

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020119\
 Data File : VW008487.D
 Acq On : 01 Feb 2019 17:44
 Operator : SY/VA
 Sample : K1292-01
 Misc : 3.47G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-1

Quant Time: Feb 02 00:46:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	376775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	600626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	543995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	279076	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	196541	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
35) Dibromofluoromethane	7.88	113	187588	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
50) Toluene-d8	10.32	98	708653	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.62	95	270818	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

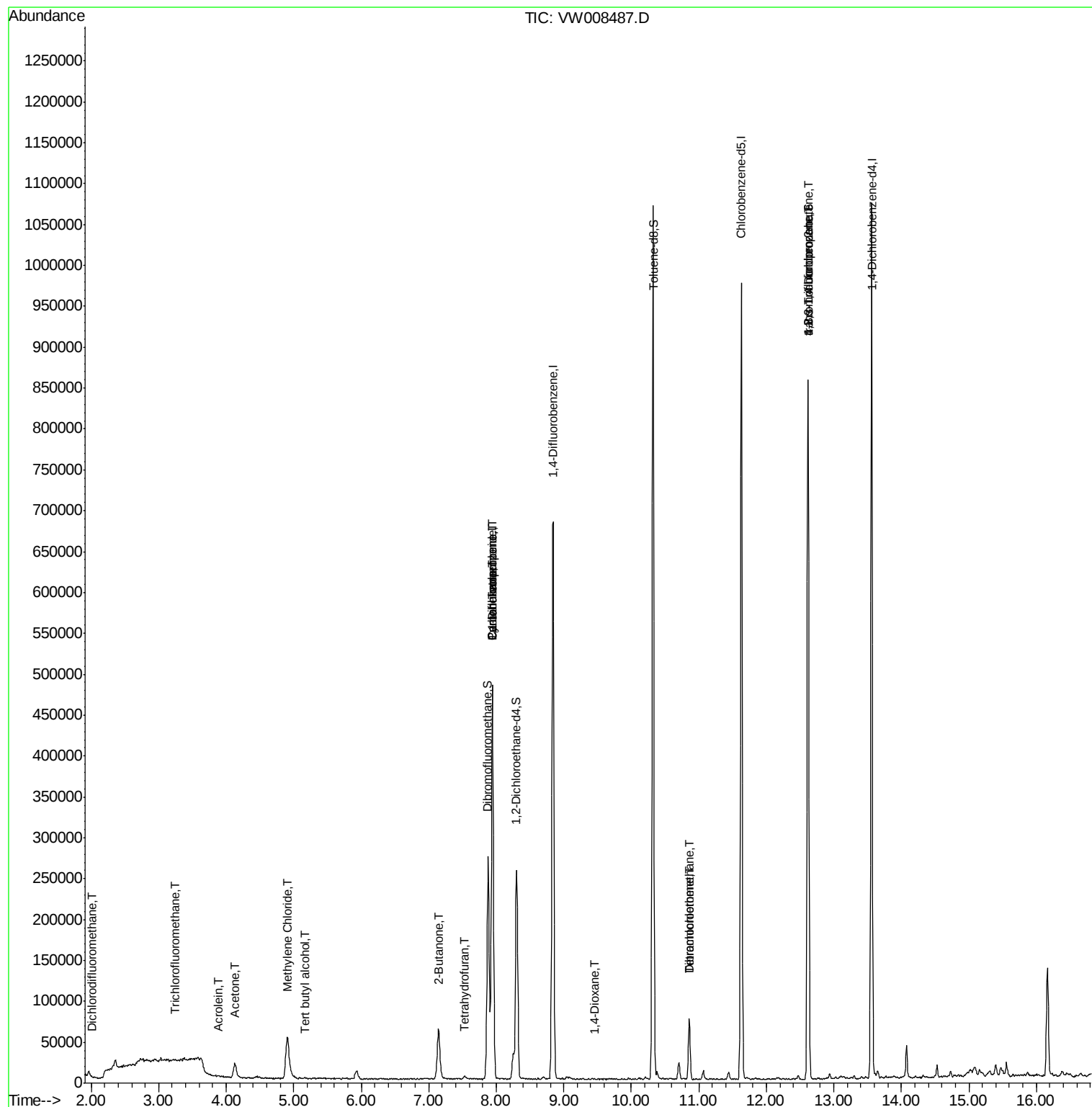
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	425	3.435	ug/l #	41
7) Trichlorofluoromethane	3.24	101	260	4.794	ug/l #	49
11) Tert butyl alcohol	5.17	59	670	2.248	ug/l #	29
13) Acrolein	3.88	56	266	5.180	ug/l #	82
16) Acetone	4.13	43	32042	38.548	ug/l #	89
20) Methylene Chloride	4.91	84	45045	11.758	ug/l	92
25) 2-Butanone	7.15	43	4882	4.229	ug/l #	74
29) Tetrahydrofuran	7.52	42	3554	4.858	ug/l	94
31) Cyclohexane	7.95	56	7717	1.062	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	26488	4.669	ug/l #	50
38) Carbon Tetrachloride	7.95	117	35274	6.178	ug/l #	16
49) 1,4-Dioxane	9.46	88	45	1.319	ug/l #	1
60) Dibromochloromethane	10.86	129	12976	3.606	ug/l #	10
64) Tetrachloroethene	10.86	164	15322	4.160	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	132995	54.812	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	132995	108.259	ug/l #	12

(#) = 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: VW008487.D

Acq: 01 Feb 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

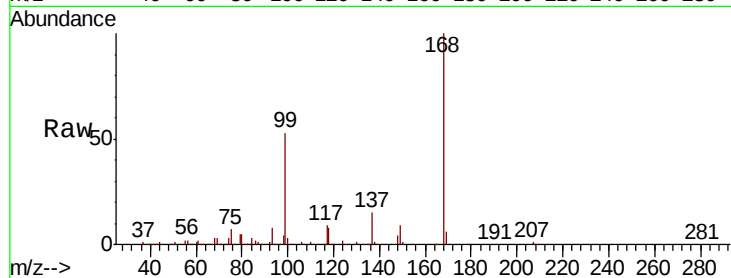
WC-1

Tgt Ion: 168 Resp: 376775

Ion Ratio Lower Upper

168 100

99 52.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

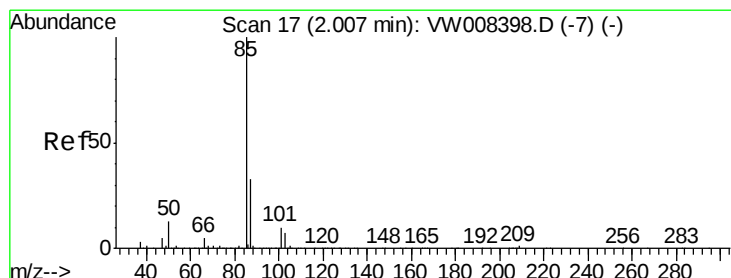
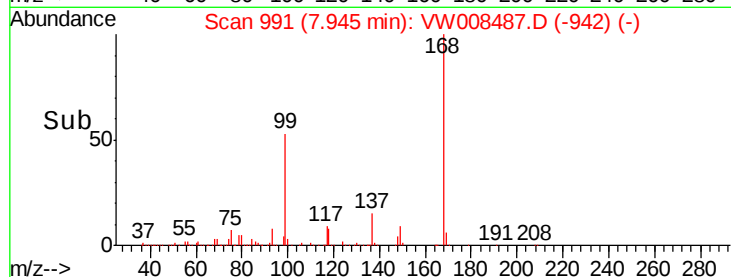
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.435 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008487.D

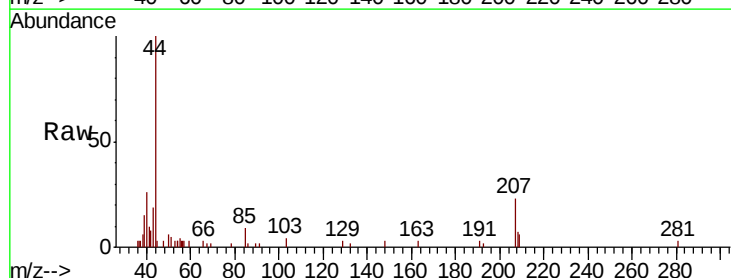
Acq: 01 Feb 2019 17:44

Tgt Ion: 85 Resp: 425

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

300

250

200

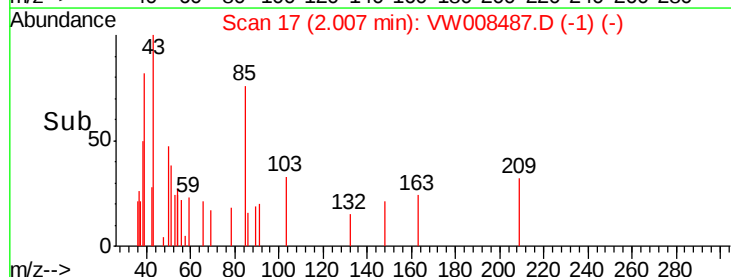
150

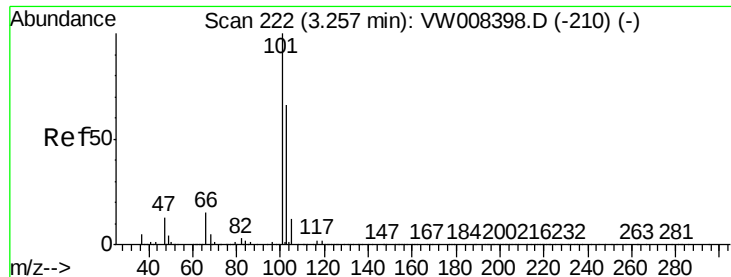
100

50

0

Time--> 1.95 2.00 2.05



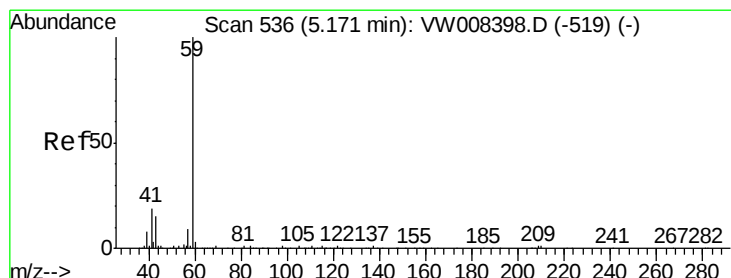
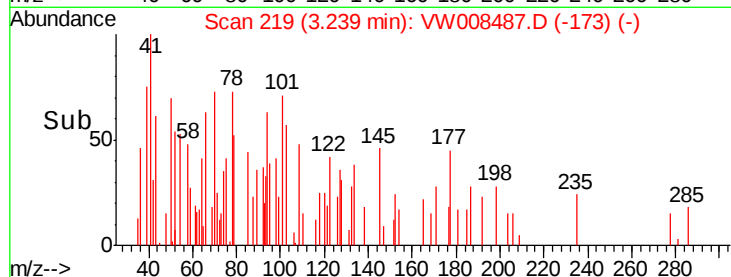
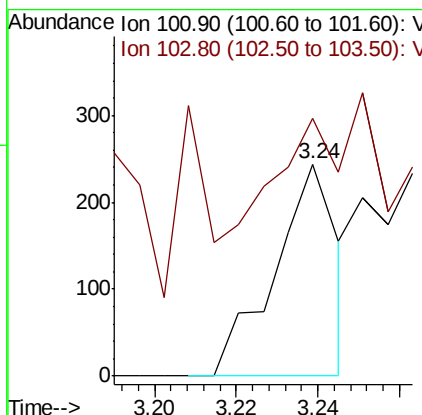
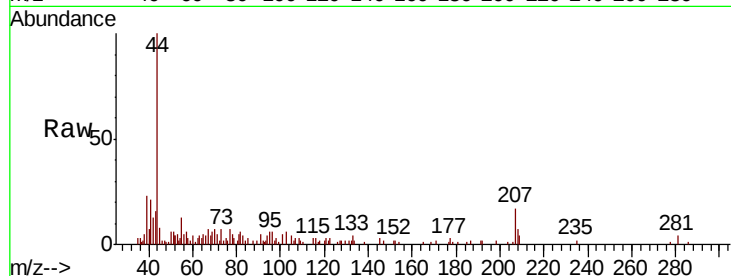


#7

Trichlorofluoromethane
Concen: 4.794 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.02 min
Lab File: VW008487.D
Acq: 01 Feb 2019 17:44

Instrument :
MSVOA_W
ClientSampled :
WC-1

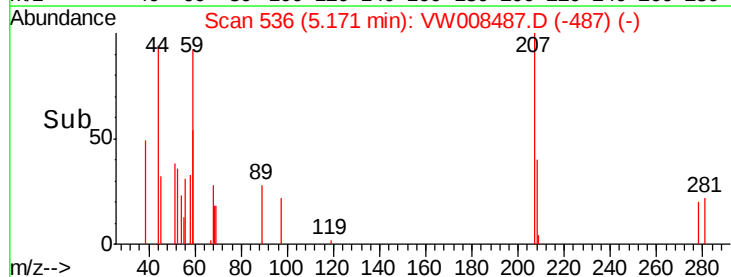
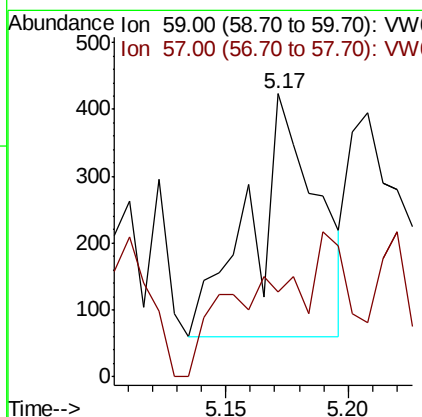
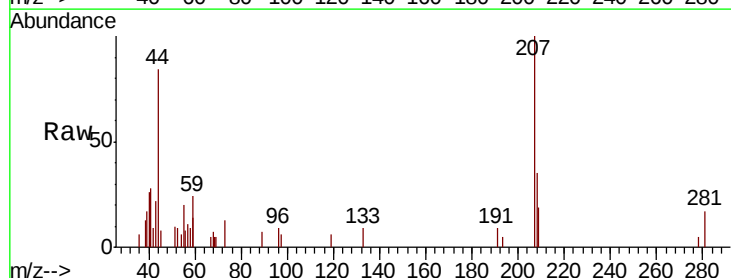
Tgt Ion: 101 Resp: 260
Ion Ratio Lower Upper
101 100
103 25.4 52.5 78.7#

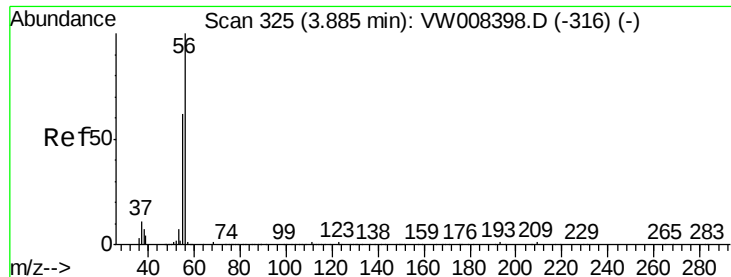


#11

Tert butyl alcohol
Concen: 2.248 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008487.D
Acq: 01 Feb 2019 17:44

Tgt Ion: 59 Resp: 670
Ion Ratio Lower Upper
59 100
57 38.8 9.3 13.9#





#13

Acrolein

Concen: 5.180 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008487.D

Acq: 01 Feb 2019 17:44

Instrument :

MSVOA_W

ClientSampled :

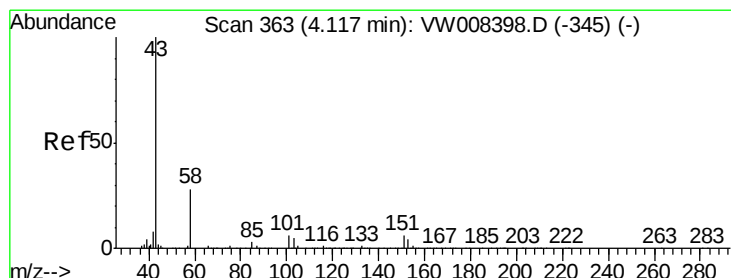
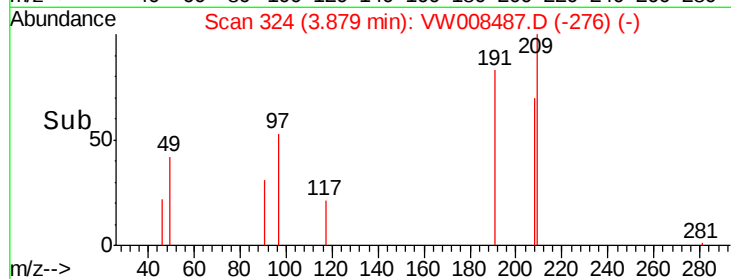
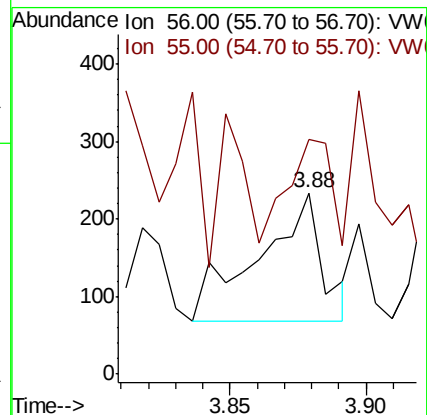
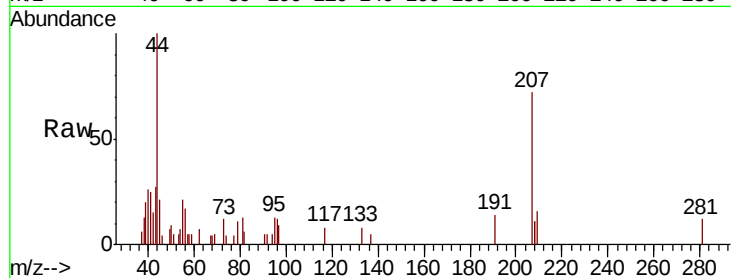
WC-1

Tgt Ion: 56 Resp: 266

Ion Ratio Lower Upper

56 100

55 56.4 56.7 85.1#



#16

Acetone

Concen: 38.548 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008487.D

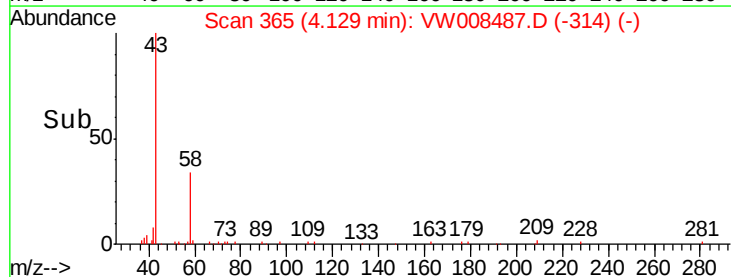
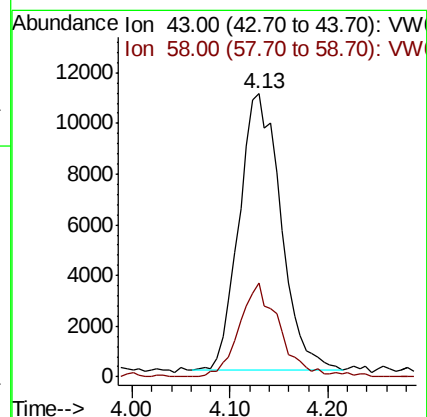
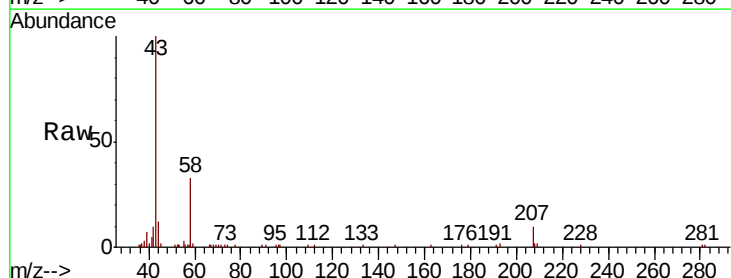
Acq: 01 Feb 2019 17:44

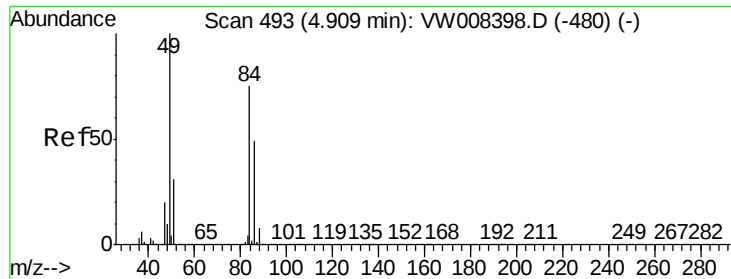
Tgt Ion: 43 Resp: 32042

Ion Ratio Lower Upper

43 100

58 34.0 22.6 34.0#

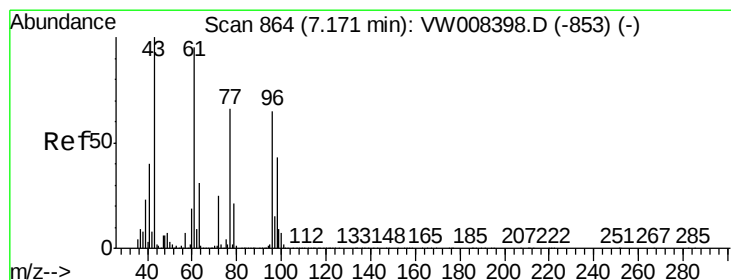
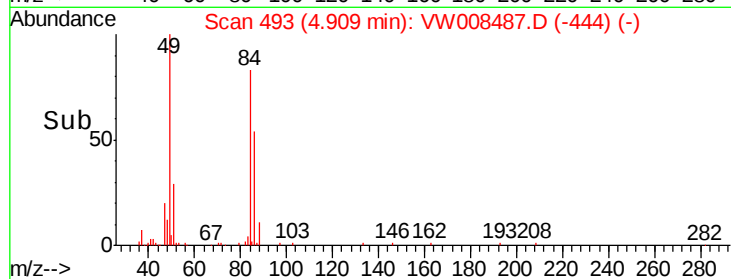
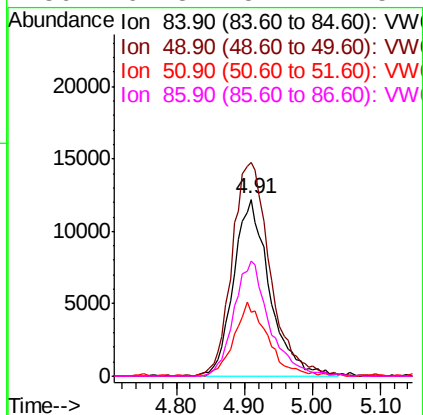
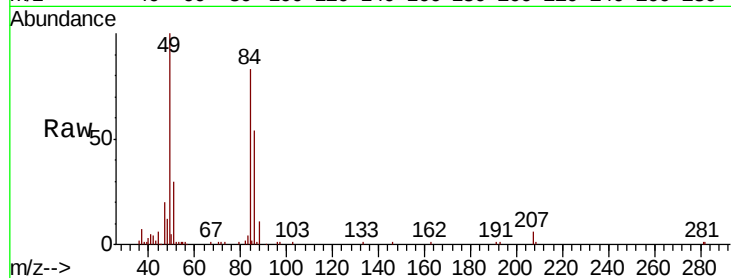




#20
Methylene Chloride
Concen: 11.758 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008487.D
Acq: 01 Feb 2019 17:44

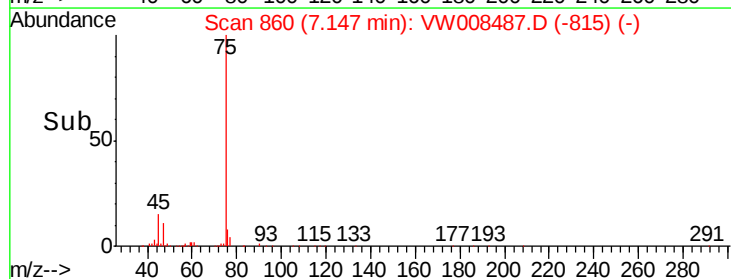
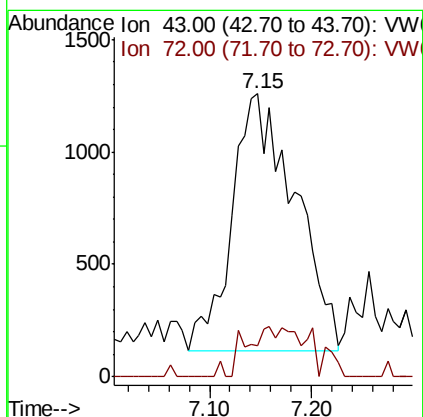
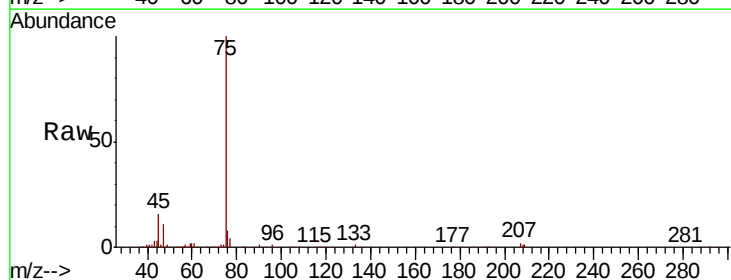
Instrument :
MSVOA_W
ClientSampled :
WC-1

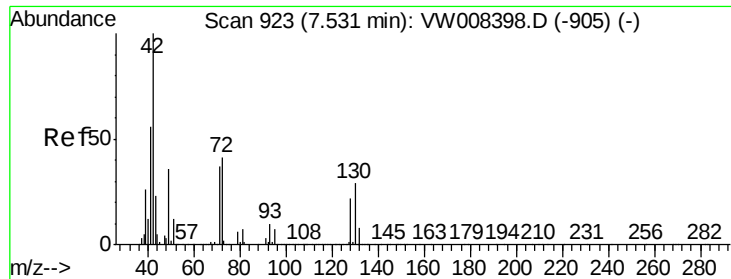
Tgt Ion:	84	Resp:	45045
Ion	Ratio	Lower	Upper
84	100		
49	119.8	106.8	160.2
51	36.0	32.9	49.3
86	64.8	52.2	78.2



#25
2-Butanone
Concen: 4.229 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008487.D
Acq: 01 Feb 2019 17:44

Tgt Ion:	43	Resp:	4882
Ion	Ratio	Lower	Upper
43	100		
72	11.9	20.1	30.1#

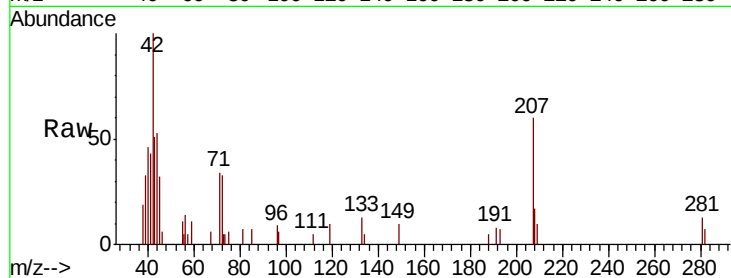




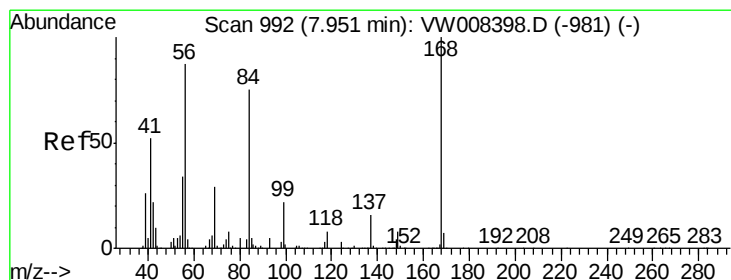
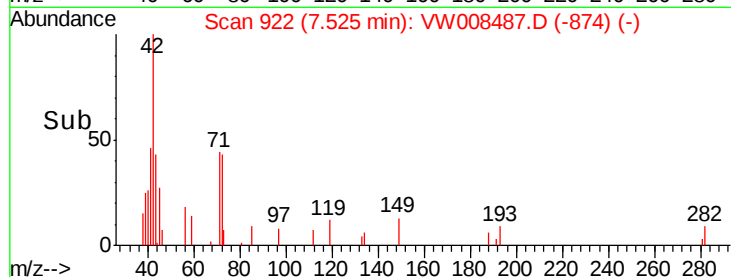
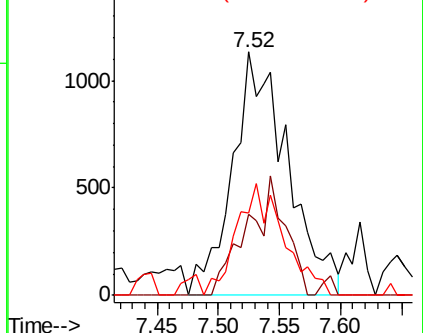
#29
Tetrahydrofuran
Concen: 4.858 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008487.D
Acq: 01 Feb 2019 17:44

Instrument :
MSVOA_W
ClientSampleId :
WC-1

Tgt Ion: 42 Resp: 3554
Ion Ratio Lower Upper
42 100
72 34.5 31.9 47.9
71 38.9 29.9 44.9

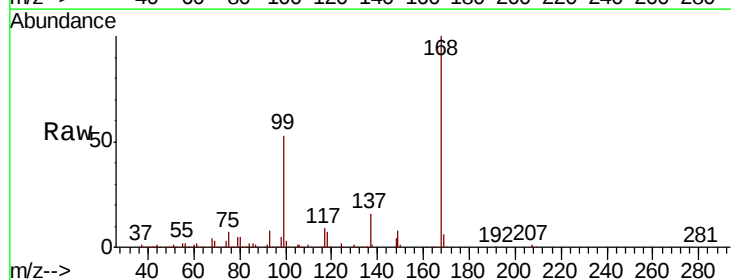


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

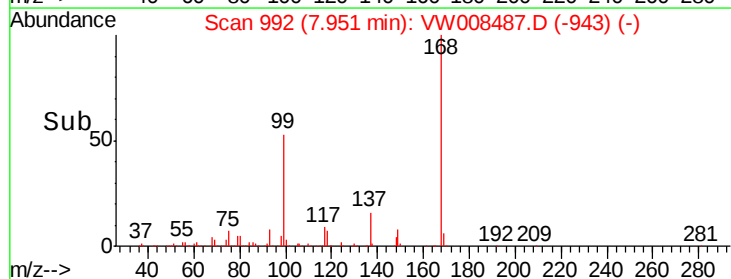
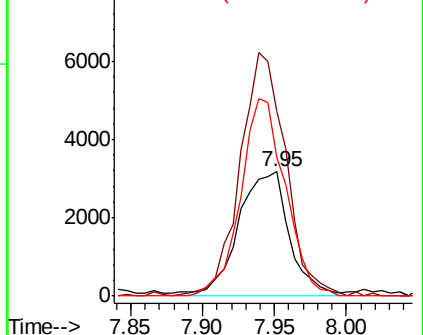


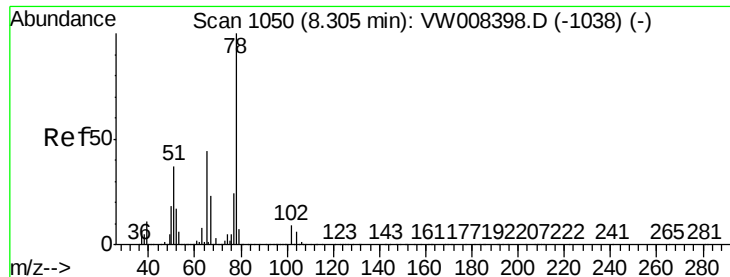
#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008487.D
Acq: 01 Feb 2019 17:44

Tgt Ion: 56 Resp: 7717
Ion Ratio Lower Upper
56 100
69 149.8 26.4 39.6#
84 114.1 69.1 103.7#



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

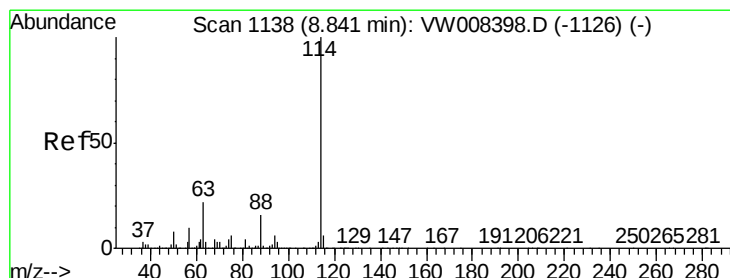
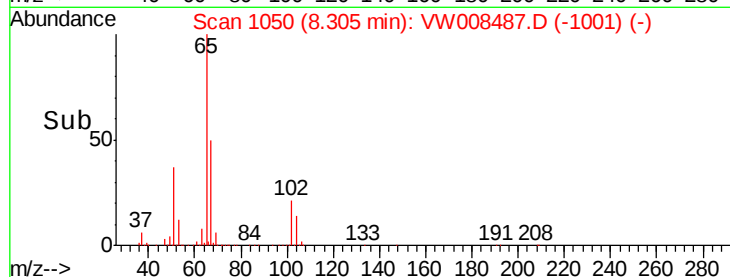
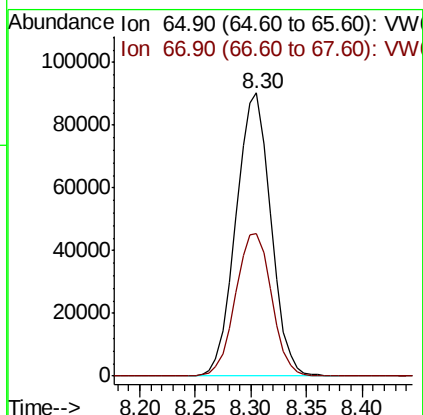
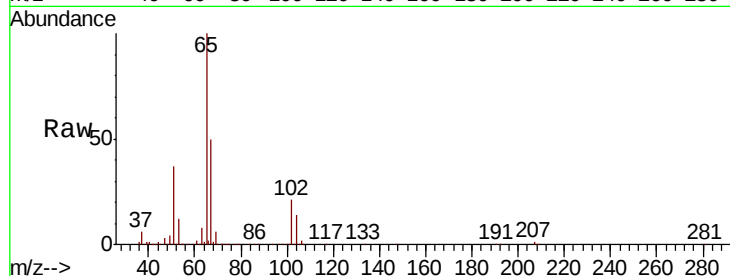




#33
 1,2-Dichloroethane-d4
 Concen: 53.098 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008487.D
 Acq: 01 Feb 2019 17:44

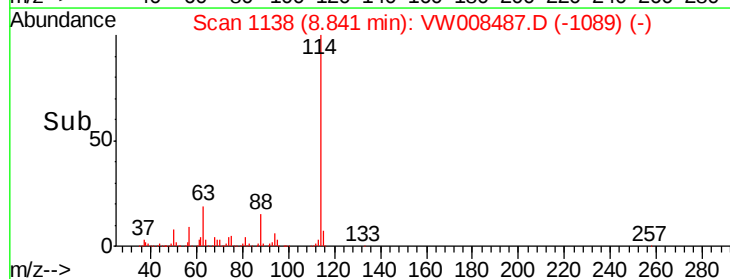
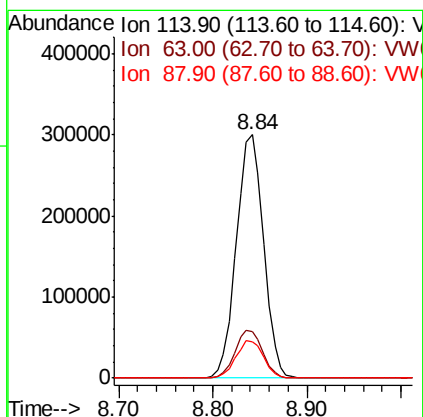
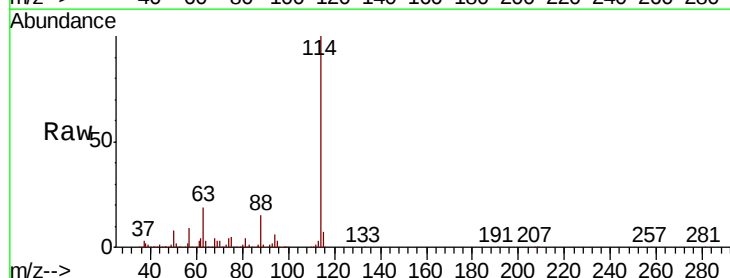
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 WC-1

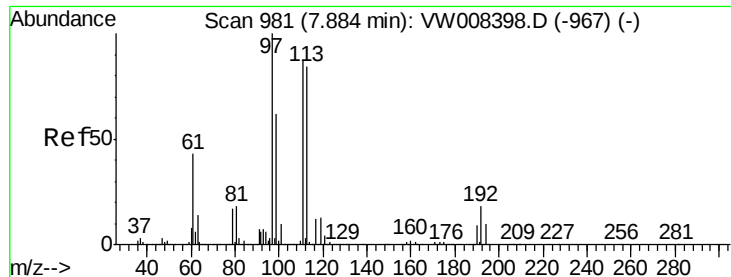
Tgt Ion: 65 Resp: 196541
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008487.D
 Acq: 01 Feb 2019 17:44

Tgt Ion: 114 Resp: 600626
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.6
 88 15.1 0.0 31.8

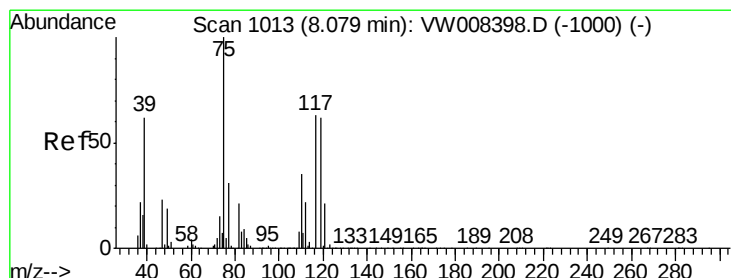
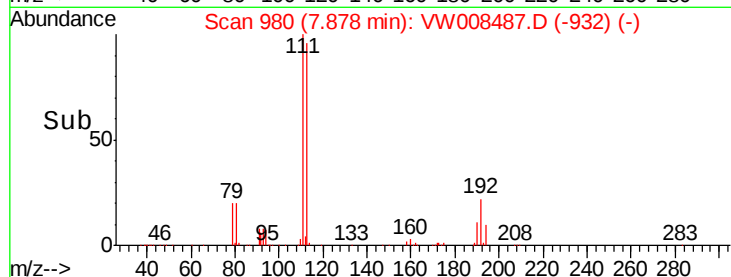
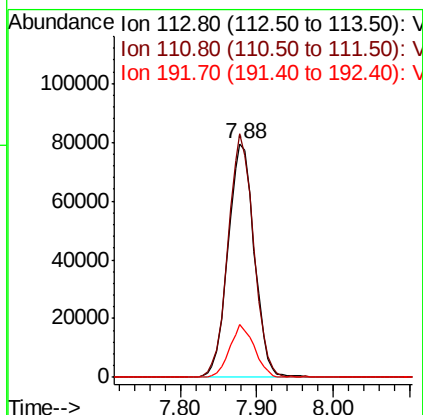
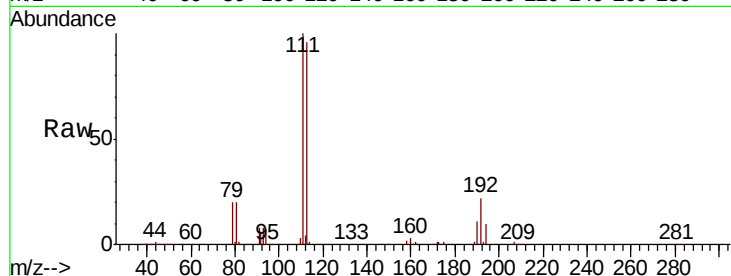




#35
 Dibromofluoromethane
 Concen: 53.412 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008487.D
 Acq: 01 Feb 2019 17:44

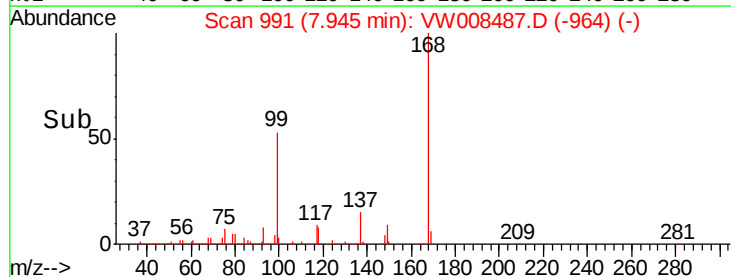
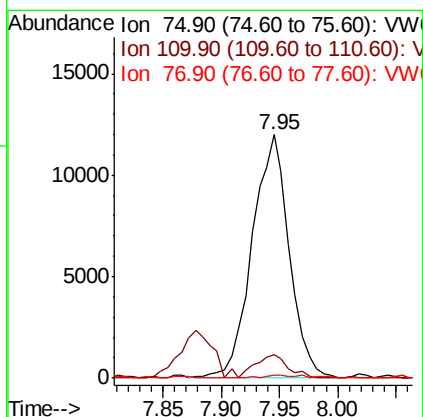
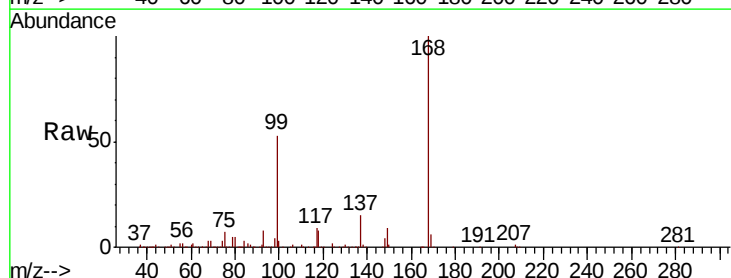
Instrument :
 MSVOA_W
 ClientSampled :
 WC-1

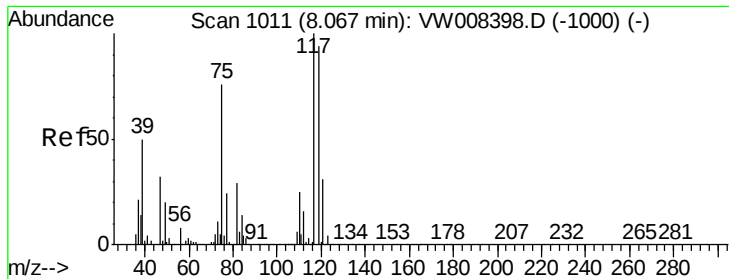
Tgt Ion: 113 Resp: 187588
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.0 121.4
 192 21.5 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.669 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008487.D
 Acq: 01 Feb 2019 17:44

Tgt Ion: 75 Resp: 26488
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.3 52.0#
 77 1.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.178 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008487.D

Acq: 01 Feb 2019 17:44

Instrument :

MSVOA_W

ClientSampled :

WC-1

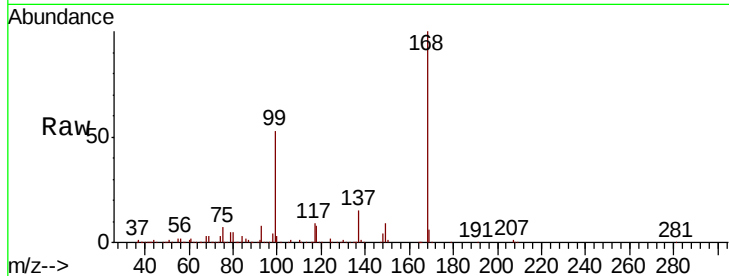
Tgt Ion: 117 Resp: 35274

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.4#

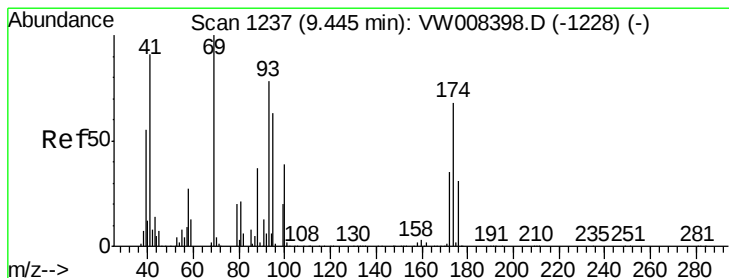
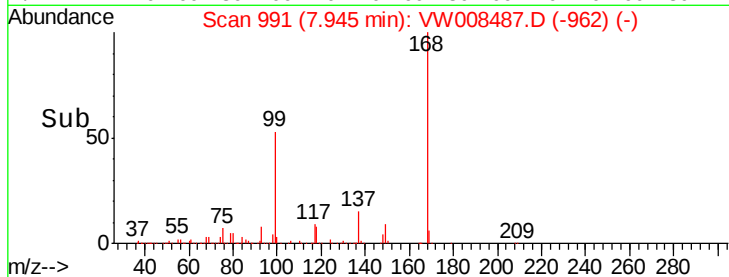
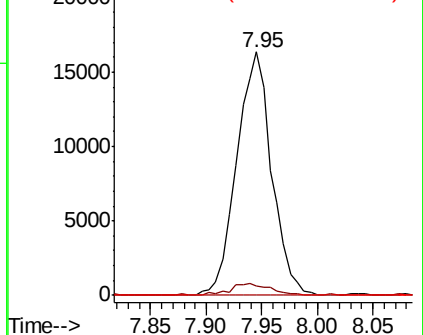
121 0.0 24.9 37.3#



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: 1.319 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008487.D

Acq: 01 Feb 2019 17:44

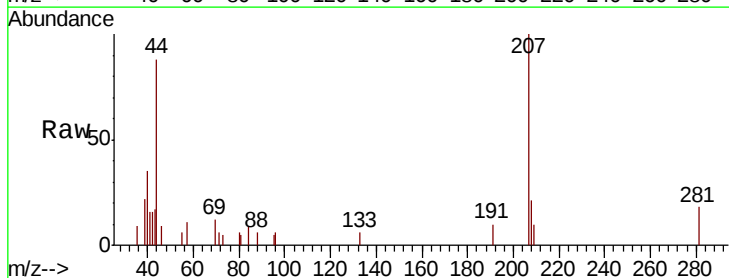
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 351.1 29.0 43.4#

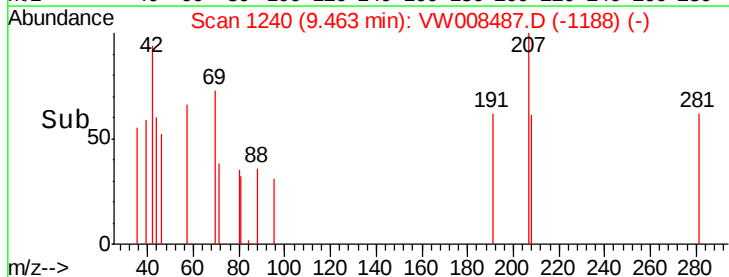
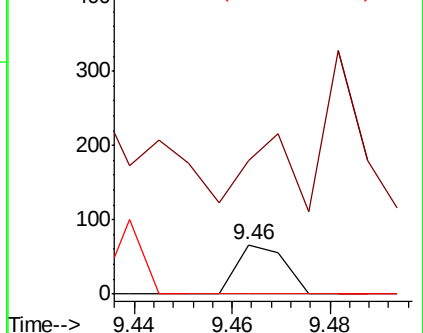
58 0.0 56.4 84.6#

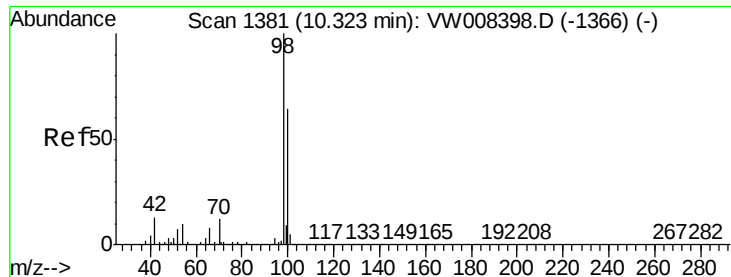


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 50.318 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008487.D

Acq: 01 Feb 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

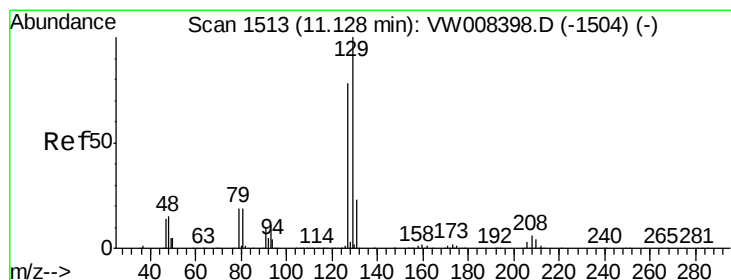
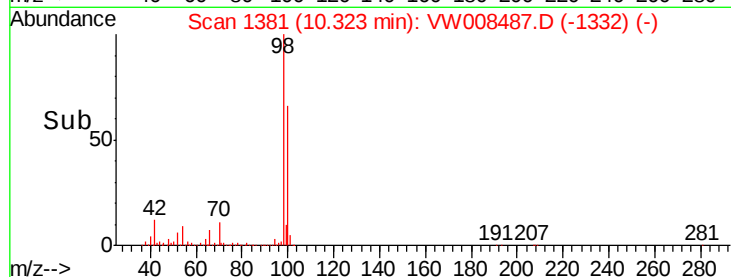
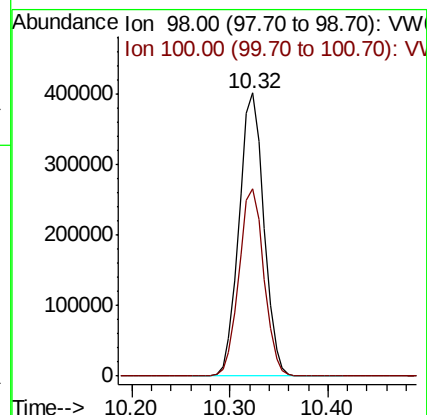
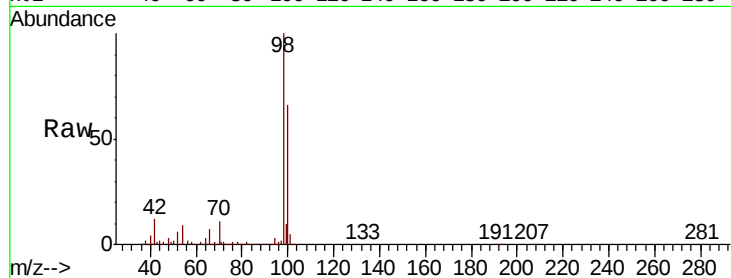
WC-1

Tgt Ion: 98 Resp: 708653

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8



#60

Dibromochloromethane

Concen: 3.606 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW008487.D

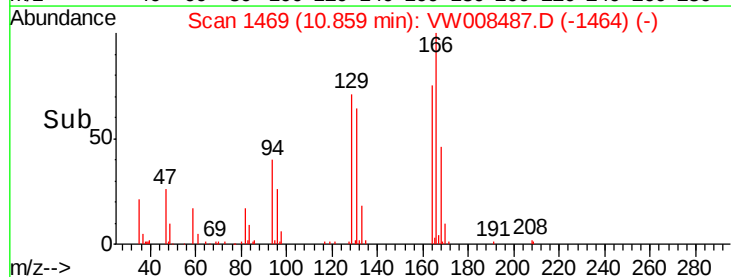
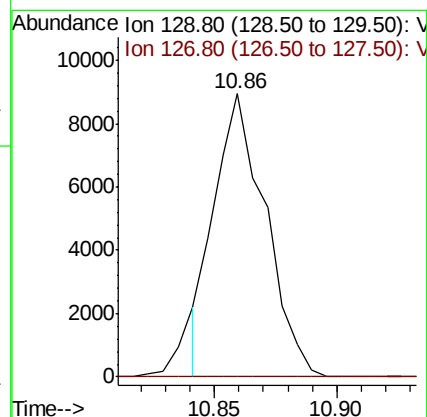
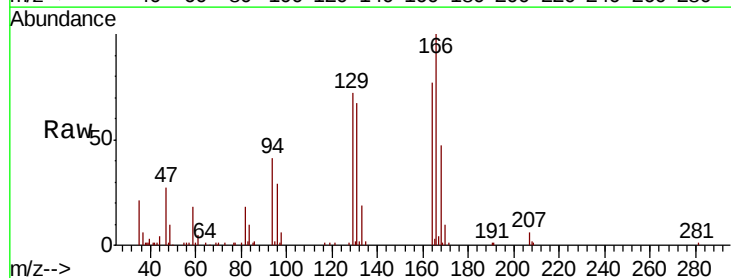
Acq: 01 Feb 2019 17:44

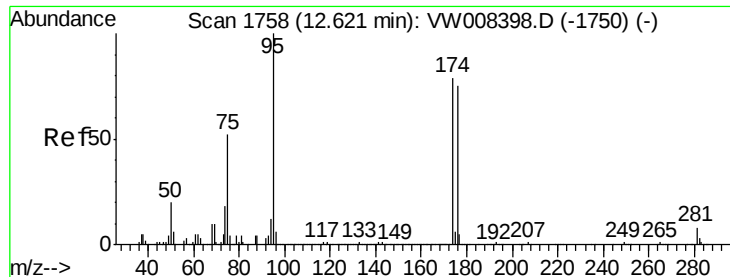
Tgt Ion: 129 Resp: 12976

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#

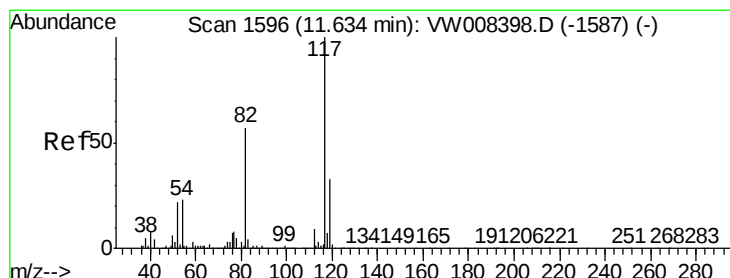
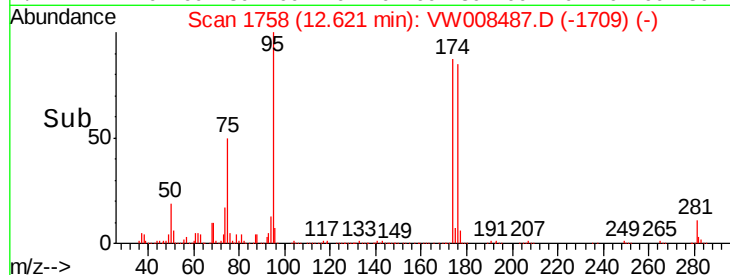
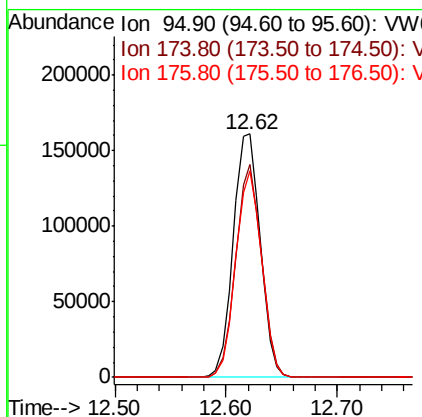
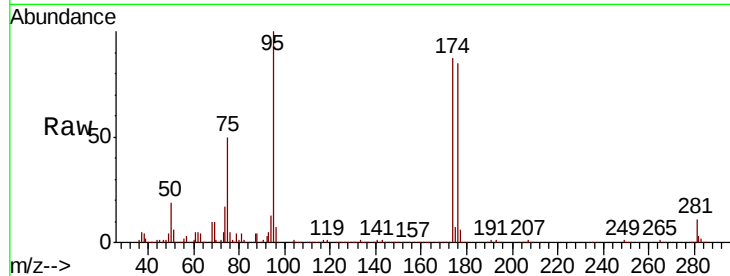




#62
4-Bromofluorobenzene
Concen: 50.027 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008487.D
Acq: 01 Feb 2019 17:44

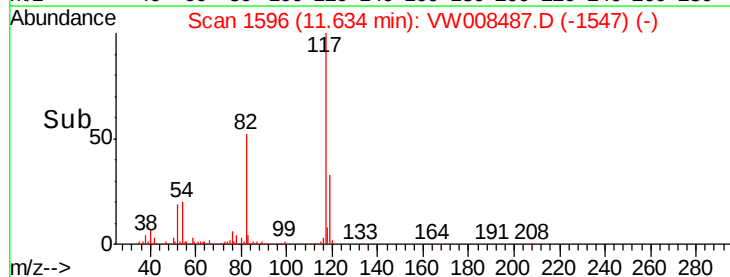
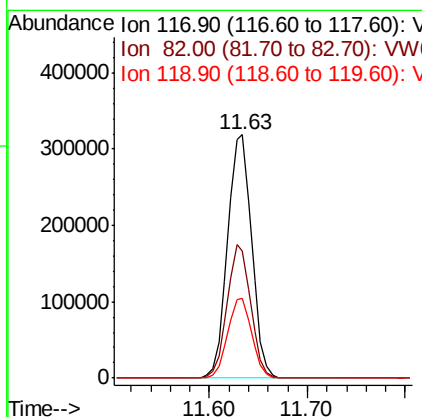
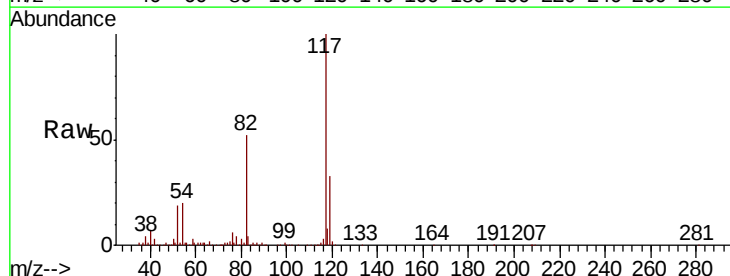
Instrument :
MSVOA_W
ClientSampleId :
WC-1

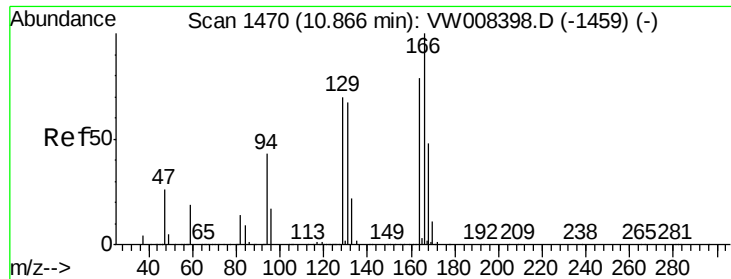
Tgt Ion: 95 Resp: 270818
Ion Ratio Lower Upper
95 100
174 83.1 0.0 157.6
176 81.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008487.D
Acq: 01 Feb 2019 17:44

Tgt Ion: 117 Resp: 543995
Ion Ratio Lower Upper
117 100
82 52.5 45.4 68.0
119 33.0 26.2 39.4





#64

Tetrachloroethene

Concen: 4.160 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW008487.D

Acq: 01 Feb 2019 17:44

Instrument :

MSVOA_W

ClientSampled :

WC-1

Tgt Ion:164 Resp: 15322

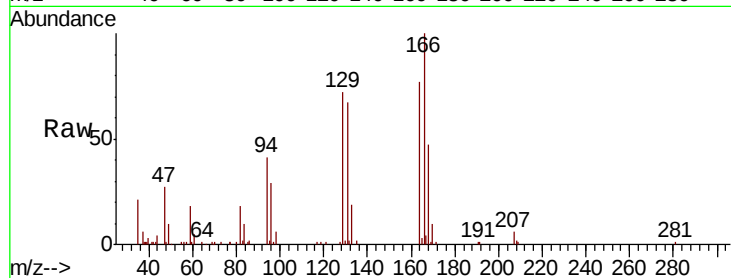
Ion Ratio Lower Upper

164 100

166 130.6 101.4 152.0

129 94.6 71.0 106.6

131 87.6 68.3 102.5

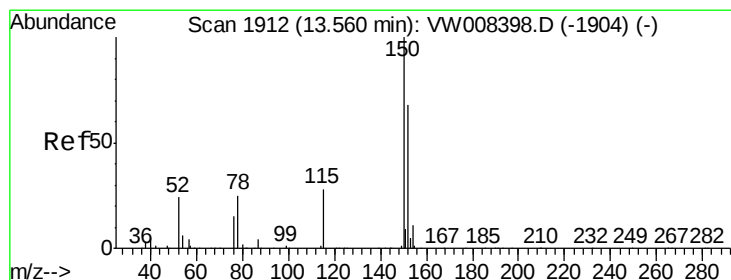
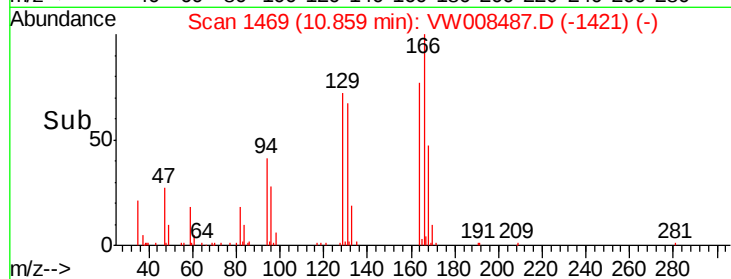
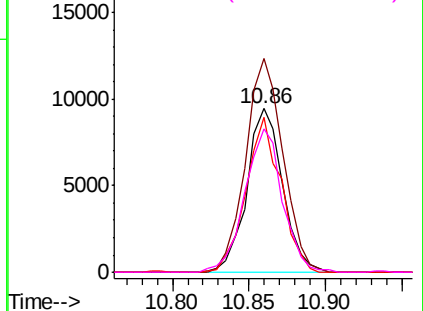


Abundance Ion 163.80 (163.50 to 164.50): V

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: VW008487.D

Acq: 01 Feb 2019 17:44

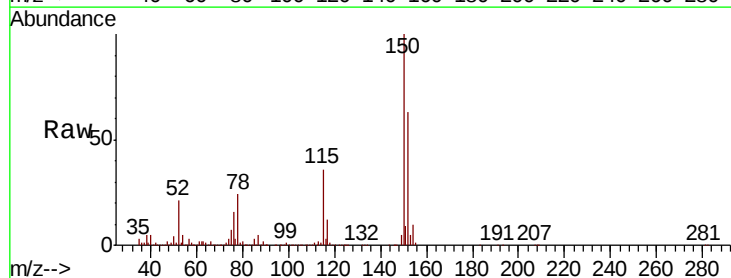
Tgt Ion:152 Resp: 279076

Ion Ratio Lower Upper

152 100

115 57.0 29.9 89.7

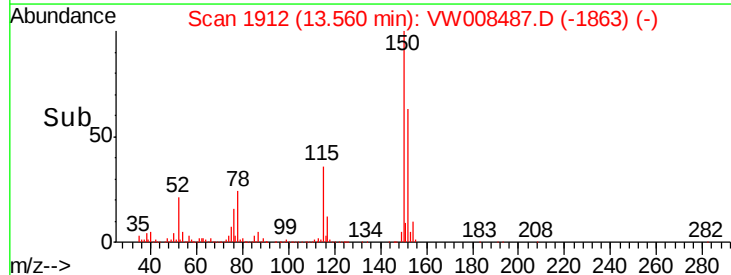
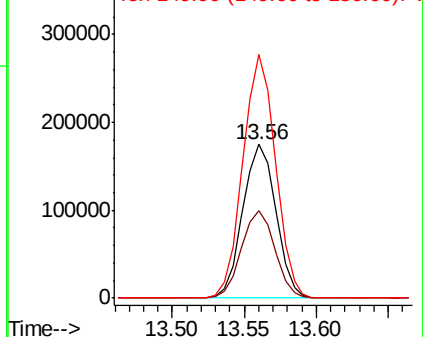
150 155.5 0.0 351.4

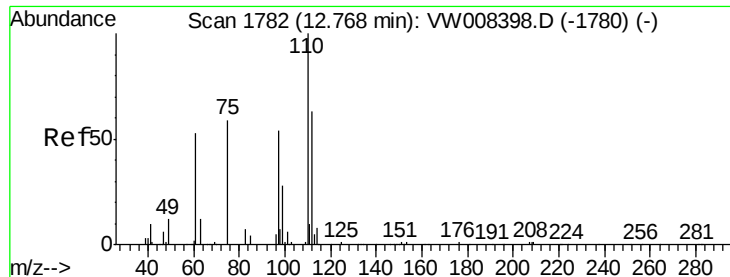


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 54.812 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008487.D

Acq: 01 Feb 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

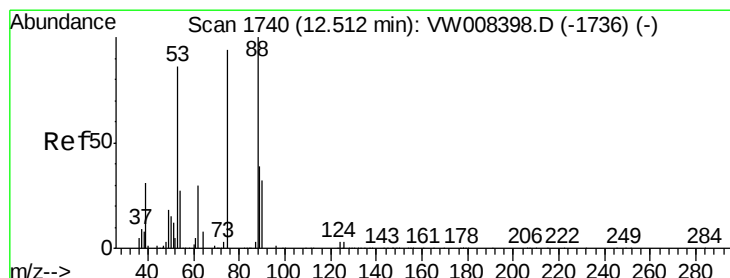
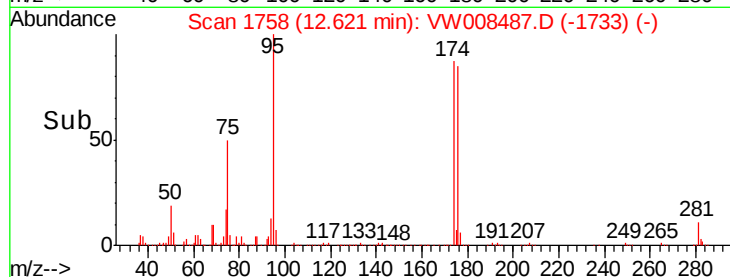
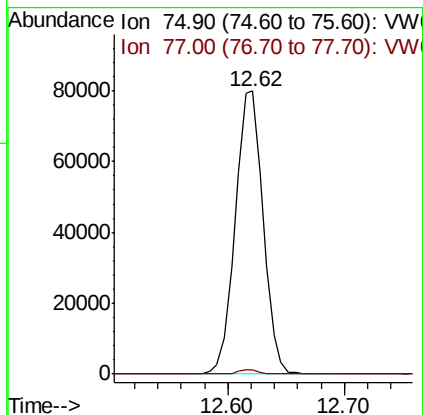
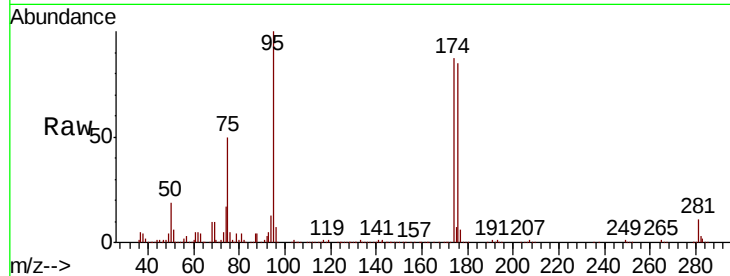
WC-1

Tgt Ion: 75 Resp: 132995

Ion Ratio Lower Upper

75 100

77 1.4 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.259 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008487.D

Acq: 01 Feb 2019 17:44

Tgt Ion: 75 Resp: 132995

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.1 35.4 53.0#

