disulfide
Concen: 1.927 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW013075.D
Acq: 17 Sep 2019 07:32

Tgt Ion: 76 Resp: 9109
Ion Ratio Lower Upper
76 100
78 7.8 7.0 10.4

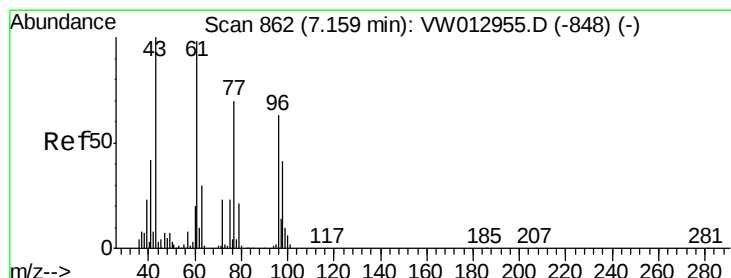
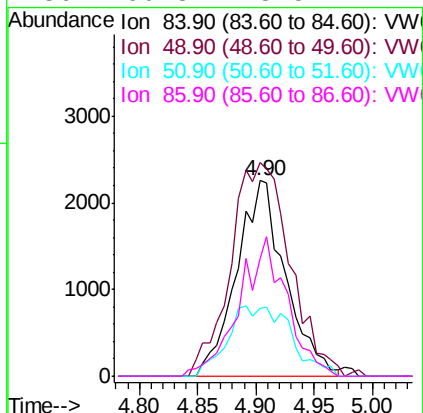
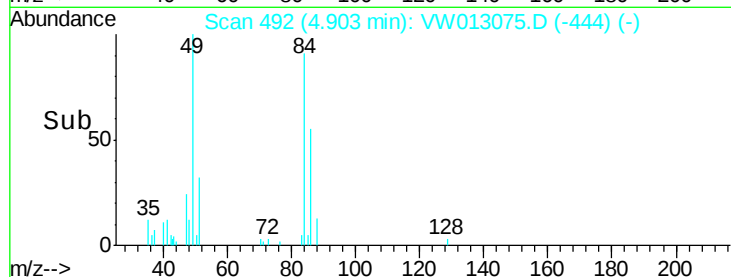
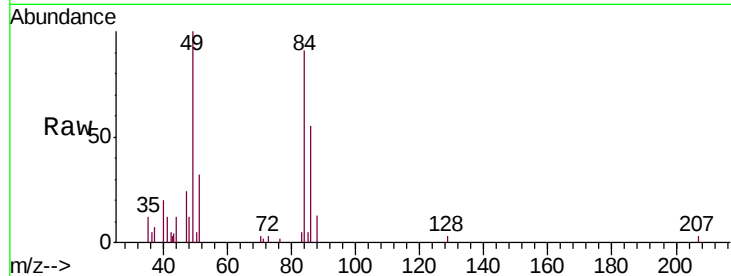




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013075.D
Acq: 17 Sep 2019 07:32

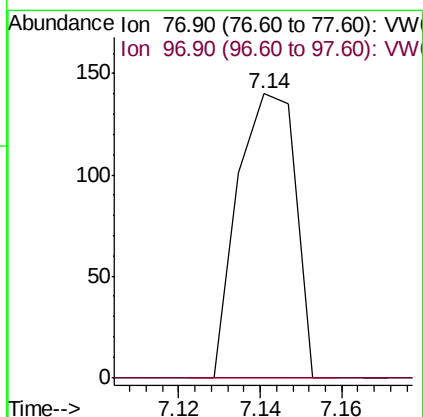
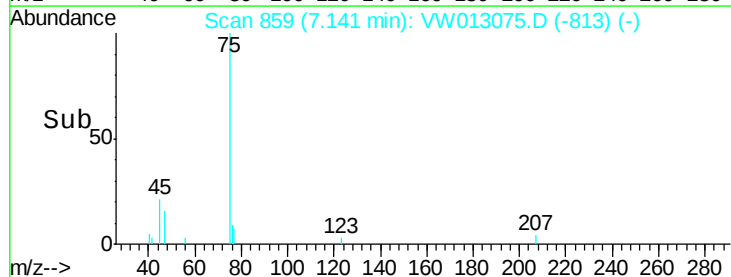
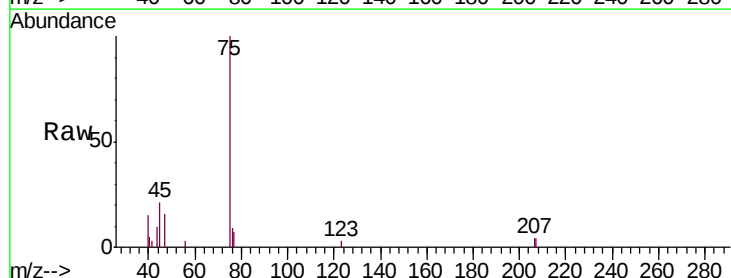
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-2

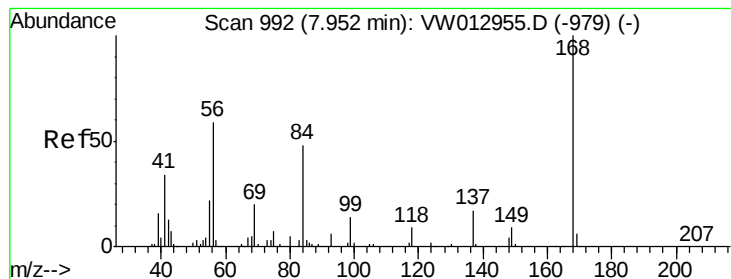
Tgt Ion: 84 Resp: 6563
Ion Ratio Lower Upper
84 100
49 109.4 102.0 153.0
51 34.6 34.0 51.0
86 60.3 48.5 72.7



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013075.D
Acq: 17 Sep 2019 07:32

Tgt Ion: 77 Resp: 138
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013075.D

Acq: 17 Sep 2019 07:32

Instrument :

MSVOA_W

ClientSampled :

CSA-2-2-2

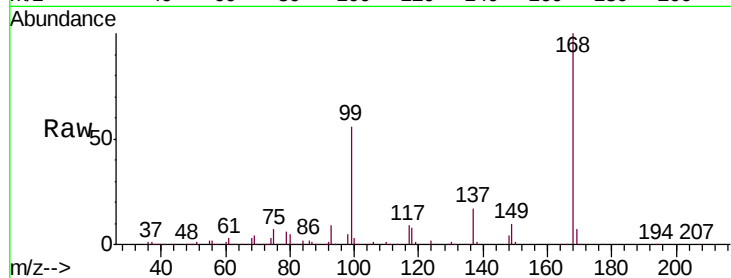
Tgt Ion: 56 Resp: 7186

Ion Ratio Lower Upper

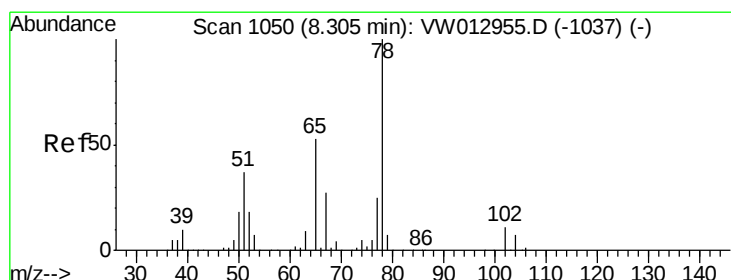
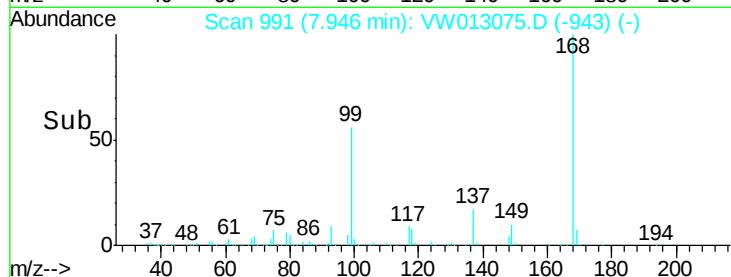
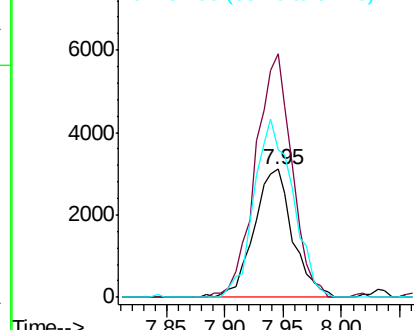
56 100

69 190.2 27.0 40.6#

84 115.3 66.2 99.2#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 54.092 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013075.D

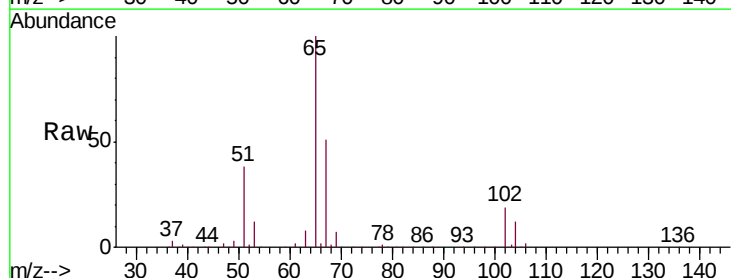
Acq: 17 Sep 2019 07:32

Tgt Ion: 65 Resp: 171636

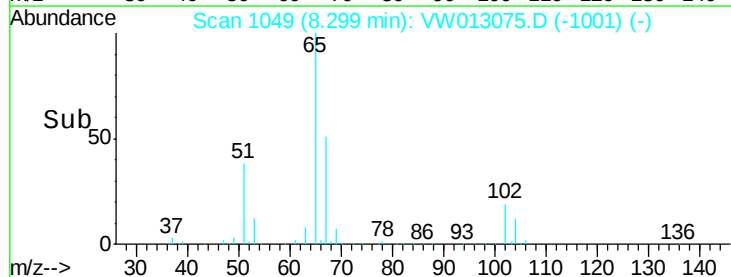
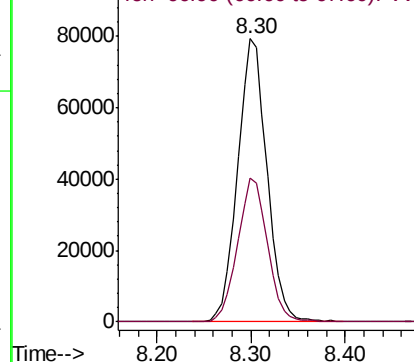
Ion Ratio Lower Upper

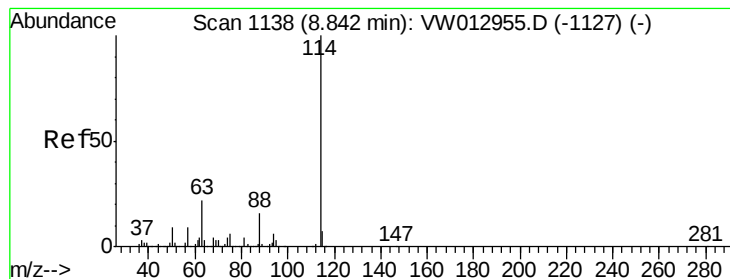
65 100

67 51.8 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013075.D

Acq: 17 Sep 2019 07:32

Instrument :

MSVOA_W

ClientSampleId :

CSA-2-2-2

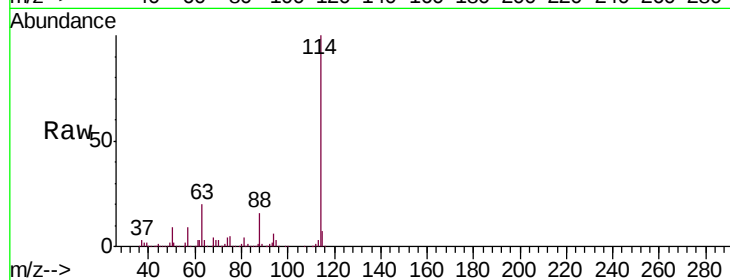
Tgt Ion:114 Resp: 509233

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.4

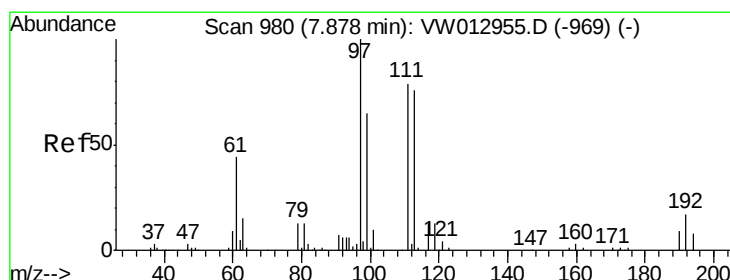
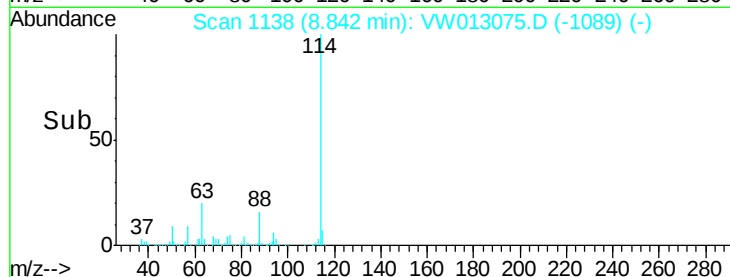
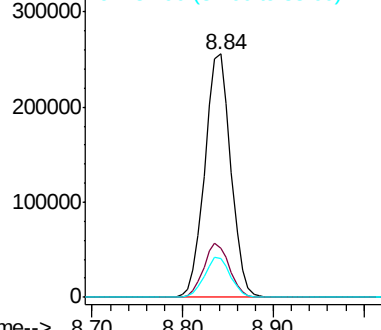
88 15.9 0.0 31.6



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: 55.489 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW013075.D

Acq: 17 Sep 2019 07:32

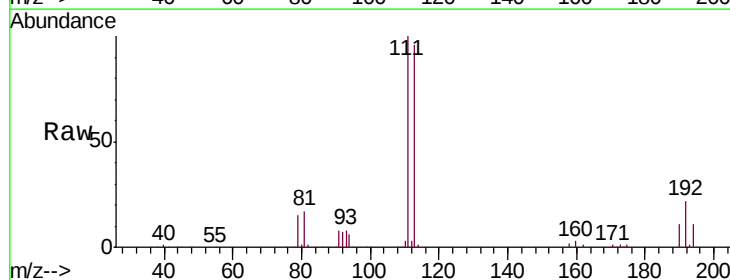
Tgt Ion:113 Resp: 153325

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

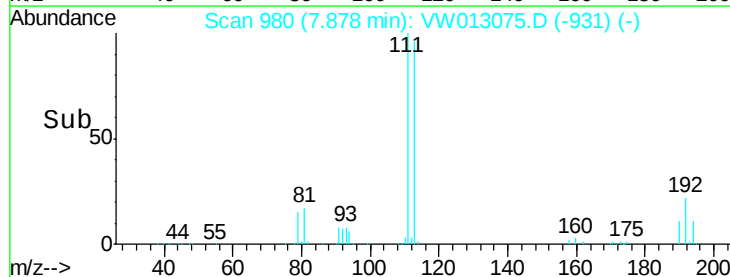
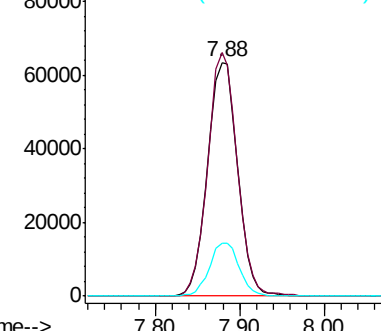
192 22.5 17.8 26.8

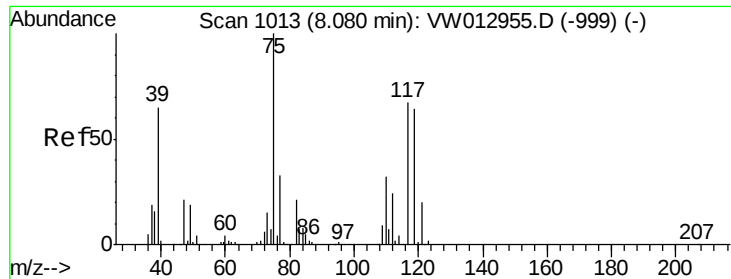


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.175 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013075.D

Acq: 17 Sep 2019 07:32

Instrument :

MSVOA_W

ClientSampleId :

CSA-2-2-2

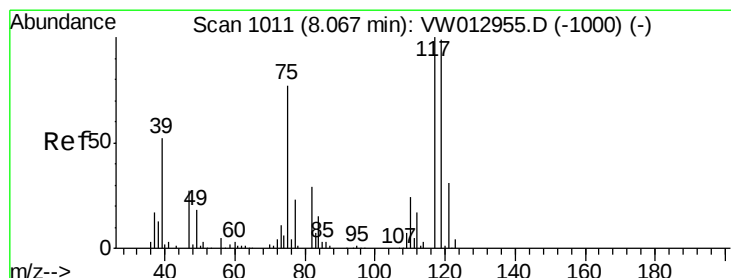
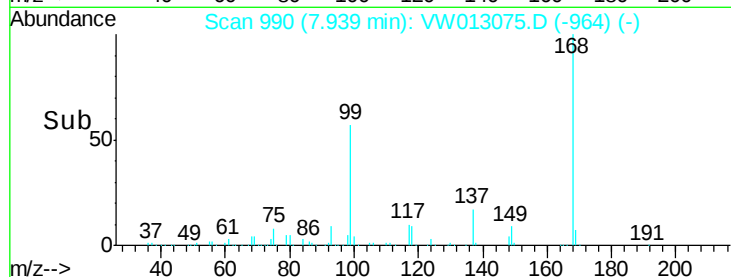
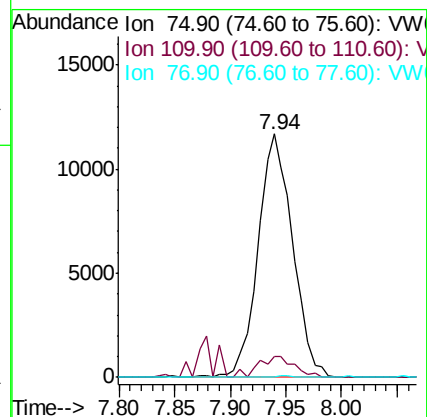
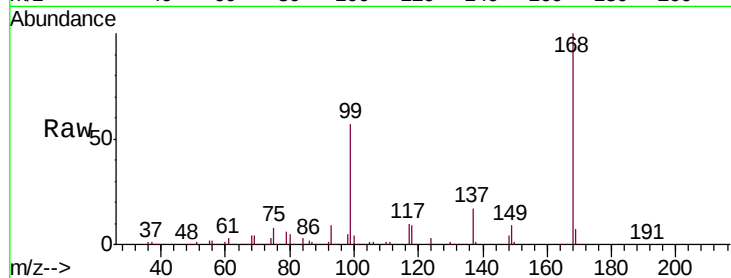
Tgt Ion: 75 Resp: 25126

Ion Ratio Lower Upper

75 100

110 9.1 16.4 49.1#

77 0.2 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.735 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013075.D

Acq: 17 Sep 2019 07:32

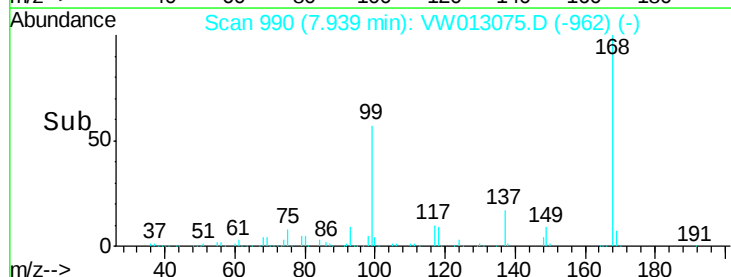
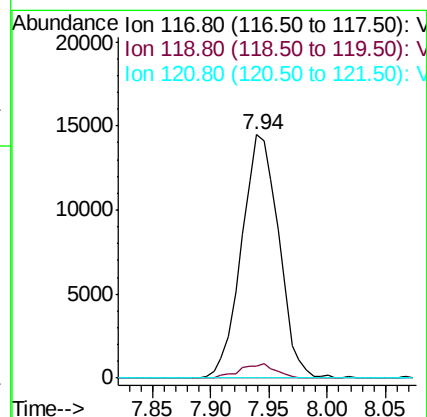
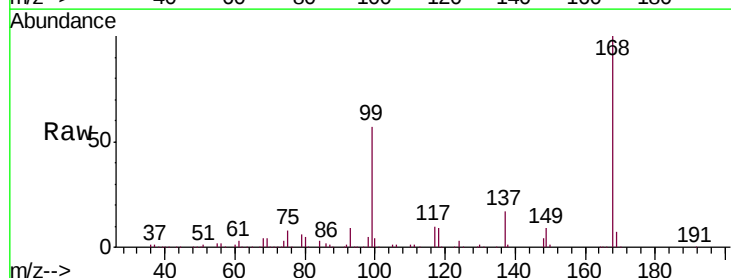
Tgt Ion: 117 Resp: 32255

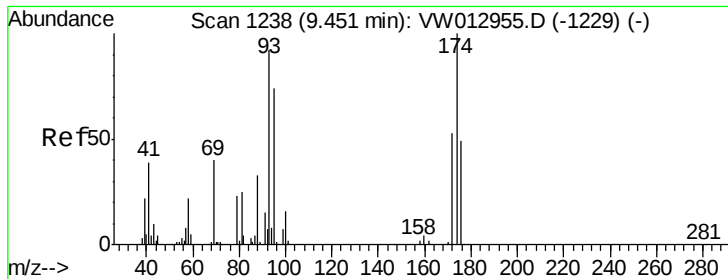
Ion Ratio Lower Upper

117 100

119 5.0 79.4 119.0#

121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 1.775 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.12 min

Lab File: VW013075.D

Acq: 17 Sep 2019 07:32

Instrument :

MSVOA_W

ClientSampled :

CSA-2-2-2

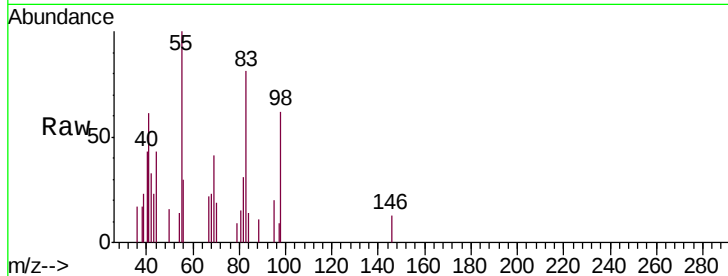
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 648.8 31.3 46.9#

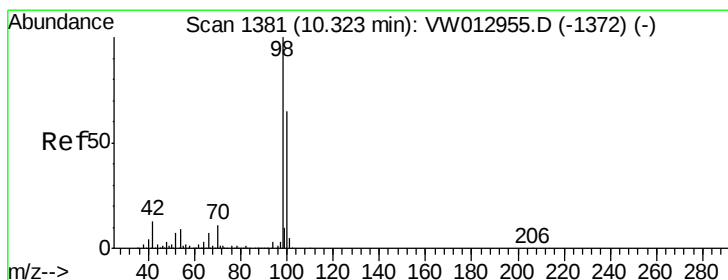
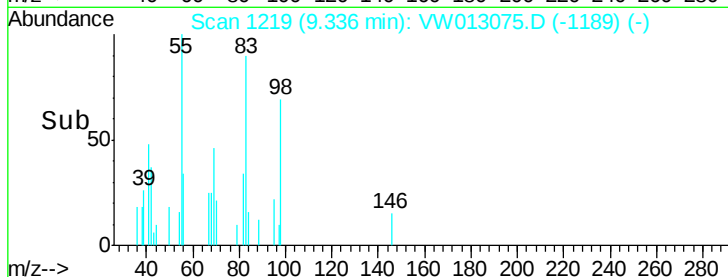
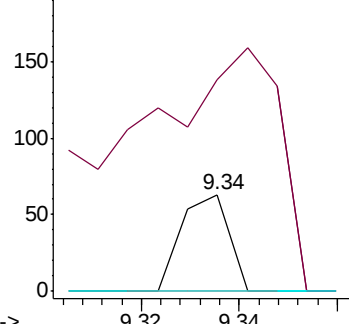
58 0.0 60.2 90.2#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 54.509 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013075.D

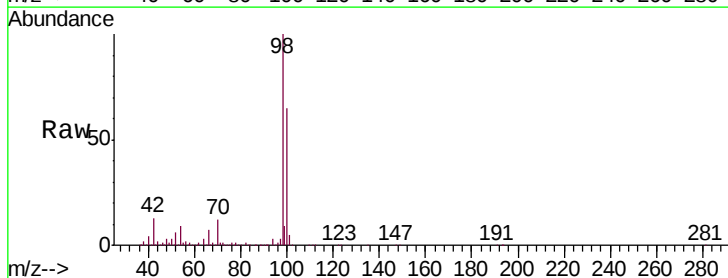
Acq: 17 Sep 2019 07:32

Tgt Ion: 98 Resp: 589381

Ion Ratio Lower Upper

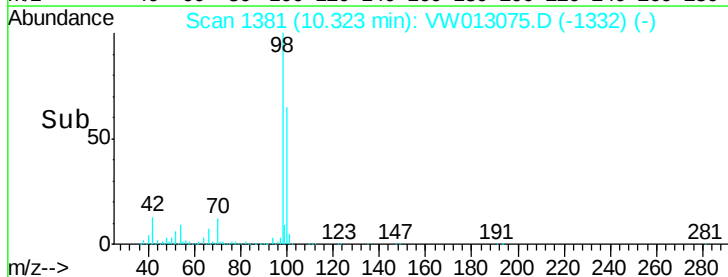
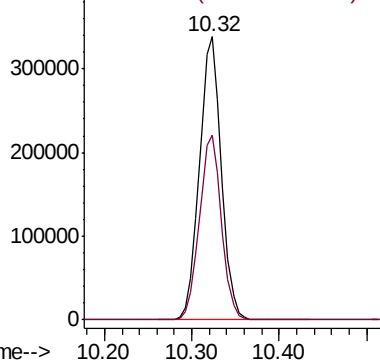
98 100

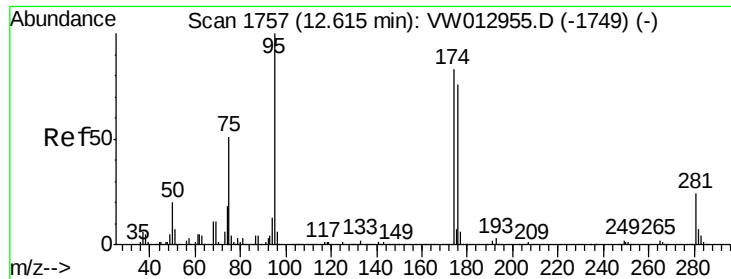
100 65.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

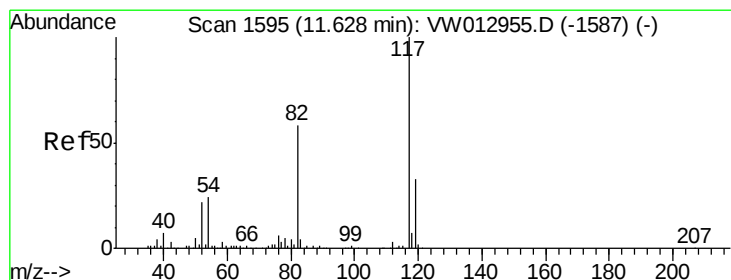
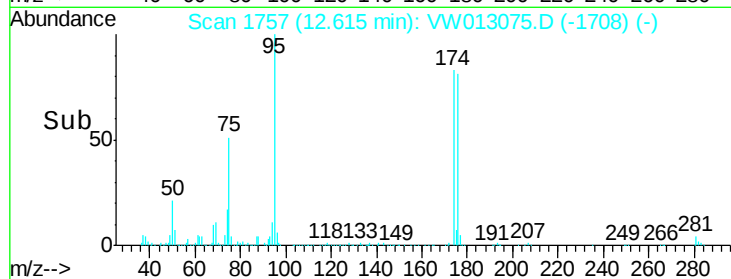
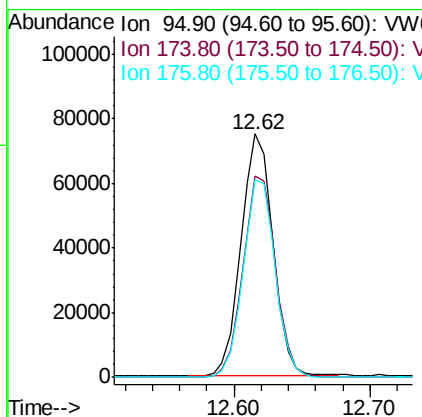
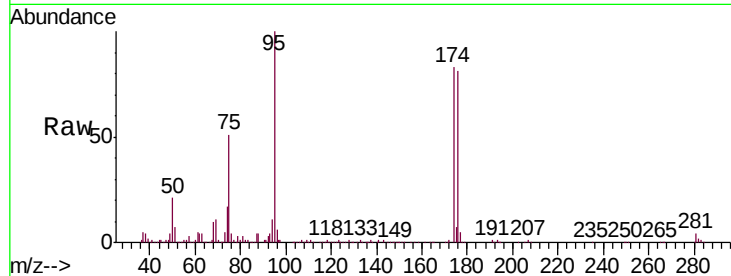




#62
4-Bromofluorobenzene
Concen: 31.632 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013075.D
Acq: 17 Sep 2019 07:32

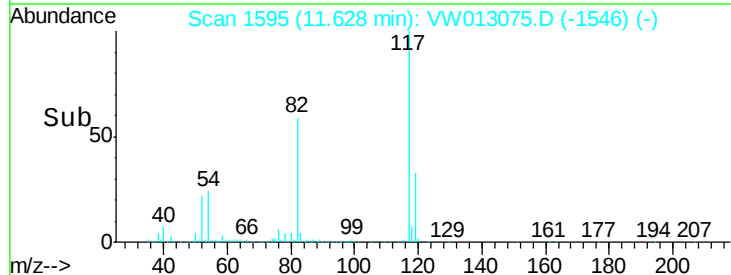
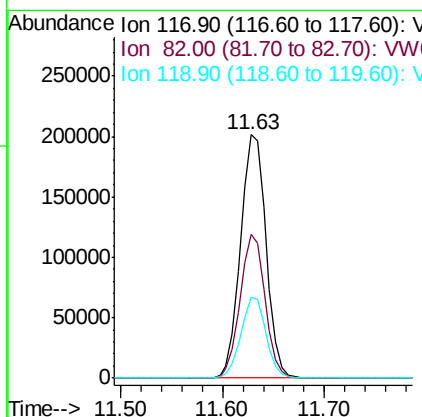
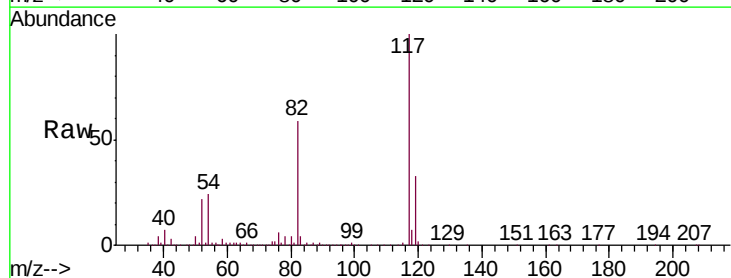
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-2

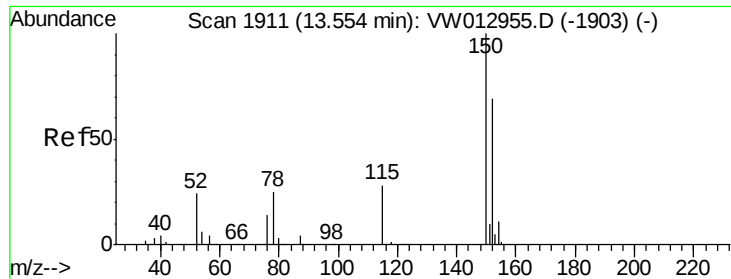
Tgt Ion: 95 Resp: 122984
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.4
176 82.1 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013075.D
Acq: 17 Sep 2019 07:32

Tgt Ion: 117 Resp: 349315
Ion Ratio Lower Upper
117 100
82 59.0 46.3 69.5
119 33.1 26.2 39.4



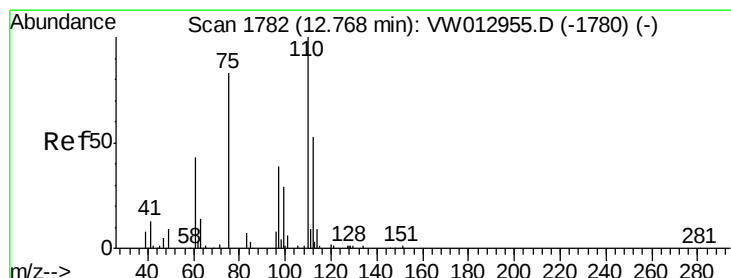
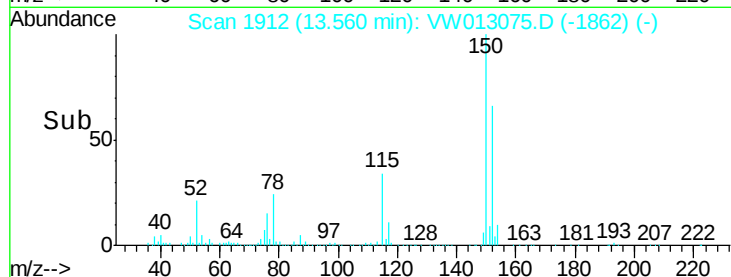
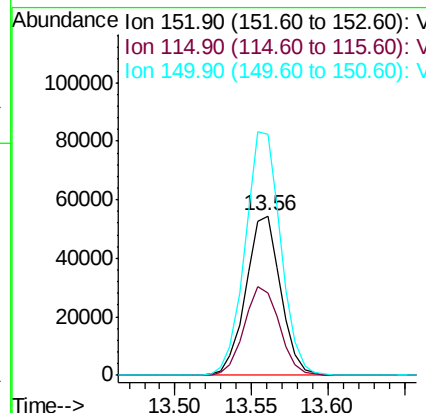
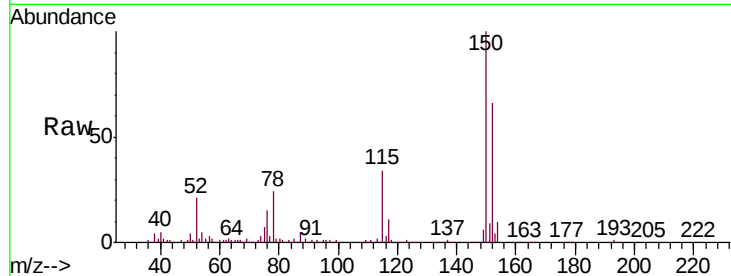


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013075.D
Acq: 17 Sep 2019 07:32

Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-2

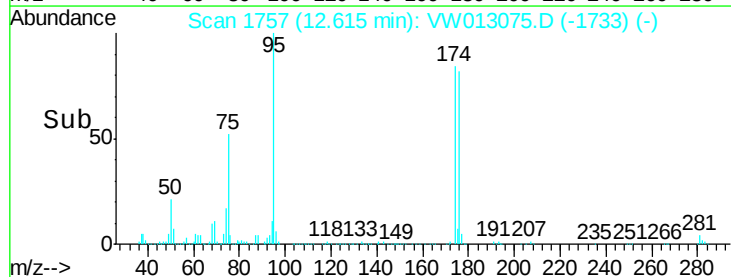
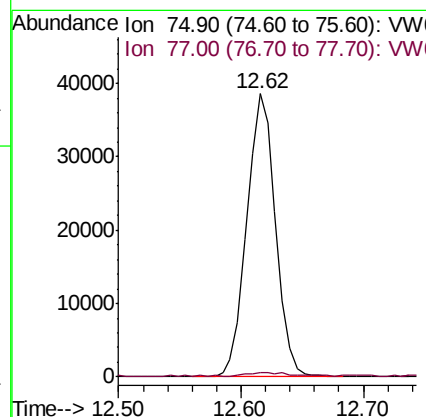
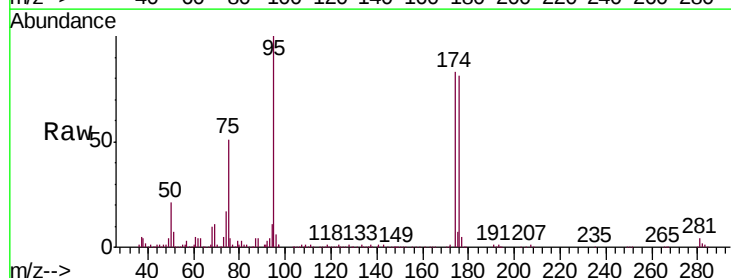
Tgt Ion:152 Resp: 85581
Ion Ratio Lower Upper
152 100
115 56.5 28.8 86.4
150 157.0 0.0 340.2

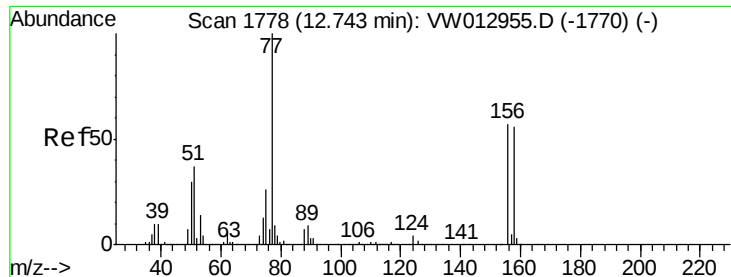


#76

1,2,3-Trichloropropane
Concen: 83.785 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013075.D
Acq: 17 Sep 2019 07:32

Tgt Ion: 75 Resp: 62807
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#





#77

Bromobenzene

Concen: 1.607 ug/l

RT: 12.85 min Scan# 1795

Delta R.T. 0.10 min

Lab File: VW013075.D

Acq: 17 Sep 2019 07:32

Instrument :

MSVOA_W

ClientSampled :

CSA-2-2-2

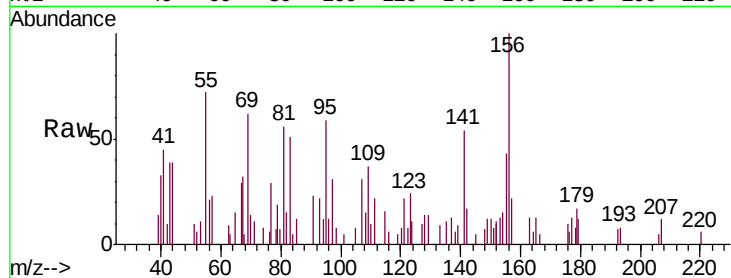
Tgt Ion:156 Resp: 2100

Ion Ratio Lower Upper

156 100

77 22.8 95.2 285.6#

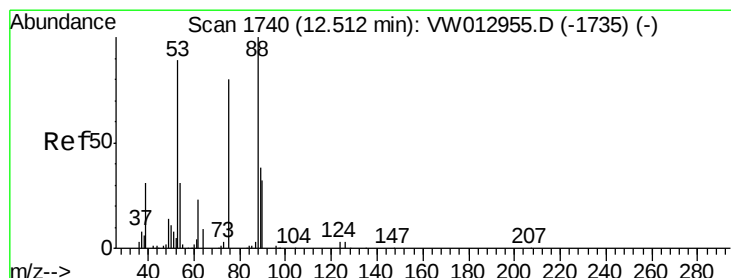
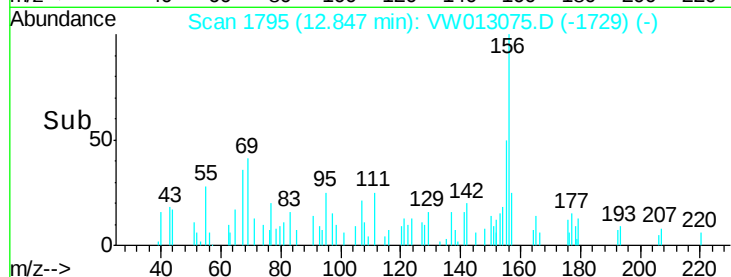
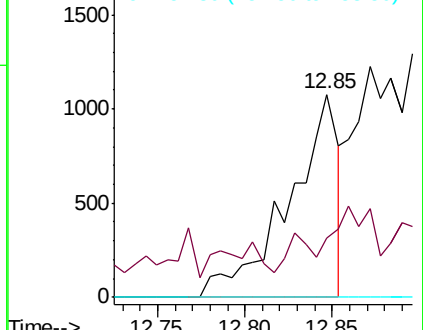
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 190.064 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013075.D

Acq: 17 Sep 2019 07:32

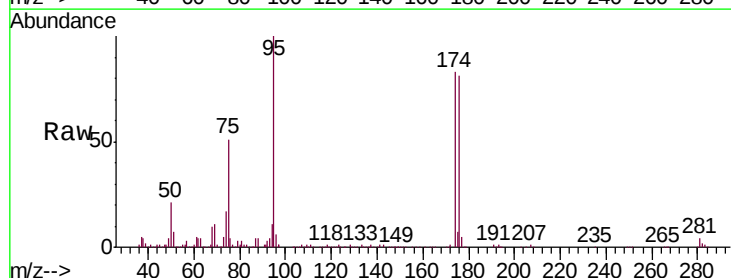
Tgt Ion: 75 Resp: 62807

Ion Ratio Lower Upper

75 100

53 0.6 85.6 128.4#

89 0.0 37.2 55.8#



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

