

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013042.D
 Acq On : 16 Sep 2019 15:32
 Operator : SY/VA
 Sample : K4764-01RE
 Misc : 5.19G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ROLL-OFF-VOC-1

Quant Time: Sep 17 07:20:54 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	305368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	458651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	166941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	152918	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.88	113	131977	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
50) Toluene-d8	10.32	98	549454	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	
62) 4-Bromofluorobenzene	12.62	95	176865	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds

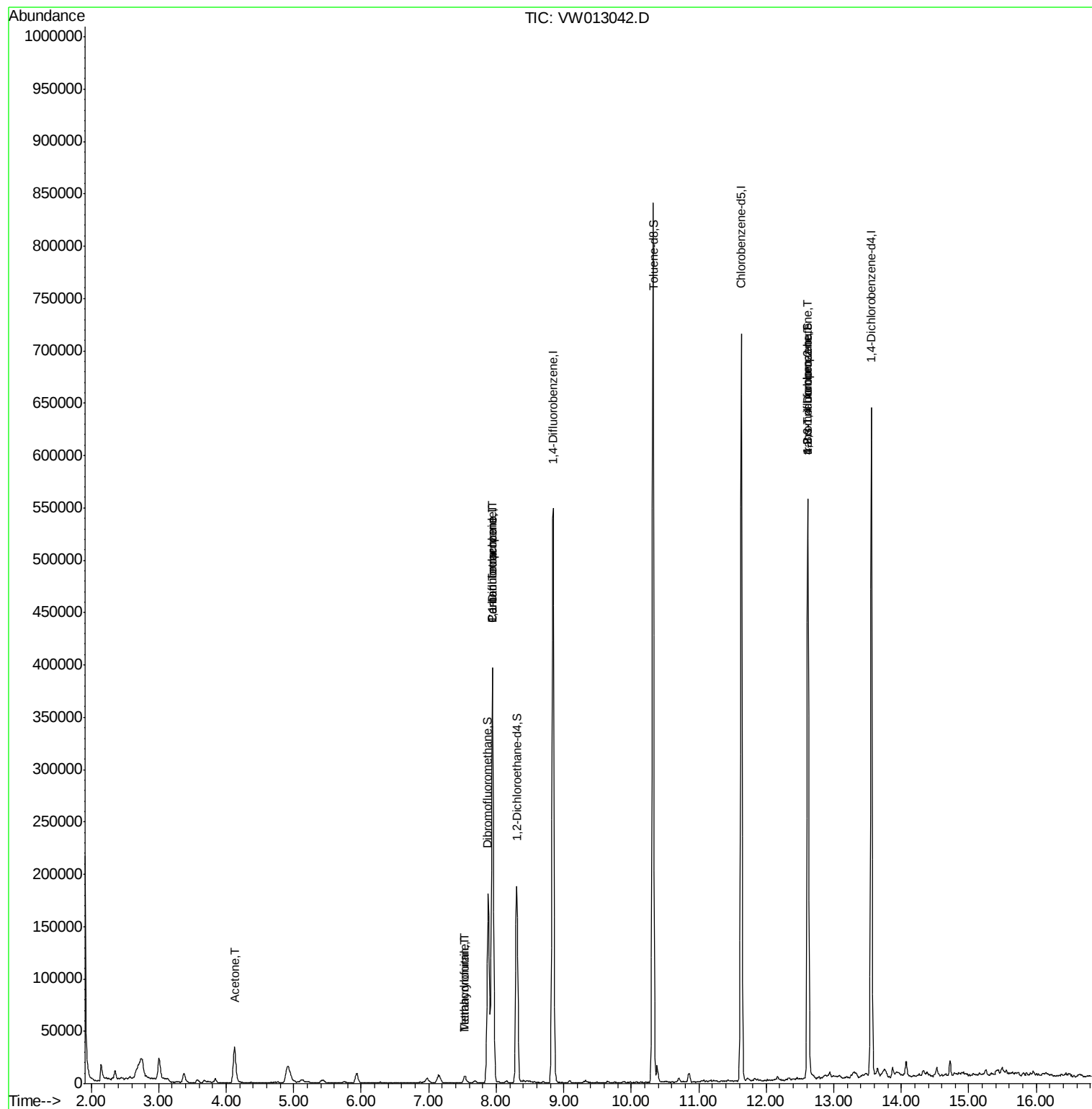
						Qvalue
2) Dichlorodifluoromethane	2.22	85	40	Below Cal	#	44
3) Chloromethane	2.20	50	446	Below Cal	#	41
11) Tert butyl alcohol	5.18	59	218	Below Cal	#	1
13) Acrolein	3.90	56	48	Below Cal	#	15
16) Acetone	4.12	43	62730	89.994	ug/l	99
20) Methylene Chloride	4.91	84	11380	Below Cal		95
26) 2,2-Dichloropropane	7.14	77	673	Below Cal	#	55
29) Tetrahydrofuran	7.53	42	5630	11.018	ug/l	94
31) Cyclohexane	7.94	56	6976	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	22123	6.036	ug/l	51
38) Carbon Tetrachloride	7.95	117	27627	7.356	ug/l	14
41) Methacrylonitrile	7.52	41	3688	2.879	ug/l	39
76) 1,2,3-Trichloropropane	12.62	75	89999	61.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89999	139.619	ug/l	7

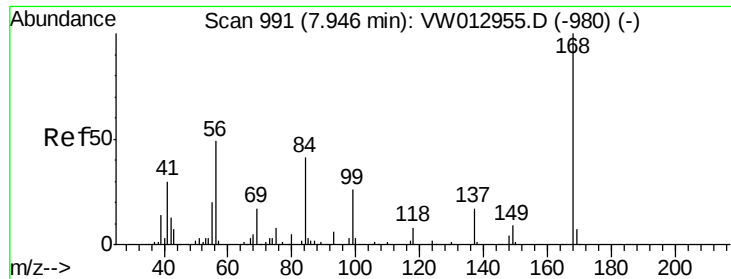
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
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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: VW013042.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

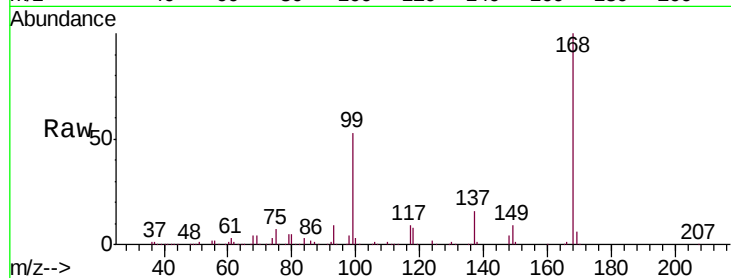
ROLL-OFF-VOC-1

Tgt Ion:168 Resp: 305368

Ion Ratio Lower Upper

168 100

99 52.9 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

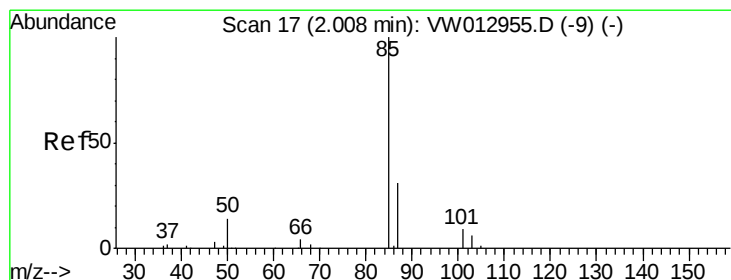
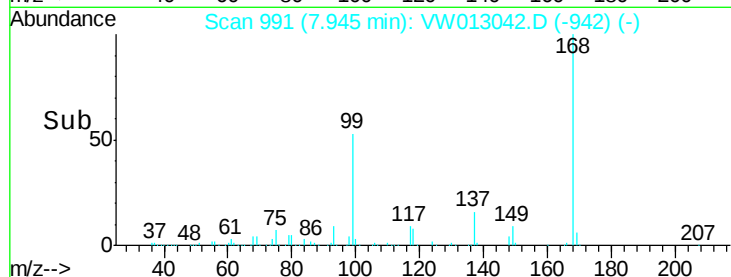
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.22 min Scan# 52

Delta R.T. 0.21 min

Lab File: VW013042.D

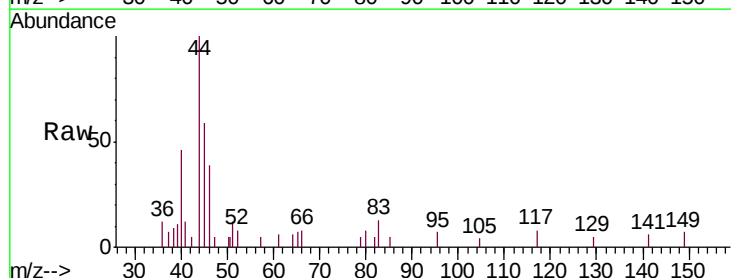
Acq: 16 Sep 2019 15:32

Tgt Ion: 85 Resp: 40

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

2.22

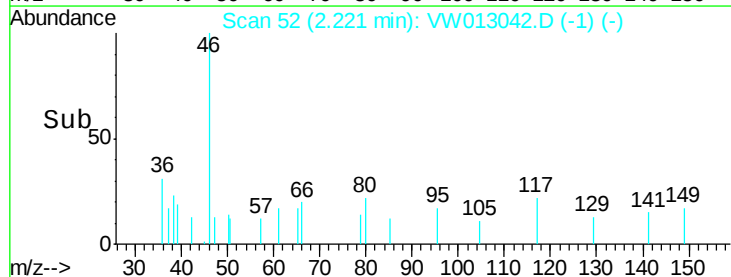
60

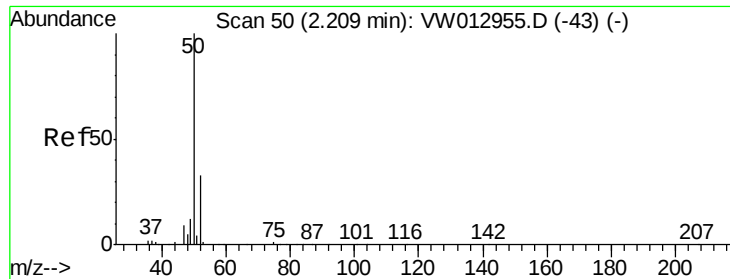
40

20

0

Time--> 2.20 2.22 2.24





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013042.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

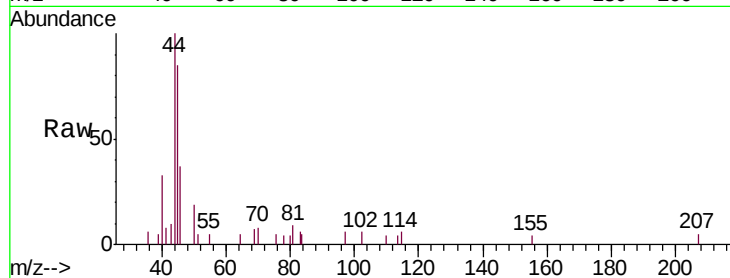
ROLL-OFF-VOC-1

Tgt Ion: 50 Resp: 446

Ion Ratio Lower Upper

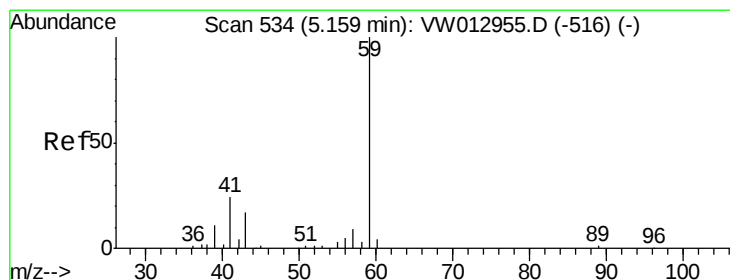
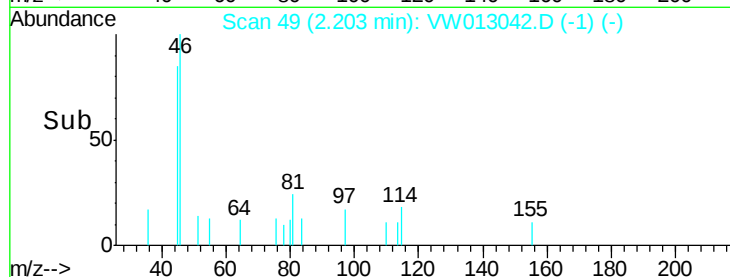
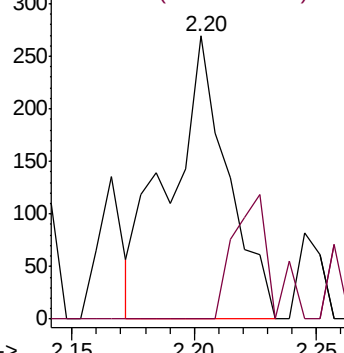
50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW013042.D

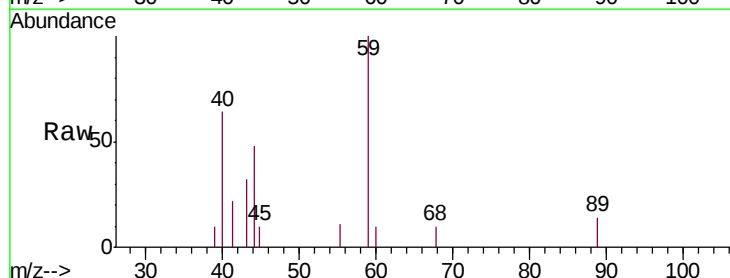
Acq: 16 Sep 2019 15:32

Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

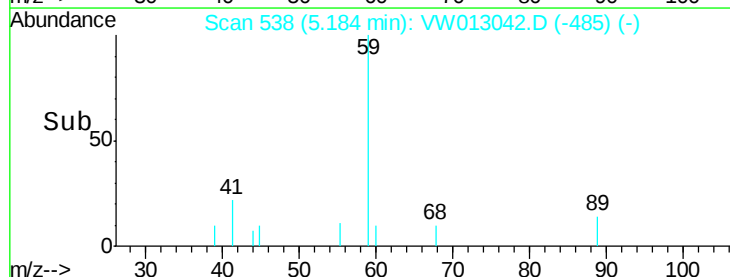
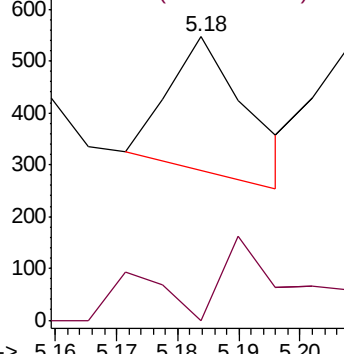
59 100

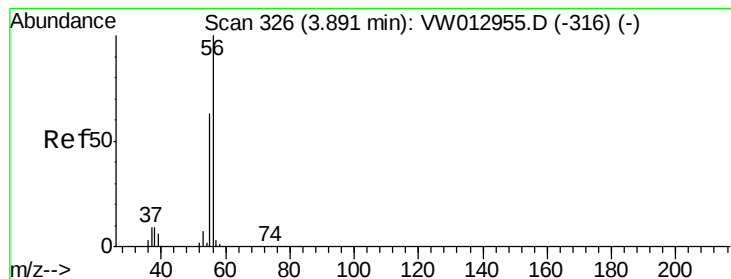
57 58.7 8.5 12.7#



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# 327

Delta R.T. 0.01 min

Lab File: VW013042.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

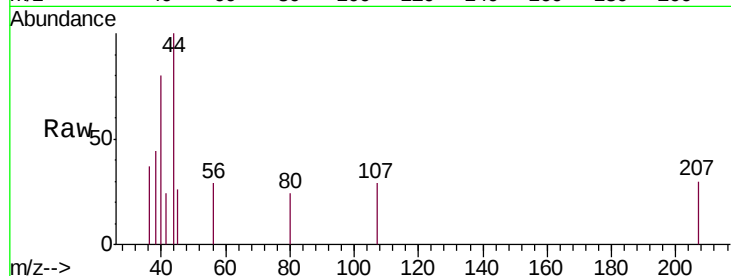
ROLL-OFF-VOC-1

Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

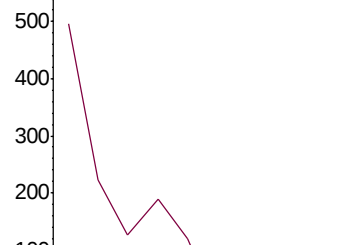
56 100

55 0.0 55.8 83.8#

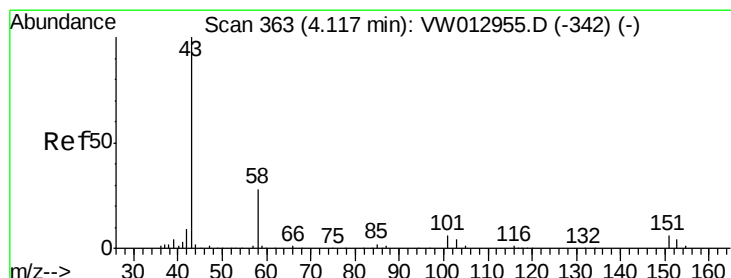
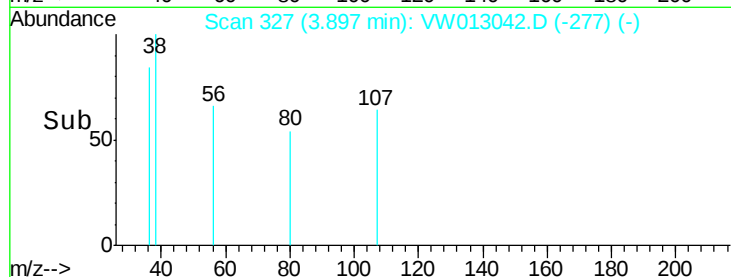


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#16

Acetone

Concen: 89.994 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013042.D

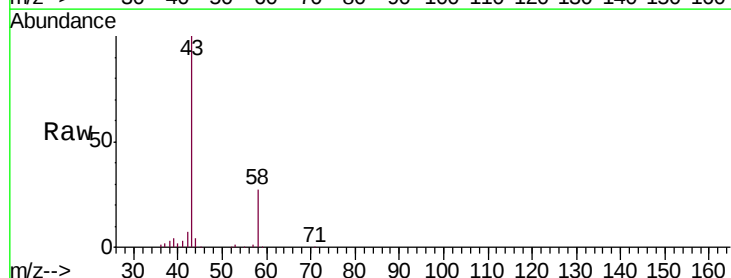
Acq: 16 Sep 2019 15:32

Tgt Ion: 43 Resp: 62730

Ion Ratio Lower Upper

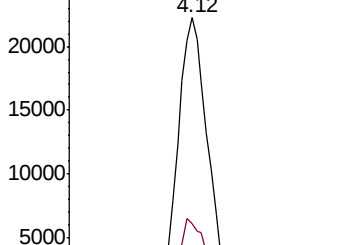
43 100

58 27.2 22.3 33.5

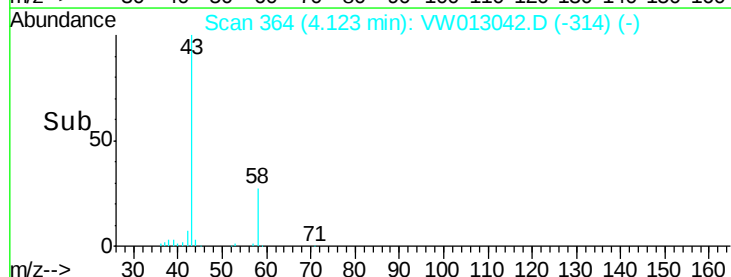


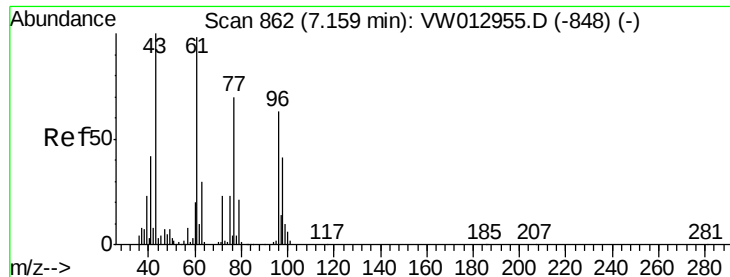
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

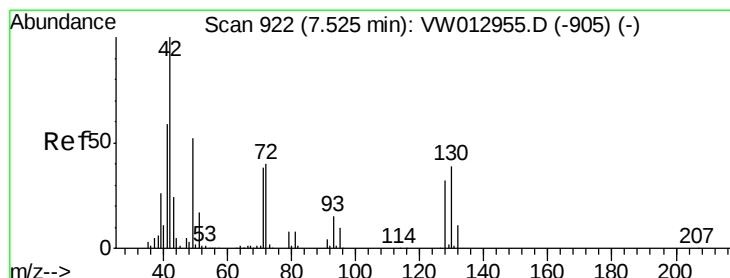
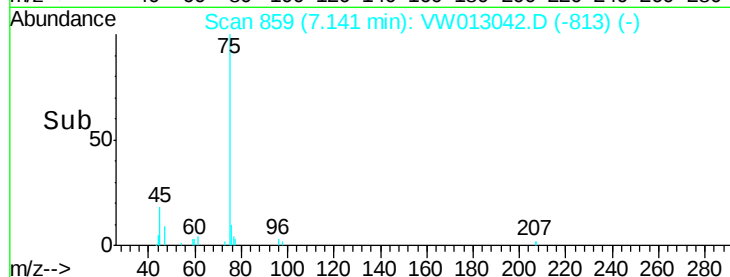
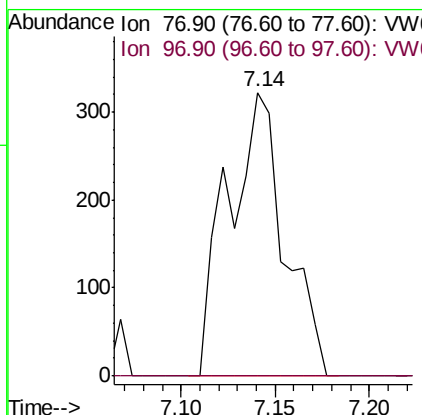
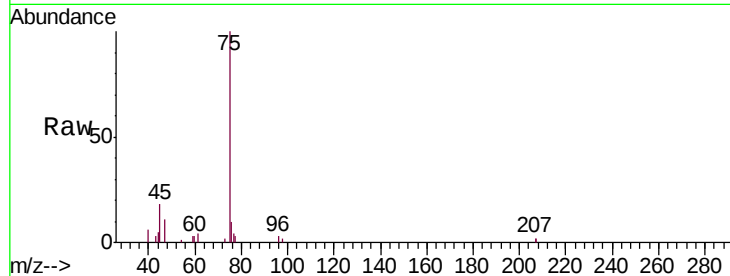




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW013042.D
 Acq: 16 Sep 2019 15:32

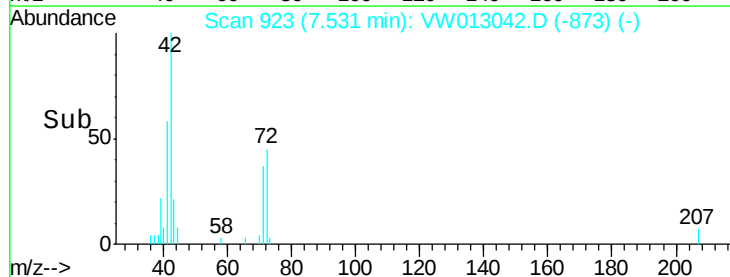
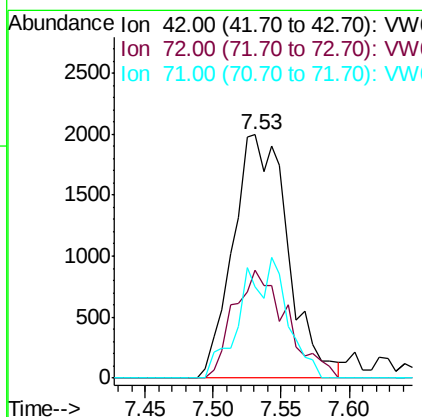
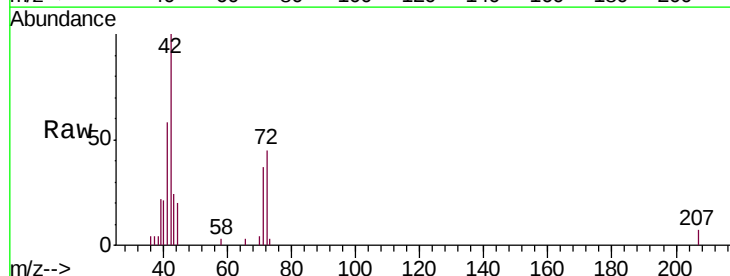
Instrument :
 MSVOA_W
 ClientSampleId :
 ROLL-OFF-VOC-1

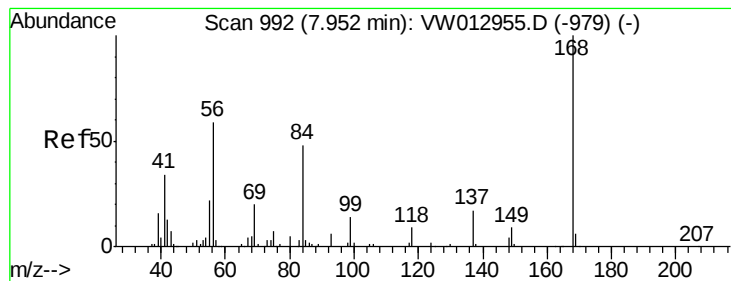
Tgt Ion: 77 Resp: 673
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 11.018 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013042.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 42 Resp: 5630
 Ion Ratio Lower Upper
 42 100
 72 42.5 31.4 47.0
 71 41.2 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013042.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

ROLL-OFF-VOC-1

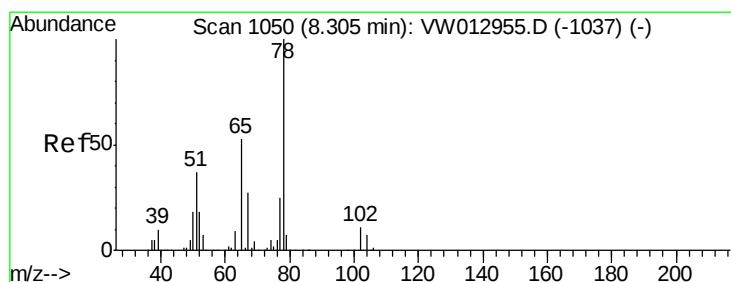
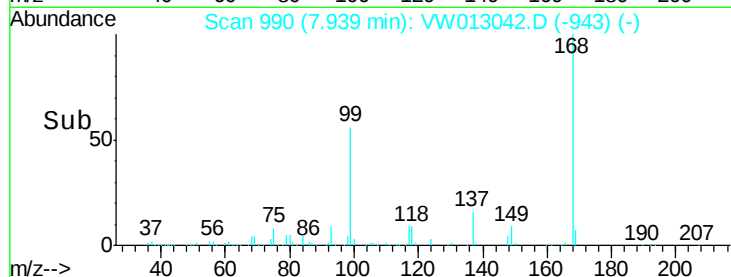
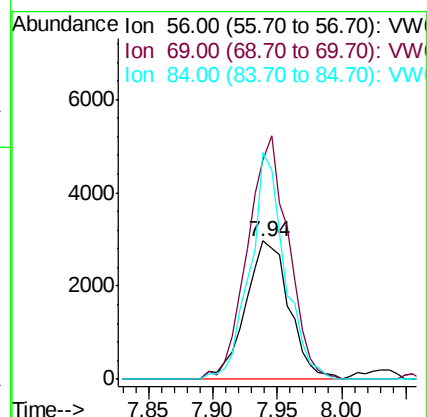
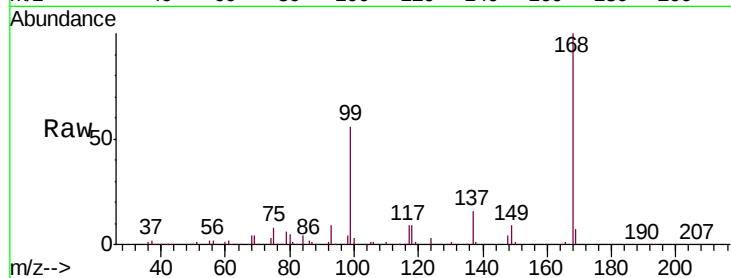
Tgt Ion: 56 Resp: 6976

Ion Ratio Lower Upper

56 100

69 158.3 27.0 40.6#

84 163.7 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 54.221 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013042.D

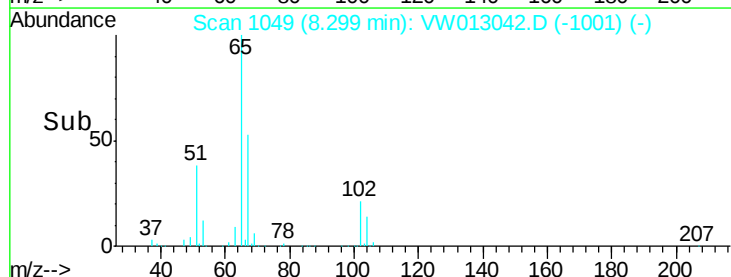
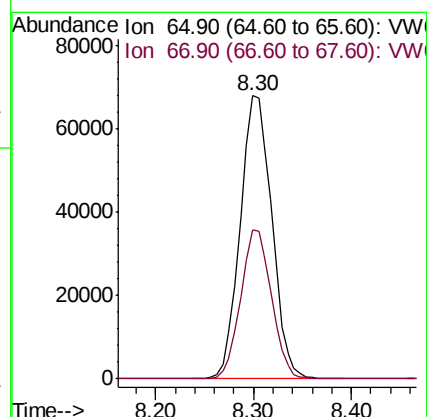
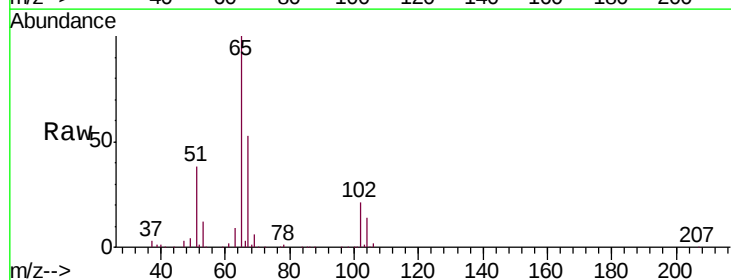
Acq: 16 Sep 2019 15:32

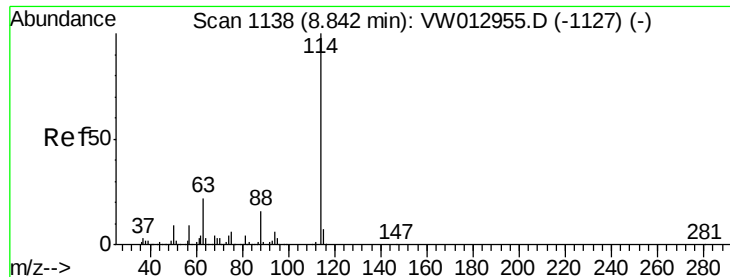
Tgt Ion: 65 Resp: 152918

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.2

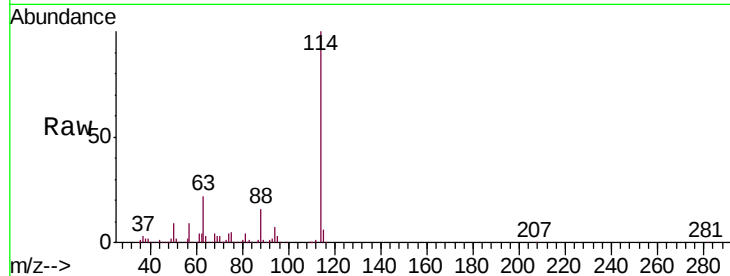




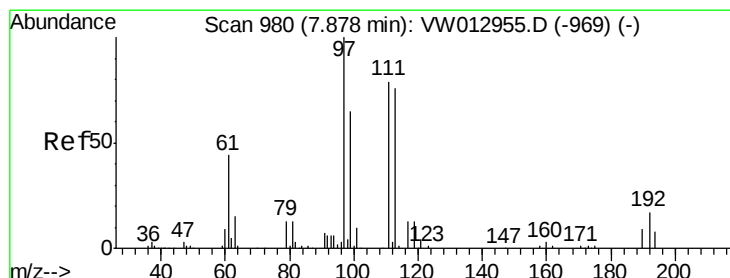
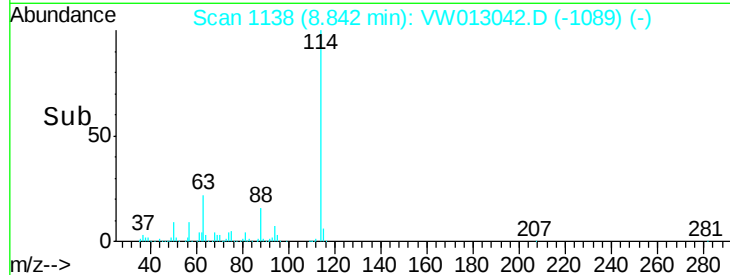
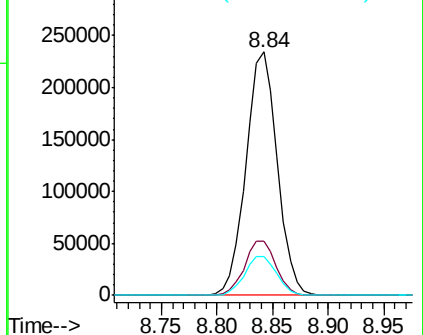
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013042.D
 Acq: 16 Sep 2019 15:32

Instrument :
 MSVOA_W
 ClientSampleId :
 ROLL-OFF-VOC-1

Tgt Ion:114 Resp: 458651
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.4
 88 16.0 0.0 31.6

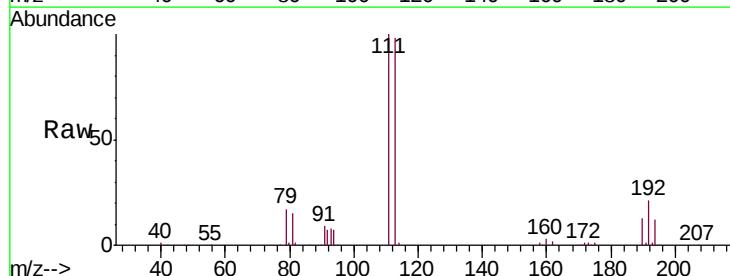


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

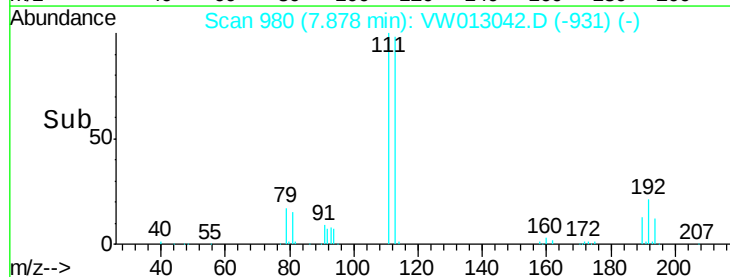
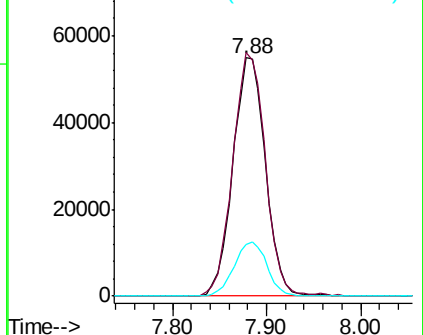


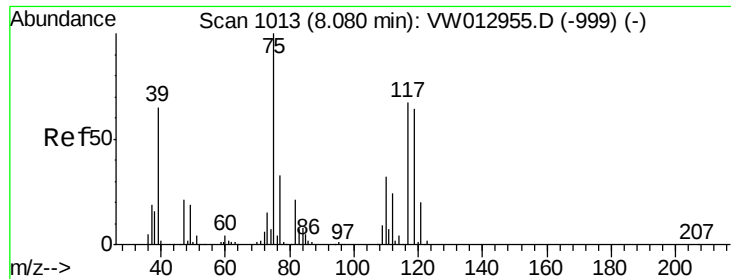
#35
 Dibromofluoromethane
 Concen: 53.031 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013042.D
 Acq: 16 Sep 2019 15:32

Tgt Ion:113 Resp: 131977
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.8 124.2
 192 22.8 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

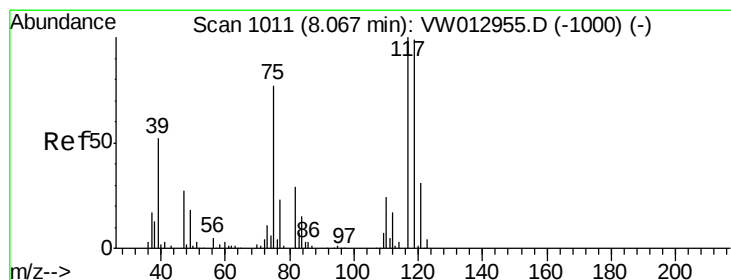
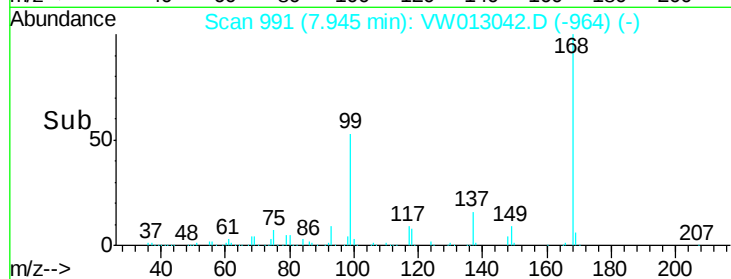
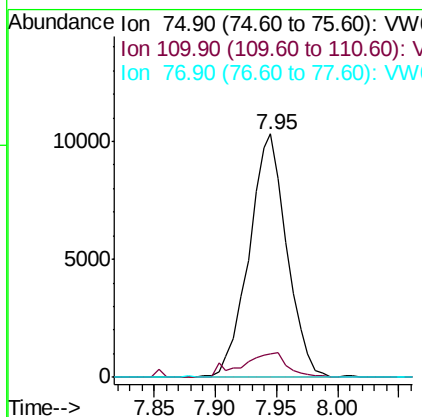
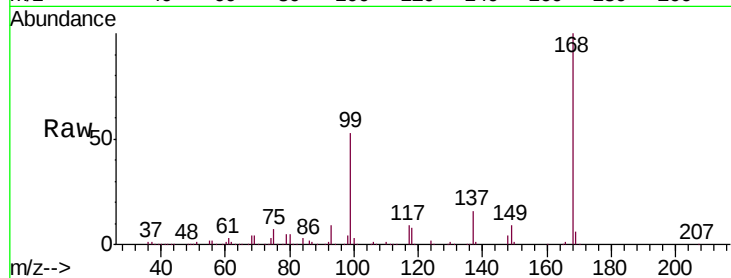




#36
 1,1-Dichloropropene
 Concen: 6.036 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013042.D
 Acq: 16 Sep 2019 15:32

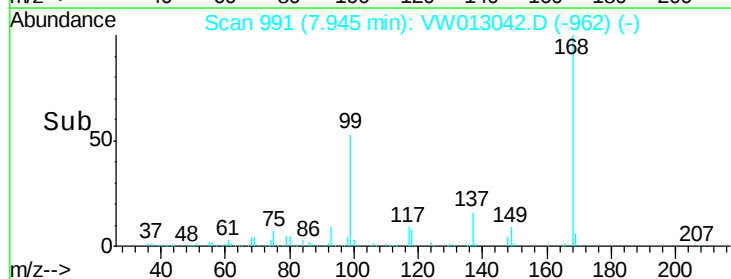
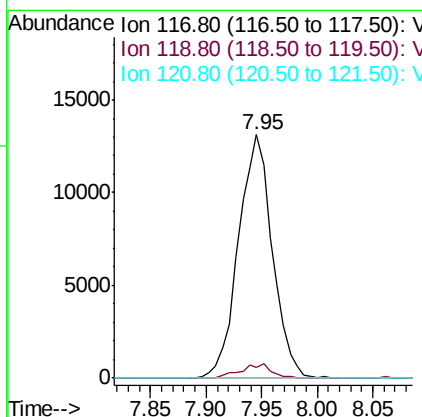
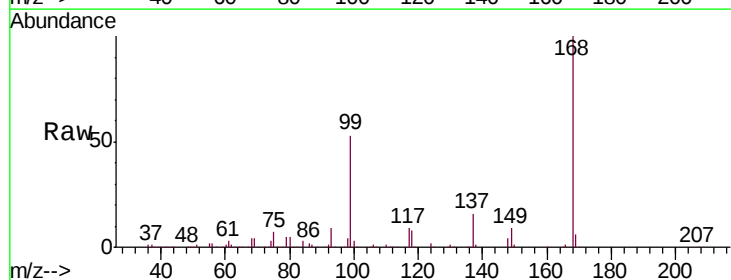
Instrument :
 MSVOA_W
 ClientSampleId :
 ROLL-OFF-VOC-1

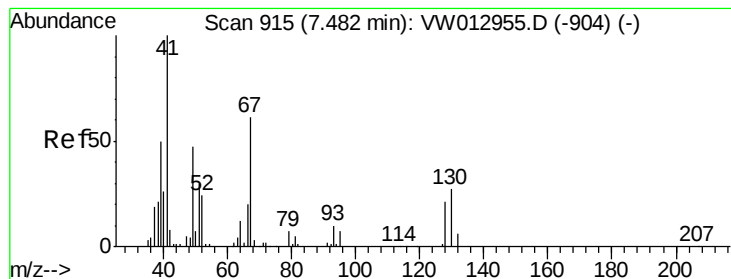
Tgt Ion: 75 Resp: 22123
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.356 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013042.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 117 Resp: 27627
 Ion Ratio Lower Upper
 117 100
 119 4.2 79.4 119.0#
 121 0.0 24.6 36.8#





#41

Methacrylonitrile

Concen: 2.879 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW013042.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

ROLL-OFF-VOC-1

Tgt Ion: 41 Resp: 3688

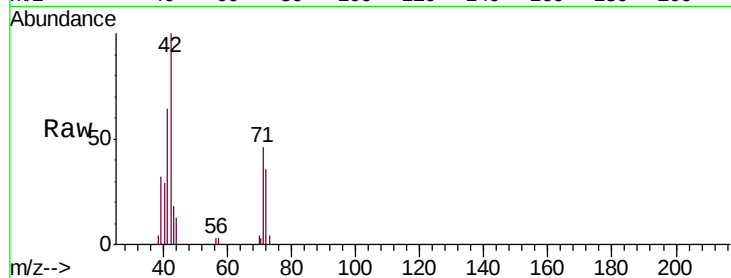
Ion Ratio Lower Upper

41 100

39 24.8 48.2 72.4#

67 0.0 47.5 71.3#

52 0.0 21.0 31.4#

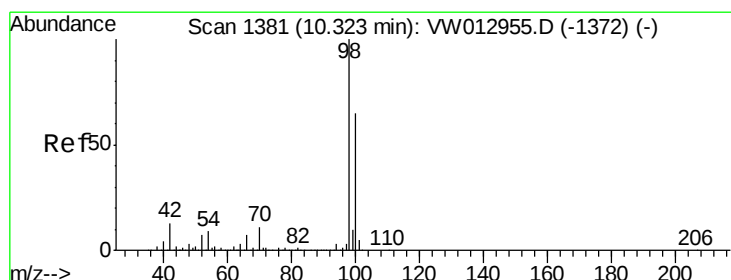
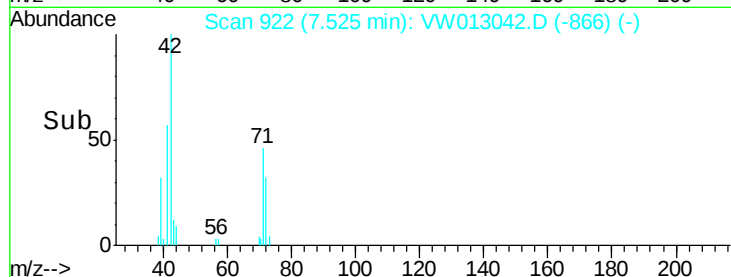
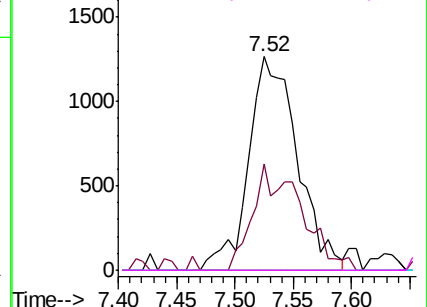


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 56.421 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013042.D

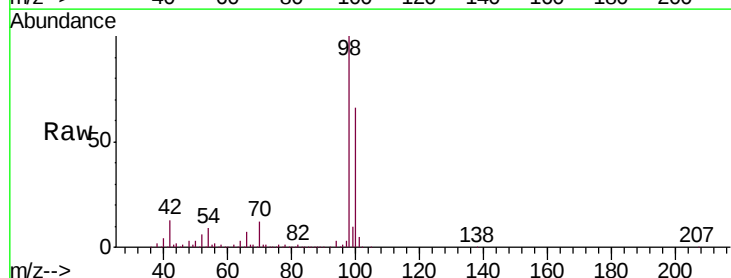
Acq: 16 Sep 2019 15:32

Tgt Ion: 98 Resp: 549454

Ion Ratio Lower Upper

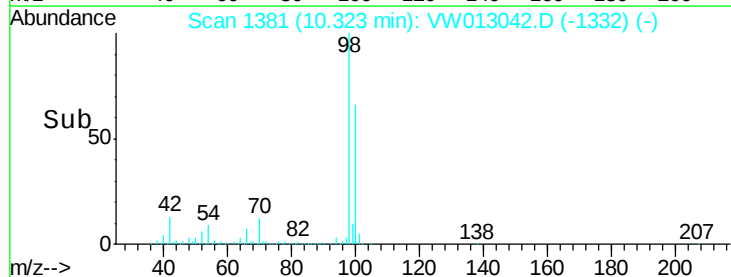
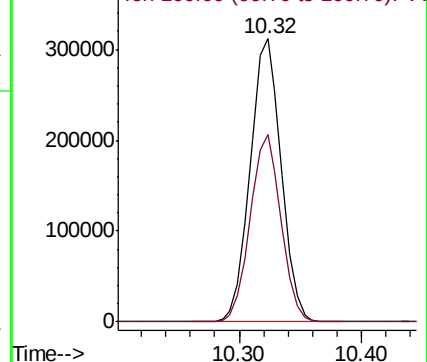
98 100

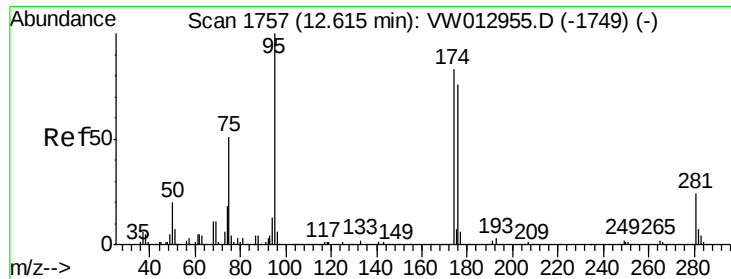
100 65.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 50.507 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013042.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

ROLL-OFF-VOC-1

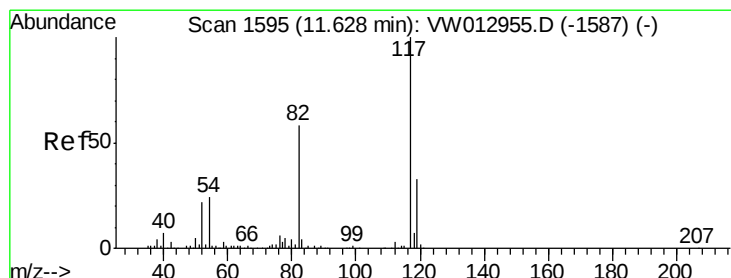
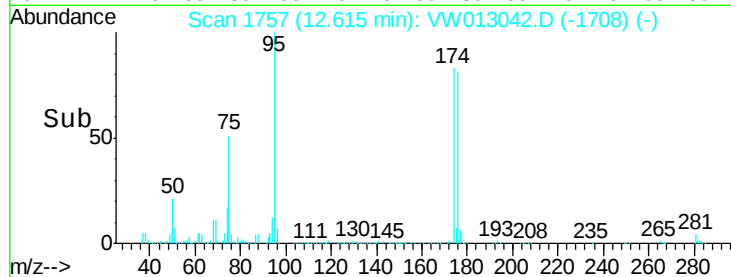
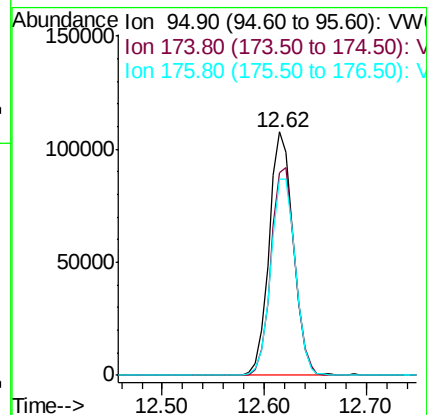
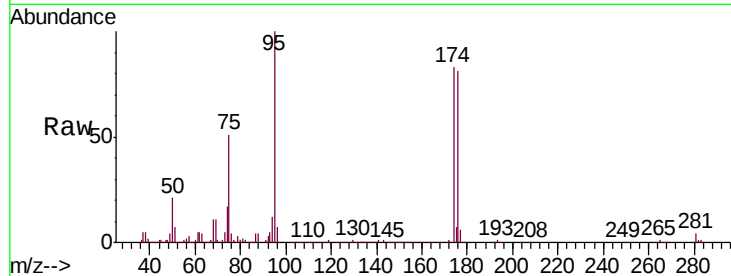
Tgt Ion: 95 Resp: 176865

Ion Ratio Lower Upper

95 100

174 84.4 0.0 170.4

176 81.9 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: VW013042.D

Acq: 16 Sep 2019 15:32

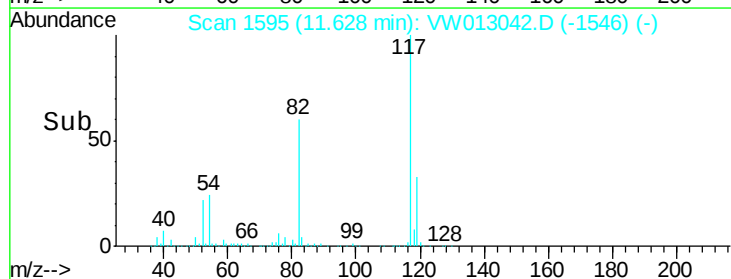
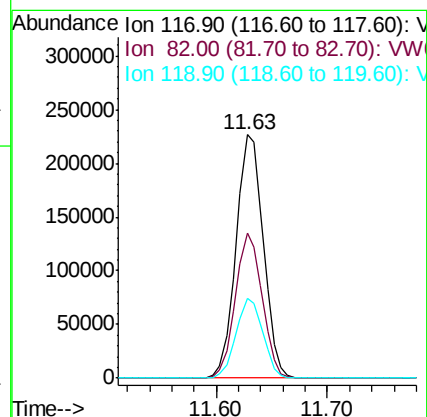
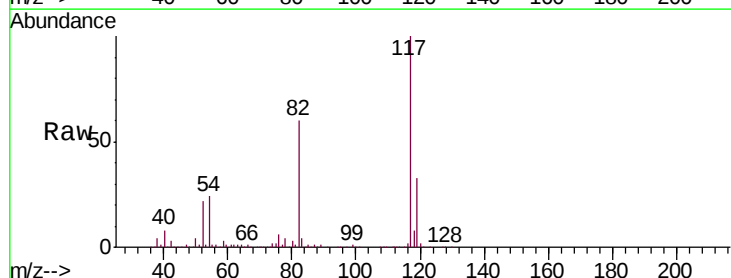
Tgt Ion: 117 Resp: 383883

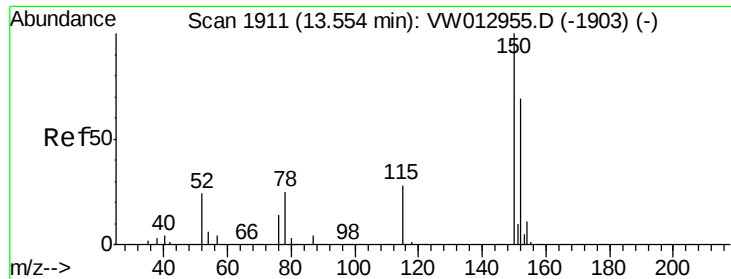
Ion Ratio Lower Upper

117 100

82 59.8 46.3 69.5

119 32.6 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013042.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

ROLL-OFF-VOC-1

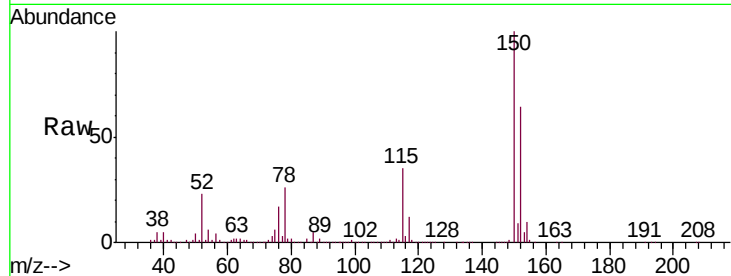
Tgt Ion:152 Resp: 166941

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.4

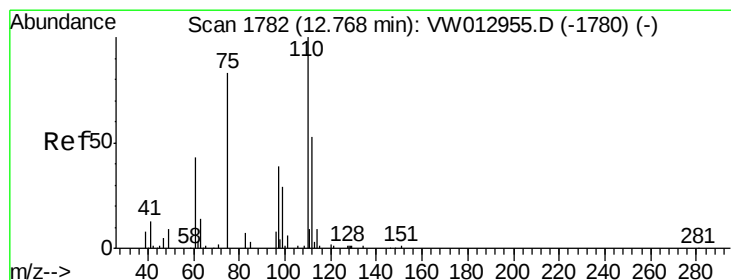
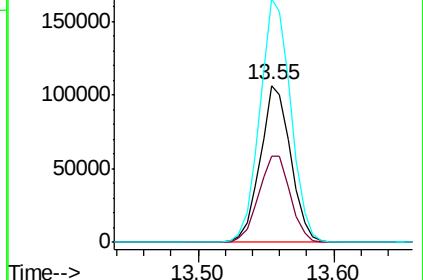
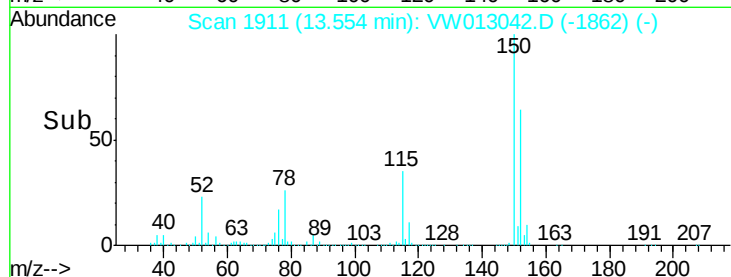
150 157.7 0.0 340.2



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: 61.547 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013042.D

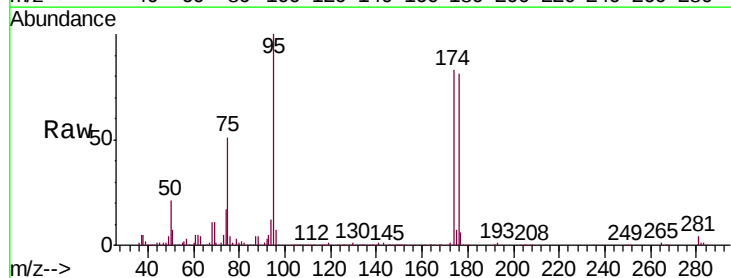
Acq: 16 Sep 2019 15:32

Tgt Ion: 75 Resp: 89999

Ion Ratio Lower Upper

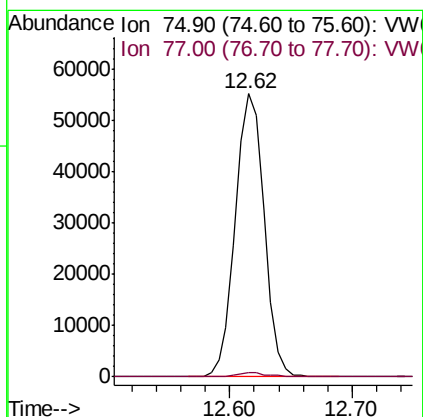
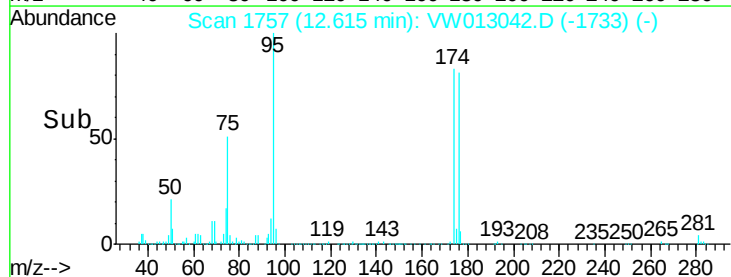
75 100

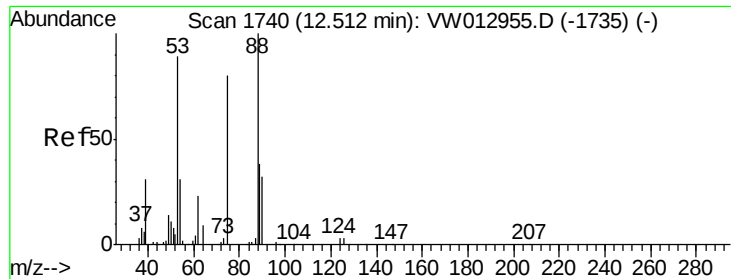
77 2.0 0.0 0.0#



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: 139.619 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013042.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

ROLL-OFF-VOC-1

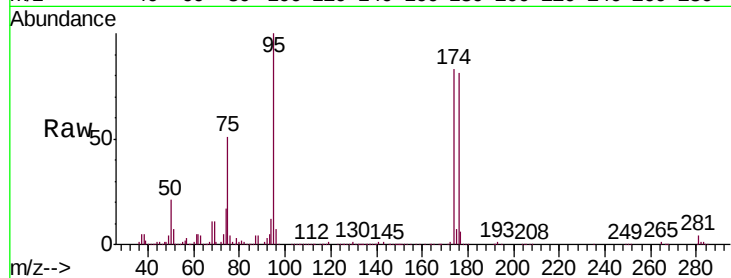
Tgt Ion: 75 Resp: 89999

Ion Ratio Lower Upper

75 100

53 0.4 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

