

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008826.D
 Acq On : 26 Feb 2019 13:17
 Operator : SY/VA
 Sample : K1613-04RE
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 L-1ARE

Quant Time: Feb 27 05:57:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	349626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	547499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	487833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229160	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	204028	62.22	ug/l	0.00
Spiked Amount			Recovery	=	124.44%	
35) Dibromofluoromethane	7.88	113	168149	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	10.32	98	650072	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	225165	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	

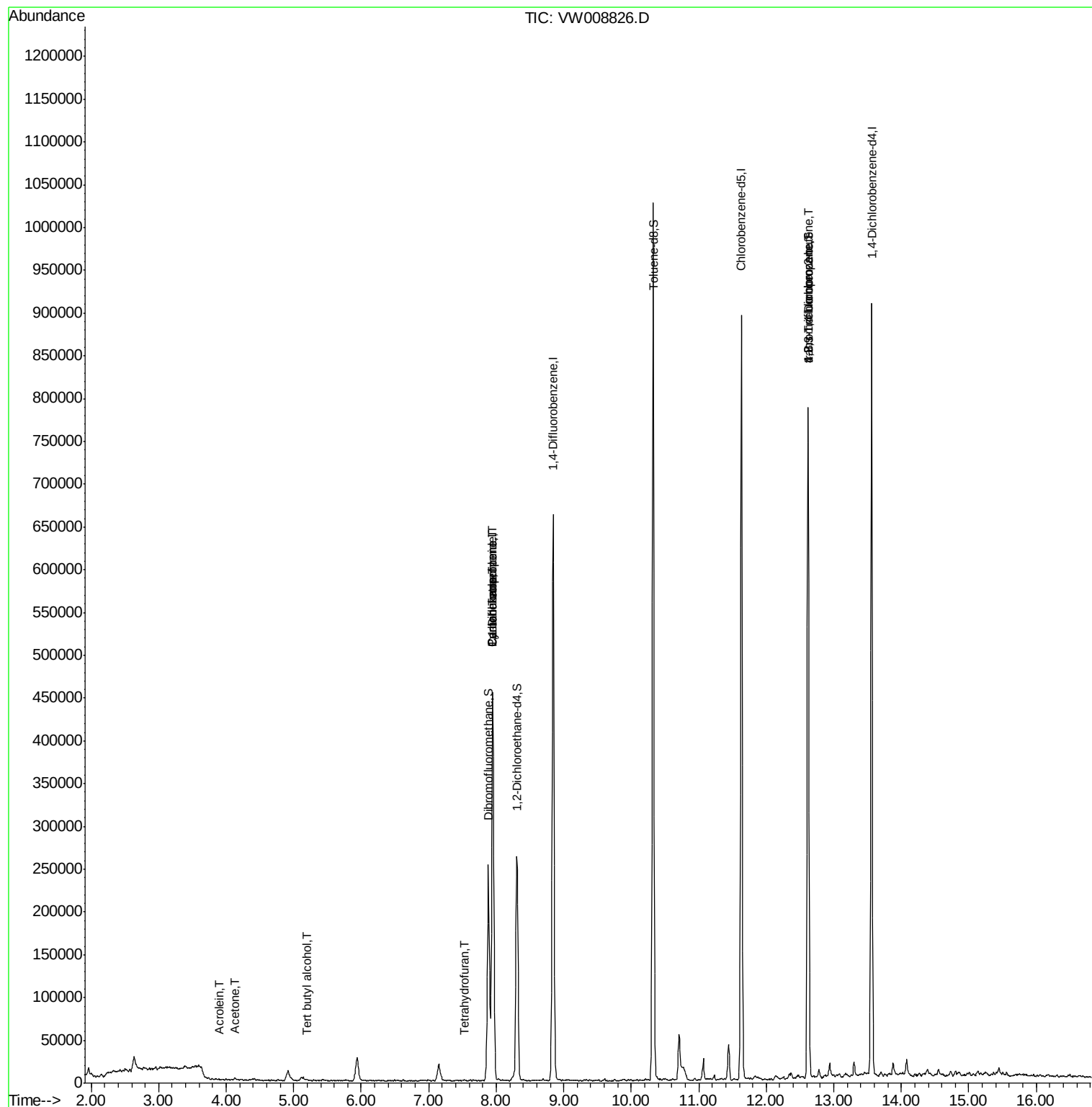
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	642	2.199	ug/l #	70
13) Acrolein	3.90	56	447	21.117	ug/l #	40
16) Acetone	4.12	43	4895	6.440	ug/l	96
20) Methylene Chloride	4.92	84	7559	Below Cal		98
29) Tetrahydrofuran	7.52	42	945	1.395	ug/l #	44
31) Cyclohexane	7.95	56	7935	1.284	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	26347	4.944	ug/l #	49
38) Carbon Tetrachloride	7.95	117	33484	5.957	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	120340	63.604	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	120340	154.626	ug/l #	6

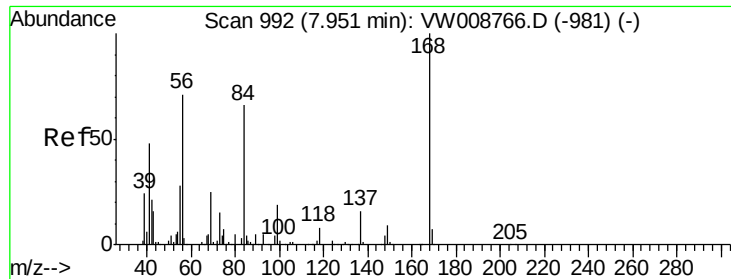
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
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Quant Time: Feb 27 05:57:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008826.D

Acq: 26 Feb 2019 13:17

Instrument :

MSVOA_W

ClientSampled :

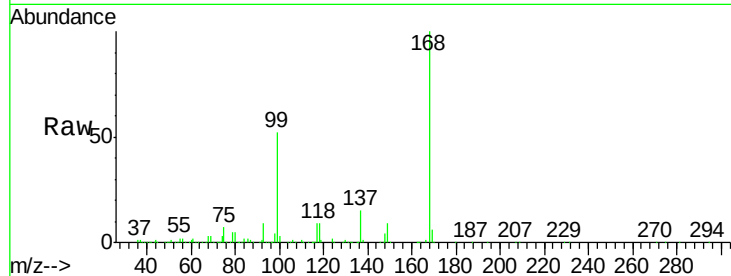
L-1ARE

Tot Ion:168 Resp: 349626

Ion Ratio Lower Upper

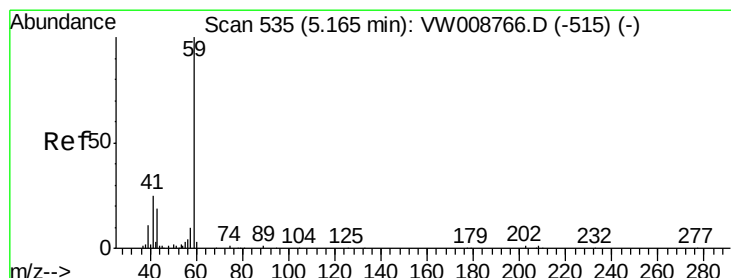
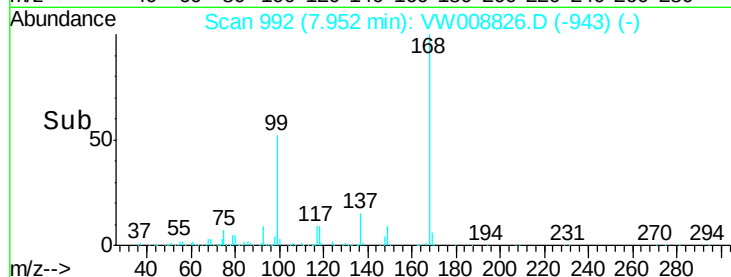
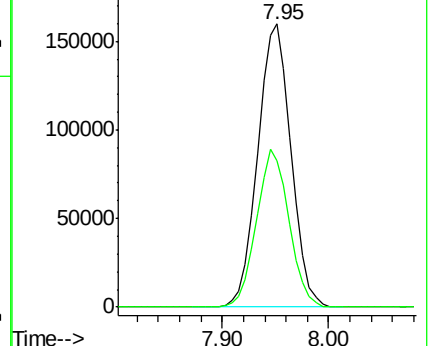
168 100

99 51.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.199 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.03 min

Lab File: VW008826.D

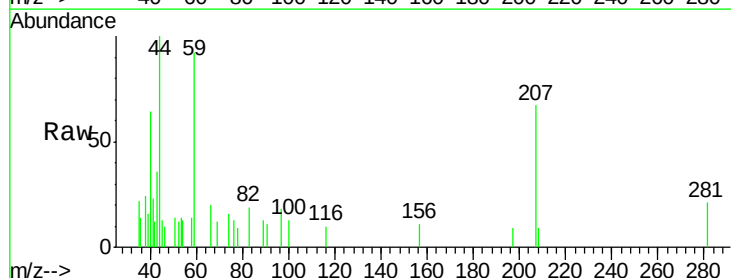
Acq: 26 Feb 2019 13:17

Tgt Ion: 59 Resp: 642

Ion Ratio Lower Upper

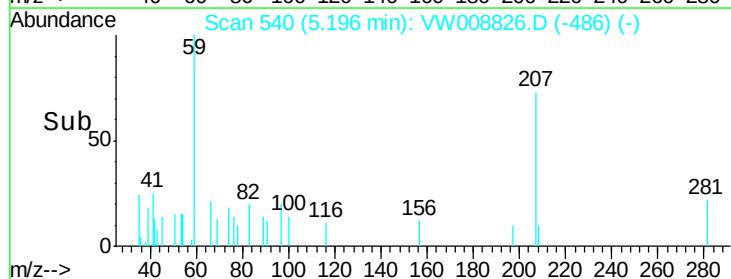
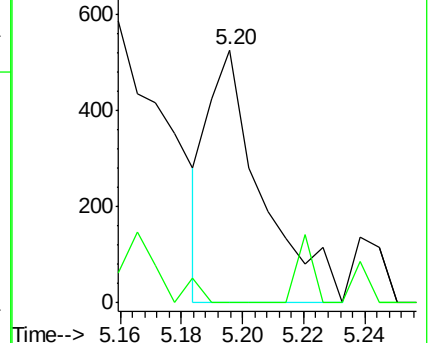
59 100

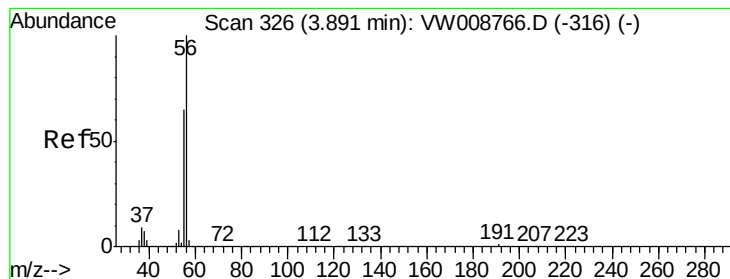
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 21.117 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008826.D

Acq: 26 Feb 2019 13:17

Instrument :

MSVOA_W

ClientSampled :

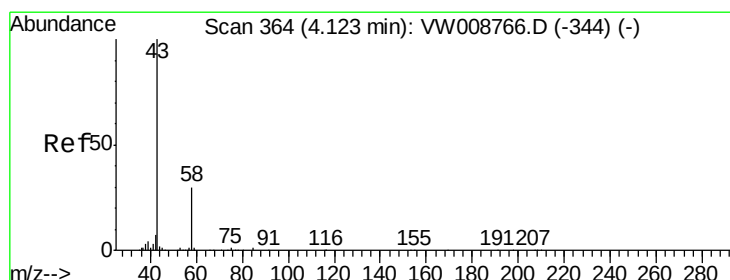
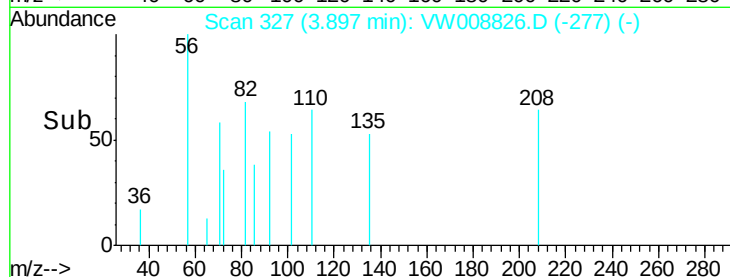
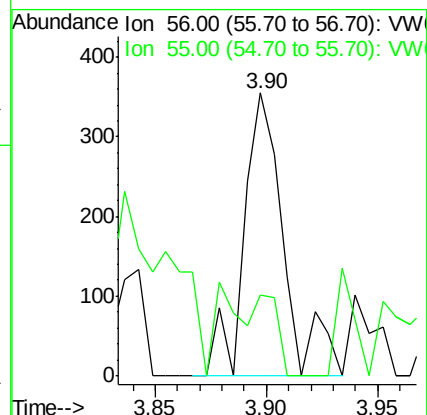
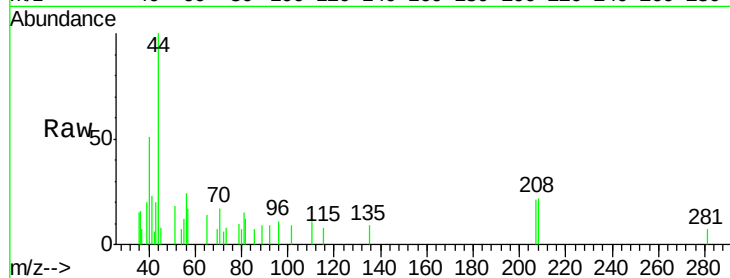
L-1ARE

Tot Ion: 56 Resp: 447

Ion Ratio Lower Upper

56 100

55 21.3 56.9 85.3#



#16

Acetone

Concen: 6.440 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008826.D

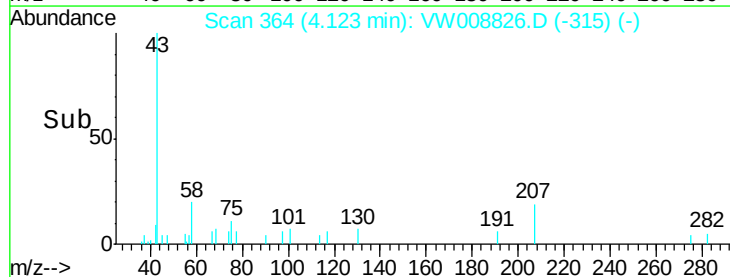
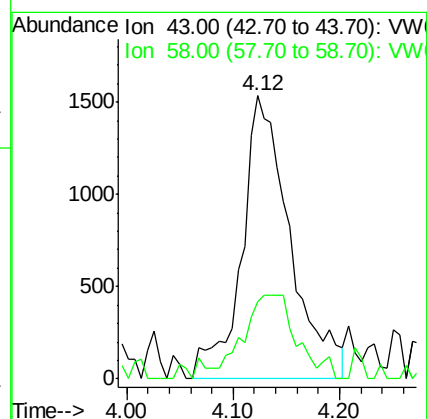
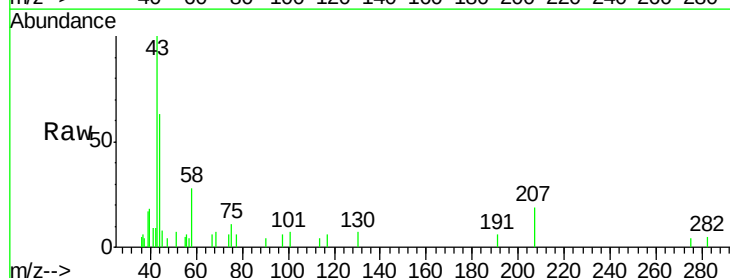
Acq: 26 Feb 2019 13:17

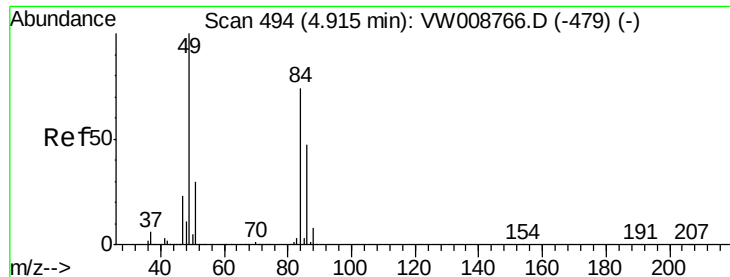
Tgt Ion: 43 Resp: 4895

Ion Ratio Lower Upper

43 100

58 27.5 23.8 35.6

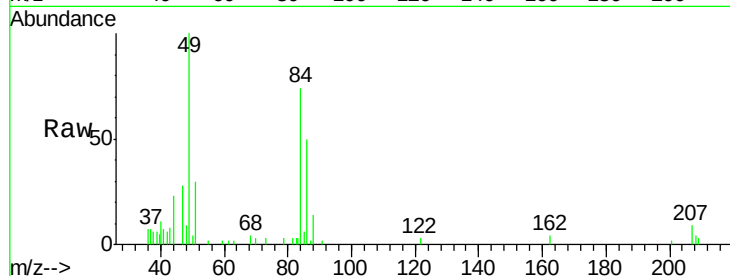




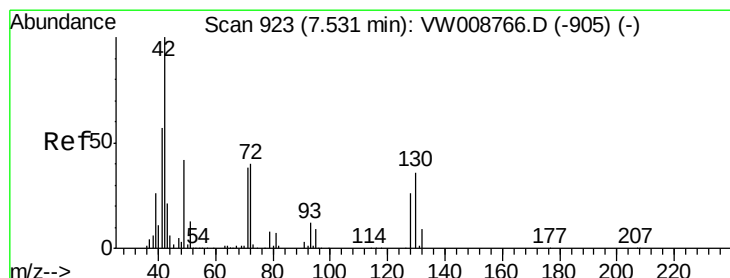
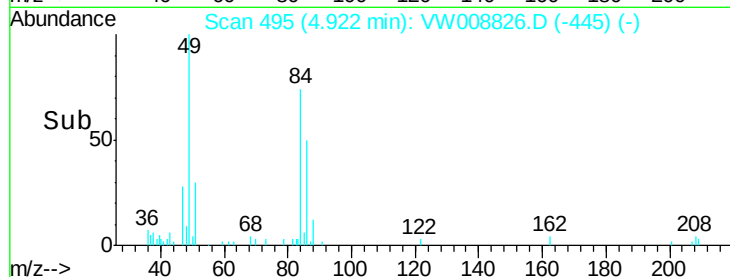
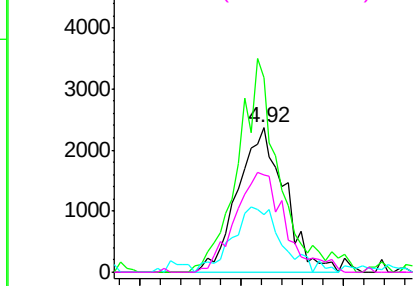
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008826.D
Acq: 26 Feb 2019 13:17

Instrument :
MSVOA_W
ClientSampled :
L-1ARE

Tot Ion:	84	Resp:	7559
Ion	Ratio	Lower	Upper
84	100		
49	134.9	108.2	162.2
51	40.4	32.7	49.1
86	67.3	50.3	75.5

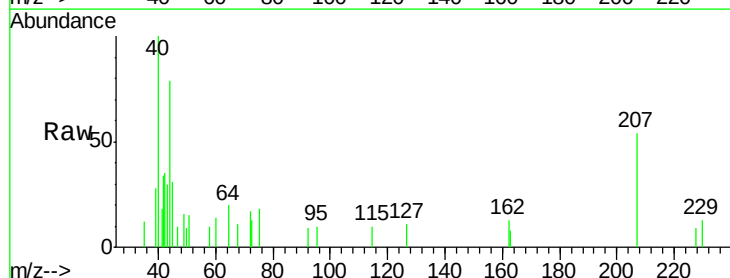


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

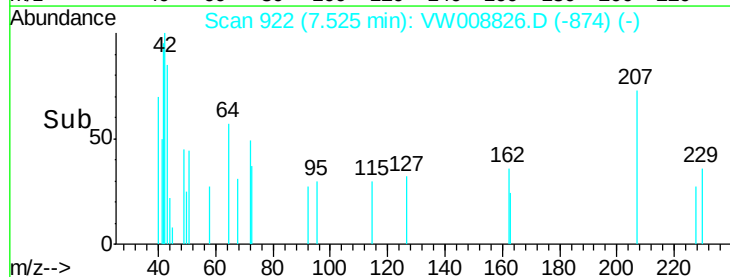
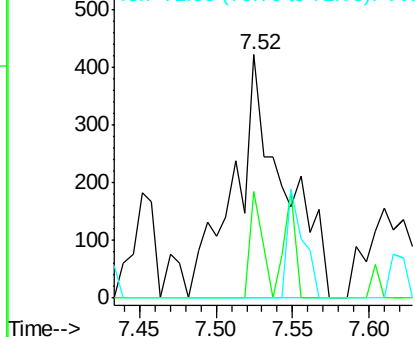


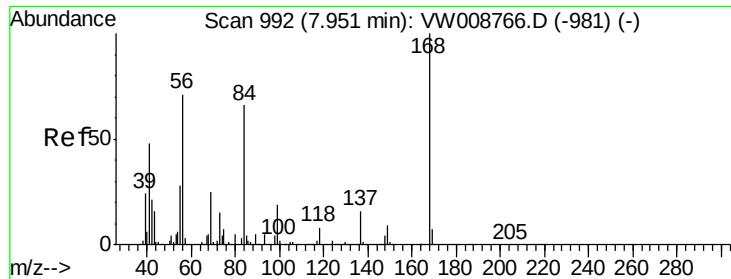
#29
Tetrahydrofuran
Concen: 1.395 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008826.D
Acq: 26 Feb 2019 13:17

Tgt Ion:	42	Resp:	945
Ion	Ratio	Lower	Upper
42	100		
72	10.5	32.7	49.1#
71	0.0	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

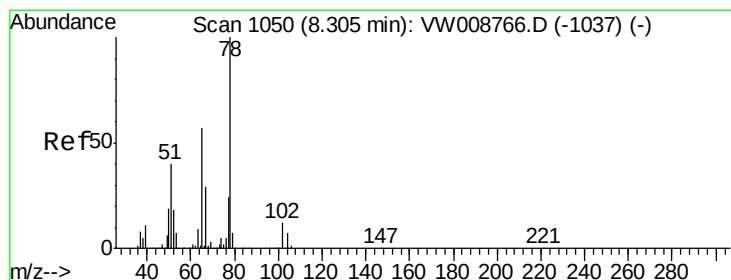
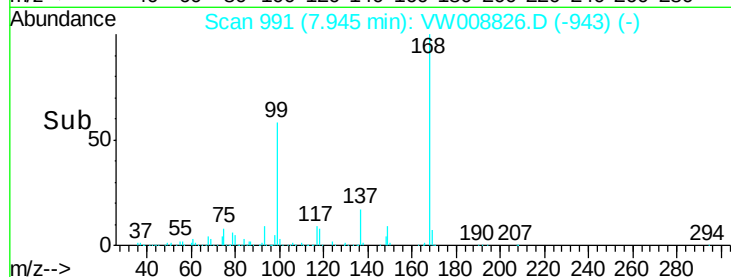
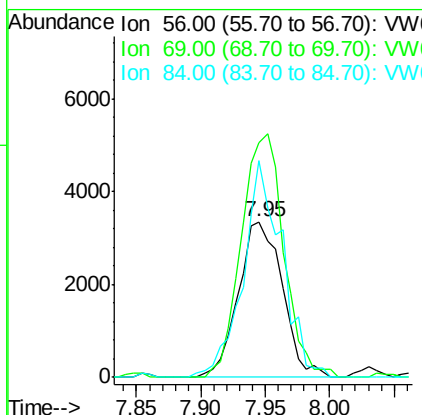
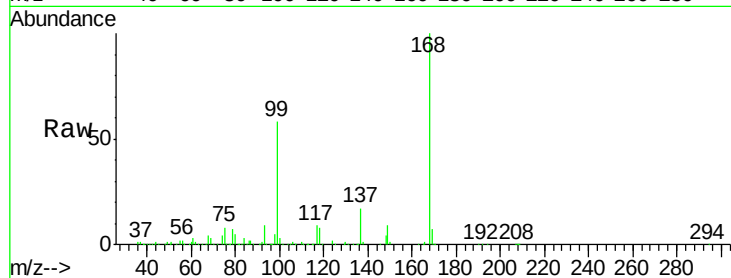




#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008826.D
Acq: 26 Feb 2019 13:17

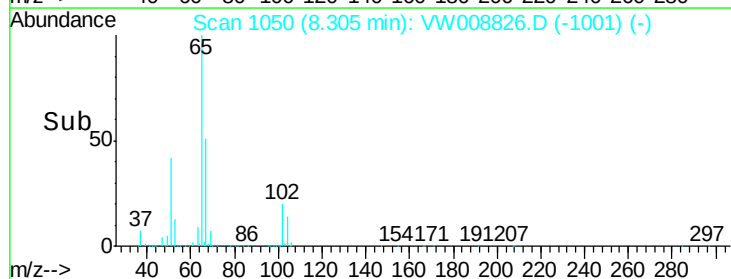
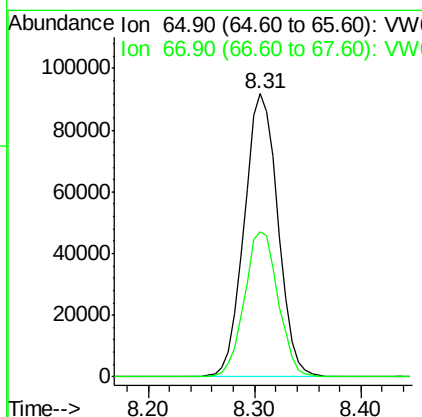
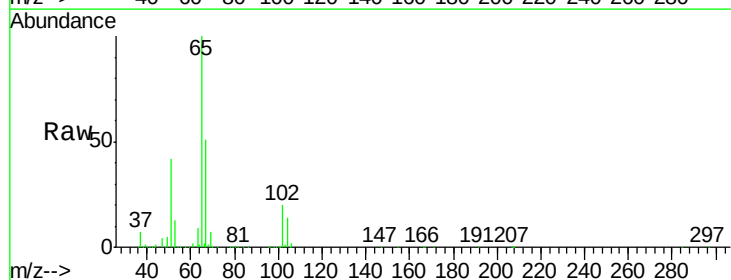
Instrument :
MSVOA_W
ClientSampleId :
L-1ARE

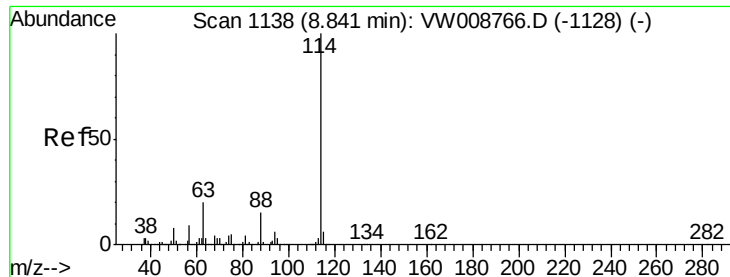
Tot Ion: 56 Resp: 7935
Ion Ratio Lower Upper
56 100
69 151.1 28.2 42.4#
84 139.6 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 62.219 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008826.D
Acq: 26 Feb 2019 13:17

Tgt Ion: 65 Resp: 204028
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008826.D

Acq: 26 Feb 2019 13:17

Instrument :

MSVOA_W

ClientSampleId :

L-1ARE

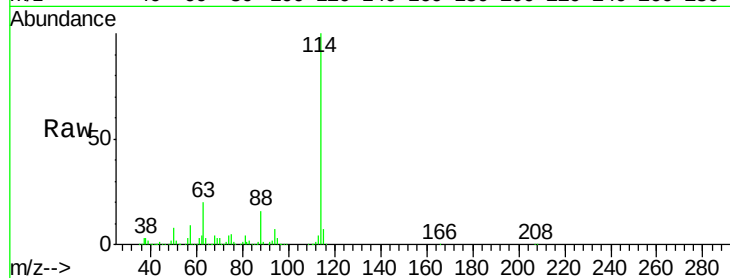
Tot Ion:114 Resp: 547499

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

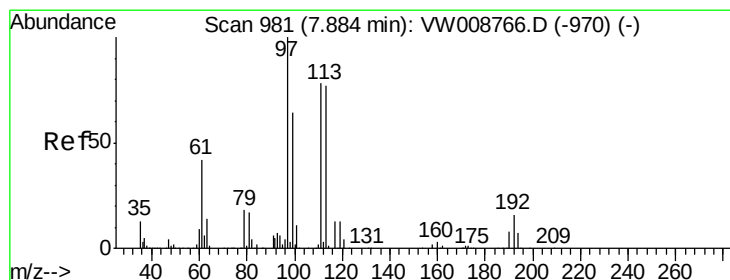
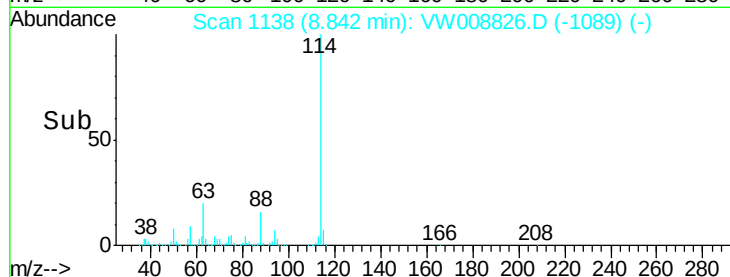
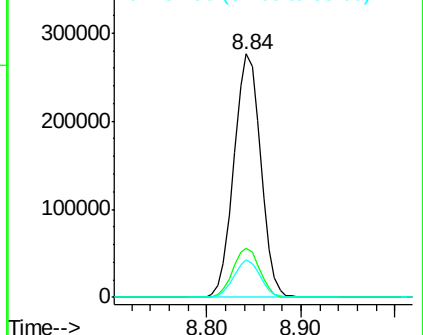
88 15.6 0.0 30.4



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: 51.152 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008826.D

Acq: 26 Feb 2019 13:17

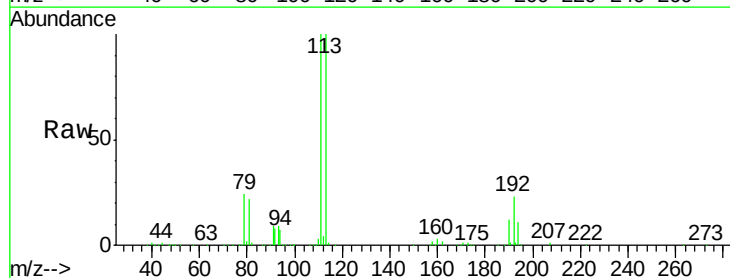
Tgt Ion:113 Resp: 168149

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

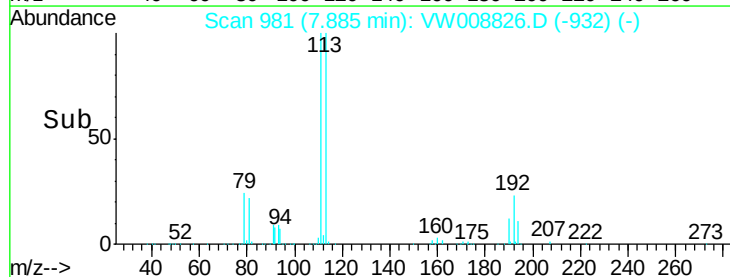
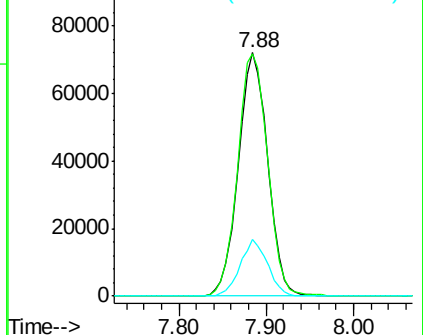
192 21.7 17.1 25.7

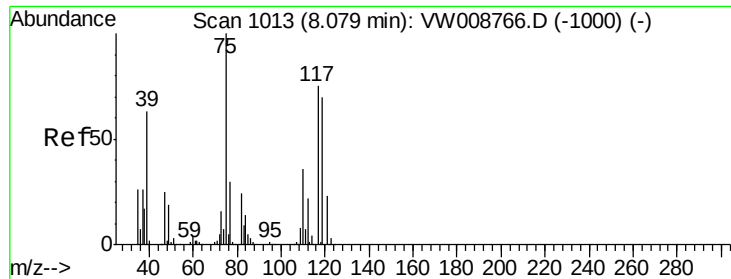


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.944 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008826.D

Acq: 26 Feb 2019 13:17

Instrument :

MSVOA_W

ClientSampled :

L-1ARE

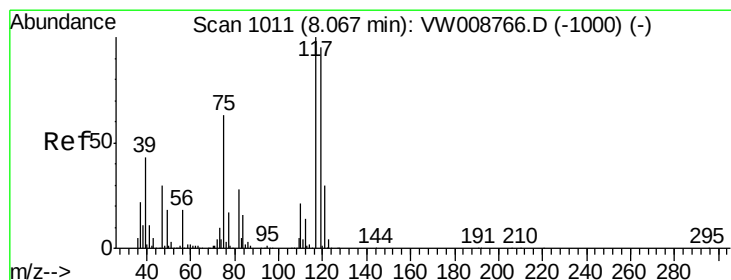
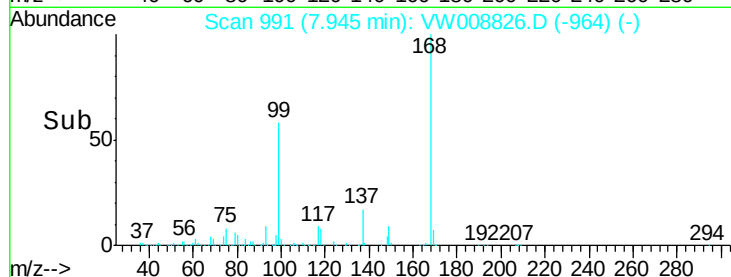
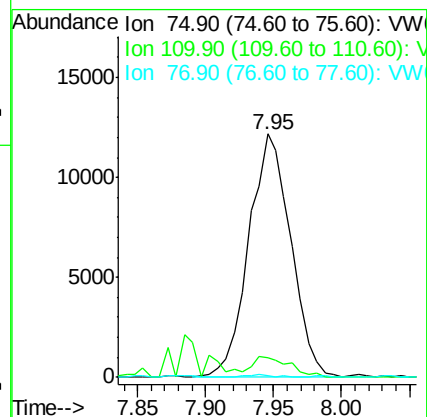
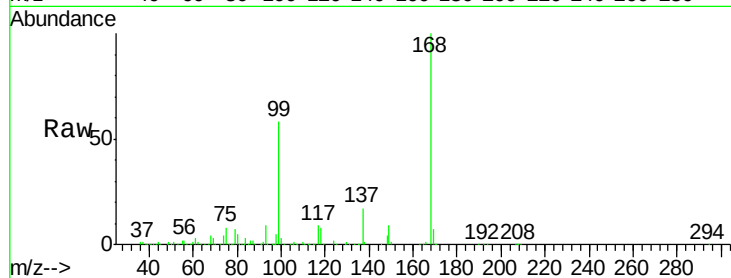
Tot Ion: 75 Resp: 26347

Ion Ratio Lower Upper

75 100

110 7.6 17.5 52.6#

77 0.7 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.957 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008826.D

Acq: 26 Feb 2019 13:17

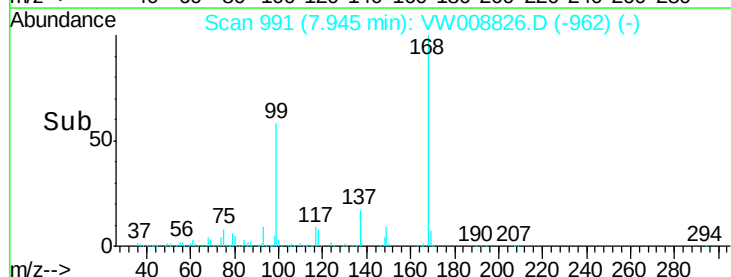
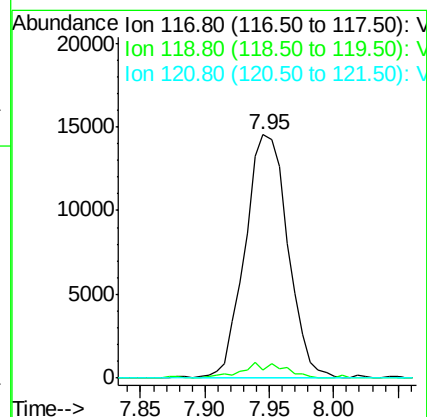
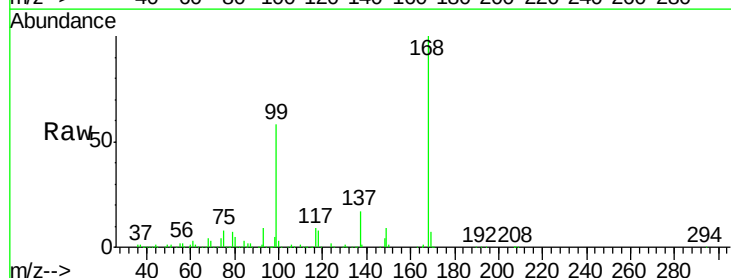
Tgt Ion: 117 Resp: 33484

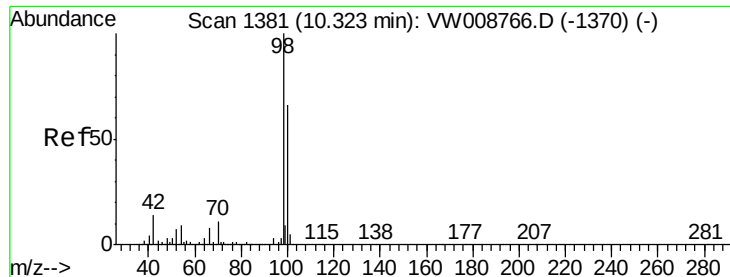
Ion Ratio Lower Upper

117 100

119 3.5 76.1 114.1#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 51.228 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008826.D

Acq: 26 Feb 2019 13:17

Instrument :

MSVOA_W

ClientSampleId :

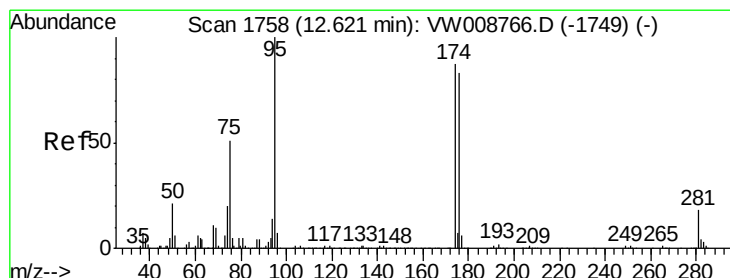
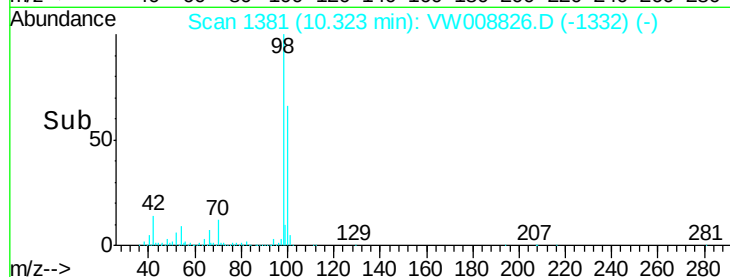
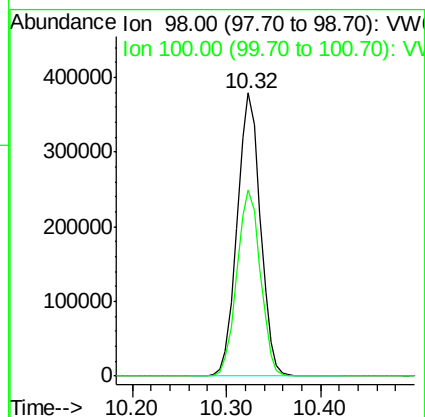
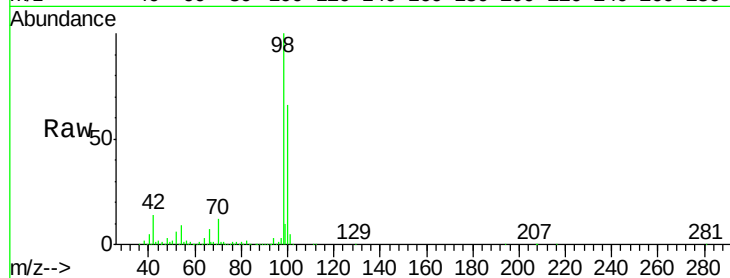
L-1ARE

Tot Ion: 98 Resp: 650072

Ion Ratio Lower Upper

98 100

100 66.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.318 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008826.D

Acq: 26 Feb 2019 13:17

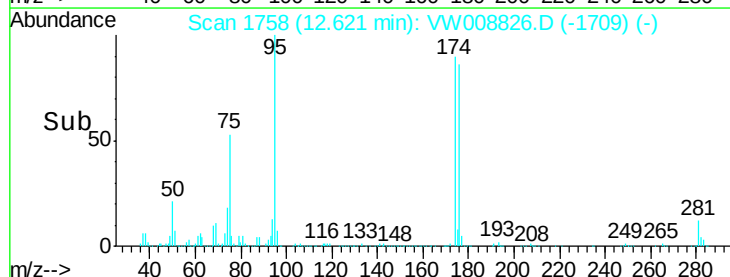
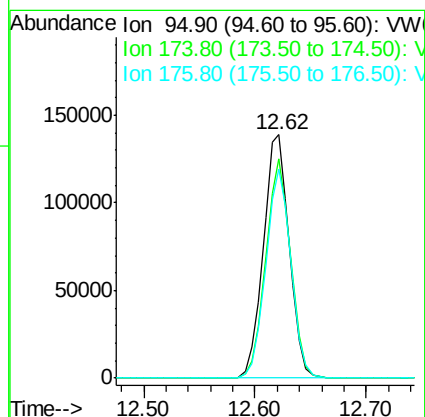
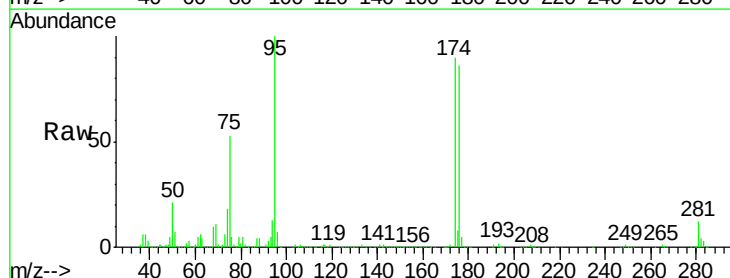
Tgt Ion: 95 Resp: 225165

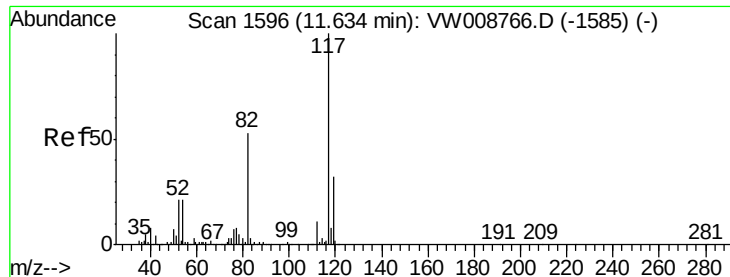
Ion Ratio Lower Upper

95 100

174 86.7 0.0 169.2

176 83.2 0.0 163.6

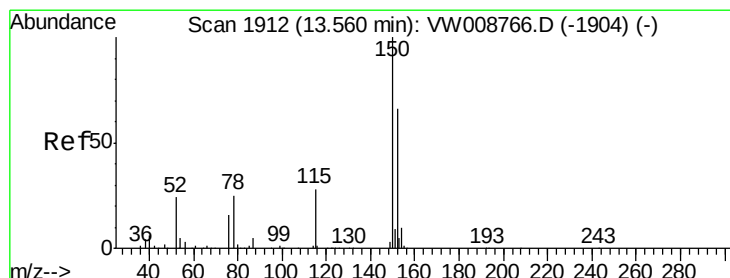
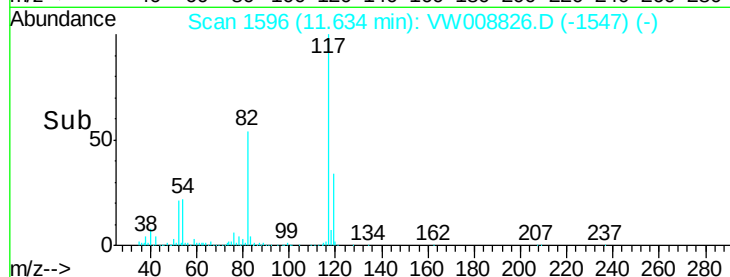
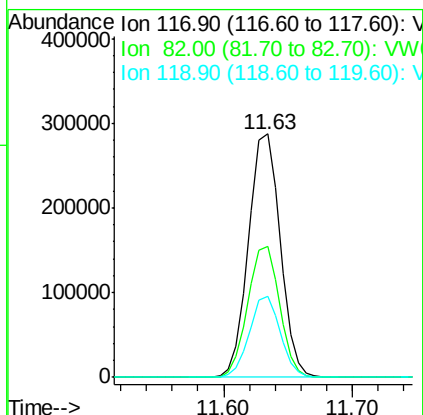
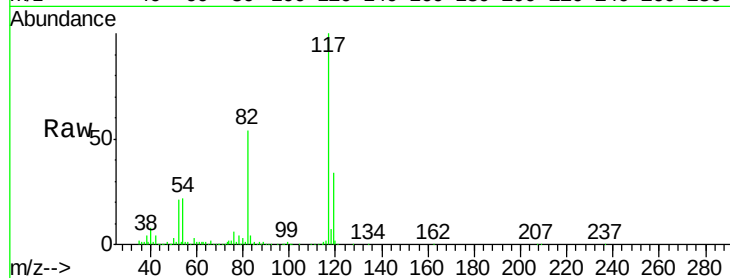




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008826.D
Acq: 26 Feb 2019 13:17

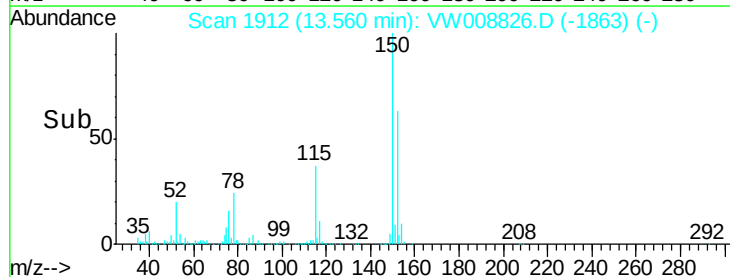
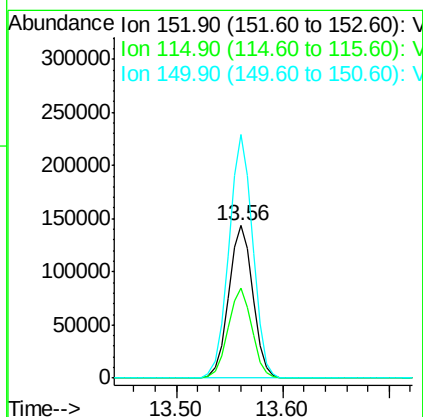
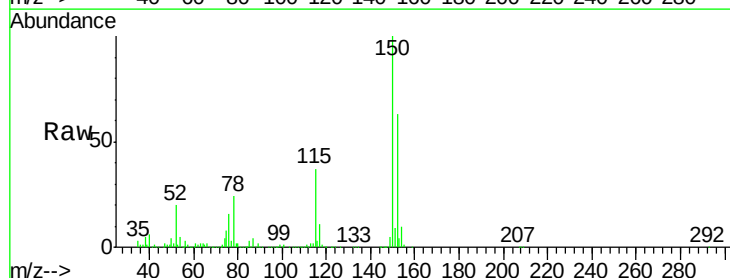
Instrument :
MSVOA_W
ClientSampled :
L-1ARE

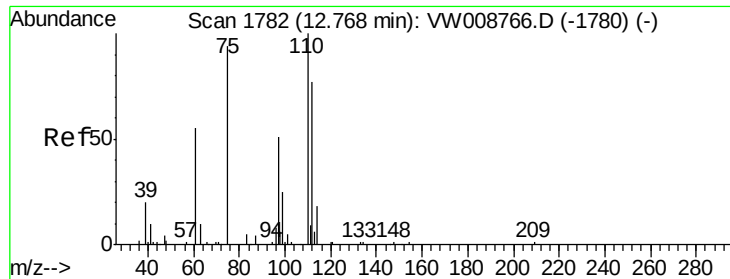
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.2	63.4
119	33.5	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008826.D
Acq: 26 Feb 2019 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.6	85.8
150	157.2	0.0	348.0





#76

1,2,3-Trichloropropane

Concen: 63.604 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008826.D

Acq: 26 Feb 2019 13:17

Instrument :

MSVOA_W

ClientSampled :

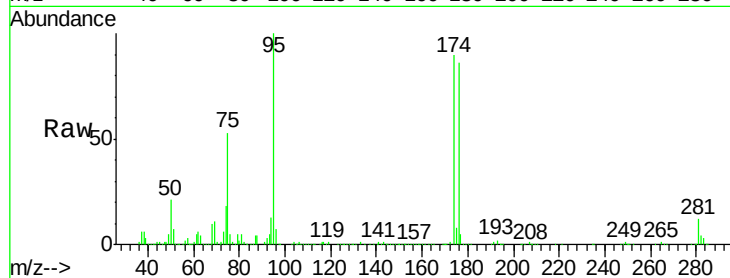
L-1ARE

Tot Ion: 75 Resp: 120340

Ion Ratio Lower Upper

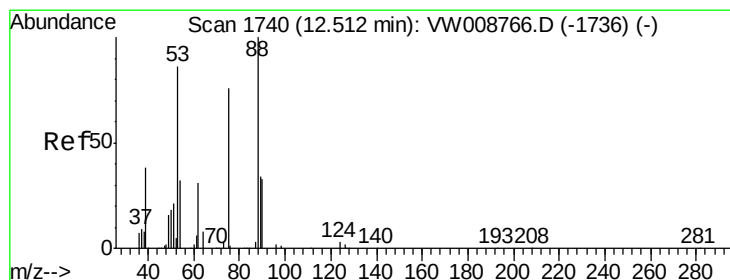
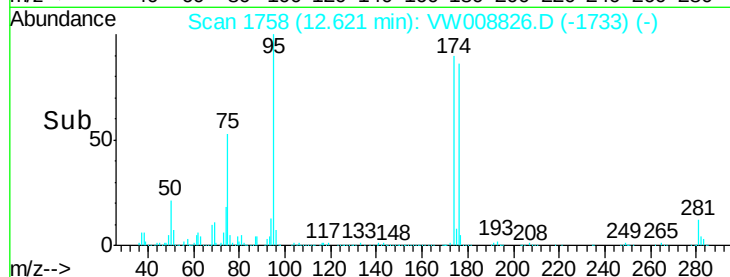
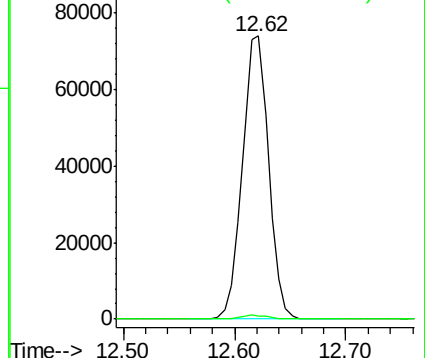
75 100

77 1.7 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: 154.626 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008826.D

Acq: 26 Feb 2019 13:17

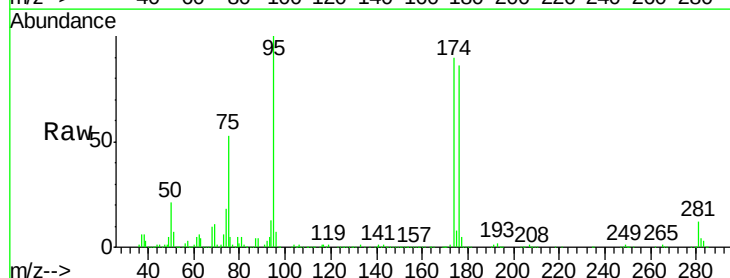
Tgt Ion: 75 Resp: 120340

Ion Ratio Lower Upper

75 100

53 0.4 88.2 132.2#

89 0.1 39.5 59.3#



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

