

Data File : VW008242.D
Acq On : 14 Jan 2019 13:04
Operator : SY/VA
Sample : K1131-01
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DGA-01-011019

Quant Time: Jan 14 21:12:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	98855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	172795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	156627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	72712	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	57999	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
35) Dibromofluoromethane	7.88	113	55377	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
50) Toluene-d8	10.32	98	213973	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.62	95	71128	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	

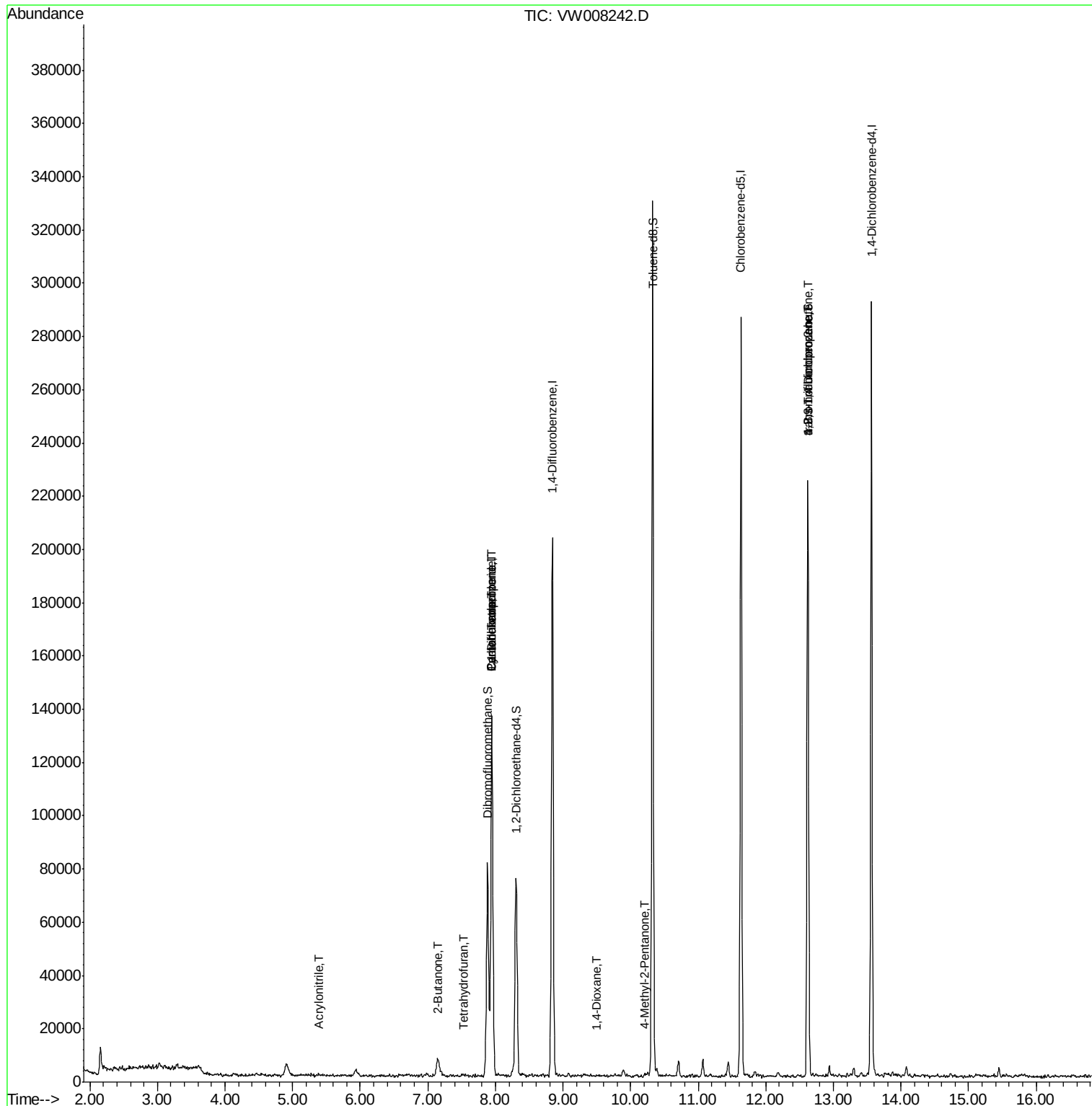
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.25	59	187	Below Cal	#	100
13) Acrolein	3.90	56	101	Below Cal	#	1
15) Acrylonitrile	5.38	53	270	1.130	ug/l	94
16) Acetone	4.15	43	1652	Below Cal	#	75
20) Methylene Chloride	4.90	84	3800	Below Cal	#	72
25) 2-Butanone	7.15	43	364	1.178	ug/l #	49
29) Tetrahydrofuran	7.53	42	290	1.404	ug/l #	79
31) Cyclohexane	7.95	56	2676	1.144	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	8031	4.512	ug/l #	52
38) Carbon Tetrachloride	7.95	117	10257	6.296	ug/l #	16
49) 1,4-Dioxane	9.49	88	21	2.221	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	823	1.192	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	36039	54.370	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	36039	126.611	ug/l #	11

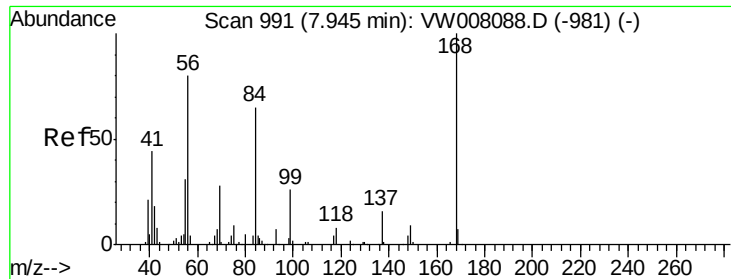
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008242.D

Acq: 14 Jan 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

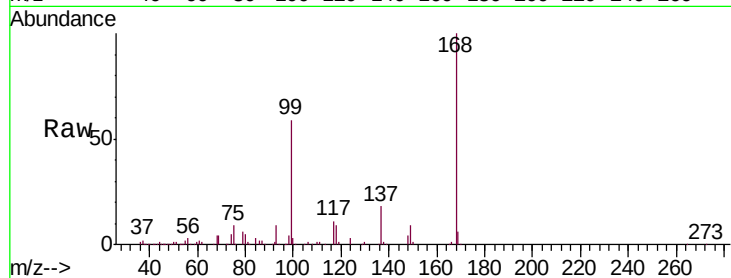
DGA-01-011019

Tgt Ion:168 Resp: 98855

Ion Ratio Lower Upper

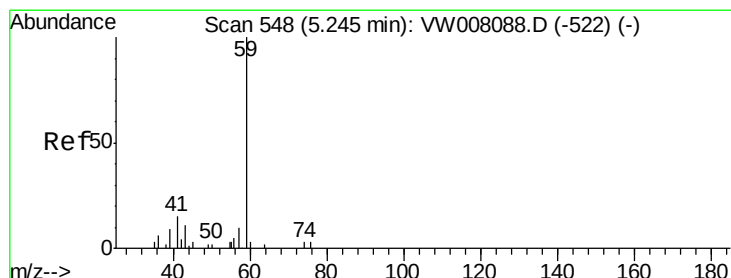
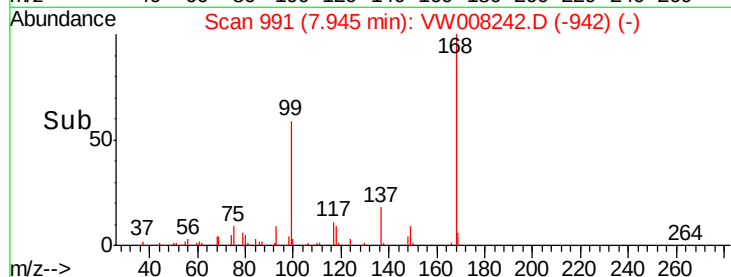
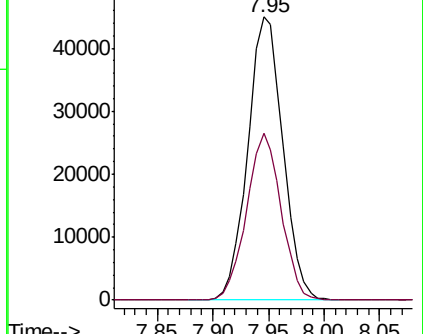
168 100

99 58.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.25 min Scan# 549

Delta R.T. 0.01 min

Lab File: VW008242.D

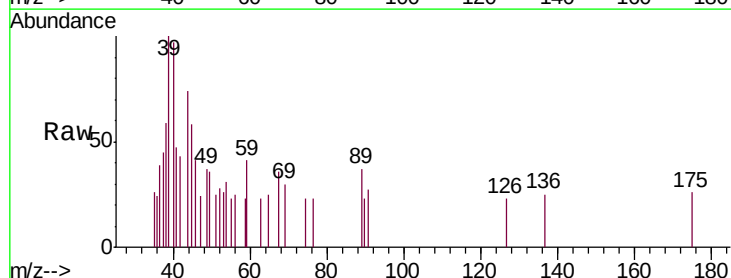
Acq: 14 Jan 2019 13:04

Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

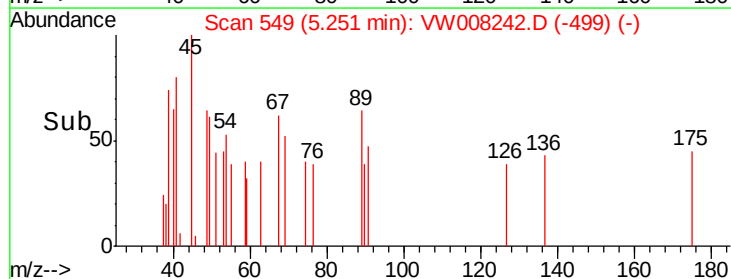
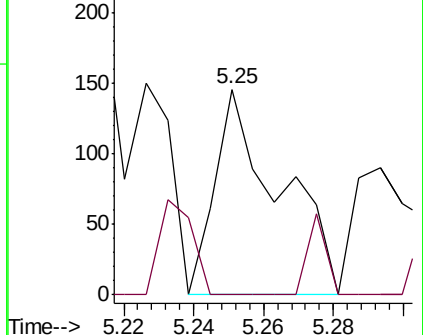
59 100

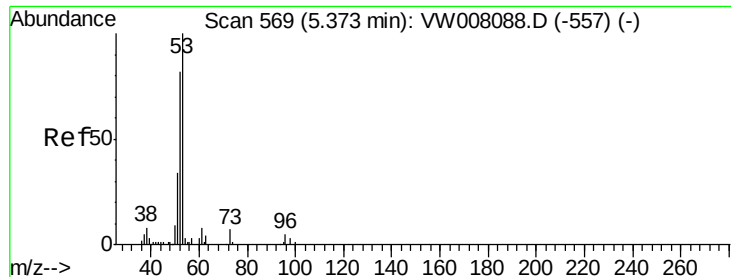
57 24.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#15

Acrylonitrile

Concen: 1.130 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008242.D

Acq: 14 Jan 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

DGA-01-011019

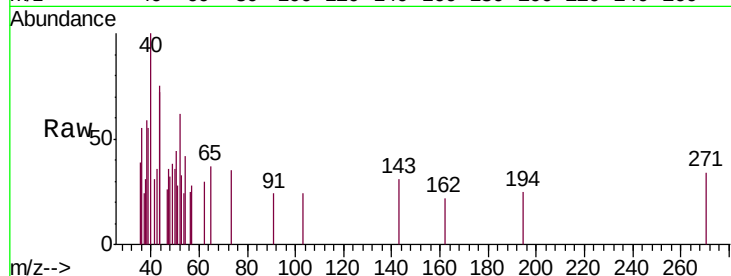
Tgt Ion: 53 Resp: 270

Ion Ratio Lower Upper

53 100

52 78.5 66.8 100.2

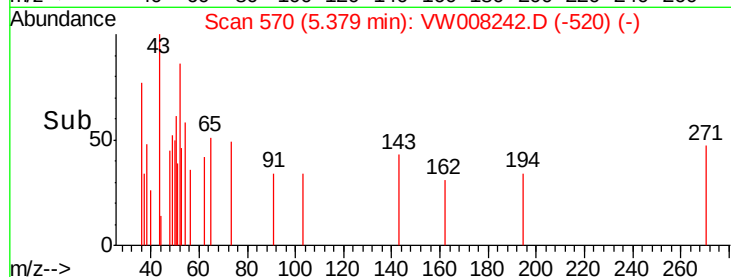
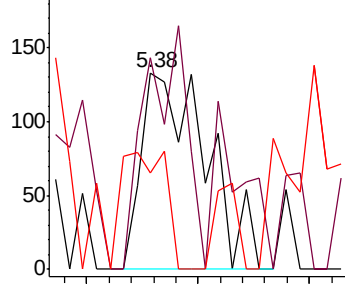
51 40.7 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW008242.D

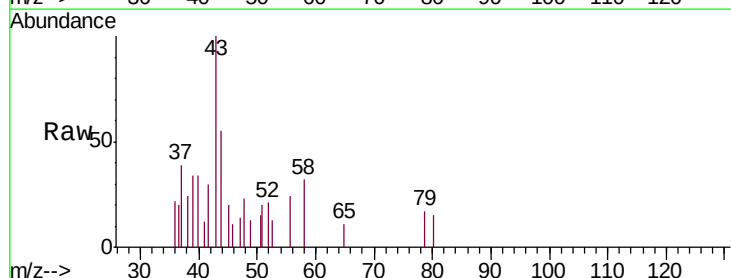
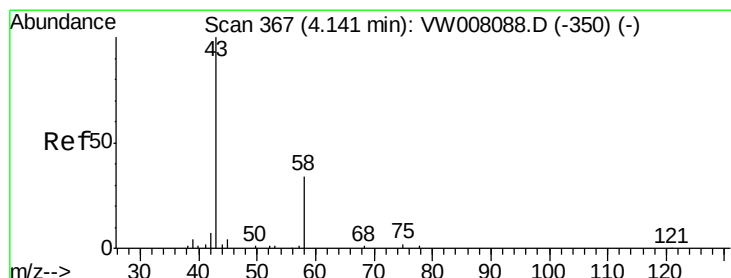
Acq: 14 Jan 2019 13:04

Tgt Ion: 43 Resp: 1652

Ion Ratio Lower Upper

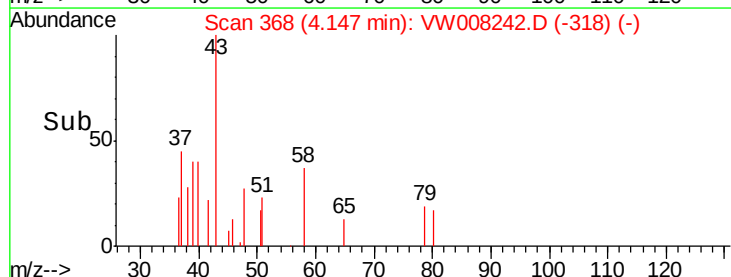
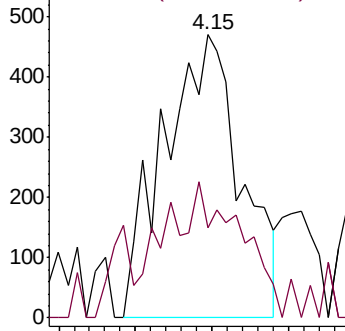
43 100

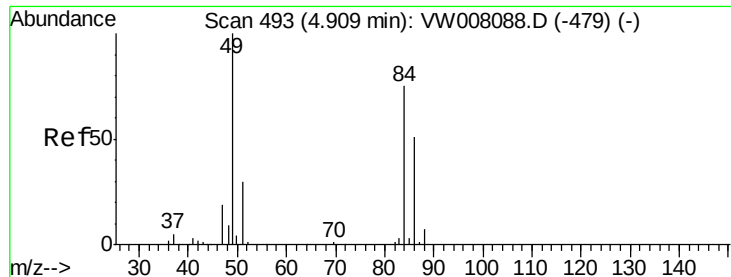
58 19.8 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

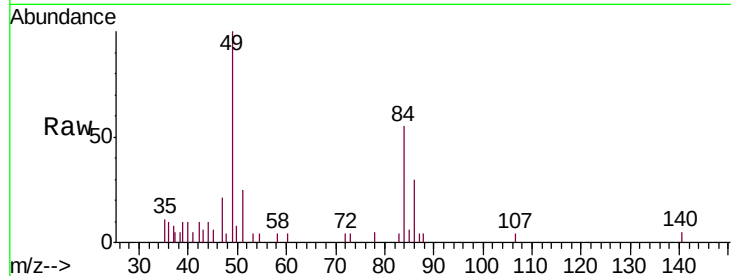




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008242.D
Acq: 14 Jan 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
DGA-01-011019

Tgt Ion: 84 Resp: 3800
Ion Ratio Lower Upper
84 100
49 182.0 107.1 160.7#
51 44.6 32.4 48.6
86 54.9 54.2 81.4



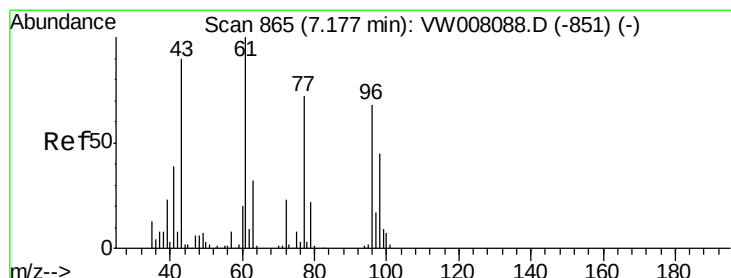
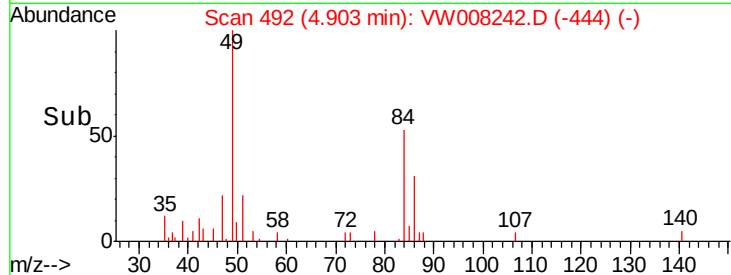
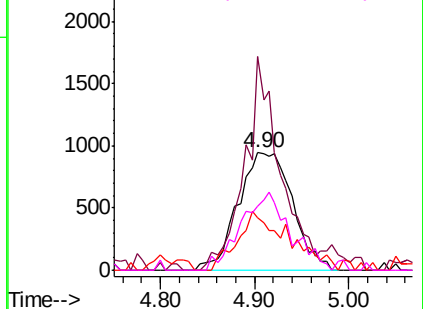
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

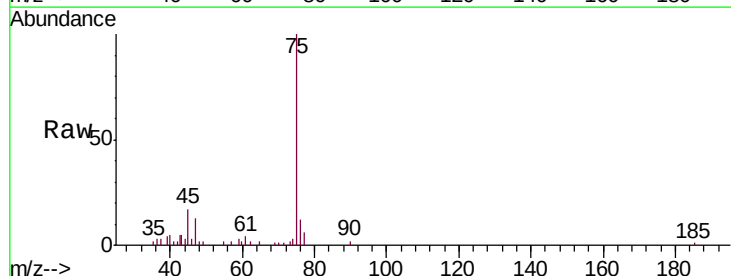
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 1.178 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008242.D
Acq: 14 Jan 2019 13:04

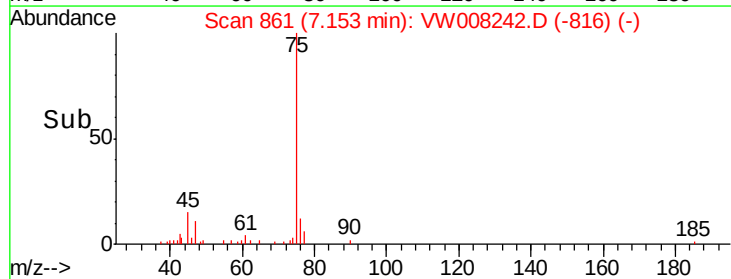
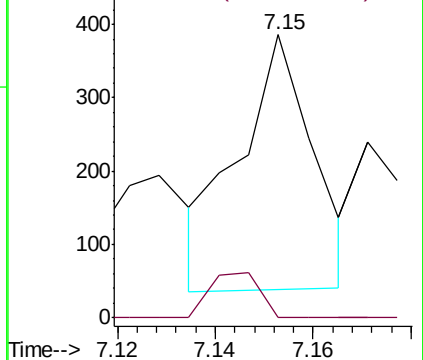
Tgt Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

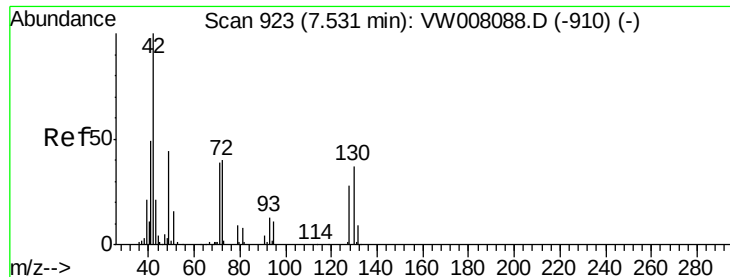


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.404 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008242.D

Acq: 14 Jan 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

DGA-01-011019

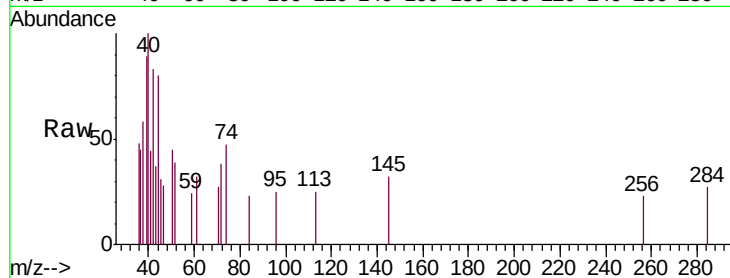
Tgt Ion: 42 Resp: 290

Ion Ratio Lower Upper

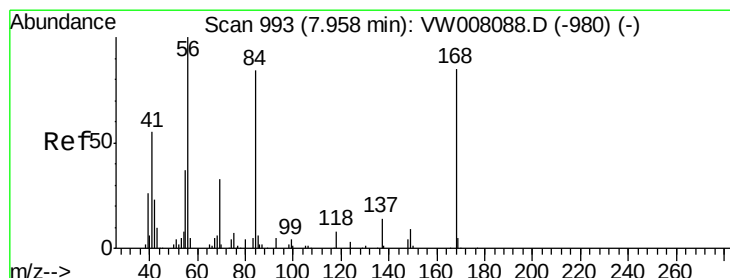
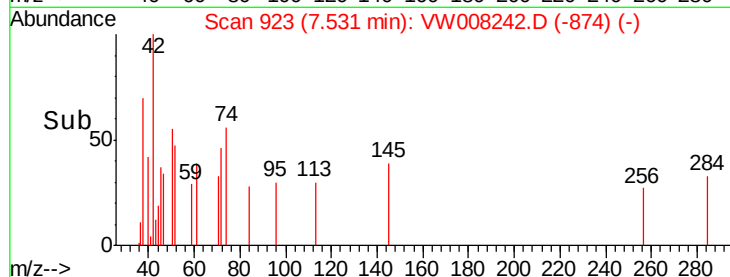
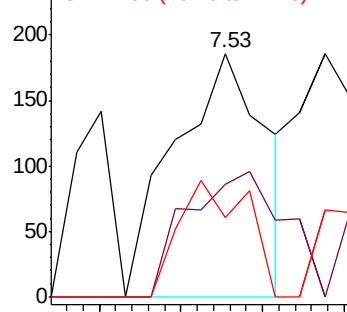
42 100

72 62.8 32.4 48.6#

71 35.9 31.3 46.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.144 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008242.D

Acq: 14 Jan 2019 13:04

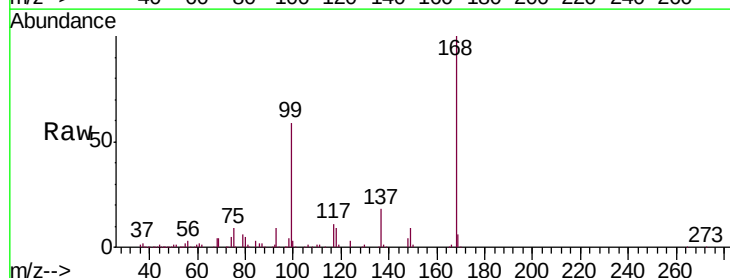
Tgt Ion: 56 Resp: 2676

Ion Ratio Lower Upper

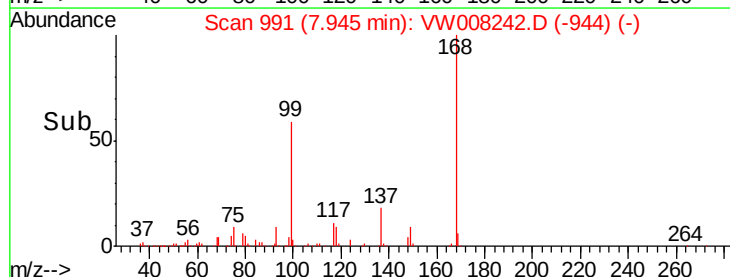
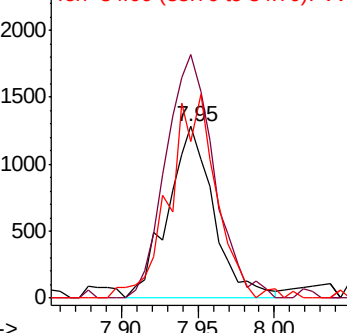
56 100

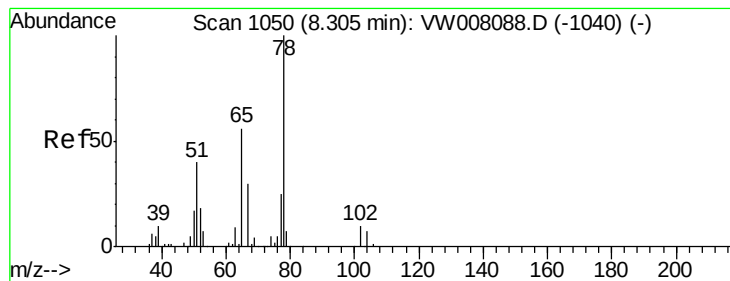
69 141.7 26.2 39.4#

84 85.8 67.4 101.2



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: 52.202 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008242.D

Acq: 14 Jan 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

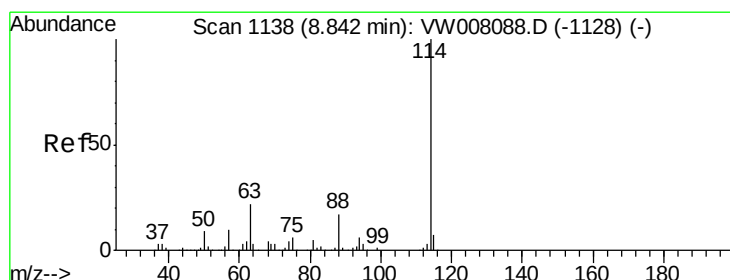
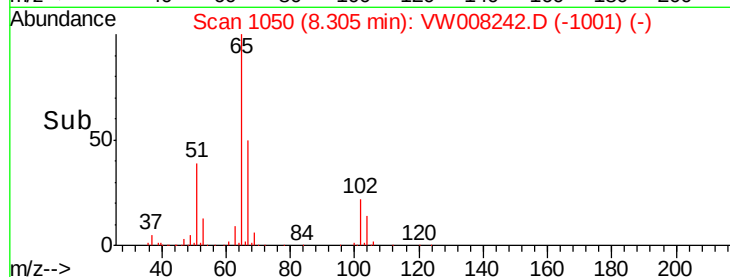
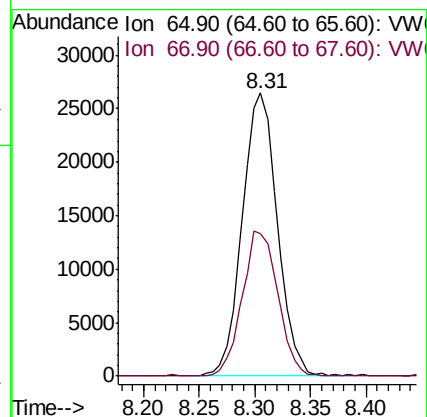
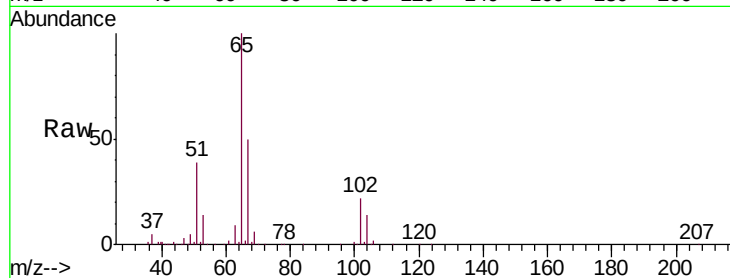
DGA-01-011019

Tgt Ion: 65 Resp: 57999

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008242.D

Acq: 14 Jan 2019 13:04

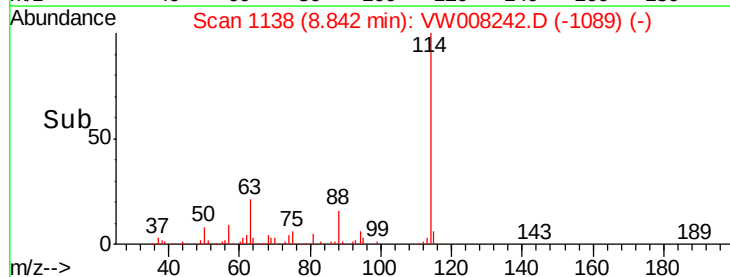
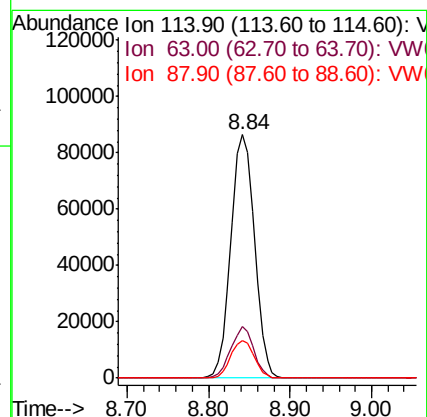
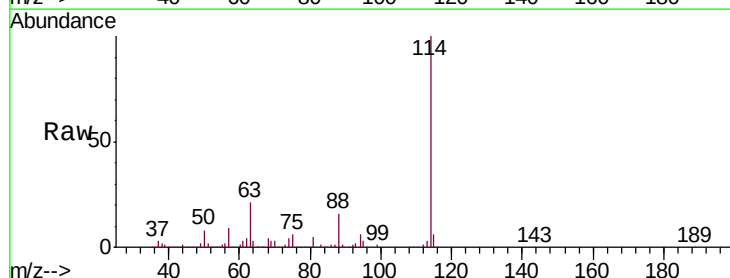
Tgt Ion: 114 Resp: 172795

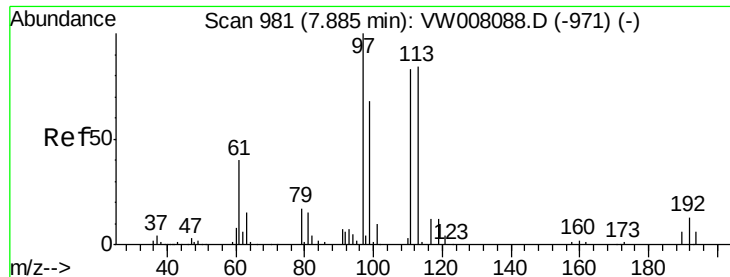
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.4

88 15.6 0.0 33.4

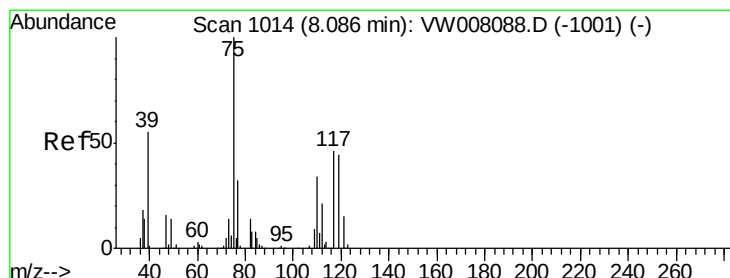
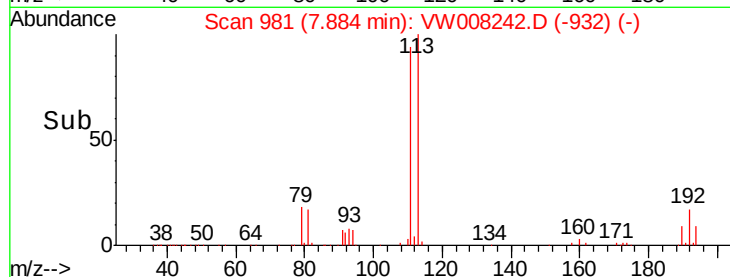
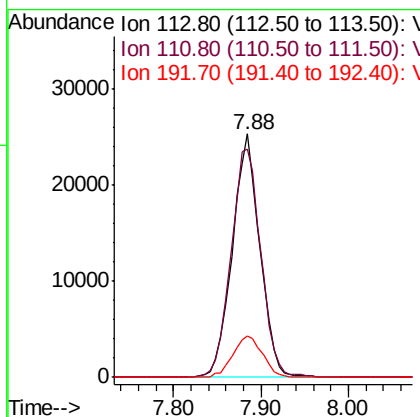
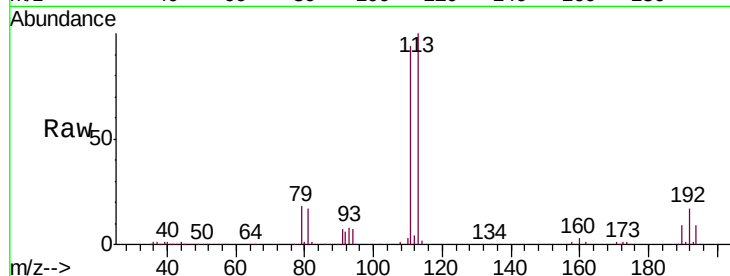




#35
 Dibromofluoromethane
 Concen: 54.948 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008242.D
 Acq: 14 Jan 2019 13:04

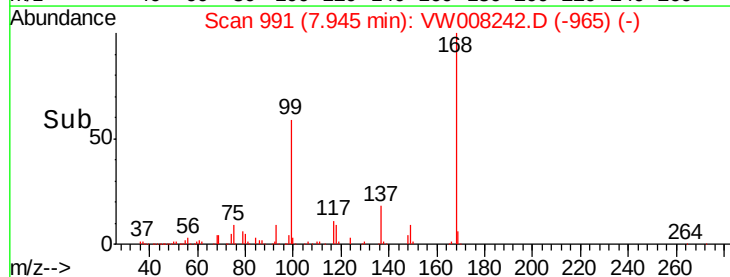
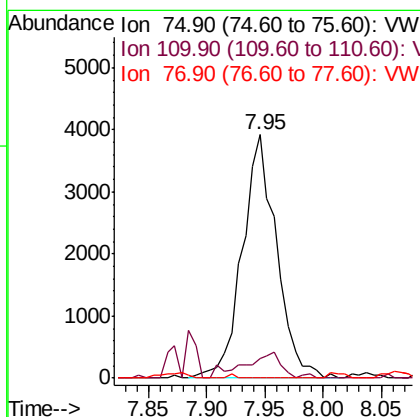
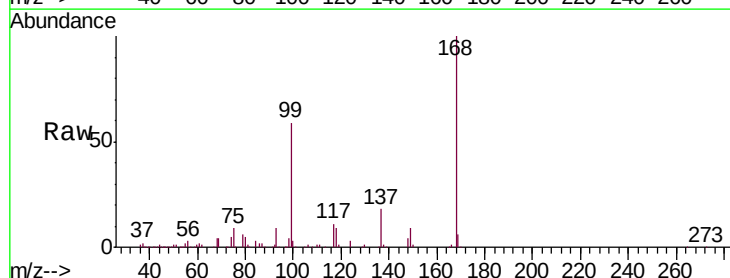
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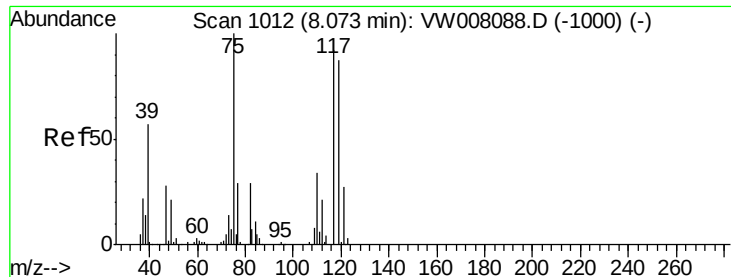
Tgt Ion: 113 Resp: 55377
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.8 122.8
 192 18.3 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.512 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008242.D
 Acq: 14 Jan 2019 13:04

Tgt Ion: 75 Resp: 8031
 Ion Ratio Lower Upper
 75 100
 110 11.2 17.1 51.3#
 77 0.0 25.5 38.3#

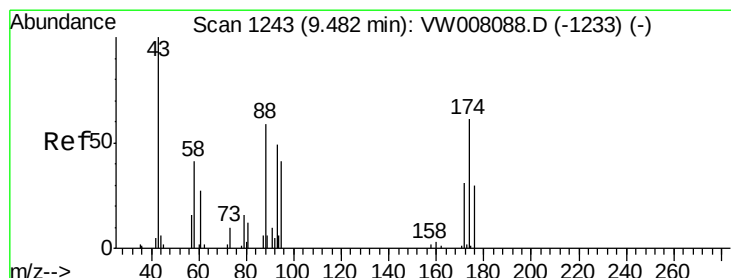
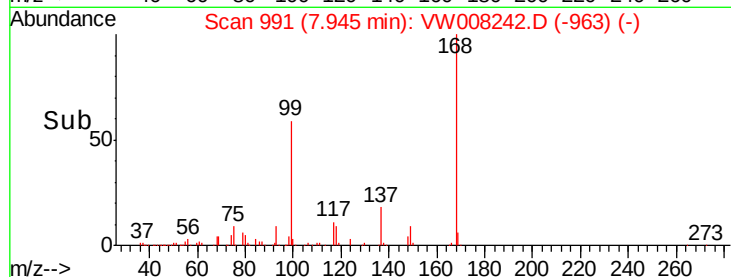
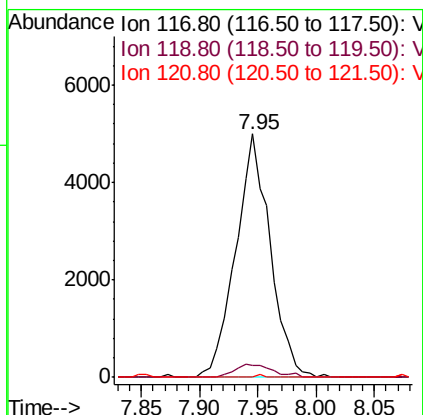
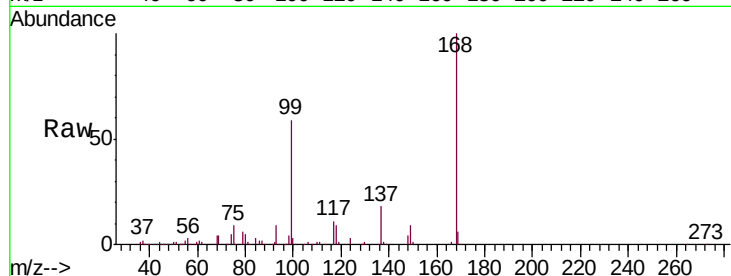




#38
Carbon Tetrachloride
Concen: 6.296 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008242.D
Acq: 14 Jan 2019 13:04

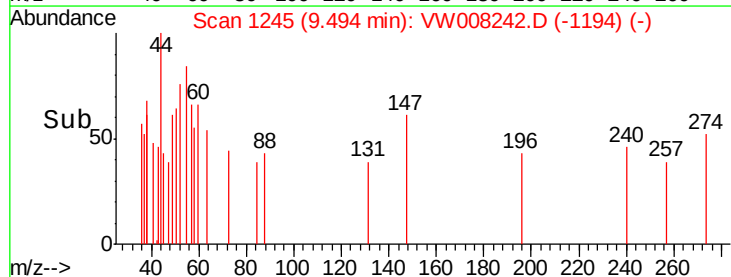
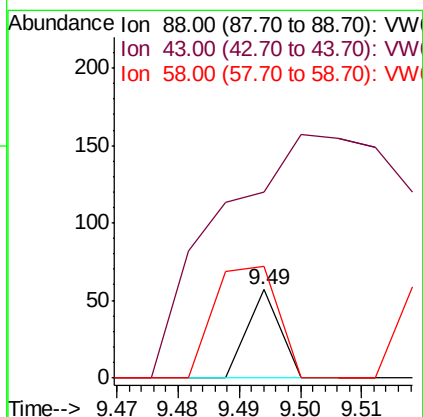
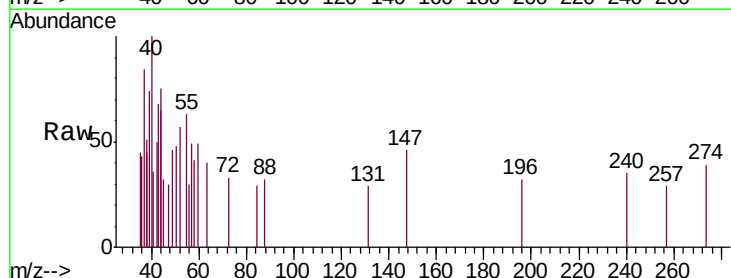
Instrument :
MSVOA_W
ClientSampleId :
DGA-01-011019

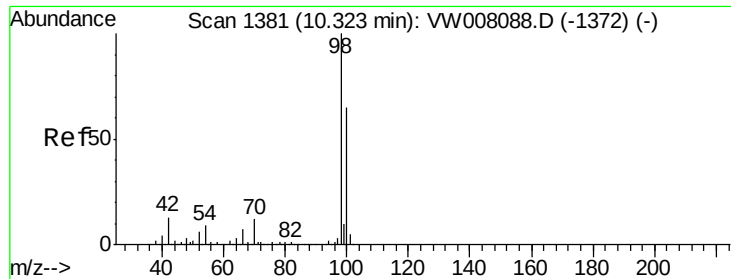
Tgt Ion:117 Resp: 10257
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 23.7 35.5#



#49
1,4-Dioxane
Concen: 2.221 ug/l
RT: 9.49 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VW008242.D
Acq: 14 Jan 2019 13:04

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 1895.2 0.0 0.0#
58 247.6 61.7 92.5#

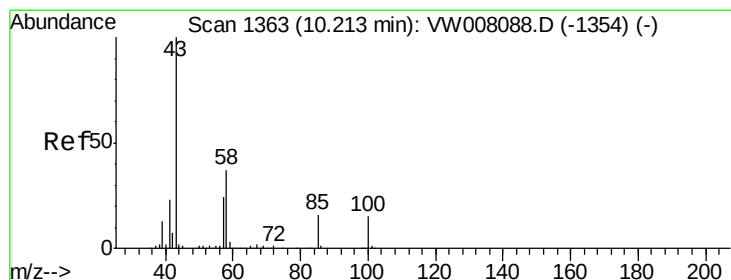
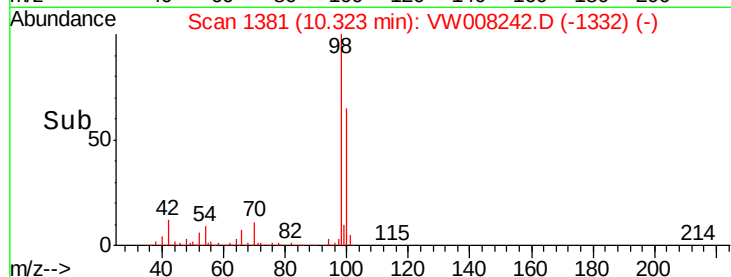
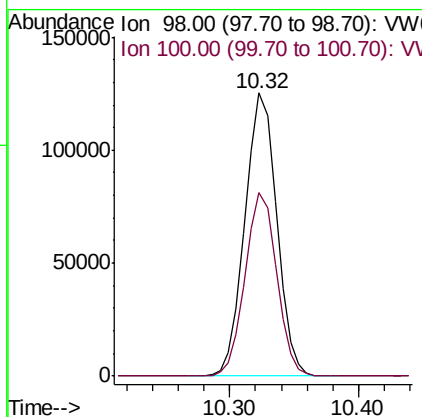
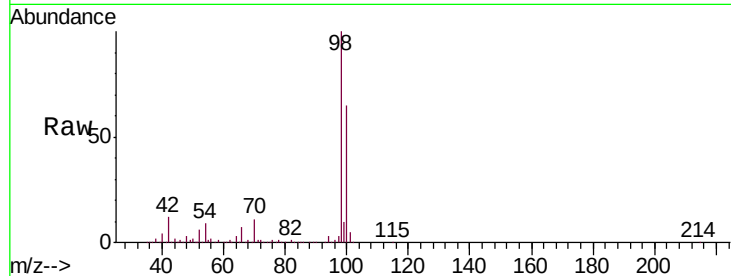




#50
Toluene-d8
Concen: 50.595 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008242.D
Acq: 14 Jan 2019 13:04

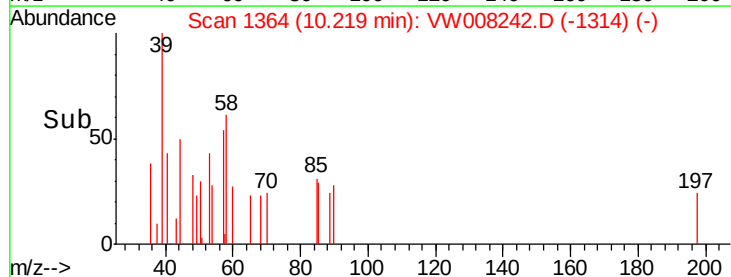
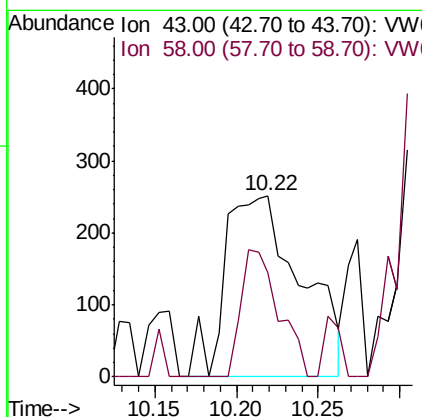
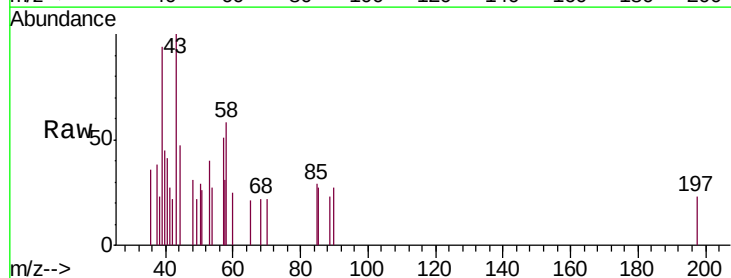
Instrument :
MSVOA_W
ClientSampleId :
DGA-01-011019

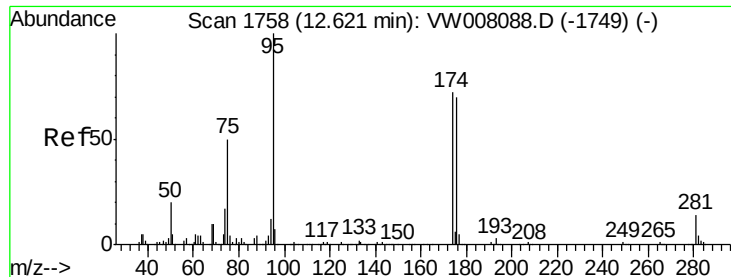
Tgt Ion: 98 Resp: 213973
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.192 ug/l
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW008242.D
Acq: 14 Jan 2019 13:04

Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
58 34.6 30.6 46.0

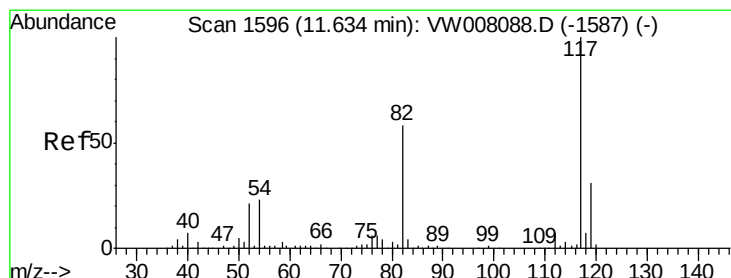
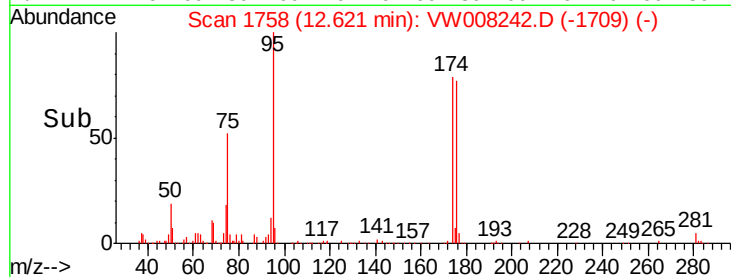
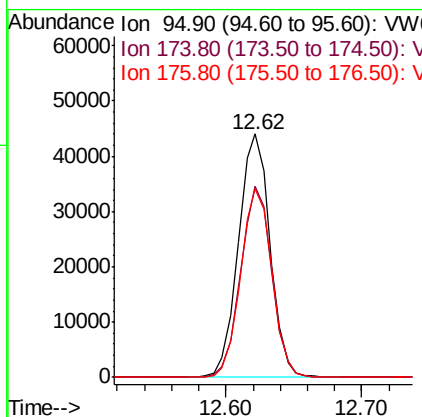
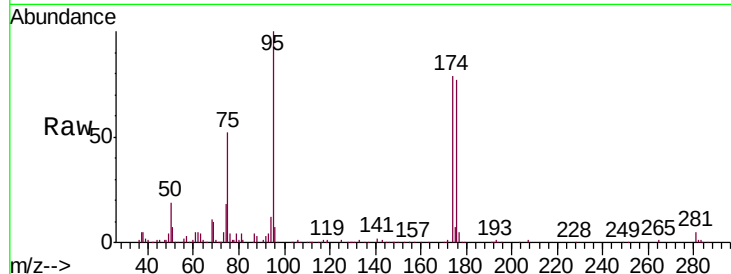




#62
4-Bromofluorobenzene
Concen: 46.914 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008242.D
Acq: 14 Jan 2019 13:04

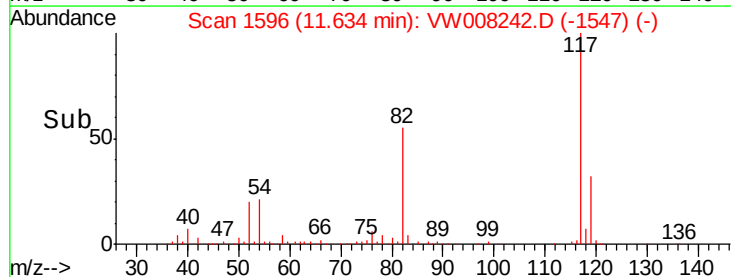
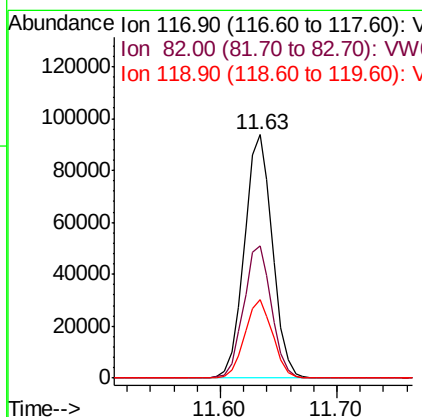
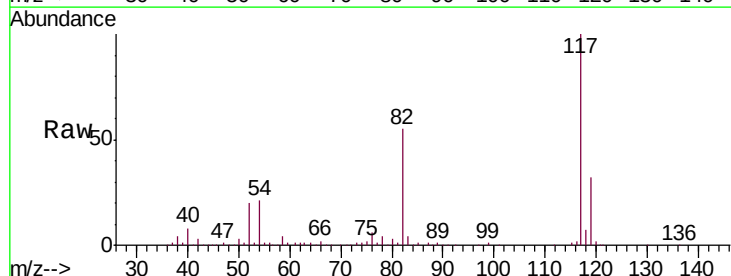
Instrument :
MSVOA_W
ClientSampleId :
DGA-01-011019

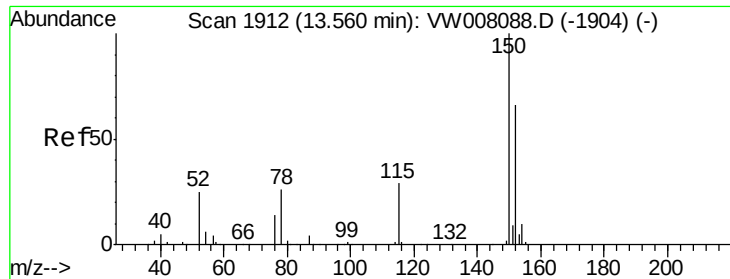
Tgt Ion: 95 Resp: 71128
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.0
176 76.9 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008242.D
Acq: 14 Jan 2019 13:04

Tgt Ion: 117 Resp: 156627
Ion Ratio Lower Upper
117 100
82 54.5 46.4 69.6
119 32.2 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008242.D

Acq: 14 Jan 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

DGA-01-011019

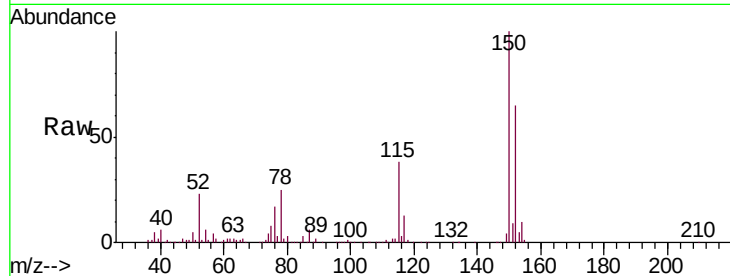
Tgt Ion:152 Resp: 72712

Ion Ratio Lower Upper

152 100

115 58.8 30.8 92.4

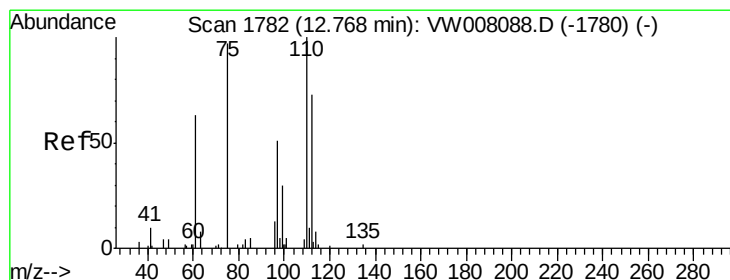
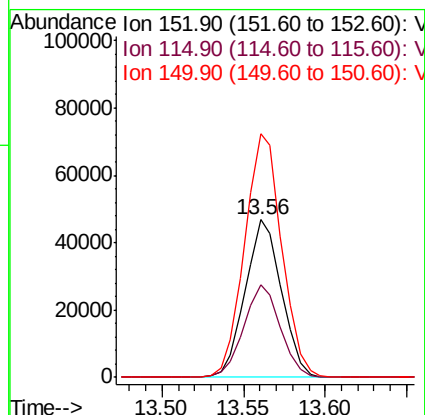
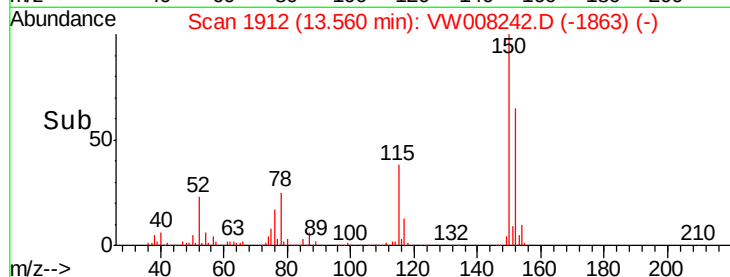
150 157.8 0.0 350.2



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: 54.370 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008242.D

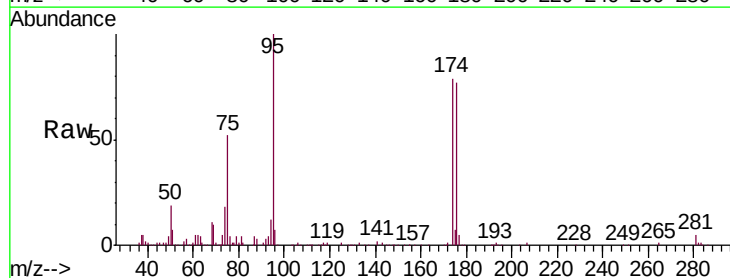
Acq: 14 Jan 2019 13:04

Tgt Ion: 75 Resp: 36039

Ion Ratio Lower Upper

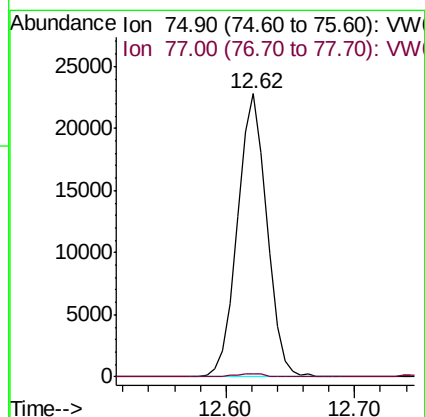
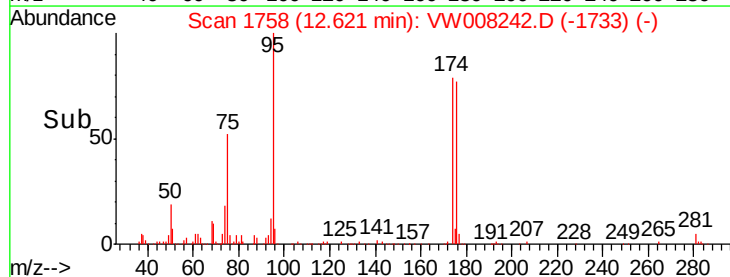
75 100

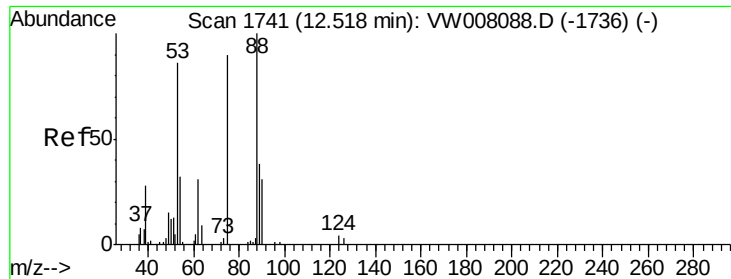
77 1.3 179.4 538.2#



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: 126.611 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008242.D

Acq: 14 Jan 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

DGA-01-011019

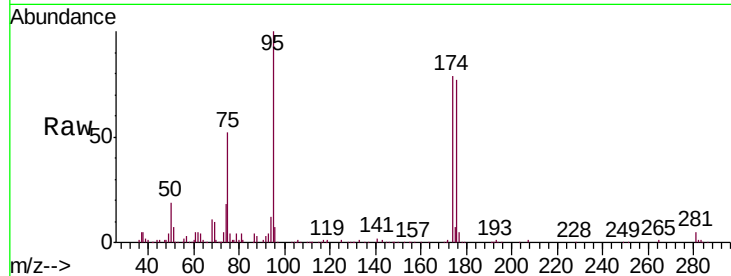
Tgt Ion: 75 Resp: 36039

Ion Ratio Lower Upper

75 100

53 0.4 78.8 118.2#

89 0.4 35.4 53.2#



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

