

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
 Data File : VW008272.D
 Acq On : 15 Jan 2019 04:30
 Operator : SY/VA
 Sample : K1139-17RE
 Misc : 3.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-9RE

Quant Time: Jan 15 11:02:16 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	57227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	107069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	74595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14963	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	41384	64.34	ug/l	0.00
Spiked Amount			Recovery	=	128.68%	
35) Dibromofluoromethane	7.88	113	38595	61.80	ug/l	0.00
Spiked Amount			Recovery	=	123.60%	
50) Toluene-d8	10.33	98	131730	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	21804	23.21	ug/l	0.00
Spiked Amount			Recovery	=	46.42%	

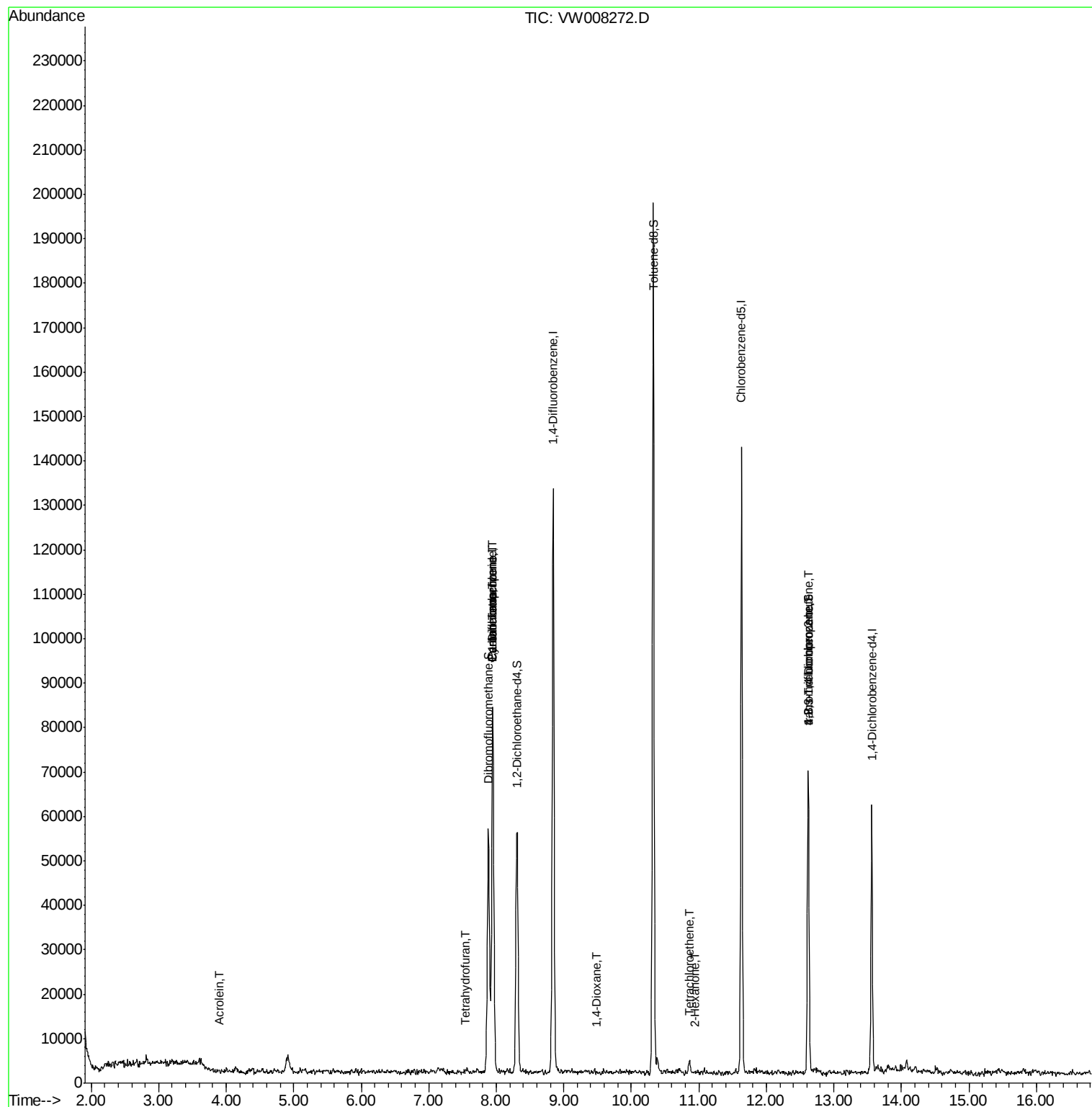
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	33	Below Cal	#	100
13) Acrolein	3.90	56	151	2.042	ug/l #	55
16) Acetone	4.13	43	355	Below Cal	#	35
20) Methylene Chloride	4.92	84	2663	Below Cal	#	82
29) Tetrahydrofuran	7.54	42	153	1.280	ug/l #	44
31) Cyclohexane	7.95	56	1818	1.343	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	5125	4.647	ug/l #	52
38) Carbon Tetrachloride	7.95	117	6486	6.425	ug/l #	16
49) 1,4-Dioxane	9.48	88	20	3.414	ug/l #	1
59) 2-Hexanone	10.96	43	323	1.117	ug/l	91
64) Tetrachloroethene	10.86	164	514	1.059	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	11111	81.457	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	11111	189.687	ug/l #	11

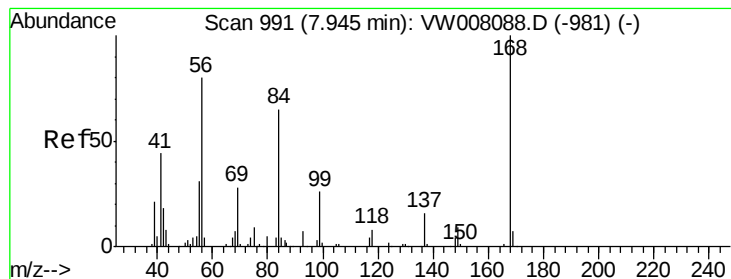
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW008272.D

Acq: 15 Jan 2019 04:30

Instrument :

MSVOA_W

ClientSampled :

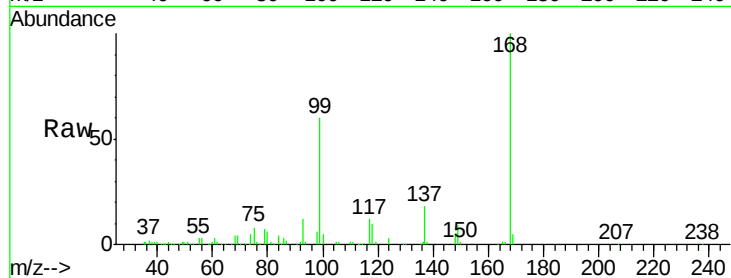
S-9RE

Tgt Ion:168 Resp: 57227

Ion Ratio Lower Upper

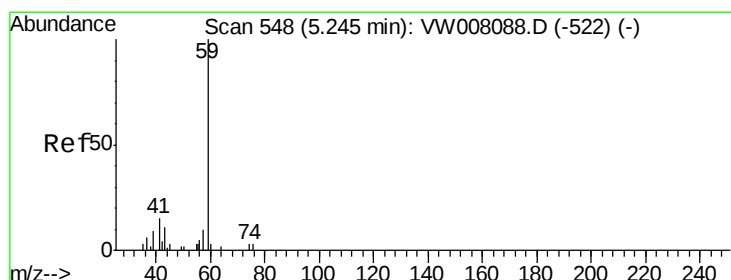
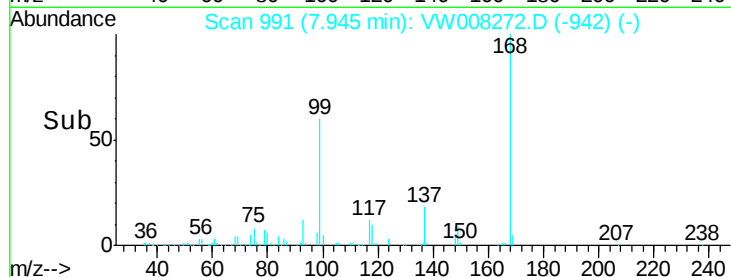
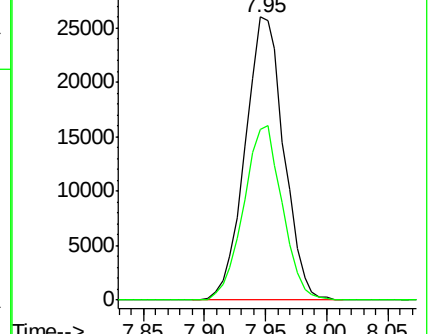
168 100

99 60.5 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: 5.23 min Scan# 546

Delta R.T. -0.01 min

Lab File: VW008272.D

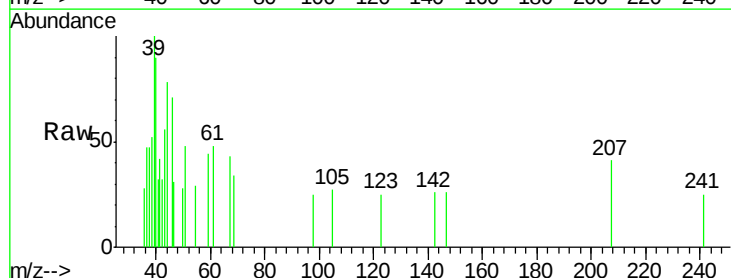
Acq: 15 Jan 2019 04:30

Tgt Ion: 59 Resp: 33

Ion Ratio Lower Upper

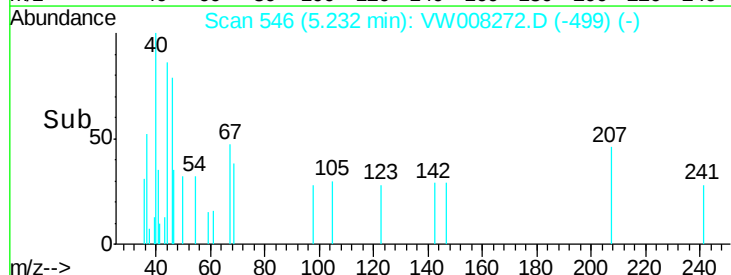
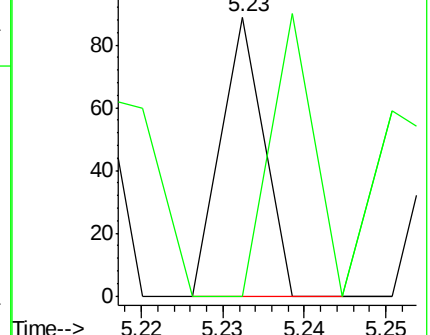
59 100

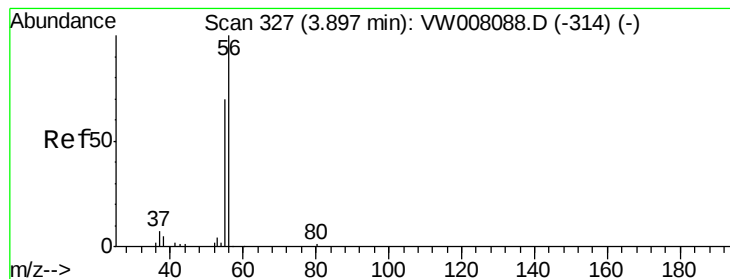
57 100.0 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.042 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

Instrument :

MSVOA_W

ClientSampled :

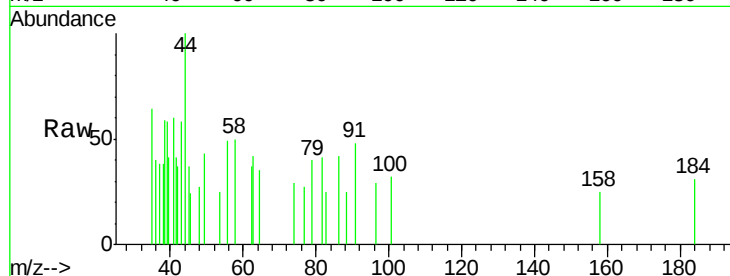
S-9RE

Tgt Ion: 56 Resp: 151

Ion Ratio Lower Upper

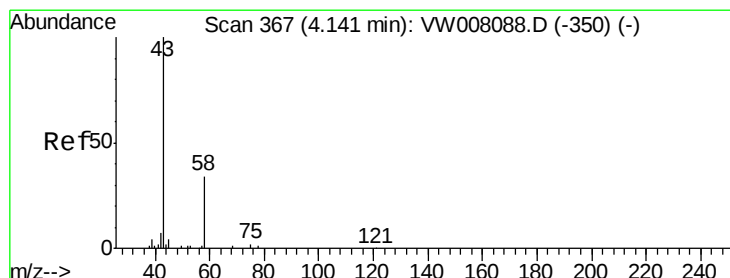
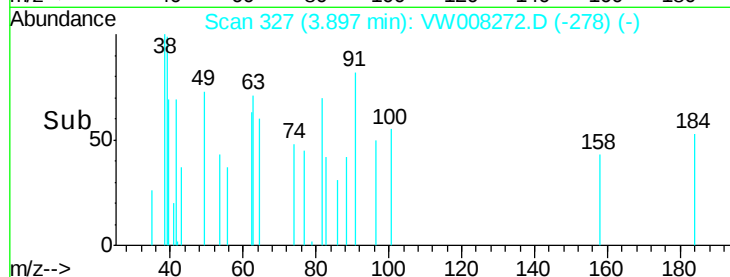
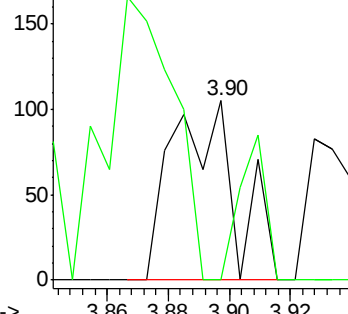
56 100

55 33.8 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: VW008272.D

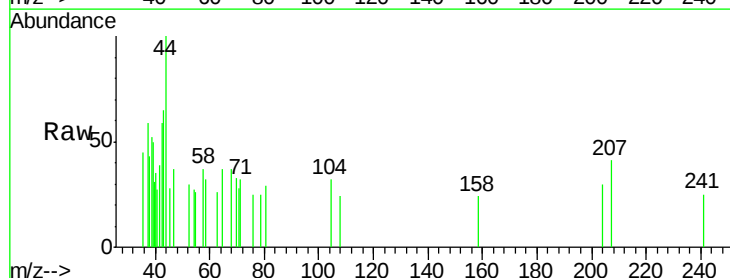
Acq: 15 Jan 2019 04:30

Tgt Ion: 43 Resp: 355

Ion Ratio Lower Upper

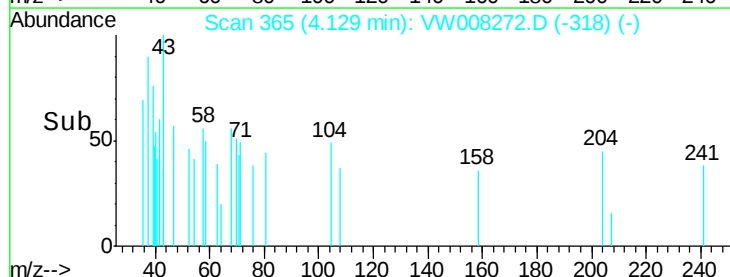
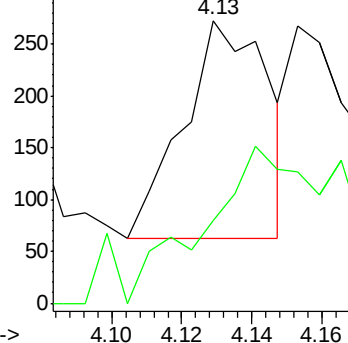
43 100

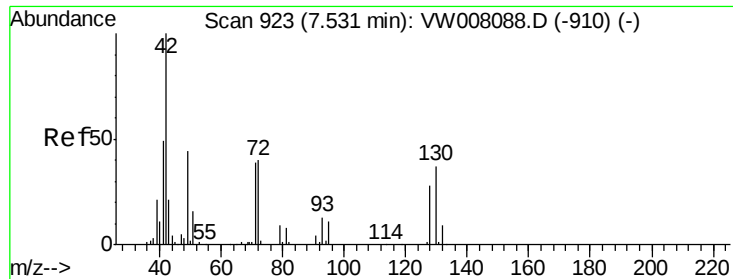
58 71.6 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

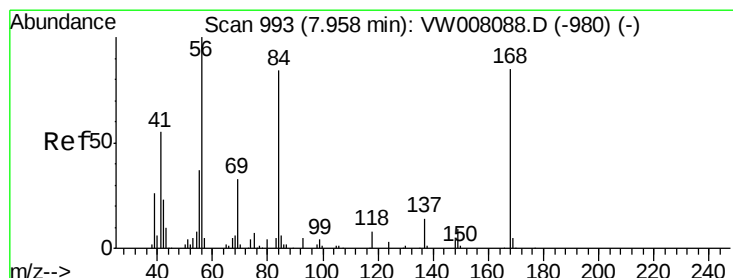
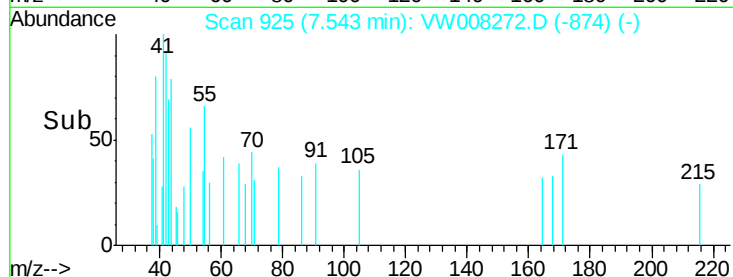
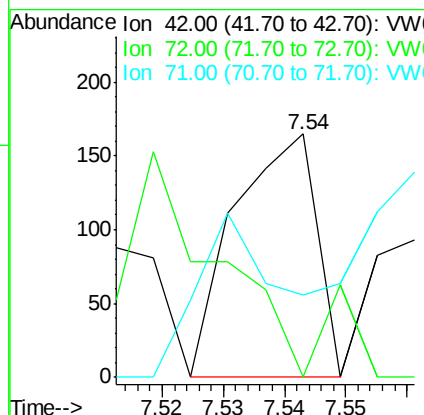
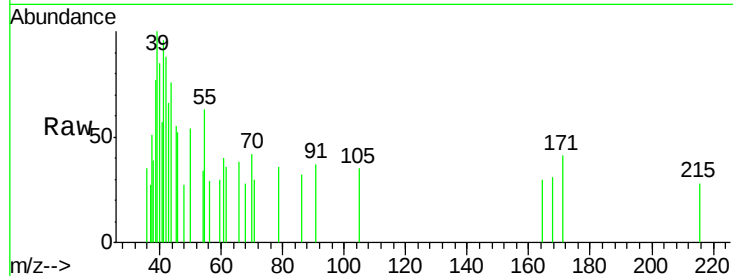




#29
Tetrahydrofuran
Concen: 1.280 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008272.D
Acq: 15 Jan 2019 04:30

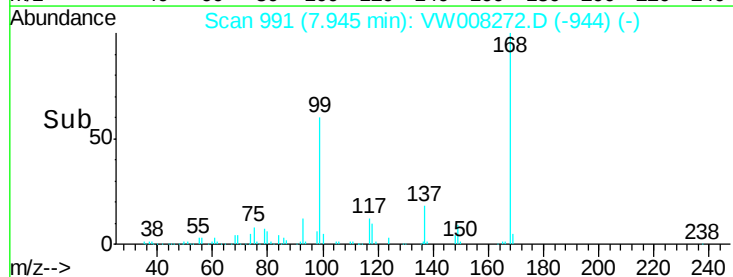
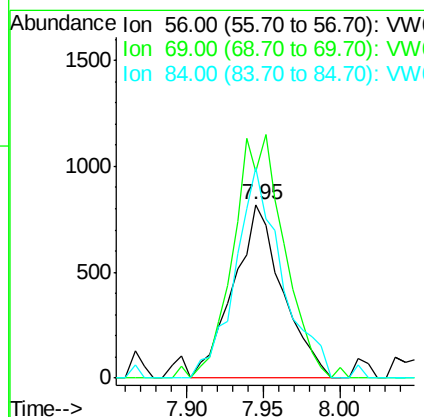
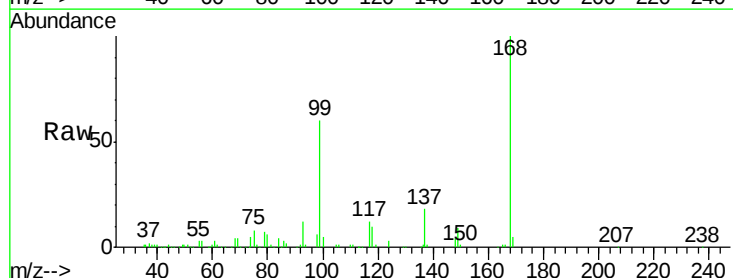
Instrument :
MSVOA_W
ClientSampleId :
S-9RE

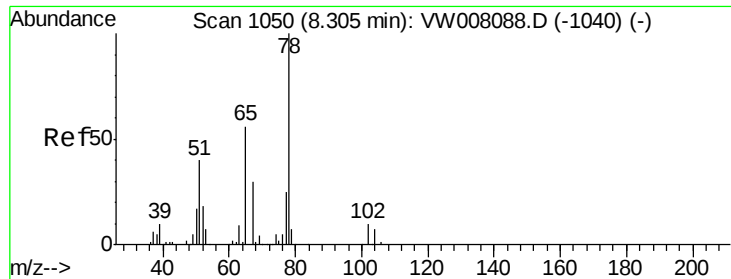
Tgt Ion: 42 Resp: 153
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 68.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008272.D
Acq: 15 Jan 2019 04:30

Tgt Ion: 56 Resp: 1818
Ion Ratio Lower Upper
56 100
69 118.8 26.2 39.4#
84 128.7 67.4 101.2#

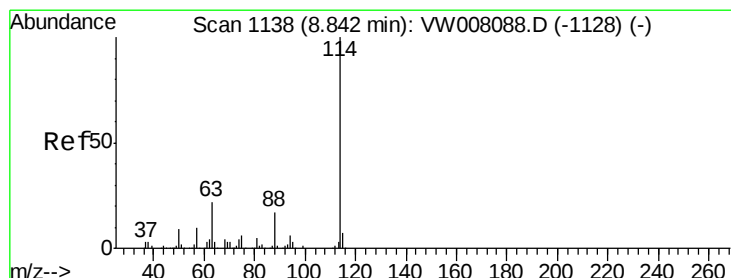
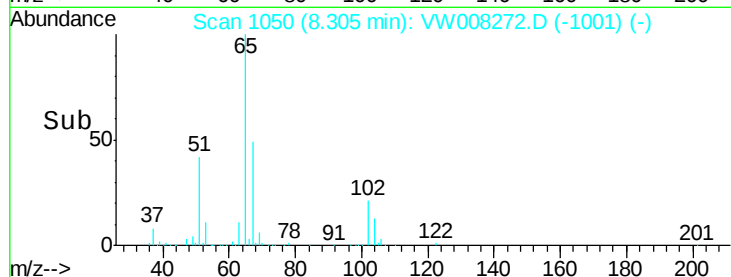
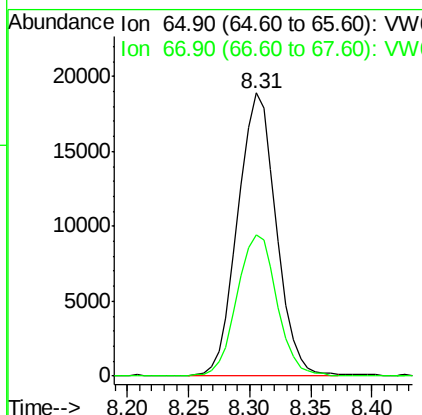
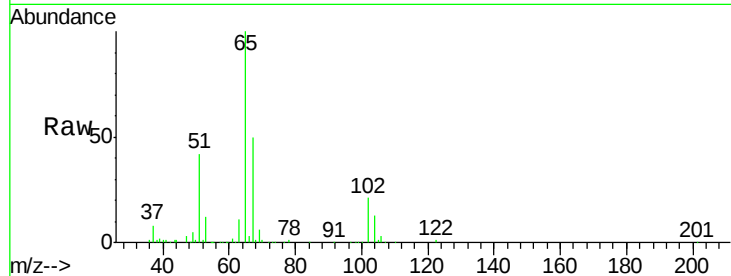




#33
 1,2-Dichloroethane-d4
 Concen: 64.343 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008272.D
 Acq: 15 Jan 2019 04:30

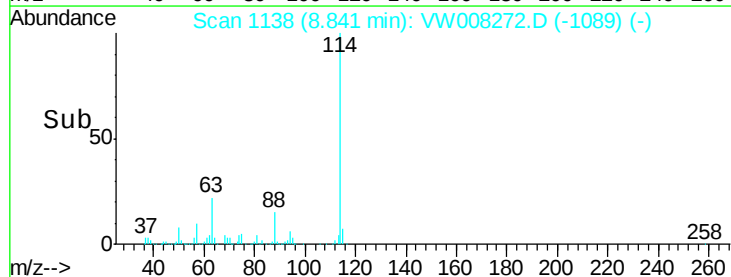
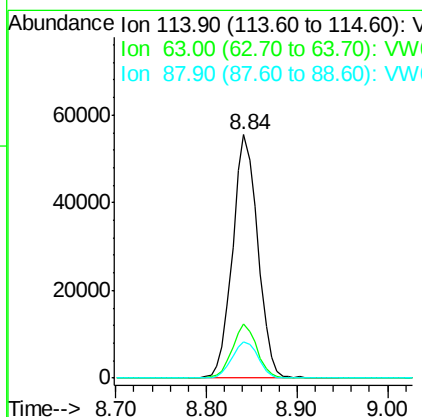
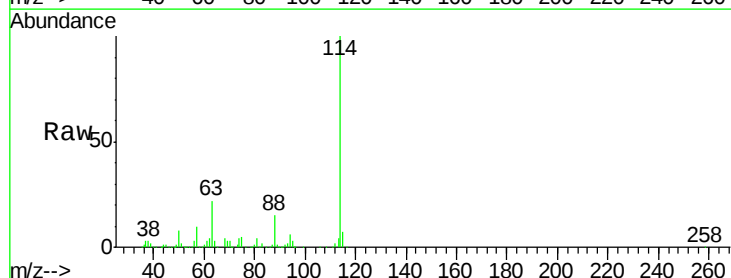
Instrument :
 MSVOA_W
 ClientSampled :
 S-9RE

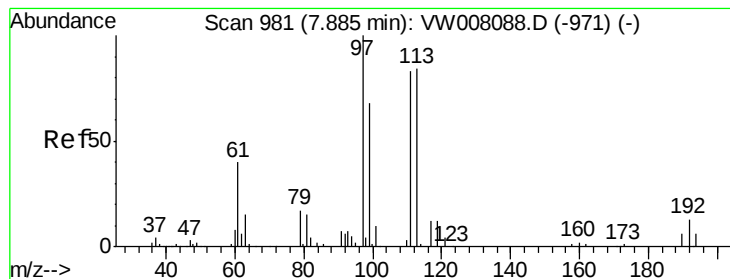
Tgt Ion: 65 Resp: 41384
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008272.D
 Acq: 15 Jan 2019 04:30

Tgt Ion: 114 Resp: 107069
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.4
 88 14.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 61.805 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

Instrument :

MSVOA_W

ClientSampleId :

S-9RE

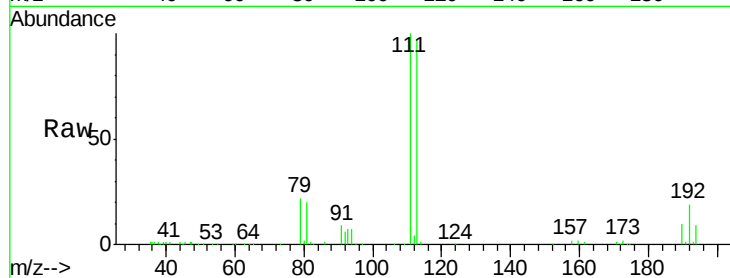
Tgt Ion:113 Resp: 38595

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

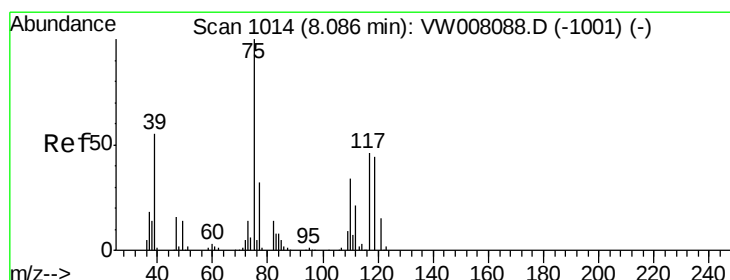
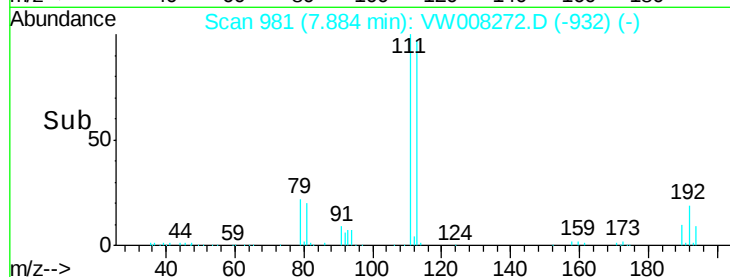
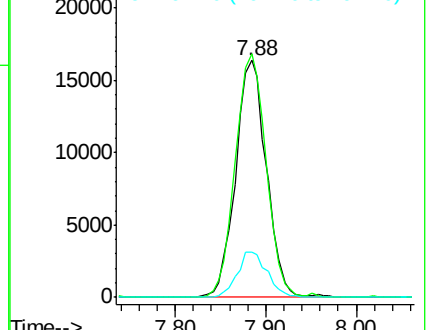
192 18.5 12.8 19.2



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: 4.647 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

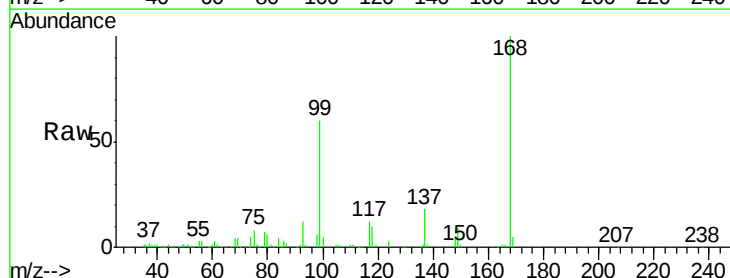
Tgt Ion: 75 Resp: 5125

Ion Ratio Lower Upper

75 100

110 10.8 17.1 51.3#

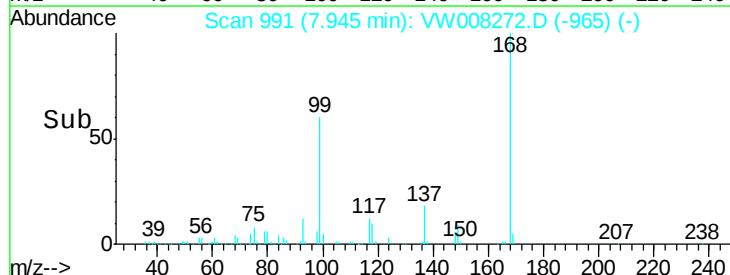
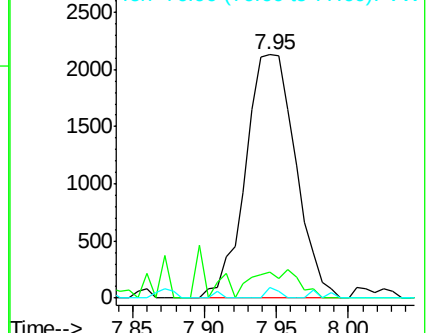
77 1.1 25.5 38.3#

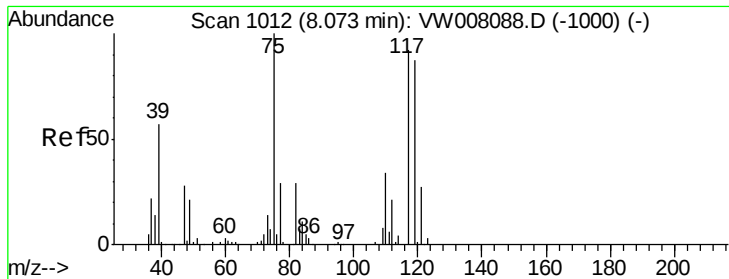


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.425 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

Instrument :

MSVOA_W

ClientSampled :

S-9RE

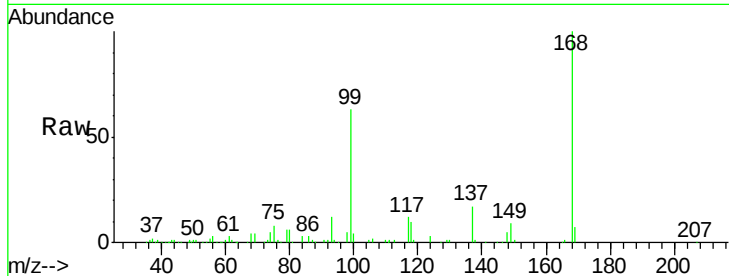
Tgt Ion:117 Resp: 6486

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.8#

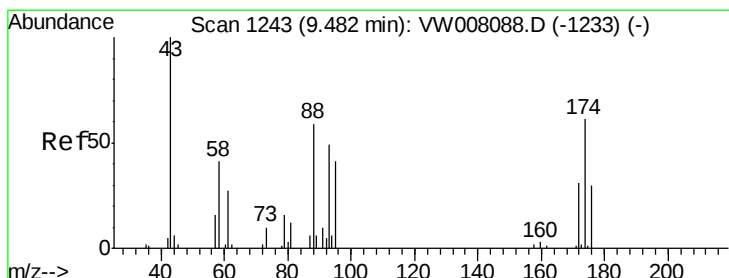
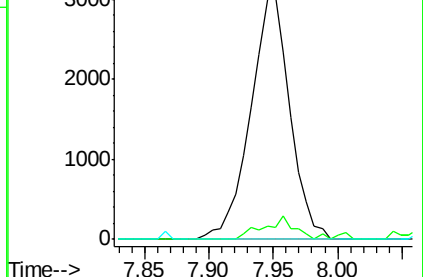
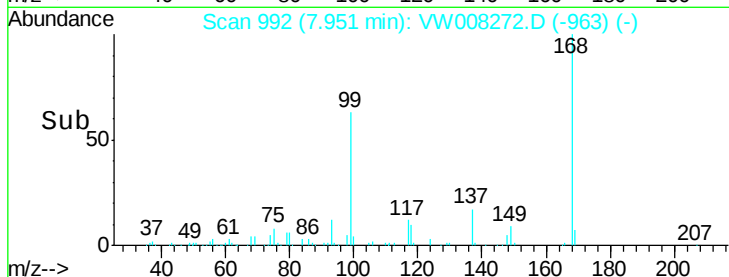
121 0.0 23.7 35.5#



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: 3.414 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

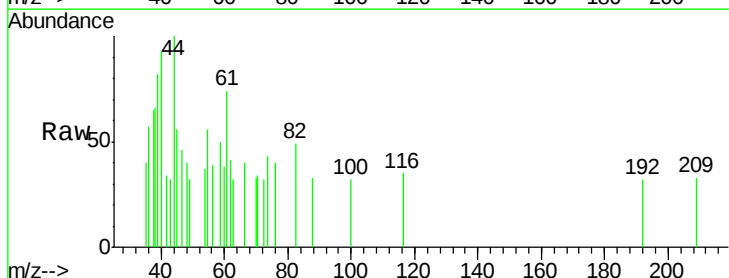
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 790.0 0.0 0.0#

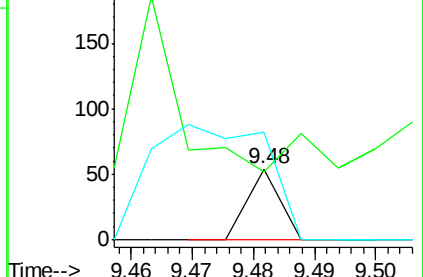
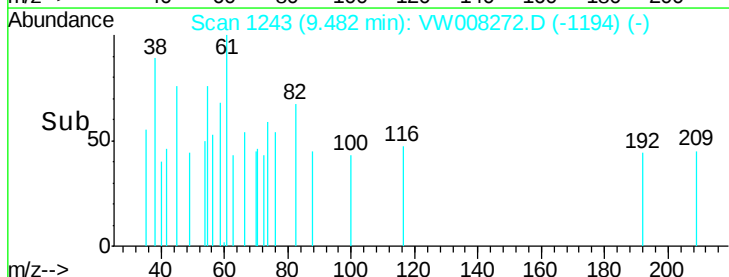
58 680.0 61.7 92.5#

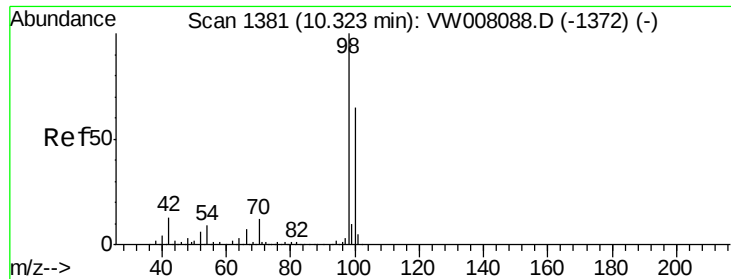


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 50.269 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

Instrument :

MSVOA_W

ClientSampled :

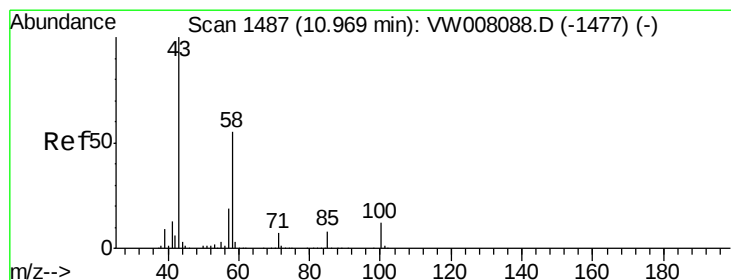
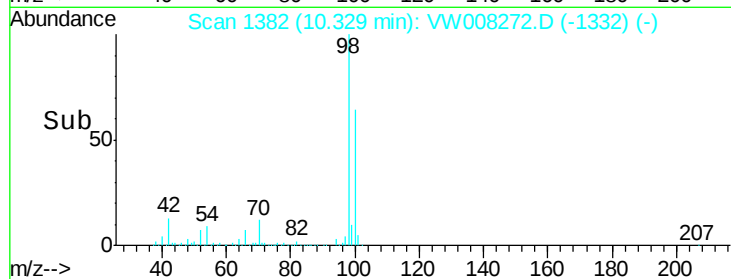
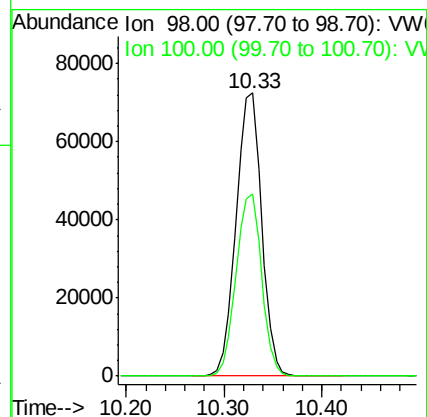
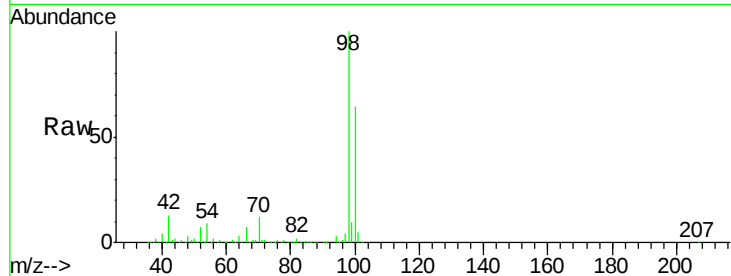
S-9RE

Tgt Ion: 98 Resp: 131730

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



#59

2-Hexanone

Concen: 1.117 ug/l

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW008272.D

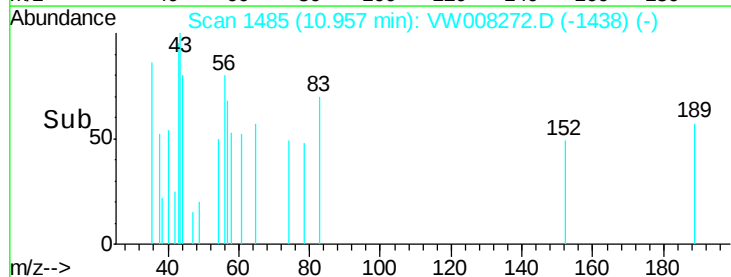
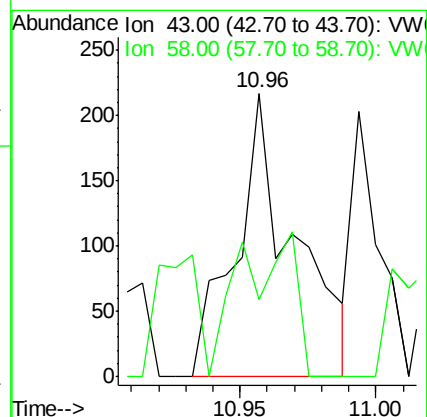
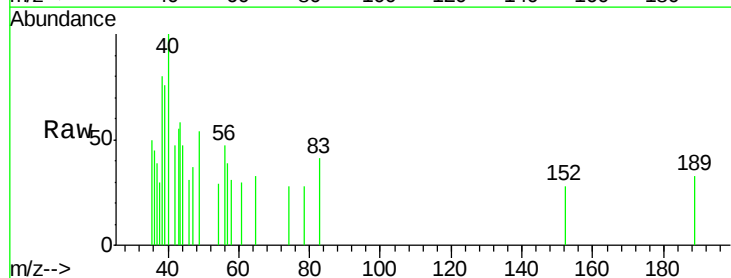
Acq: 15 Jan 2019 04:30

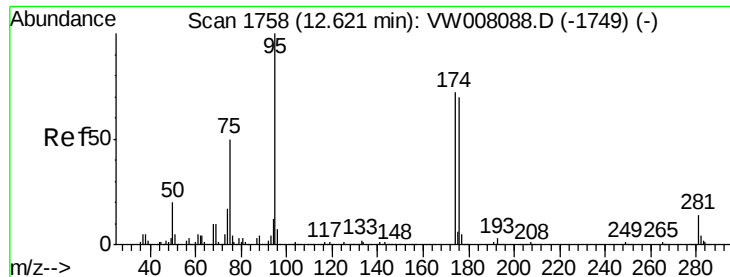
Tgt Ion: 43 Resp: 323

Ion Ratio Lower Upper

43 100

58 47.7 27.2 81.5





#62

4-Bromofluorobenzene

Concen: 23.209 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

Instrument :

MSVOA_W

ClientSampleId :

S-9RE

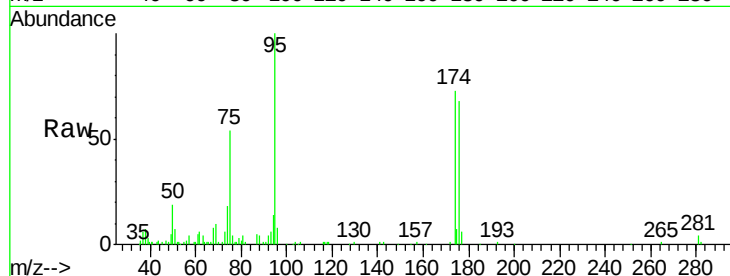
Tgt Ion: 95 Resp: 21804

Ion Ratio Lower Upper

95 100

174 74.5 0.0 143.0

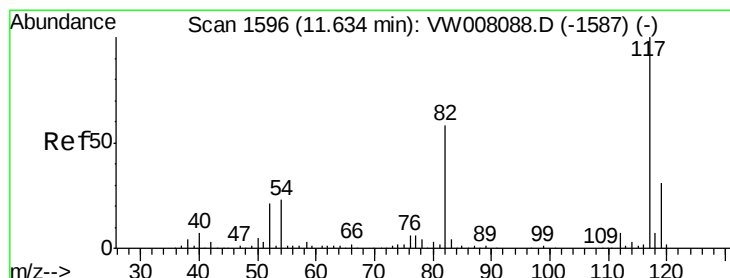
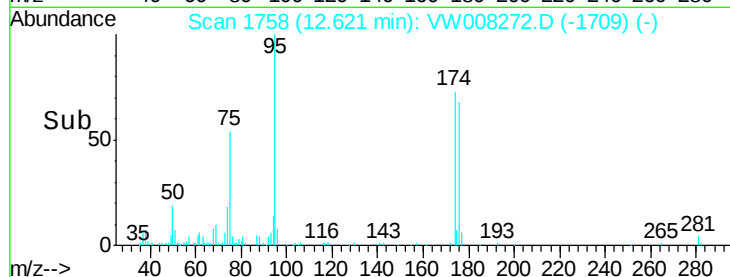
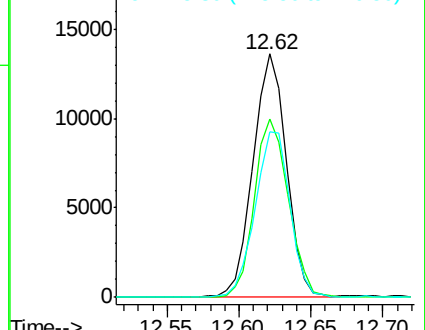
176 71.3 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

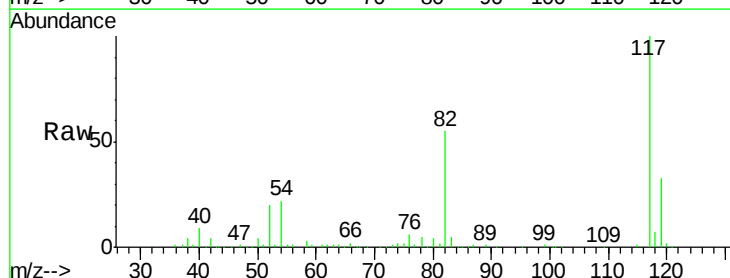
Tgt Ion: 117 Resp: 74595

Ion Ratio Lower Upper

117 100

82 55.0 46.4 69.6

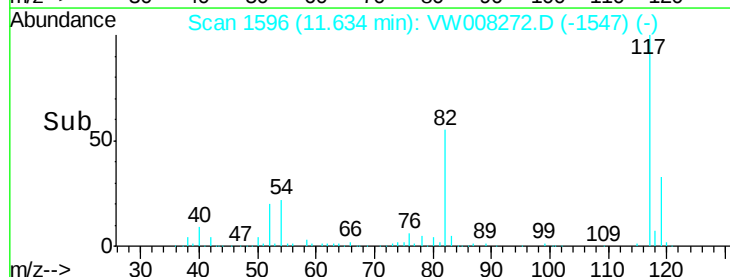
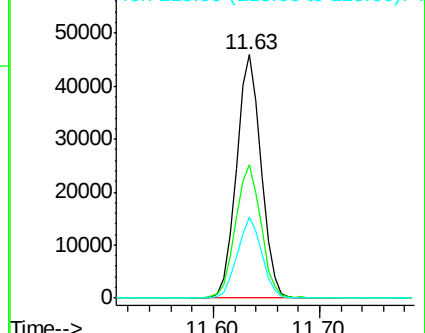
119 33.1 24.7 37.1

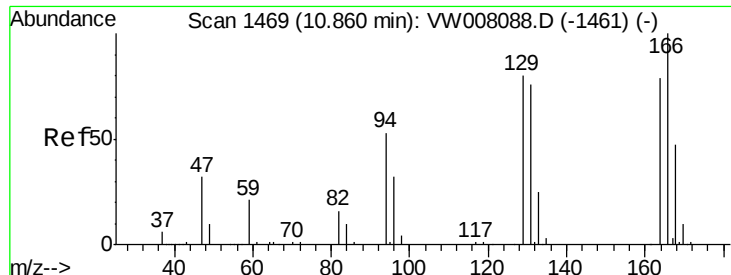


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 1.059 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

Instrument :

MSVOA_W

ClientSampleId :

S-9RE

Tgt Ion:164 Resp: 514

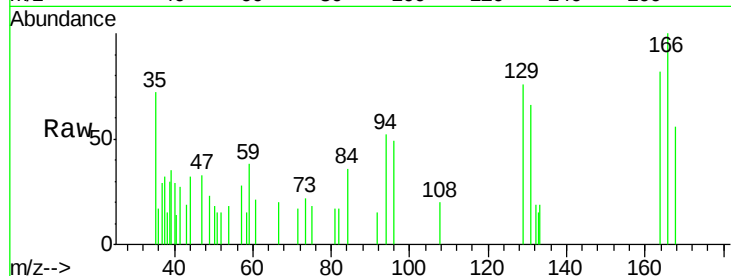
Ion Ratio Lower Upper

164 100

166 121.3 100.7 151.1

129 92.4 81.0 121.4

131 79.7 76.1 114.1

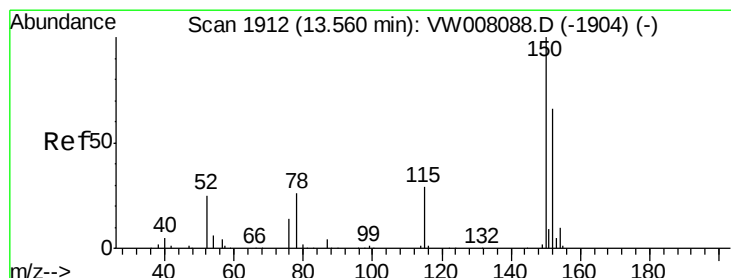
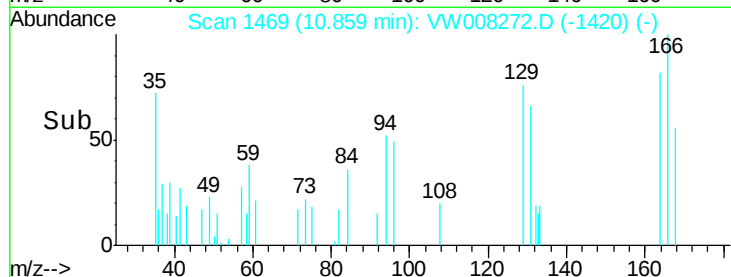
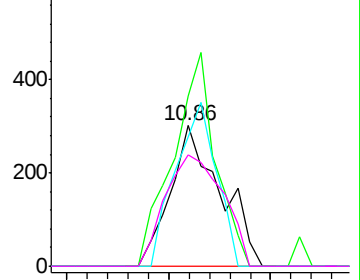


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VW008272.D

Acq: 15 Jan 2019 04:30

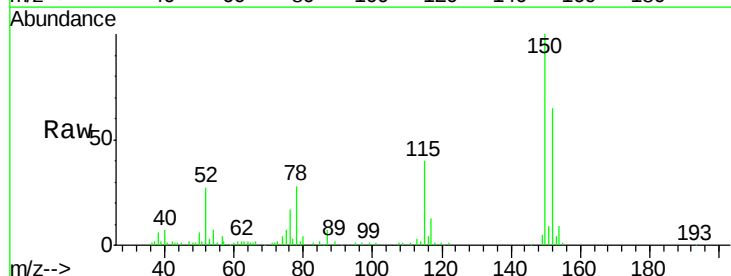
Tgt Ion:152 Resp: 14963

Ion Ratio Lower Upper

152 100

115 61.4 30.8 92.4

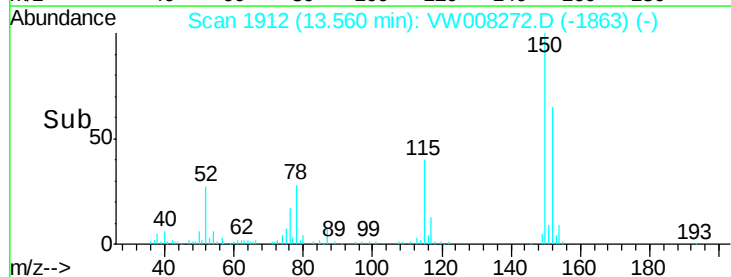
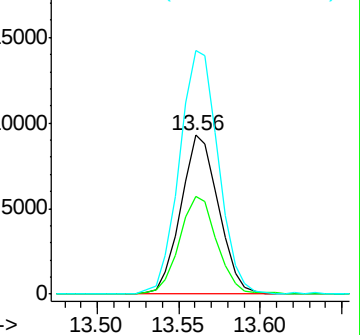
150 157.9 0.0 350.2

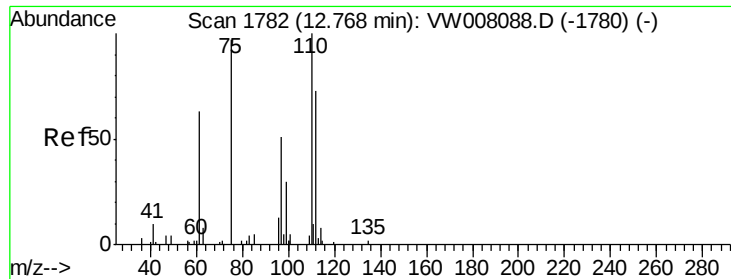


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 81.457 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

Instrument :

MSVOA_W

ClientSampleId :

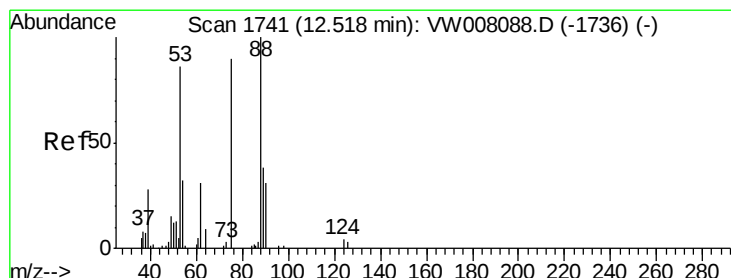
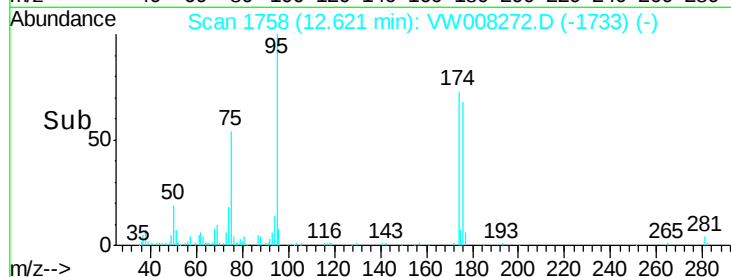
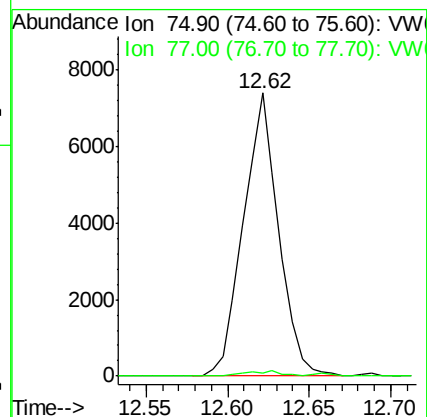
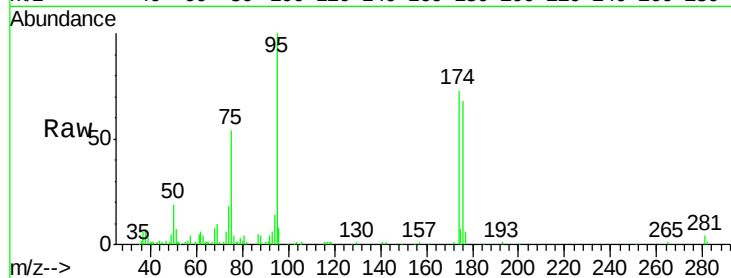
S-9RE

Tgt Ion: 75 Resp: 11111

Ion Ratio Lower Upper

75 100

77 1.9 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 189.687 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008272.D

Acq: 15 Jan 2019 04:30

Tgt Ion: 75 Resp: 11111

Ion Ratio Lower Upper

75 100

53 1.4 78.8 118.2#

89 0.0 35.4 53.2#

