

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013453.D
 Acq On : 07 Oct 2019 10:39
 Operator : SY/VA
 Sample : VW1007SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBL01

Quant Time: Oct 07 16:48:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	329228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	475928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	405654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	204943	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	131193	53.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.74%	
35) Dibromofluoromethane	7.88	113	134605	53.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.80%	
50) Toluene-d8	10.32	98	553775	53.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.62	95	187413	54.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.30%	

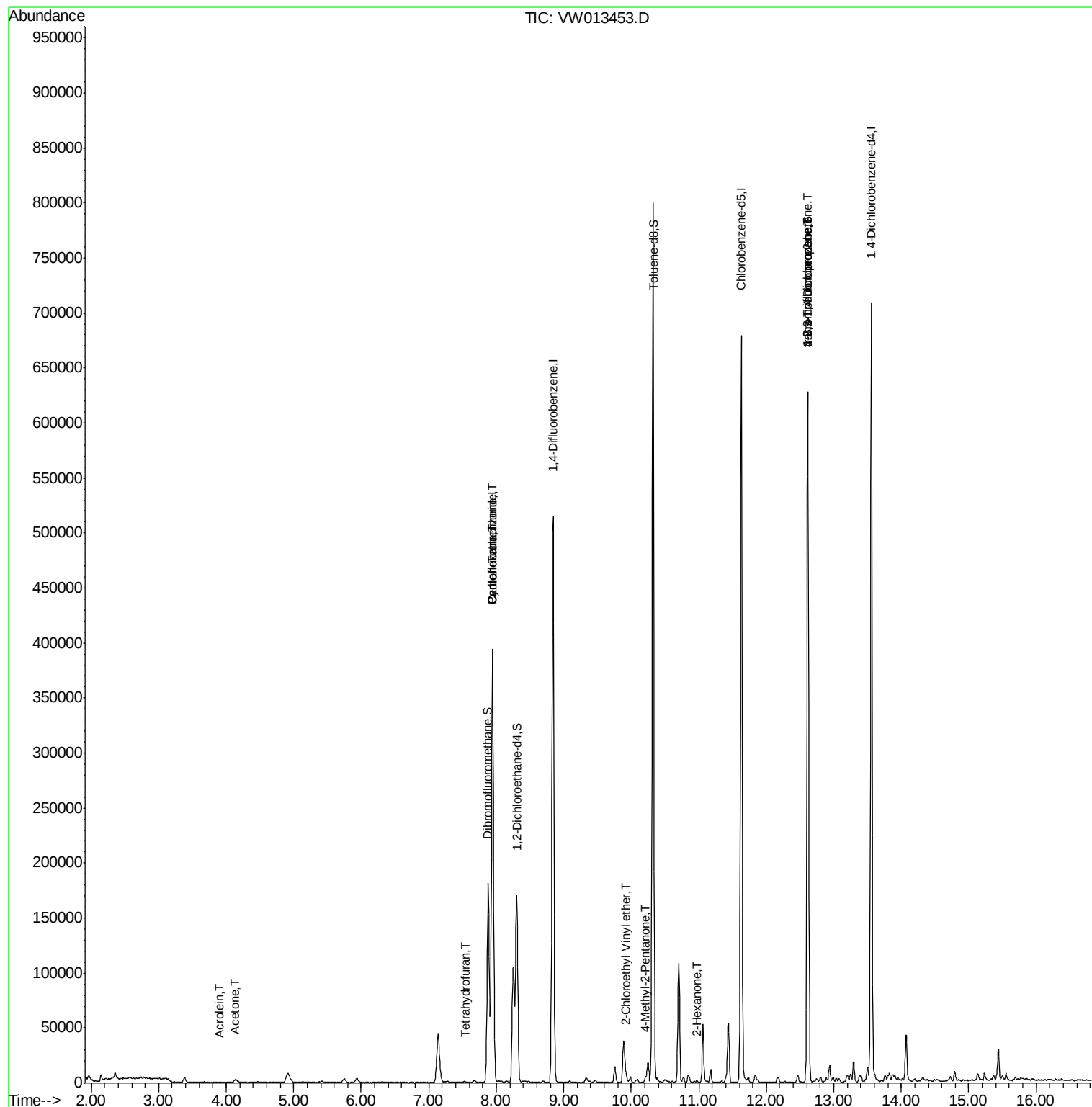
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	612	Below Cal	#	73
13) Acrolein	3.89	56	329	11.845	ug/l #	34
16) Acetone	4.14	43	6738	8.942	ug/l	94
26) 2,2-Dichloropropane	7.13	77	3717	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	708	10.907	ug/l #	85
31) Cyclohexane	7.94	56	5965	1.061	ug/l #	1
38) Carbon Tetrachloride	7.95	117	27853	7.274	ug/l #	19
49) 1,4-Dioxane	9.45	88	64	Below Cal	#	8
51) 4-Methyl-2-Pentanone	10.21	43	3966	2.056	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.92	63	2697	2.185	ug/l	90
59) 2-Hexanone	10.97	43	1764	1.319	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	86564	47.524	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86564	96.771	ug/l #	12

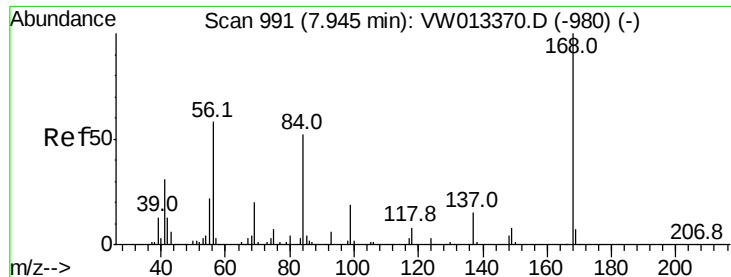
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013453.D

Acq: 07 Oct 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

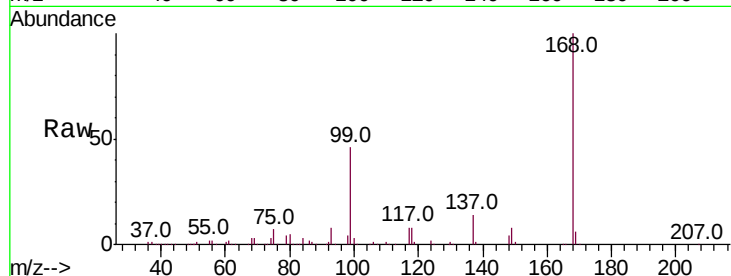
VW1007SBL01

Tot Ion:168 Resp: 329228

Ion Ratio Lower Upper

168 100

99 45.8 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

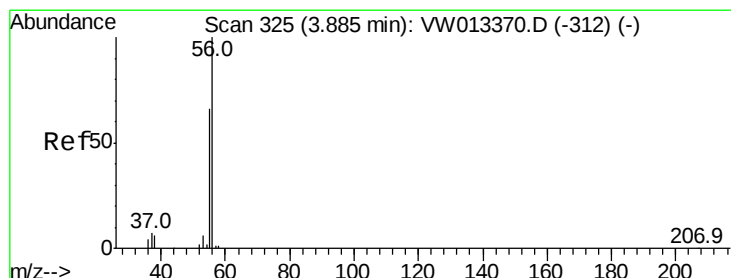
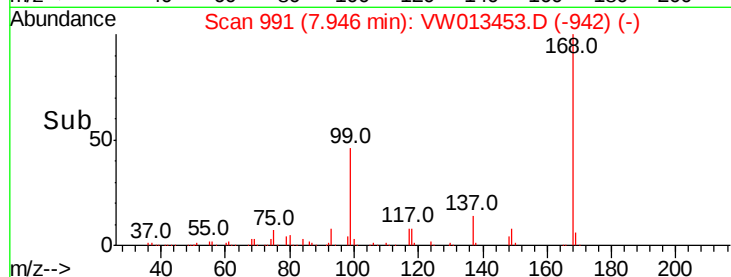
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#13

Acrolein

Concen: 11.845 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013453.D

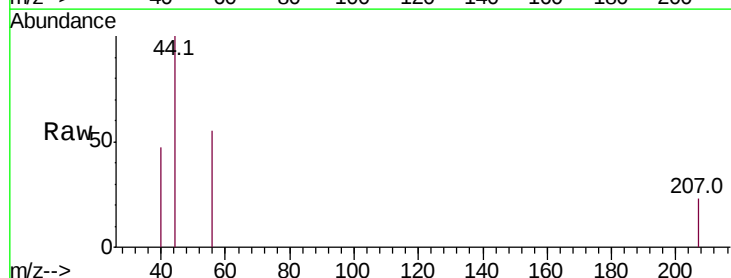
Acq: 07 Oct 2019 10:39

Tgt Ion: 56 Resp: 329

Ion Ratio Lower Upper

56 100

55 15.5 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

200

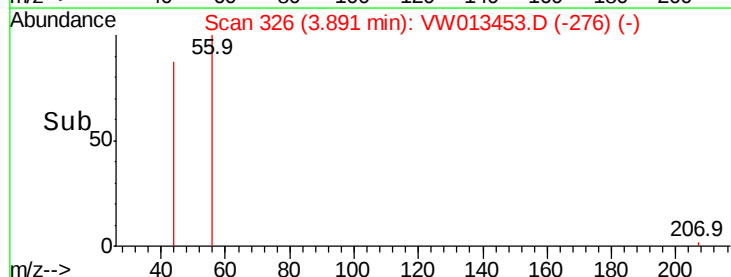
150

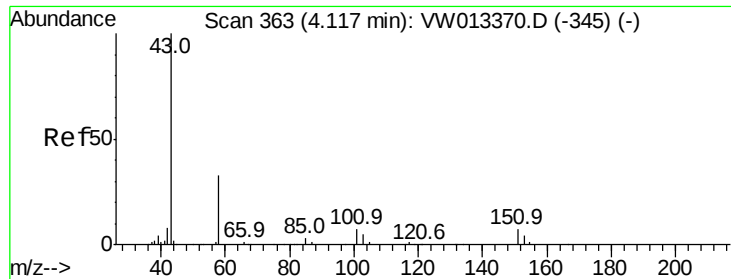
100

50

0

Time--> 3.85 3.90 3.95





#16

Acetone

Concen: 8.942 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013453.D

Acq: 07 Oct 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

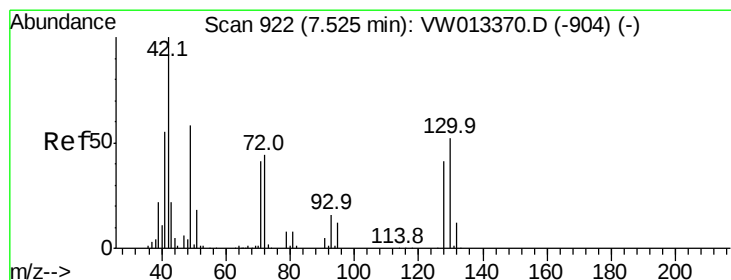
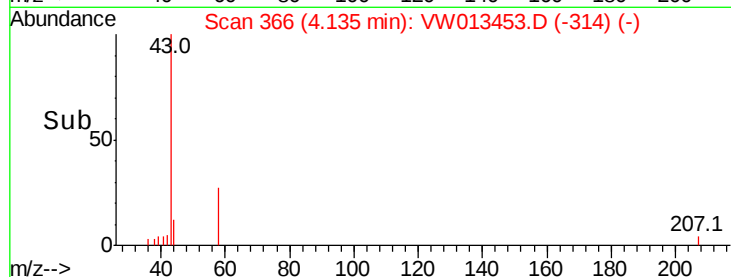
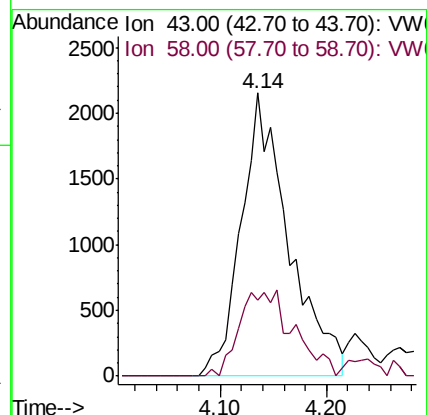
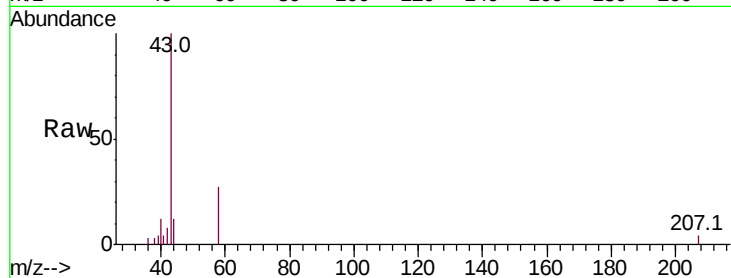
VW1007SBL01

Tot Ion: 43 Resp: 6738

Ion Ratio Lower Upper

43 100

58 26.8 24.1 36.1



#29

Tetrahydrofuran

Concen: 10.907 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW013453.D

Acq: 07 Oct 2019 10:39

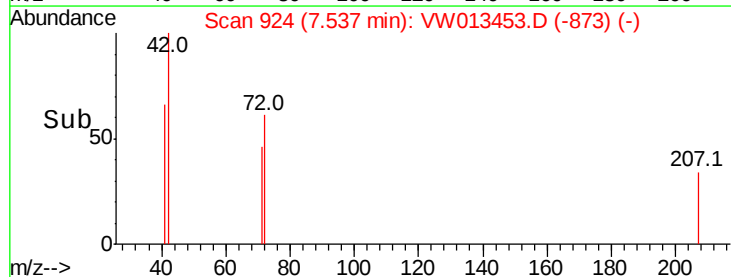
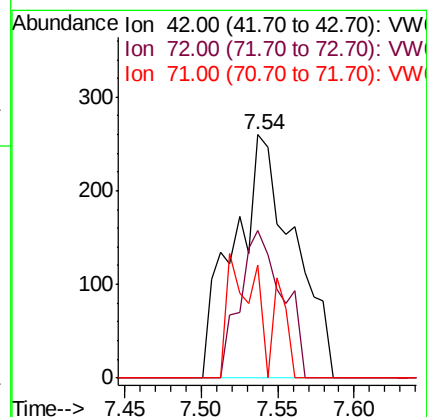
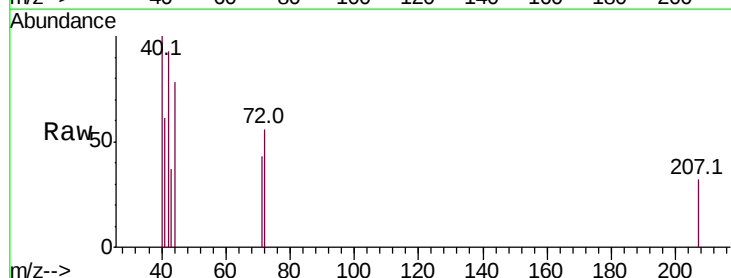
Tgt Ion: 42 Resp: 708

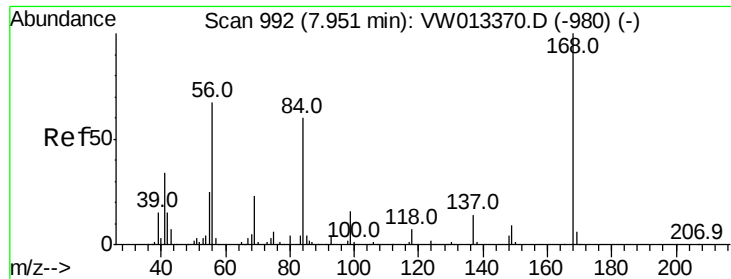
Ion Ratio Lower Upper

42 100

72 43.1 33.9 50.9

71 21.8 31.9 47.9#

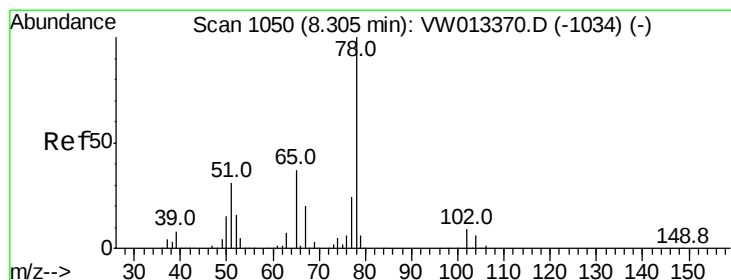
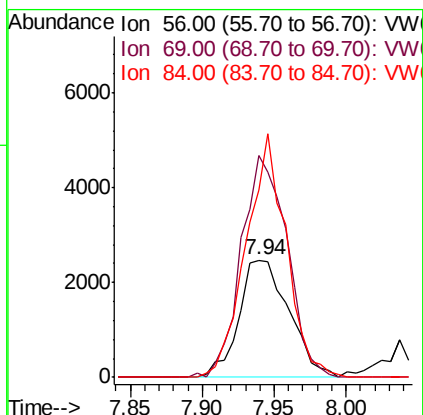
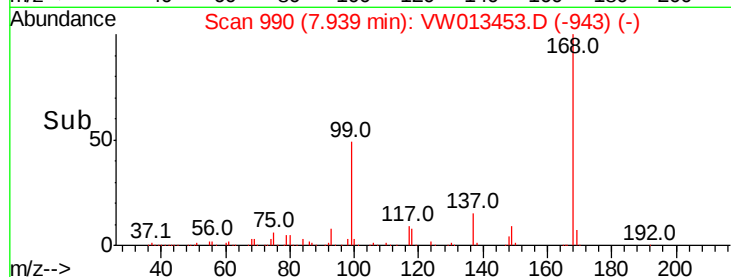
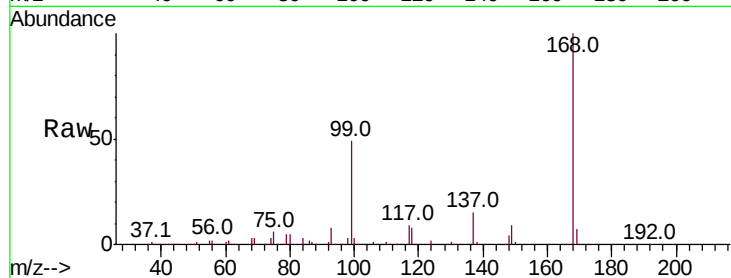




#31
Cyclohexane
Concen: 1.061 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013453.D
Acq: 07 Oct 2019 10:39

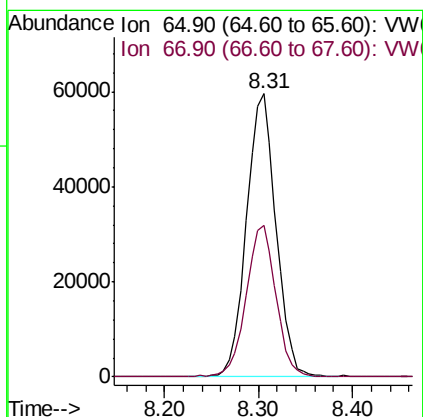
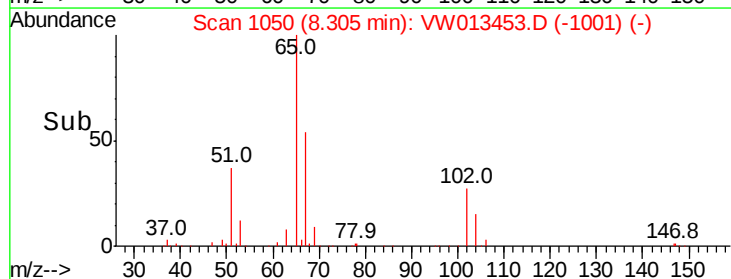
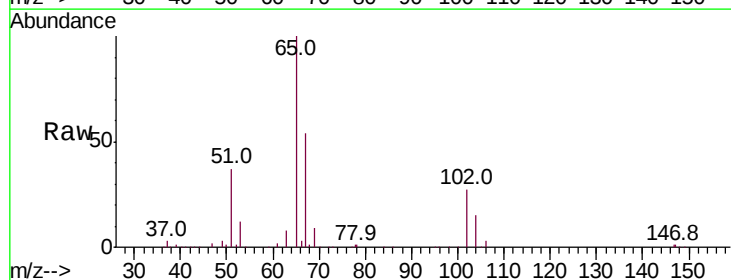
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBL01

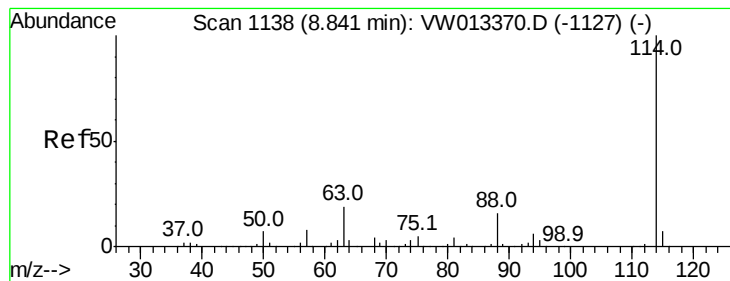
Tot Ion: 56 Resp: 5965
Ion Ratio Lower Upper
56 100
69 189.4 27.2 40.8#
84 160.4 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 53.368 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW013453.D
Acq: 07 Oct 2019 10:39

Tgt Ion: 65 Resp: 131193
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013453.D

Acq: 07 Oct 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBL01

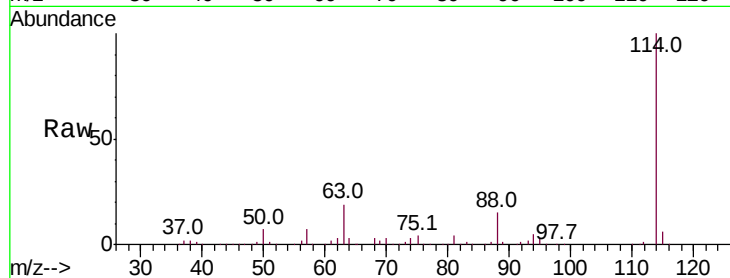
Tot Ion:114 Resp: 475928

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.4

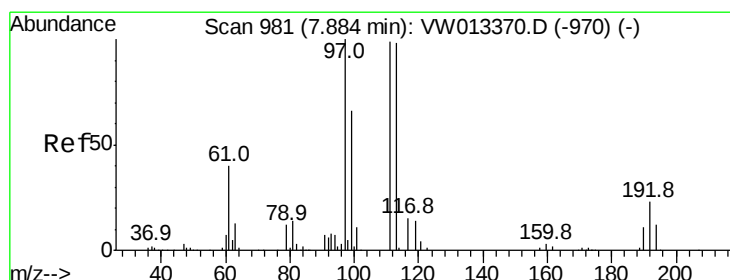
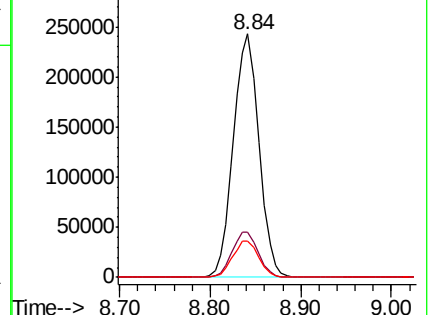
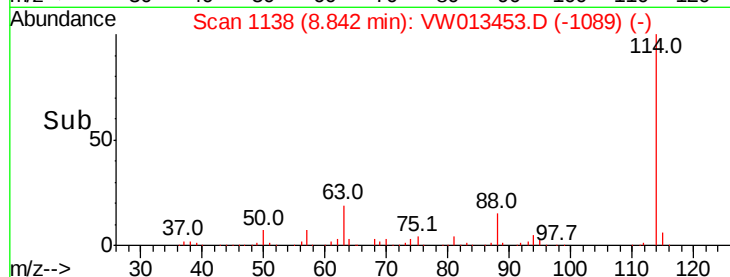
88 14.8 0.0 32.0



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: 53.900 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013453.D

Acq: 07 Oct 2019 10:39

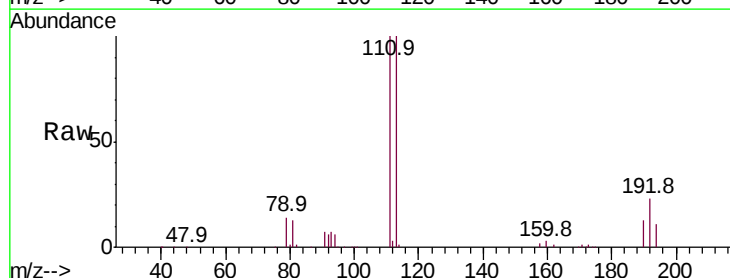
Tgt Ion:113 Resp: 134605

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

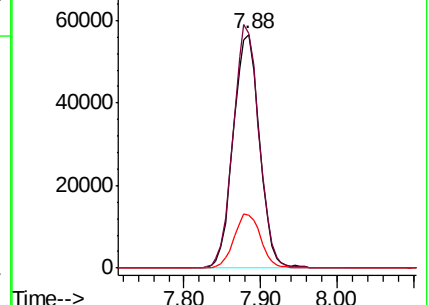
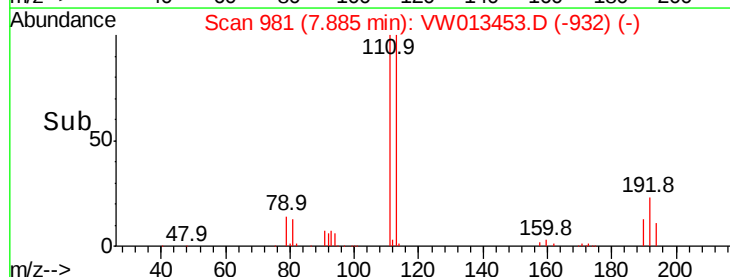
192 23.4 19.1 28.7

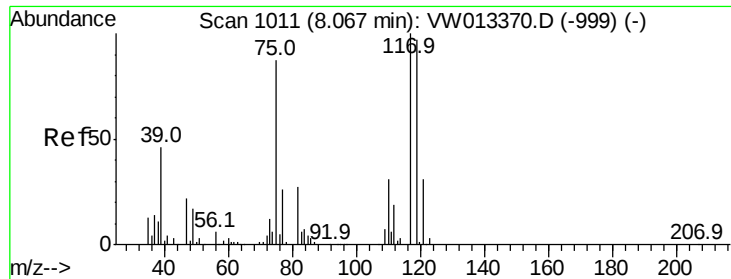


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 7.274 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013453.D

Acq: 07 Oct 2019 10:39

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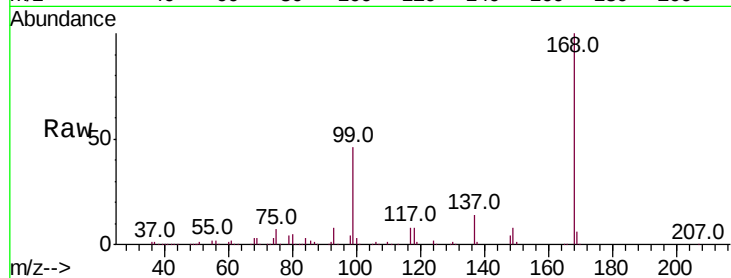
Tot Ion:117 Resp: 27853

Ion Ratio Lower Upper

117 100

119 6.7 73.5 110.3#

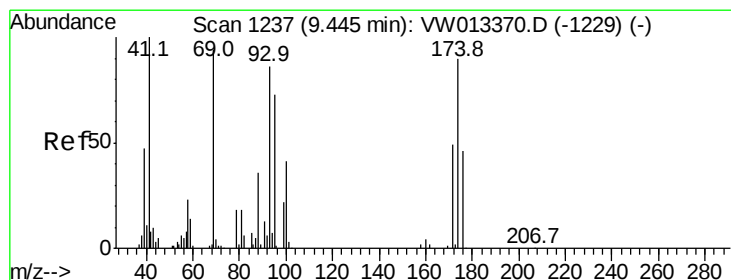
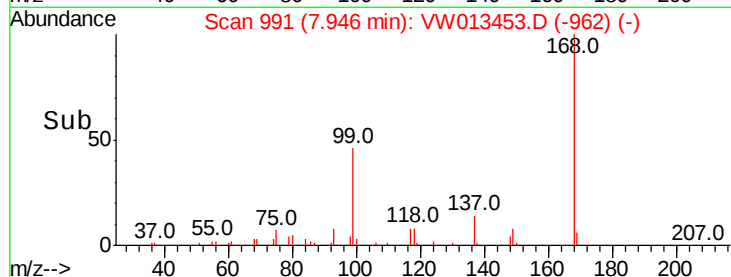
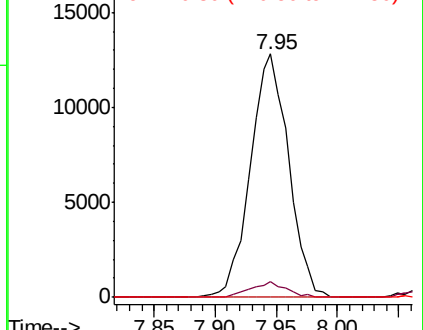
121 0.0 25.0 37.6#



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: Below Cal

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW013453.D

Acq: 07 Oct 2019 10:39

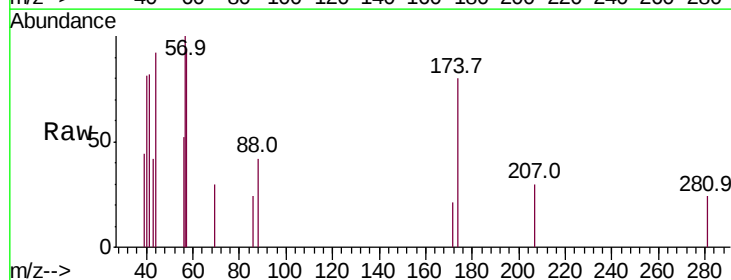
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 192.2 0.0 0.0#

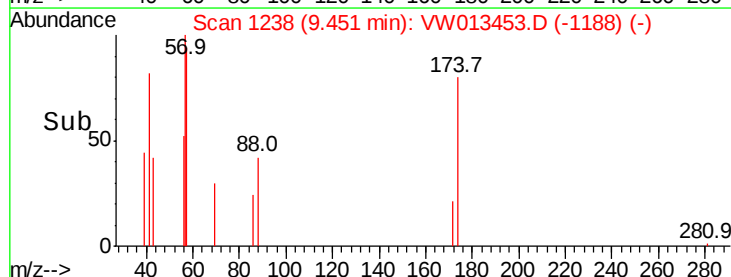
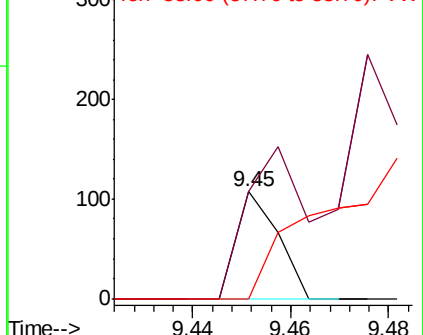
58 0.0 65.4 98.0#

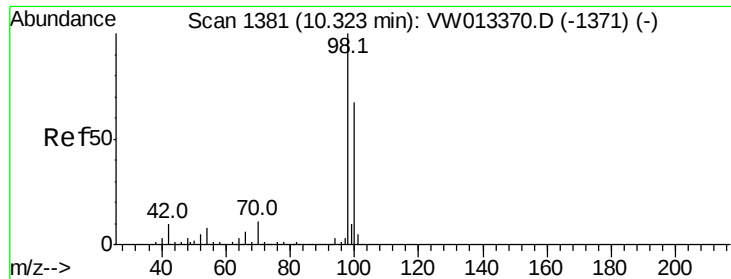


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

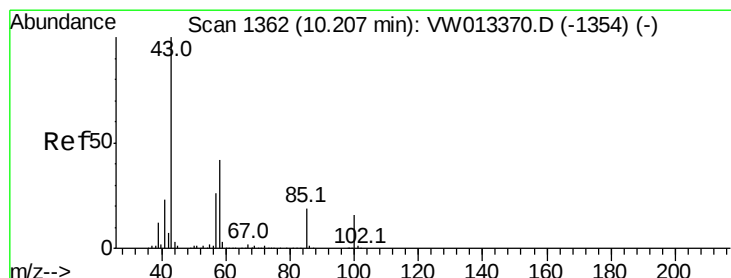
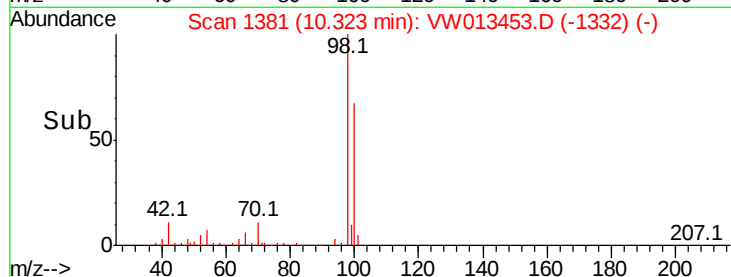
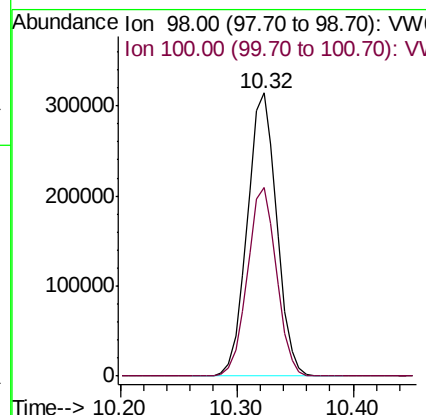
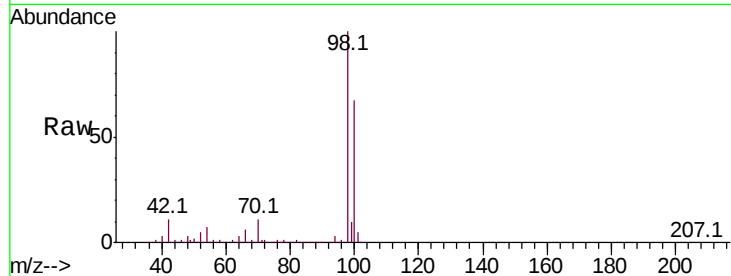




#50
Toluene-d8
Concen: 53.436 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013453.D
Acq: 07 Oct 2019 10:39

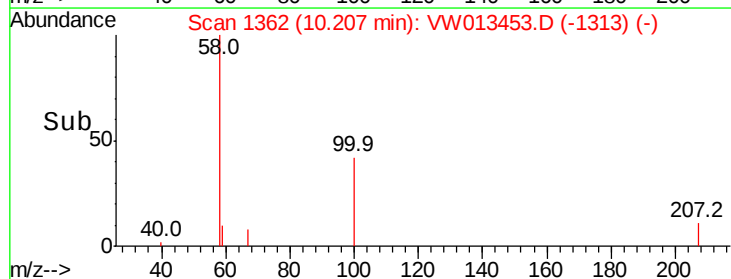
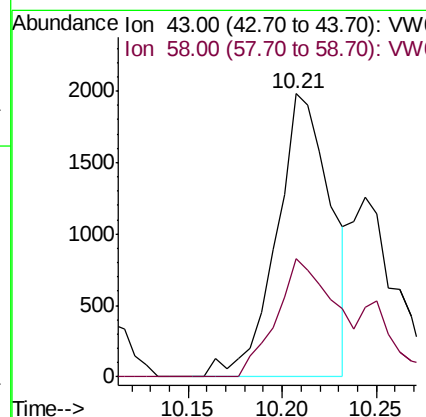
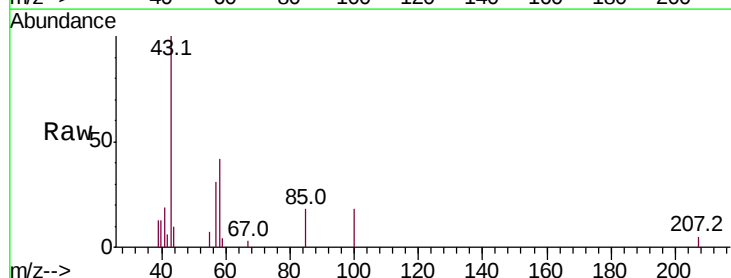
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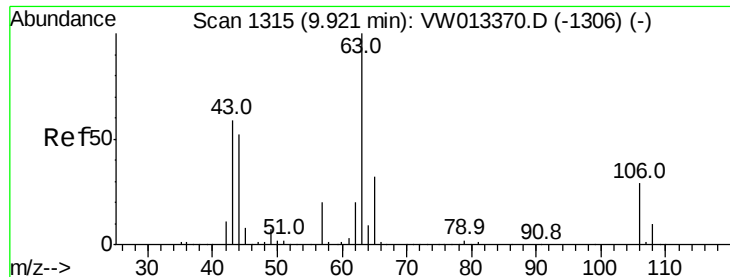
Tot Ion: 98 Resp: 553775
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 2.056 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013453.D
Acq: 07 Oct 2019 10:39

Tgt Ion: 43 Resp: 3966
Ion Ratio Lower Upper
43 100
58 44.9 31.7 47.5

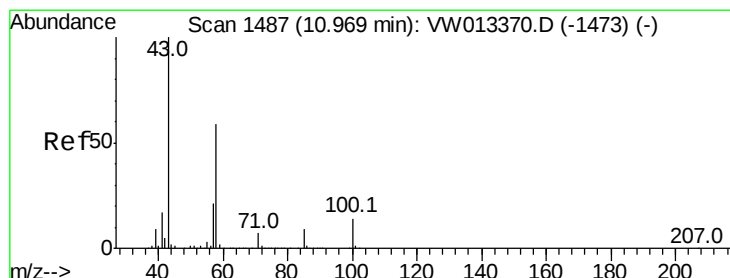
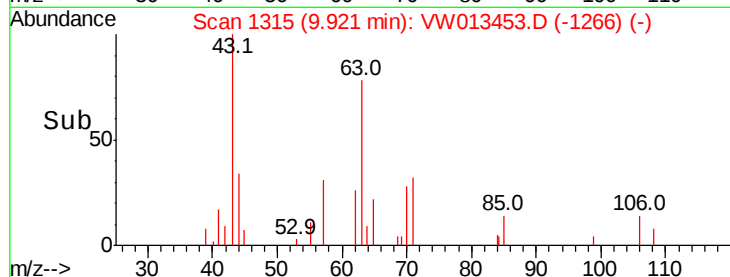
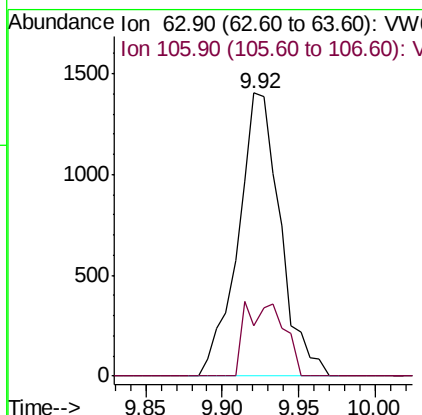
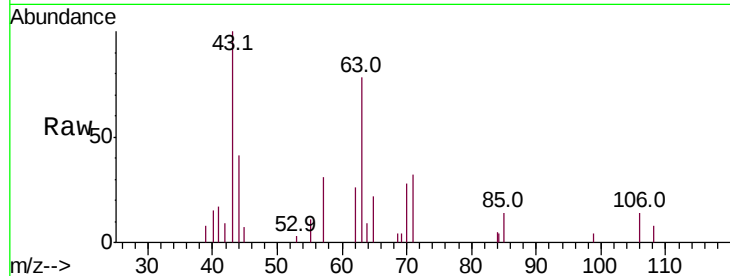




#58
2-Chloroethyl Vinyl ether
Concen: 2.185 ug/l
RT: 9.92 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VW013453.D
Acq: 07 Oct 2019 10:39

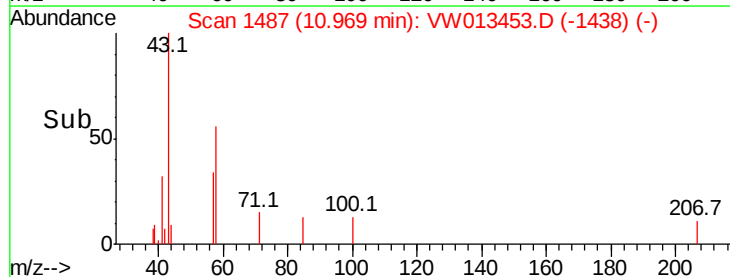
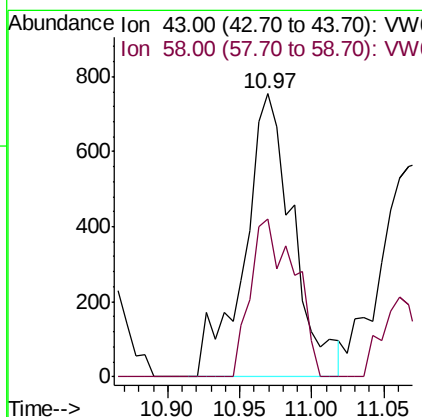
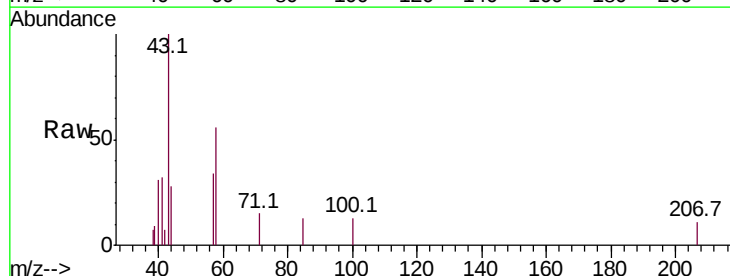
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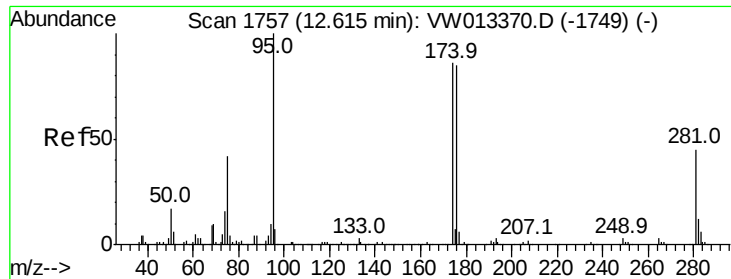
Tot Ion: 63 Resp: 2697
Ion Ratio Lower Upper
63 100
106 24.0 23.4 35.0



#59
2-Hexanone
Concen: 1.319 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013453.D
Acq: 07 Oct 2019 10:39

Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
58 50.7 28.1 84.2





#62

4-Bromofluorobenzene

Concen: 54.154 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013453.D

Acq: 07 Oct 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBL01

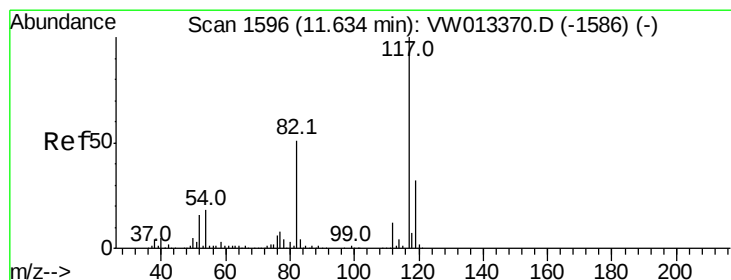
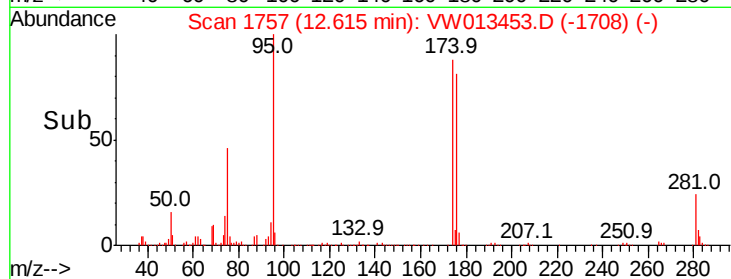
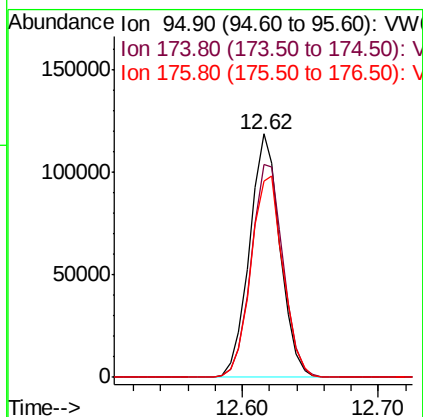
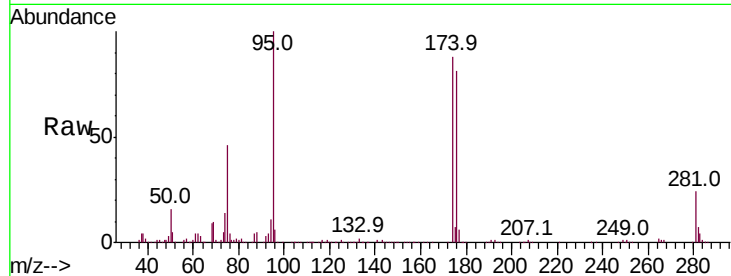
Tot Ion: 95 Resp: 187413

Ion Ratio Lower Upper

95 100

174 91.5 0.0 178.4

176 87.6 0.0 172.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW013453.D

Acq: 07 Oct 2019 10:39

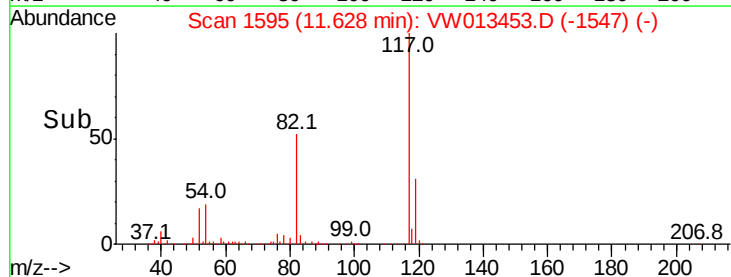
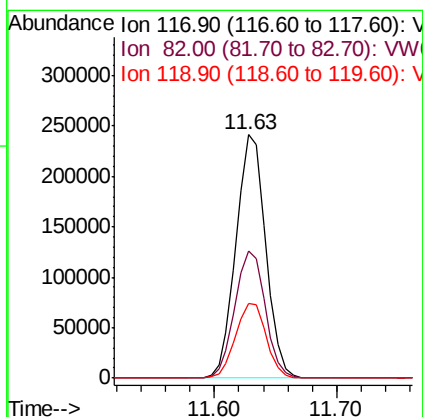
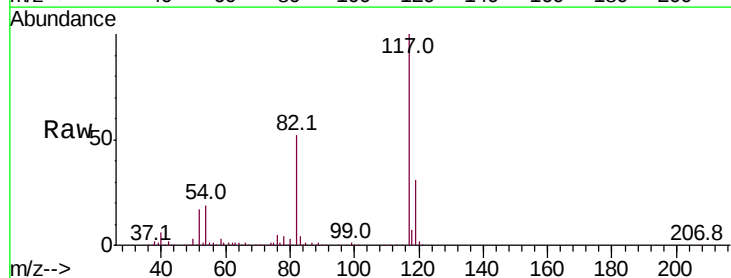
Tgt Ion: 117 Resp: 405654

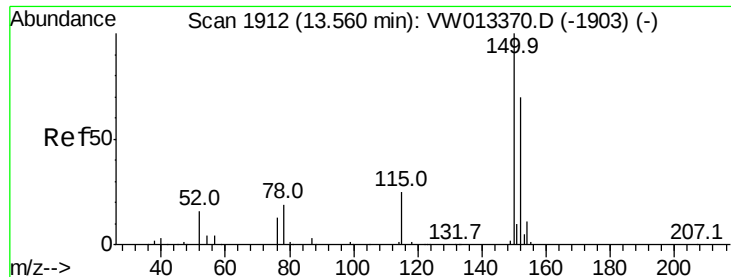
Ion Ratio Lower Upper

117 100

82 52.2 45.9 68.9

119 30.9 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013453.D

Acq: 07 Oct 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBL01

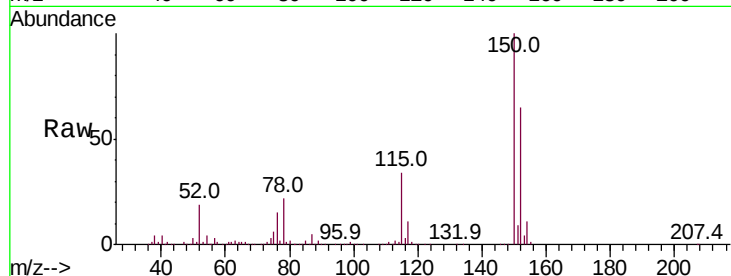
Tot Ion:152 Resp: 204943

Ion Ratio Lower Upper

152 100

115 53.9 27.3 81.9

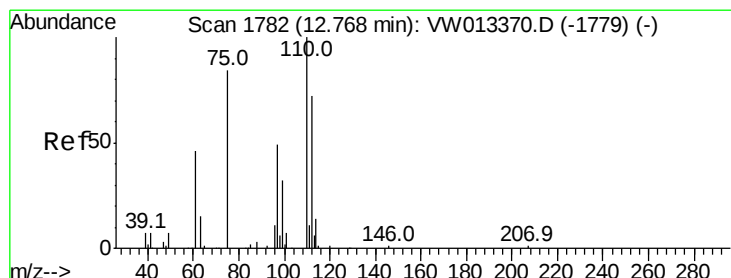
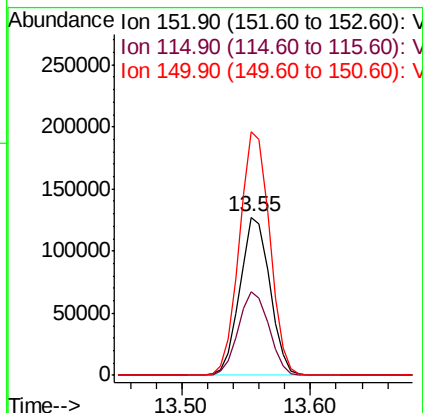
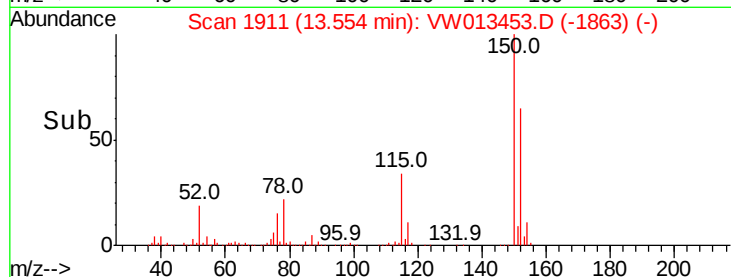
150 155.8 0.0 349.0



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: 47.524 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013453.D

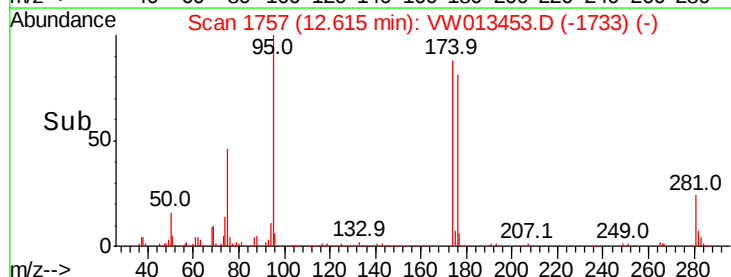
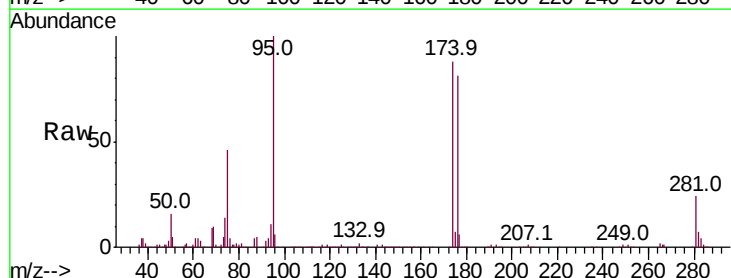
Acq: 07 Oct 2019 10:39

Tgt Ion: 75 Resp: 86564

Ion Ratio Lower Upper

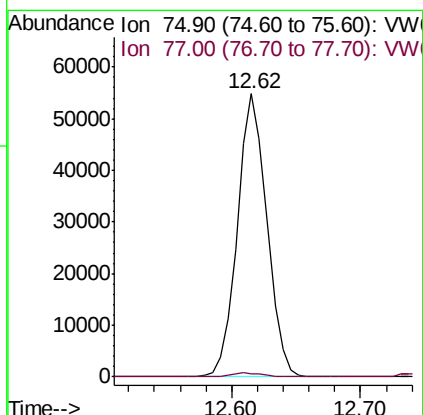
75 100

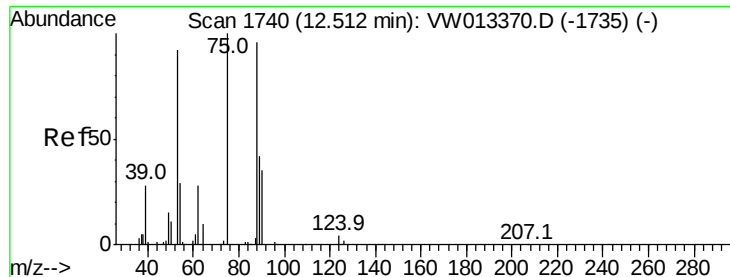
77 1.7 0.0 0.0#



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: 96.771 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013453.D

Acq: 07 Oct 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBL01

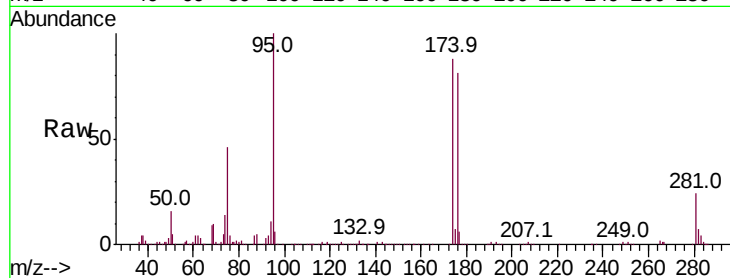
Tot Ion: 75 Resp: 86564

Ion Ratio Lower Upper

75 100

53 0.1 76.6 114.8#

89 0.2 33.5 50.3#



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

