

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013091.D
 Acq On : 17 Sep 2019 15:38
 Operator : SY/VA
 Sample : K4861-10
 Misc : 5.33G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:33:28 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	323538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	481325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170758	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	154429	51.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.36%	
35) Dibromofluoromethane	7.88	113	134430	51.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.94%	
50) Toluene-d8	10.32	98	568718	55.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.30%	
62) 4-Bromofluorobenzene	12.61	95	179955	48.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.94%	

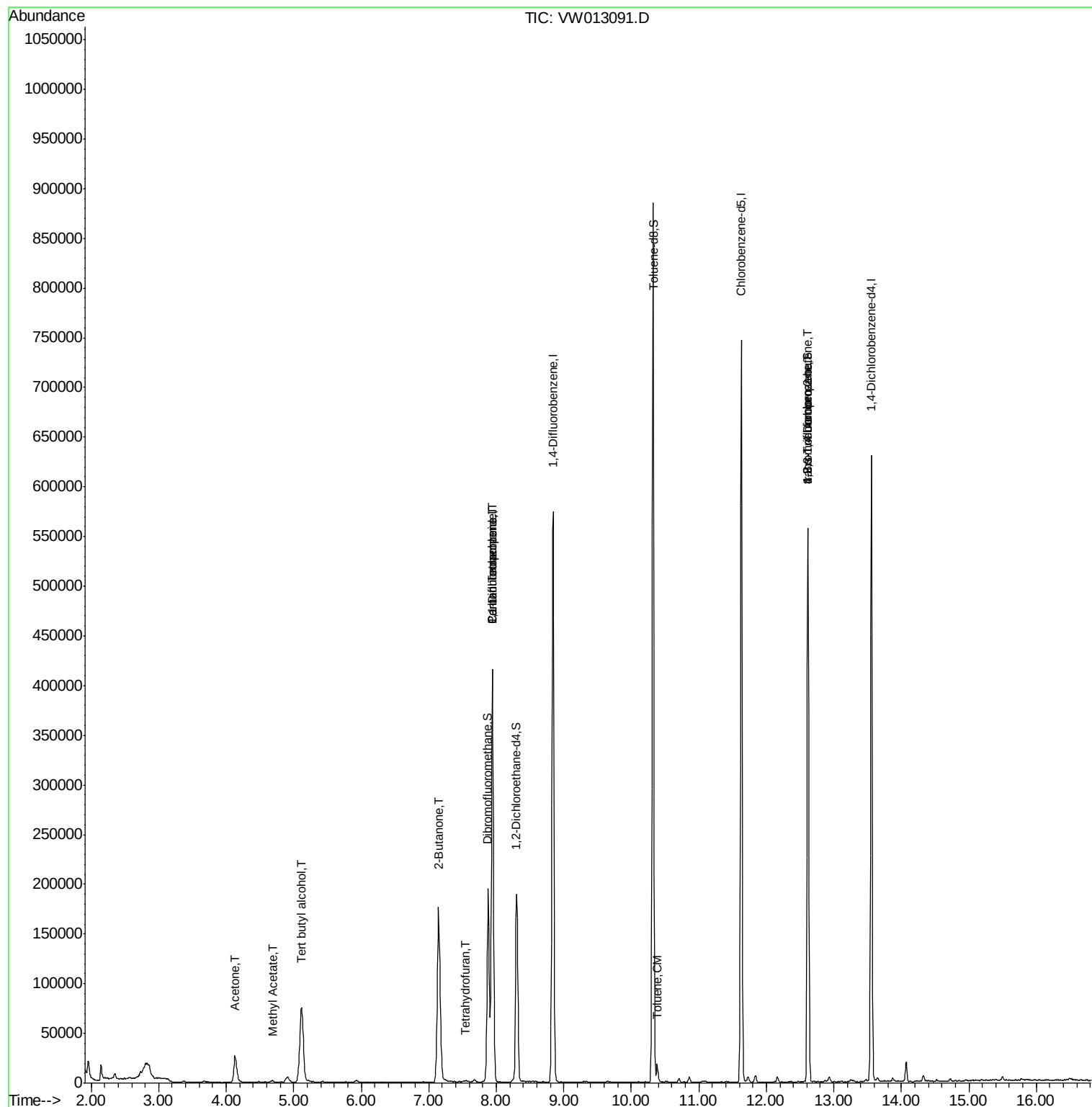
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.12	85	21	Below Cal	#	44
3) Chloromethane	2.20	50	250	Below Cal	#	60
11) Tert butyl alcohol	5.11	59	74342	379.670	ug/l #	75
13) Acrolein	3.90	56	27	Below Cal	#	15
16) Acetone	4.13	43	54099	69.308	ug/l	98
18) Methyl Acetate	4.68	43	4435	2.605	ug/l #	87
20) Methylene Chloride	4.91	84	4042	Below Cal		95
25) 2-Butanone	7.16	43	12631	13.294	ug/l #	82
26) 2,2-Dichloropropane	7.14	77	12485	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	1410	2.604	ug/l #	79
31) Cyclohexane	7.94	56	6231	Below Cal	#	2
36) 1,1-Dichloropropene	7.94	75	24363	6.334	ug/l #	50
38) Carbon Tetrachloride	7.94	117	30002	7.612	ug/l #	15
52) Toluene	10.38	92	7288	1.068	ug/l	92
76) 1,2,3-Trichloropropane	12.61	75	94571	63.228	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	94571	143.432	ug/l #	7

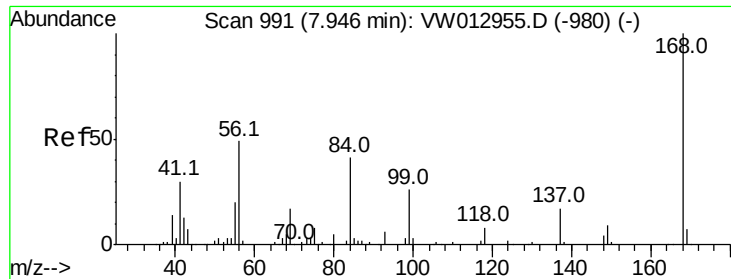
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013091.D

Acq: 17 Sep 2019 15:38

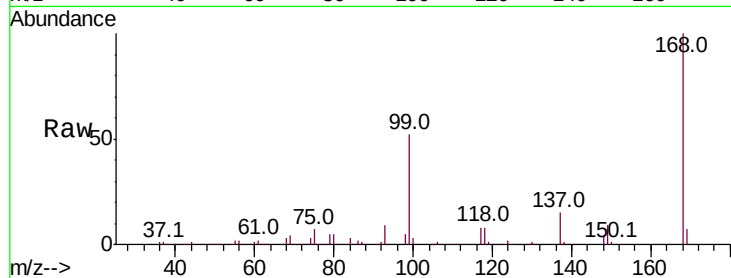
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 323538

Ion Ratio Lower Upper

168 100

99 51.9 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

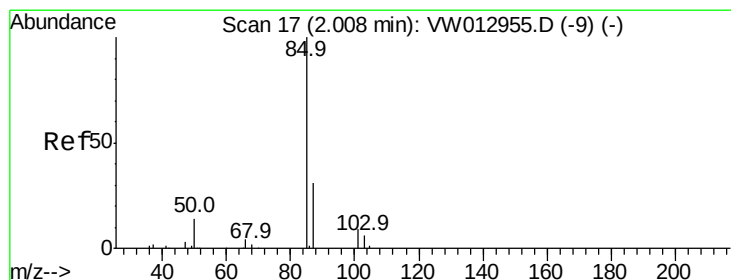
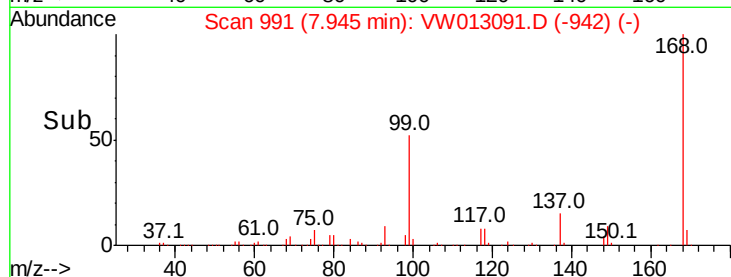
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.12 min Scan# 36

Delta R.T. 0.12 min

Lab File: VW013091.D

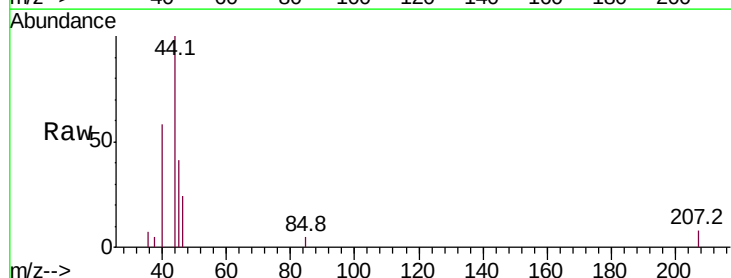
Acq: 17 Sep 2019 15:38

Tgt Ion: 85 Resp: 21

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

2.12

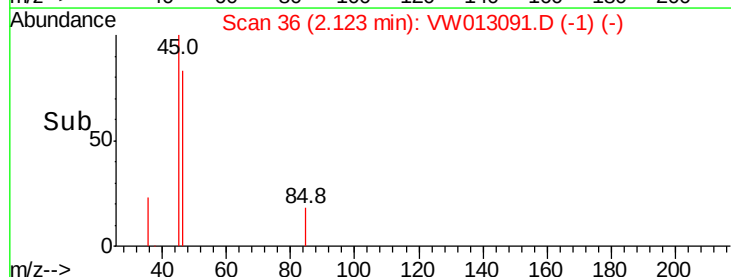
60

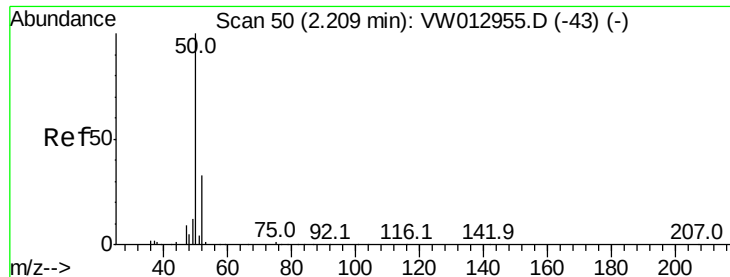
40

20

0

Time--> 2.10 2.11 2.12 2.13 2.14





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013091.D

Acq: 17 Sep 2019 15:38

Instrument :

MSVOA_W

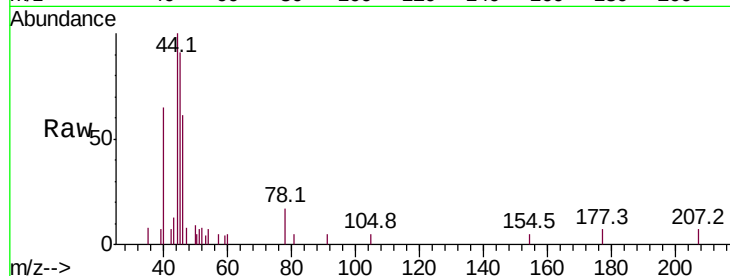
ClientSampleId :

Tot Ion: 50 Resp: 250

Ion Ratio Lower Upper

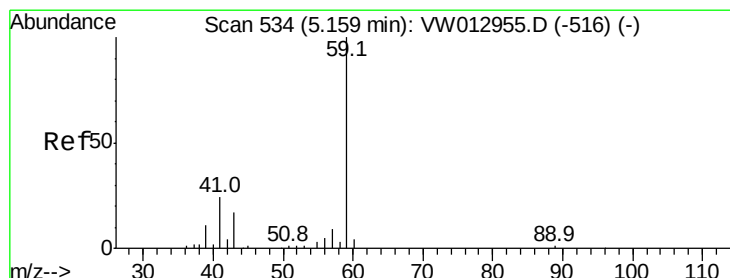
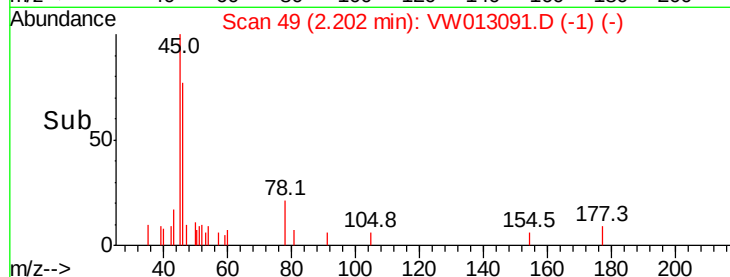
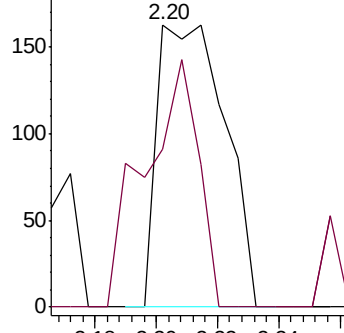
50 100

52 55.8 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#11

Tert butyl alcohol

Concen: 379.670 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW013091.D

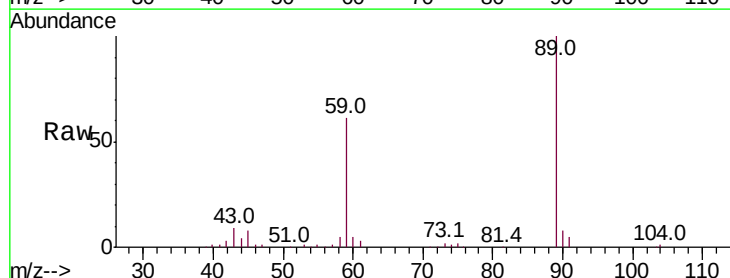
Acq: 17 Sep 2019 15:38

Tgt Ion: 59 Resp: 74342

Ion Ratio Lower Upper

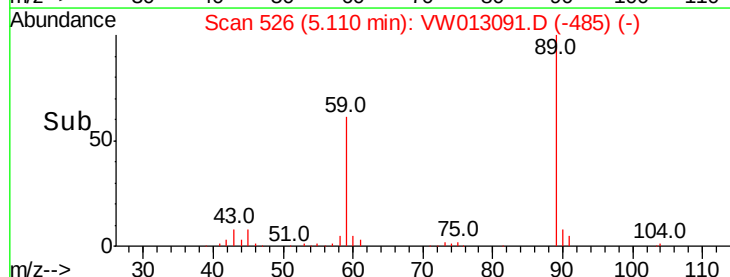
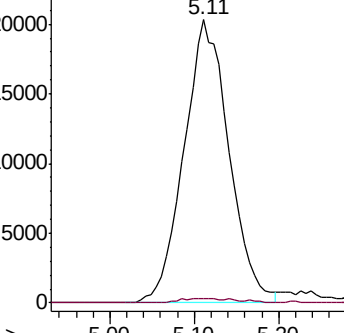
59 100

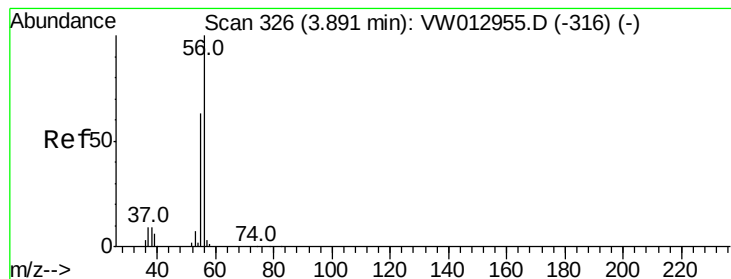
57 1.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW013091.D

Acq: 17 Sep 2019 15:38

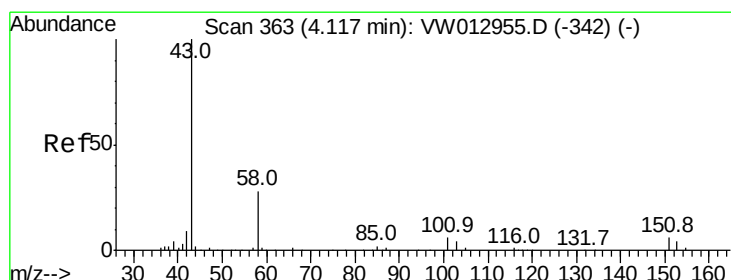
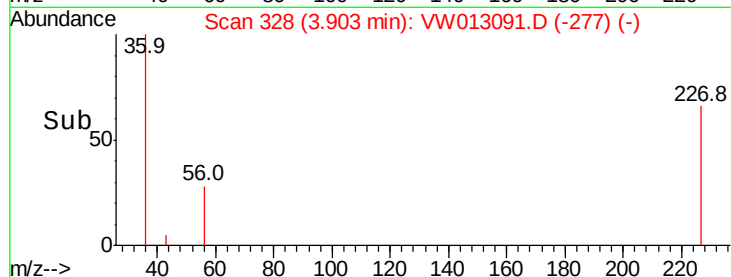
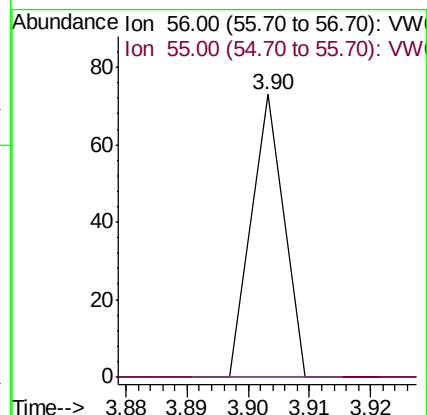
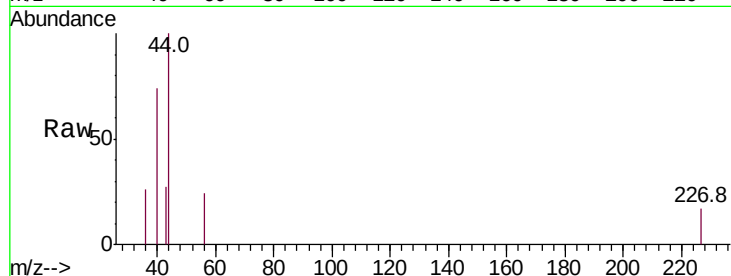
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 27

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: 69.308 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013091.D

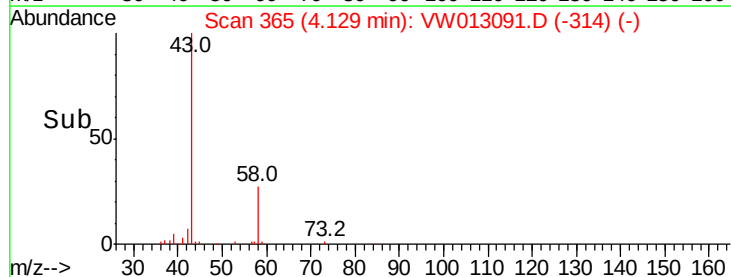
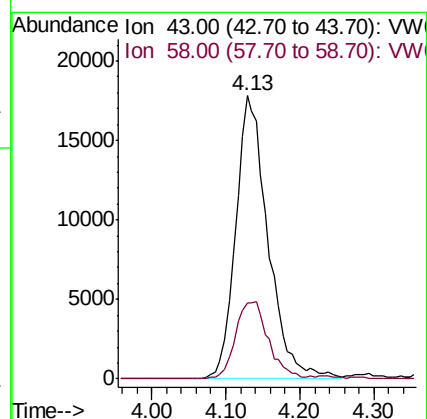
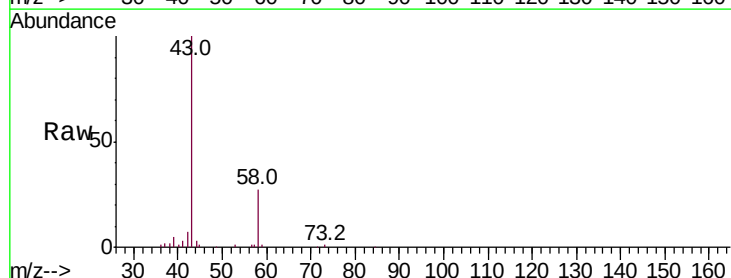
Acq: 17 Sep 2019 15:38

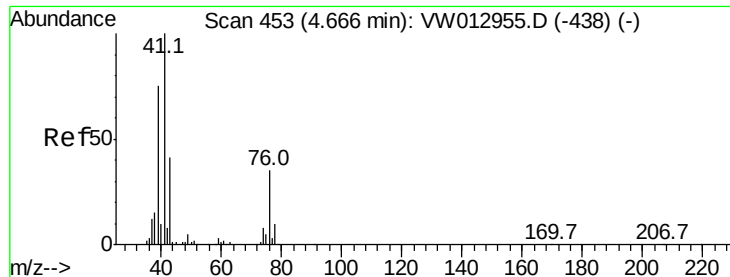
Tgt Ion: 43 Resp: 54099

Ion Ratio Lower Upper

43 100

58 26.7 22.3 33.5

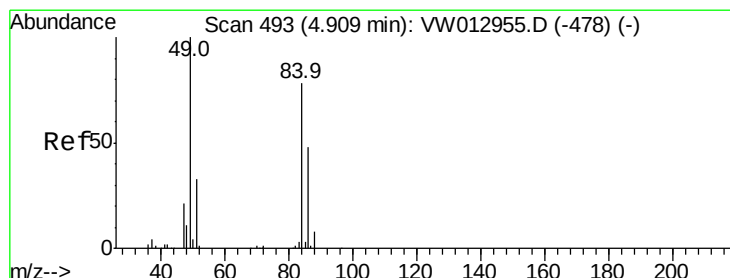
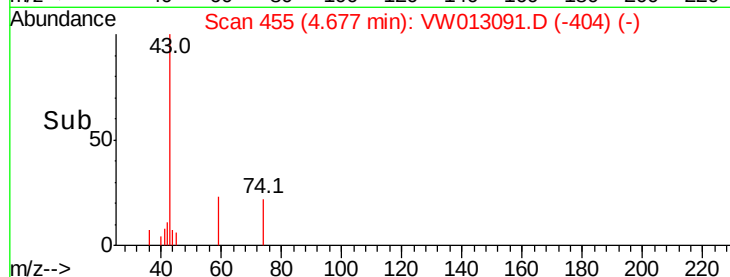
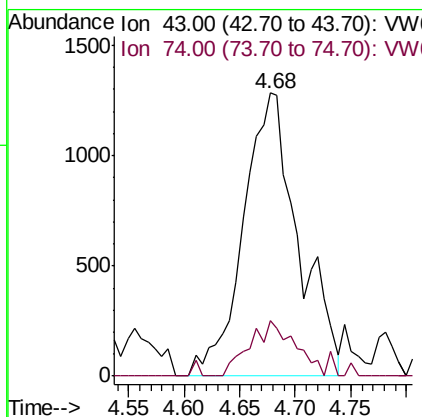
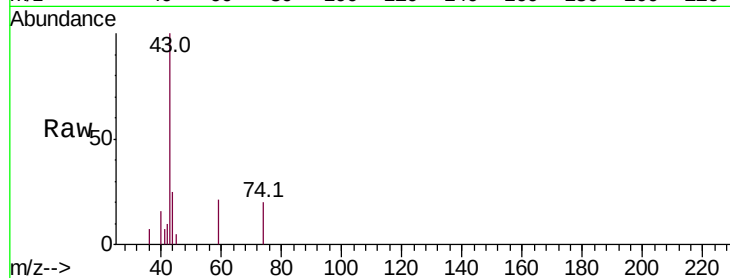




#18
Methvl Acetate
Concen: 2.605 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013091.D
Acq: 17 Sep 2019 15:38

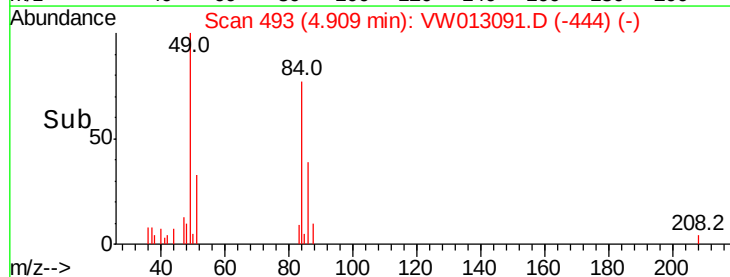
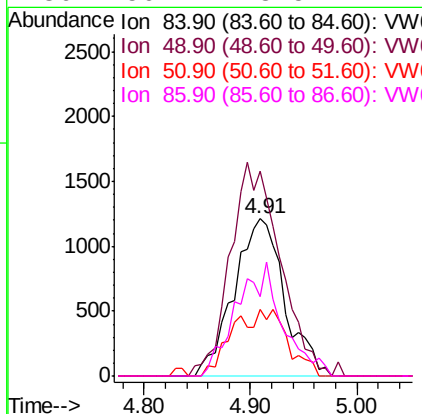
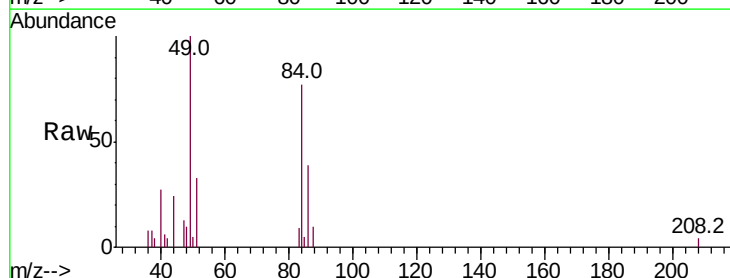
Instrument :
MSVOA_W
ClientSampled :

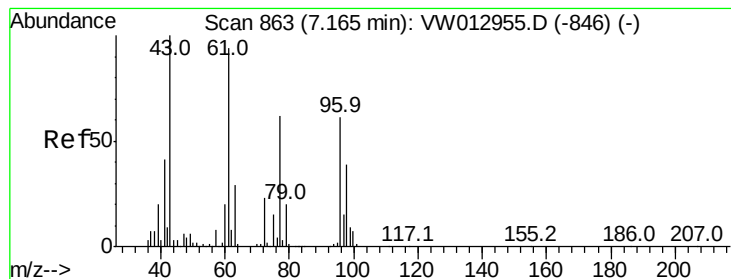
Tot Ion: 43 Resp: 4435
Ion Ratio Lower Upper
43 100
74 16.1 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013091.D
Acq: 17 Sep 2019 15:38

Tgt Ion: 84 Resp: 4042
Ion Ratio Lower Upper
84 100
49 130.0 102.0 153.0
51 42.4 34.0 51.0
86 50.7 48.5 72.7





#25

2-Butanone

Concen: 13.294 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013091.D

Acq: 17 Sep 2019 15:38

Instrument :

MSVOA_W

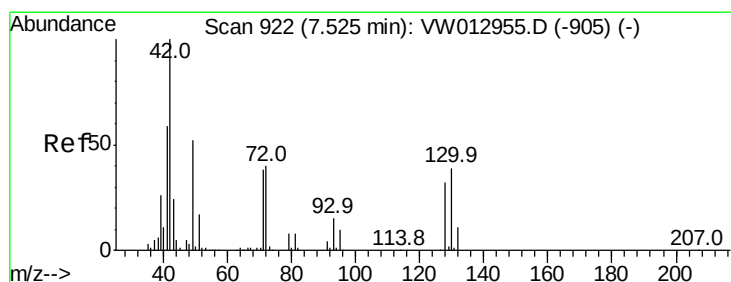
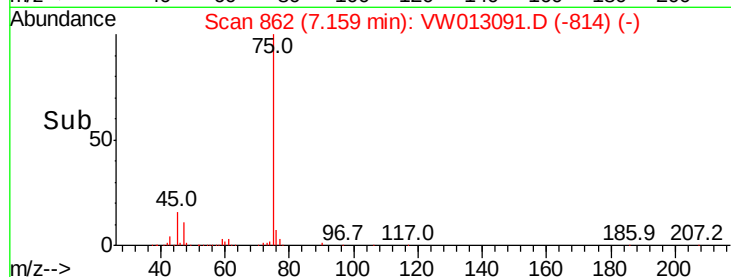
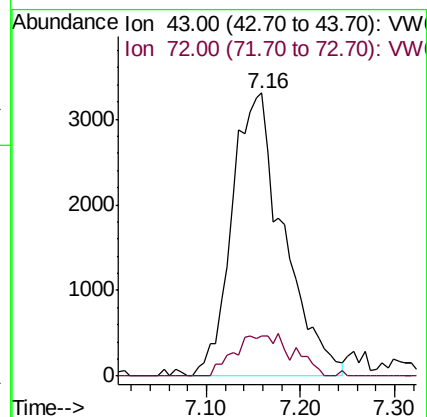
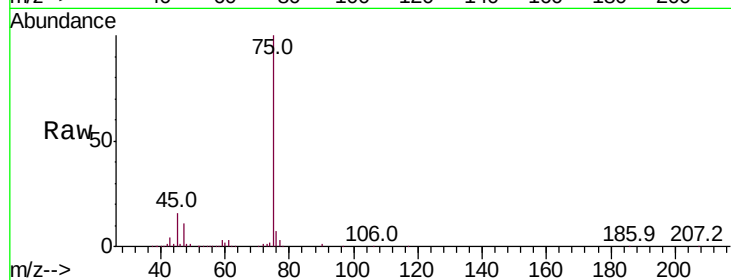
ClientSampled :

Tot Ion: 43 Resp: 12631

Ion Ratio Lower Upper

43 100

72 14.0 18.2 27.4#



#29

Tetrahydrofuran

Concen: 2.604 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW013091.D

Acq: 17 Sep 2019 15:38

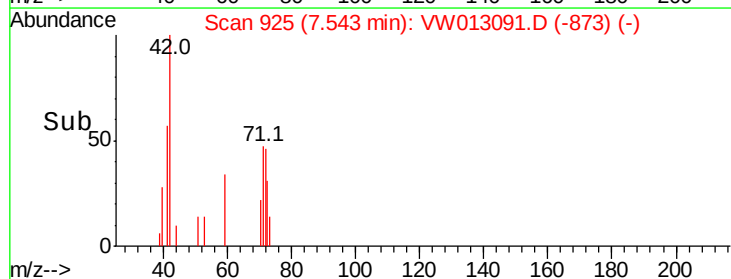
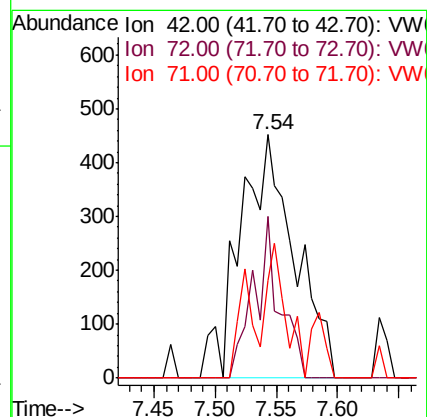
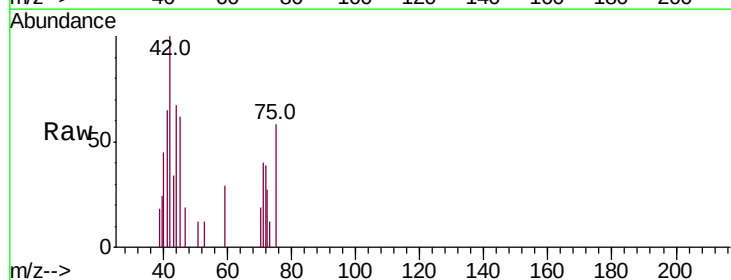
Tgt Ion: 42 Resp: 1410

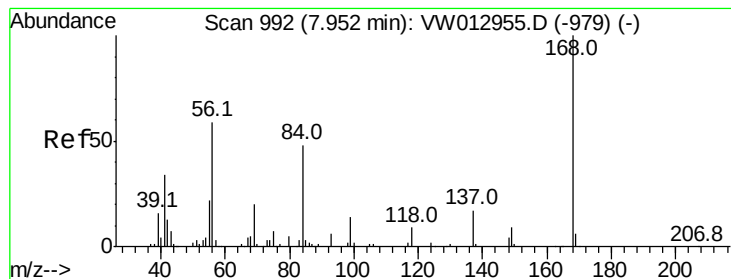
Ion Ratio Lower Upper

42 100

72 31.0 31.4 47.0#

71 19.4 29.8 44.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

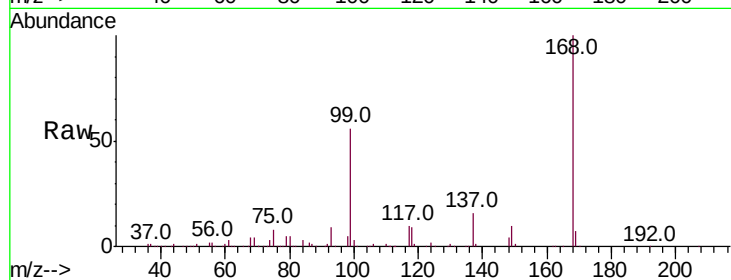
Lab File: VW013091.D

Acq: 17 Sep 2019 15:38

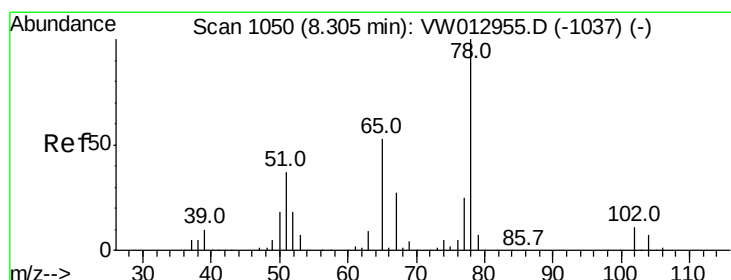
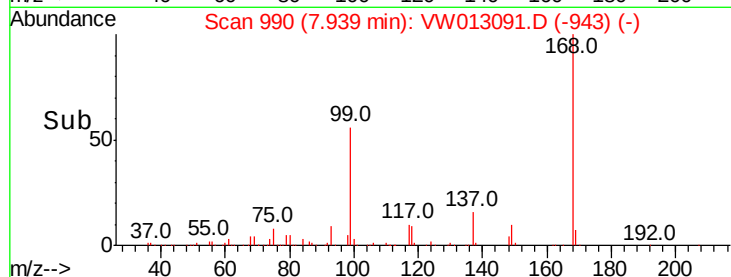
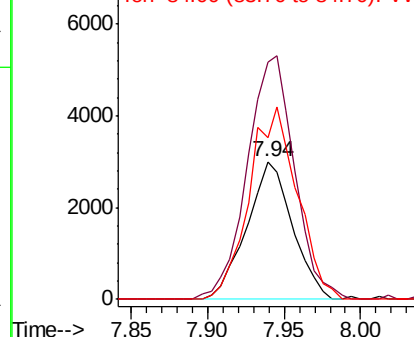
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6231

Ion	Ratio	Lower	Upper
56	100		
69	172.2	27.0	40.6#
84	117.5	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: 51.681 ug/l

RT: 8.30 min Scan# 1050

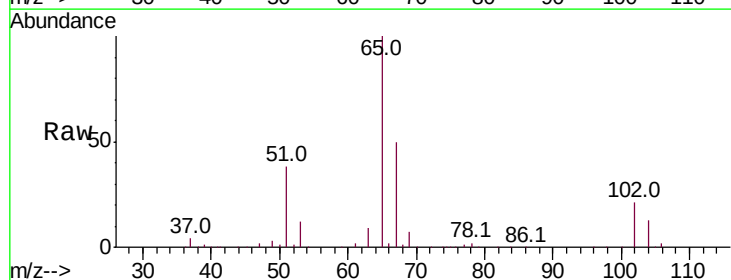
Delta R.T. -0.00 min

Lab File: VW013091.D

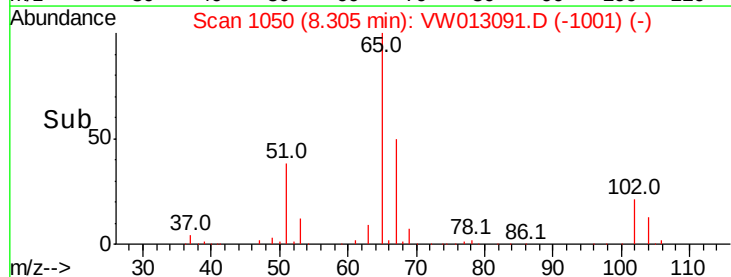
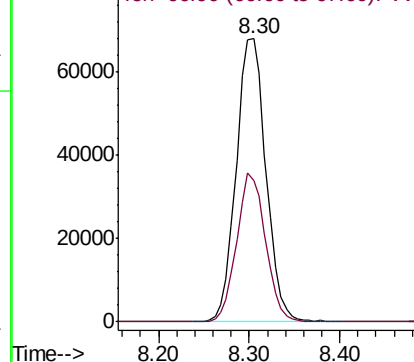
Acq: 17 Sep 2019 15:38

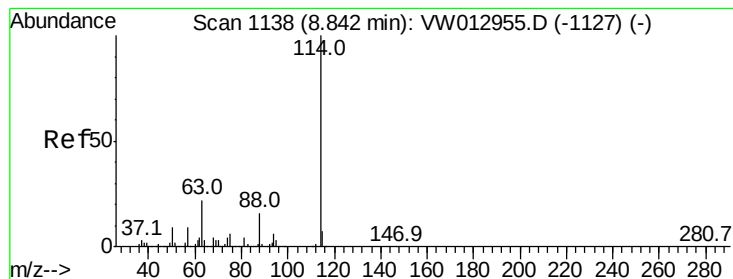
Tgt Ion: 65 Resp: 154429

Ion	Ratio	Lower	Upper
65	100		
67	51.0	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: VW013091.D

Acq: 17 Sep 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

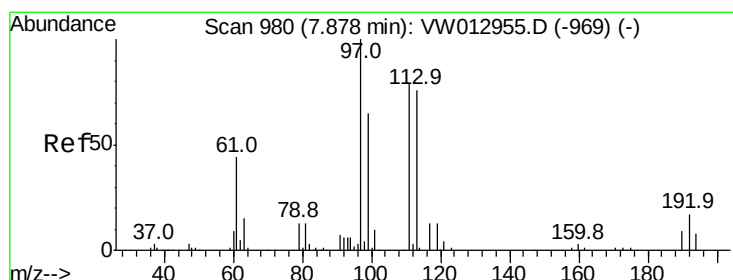
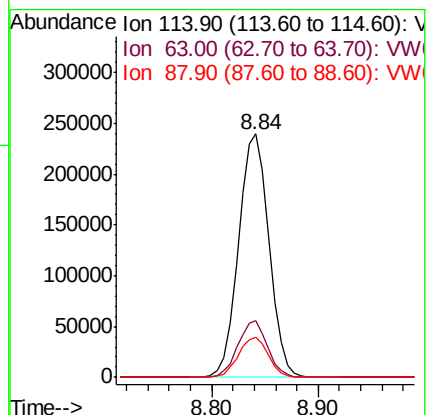
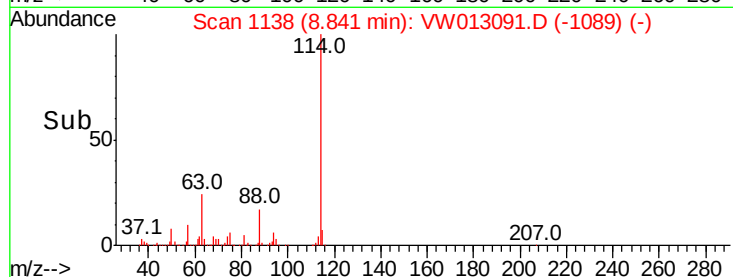
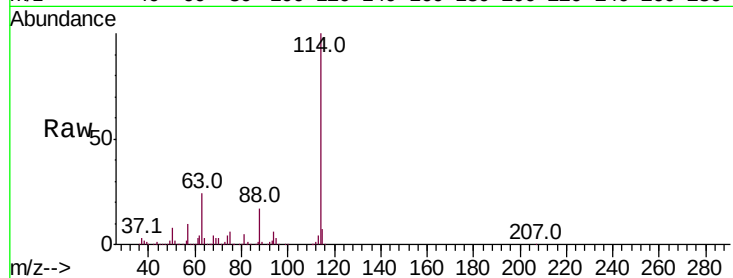
Tot Ion:114 Resp: 481325

Ion Ratio Lower Upper

114 100

63 23.5 0.0 43.4

88 16.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 51.472 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013091.D

Acq: 17 Sep 2019 15:38

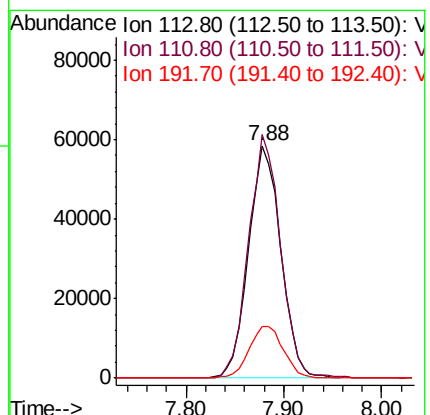
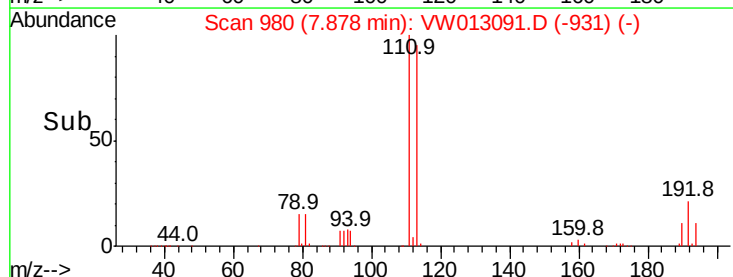
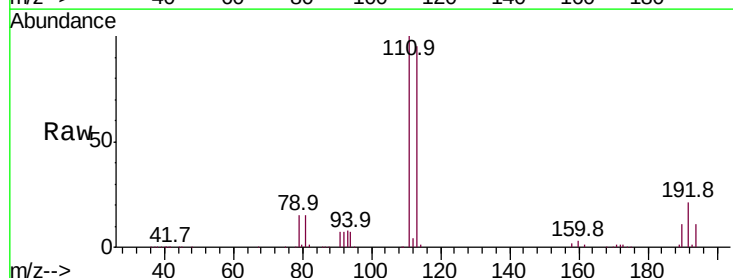
Tgt Ion:113 Resp: 134430

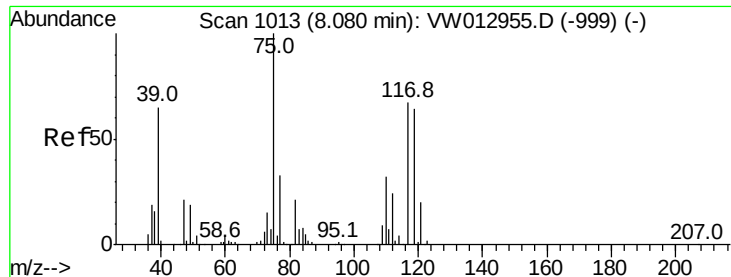
Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

192 23.4 17.8 26.8





#36

1,1-Dichloropropene

Concen: 6.334 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013091.D

Acq: 17 Sep 2019 15:38

Instrument :

MSVOA_W

ClientSampled :

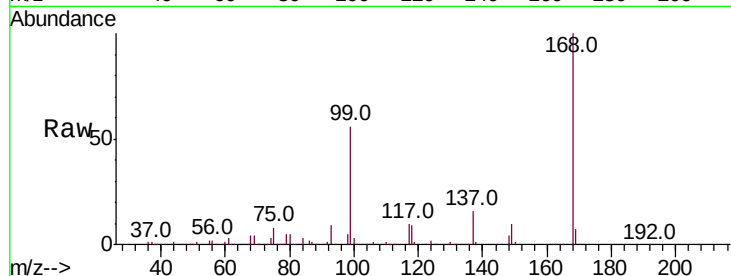
Tot Ion: 75 Resp: 24363

Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.1#

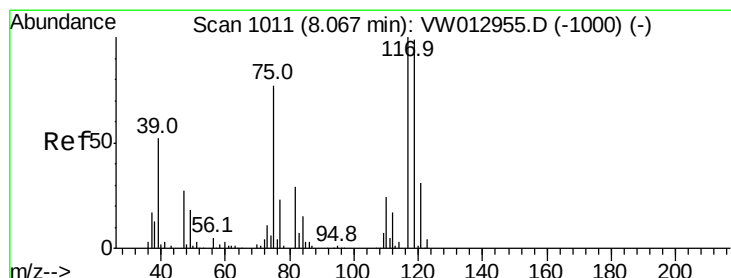
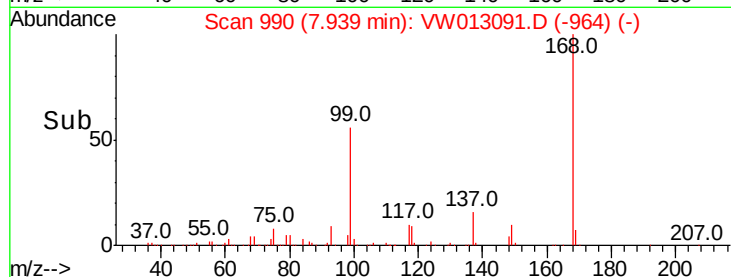
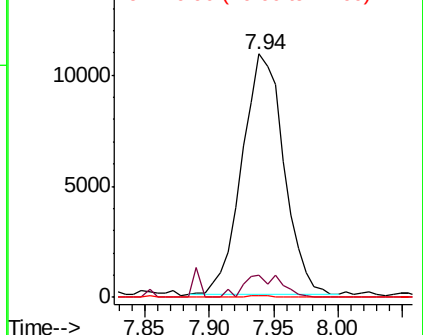
77 0.2 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 7.612 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013091.D

Acq: 17 Sep 2019 15:38

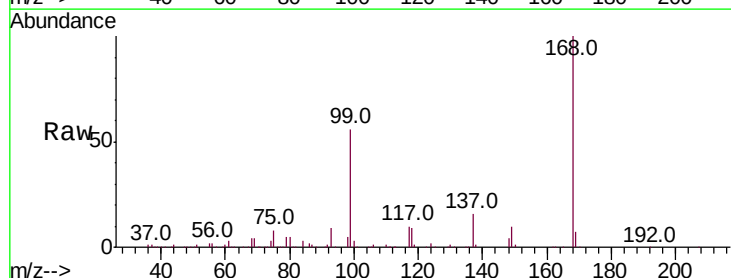
Tgt Ion: 117 Resp: 30002

Ion Ratio Lower Upper

117 100

119 6.1 79.4 119.0#

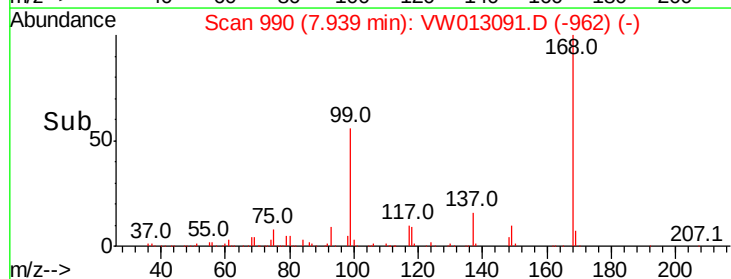
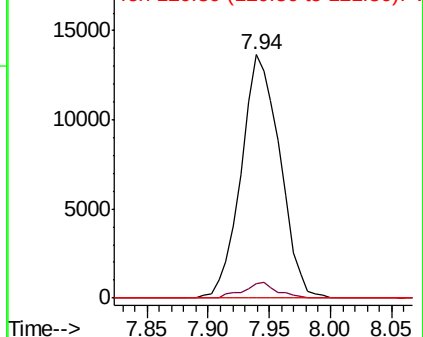
121 0.0 24.6 36.8#

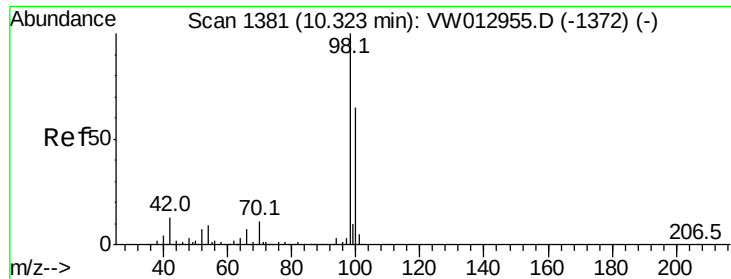


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

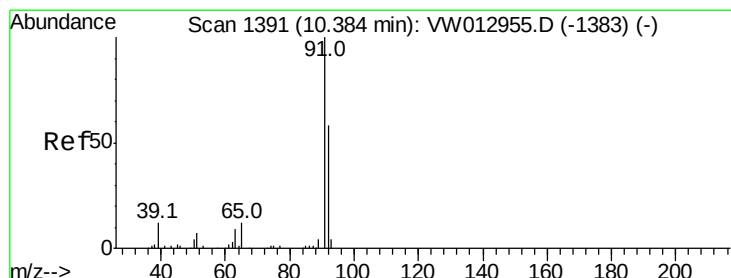
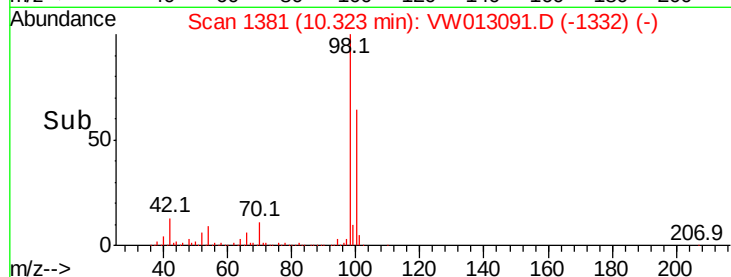
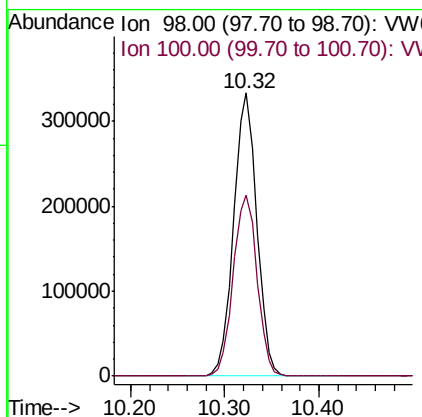
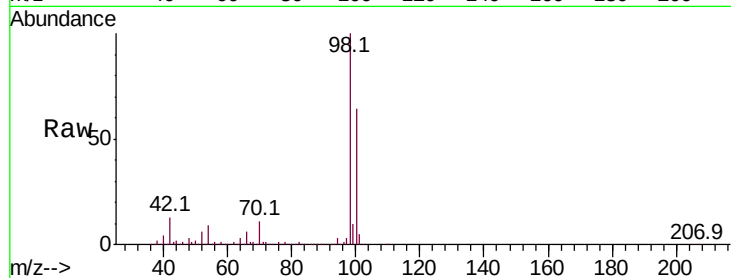




#50
Toluene-d8
Concen: 55.648 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013091.D
Acq: 17 Sep 2019 15:38

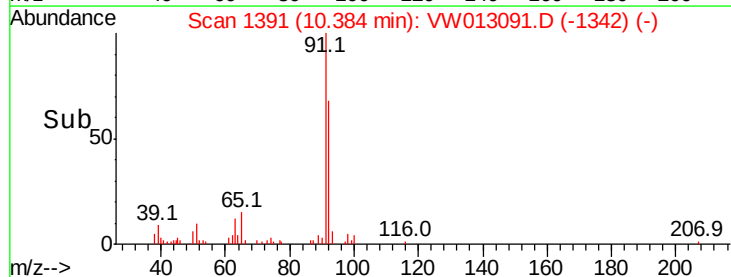
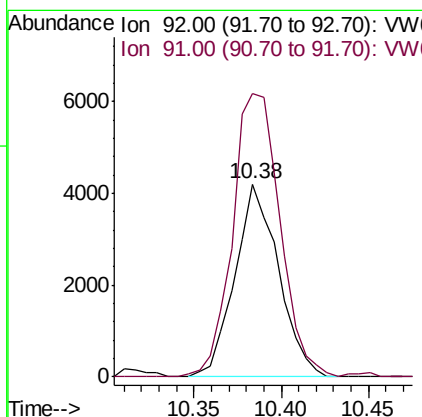
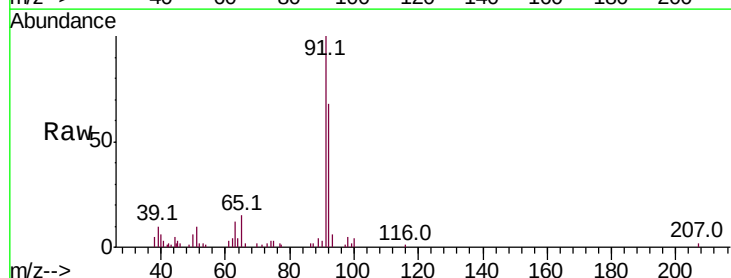
Instrument :
MSVOA_W
ClientSampleId :

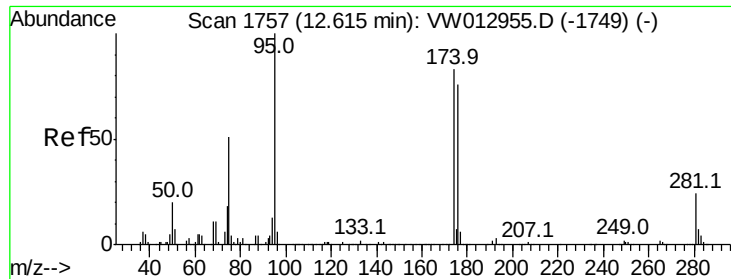
Tot Ion: 98 Resp: 568718
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1



#52
Toluene
Concen: 1.068 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013091.D
Acq: 17 Sep 2019 15:38

Tgt Ion: 92 Resp: 7288
Ion Ratio Lower Upper
92 100
91 160.3 137.5 206.3

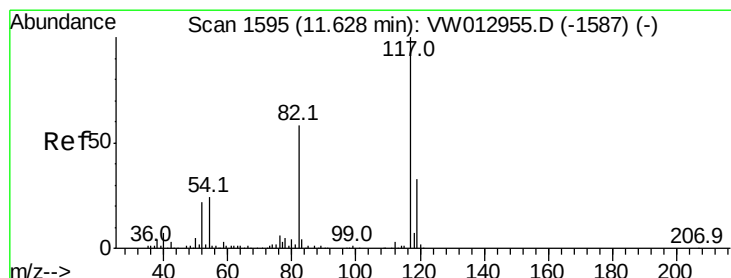
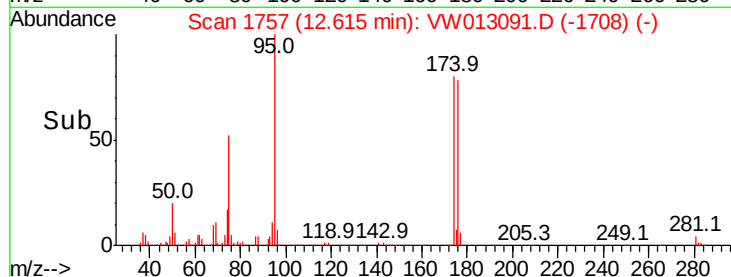
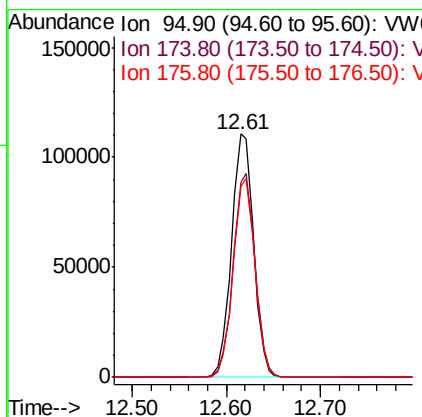
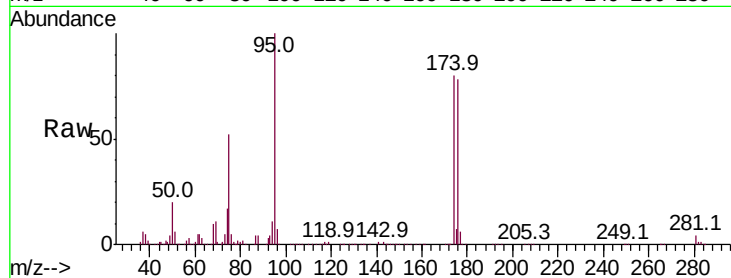




#62
4-Bromofluorobenzene
Concen: 48.969 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013091.D
Acq: 17 Sep 2019 15:38

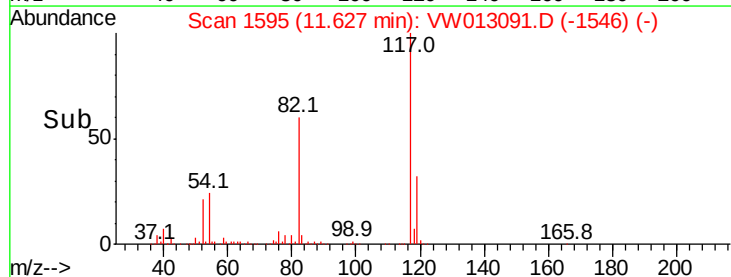
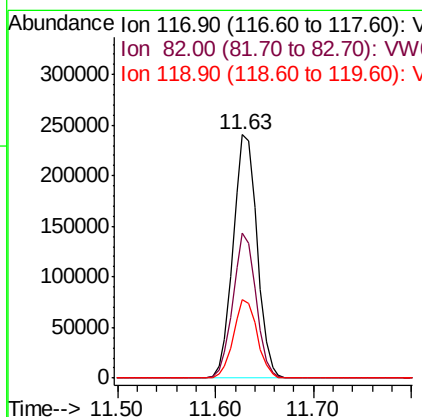
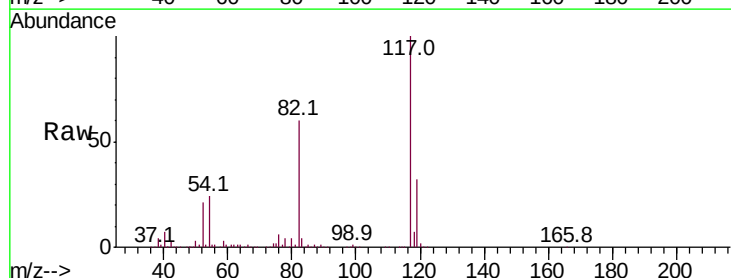
Instrument :
MSVOA_W
ClientSampleId :

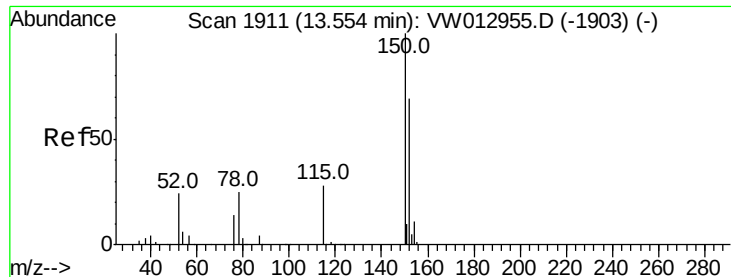
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	170.4
176	81.1	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013091.D
Acq: 17 Sep 2019 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.3	69.5
119	32.2	26.2	39.4



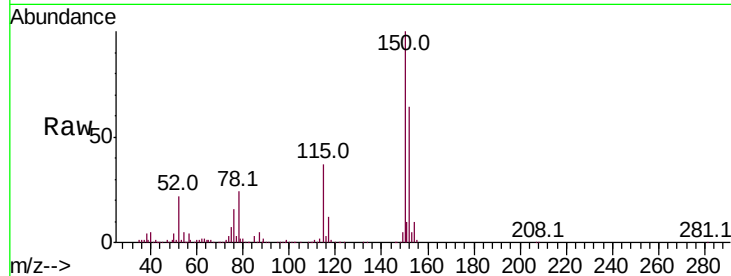


#72

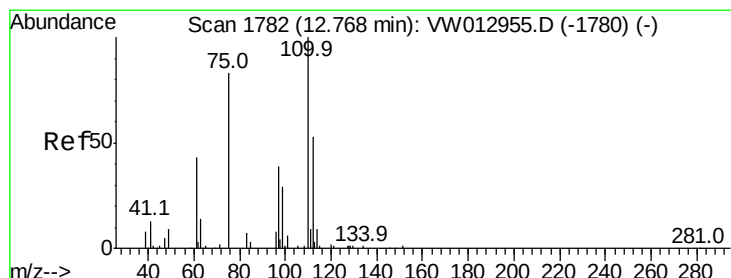
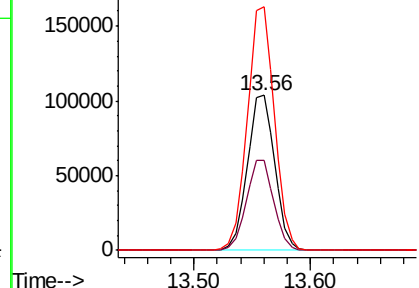
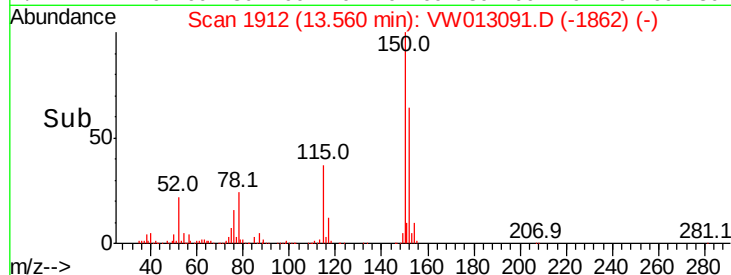
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013091.D
Acq: 17 Sep 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 170758
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.4
150 155.3 0.0 340.2



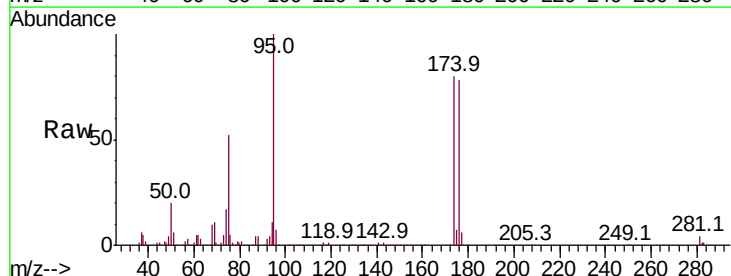
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



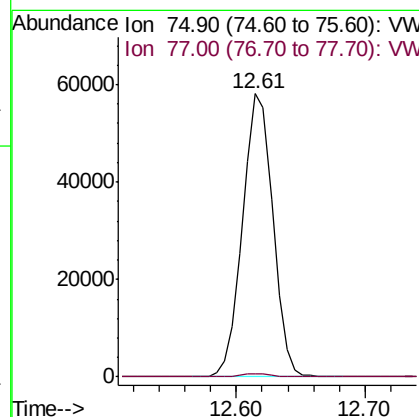
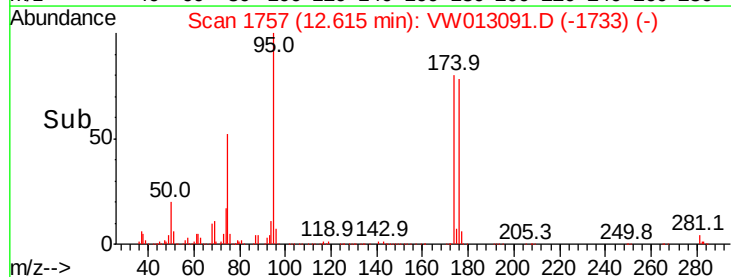
#76

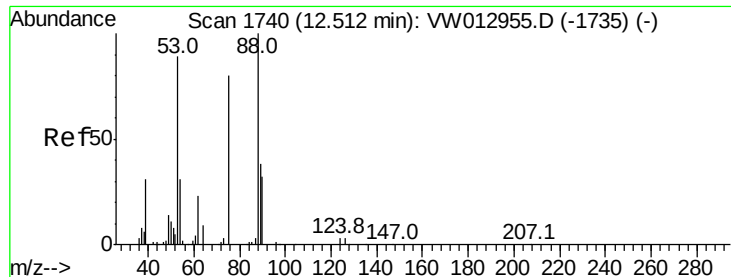
1,2,3-Trichloropropane
Concen: 63.228 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013091.D
Acq: 17 Sep 2019 15:38

Tgt Ion: 75 Resp: 94571
Ion Ratio Lower Upper
75 100
77 1.2 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: 143.432 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013091.D

Acq: 17 Sep 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 94571

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.0 37.2 55.8#

