

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013089.D
 Acq On : 17 Sep 2019 14:47
 Operator : SY/VA
 Sample : K4861-02
 Misc : 3.92G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:33:12 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	312439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	178163	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	161073	55.82	ug/l	0.00
Spiked Amount			Recovery	=	111.64%	
35) Dibromofluoromethane	7.88	113	135086	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.32	98	582251	57.08	ug/l	0.00
Spiked Amount			Recovery	=	114.16%	
62) 4-Bromofluorobenzene	12.62	95	185927	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	

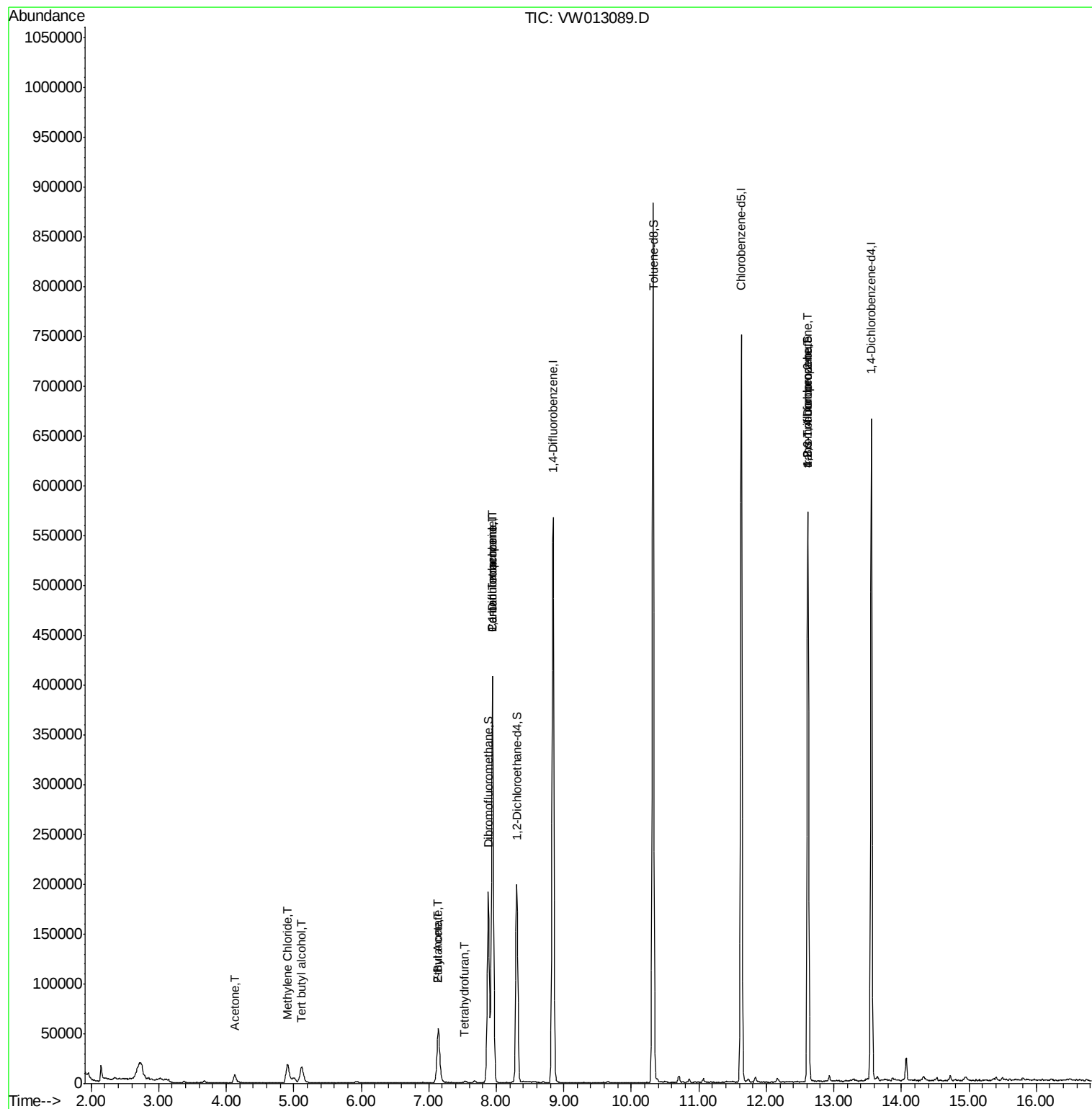
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	63	Below Cal	#	44
3) Chloromethane	2.20	50	156	Below Cal	#	32
11) Tert butyl alcohol	5.12	59	16211	67.595	ug/l #	73
13) Acrolein	3.90	56	24	Below Cal	#	15
16) Acetone	4.12	43	15978	6.476	ug/l	95
20) Methylene Chloride	4.90	84	14735	1.266	ug/l	92
25) 2-Butanone	7.14	43	3683	4.014	ug/l	99
26) 2,2-Dichloropropane	7.15	77	3994	Below Cal	#	55
29) Tetrahydrofuran	7.53	42	752	1.438	ug/l	89
31) Cyclohexane	7.95	56	6434	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	22953	5.979	ug/l #	51
37) Ethyl Acetate	7.14	43	3683	1.808	ug/l #	1
38) Carbon Tetrachloride	7.95	117	30684	7.800	ug/l #	13
76) 1,2,3-Trichloropropane	12.62	75	95505	61.199	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	95505	138.829	ug/l #	7

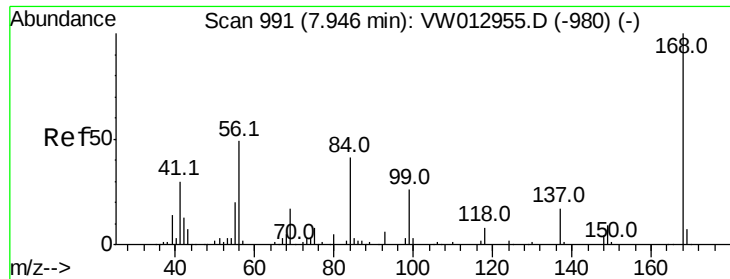
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 13 17:26:01 2019
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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: VW013089.D

Acq: 17 Sep 2019 14:47

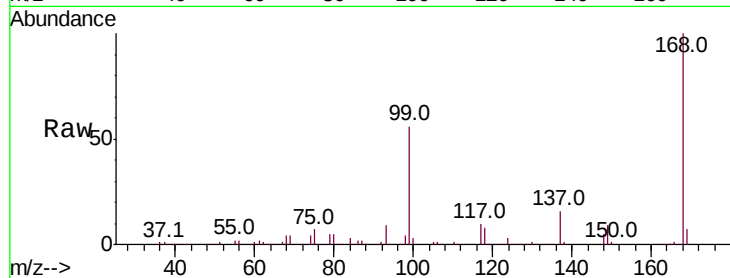
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 312439

Ion Ratio Lower Upper

168 100

99 56.1 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

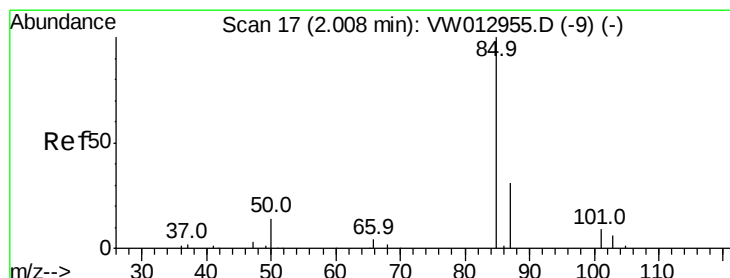
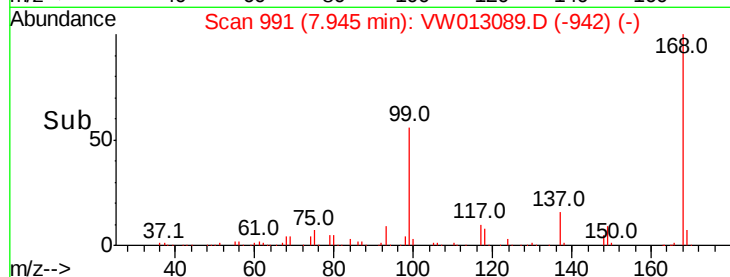
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 20

Delta R.T. 0.02 min

Lab File: VW013089.D

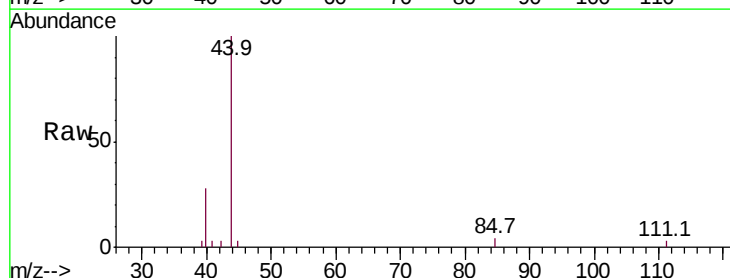
Acq: 17 Sep 2019 14:47

Tgt Ion: 85 Resp: 63

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.03

120

100

80

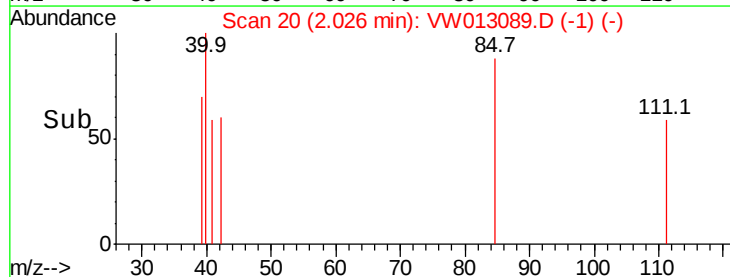
60

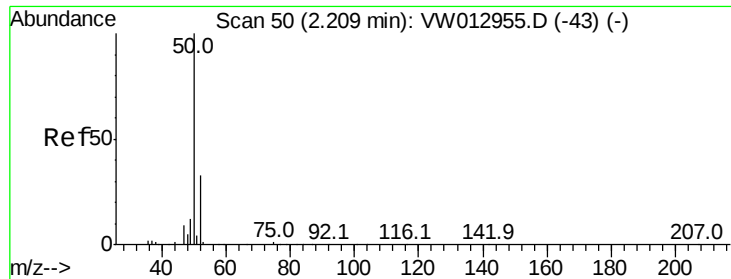
40

20

0

Time--> 2.00 2.02 2.04





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013089.D

Acq: 17 Sep 2019 14:47

Instrument :

MSVOA_W

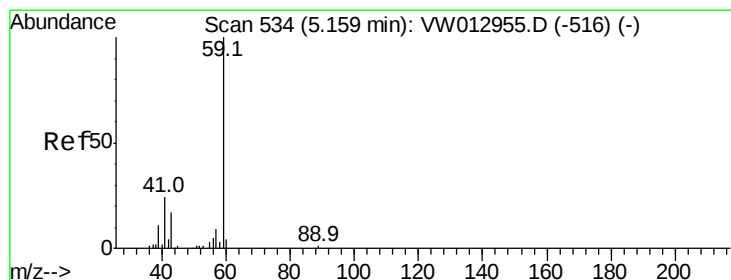
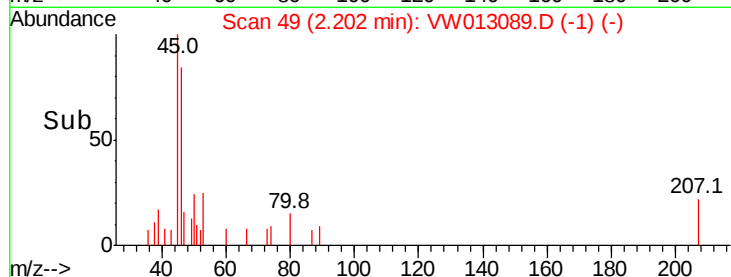
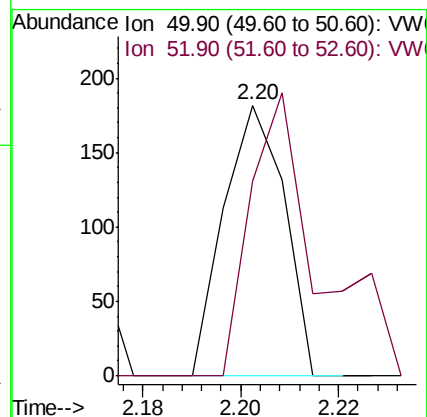
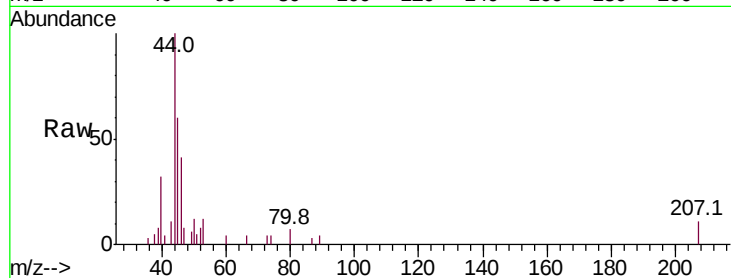
ClientSampleId :

Tot Ion: 50 Resp: 156

Ion Ratio Lower Upper

50 100

52 72.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: 67.595 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW013089.D

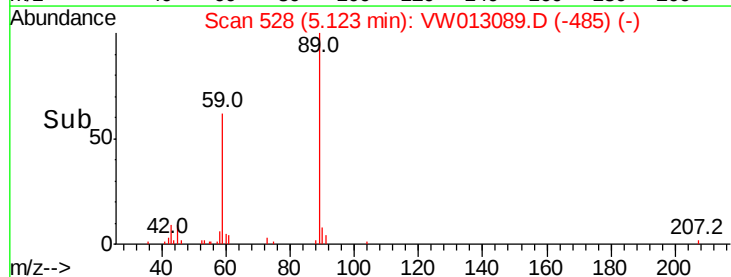
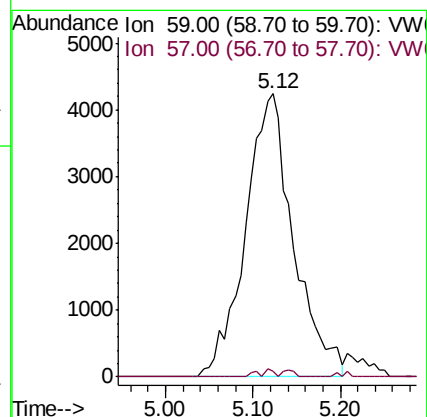
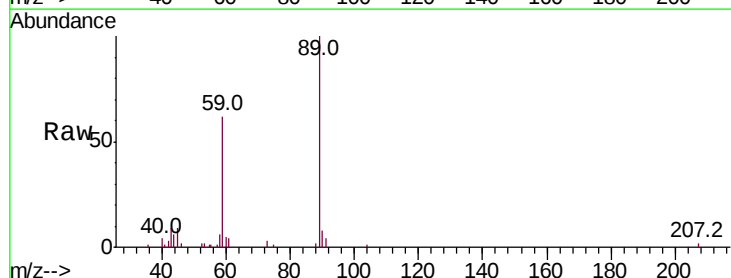
Acq: 17 Sep 2019 14:47

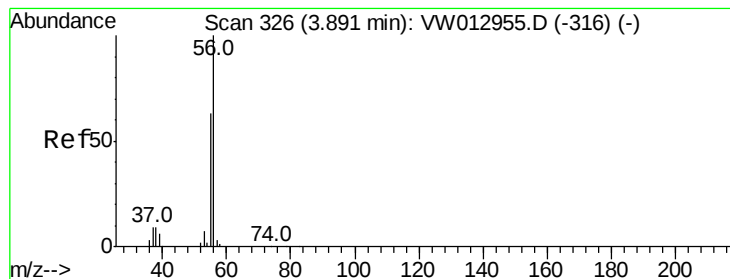
Tgt Ion: 59 Resp: 16211

Ion Ratio Lower Upper

59 100

57 0.4 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013089.D

Acq: 17 Sep 2019 14:47

Instrument :

MSVOA_W

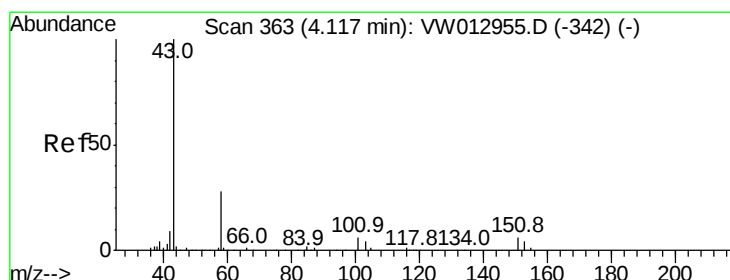
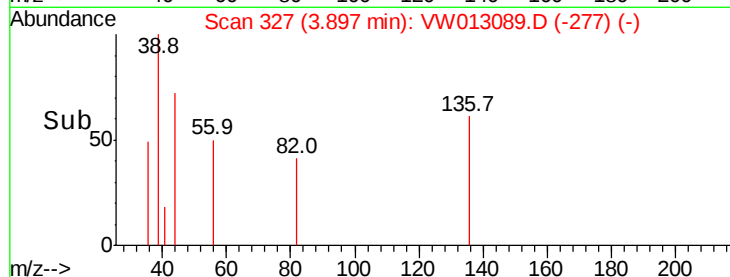
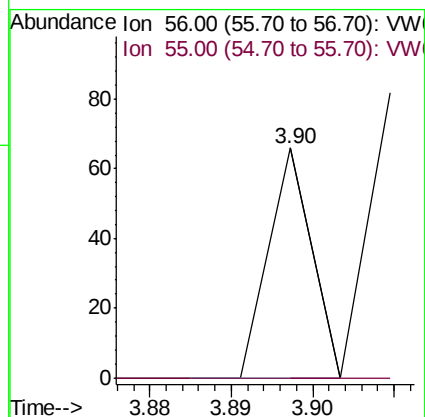
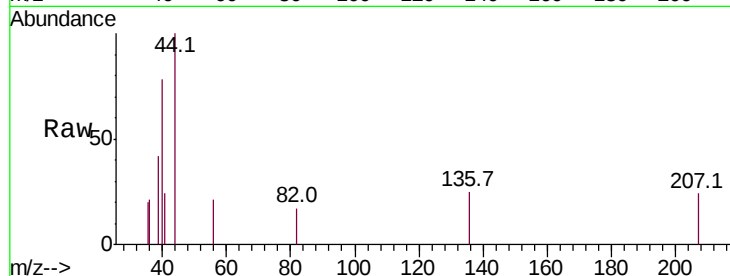
ClientSampled :

Tot Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: 6.476 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013089.D

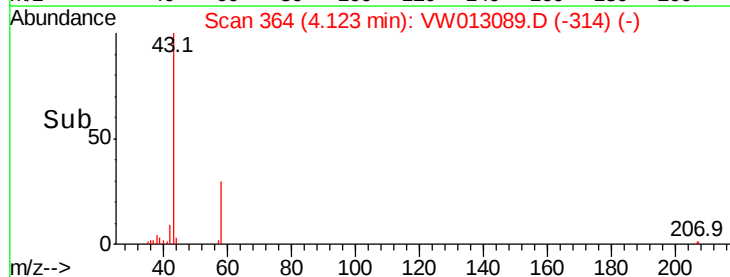
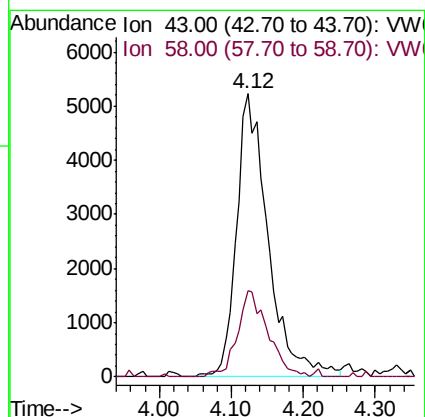
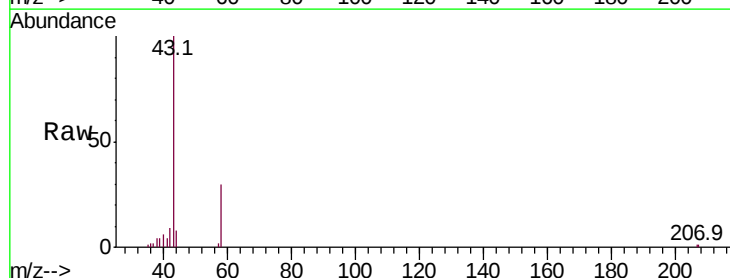
Acq: 17 Sep 2019 14:47

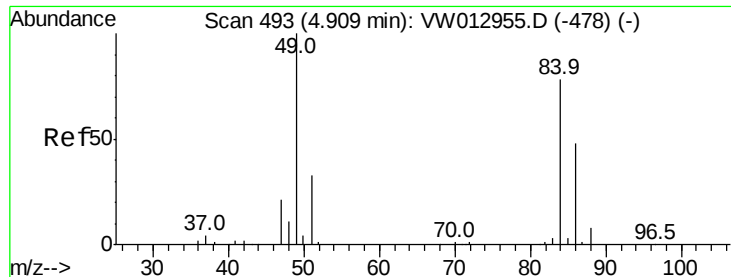
Tgt Ion: 43 Resp: 15978

Ion Ratio Lower Upper

43 100

58 30.3 22.3 33.5

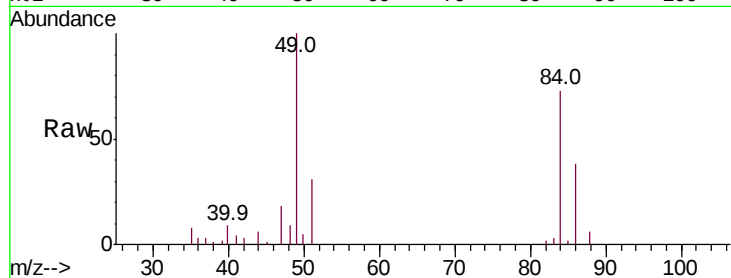




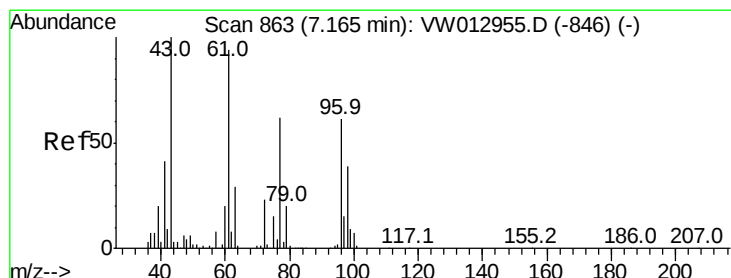
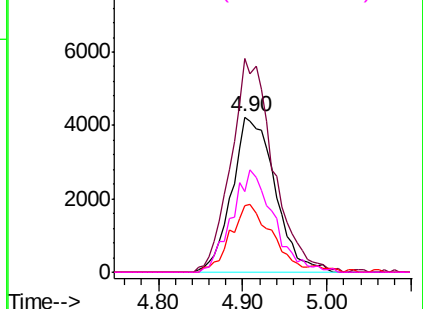
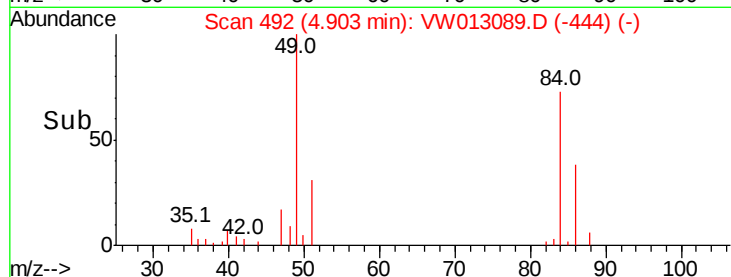
#20
Methvlene Chloride
Concen: 1.266 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013089.D
Acq: 17 Sep 2019 14:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 14735
Ion Ratio Lower Upper
84 100
49 137.4 102.0 153.0
51 42.9 34.0 51.0
86 51.8 48.5 72.7

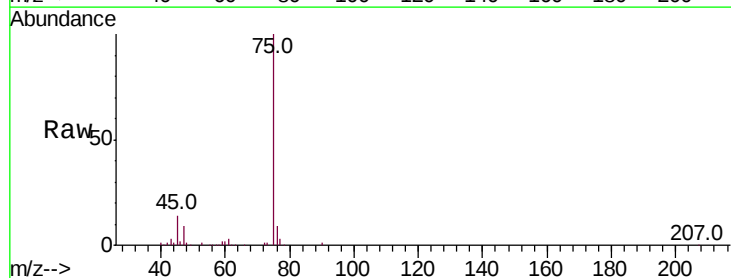


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

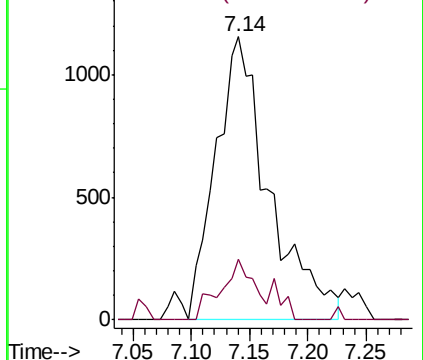
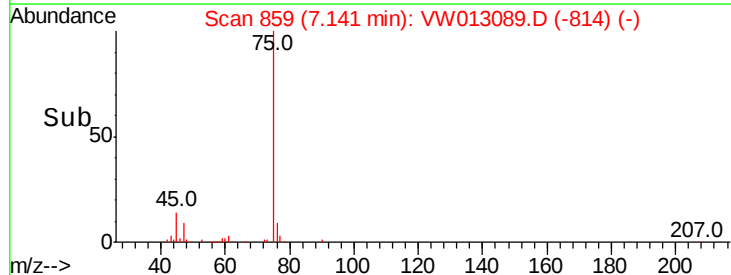


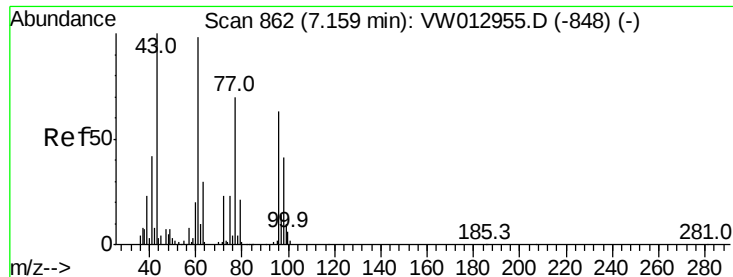
#25
2-Butanone
Concen: 4.014 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013089.D
Acq: 17 Sep 2019 14:47

Tgt Ion: 43 Resp: 3683
Ion Ratio Lower Upper
43 100
72 23.4 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013089.D

Acq: 17 Sep 2019 14:47

Instrument :

MSVOA_W

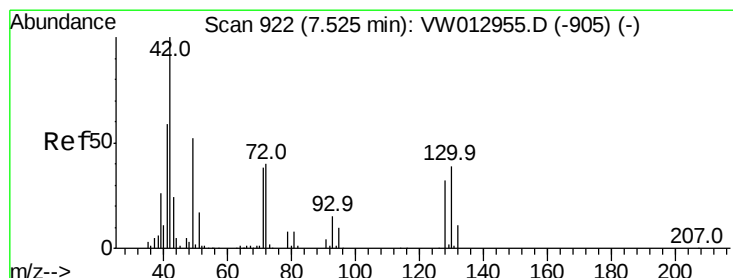
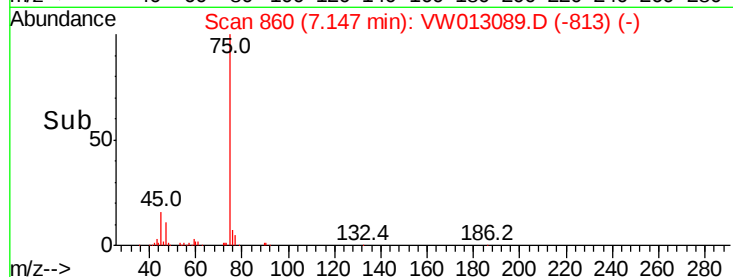
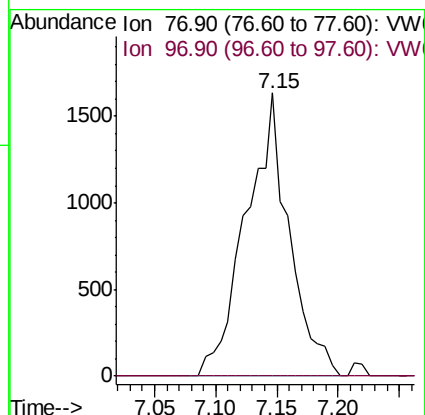
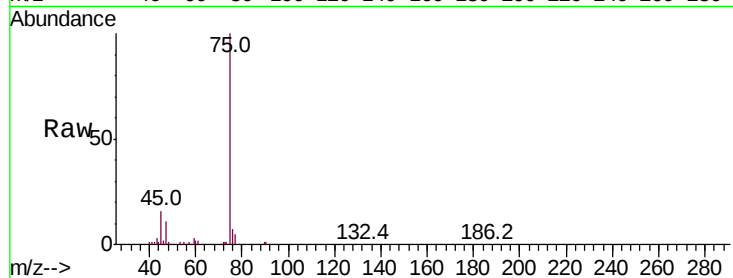
ClientSampleId :

Tot Ion: 77 Resp: 3994

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



#29

Tetrahydrofuran

Concen: 1.438 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013089.D

Acq: 17 Sep 2019 14:47

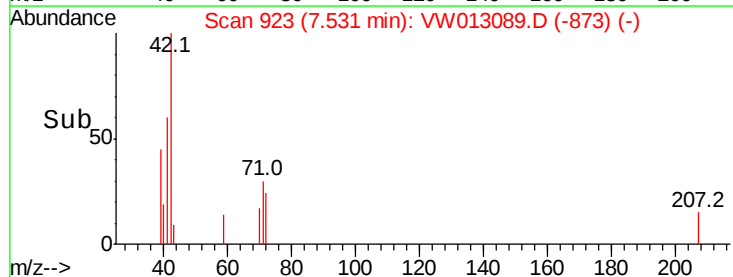
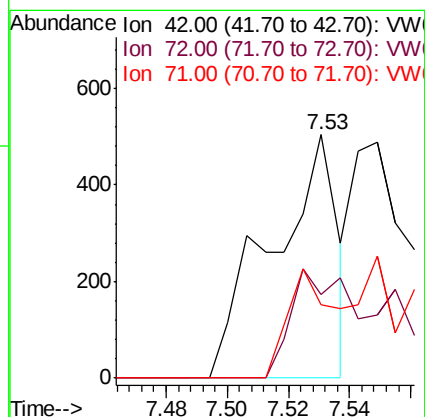
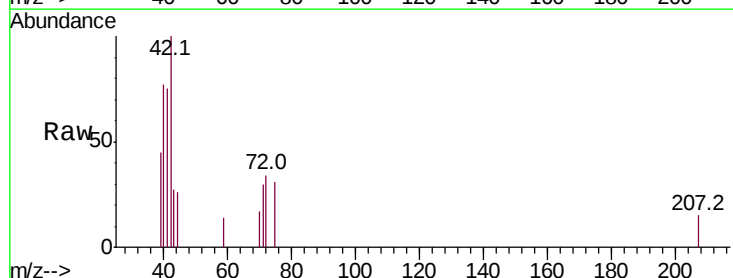
Tgt Ion: 42 Resp: 752

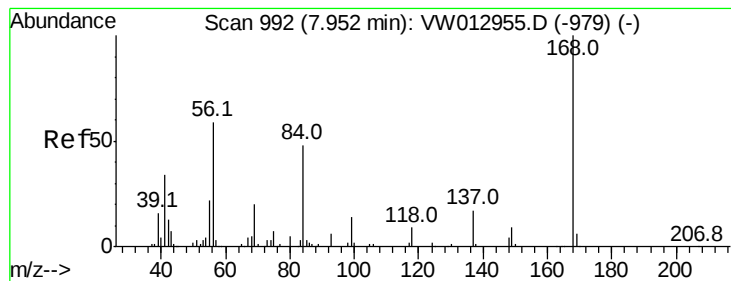
Ion Ratio Lower Upper

42 100

72 45.9 31.4 47.0

71 30.6 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

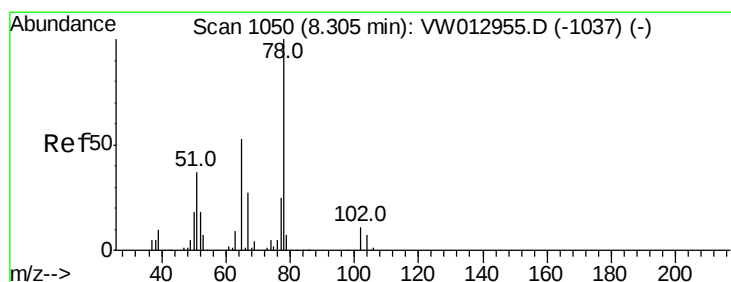
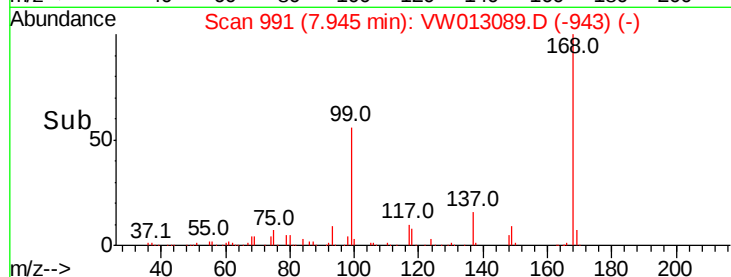
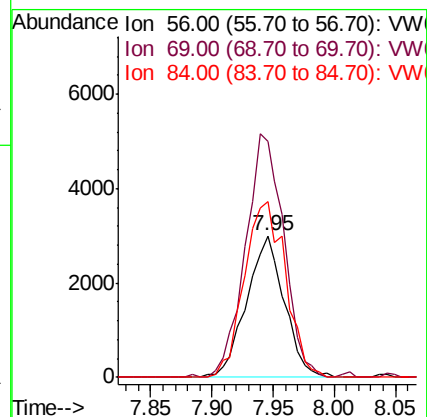
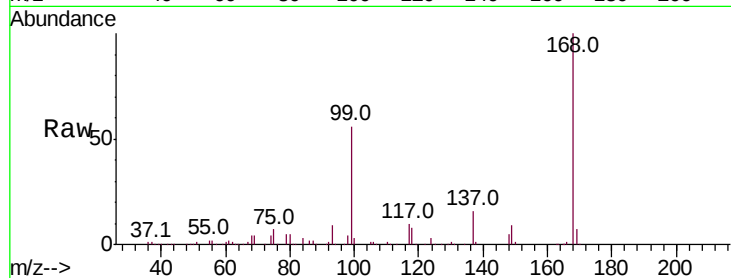
Lab File: VW013089.D

Acq: 17 Sep 2019 14:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6434

Ion	Ratio	Lower	Upper
56	100		
69	164.5	27.0	40.6#
84	123.8	66.2	99.2#



#33

1,2-Dichloroethane-d4

Concen: 55.820 ug/l

RT: 8.30 min Scan# 1050

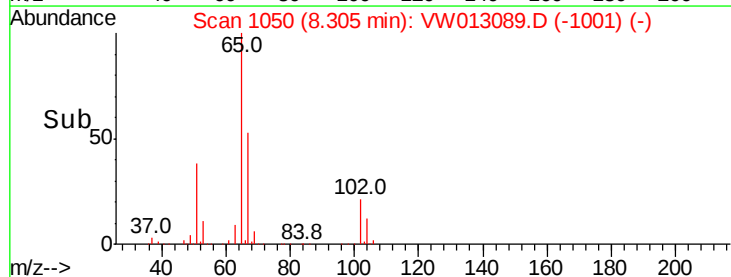
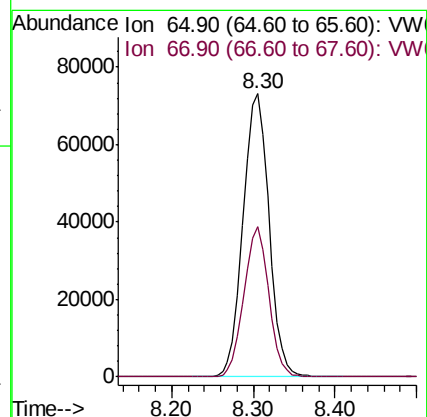
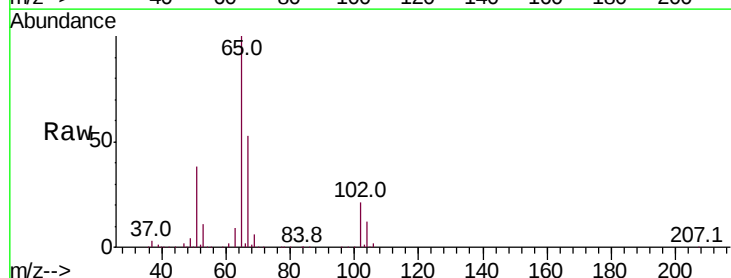
Delta R.T. -0.00 min

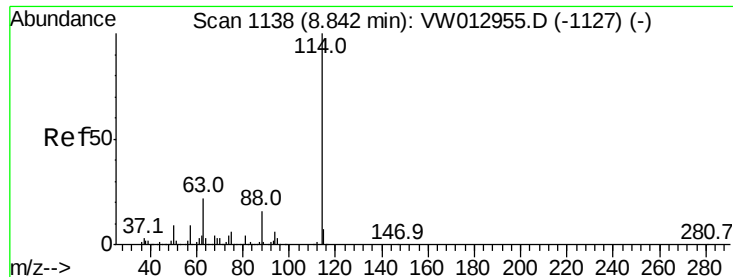
Lab File: VW013089.D

Acq: 17 Sep 2019 14:47

Tgt Ion: 65 Resp: 161073

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.2

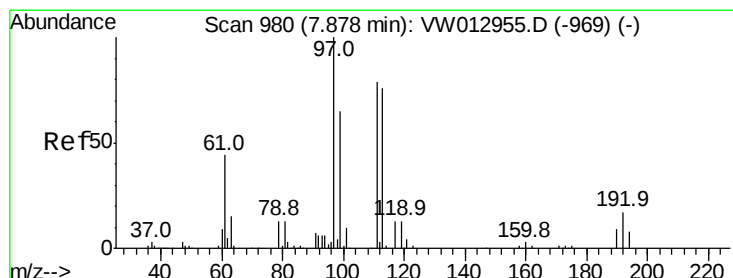
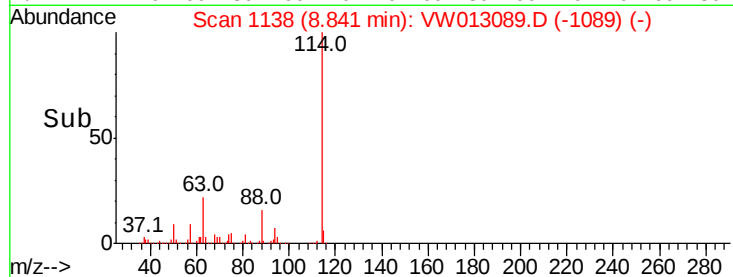
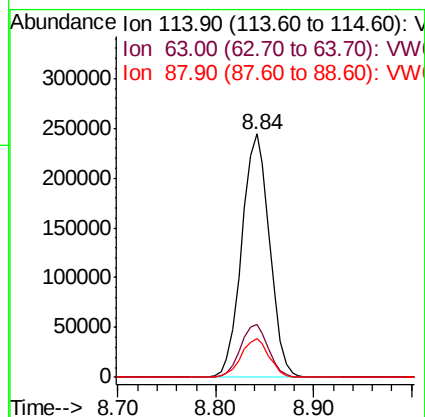
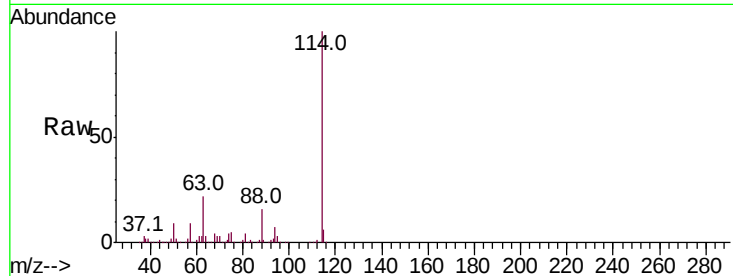




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013089.D
Acq: 17 Sep 2019 14:47

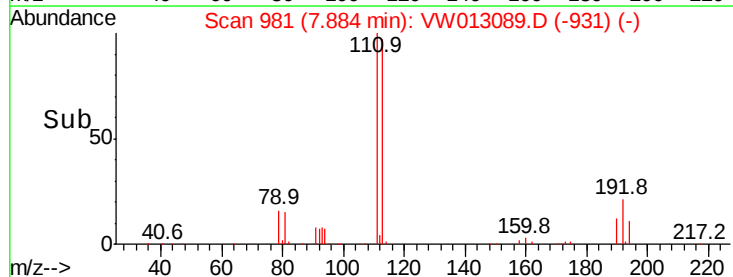
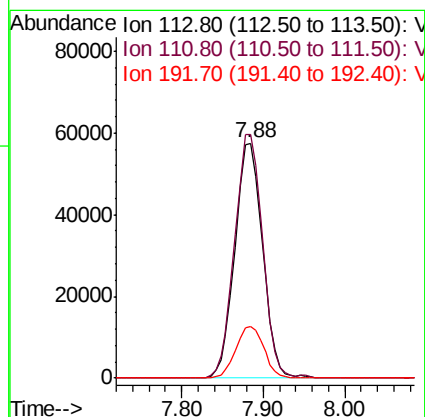
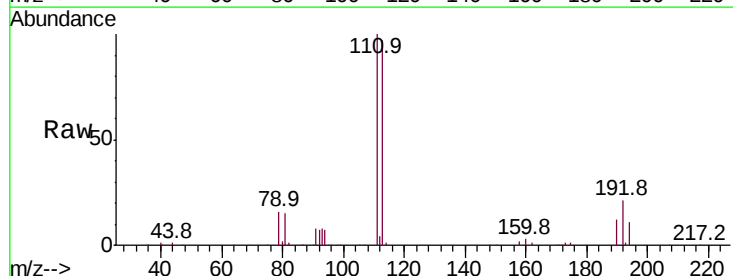
Instrument :
MSVOA_W
ClientSampleId :

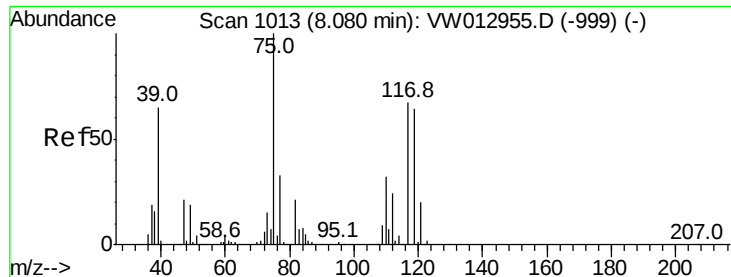
Tot Ion:114 Resp: 480399
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.4
88 16.1 0.0 31.6



#35
Dibromofluoromethane
Concen: 51.823 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW013089.D
Acq: 17 Sep 2019 14:47

Tgt Ion:113 Resp: 135086
Ion Ratio Lower Upper
113 100
111 104.8 82.8 124.2
192 22.1 17.8 26.8





#36

1,1-Dichloropropene

Concen: 5.979 ug/l

RT: 7.94 min Scan# 990

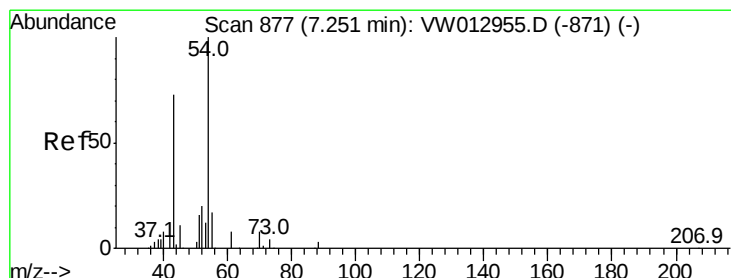
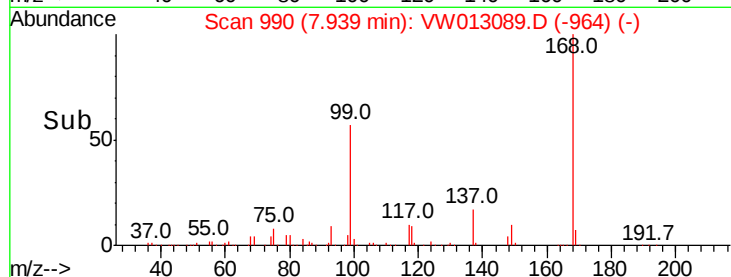
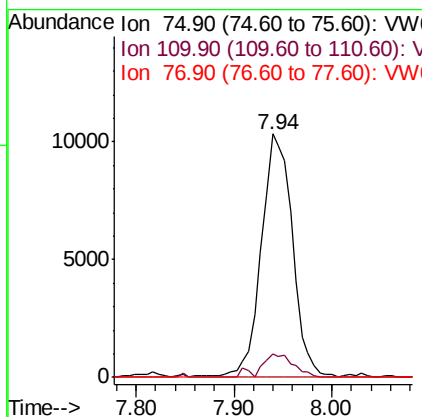
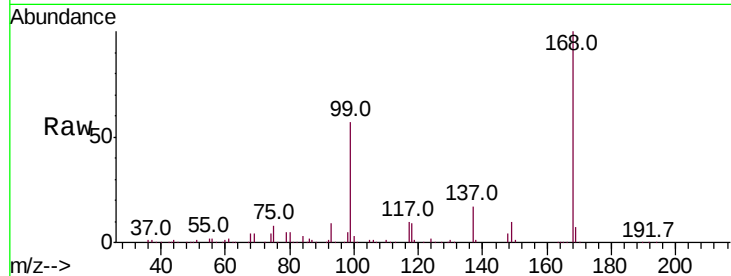
Delta R.T. -0.14 min

Lab File: VW013089.D

Acq: 17 Sep 2019 14:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	75	Resp:	22953
Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.4	49.1#
77	0.0	25.1	37.7#



#37

Ethyl Acetate

Concen: 1.808 ug/l

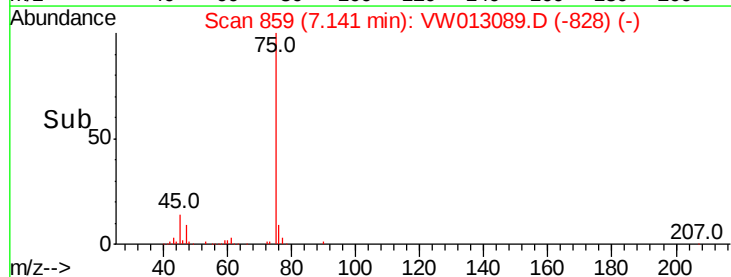
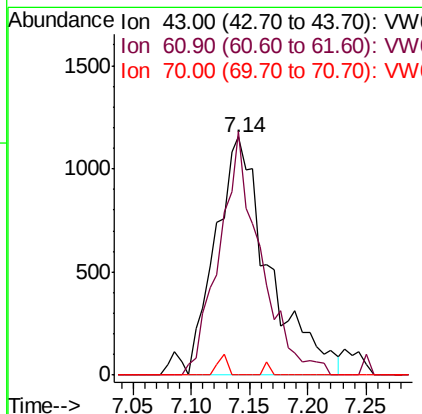
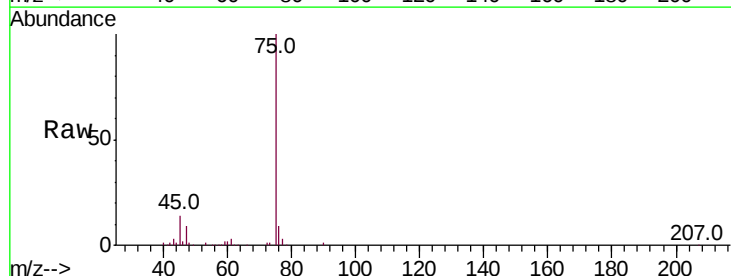
RT: 7.14 min Scan# 859

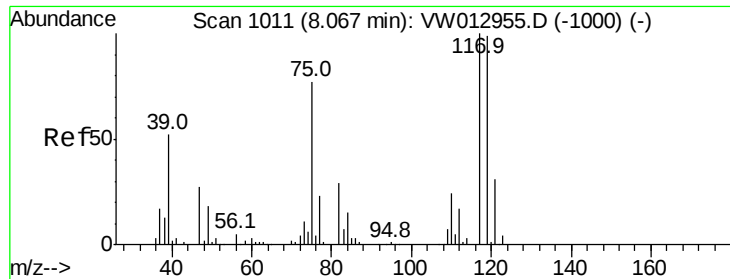
Delta R.T. -0.11 min

Lab File: VW013089.D

Acq: 17 Sep 2019 14:47

Tgt Ion:	43	Resp:	3683
Ion	Ratio	Lower	Upper
43	100		
61	78.4	9.6	14.4#
70	1.5	7.6	11.4#

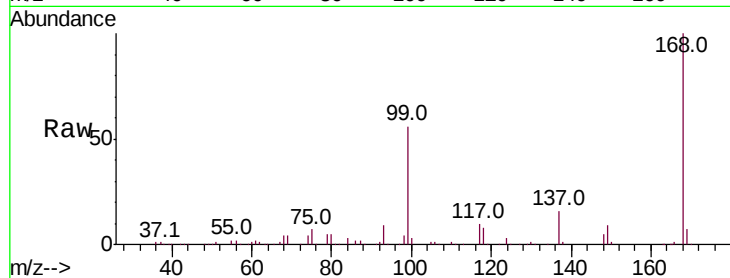




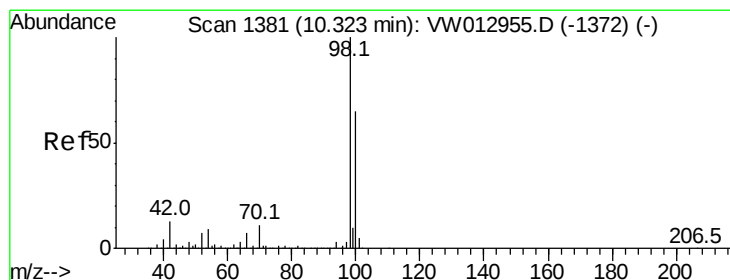
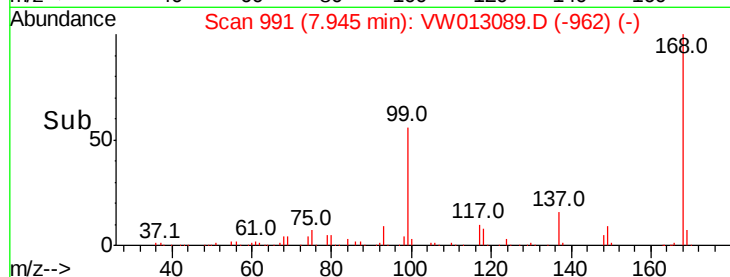
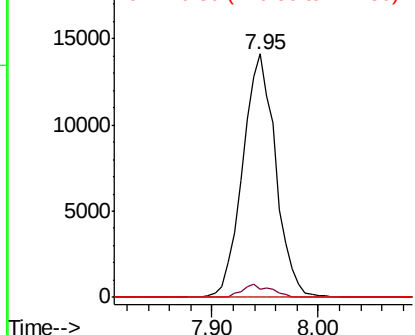
#38
Carbon Tetrachloride
Concen: 7.800 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013089.D
Acq: 17 Sep 2019 14:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 30684
Ion Ratio Lower Upper
117 100
119 3.1 79.4 119.0#
121 0.0 24.6 36.8#

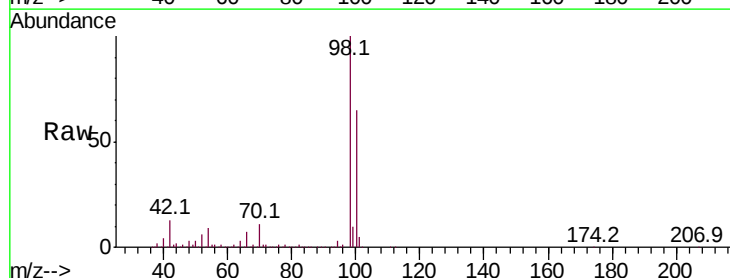


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

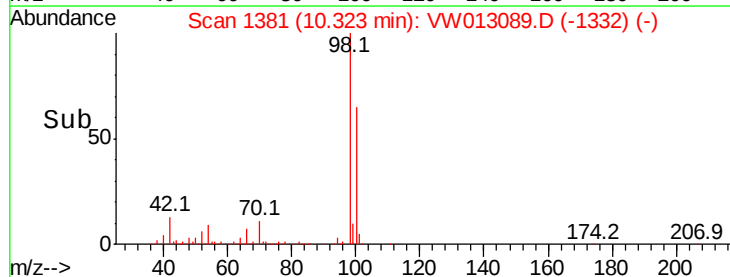
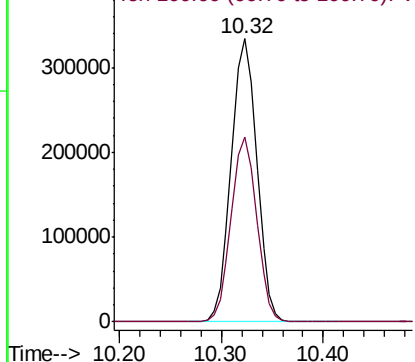


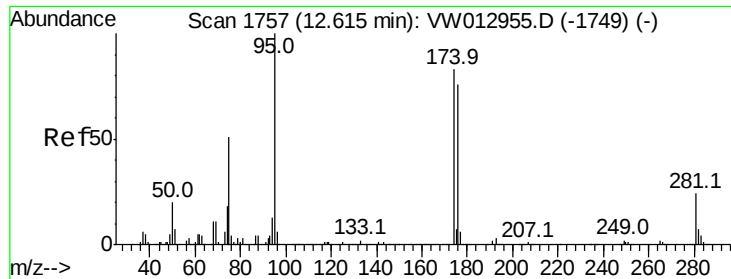
#50
Toluene-d8
Concen: 57.082 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013089.D
Acq: 17 Sep 2019 14:47

Tgt Ion: 98 Resp: 582251
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

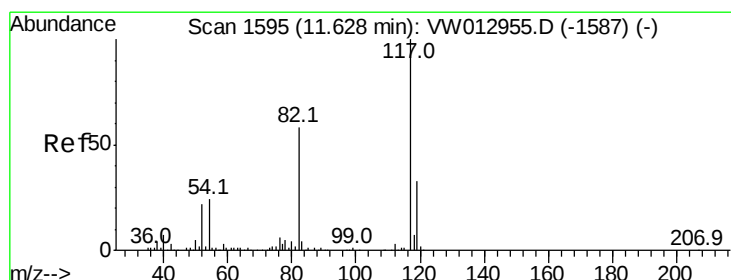
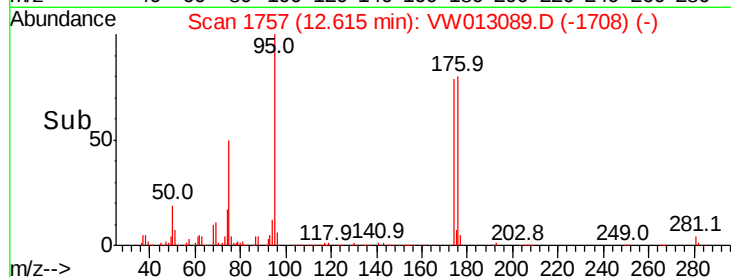
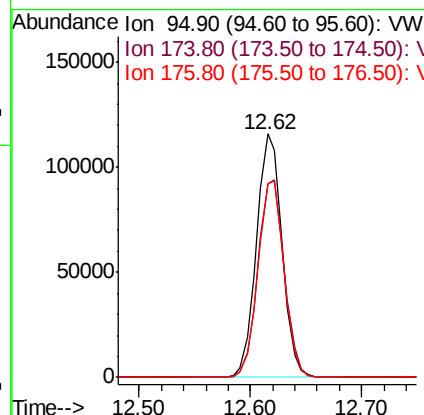
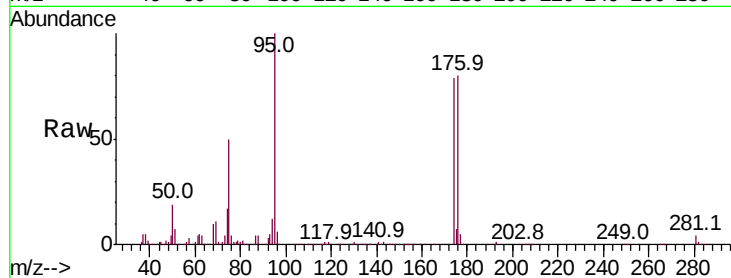




#62
4-Bromofluorobenzene
Concen: 50.692 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013089.D
Acq: 17 Sep 2019 14:47

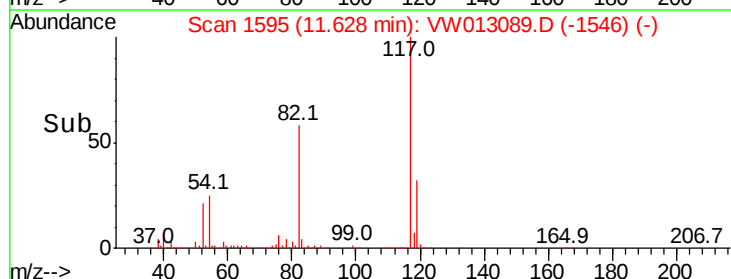
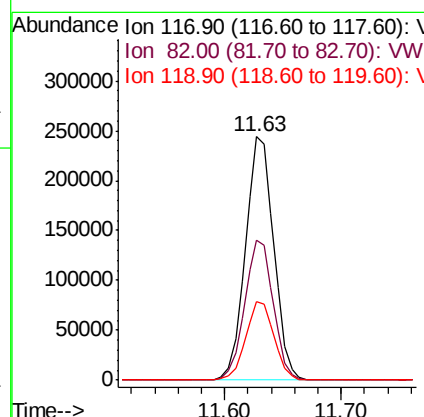
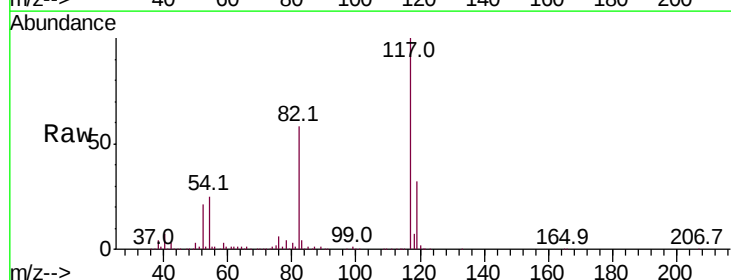
Instrument :
MSVOA_W
ClientSampleId :

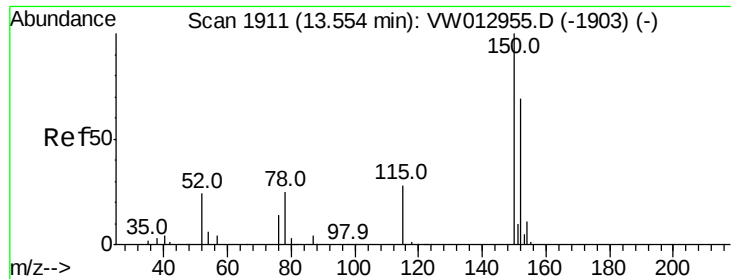
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	170.4
176	82.3	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013089.D
Acq: 17 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.3	69.5
119	32.3	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: VW013089.D

Acq: 17 Sep 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

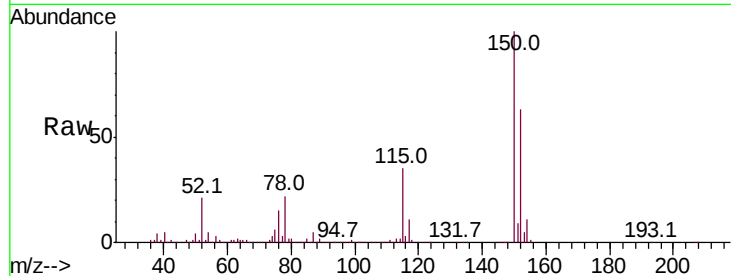
Tot Ion:152 Resp: 178163

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.4

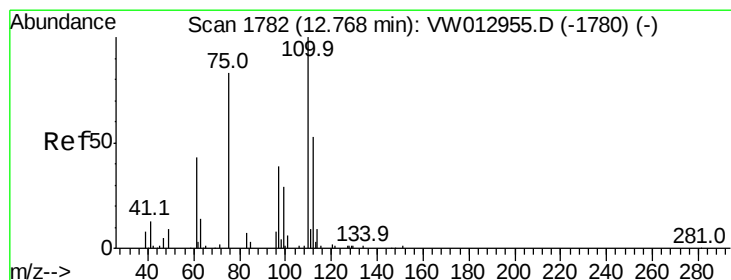
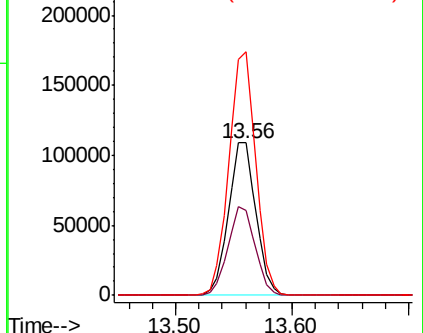
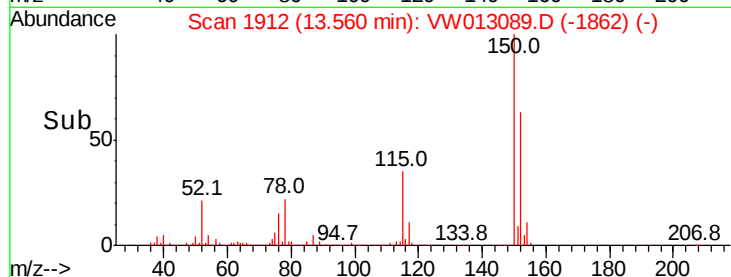
150 156.8 0.0 340.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 61.199 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013089.D

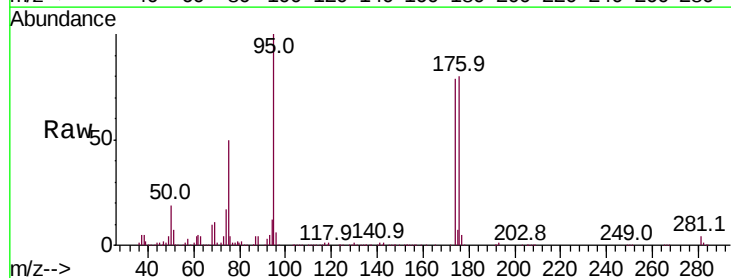
Acq: 17 Sep 2019 14:47

Tgt Ion: 75 Resp: 95505

Ion Ratio Lower Upper

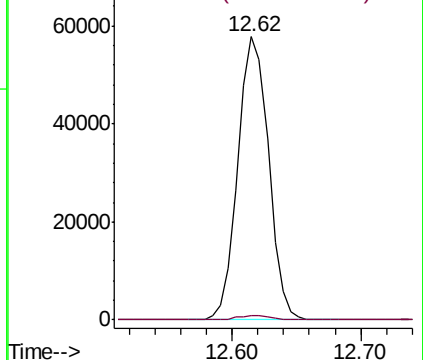
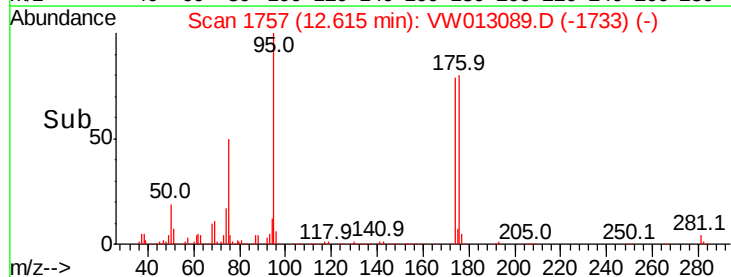
75 100

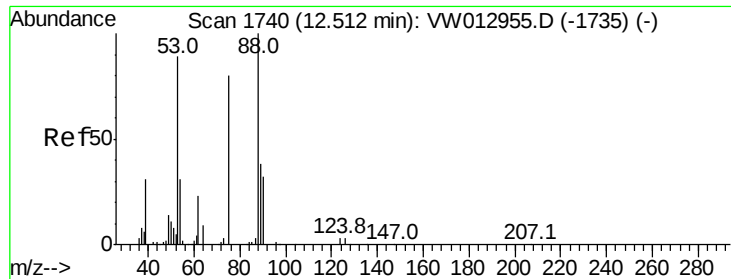
77 1.8 0.0 0.0#



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: 138.829 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013089.D

Acq: 17 Sep 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

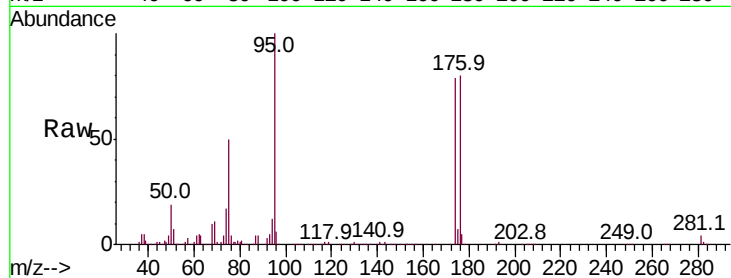
Tot Ion: 75 Resp: 95505

Ion Ratio Lower Upper

75 100

53 0.1 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

