

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013036.D
 Acq On : 16 Sep 2019 12:58
 Operator : SY/VA
 Sample : K4857-14
 Misc : 4.46G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 13:34:45 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	293829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	433495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124355	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	148261	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
35) Dibromofluoromethane	7.88	113	127976	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
50) Toluene-d8	10.32	98	511541	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	
62) 4-Bromofluorobenzene	12.62	95	147760	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	

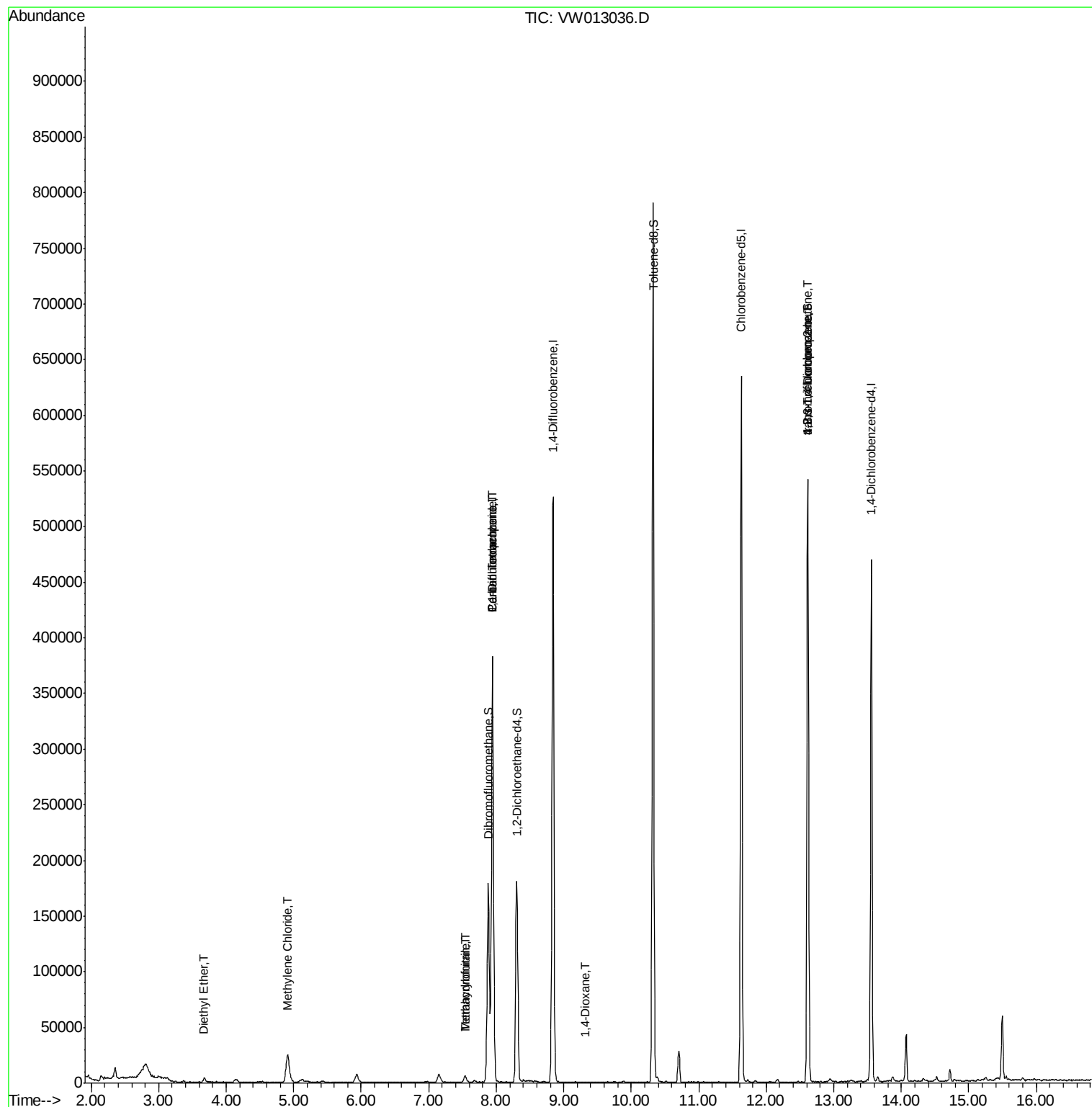
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.94	85	27	Below Cal	#	11
3) Chloromethane	2.20	50	306	Below Cal	#	41
8) Diethyl Ether	3.67	74	1785	1.554	ug/l	60
11) Tert butyl alcohol	5.18	59	277	Below Cal	#	72
13) Acrolein	3.79	56	23	Below Cal	#	15
16) Acetone	4.15	43	5203	Below Cal		99
20) Methylene Chloride	4.91	84	19824	4.302	ug/l #	91
26) 2,2-Dichloropropane	7.14	77	718	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	5286	10.751	ug/l	99
31) Cyclohexane	7.95	56	5910	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	20992	6.060	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27604	7.776	ug/l #	14
41) Methacrylonitrile	7.53	41	3290	2.717	ug/l #	53
49) 1,4-Dioxane	9.31	88	27	1.309	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	75717	69.513	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75717	157.689	ug/l #	7

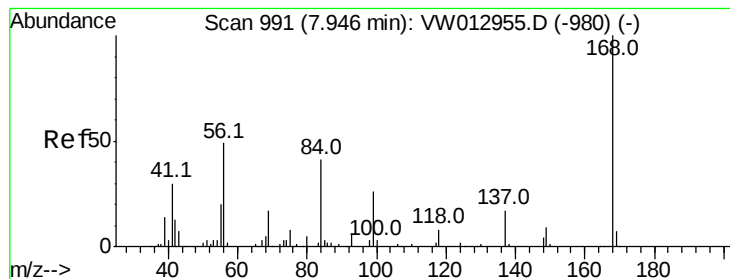
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013036.D

Acq: 16 Sep 2019 12:58

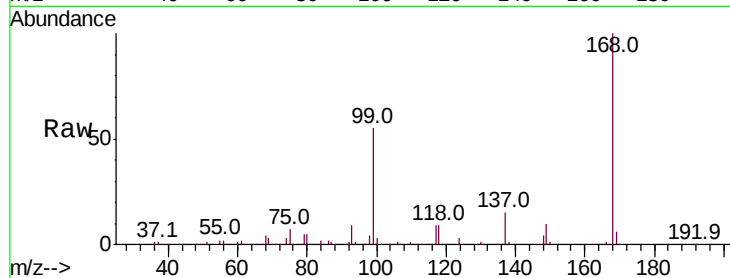
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 293829

Ion Ratio Lower Upper

168 100

99 54.7 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

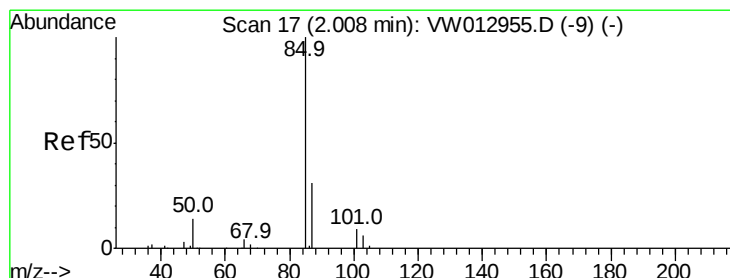
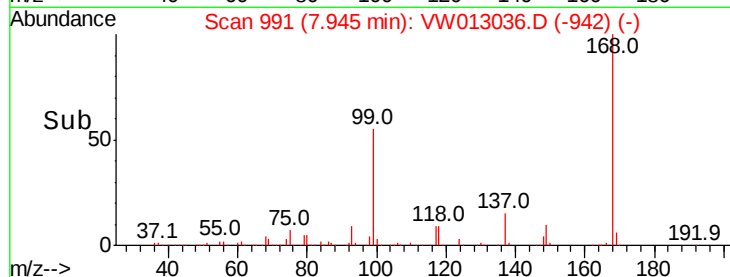
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.94 min Scan# 6

Delta R.T. -0.07 min

Lab File: VW013036.D

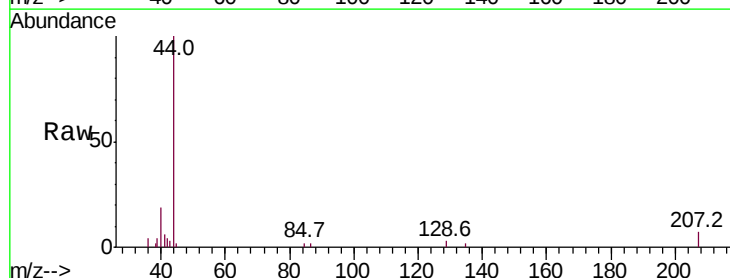
Acq: 16 Sep 2019 12:58

Tgt Ion: 85 Resp: 27

Ion Ratio Lower Upper

85 100

87 79.7 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1.94

80

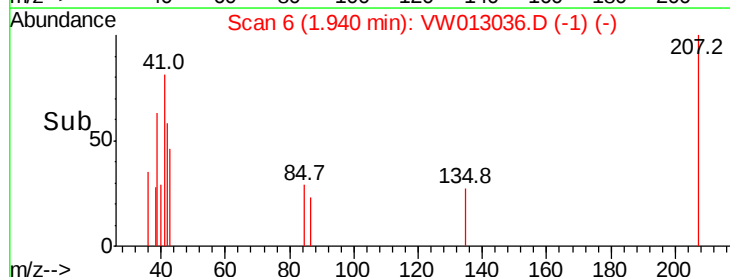
60

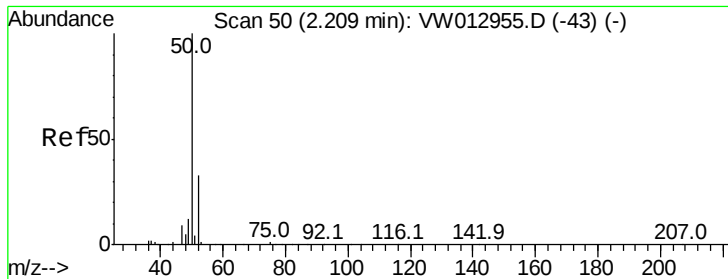
40

20

0

Time--> 1.92 1.93 1.94 1.95 1.96





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013036.D

Acq: 16 Sep 2019 12:58

Instrument :

MSVOA_W

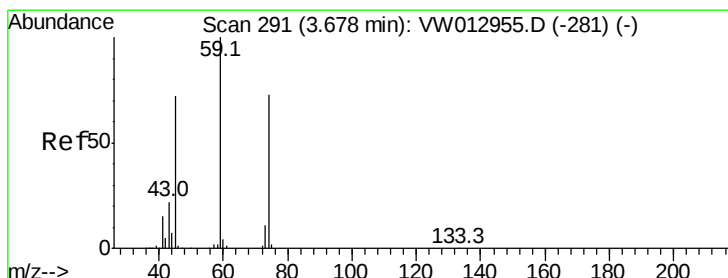
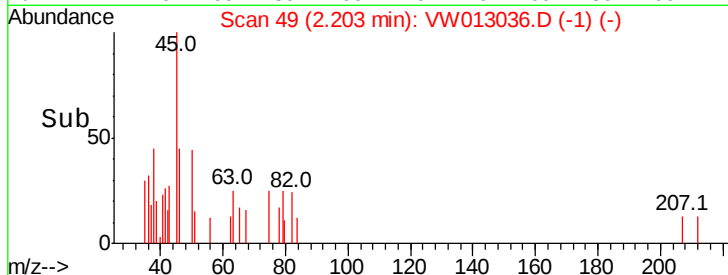
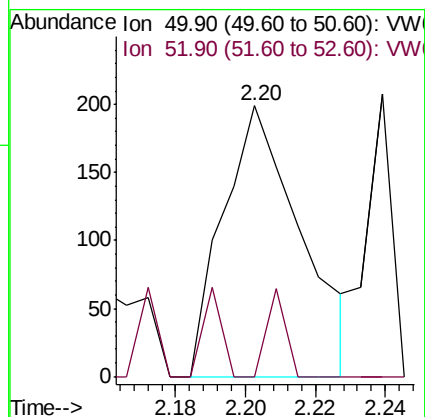
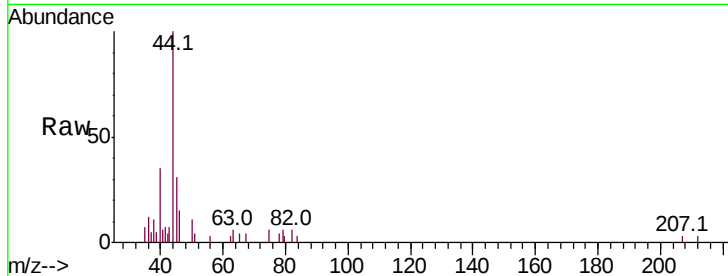
ClientSampleId :

Tot Ion: 50 Resp: 306

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#8

Diethyl Ether

Concen: 1.554 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW013036.D

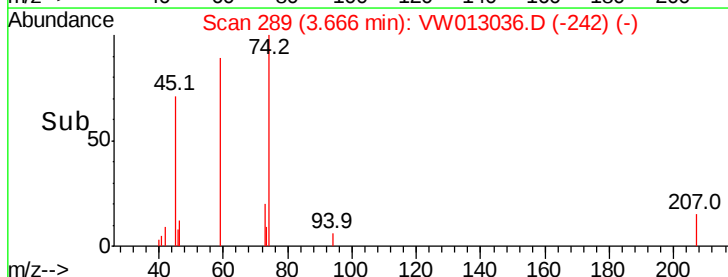
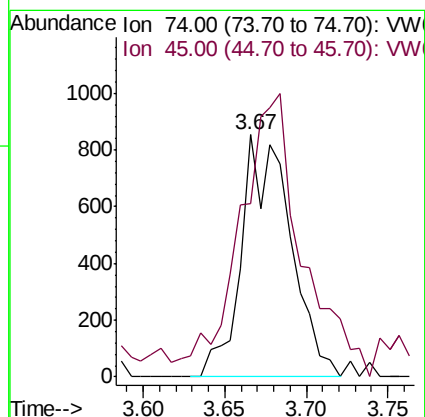
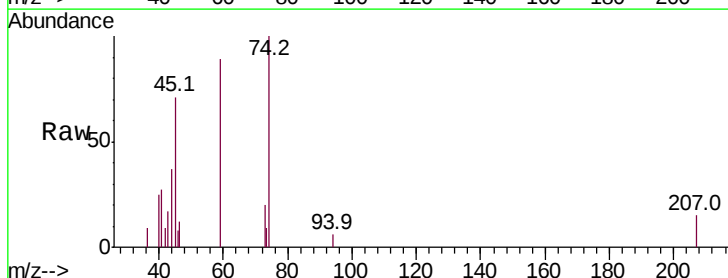
Acq: 16 Sep 2019 12:58

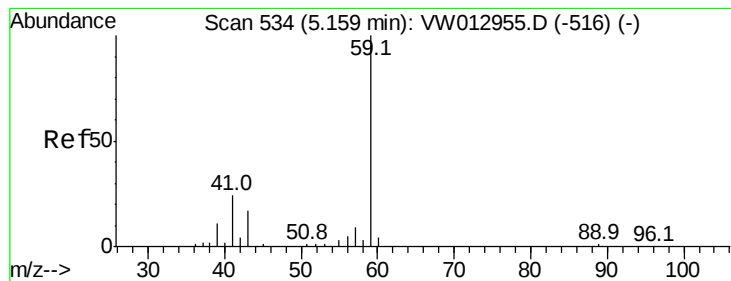
Tgt Ion: 74 Resp: 1785

Ion Ratio Lower Upper

74 100

45 148.9 53.8 161.4



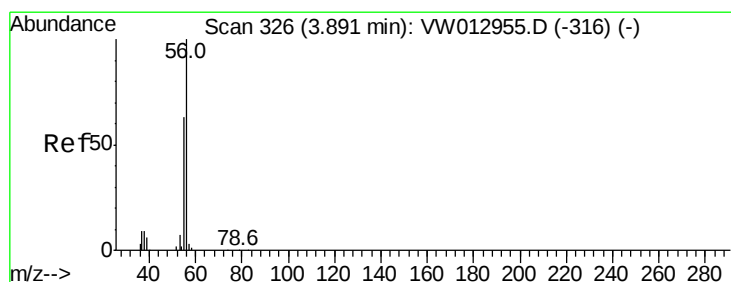
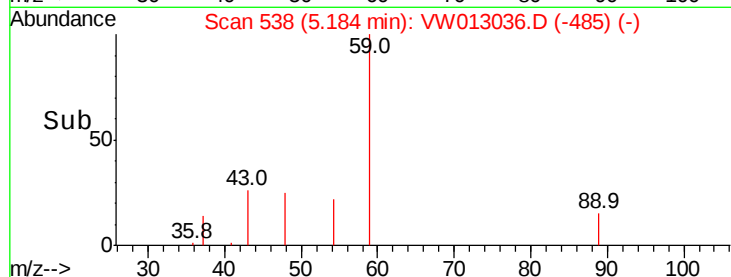
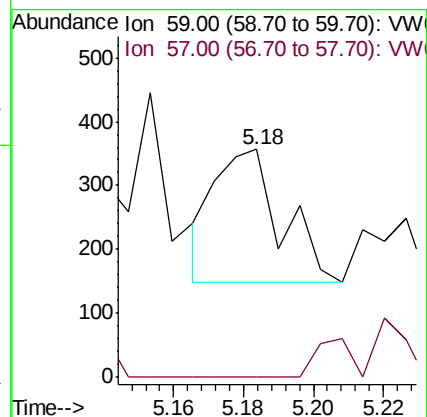
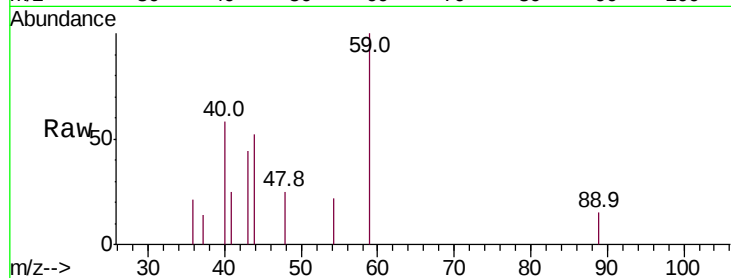


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW013036.D
 Acq: 16 Sep 2019 12:58

Instrument :
 MSVOA_W
 ClientSampled :

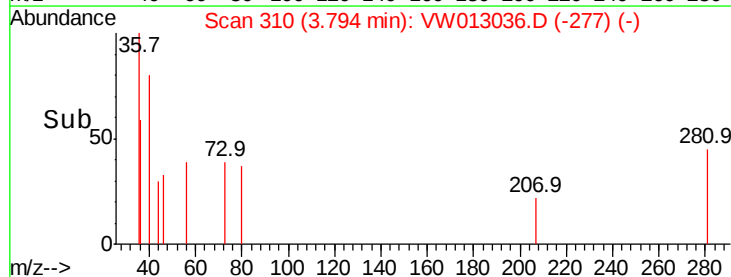
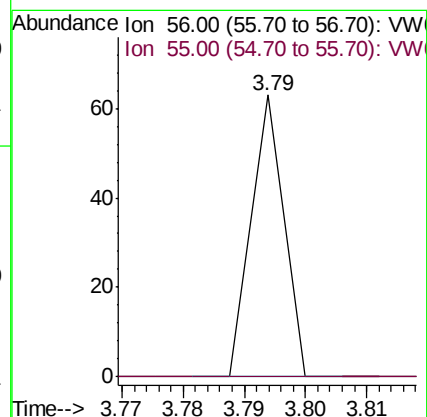
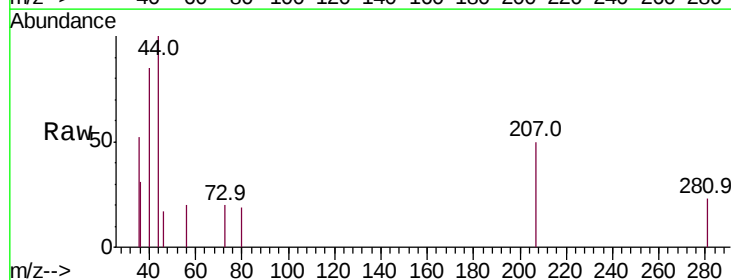
Tot Ion: 59 Resp: 277
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

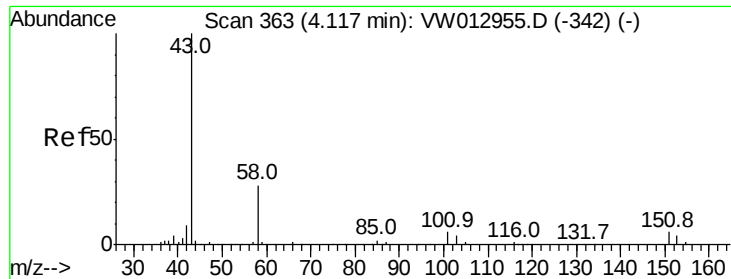


#13

Acrolein
 Concen: Below Cal
 RT: 3.79 min Scan# 310
 Delta R.T. -0.10 min
 Lab File: VW013036.D
 Acq: 16 Sep 2019 12:58

Tgt Ion: 56 Resp: 23
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#

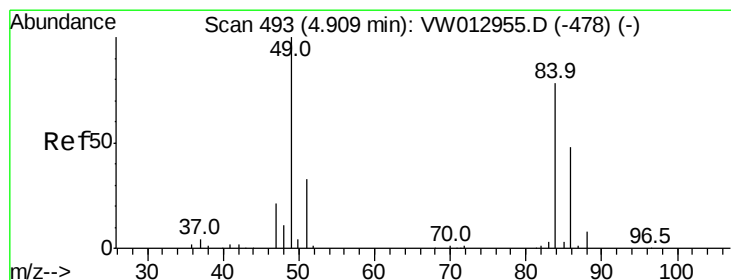
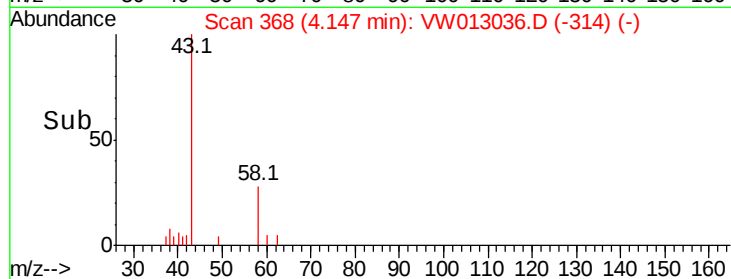
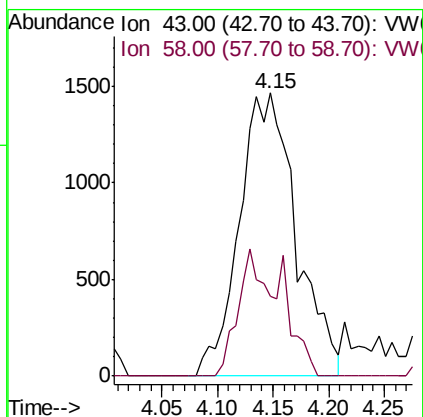
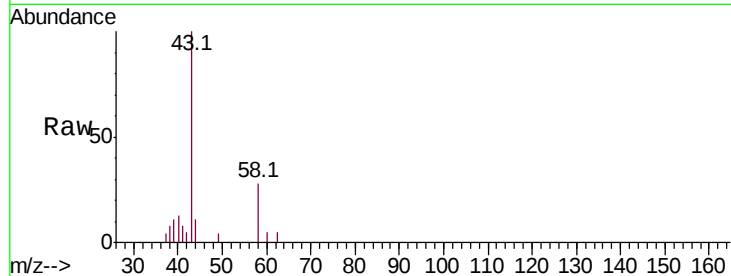




#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 368
Delta R.T. 0.03 min
Lab File: VW013036.D
Acq: 16 Sep 2019 12:58

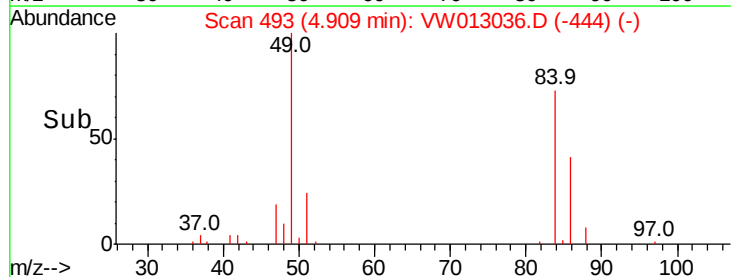
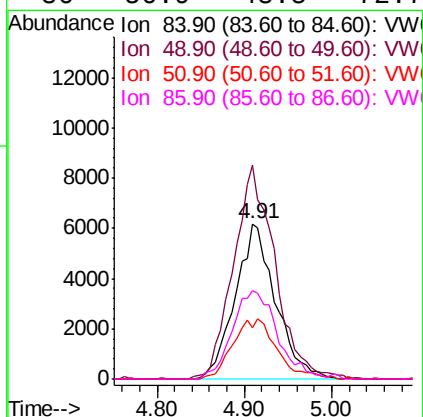
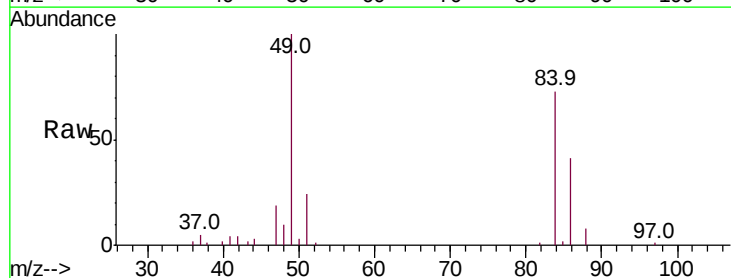
Instrument :
MSVOA_W
ClientSampled :

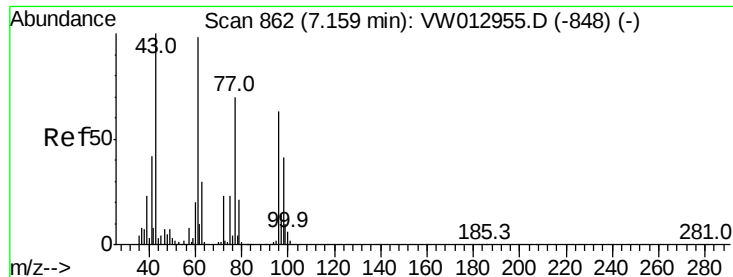
Tot Ion: 43 Resp: 5203
Ion Ratio Lower Upper
43 100
58 28.4 22.3 33.5



#20
Methylene Chloride
Concen: 4.302 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013036.D
Acq: 16 Sep 2019 12:58

Tgt Ion: 84 Resp: 19824
Ion Ratio Lower Upper
84 100
49 137.8 102.0 153.0
51 32.8 34.0 51.0#
86 56.9 48.5 72.7

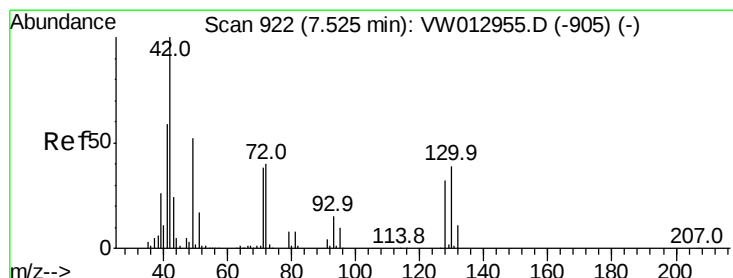
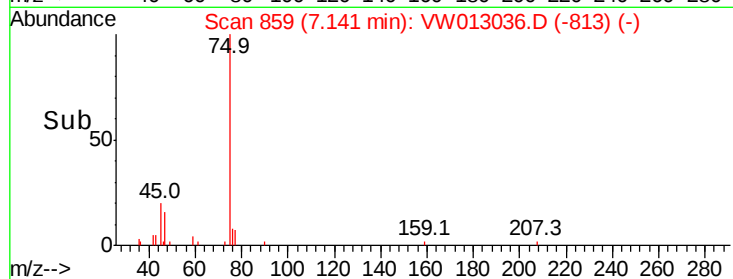
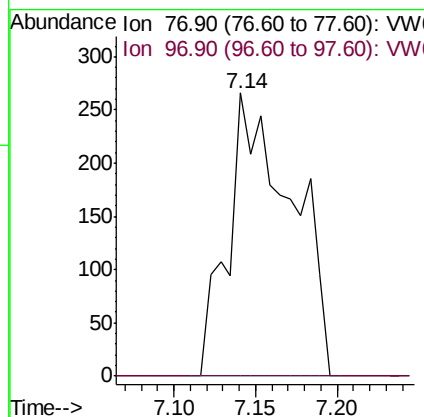
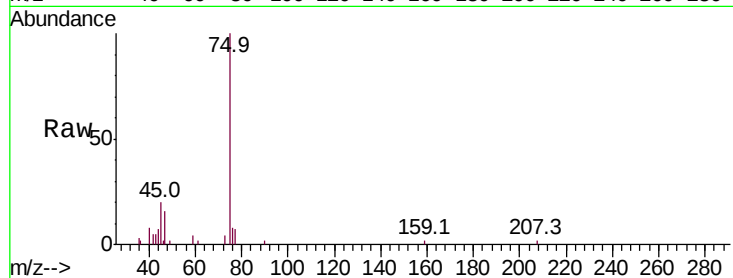




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW013036.D
 Acq: 16 Sep 2019 12:58

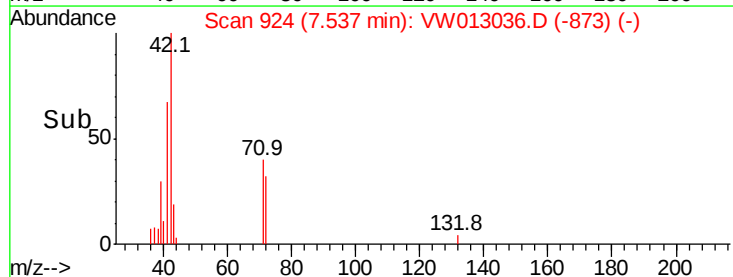
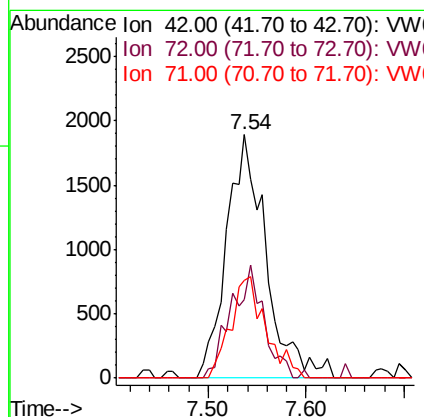
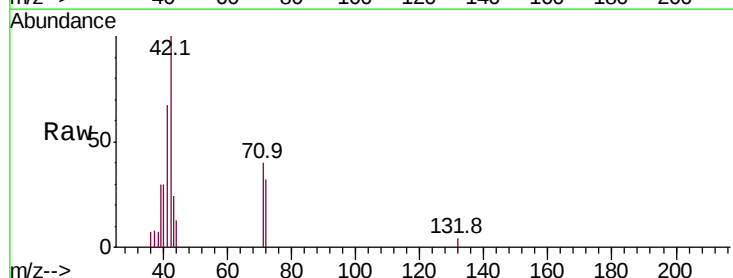
Instrument :
 MSVOA_W
 ClientSampled :

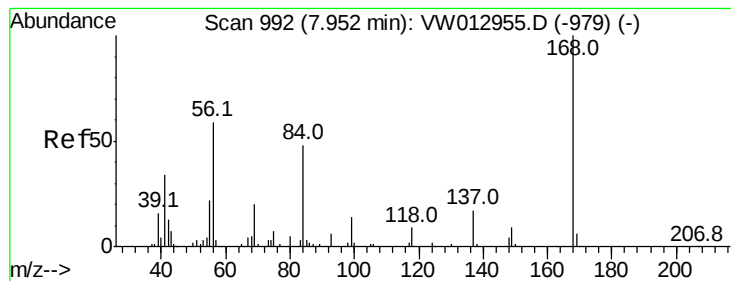
Tot Ion: 77 Resp: 718
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 10.751 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW013036.D
 Acq: 16 Sep 2019 12:58

Tgt Ion: 42 Resp: 5286
 Ion Ratio Lower Upper
 42 100
 72 38.3 31.4 47.0
 71 37.2 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

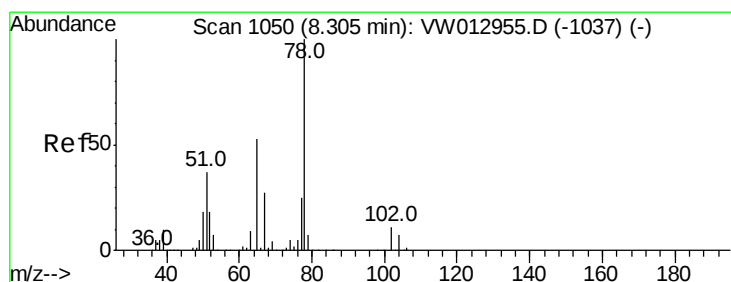
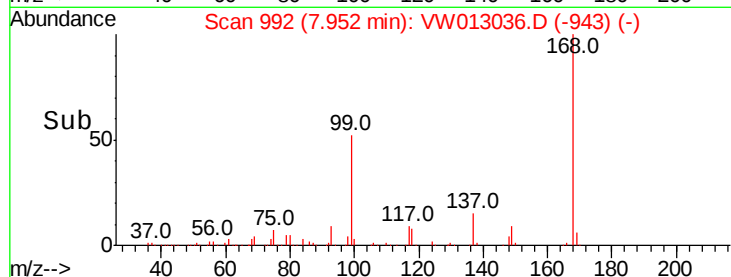
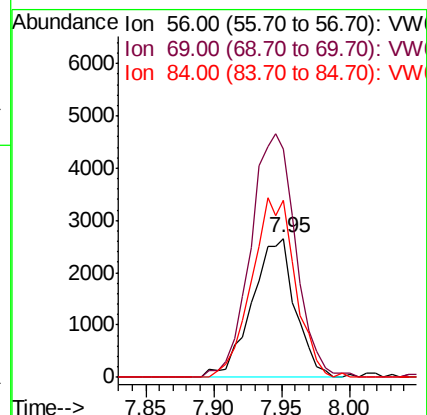
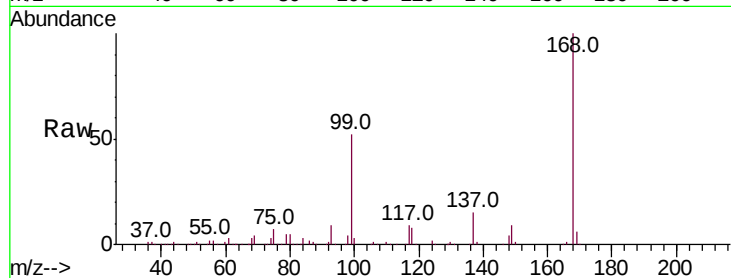
Lab File: VW013036.D

Acq: 16 Sep 2019 12:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5910

Ion	Ratio	Lower	Upper
56	100		
69	164.6	27.0	40.6#
84	127.0	66.2	99.2#



#33

1,2-Dichloroethane-d4

Concen: 54.634 ug/l

RT: 8.31 min Scan# 1050

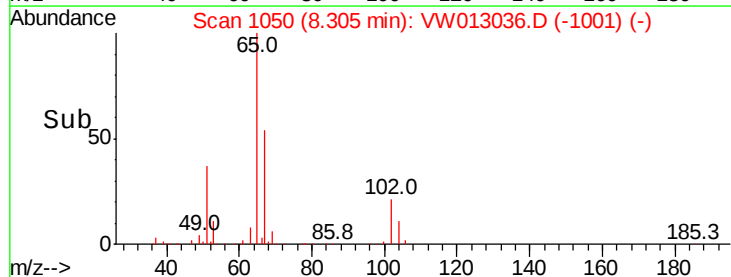
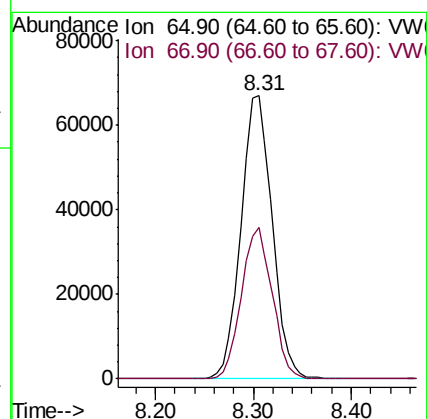
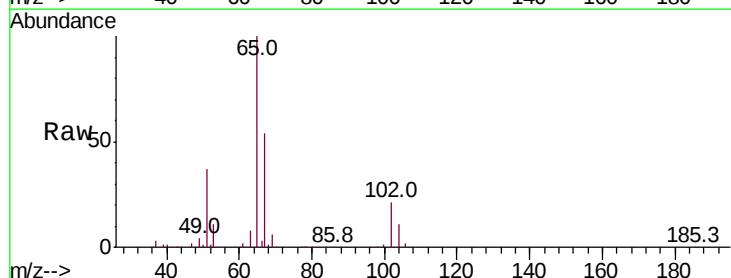
Delta R.T. -0.00 min

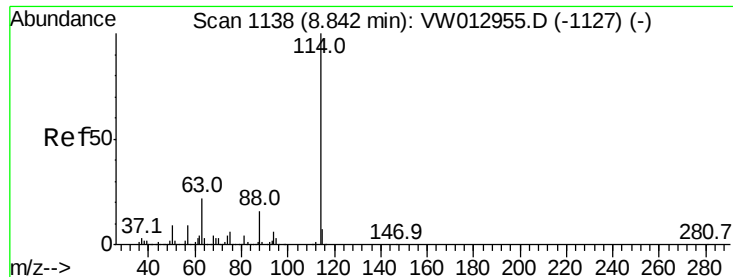
Lab File: VW013036.D

Acq: 16 Sep 2019 12:58

Tgt Ion: 65 Resp: 148261

Ion	Ratio	Lower	Upper
65	100		
67	52.8	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: VW013036.D

Acq: 16 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

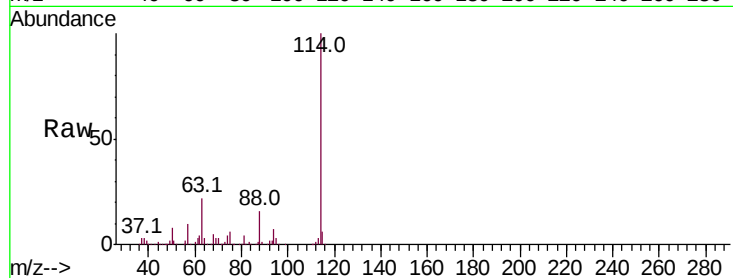
Tot Ion:114 Resp: 433495

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

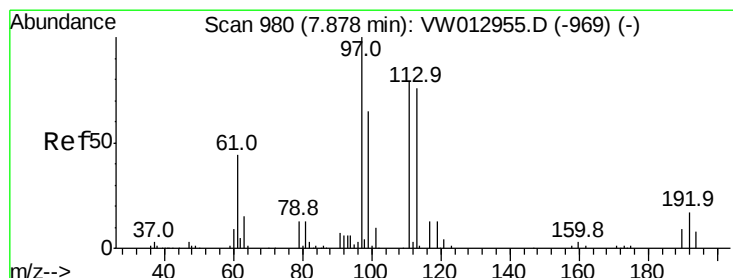
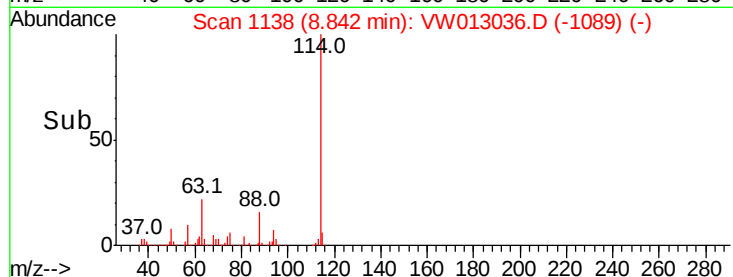
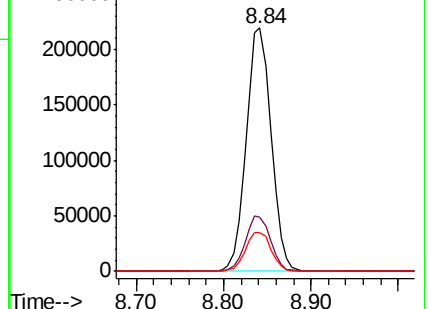
88 16.2 0.0 31.6



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: 54.407 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013036.D

Acq: 16 Sep 2019 12:58

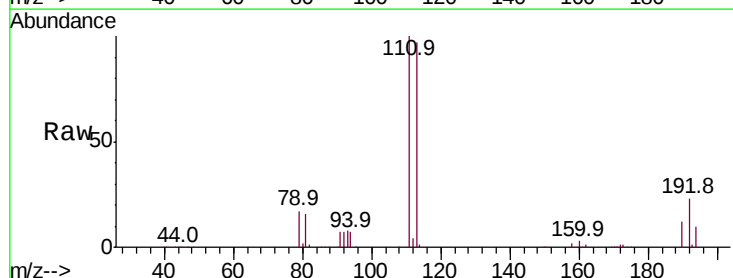
Tgt Ion:113 Resp: 127976

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

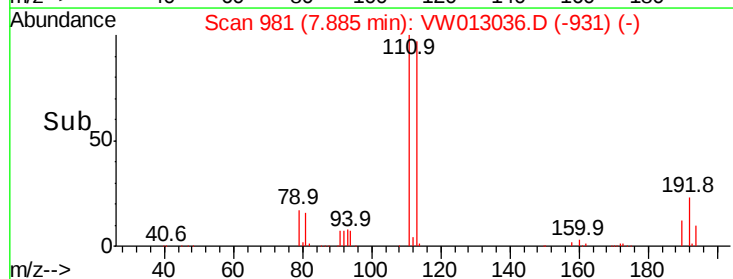
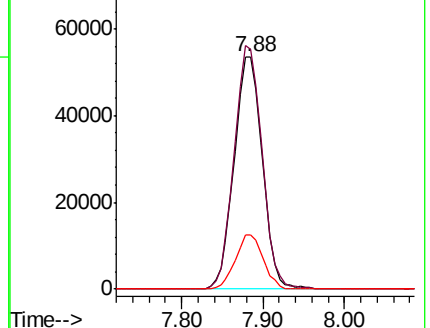
192 23.0 17.8 26.8

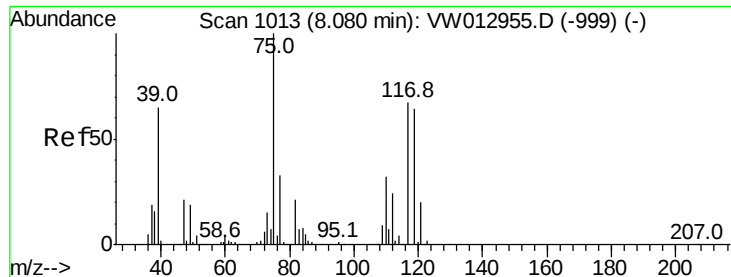


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

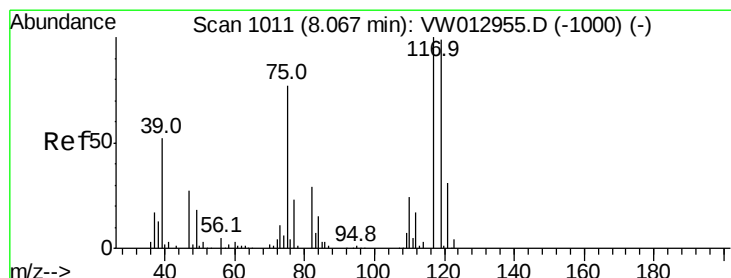
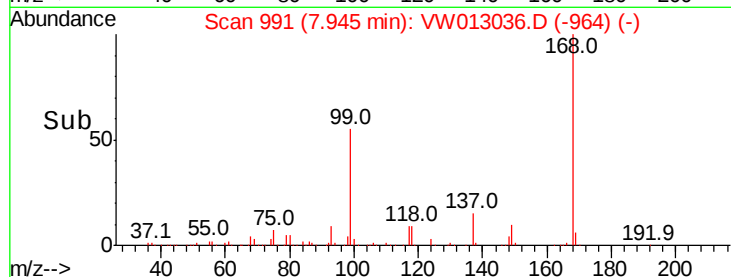
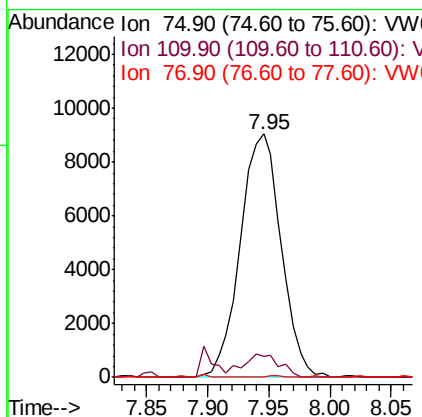
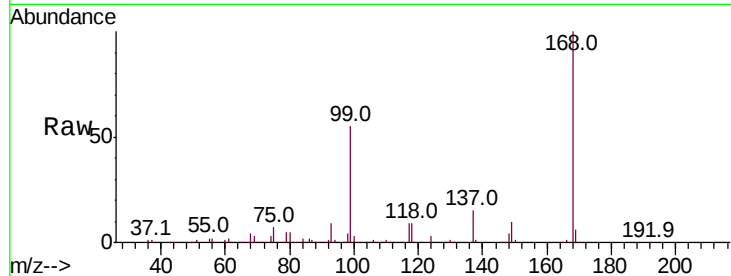




#36
 1,1-Dichloropropene
 Concen: 6.060 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013036.D
 Acq: 16 Sep 2019 12:58

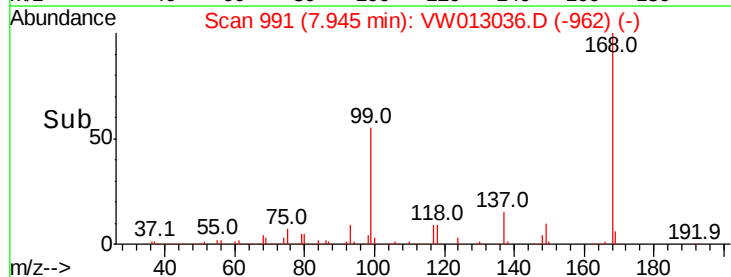
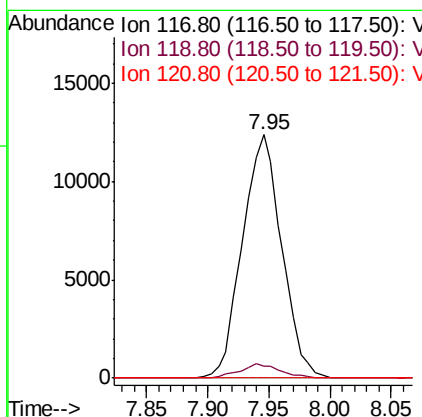
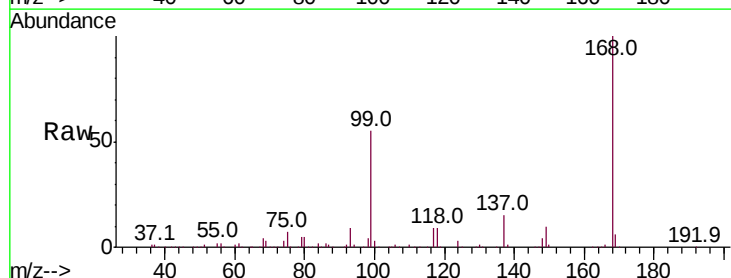
Instrument :
 MSVOA_W
 ClientSampled :

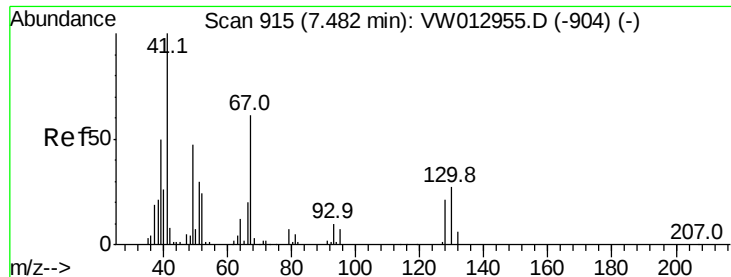
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.4	49.1#
77	0.2	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 7.776 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013036.D
 Acq: 16 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	79.4	119.0#
121	0.0	24.6	36.8#

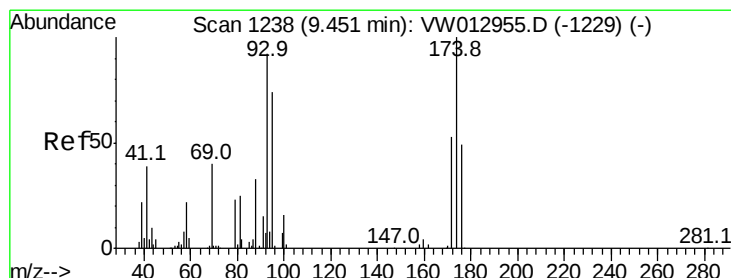
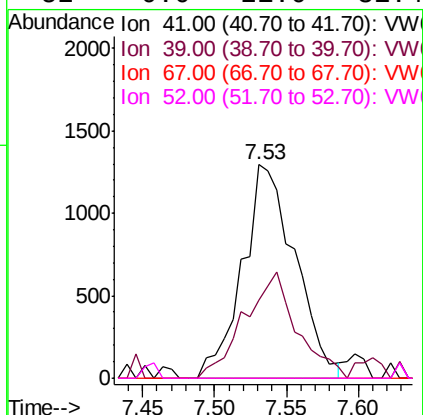
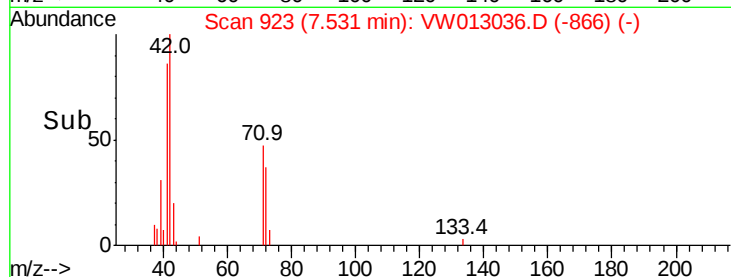
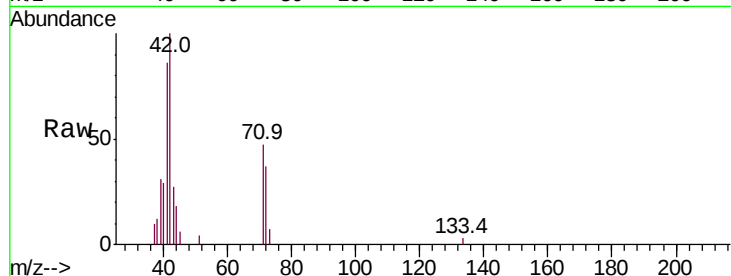




#41
Methacrylonitrile
Concen: 2.717 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW013036.D
Acq: 16 Sep 2019 12:58

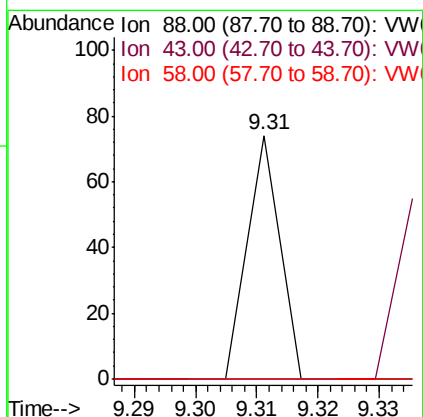
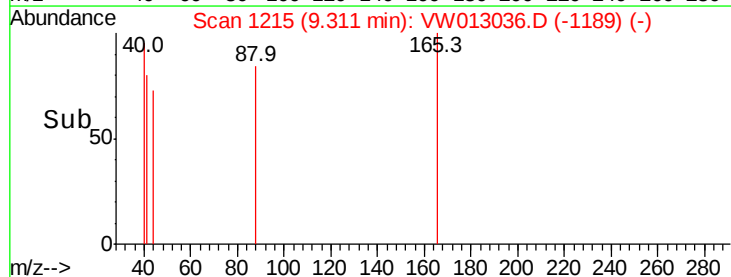
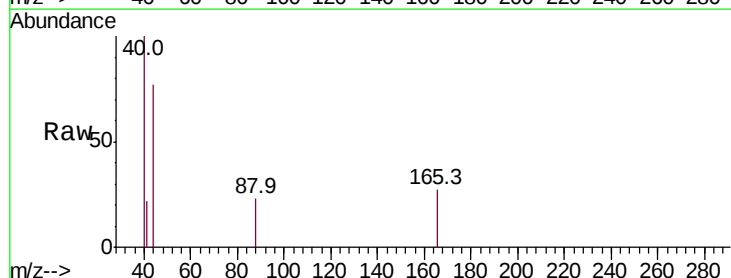
Instrument :
MSVOA_W
ClientSampleId :

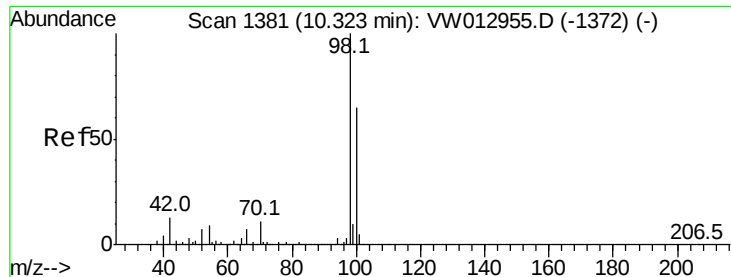
Tot Ion: 41 Resp: 3290
Ion Ratio Lower Upper
41 100
39 49.7 48.2 72.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.4#



#49
1,4-Dioxane
Concen: 1.309 ug/l
RT: 9.31 min Scan# 1215
Delta R.T. -0.14 min
Lab File: VW013036.D
Acq: 16 Sep 2019 12:58

Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 0.0 31.3 46.9#
58 0.0 60.2 90.2#





#50

Toluene-d8

Concen: 55.576 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013036.D

Acq: 16 Sep 2019 12:58

Instrument :

MSVOA_W

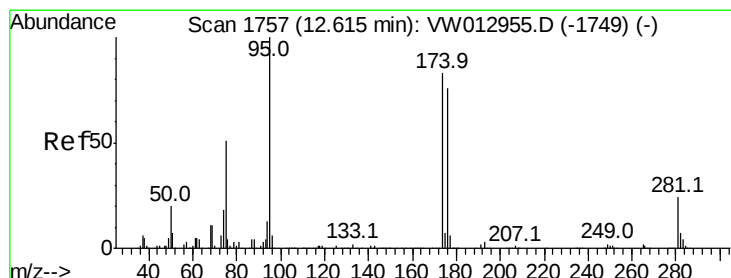
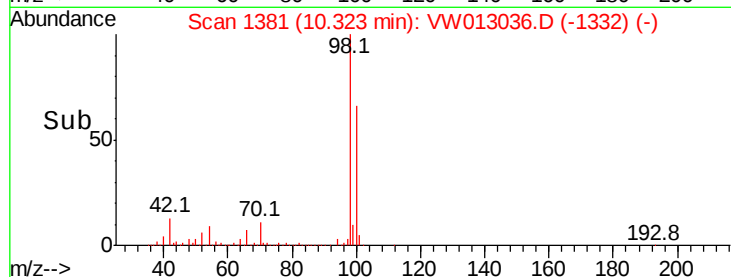
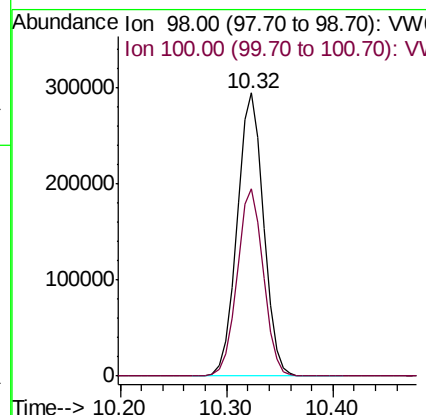
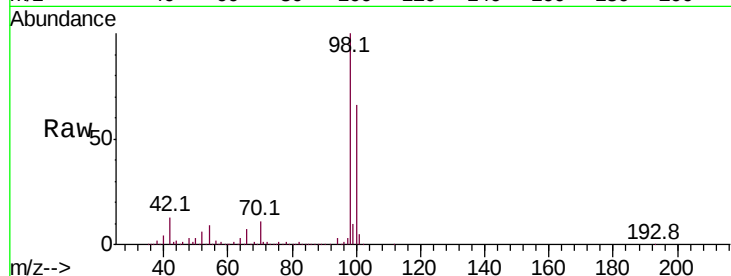
ClientSampleId :

Tot Ion: 98 Resp: 511541

Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 44.644 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013036.D

Acq: 16 Sep 2019 12:58

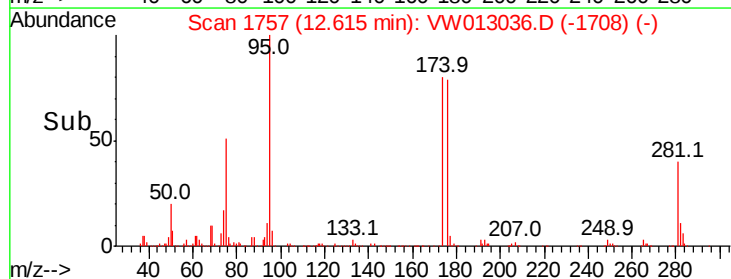
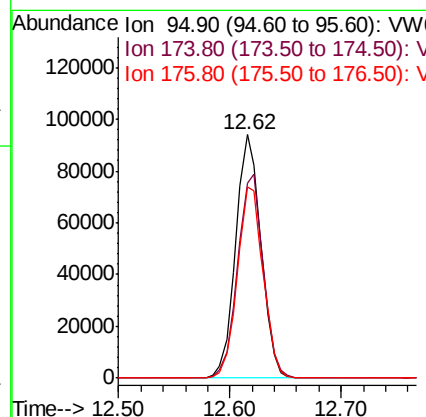
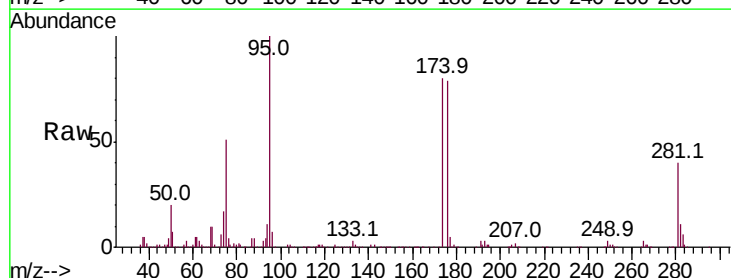
Tgt Ion: 95 Resp: 147760

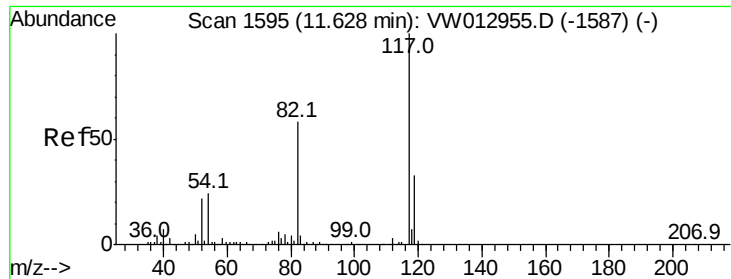
Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.4

176 80.1 0.0 164.6

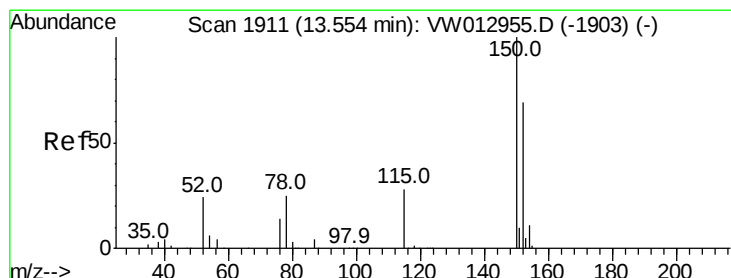
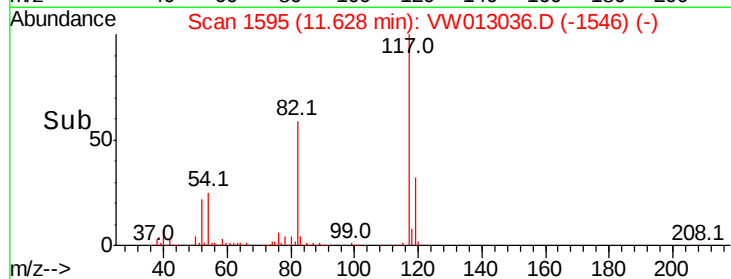
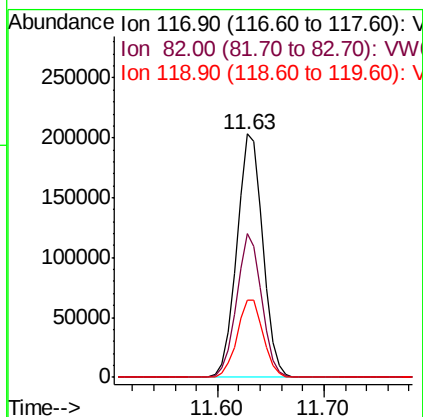
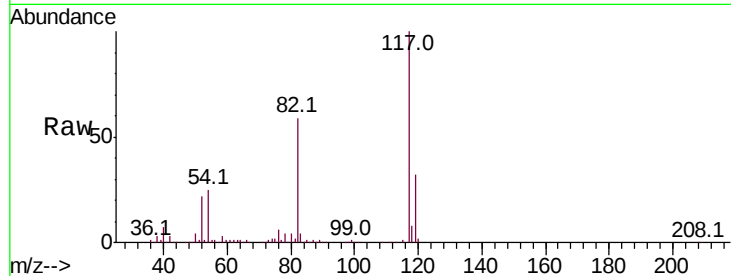




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013036.D
Acq: 16 Sep 2019 12:58

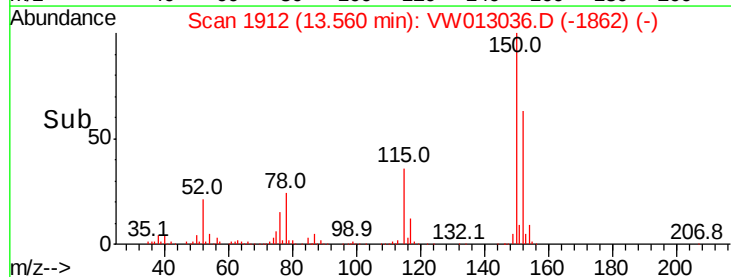
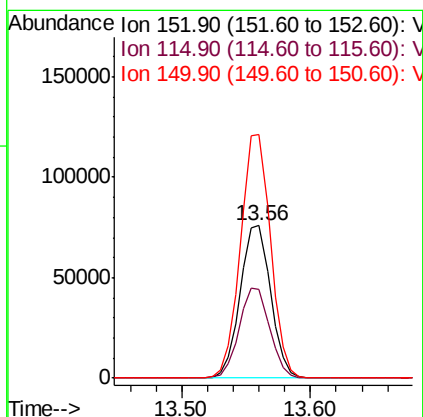
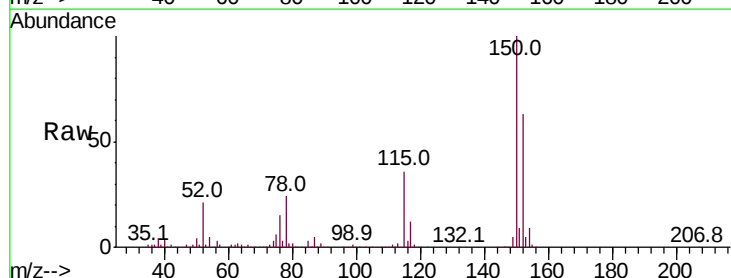
Instrument :
MSVOA_W
ClientSampleId :

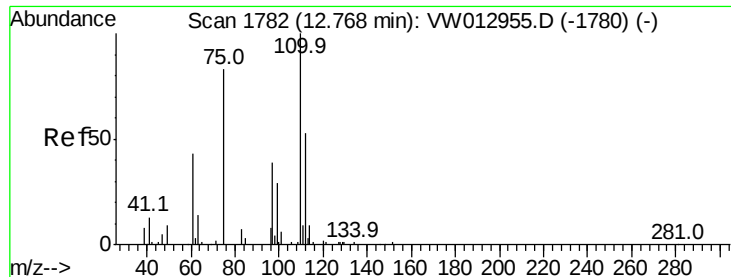
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.3	69.5
119	31.9	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013036.D
Acq: 16 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.8	86.4
150	157.6	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 69.513 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013036.D

Acq: 16 Sep 2019 12:58

Instrument :

MSVOA_W

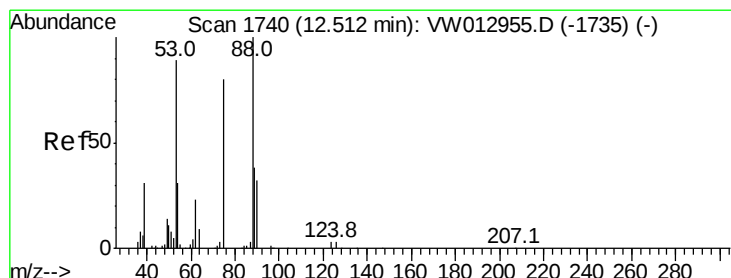
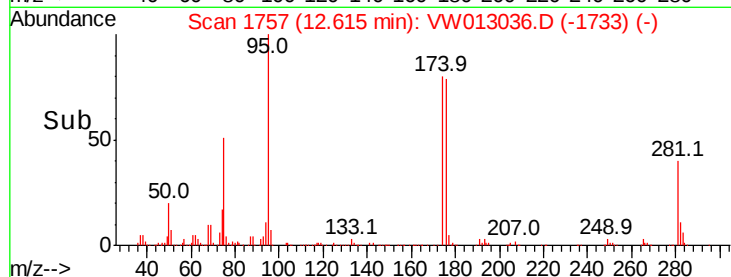
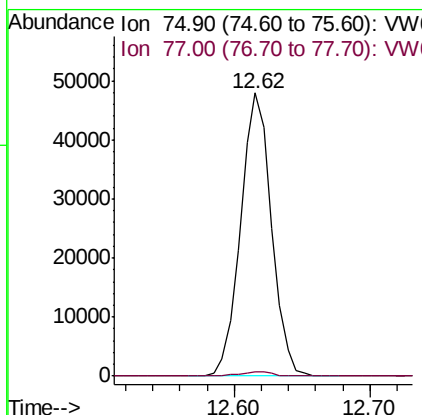
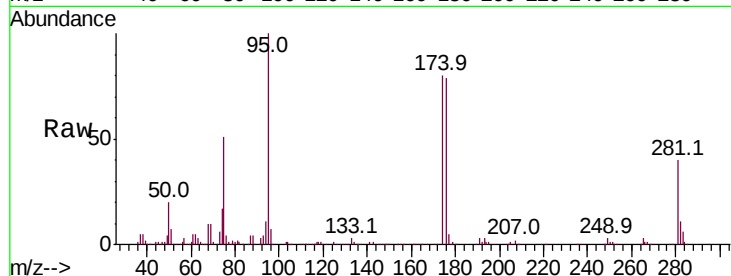
ClientSampled :

Tot Ion: 75 Resp: 75717

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.689 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013036.D

Acq: 16 Sep 2019 12:58

Tgt Ion: 75 Resp: 75717

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.5 37.2 55.8#

