

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012133.D
 Acq On : 23 Aug 2019 15:21
 Operator : SY/VA
 Sample : VW0823SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBL01

Quant Time: Aug 26 07:27:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	305946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131431	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	137540	52.19	ug/l	0.00
Spiked Amount						
			Recovery	=	104.38%	
35) Dibromofluoromethane	7.88	113	112308	51.69	ug/l	0.00
Spiked Amount						
			Recovery	=	103.38%	
50) Toluene-d8	10.32	98	446626	50.70	ug/l	0.00
Spiked Amount						
			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.62	95	146801	47.28	ug/l	0.00
Spiked Amount						
			Recovery	=	94.56%	

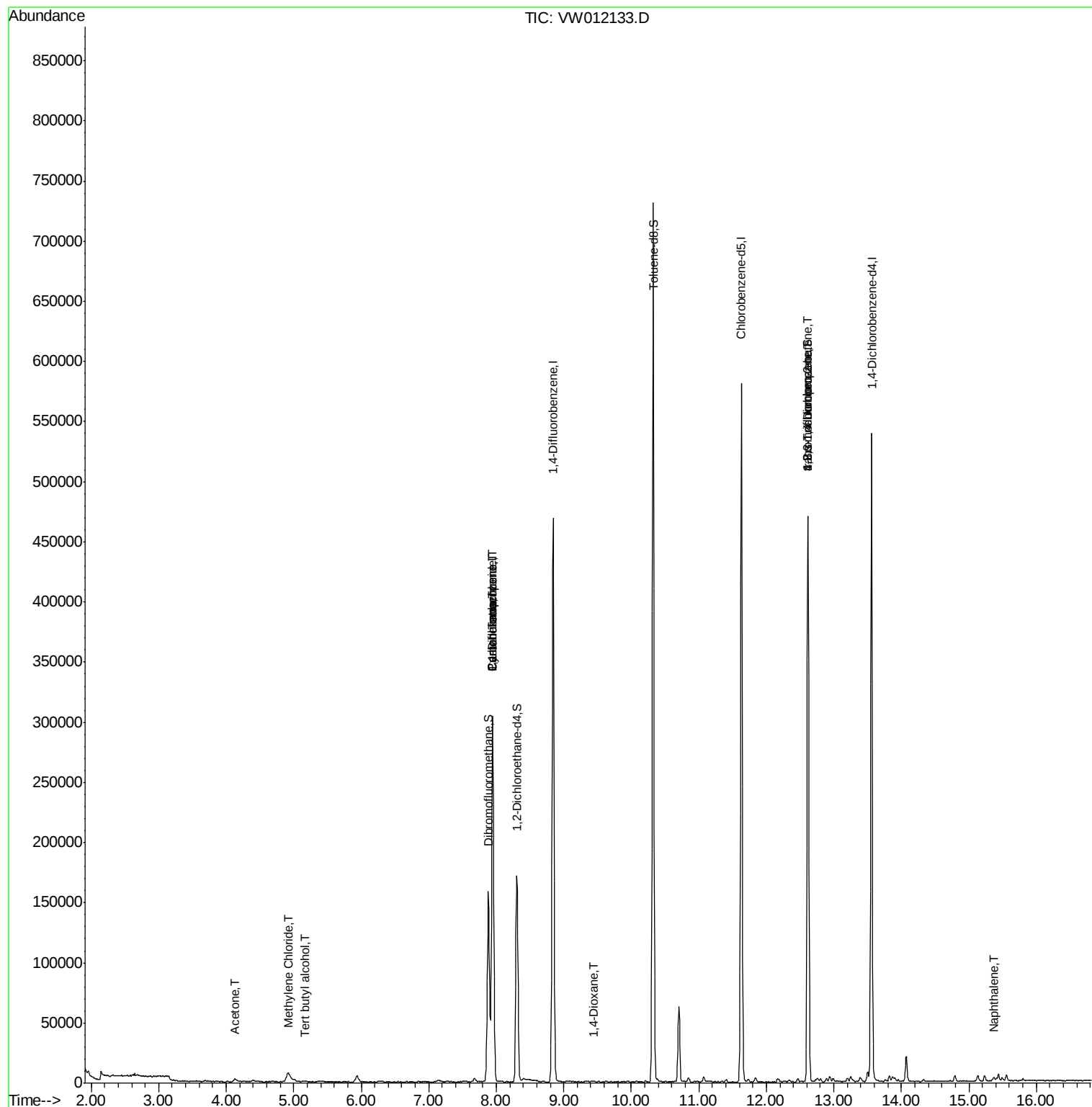
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	644	4.061	ug/l #	87
16) Acetone	4.12	43	5893	8.748	ug/l	97
20) Methylene Chloride	4.92	84	5579	2.191	ug/l #	85
31) Cyclohexane	7.95	56	5610	1.182	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	18624	4.952	ug/l #	53
38) Carbon Tetrachloride	7.95	117	22605	6.944	ug/l #	16
49) 1,4-Dioxane	9.45	88	22	1.169	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	78994	61.712	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78994	135.306	ug/l #	6
95) Naphthalene	15.37	128	2399	4.763	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012133.D

Acq: 23 Aug 2019 15:21

Instrument :

MSVOA_W

ClientSampleId :

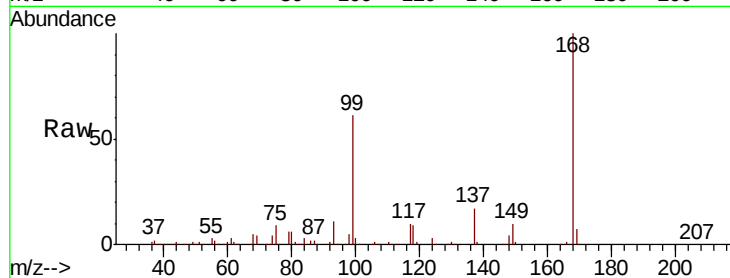
VW0823SBL01

Tgt Ion:168 Resp: 221688

Ion Ratio Lower Upper

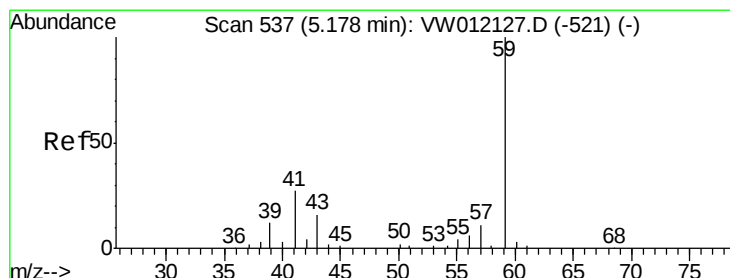
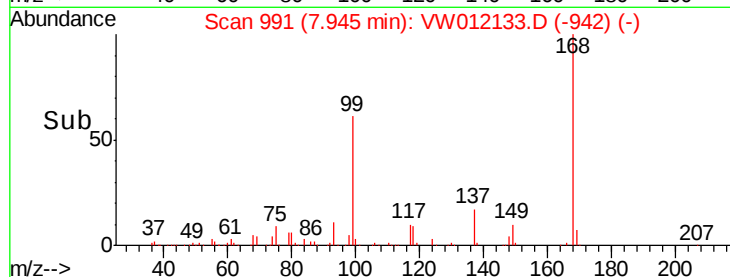
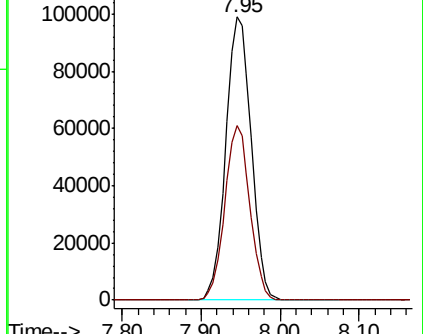
168 100

99 61.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.061 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW012133.D

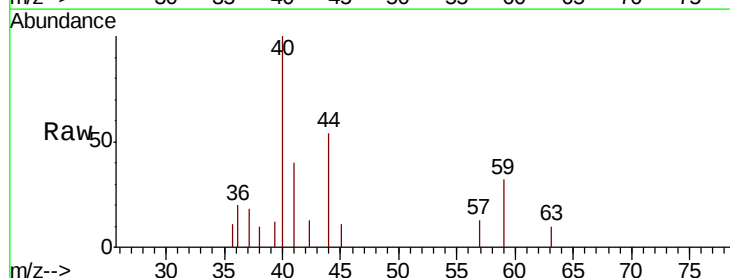
Acq: 23 Aug 2019 15:21

Tgt Ion: 59 Resp: 644

Ion Ratio Lower Upper

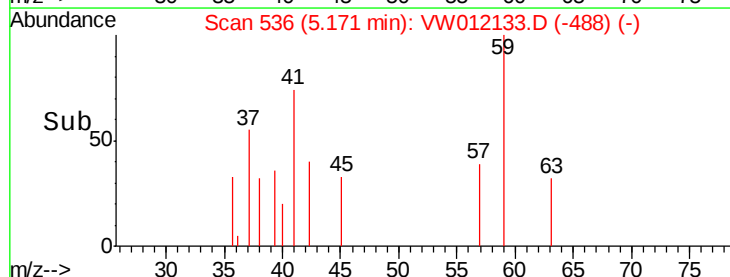
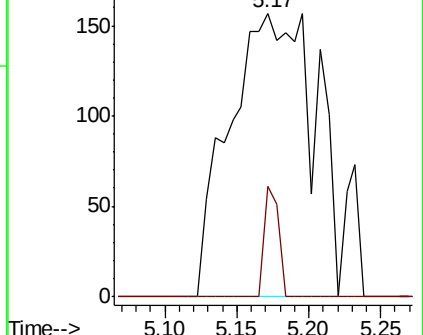
59 100

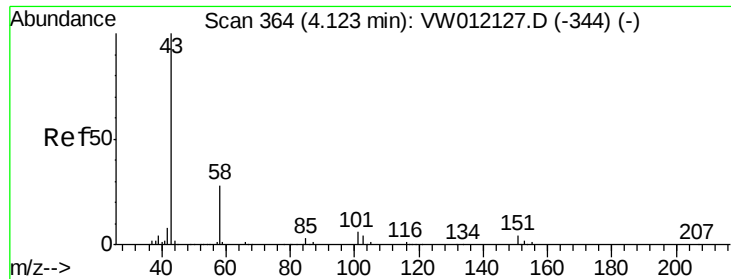
57 6.4 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 8.748 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012133.D

Acq: 23 Aug 2019 15:21

Instrument :

MSVOA_W

ClientSampleId :

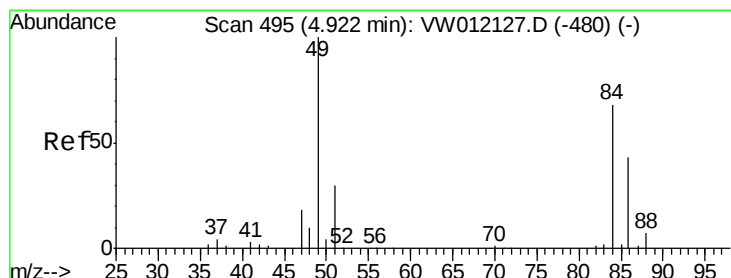
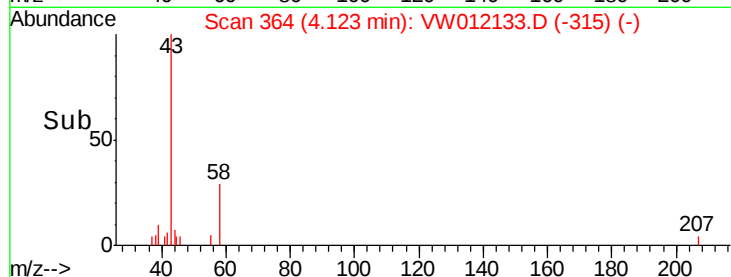
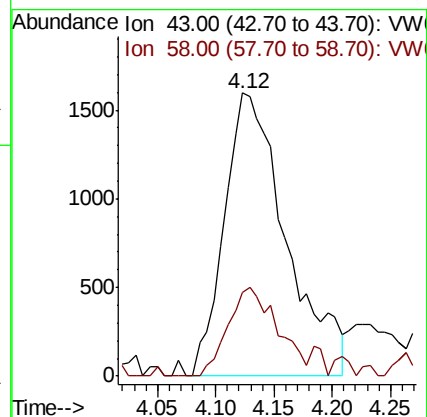
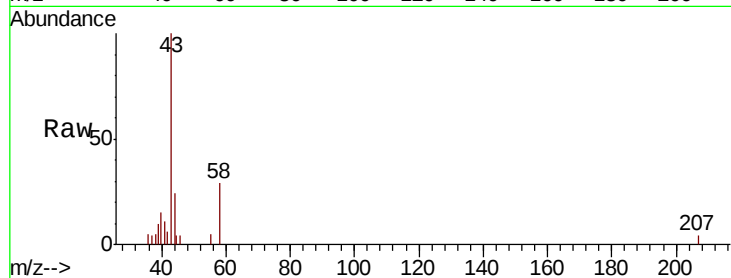
VW0823SBL01

Tgt Ion: 43 Resp: 5893

Ion Ratio Lower Upper

43 100

58 29.5 22.4 33.6



#20

Methylene Chloride

Concen: 2.191 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012133.D

Acq: 23 Aug 2019 15:21

Tgt Ion: 84 Resp: 5579

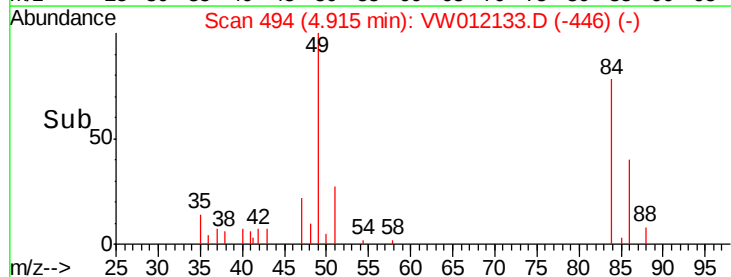
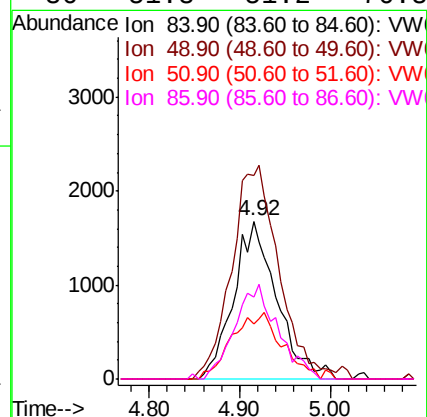
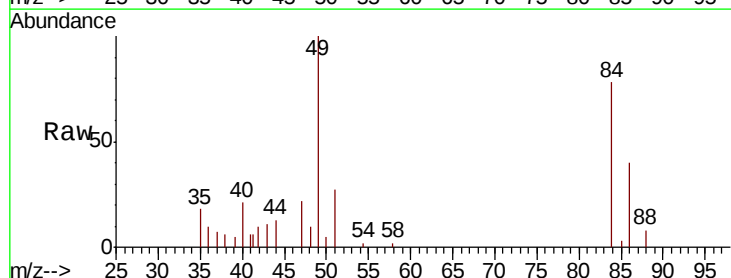
Ion Ratio Lower Upper

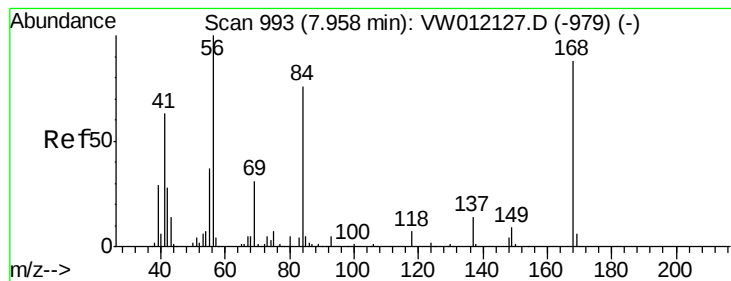
84 100

49 129.0 117.8 176.8

51 34.5 35.6 53.4#

86 51.8 51.2 76.8





#31

Cyclohexane

Concen: 1.182 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012133.D

Acq: 23 Aug 2019 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBL01

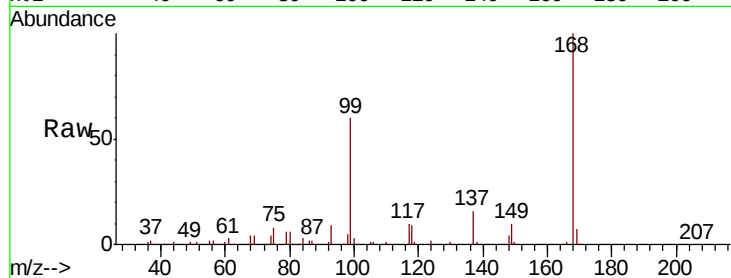
Tgt Ion: 56 Resp: 5610

Ion Ratio Lower Upper

56 100

69 159.1 24.9 37.3#

84 110.5 60.6 90.8#

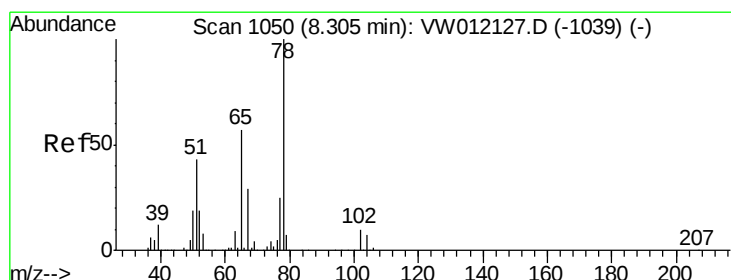
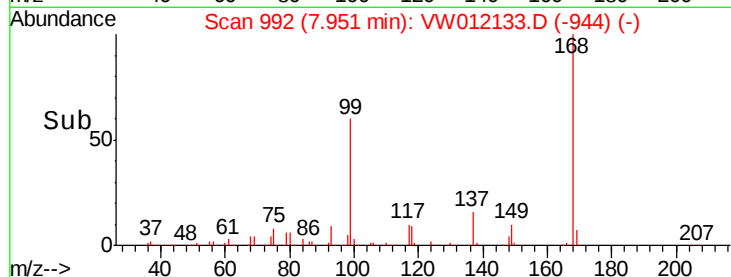
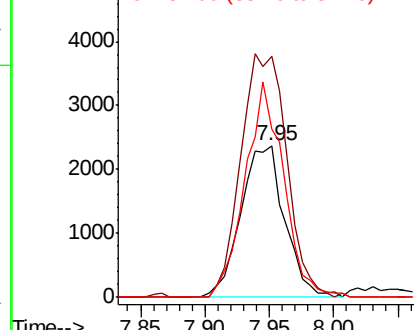


Abundance

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: 52.191 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012133.D

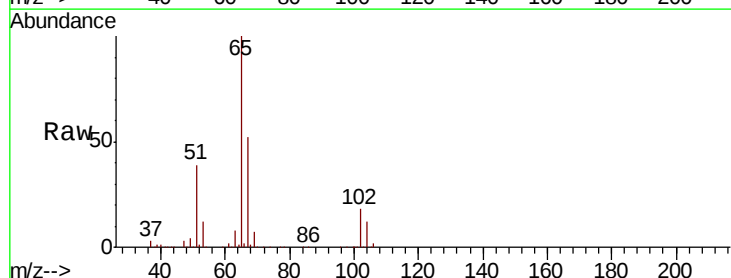
Acq: 23 Aug 2019 15:21

Tgt Ion: 65 Resp: 137540

Ion Ratio Lower Upper

65 100

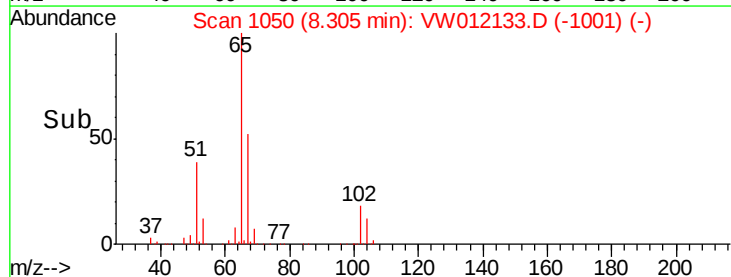
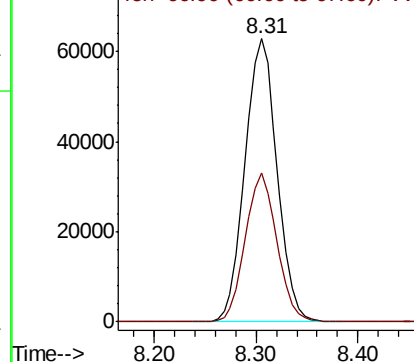
67 51.6 0.0 102.6

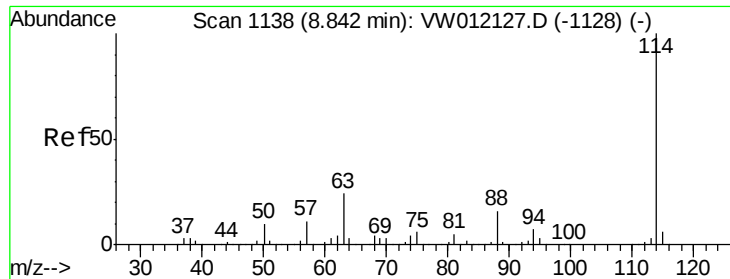


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

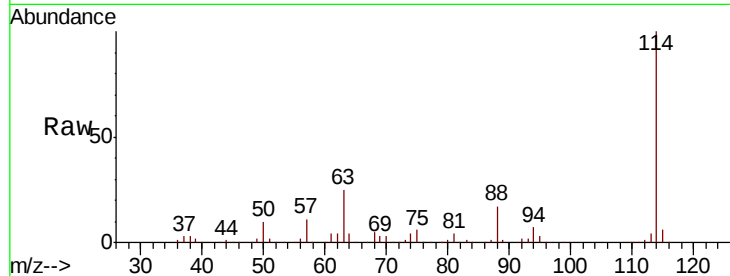




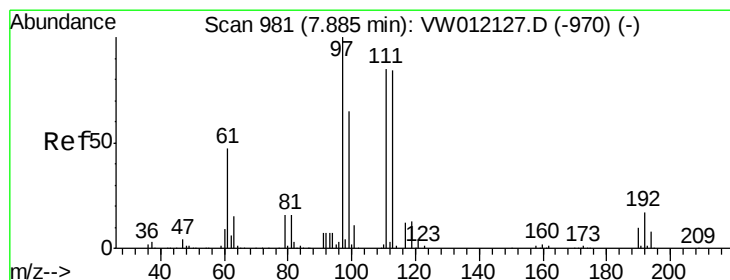
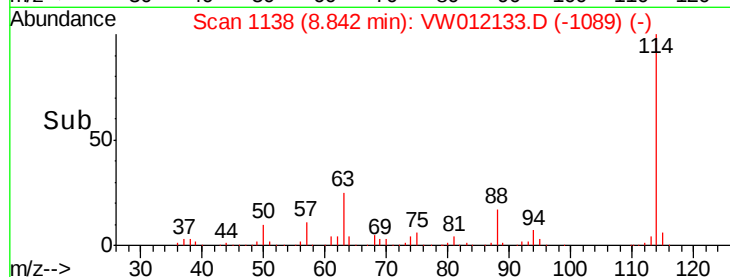
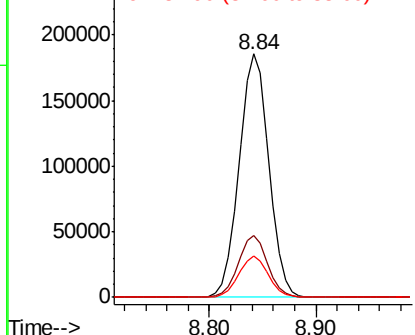
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012133.D
 Acq: 23 Aug 2019 15:21

Instrument :
 MSVOA_W
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 VW0823SBL01

Tgt Ion:114 Resp: 363964
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 48.6
 88 17.0 0.0 32.2

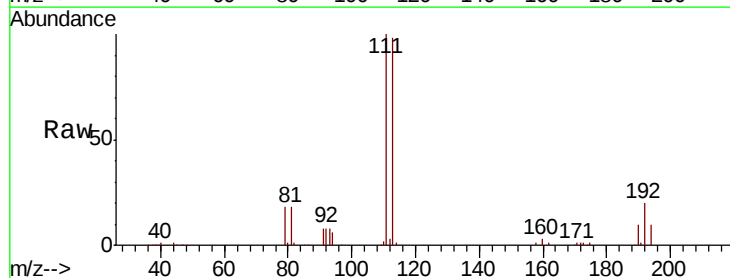


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

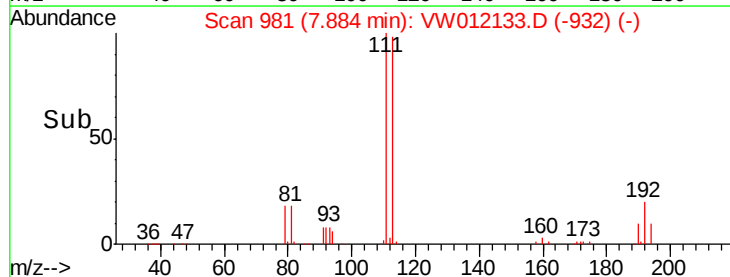
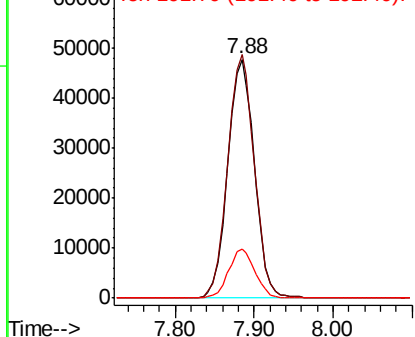


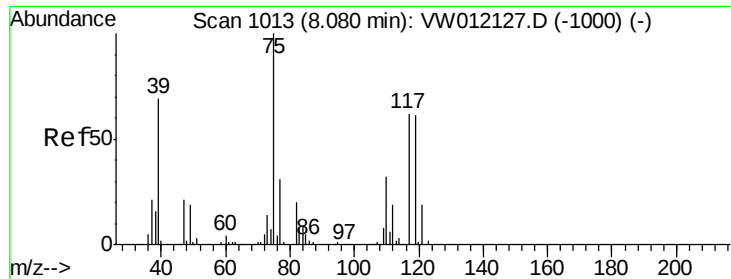
#35
 Dibromofluoromethane
 Concen: 51.695 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012133.D
 Acq: 23 Aug 2019 15:21

Tgt Ion:113 Resp: 112308
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.7 124.1
 192 20.1 16.2 24.2



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

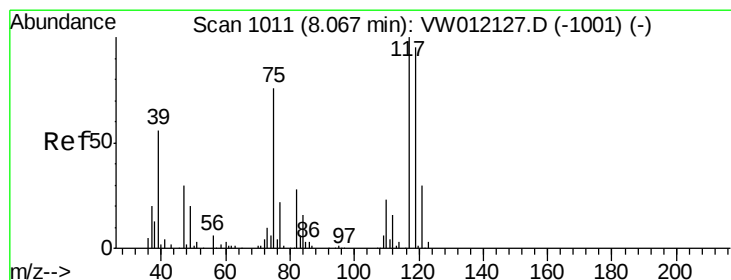
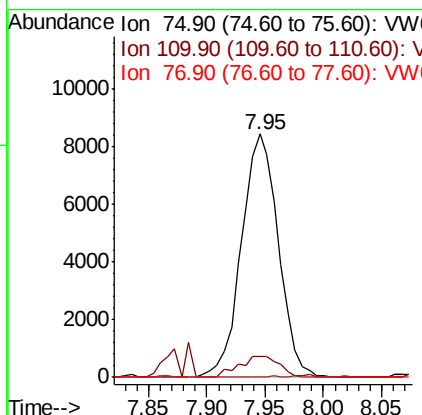
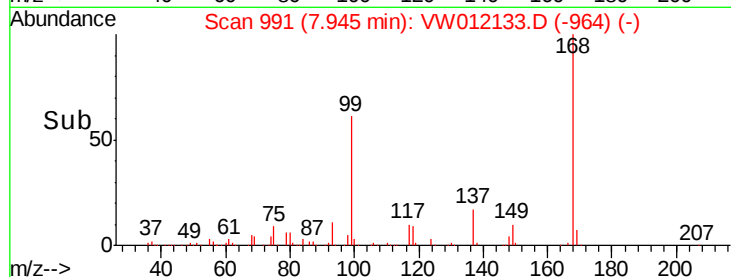
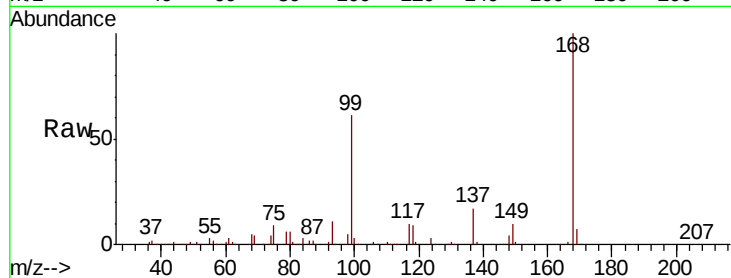




#36
 1,1-Dichloropropene
 Concen: 4.952 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012133.D
 Acq: 23 Aug 2019 15:21

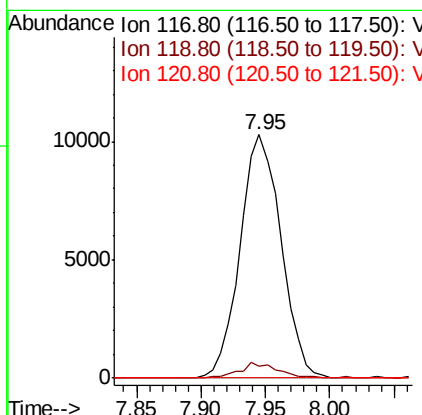
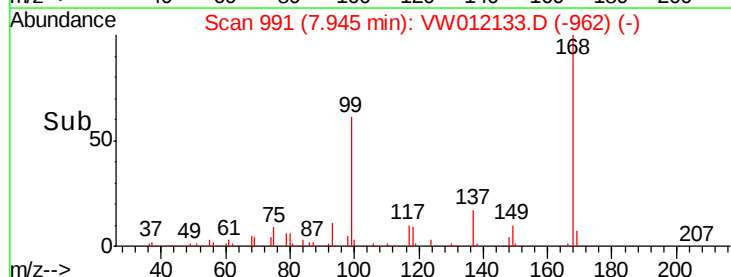
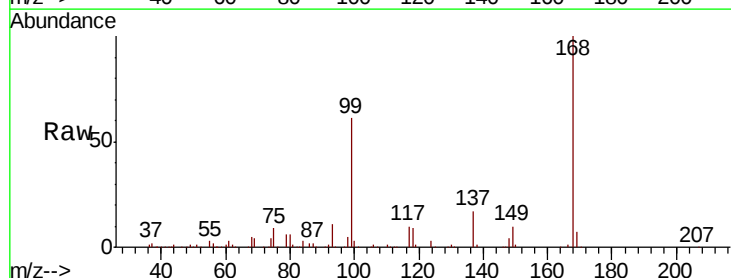
Instrument :
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 VW0823SBL01

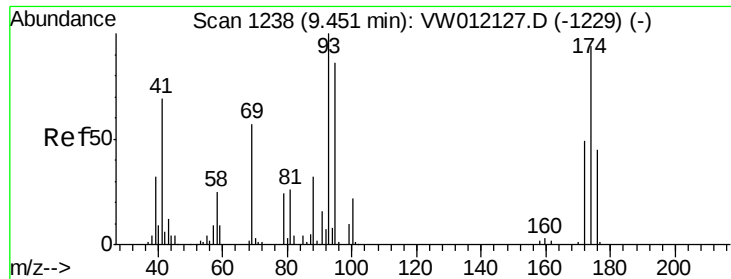
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	15.6	46.8#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.944 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012133.D
 Acq: 23 Aug 2019 15:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.2#
121	0.0	23.8	35.8#

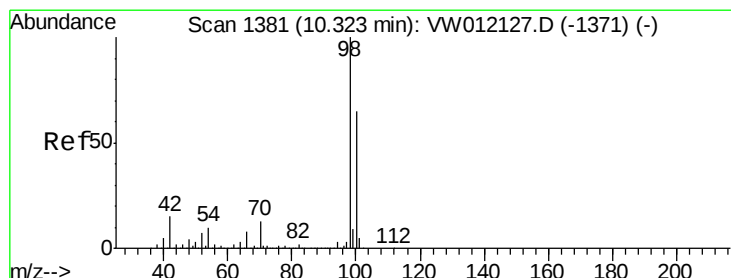
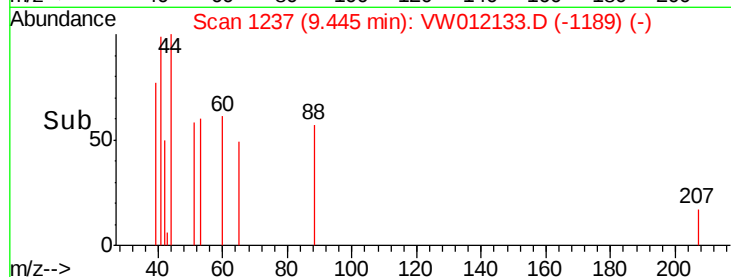
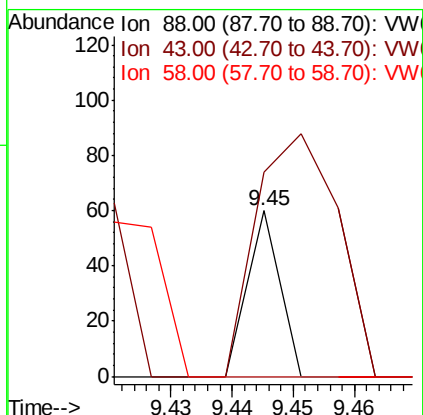
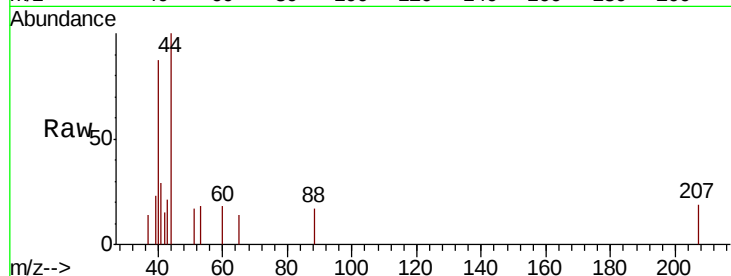




#49
 1,4-Dioxane
 Concen: 1.169 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW012133.D
 Acq: 23 Aug 2019 15:21

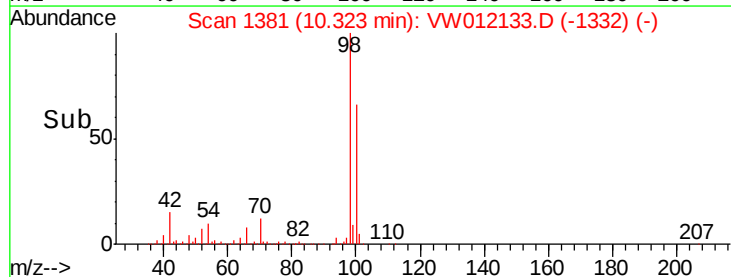
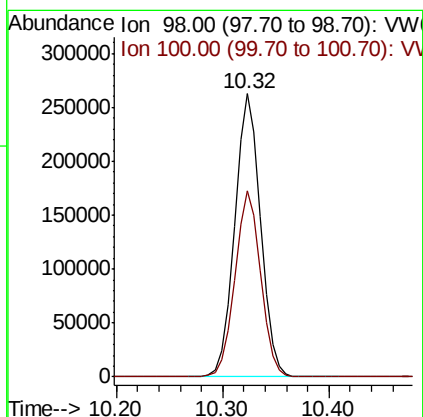
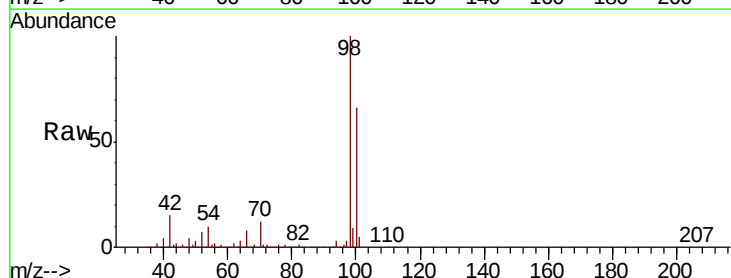
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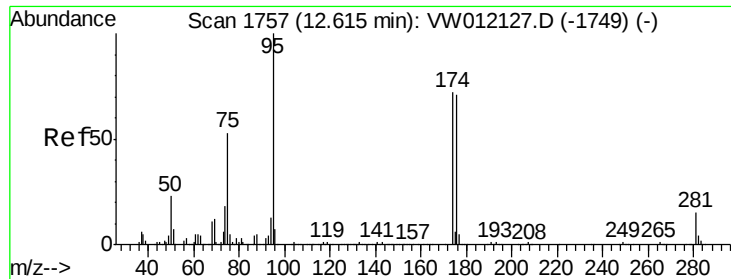
Tgt Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 372.7 32.9 49.3#
 58 0.0 71.0 106.4#



#50
 Toluene-d8
 Concen: 50.702 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012133.D
 Acq: 23 Aug 2019 15:21

Tgt Ion: 98 Resp: 446626
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.4 78.6

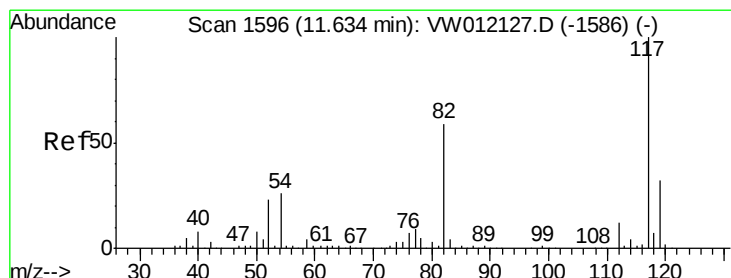
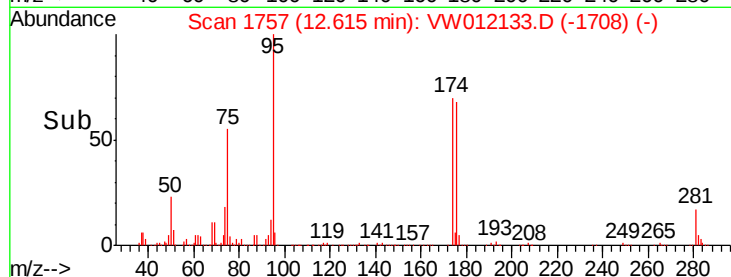
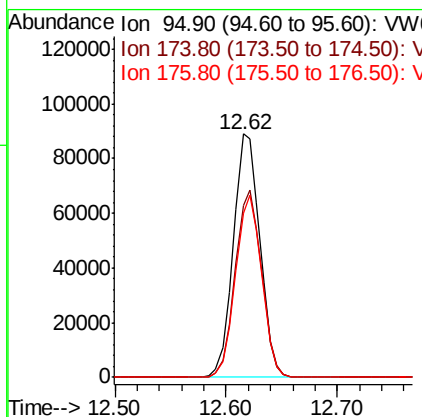
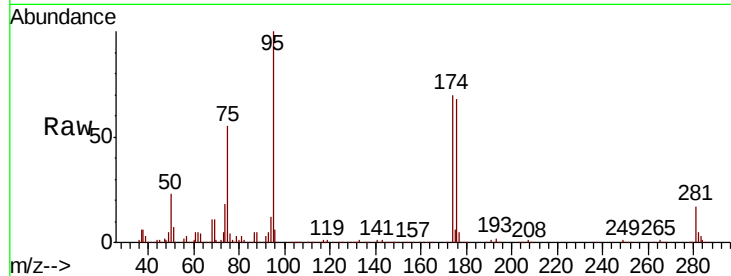




#62
4-Bromofluorobenzene
Concen: 47.277 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012133.D
Acq: 23 Aug 2019 15:21

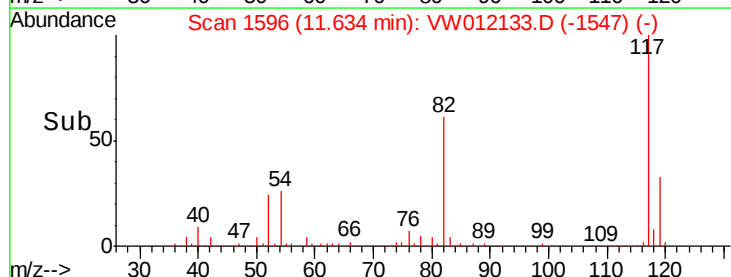
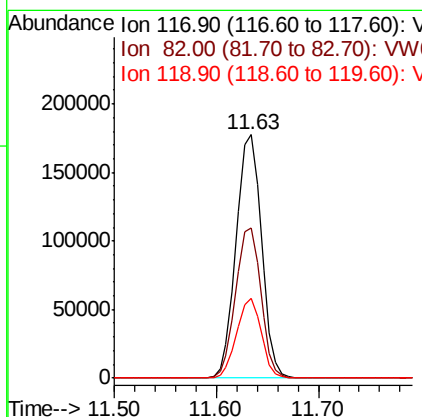
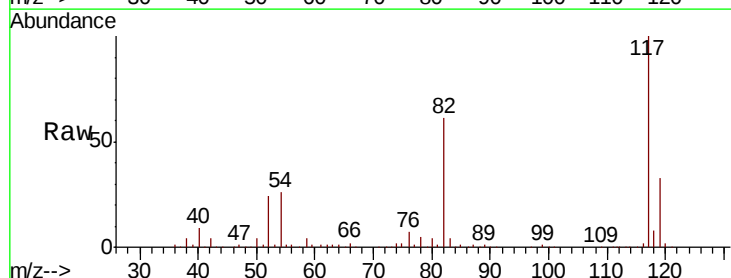
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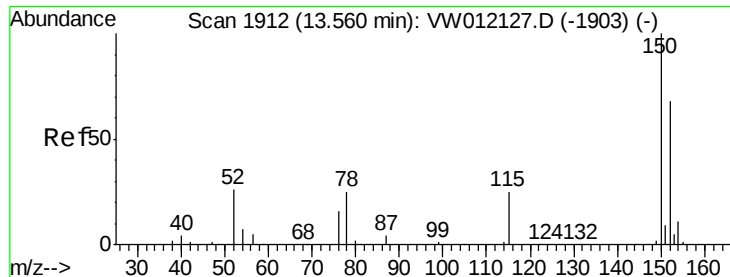
Tgt Ion: 95 Resp: 146801
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.8
176 73.7 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012133.D
Acq: 23 Aug 2019 15:21

Tgt Ion: 117 Resp: 305946
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 32.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012133.D

Acq: 23 Aug 2019 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBL01

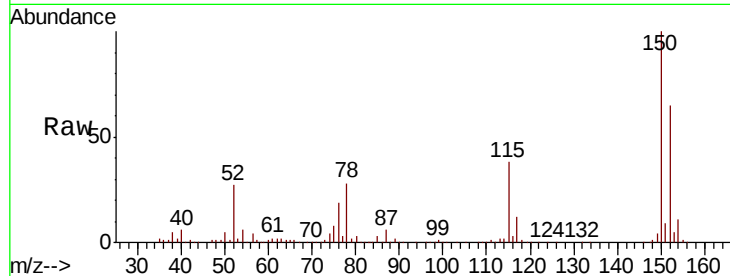
Tgt Ion: 152 Resp: 131431

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.3

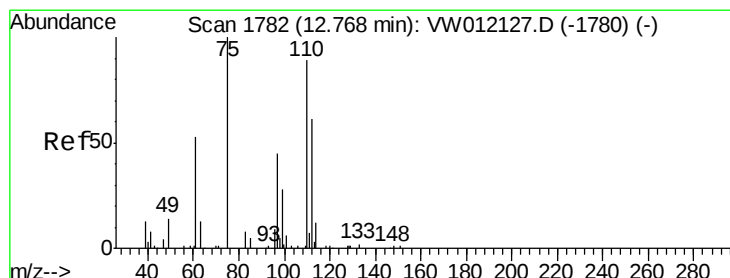
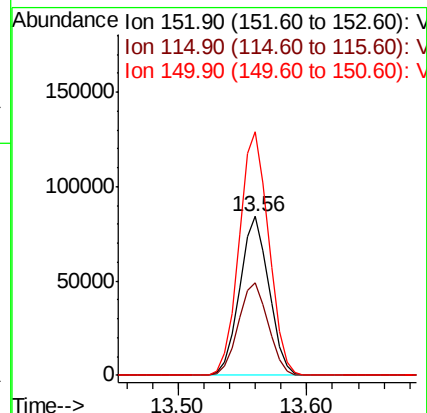
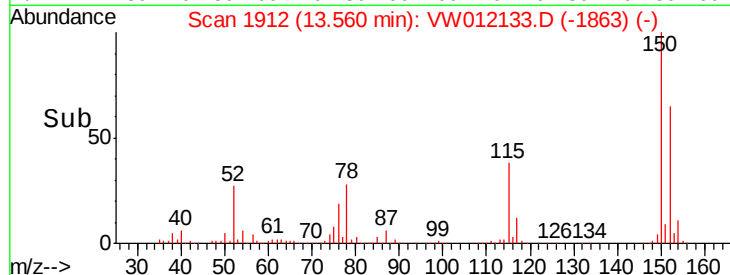
150 156.2 0.0 345.8



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: 61.712 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012133.D

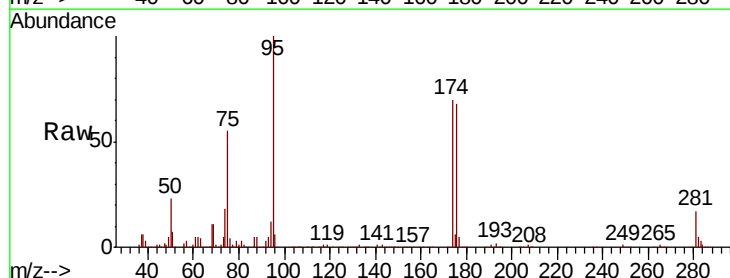
Acq: 23 Aug 2019 15:21

Tgt Ion: 75 Resp: 78994

Ion Ratio Lower Upper

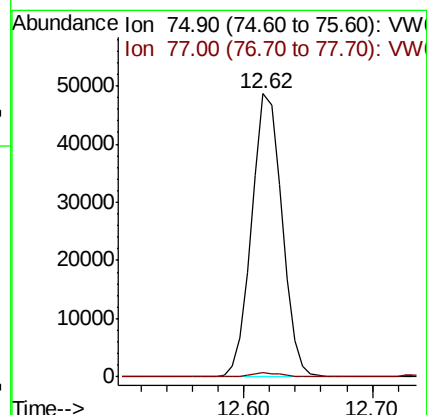
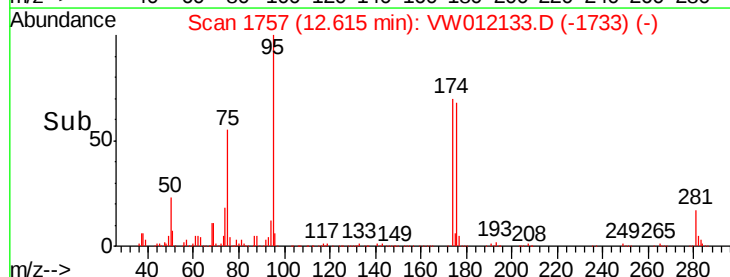
75 100

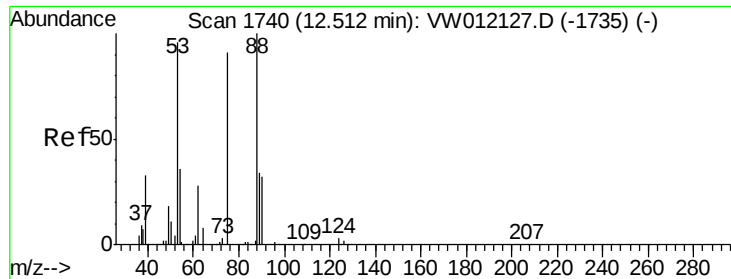
77 1.5 0.0 0.0#



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: 135.306 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012133.D

Acq: 23 Aug 2019 15:21

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBL01

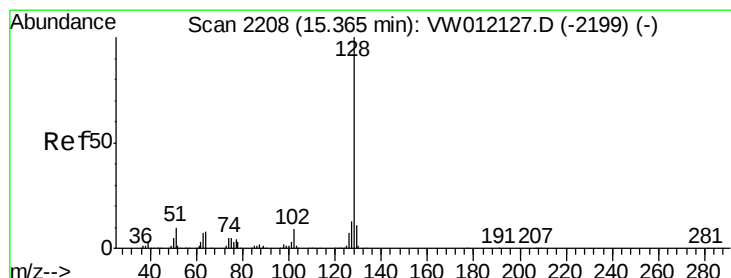
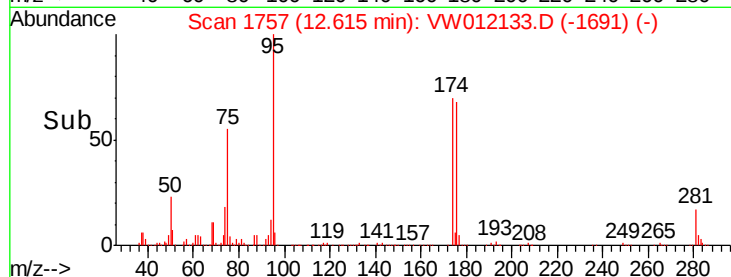
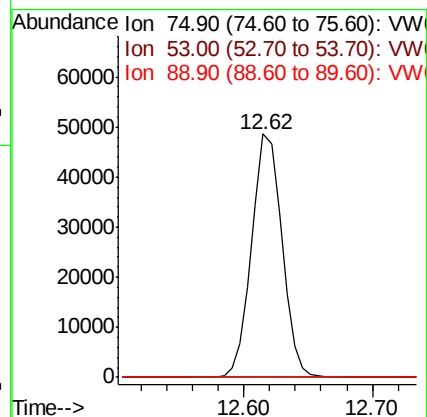
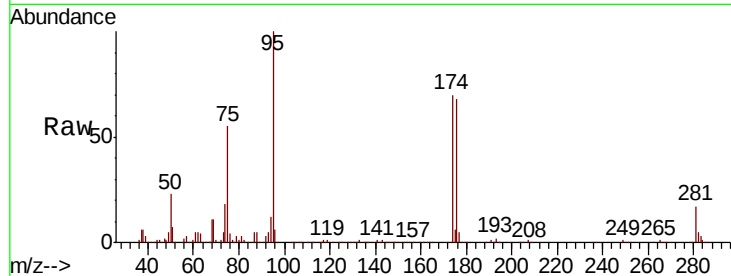
Tgt Ion: 75 Resp: 78994

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.2 34.5 51.7#



#95

Naphthalene

Concen: 4.763 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012133.D

Acq: 23 Aug 2019 15:21

Tgt Ion: 128 Resp: 2399

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 9.5 8.7 13.1

