

Data File : VW008167.D
Acq On : 11 Jan 2019 01:09
Operator : SY/AP
Sample : VW0110SBL02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBL02

Quant Time: Jan 11 05:19:41 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	95535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	173211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	158312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	59594	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
35) Dibromofluoromethane	7.88	113	54688	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
50) Toluene-d8	10.32	98	227173	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
62) 4-Bromofluorobenzene	12.62	95	73593	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

Target Compounds

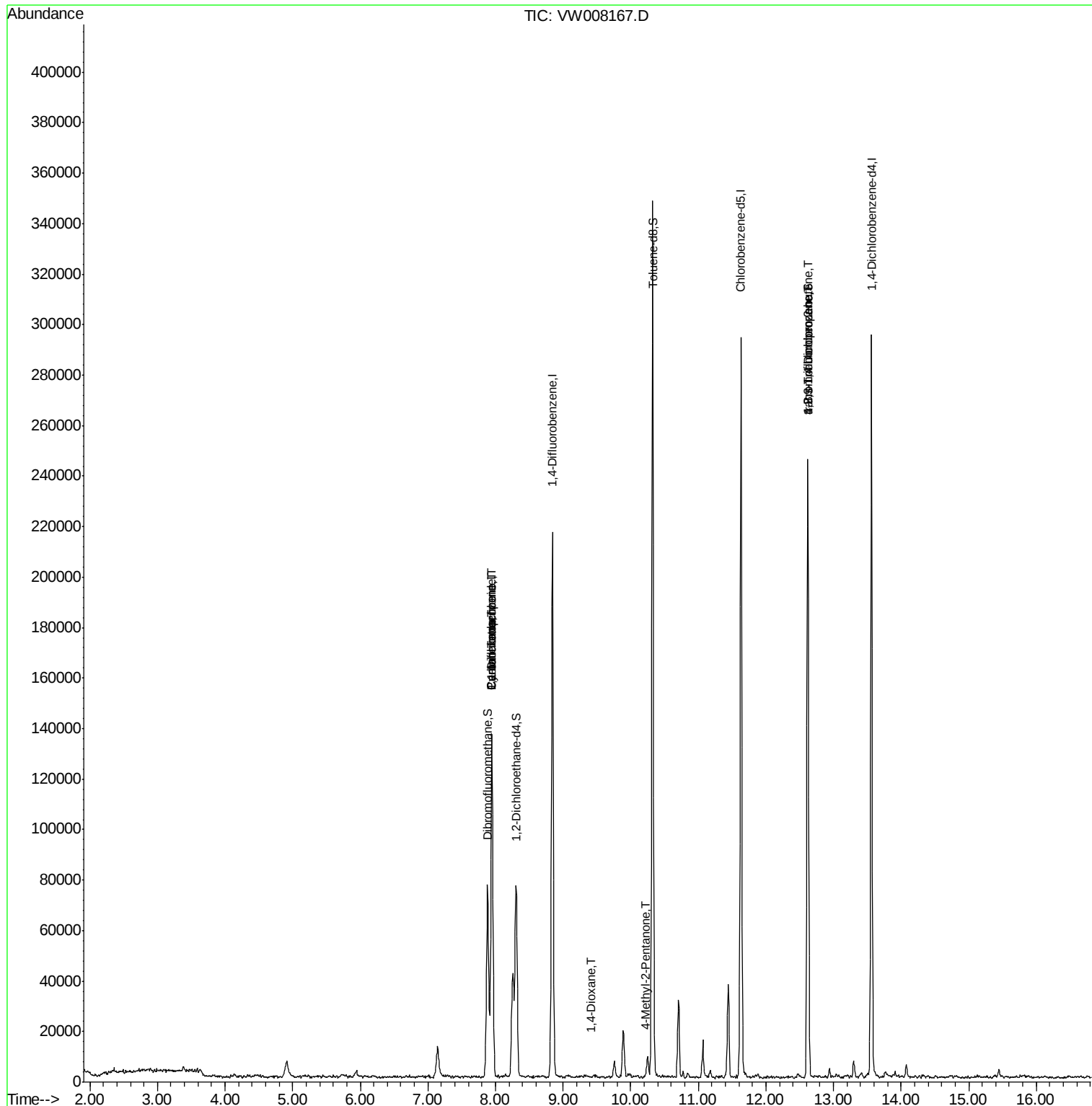
						Qvalue
11) Tert butyl alcohol	5.28	59	181	Below Cal	#	100
13) Acrolein	3.92	56	28	Below Cal	#	1
16) Acetone	4.13	43	1540	Below Cal		98
20) Methylene Chloride	4.90	84	4547	Below Cal	#	82
31) Cyclohexane	7.94	56	2615	1.157	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	8563	4.799	ug/l #	50
38) Carbon Tetrachloride	7.95	117	10482	6.419	ug/l #	17
49) 1,4-Dioxane	9.42	88	19	2.005	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	785	1.135	ug/l #	74
76) 1,2,3-Trichloropropane	12.62	75	37344	57.343	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	37344	133.535	ug/l #	10

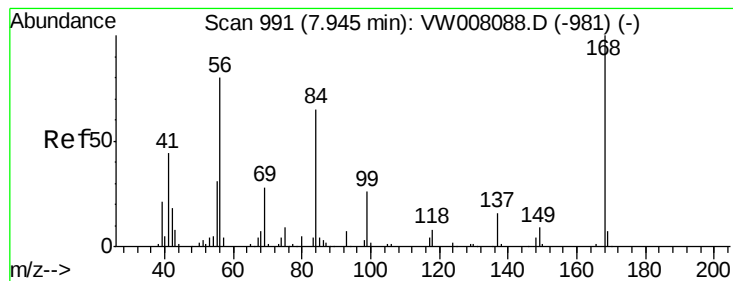
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008167.D

Acq: 11 Jan 2019 01:09

Instrument :

MSVOA_W

ClientSampleId :

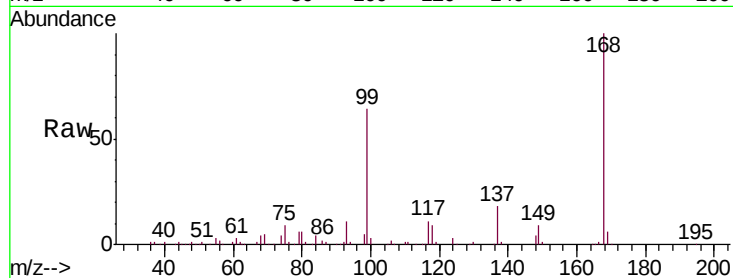
VW0110SBL02

Tgt Ion:168 Resp: 95535

Ion Ratio Lower Upper

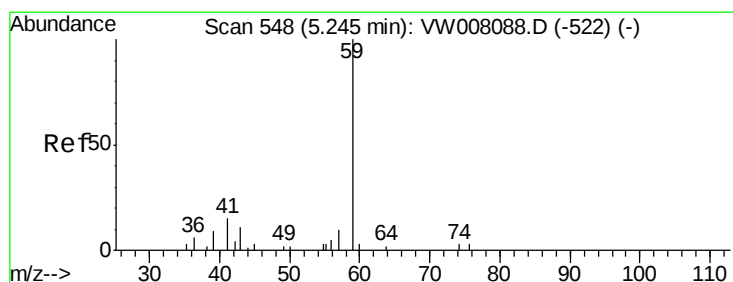
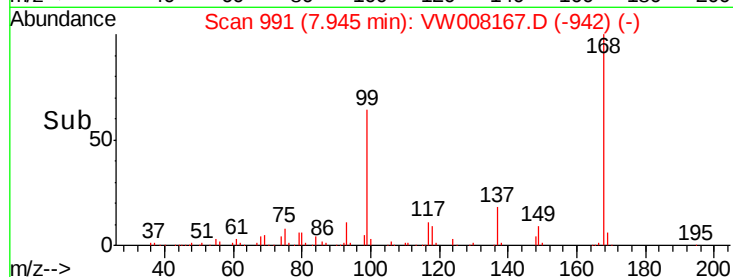
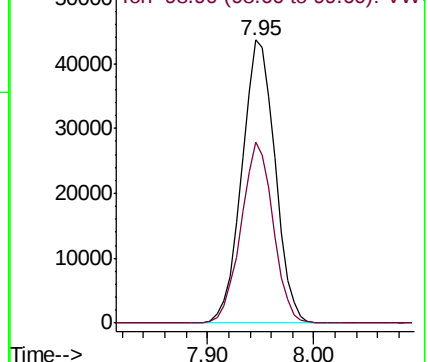
168 100

99 63.9 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: 5.28 min Scan# 553

Delta R.T. 0.03 min

Lab File: VW008167.D

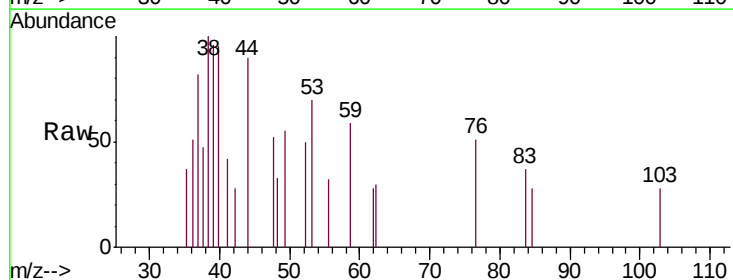
Acq: 11 Jan 2019 01:09

Tgt Ion: 59 Resp: 181

Ion Ratio Lower Upper

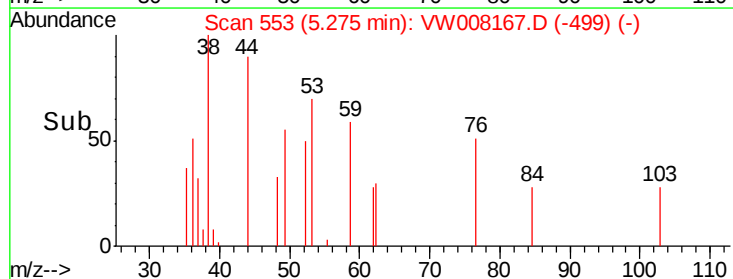
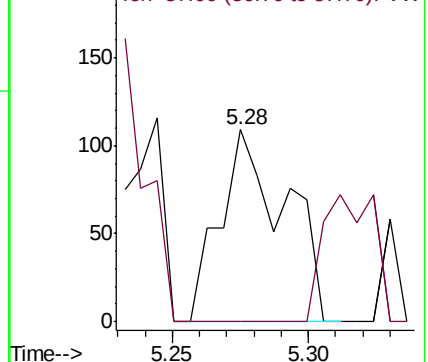
59 100

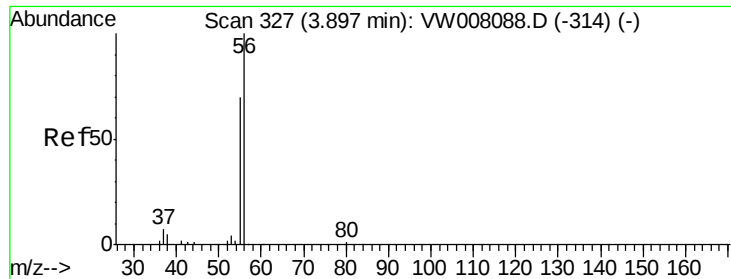
57 0.0 0.0 0.0



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: 3.92 min Scan# 331

Delta R.T. 0.02 min

Lab File: VW008167.D

Acq: 11 Jan 2019 01:09

Instrument :

MSVOA_W

ClientSampled :

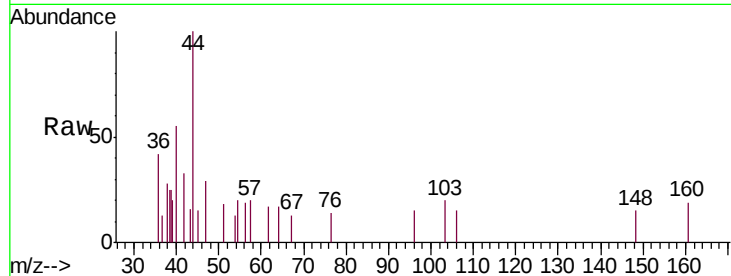
VW0110SBL02

Tgt Ion: 56 Resp: 28

Ion Ratio Lower Upper

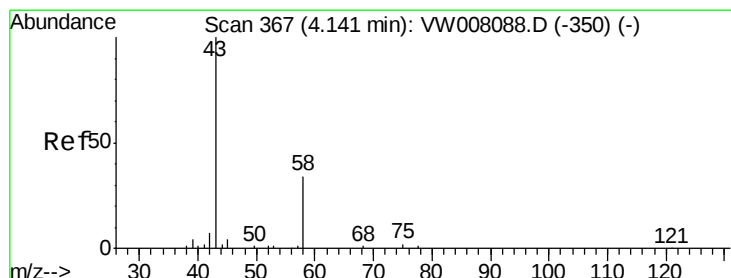
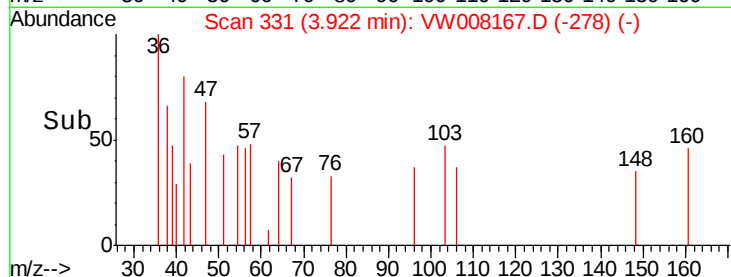
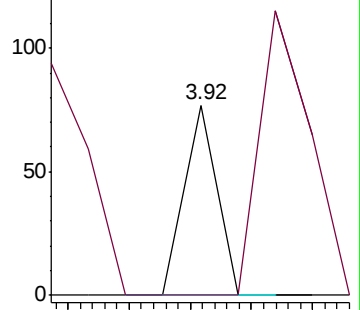
56 100

55 235.7 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008167.D

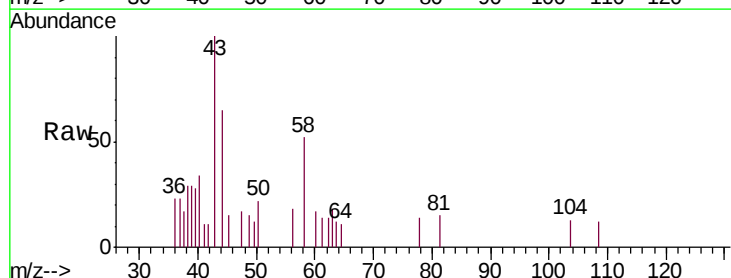
Acq: 11 Jan 2019 01:09

Tgt Ion: 43 Resp: 1540

Ion Ratio Lower Upper

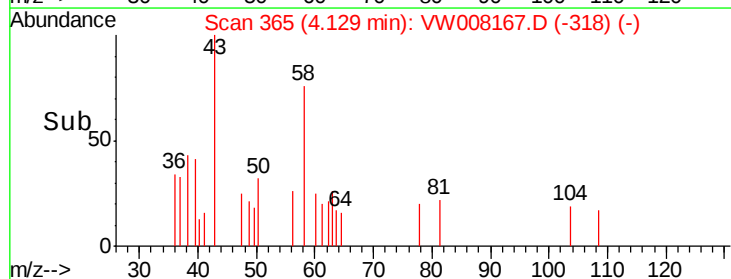
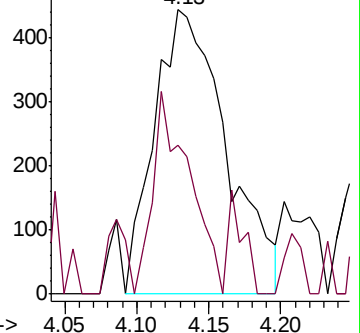
43 100

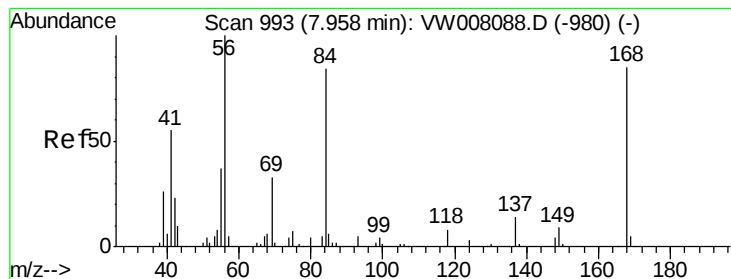
58 33.2 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW008167.D

Acq: 11 Jan 2019 01:09

Instrument :

MSVOA_W

ClientSampled :

VW0110SBL02

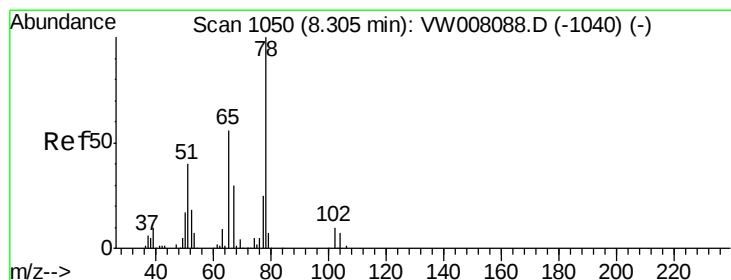
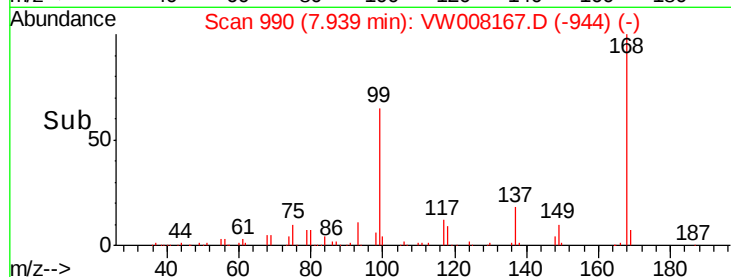
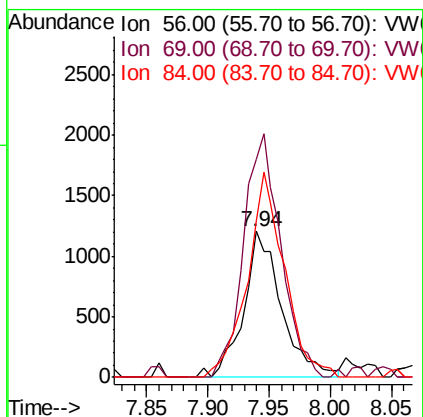
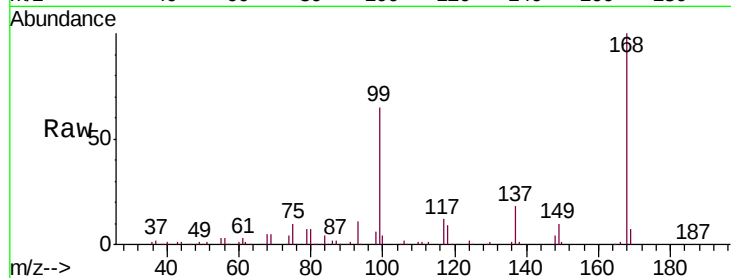
Tgt Ion: 56 Resp: 2615

Ion Ratio Lower Upper

56 100

69 149.5 26.2 39.4#

84 107.4 67.4 101.2#



#33

1,2-Dichloroethane-d4

Concen: 55.502 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008167.D

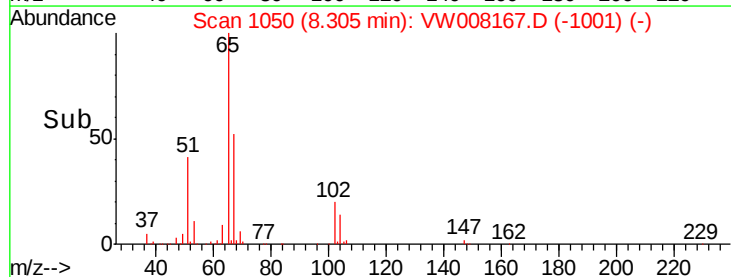
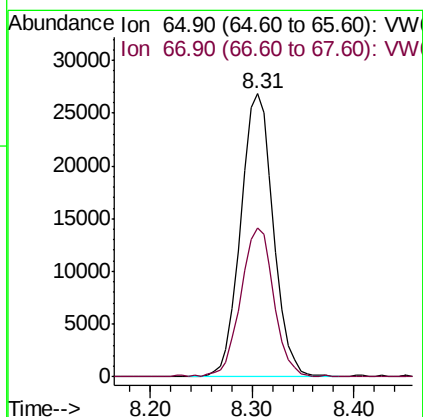
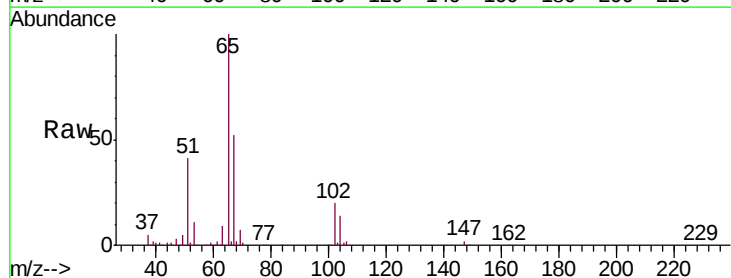
Acq: 11 Jan 2019 01:09

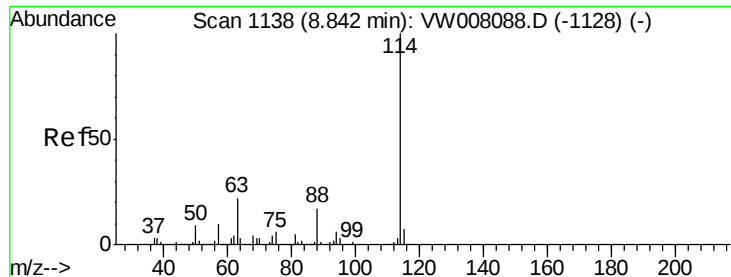
Tgt Ion: 65 Resp: 59594

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.8

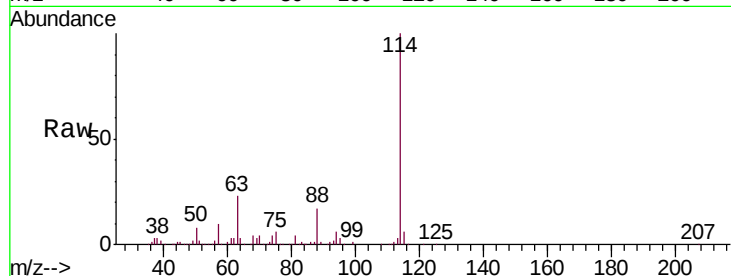




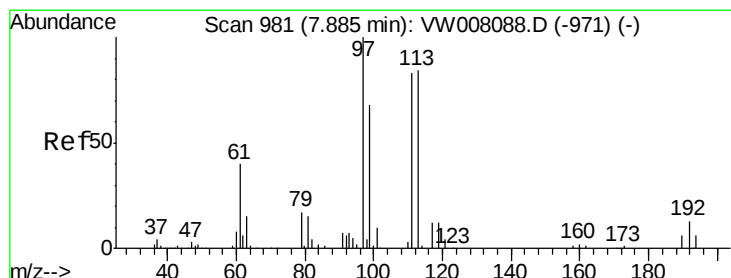
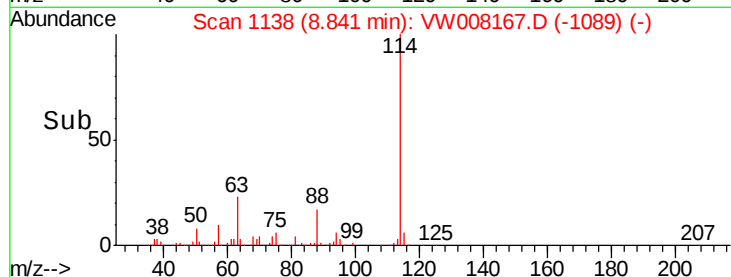
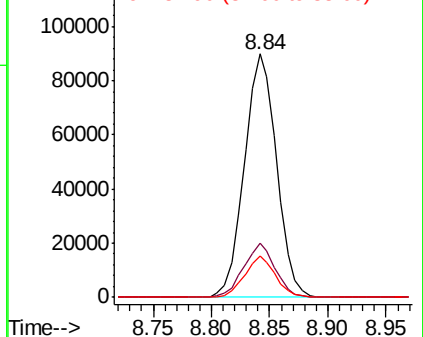
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008167.D
 Acq: 11 Jan 2019 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBL02

Tgt Ion:114 Resp: 173211
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.4
 88 17.0 0.0 33.4

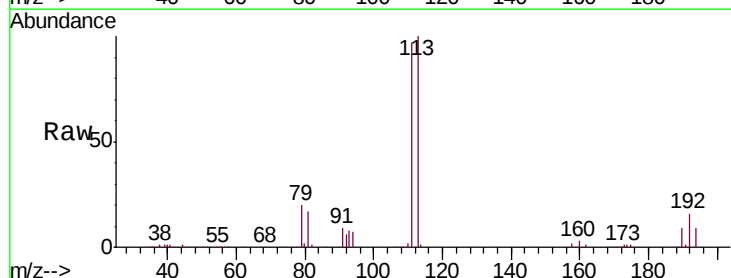


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

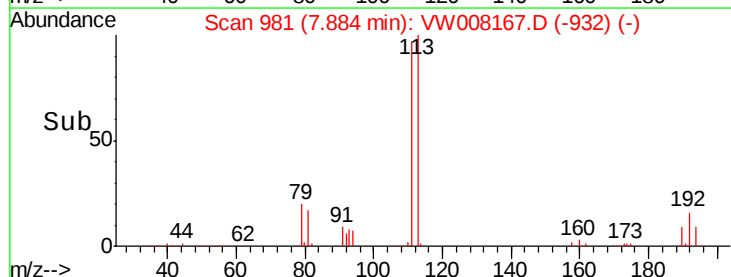
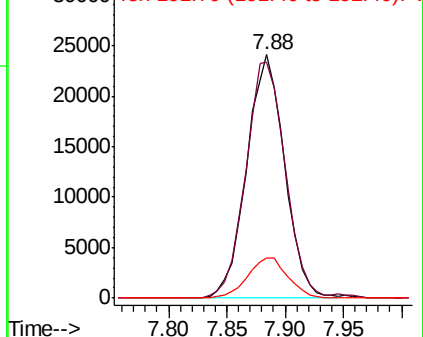


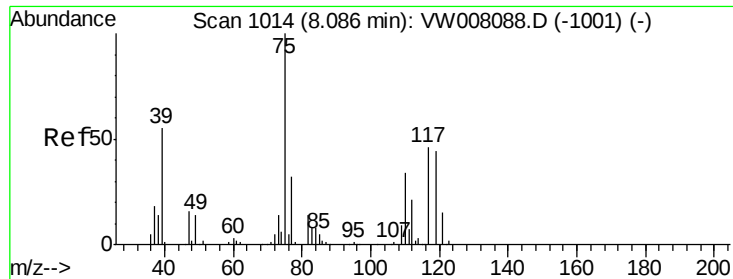
#35
 Dibromofluoromethane
 Concen: 54.134 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008167.D
 Acq: 11 Jan 2019 01:09

Tgt Ion:113 Resp: 54688
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.8 122.8
 192 17.7 12.8 19.2



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

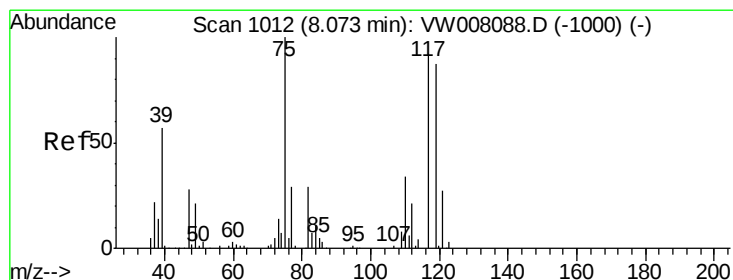
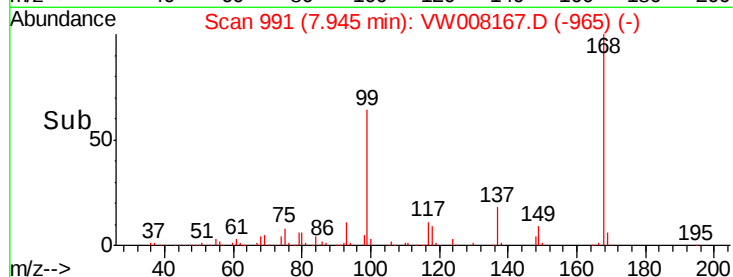
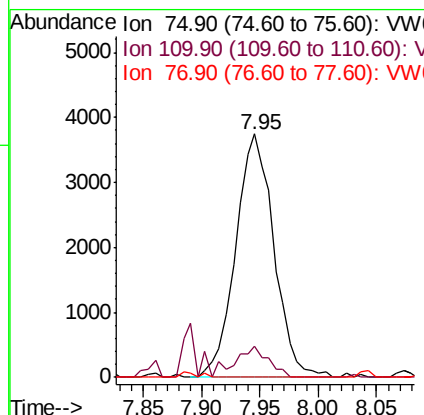
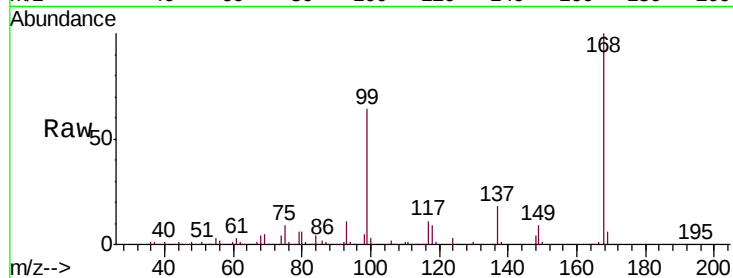




#36
 1,1-Dichloropropene
 Concen: 4.799 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008167.D
 Acq: 11 Jan 2019 01:09

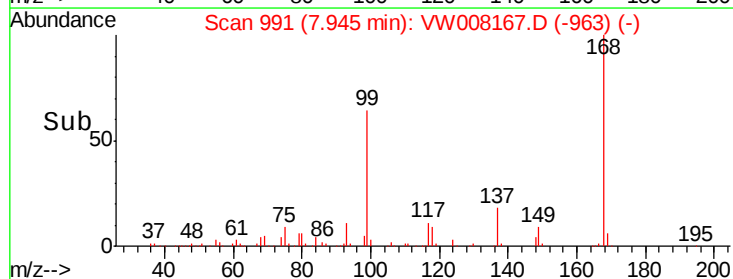
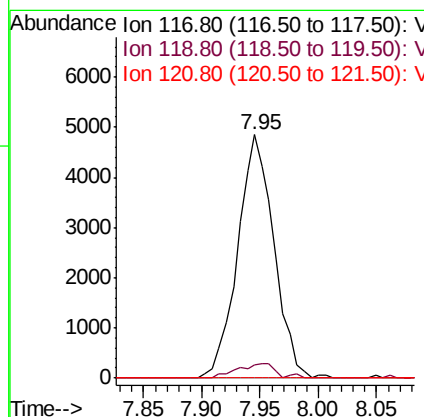
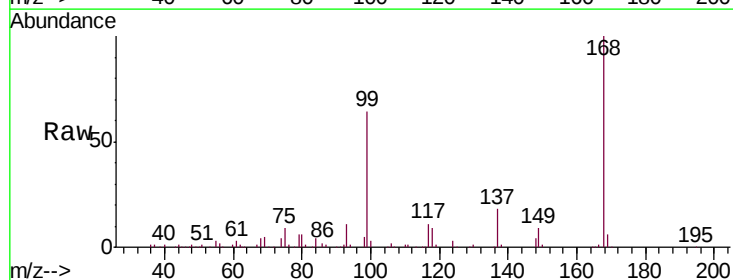
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBL02

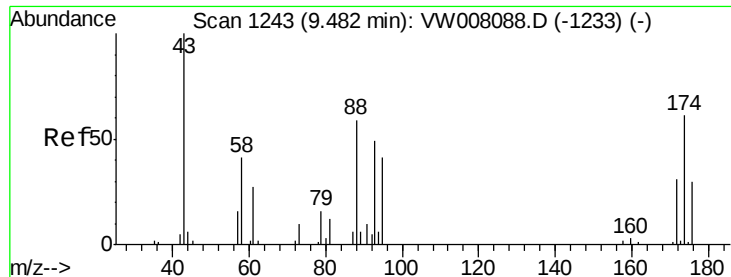
Tgt Ion: 75 Resp: 8563
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.419 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008167.D
 Acq: 11 Jan 2019 01:09

Tgt Ion: 117 Resp: 10482
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.8 113.8#
 121 0.0 23.7 35.5#

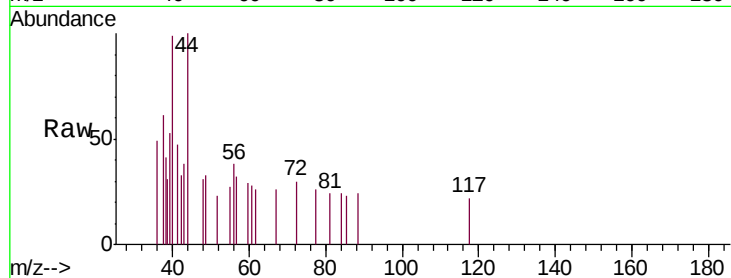




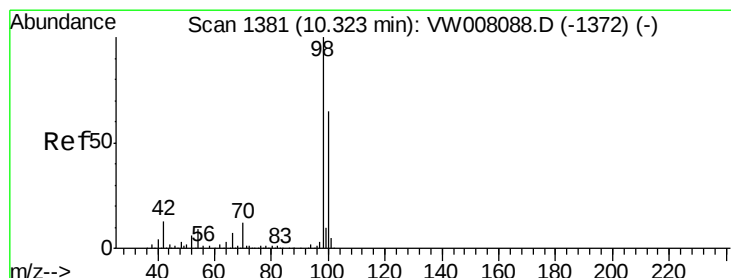
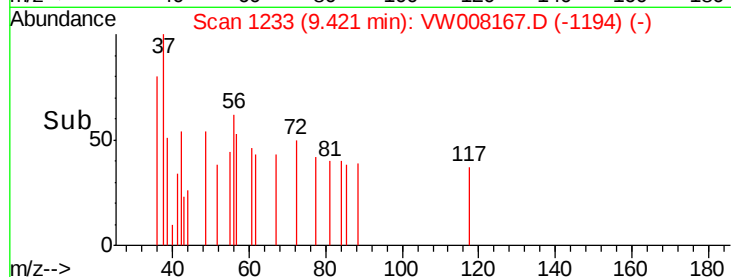
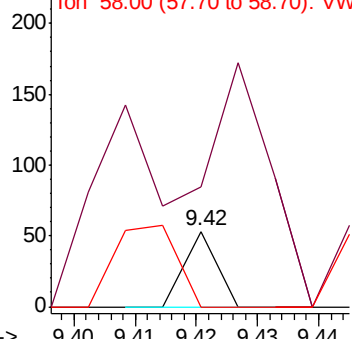
#49
1,4-Dioxane
Concen: 2.005 ug/l
RT: 9.42 min Scan# 1233
Delta R.T. -0.06 min
Lab File: VW008167.D
Acq: 11 Jan 2019 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBL02

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 668.4 0.0 0.0#
58 215.8 61.7 92.5#

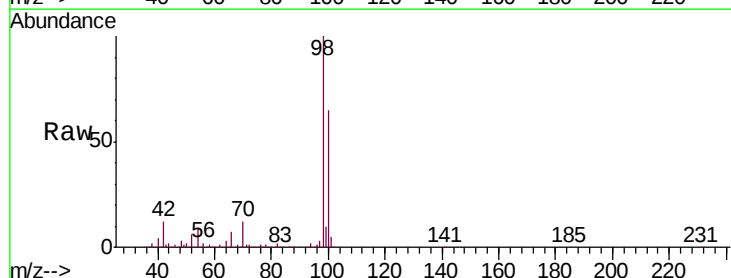


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

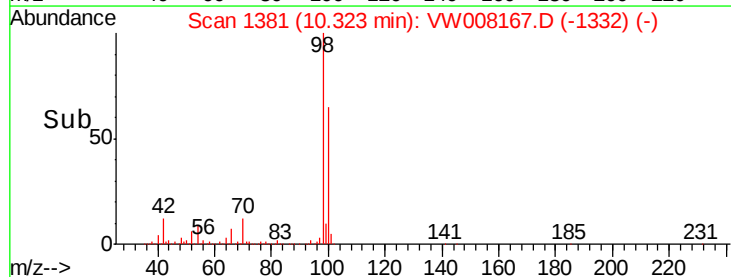
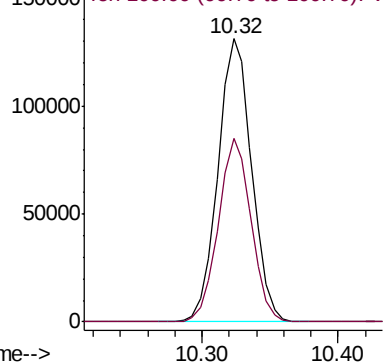


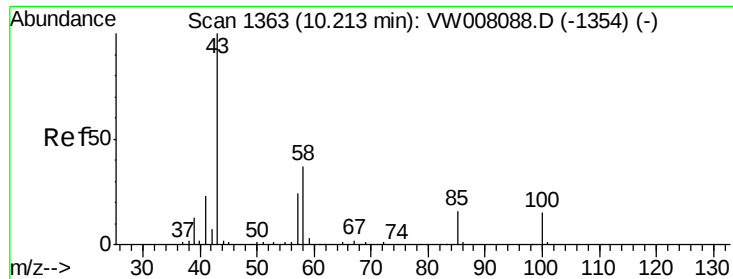
#50
Toluene-d8
Concen: 53.587 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008167.D
Acq: 11 Jan 2019 01:09

Tgt Ion: 98 Resp: 227173
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

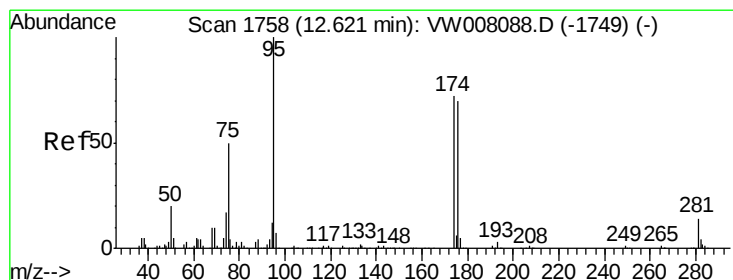
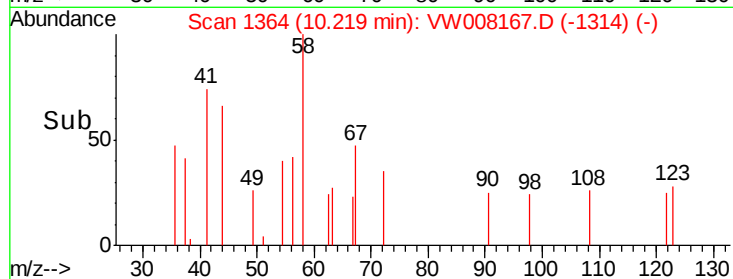
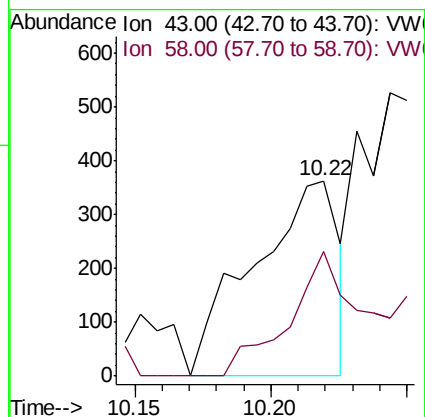
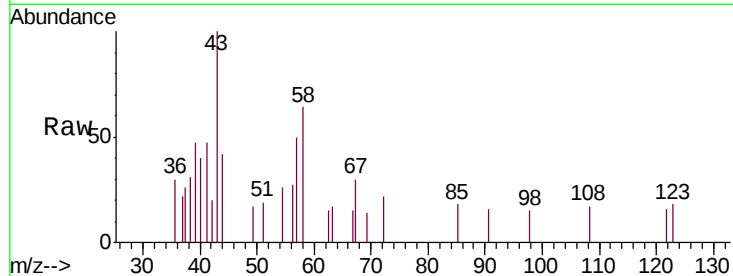




#51
4-Methyl-2-Pentanone
Concen: 1.135 ug/l
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW008167.D
Acq: 11 Jan 2019 01:09

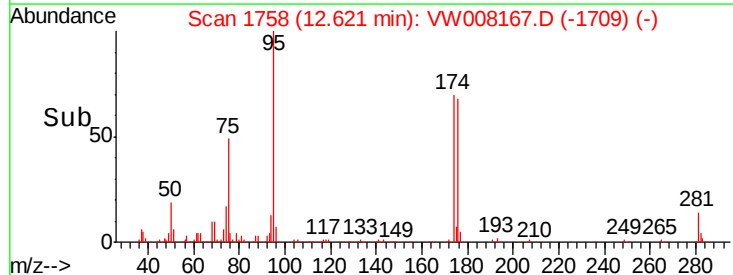
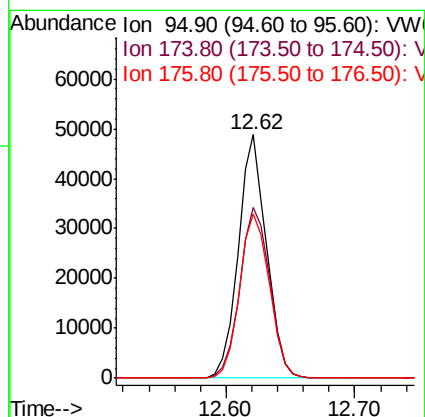
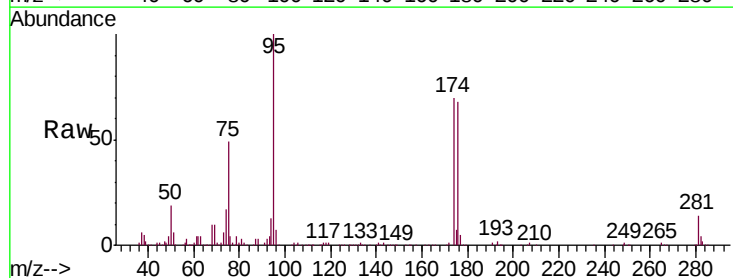
Instrument :
MSVOA_W
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VW0110SBL02

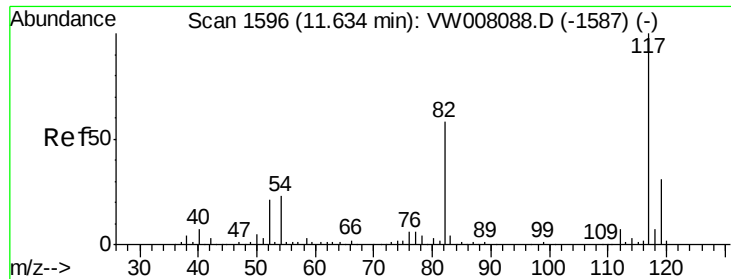
Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
58 54.3 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 48.423 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008167.D
Acq: 11 Jan 2019 01:09

Tgt Ion: 95 Resp: 73593
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.0
176 71.6 0.0 140.2

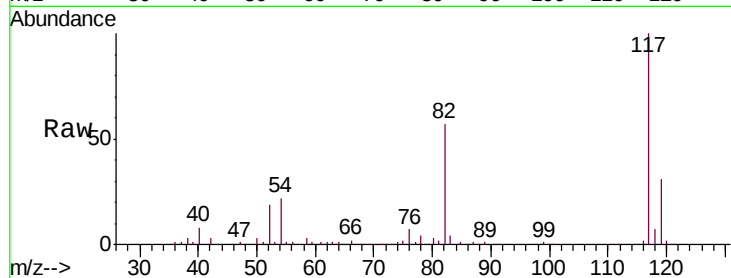




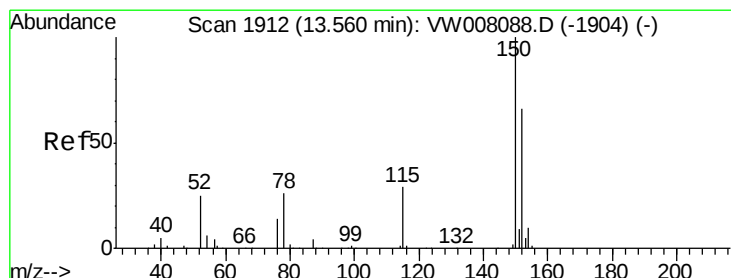
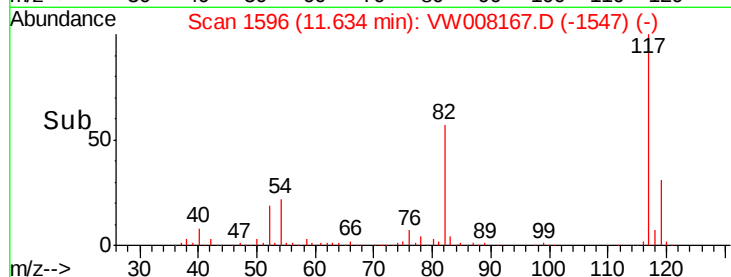
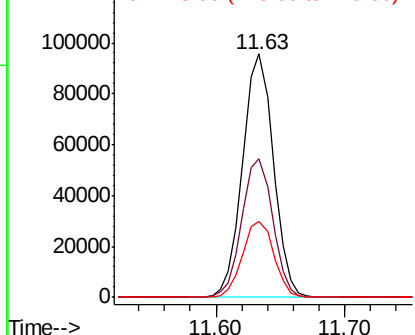
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008167.D
Acq: 11 Jan 2019 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBL02

Tgt Ion:117 Resp: 158312
Ion Ratio Lower Upper
117 100
82 57.1 46.4 69.6
119 31.4 24.7 37.1

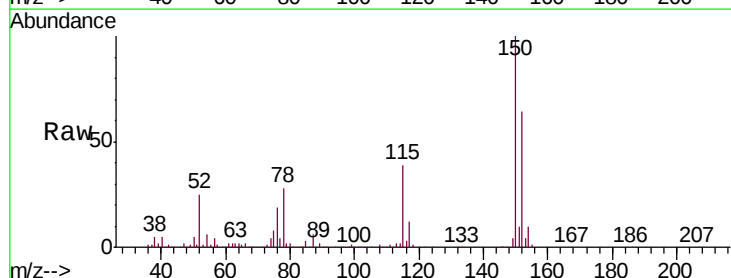


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

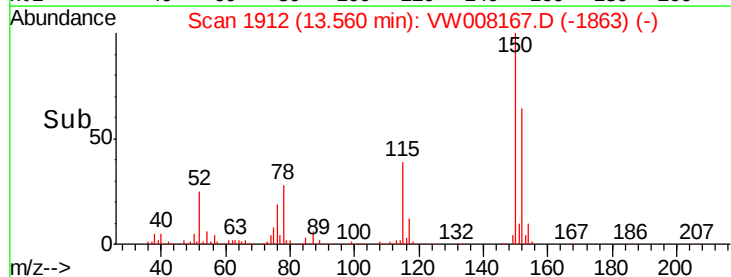
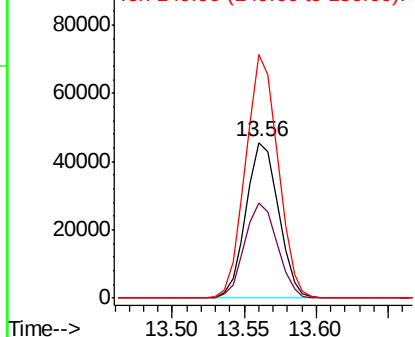


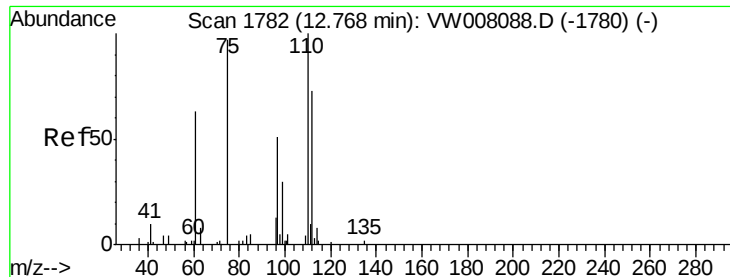
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008167.D
Acq: 11 Jan 2019 01:09

Tgt Ion:152 Resp: 71438
Ion Ratio Lower Upper
152 100
115 61.6 30.8 92.4
150 156.1 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: 57.343 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008167.D

Acq: 11 Jan 2019 01:09

Instrument :

MSVOA_W

ClientSampleId :

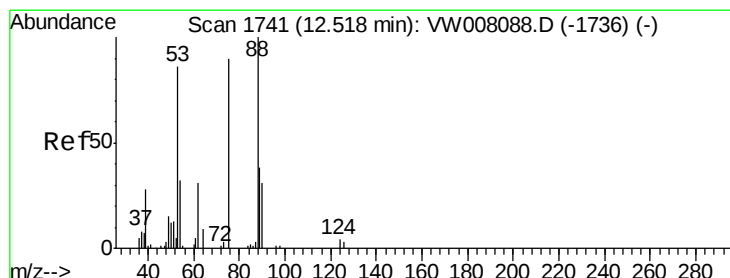
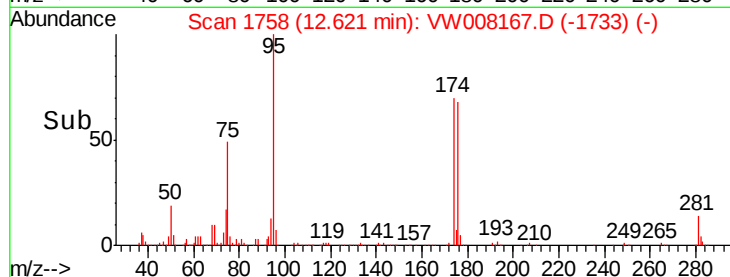
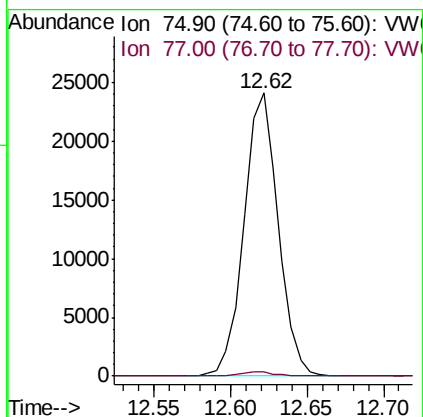
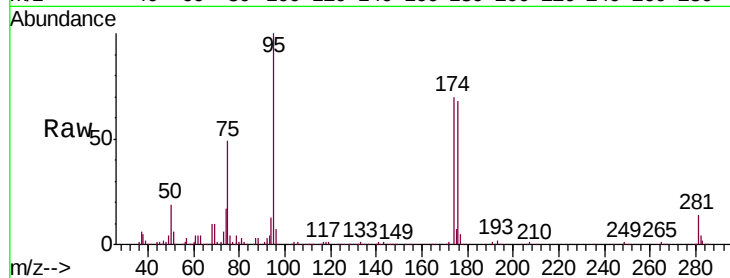
VW0110SBL02

Tgt Ion: 75 Resp: 37344

Ion Ratio Lower Upper

75 100

77 1.5 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.535 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008167.D

Acq: 11 Jan 2019 01:09

Tgt Ion: 75 Resp: 37344

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.1 35.4 53.2#

