

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008570.D
 Acq On : 08 Feb 2019 13:20
 Operator : SY/VA
 Sample : VW0208SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBL01

Quant Time: Feb 09 00:25:05 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	567582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	879282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	793351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	390315	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	311069	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	
35) Dibromofluoromethane	7.88	113	291007	56.60	ug/l	0.00
Spiked Amount			Recovery	=	113.20%	
50) Toluene-d8	10.32	98	1184135	57.43	ug/l	0.00
Spiked Amount			Recovery	=	114.86%	
62) 4-Bromofluorobenzene	12.62	95	423056	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	

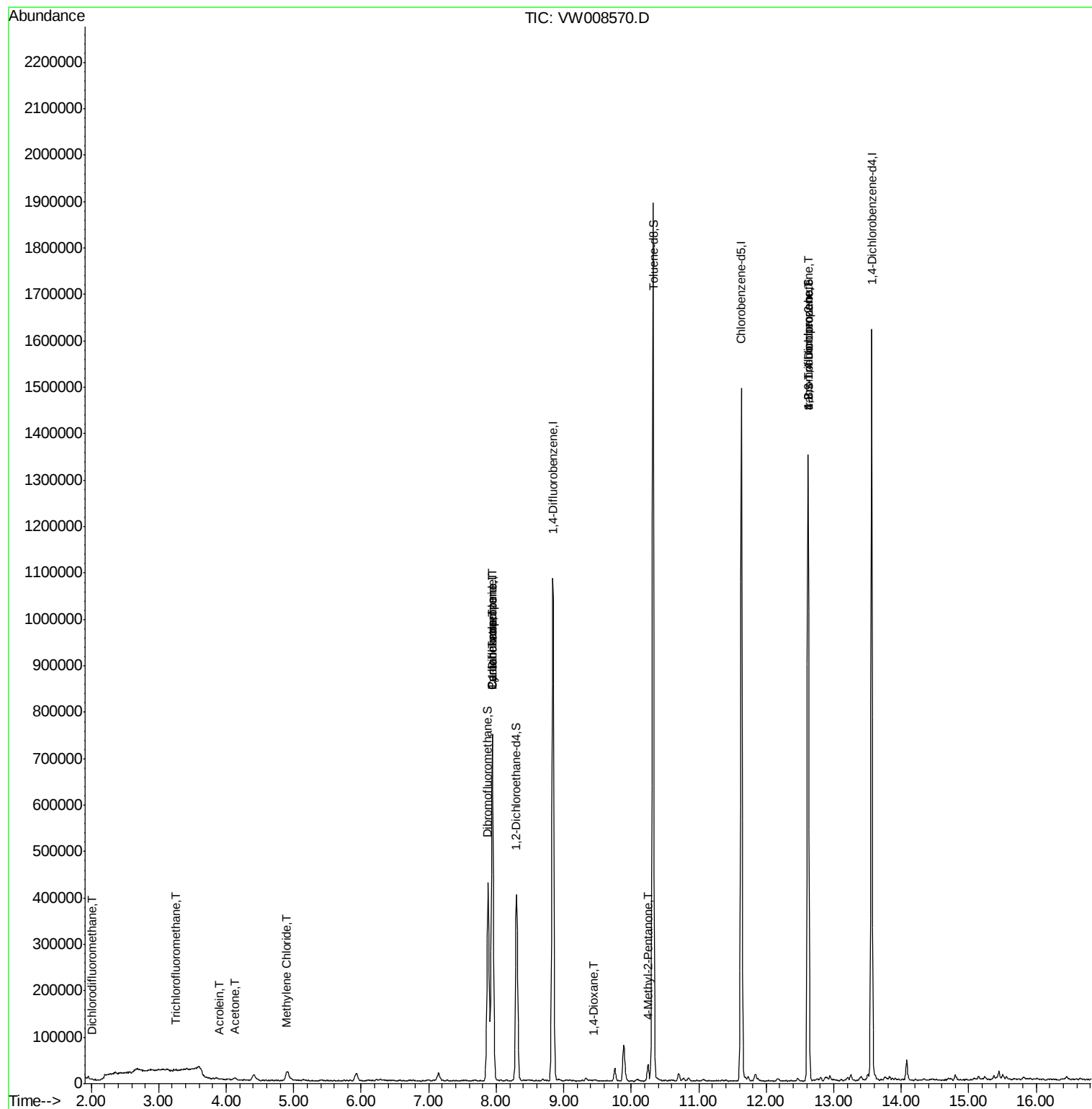
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	588	3.420	ug/l	92
7) Trichlorofluoromethane	3.25	101	219	4.763	ug/l #	38
13) Acrolein	3.90	56	306	4.945	ug/l #	14
16) Acetone	4.13	43	7878	6.292	ug/l	91
20) Methylene Chloride	4.90	84	15931	2.760	ug/l #	77
31) Cyclohexane	7.95	56	13741	1.256	ug/l #	20
36) 1,1-Dichloropropene	7.94	75	45517	5.480	ug/l #	51
38) Carbon Tetrachloride	7.95	117	56647	6.778	ug/l #	15
49) 1,4-Dioxane	9.44	88	264	5.284	ug/l #	37
51) 4-Methyl-2-Pentanone	10.24	43	5307	1.407	ug/l #	77
76) 1,2,3-Trichloropropane	12.62	75	223024	65.721	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	223024	129.803	ug/l #	12

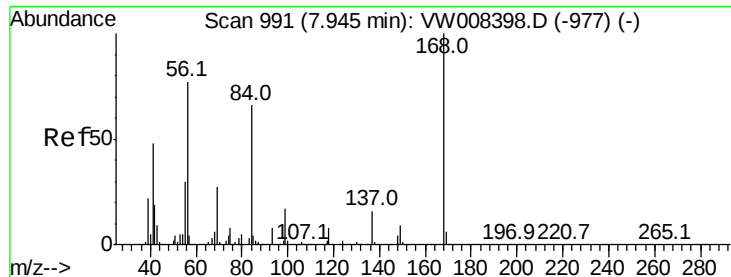
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008570.D

Acq: 08 Feb 2019 13:20

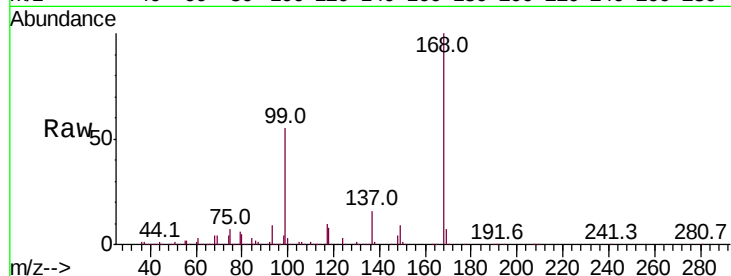
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBL01

Tot Ion:168 Resp: 567582

Ion Ratio Lower Upper

168 100

99 55.2 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

250000

200000

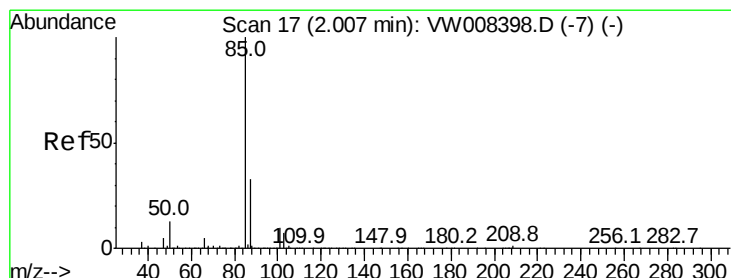
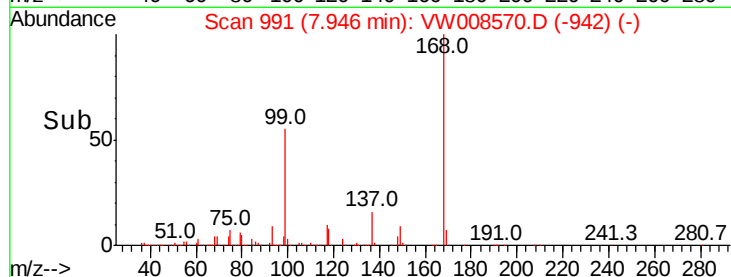
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.420 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW008570.D

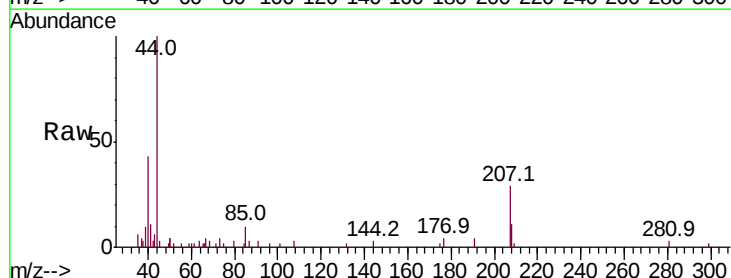
Acq: 08 Feb 2019 13:20

Tgt Ion: 85 Resp: 588

Ion Ratio Lower Upper

85 100

87 29.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

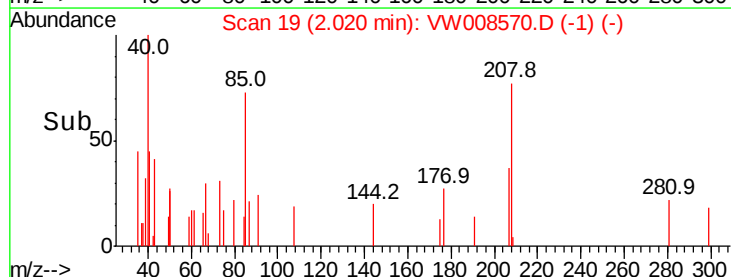
300

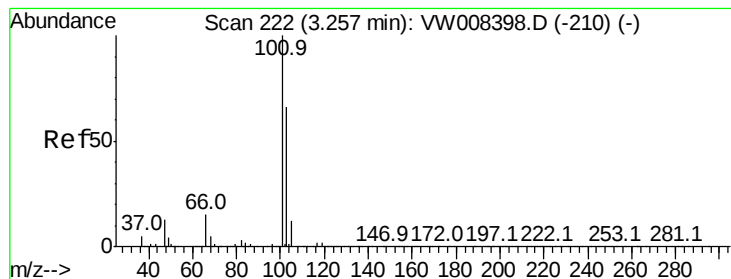
200

100

0

Time--> 2.00 2.05



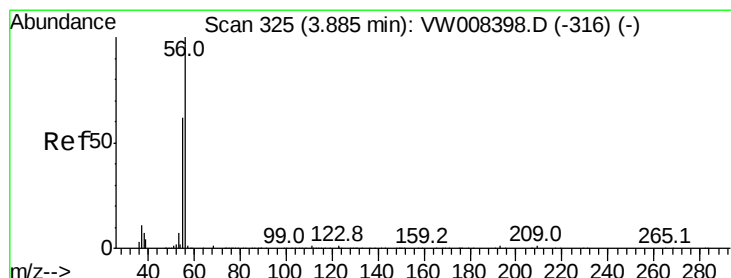
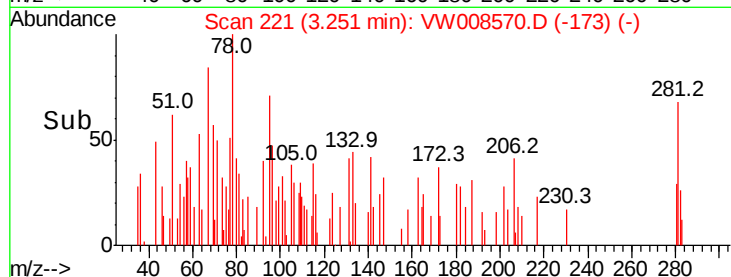
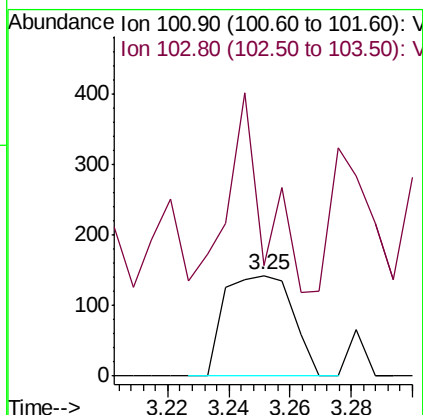
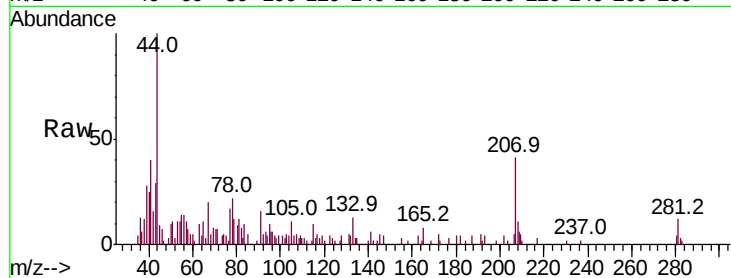


#7

Trichlorofluoromethane
 Concen: 4.763 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008570.D
 Acq: 08 Feb 2019 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBL01

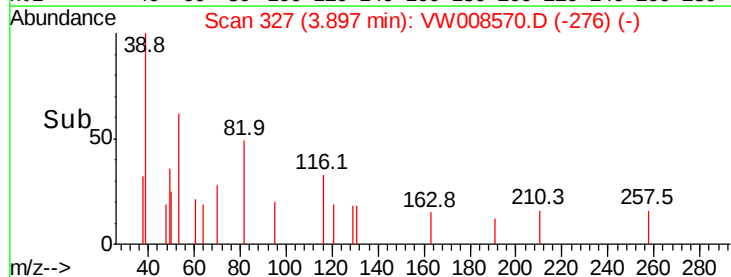
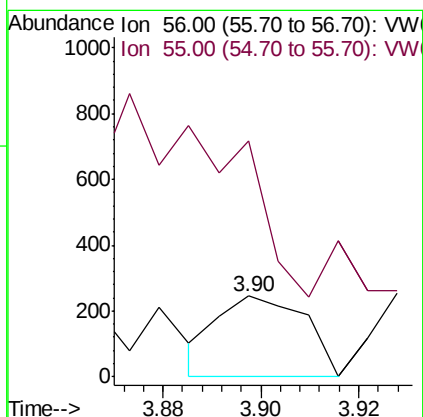
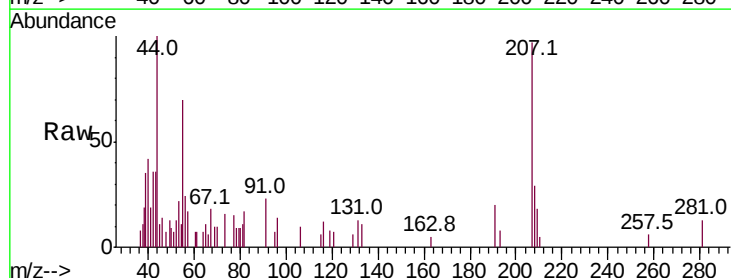
Tot Ion:101 Resp: 219
 Ion Ratio Lower Upper
 101 100
 103 16.1 52.5 78.7#

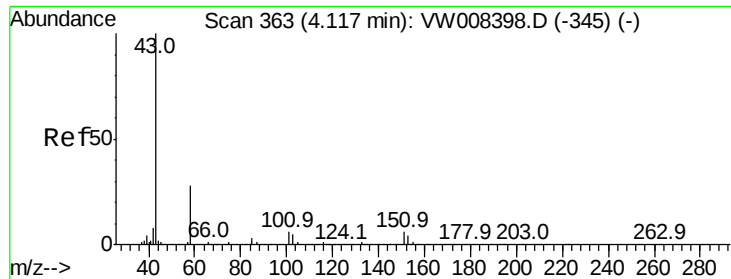


#13

Acrolein
 Concen: 4.945 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW008570.D
 Acq: 08 Feb 2019 13:20

Tgt Ion: 56 Resp: 306
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#

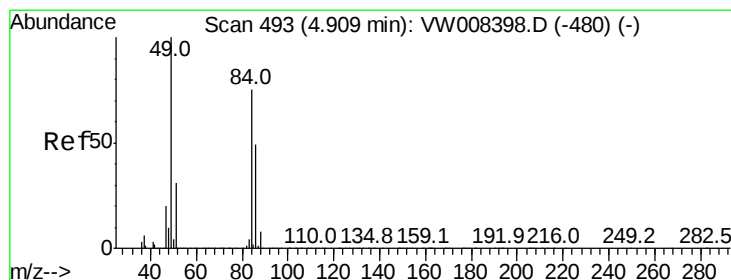
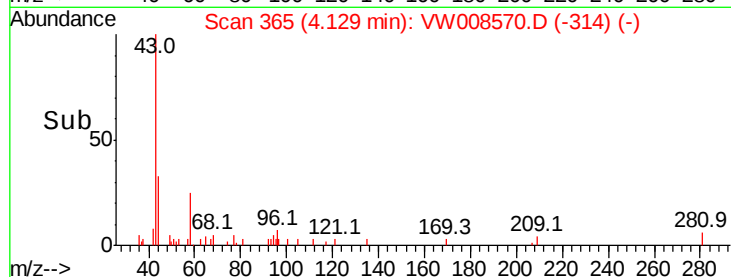
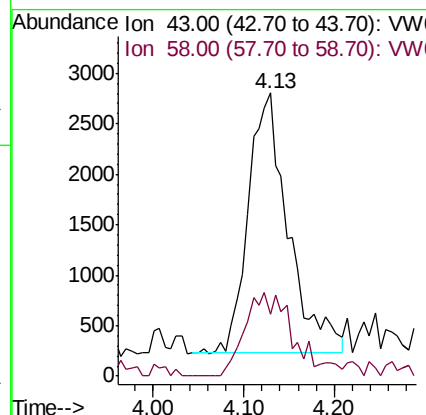
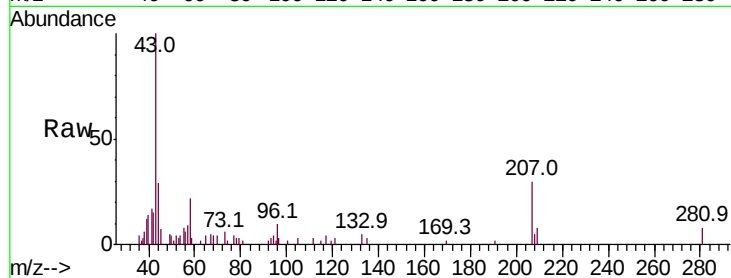




#16
Acetone
Concen: 6.292 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008570.D
Acq: 08 Feb 2019 13:20

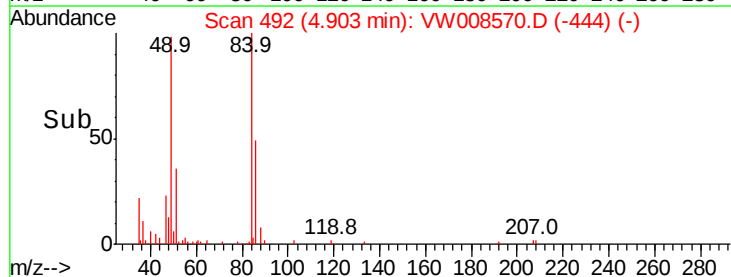
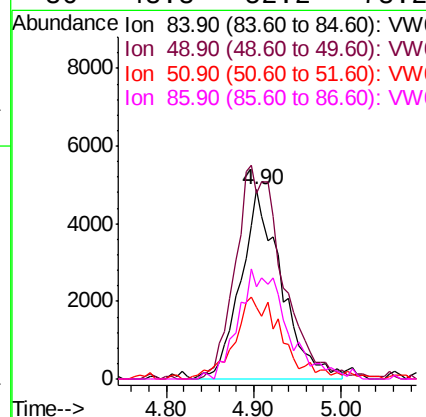
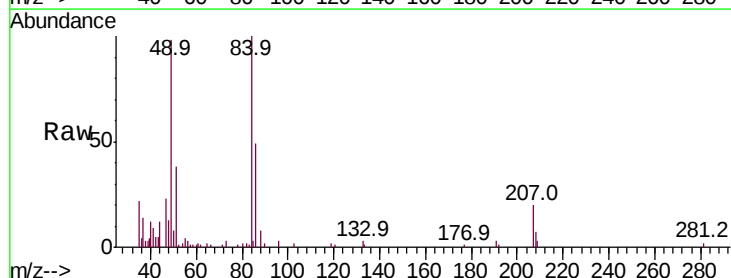
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBL01

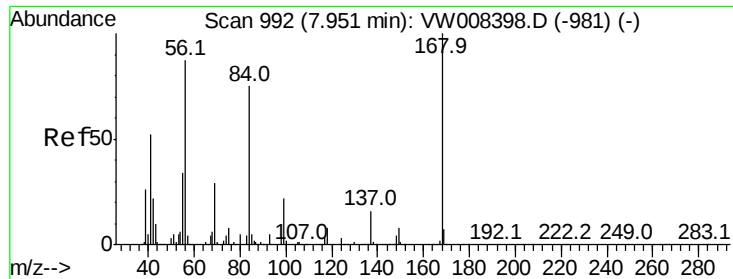
Tot Ion: 43 Resp: 7878
Ion Ratio Lower Upper
43 100
58 23.8 22.6 34.0



#20
Methylene Chloride
Concen: 2.760 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008570.D
Acq: 08 Feb 2019 13:20

Tgt Ion: 84 Resp: 15931
Ion Ratio Lower Upper
84 100
49 98.4 106.8 160.2#
51 36.6 32.9 49.3
86 48.8 52.2 78.2#

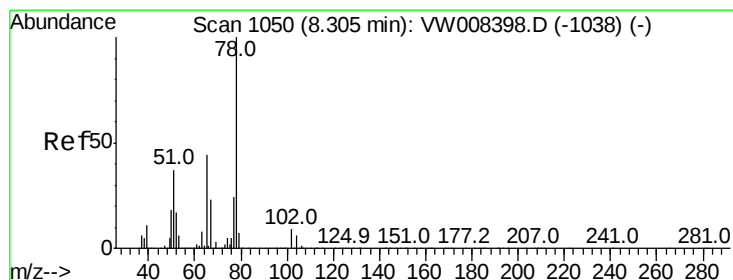
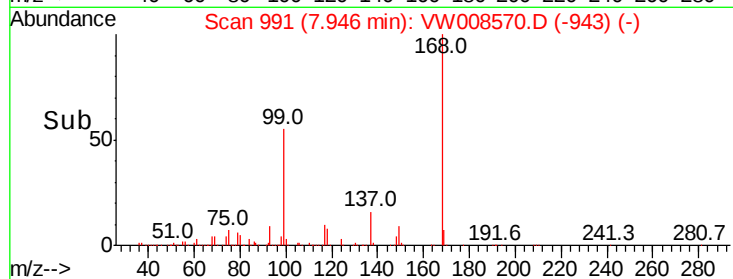
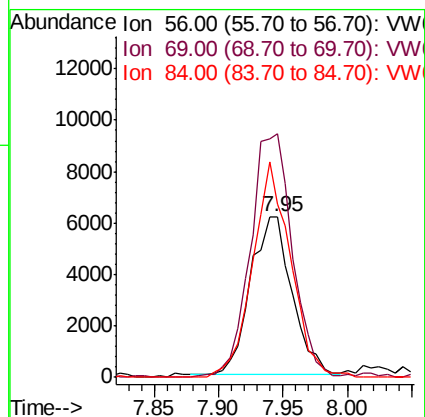
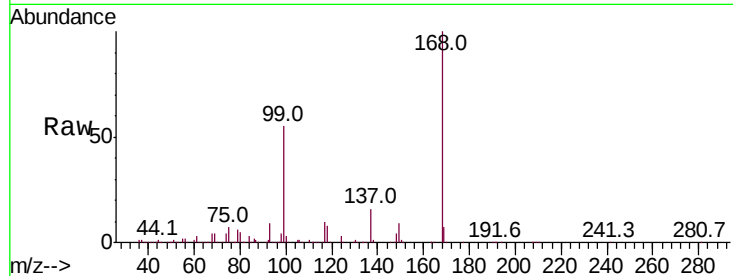




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008570.D
Acq: 08 Feb 2019 13:20

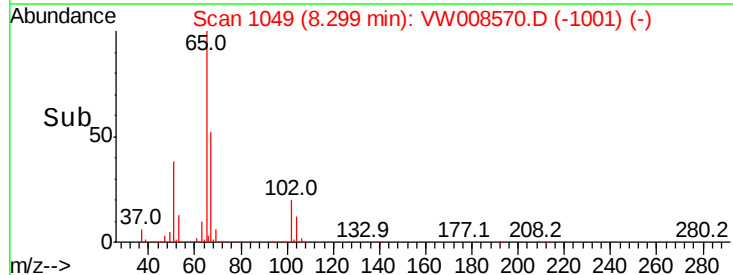
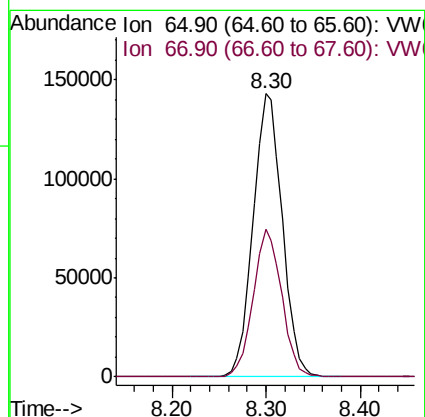
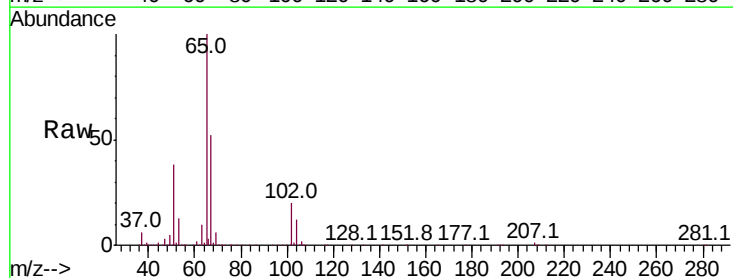
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBL01

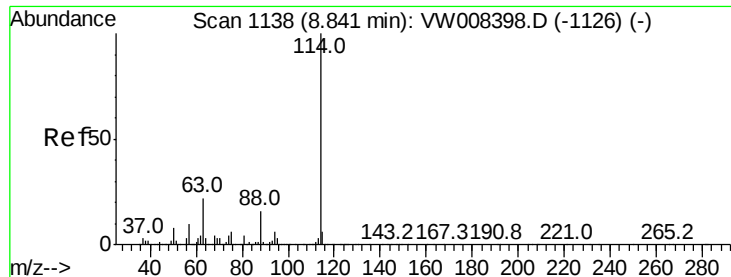
Tot Ion: 56 Resp: 13741
Ion Ratio Lower Upper
56 100
69 154.3 26.4 39.6#
84 112.3 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 55.787 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008570.D
Acq: 08 Feb 2019 13:20

Tgt Ion: 65 Resp: 311069
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBL01

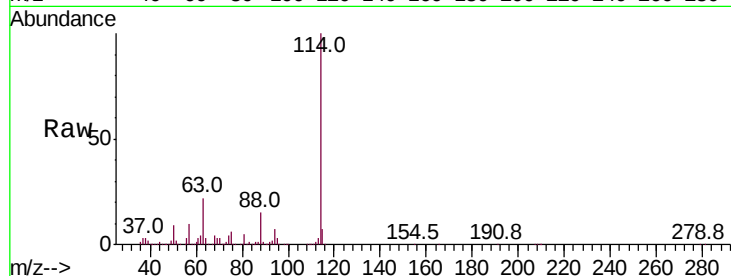
Tot Ion:114 Resp: 879282

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.6

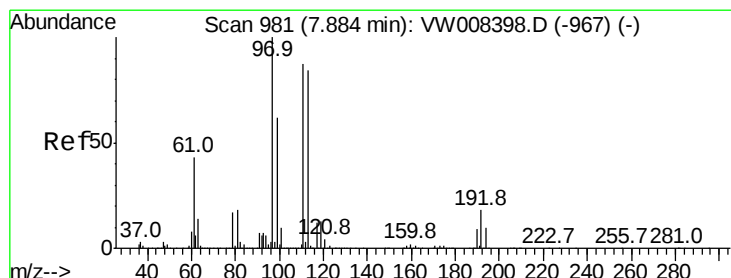
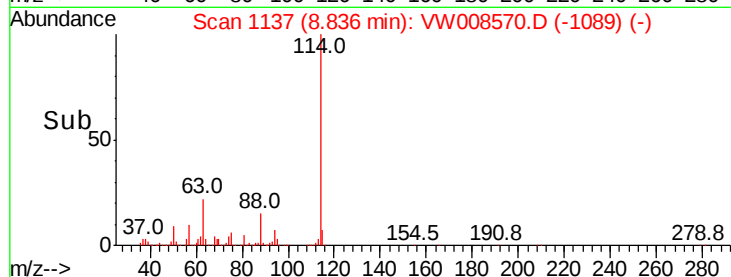
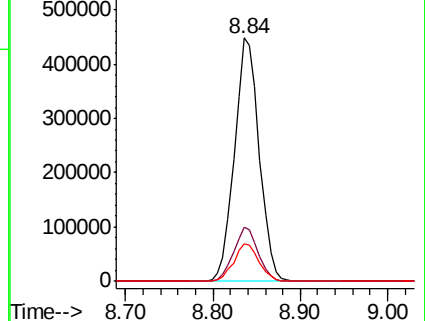
88 15.4 0.0 31.8



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: 56.600 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

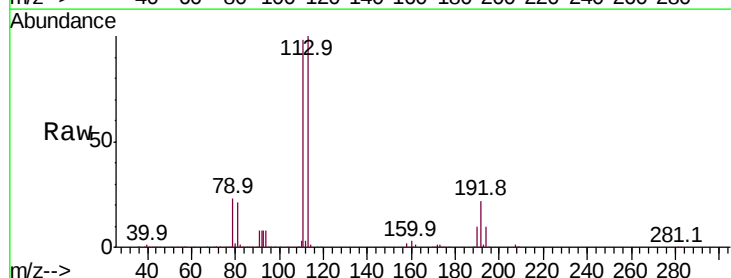
Tgt Ion:113 Resp: 291007

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

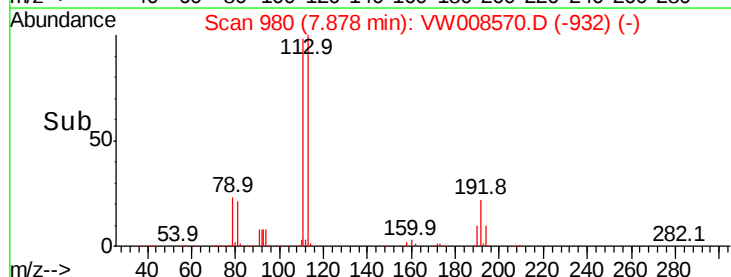
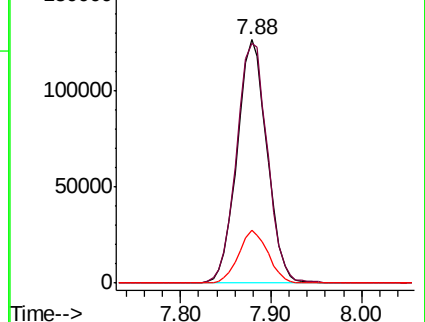
192 21.2 16.8 25.2

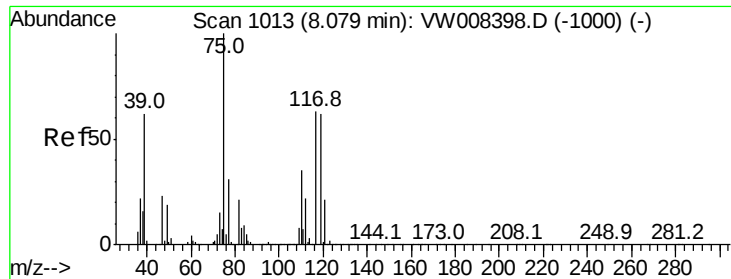


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.480 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBL01

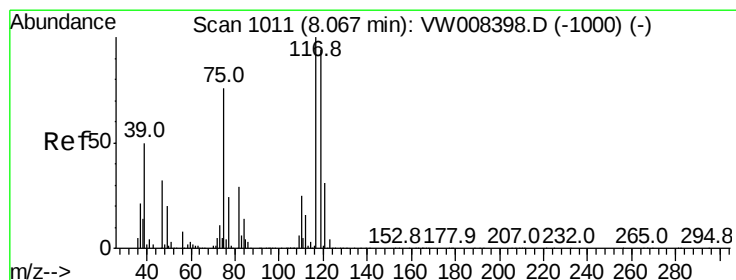
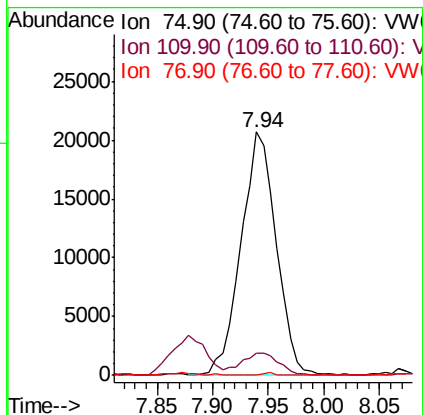
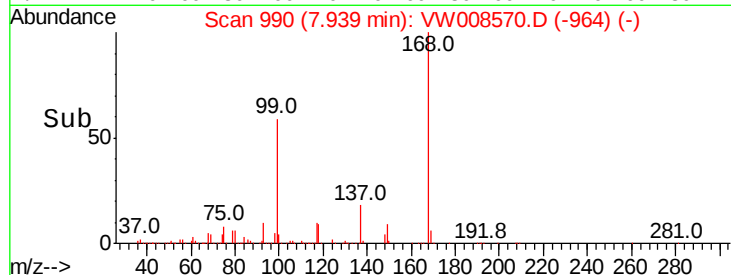
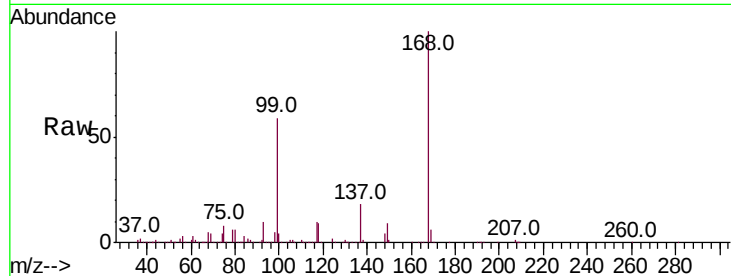
Tot Ion: 75 Resp: 45517

Ion Ratio Lower Upper

75 100

110 10.0 17.3 52.0#

77 0.3 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.778 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

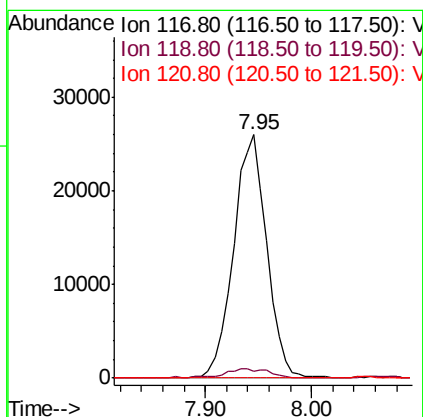
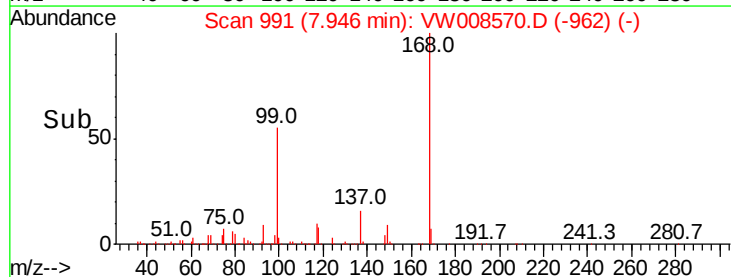
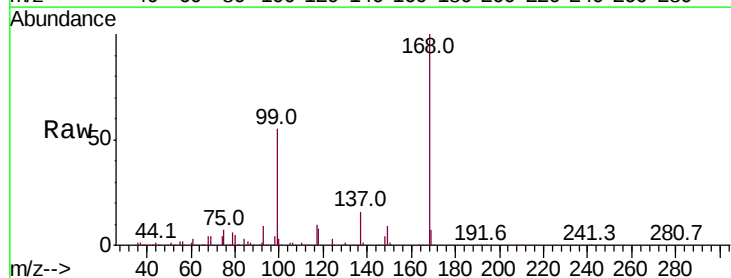
Tgt Ion: 117 Resp: 56647

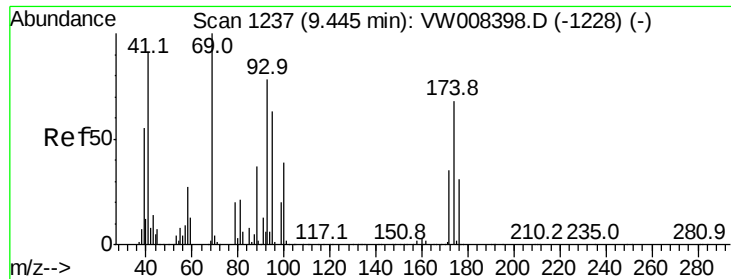
Ion Ratio Lower Upper

117 100

119 2.6 75.0 112.4#

121 0.0 24.9 37.3#





#49

1,4-Dioxane

Concen: 5.284 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampled :

VW0208SBL01

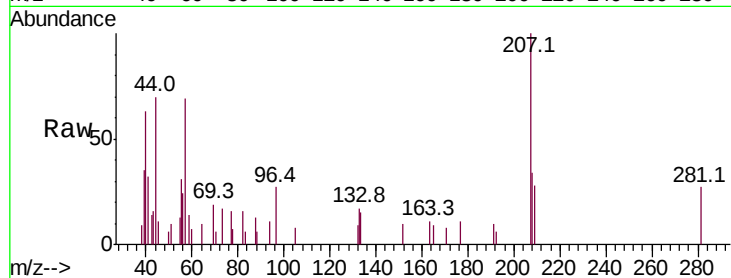
Tot Ion: 88 Resp: 264

Ion Ratio Lower Upper

88 100

43 46.6 29.0 43.4#

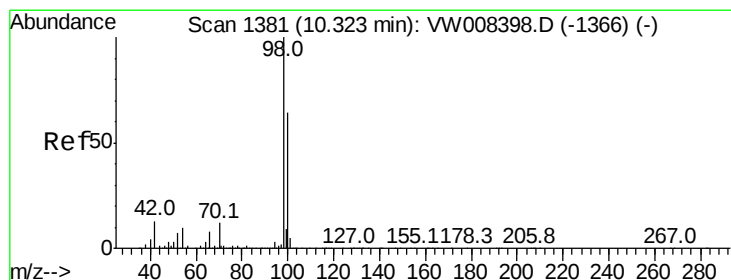
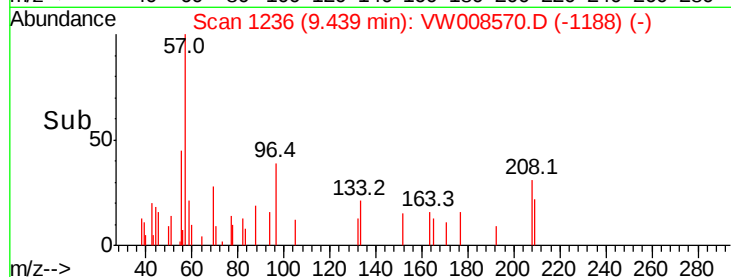
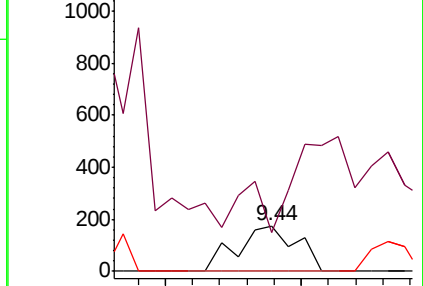
58 0.0 56.4 84.6#



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: 57.434 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008570.D

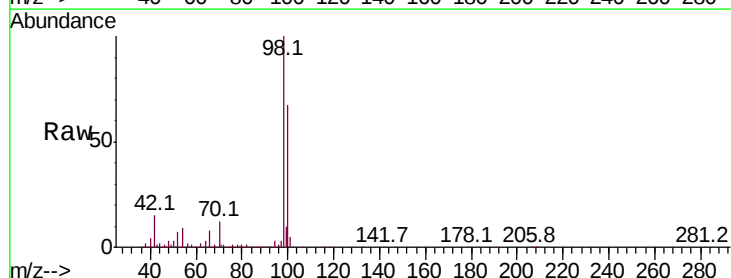
Acq: 08 Feb 2019 13:20

Tgt Ion: 98 Resp: 1184135

Ion Ratio Lower Upper

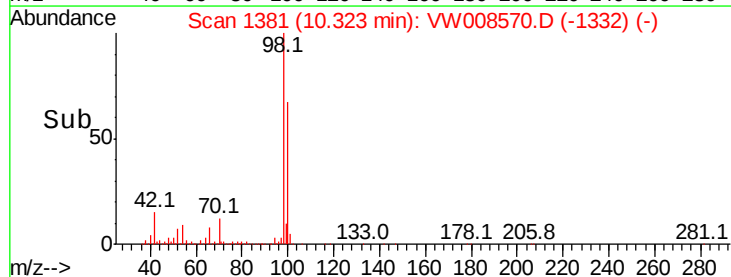
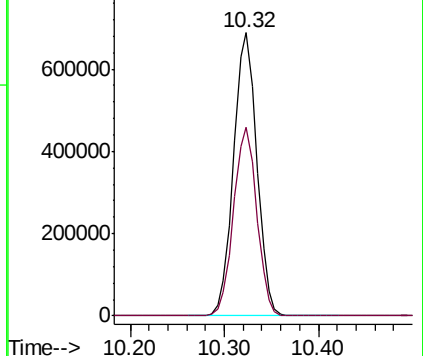
98 100

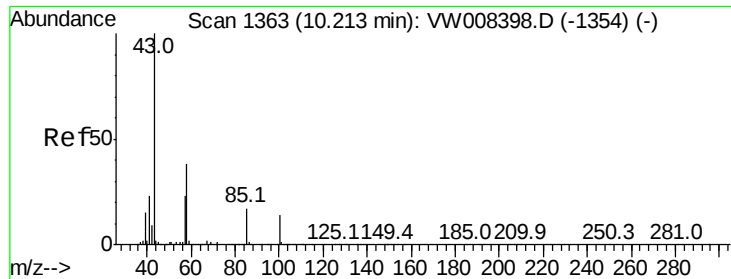
100 66.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

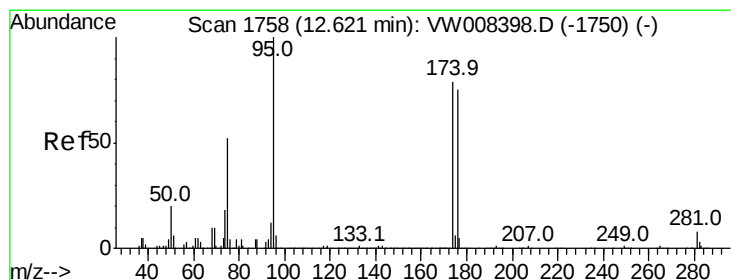
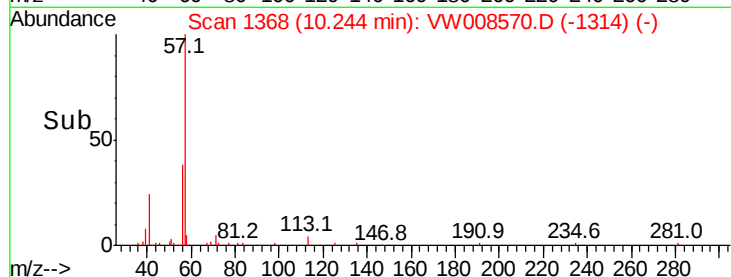
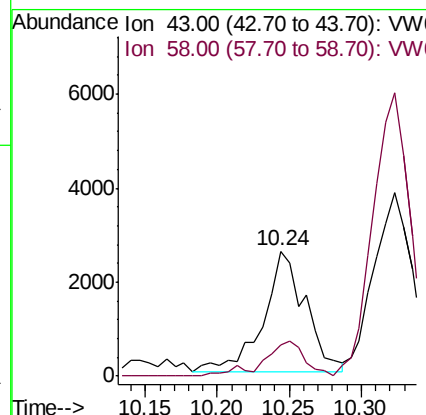
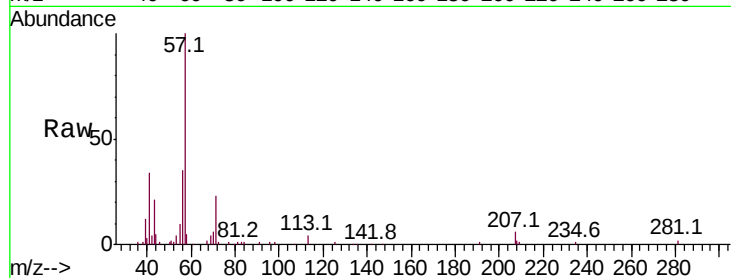




#51
4-Methyl-2-Pentanone
Concen: 1.407 ug/l
RT: 10.24 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VW008570.D
Acq: 08 Feb 2019 13:20

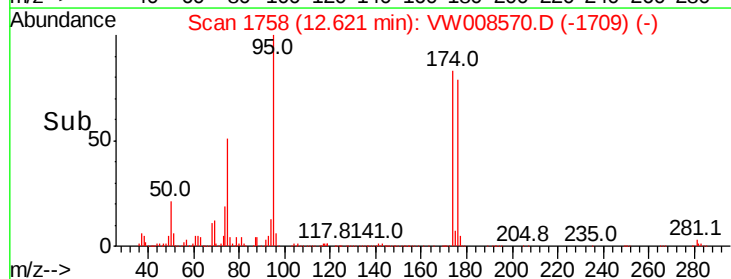
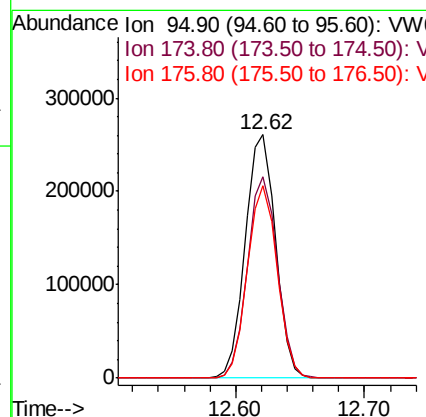
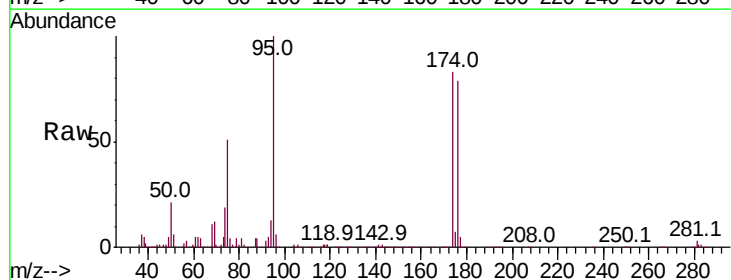
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBL01

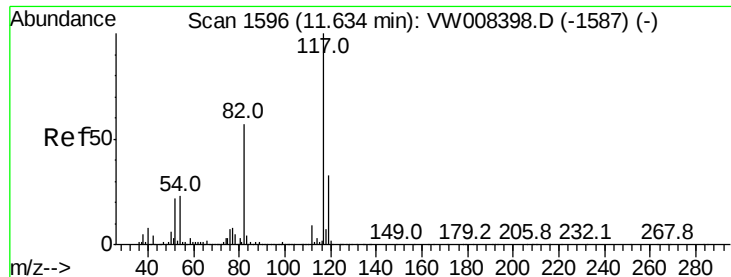
Tot Ion: 43 Resp: 5307
Ion Ratio Lower Upper
43 100
58 23.1 29.7 44.5#



#62
4-Bromofluorobenzene
Concen: 53.382 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008570.D
Acq: 08 Feb 2019 13:20

Tgt Ion: 95 Resp: 423056
Ion Ratio Lower Upper
95 100
174 81.5 0.0 157.6
176 77.8 0.0 151.8

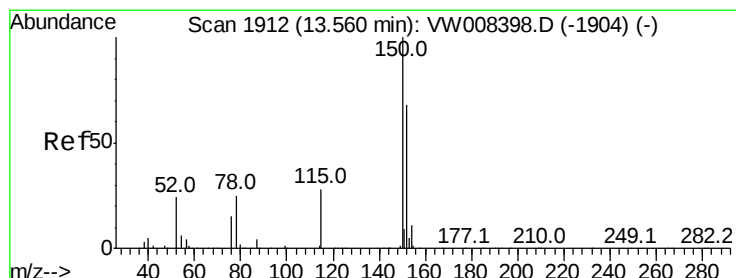
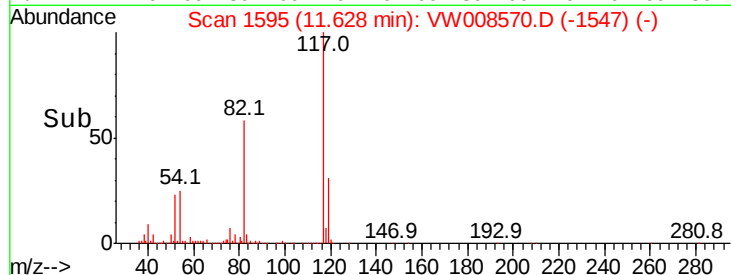
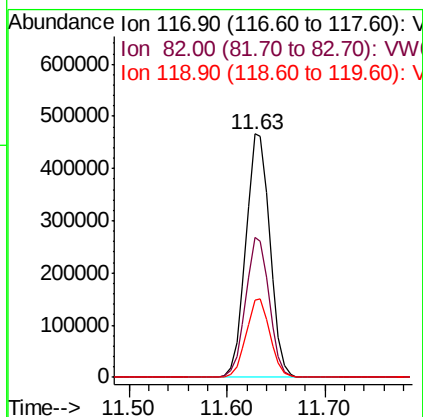
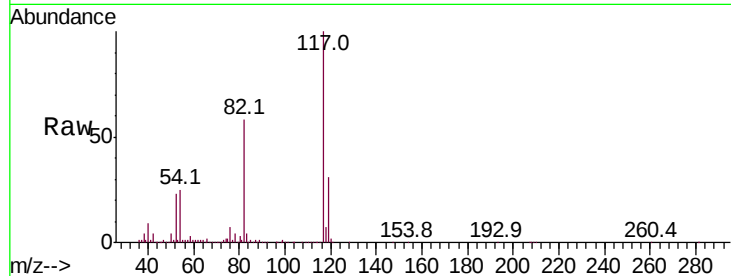




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008570.D
Acq: 08 Feb 2019 13:20

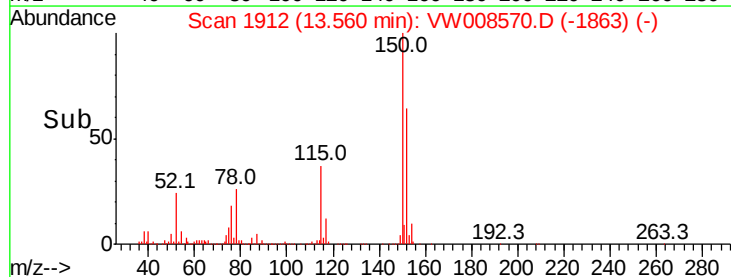
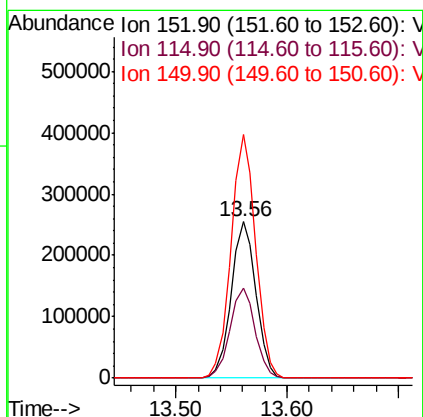
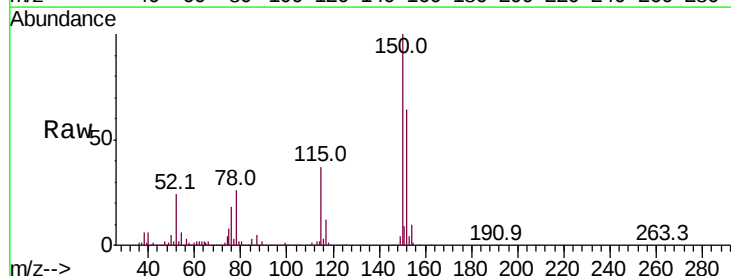
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBL01

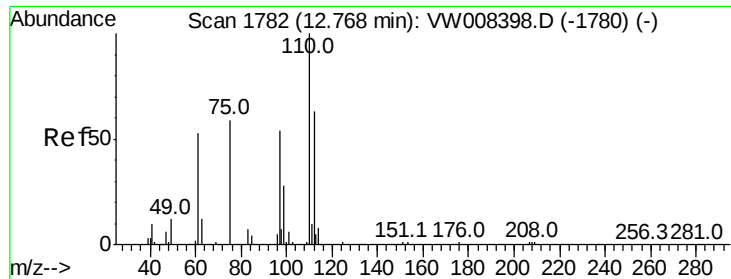
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.4	68.0
119	31.5	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008570.D
Acq: 08 Feb 2019 13:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.9	89.7
150	155.1	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 65.721 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampled :

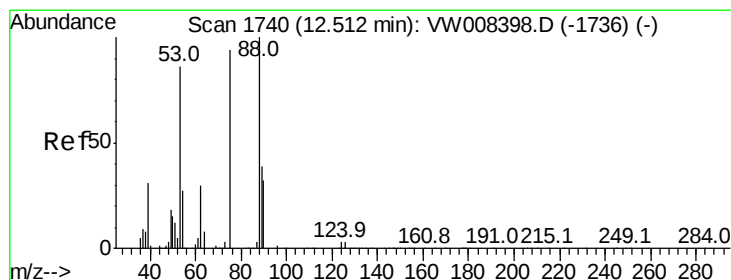
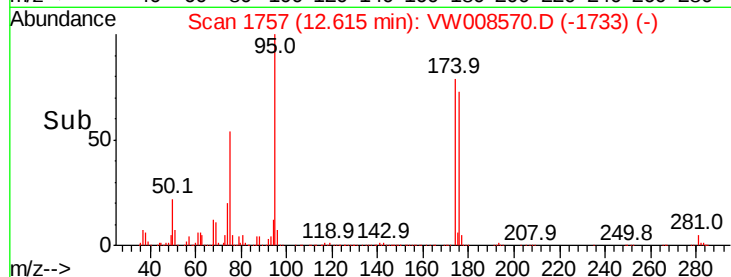
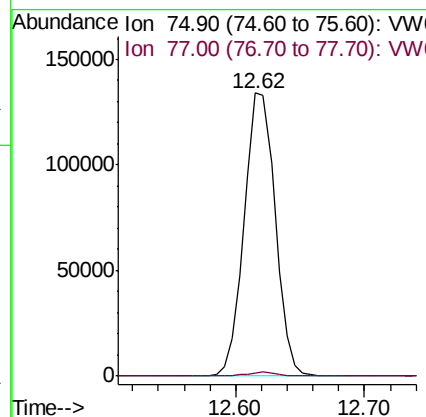
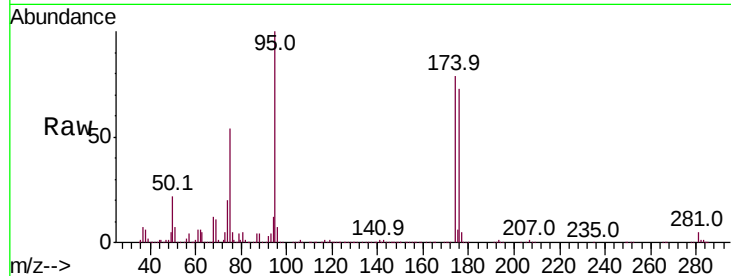
VW0208SBL01

Tot Ion: 75 Resp: 223024

Ion Ratio Lower Upper

75 100

77 1.2 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.803 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

Tgt Ion: 75 Resp: 223024

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.1 35.4 53.0#

