

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013003.D
 Acq On : 14 Sep 2019 19:22
 Operator : SY/VA
 Sample : K4822-04
 Misc : 5.55G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:54:38 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	285533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	378050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	171144	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	147655	55.99	ug/l	0.00
Spiked Amount			Recovery	=	111.98%	
35) Dibromofluoromethane	7.88	113	125217	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	10.32	98	516484	56.52	ug/l	0.00
Spiked Amount			Recovery	=	113.04%	
62) 4-Bromofluorobenzene	12.62	95	177948	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	

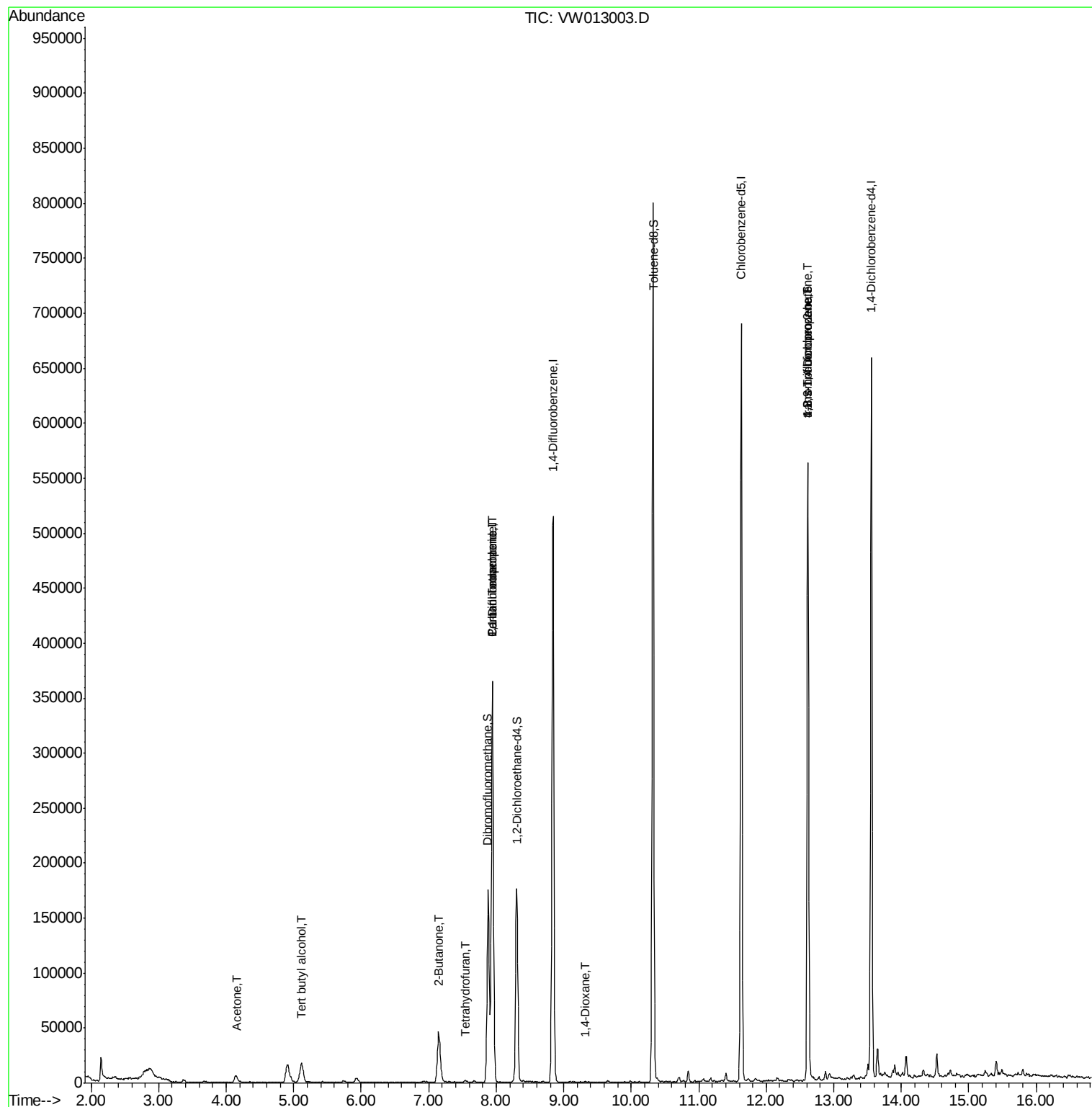
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	334	Below Cal		98
11) Tert butyl alcohol	5.12	59	16126	75.650	ug/l #	76
13) Acrolein	3.91	56	25	Below Cal	#	15
16) Acetone	4.15	43	13758	4.876	ug/l	96
25) 2-Butanone	7.15	43	3389	4.042	ug/l #	66
26) 2,2-Dichloropropane	7.14	77	3532	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	1015	2.124	ug/l	91
31) Cyclohexane	7.95	56	5758	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	21398	6.222	ug/l #	51
38) Carbon Tetrachloride	7.95	117	26577	7.541	ug/l #	15
49) 1,4-Dioxane	9.32	88	74	3.614	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	90869	60.616	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90869	137.507	ug/l #	7

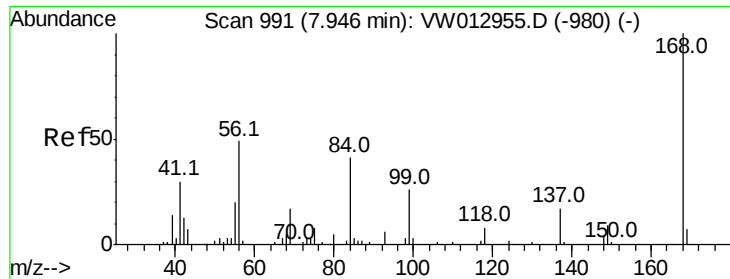
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013003.D

Acq: 14 Sep 2019 19:22

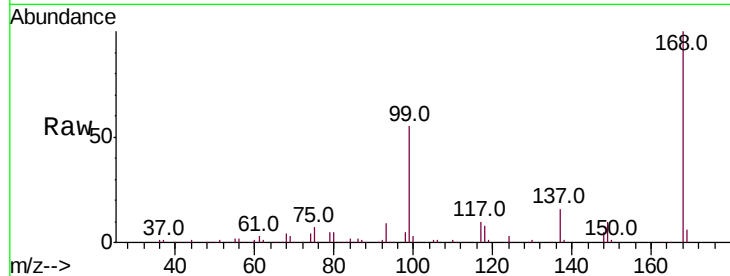
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 285533

Ion Ratio Lower Upper

168 100

99 55.5 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

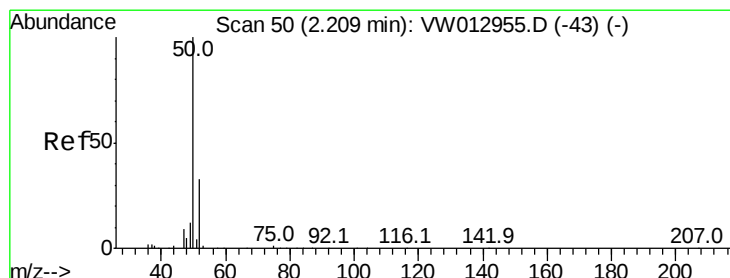
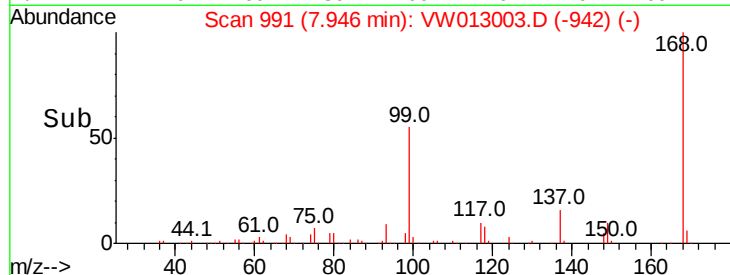
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013003.D

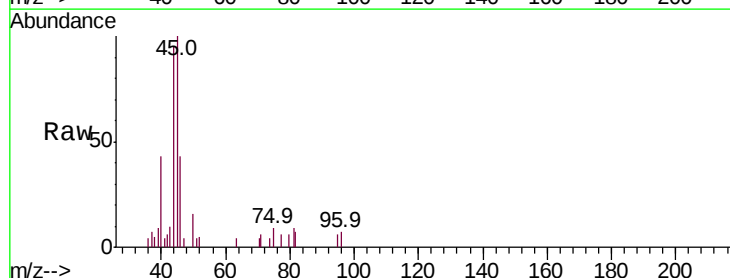
Acq: 14 Sep 2019 19:22

Tgt Ion: 50 Resp: 334

Ion Ratio Lower Upper

50 100

52 34.1 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

250

200

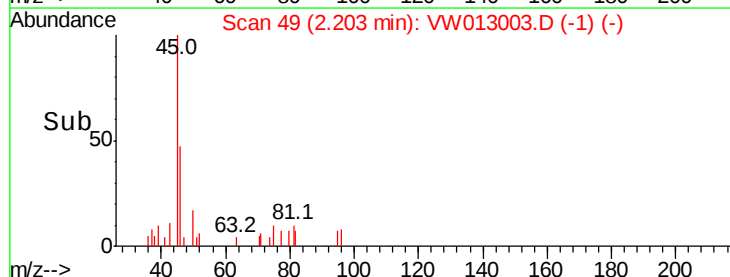
150

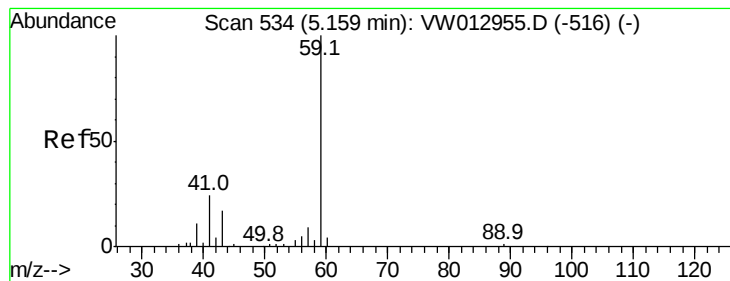
100

50

0

Time--> 2.15 2.20



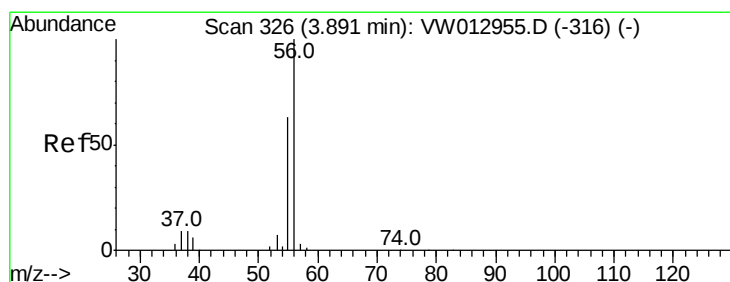
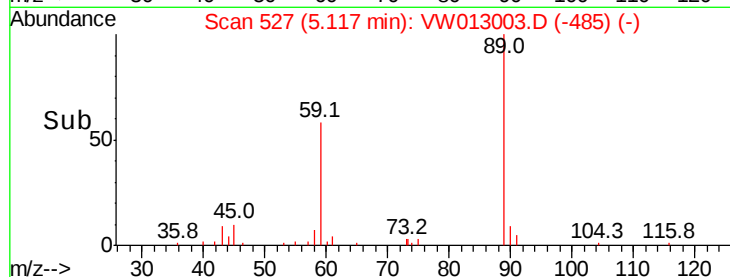
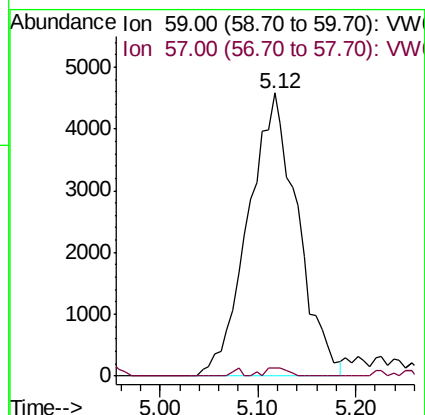
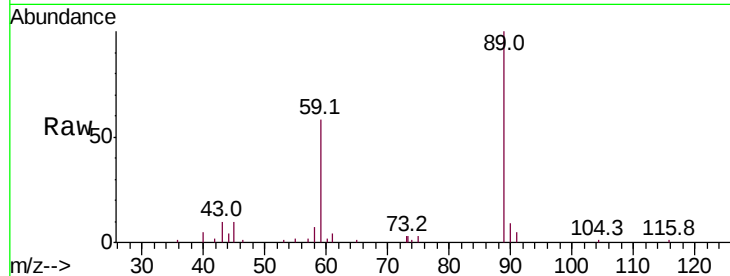


#11

Tert butyl alcohol
 Concen: 75.650 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.04 min
 Lab File: VW013003.D
 Acq: 14 Sep 2019 19:22

Instrument :
 MSVOA_W
 ClientSampled :

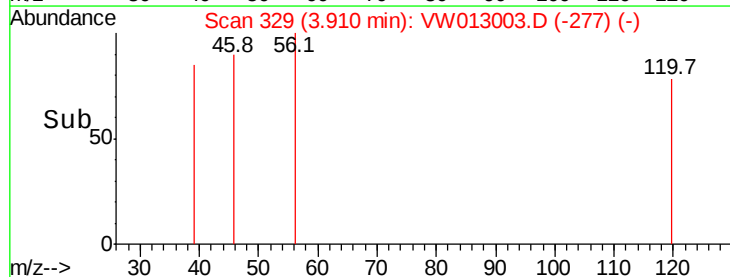
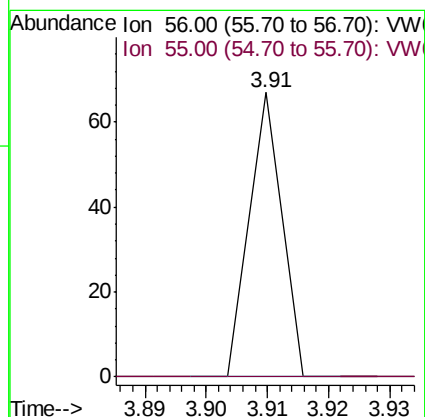
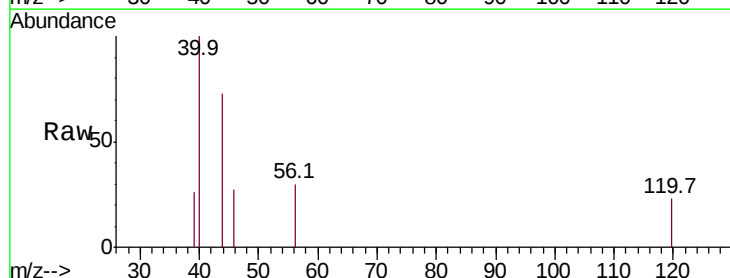
Tot Ion: 59 Resp: 16126
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.5 12.7#

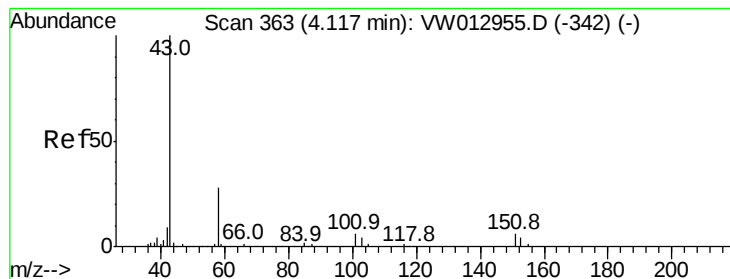


#13

Acrolein
 Concen: Below Cal
 RT: 3.91 min Scan# 329
 Delta R.T. 0.02 min
 Lab File: VW013003.D
 Acq: 14 Sep 2019 19:22

Tgt Ion: 56 Resp: 25
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 4.876 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW013003.D

Acq: 14 Sep 2019 19:22

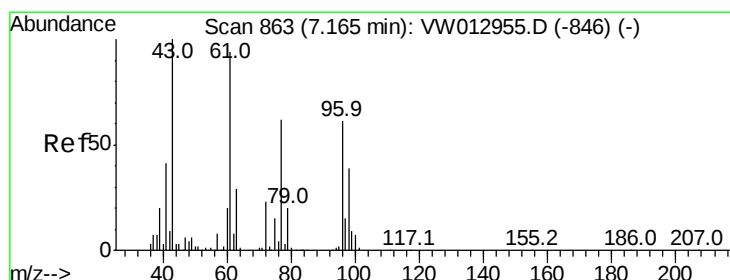
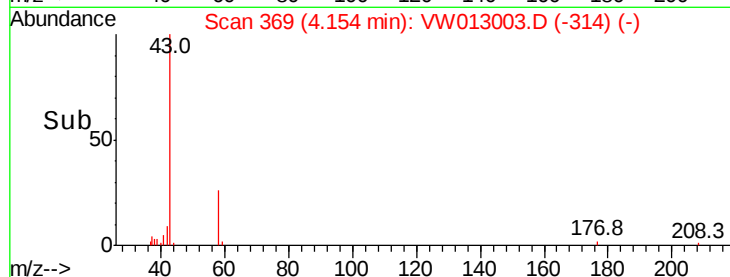
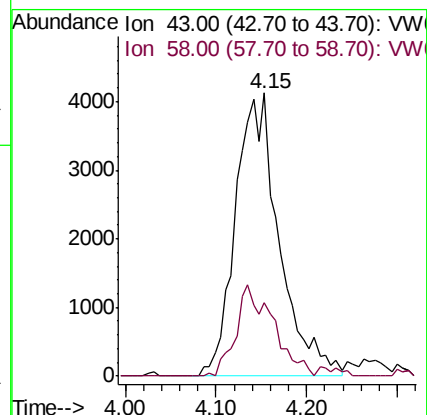
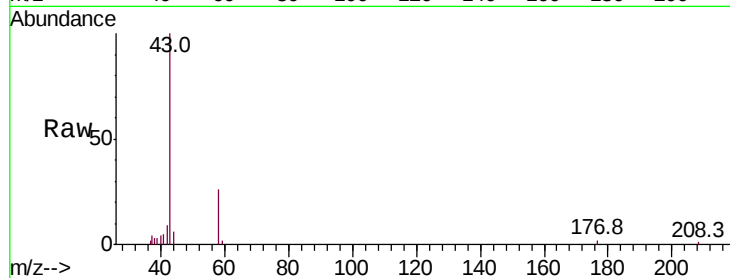
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 13758

Ion Ratio Lower Upper

43 100

58 25.8 22.3 33.5



#25

2-Butanone

Concen: 4.042 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013003.D

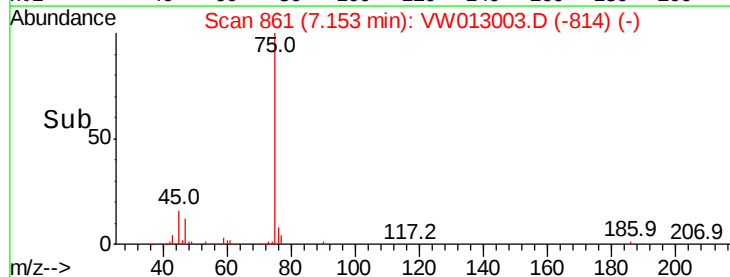
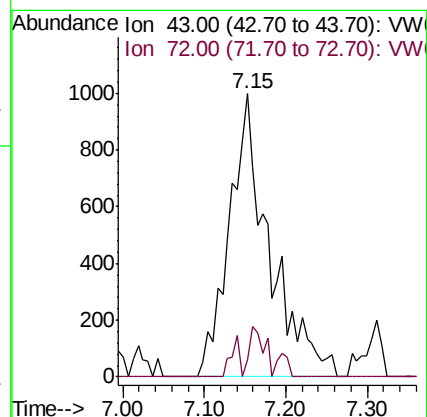
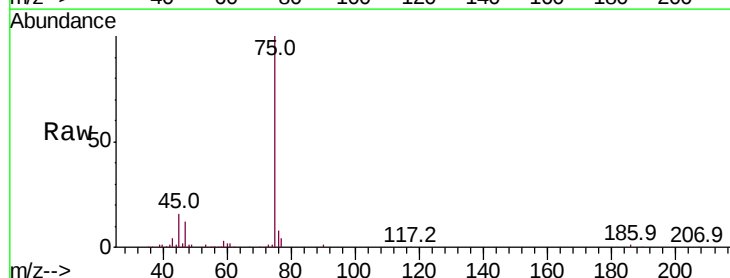
Acq: 14 Sep 2019 19:22

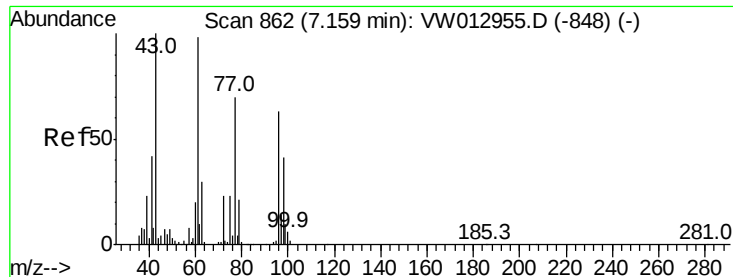
Tgt Ion: 43 Resp: 3389

Ion Ratio Lower Upper

43 100

72 6.2 18.2 27.4#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013003.D

Acq: 14 Sep 2019 19:22

Instrument :

MSVOA_W

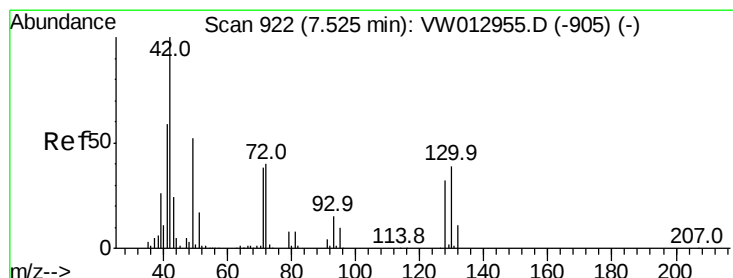
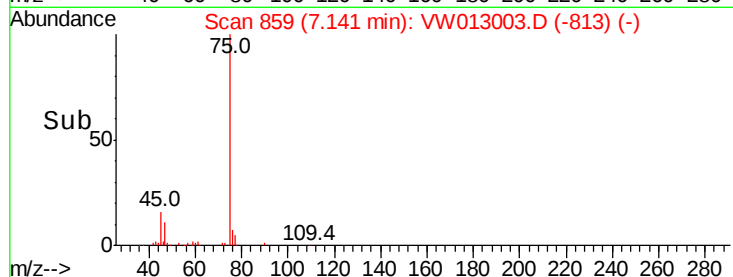
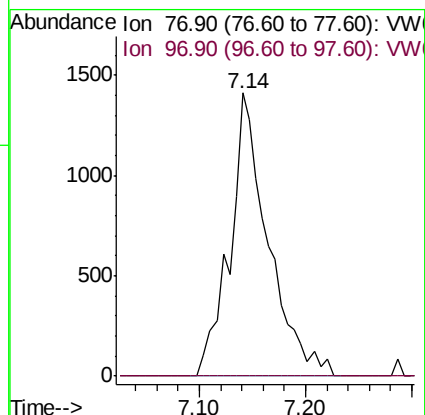
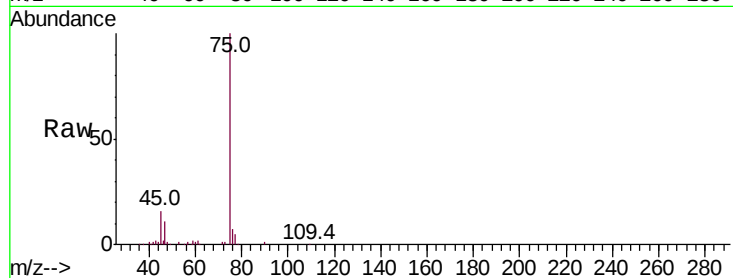
ClientSampleId :

Tot Ion: 77 Resp: 3532

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



#29

Tetrahydrofuran

Concen: 2.124 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW013003.D

Acq: 14 Sep 2019 19:22

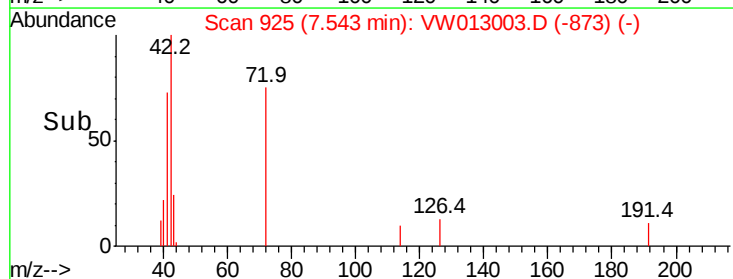
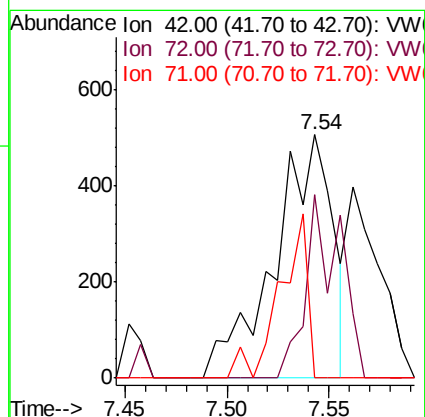
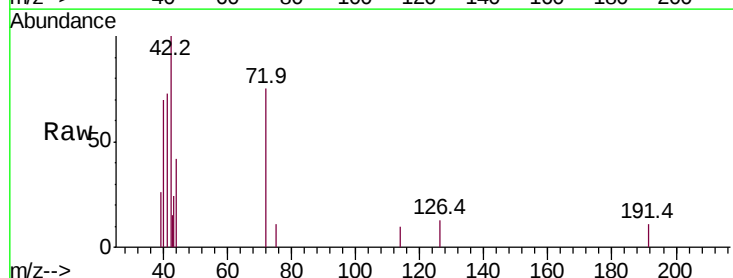
Tgt Ion: 42 Resp: 1015

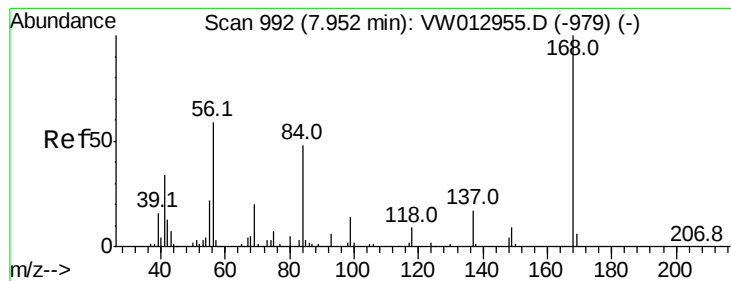
Ion Ratio Lower Upper

42 100

72 43.9 31.4 47.0

71 31.7 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

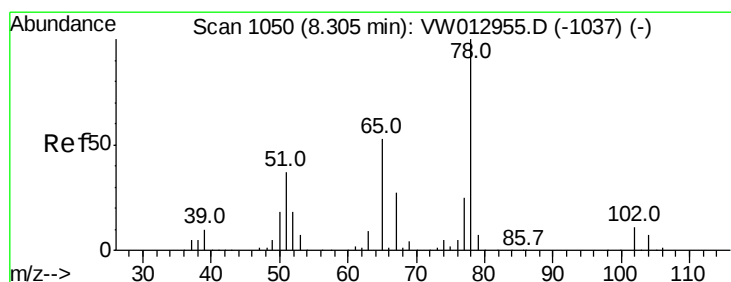
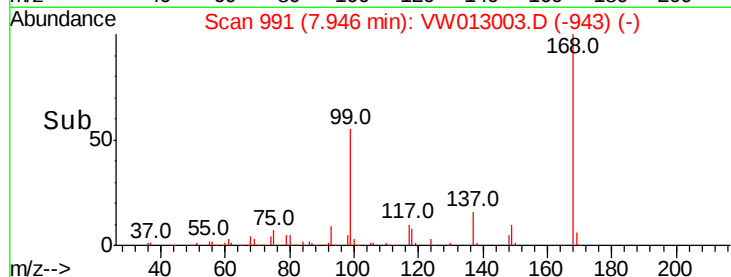
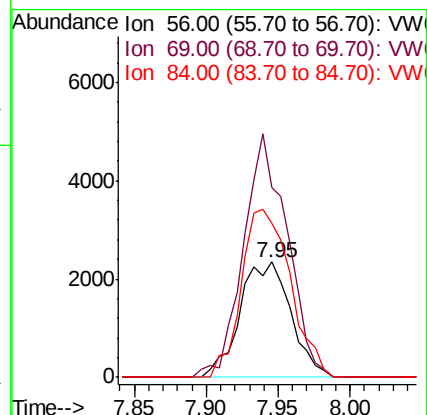
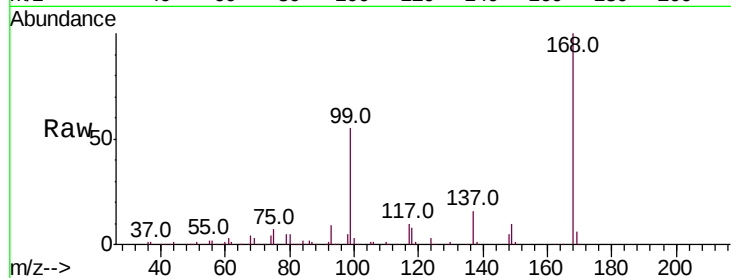
Lab File: VW013003.D

Acq: 14 Sep 2019 19:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5758

Ion	Ratio	Lower	Upper
56	100		
69	164.6	27.0	40.6#
84	133.8	66.2	99.2#



#33

1,2-Dichloroethane-d4

Concen: 55.991 ug/l

RT: 8.30 min Scan# 1049

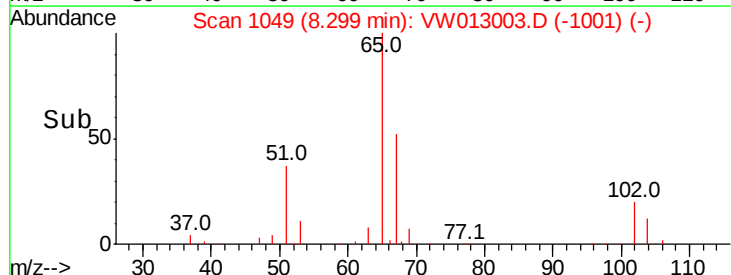
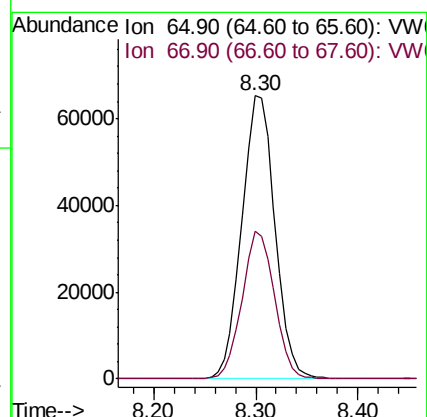
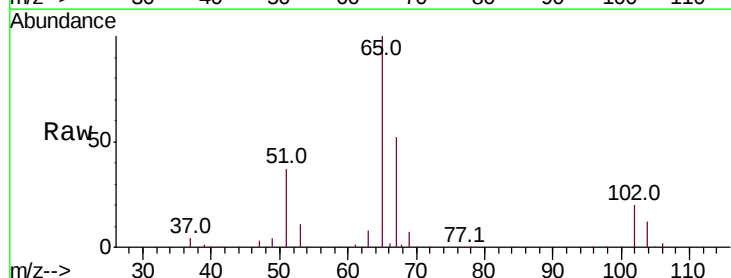
Delta R.T. -0.01 min

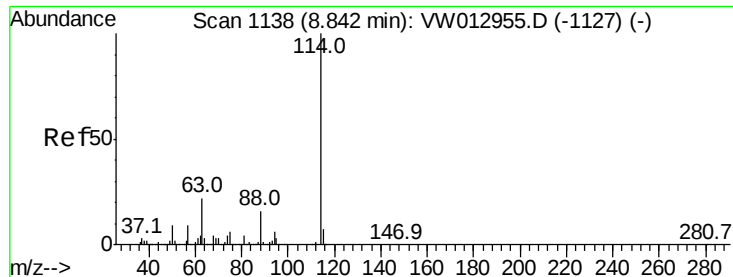
Lab File: VW013003.D

Acq: 14 Sep 2019 19:22

Tgt Ion: 65 Resp: 147655

Ion	Ratio	Lower	Upper
65	100		
67	51.1	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: VW013003.D

Acq: 14 Sep 2019 19:22

Instrument :

MSVOA_W

ClientSampled :

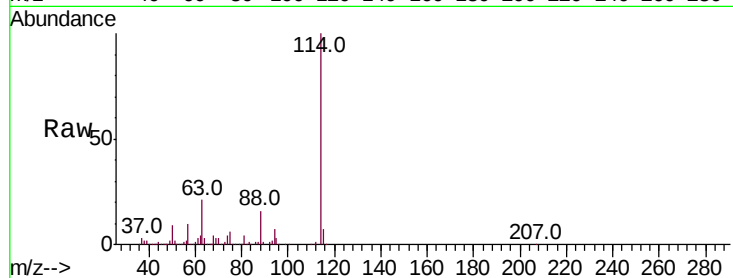
Tot Ion:114 Resp: 430381

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

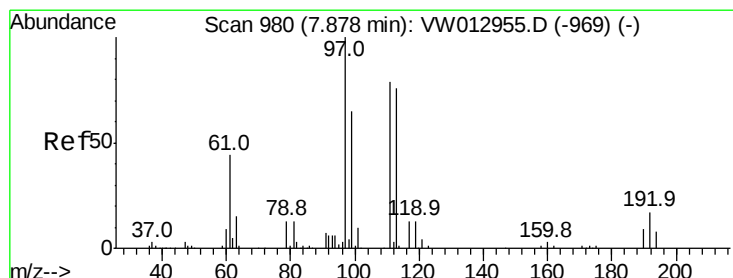
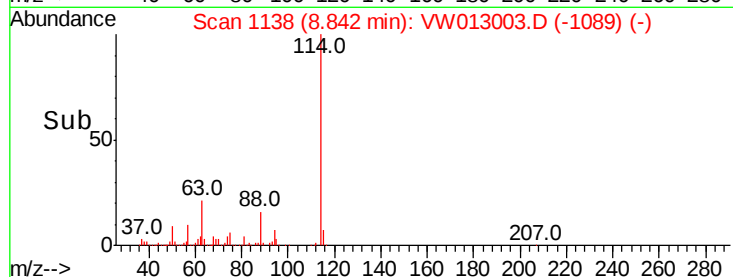
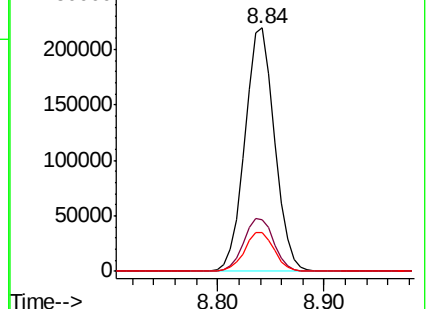
88 16.0 0.0 31.6



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: 53.619 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW013003.D

Acq: 14 Sep 2019 19:22

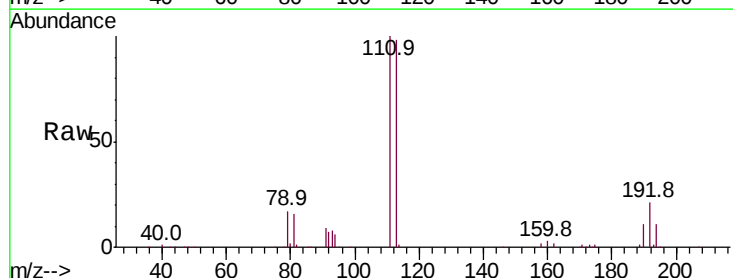
Tgt Ion:113 Resp: 125217

Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

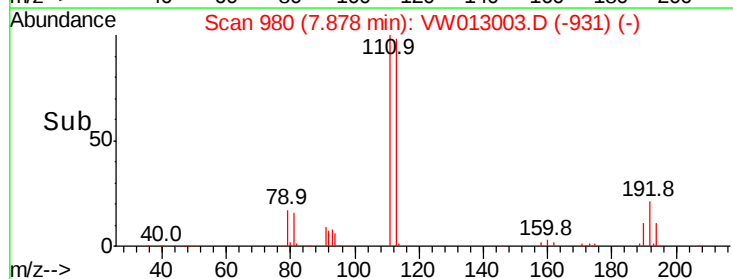
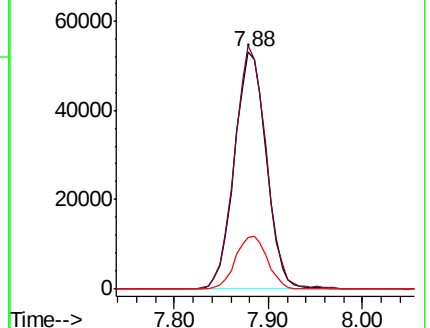
192 22.5 17.8 26.8

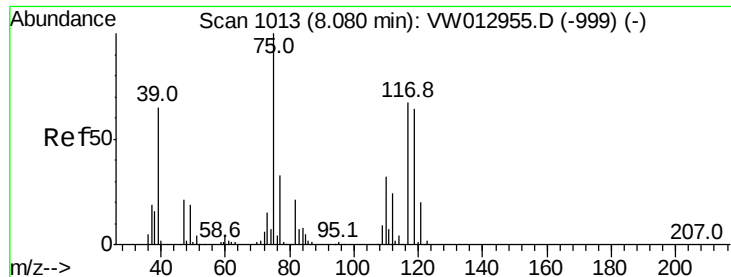


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.222 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013003.D

Acq: 14 Sep 2019 19:22

Instrument :
MSVOA_W
ClientSampled :

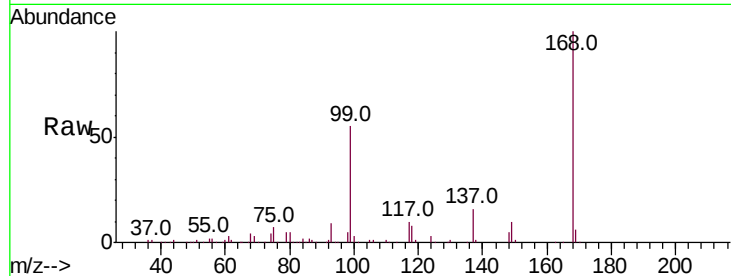
Tot Ion: 75 Resp: 21398

Ion Ratio Lower Upper

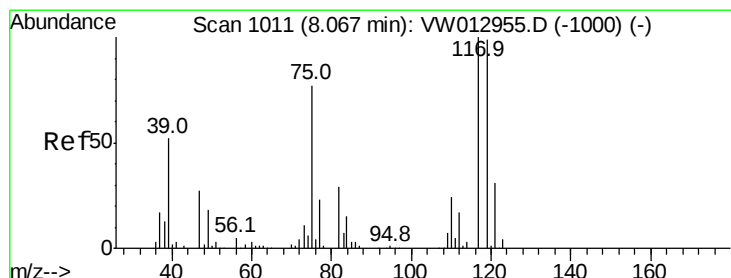
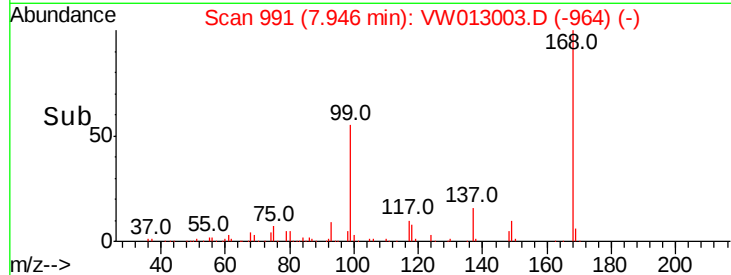
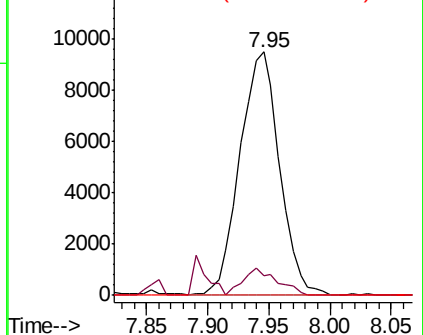
75 100

110 9.6 16.4 49.1#

77 0.0 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: 7.541 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013003.D

Acq: 14 Sep 2019 19:22

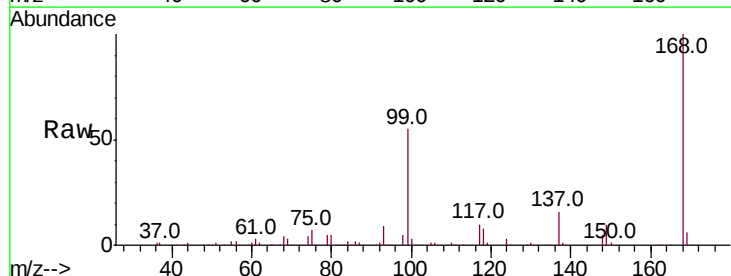
Tgt Ion: 117 Resp: 26577

Ion Ratio Lower Upper

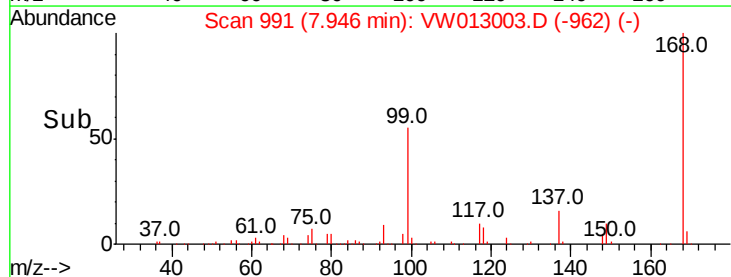
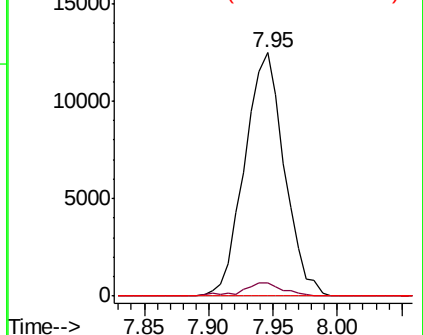
117 100

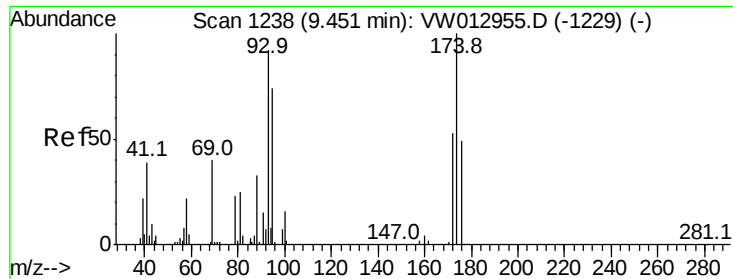
119 5.4 79.4 119.0#

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





#49

1,4-Dioxane

Concen: 3.614 ug/l

RT: 9.32 min Scan# 1217

Delta R.T. -0.13 min

Lab File: VW013003.D

Acq: 14 Sep 2019 19:22

Instrument :
MSVOA_W
ClientSampled :

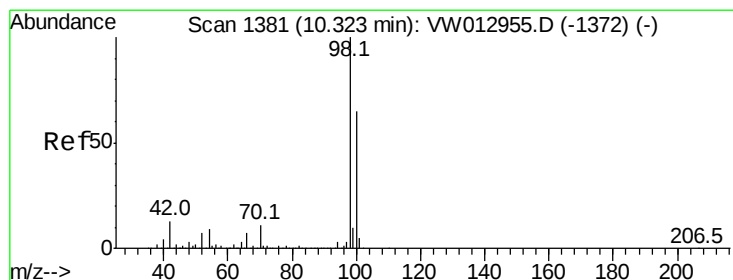
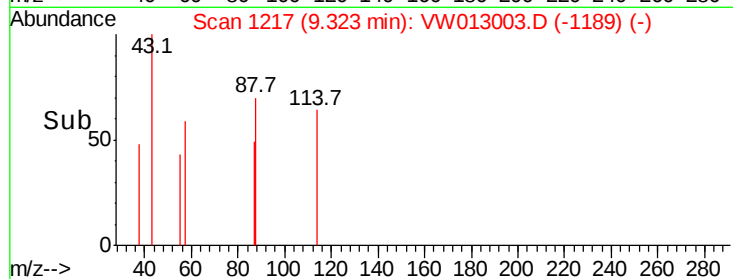
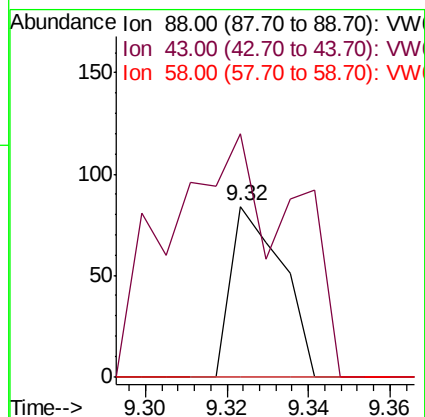
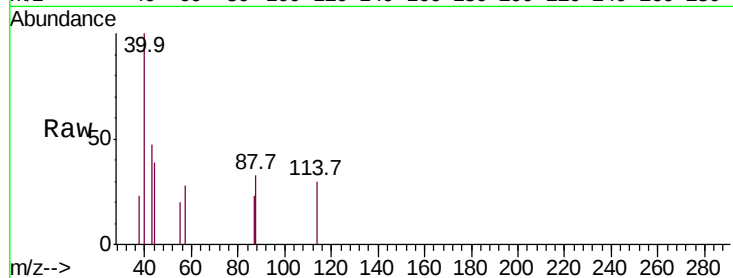
Tot Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 340.5 31.3 46.9#

58 0.0 60.2 90.2#



#50

Toluene-d8

Concen: 56.519 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013003.D

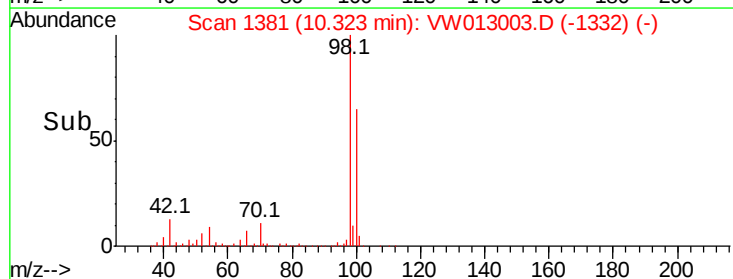
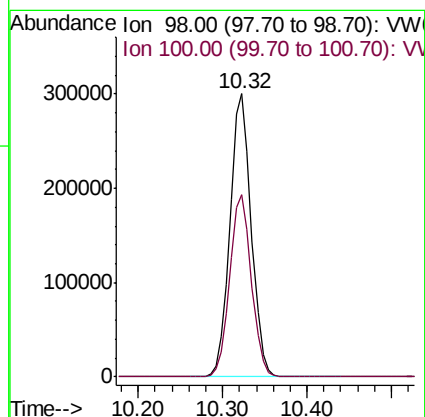
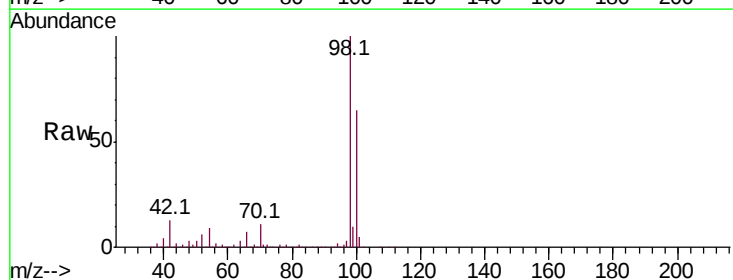
Acq: 14 Sep 2019 19:22

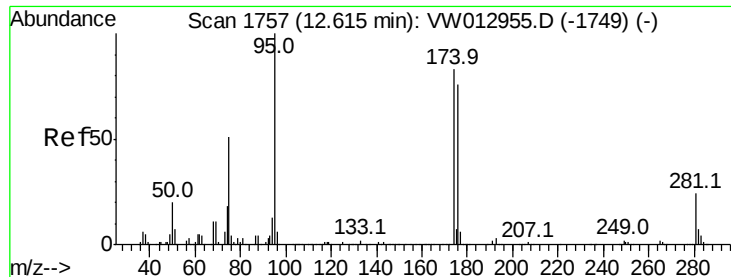
Tgt Ion: 98 Resp: 516484

Ion Ratio Lower Upper

98 100

100 65.5 52.1 78.1

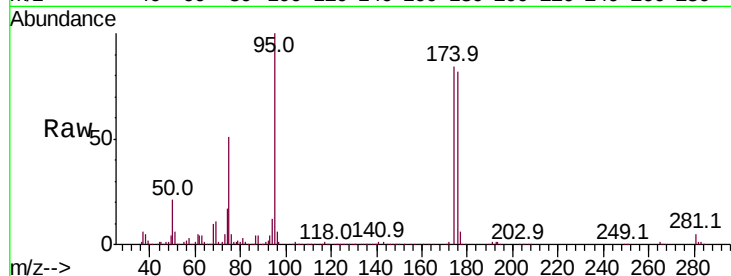




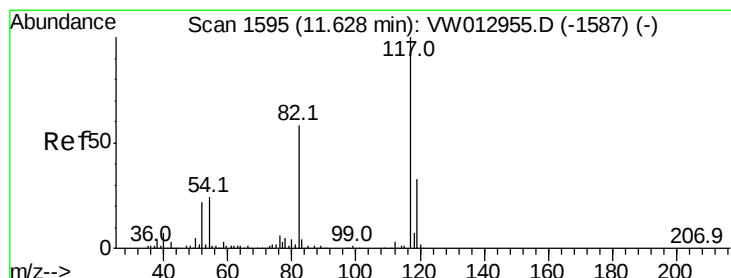
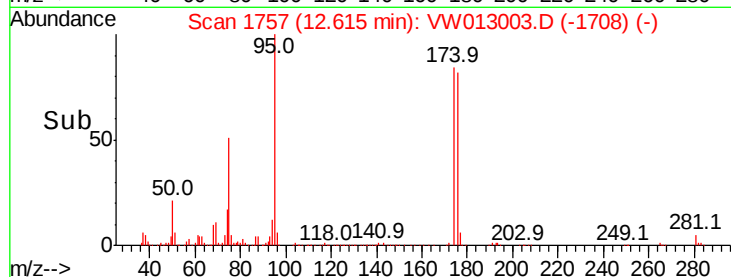
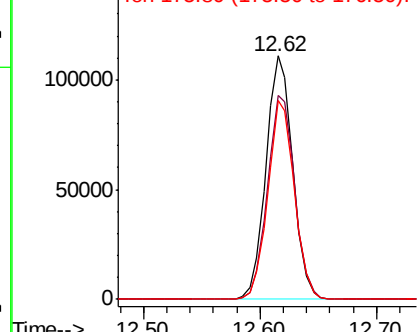
#62
4-Bromofluorobenzene
Concen: 54.155 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013003.D
Acq: 14 Sep 2019 19:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	170.4
176	80.5	0.0	164.6

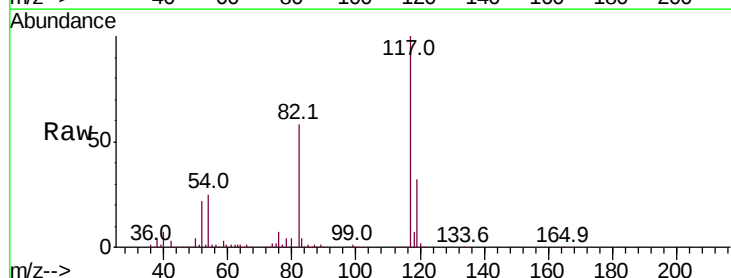


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

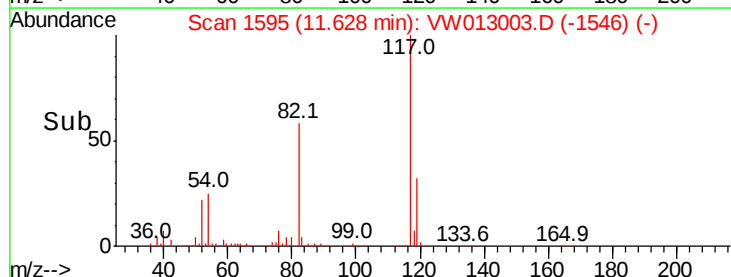
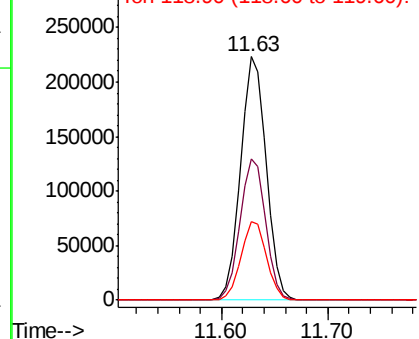


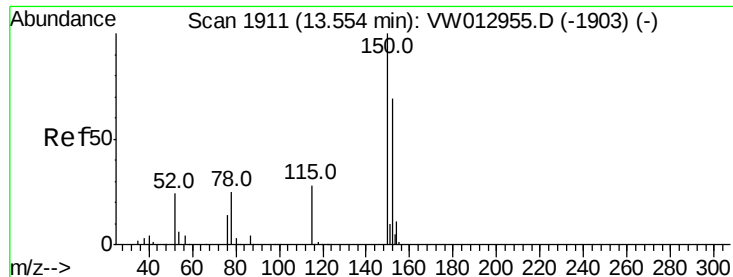
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013003.D
Acq: 14 Sep 2019 19:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.3	69.5
119	32.2	26.2	39.4



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW



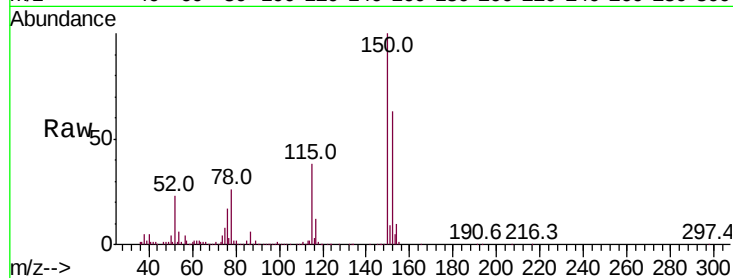


#72

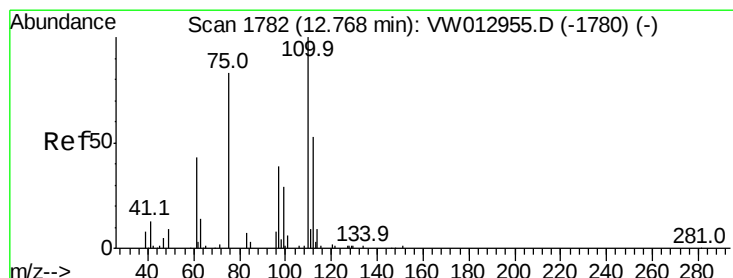
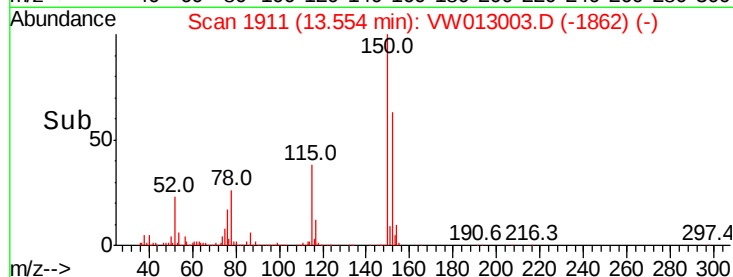
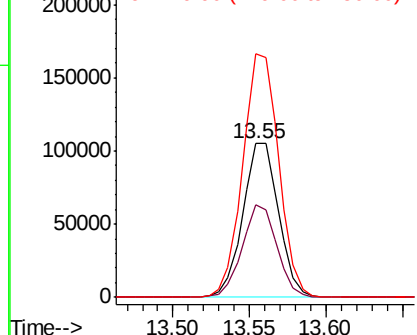
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW013003.D
Acq: 14 Sep 2019 19:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 171144
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.4
150 159.3 0.0 340.2



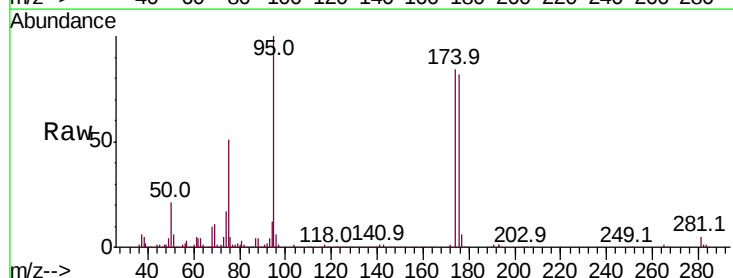
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



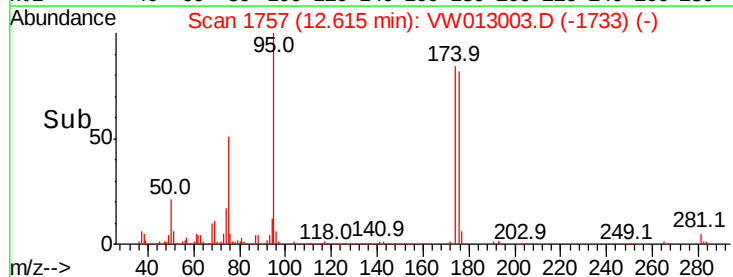
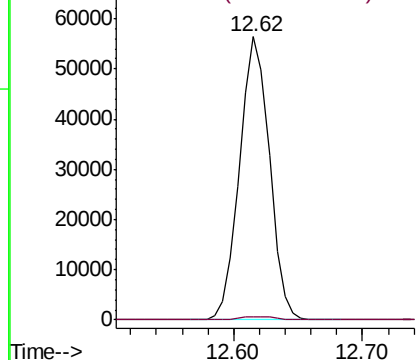
#76

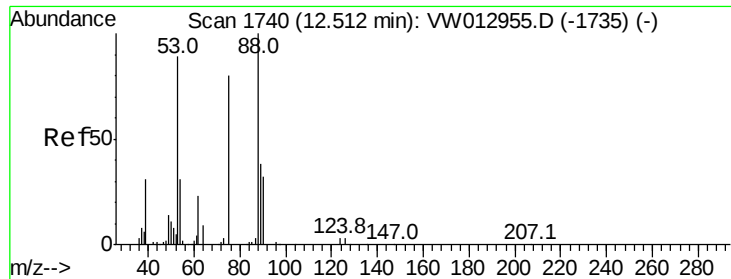
1,2,3-Trichloropropane
Concen: 60.616 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013003.D
Acq: 14 Sep 2019 19:22

Tgt Ion: 75 Resp: 90869
Ion Ratio Lower Upper
75 100
77 1.5 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: 137.507 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013003.D

Acq: 14 Sep 2019 19:22

Instrument :

MSVOA_W

ClientSampleId :

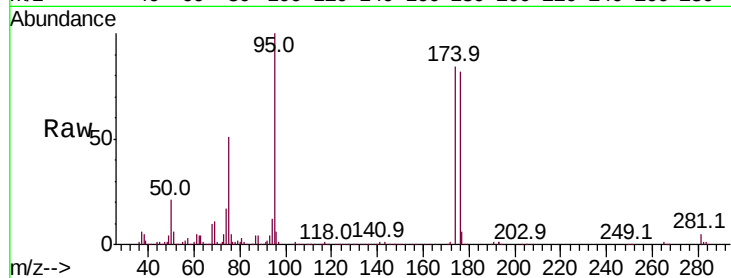
Tot Ion: 75 Resp: 90869

Ion Ratio Lower Upper

75 100

53 0.3 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

