

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008825.D
 Acq On : 26 Feb 2019 12:50
 Operator : SY/VA
 Sample : K1613-02RE
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 R-1ARE

Quant Time: Feb 27 05:57:06 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	321215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	502572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	444577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	201547	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	185924	61.71	ug/l	0.00
Spiked Amount			Recovery	=	123.42%	
35) Dibromofluoromethane	7.88	113	153488	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	10.32	98	596874	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.62	95	202541	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	

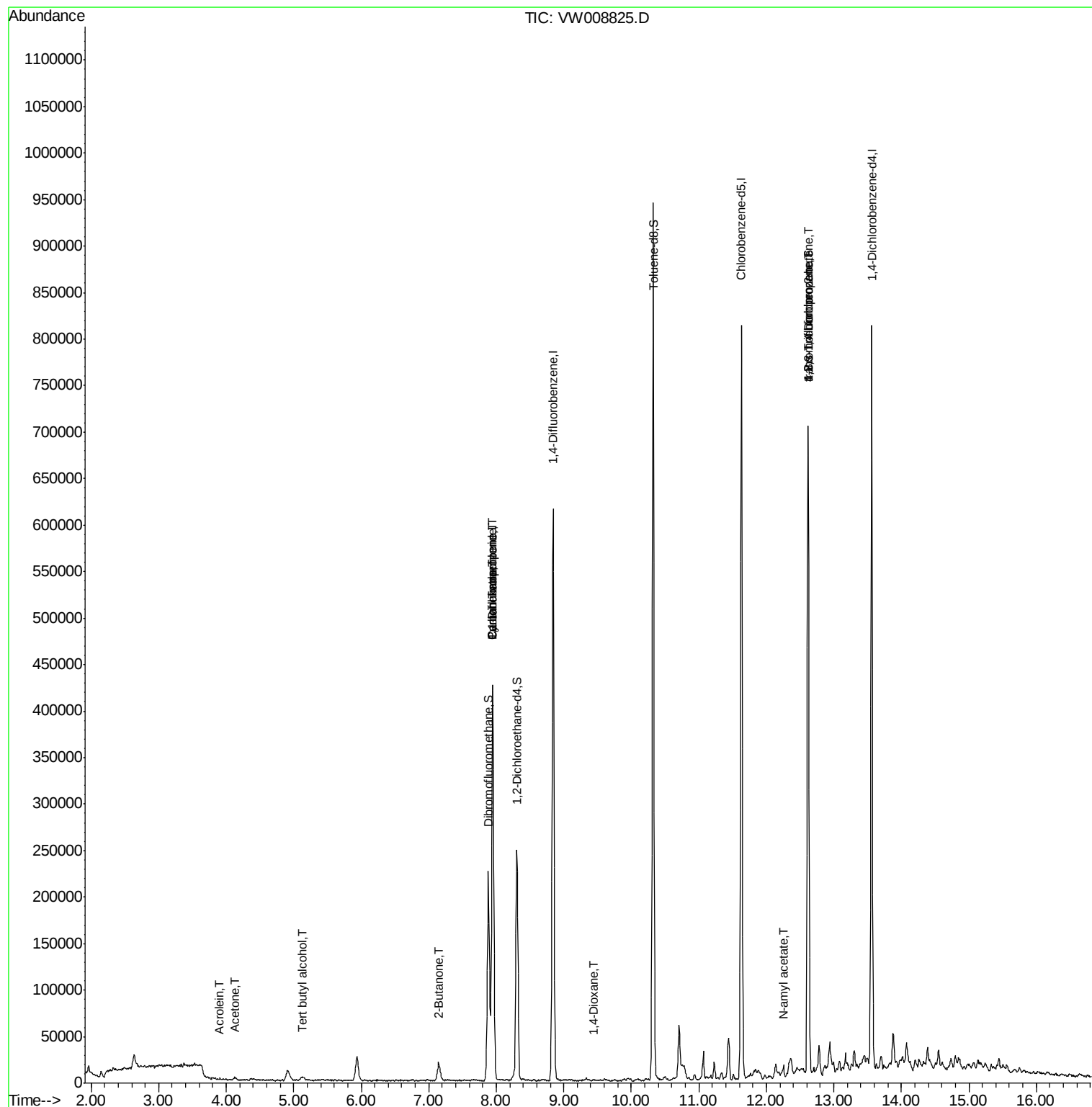
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	432	1.611	ug/l	96
13) Acrolein	3.88	56	180	20.366	ug/l #	14
16) Acetone	4.13	43	4718	6.756	ug/l #	87
20) Methylene Chloride	4.91	84	7957	Below Cal	#	87
25) 2-Butanone	7.16	43	1558	1.596	ug/l #	87
31) Cyclohexane	7.95	56	7722	1.360	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	23953	4.896	ug/l #	51
38) Carbon Tetrachloride	7.95	117	31107	6.029	ug/l #	18
49) 1,4-Dioxane	9.44	88	54	1.837	ug/l #	1
74) N-amyl acetate	12.26	43	3644	1.047	ug/l #	84
76) 1,2,3-Trichloropropane	12.61	75	107084	64.352	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	107084	156.444	ug/l #	6

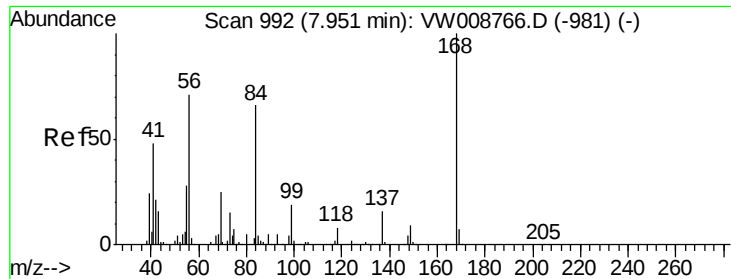
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW008825.D

Acq: 26 Feb 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

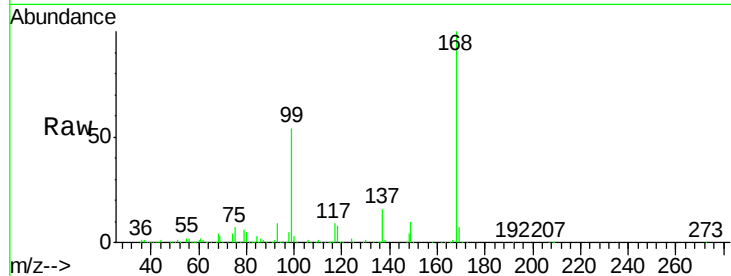
R-1ARE

Tot Ion:168 Resp: 321215

Ion Ratio Lower Upper

168 100

99 53.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

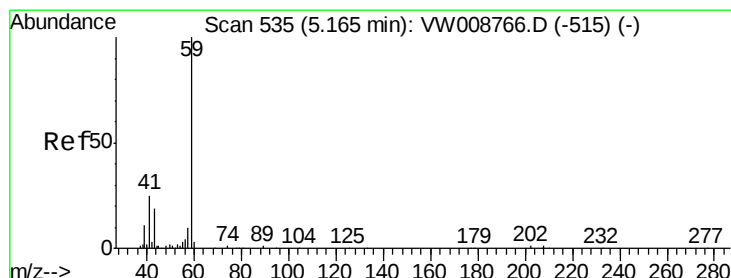
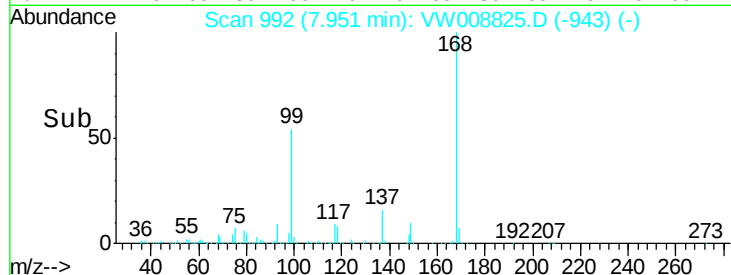
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.611 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008825.D

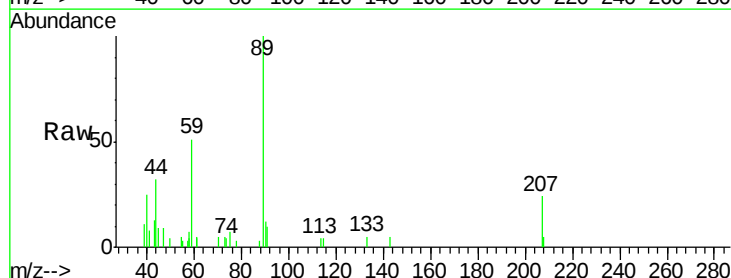
Acq: 26 Feb 2019 12:50

Tgt Ion: 59 Resp: 432

Ion Ratio Lower Upper

59 100

57 13.2 9.3 13.9



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

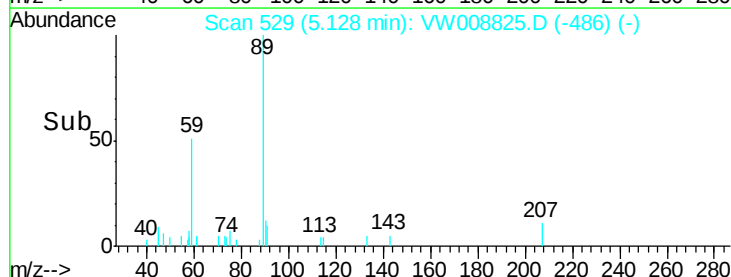
5.13

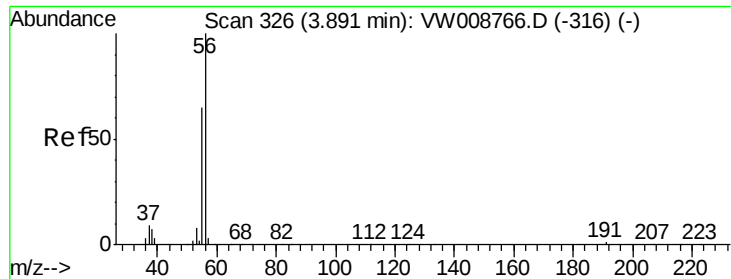
1000

500

0

Time-->





#13

Acrolein

Concen: 20.366 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008825.D

Acq: 26 Feb 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

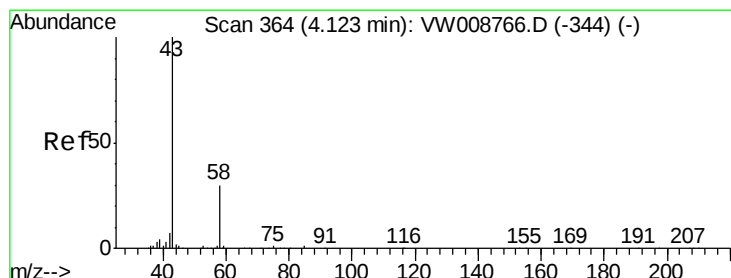
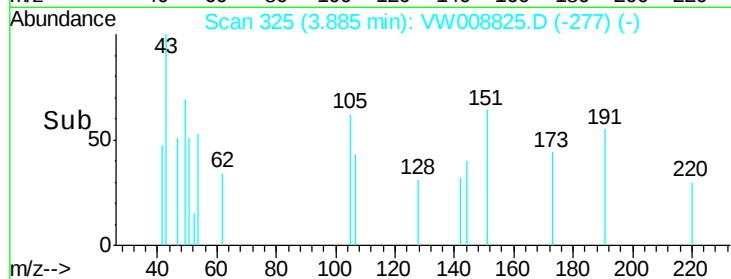
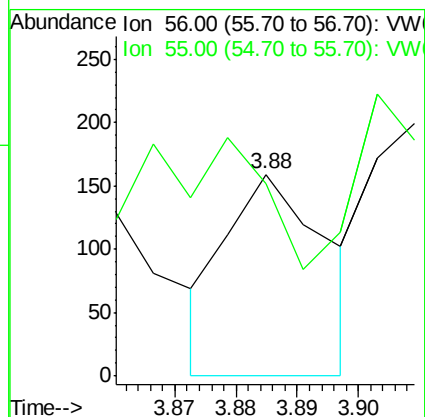
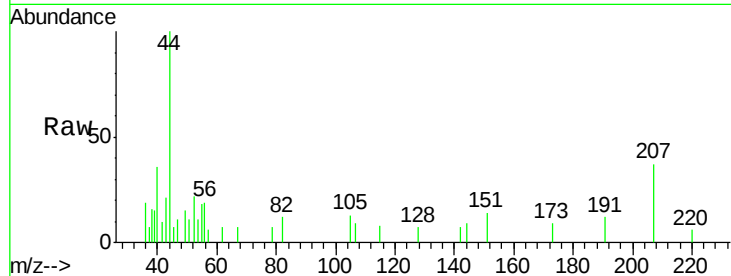
R-1ARE

Tot Ion: 56 Resp: 180

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 6.756 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008825.D

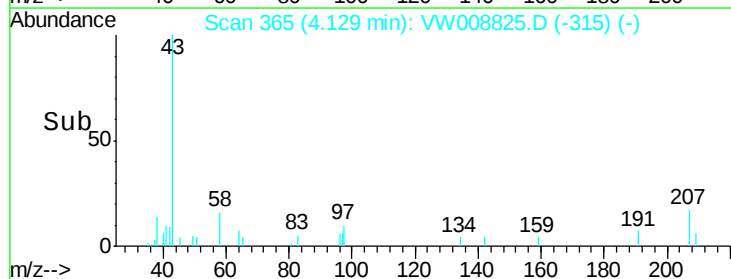
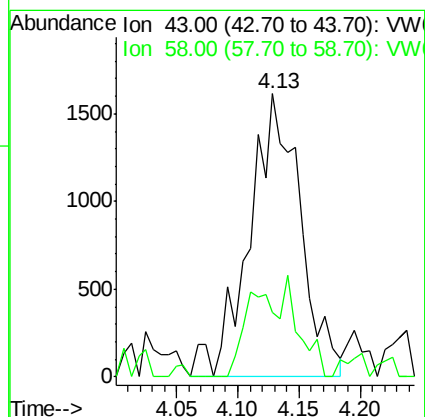
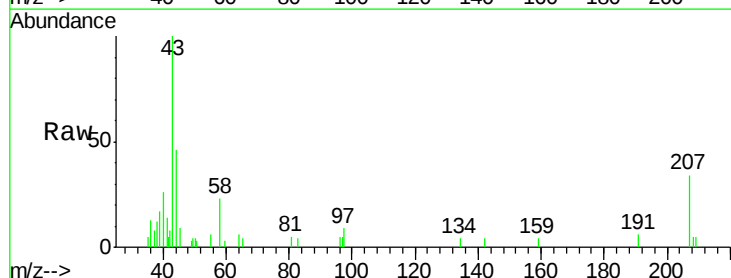
Acq: 26 Feb 2019 12:50

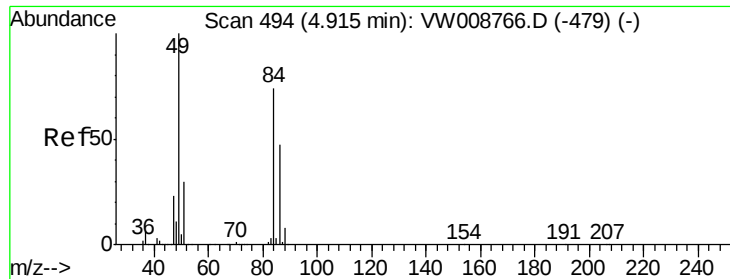
Tgt Ion: 43 Resp: 4718

Ion Ratio Lower Upper

43 100

58 22.8 23.8 35.6#

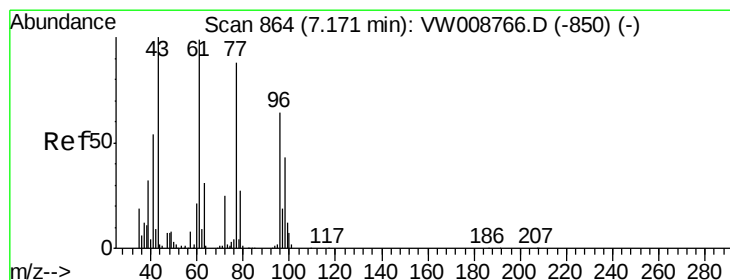
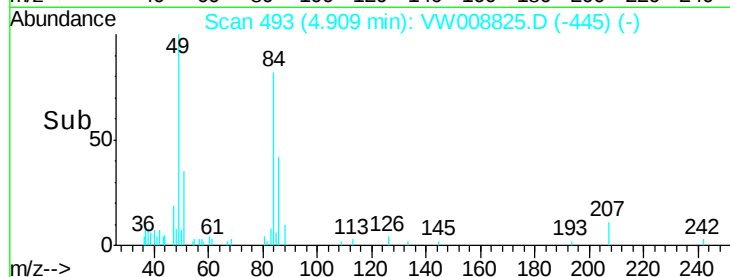
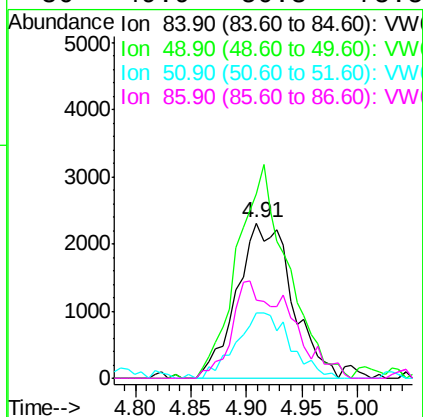
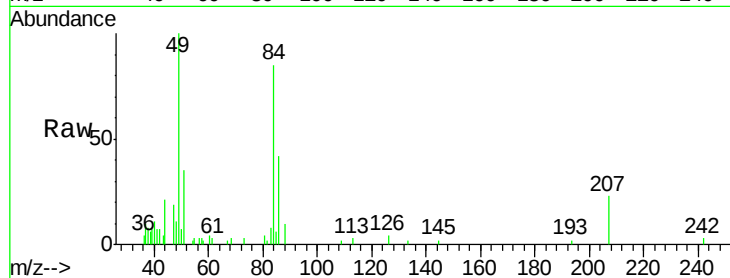




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008825.D
Acq: 26 Feb 2019 12:50

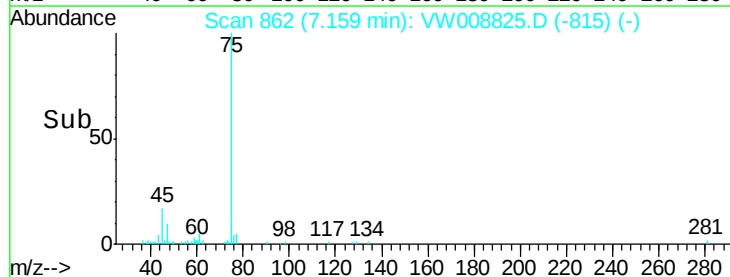
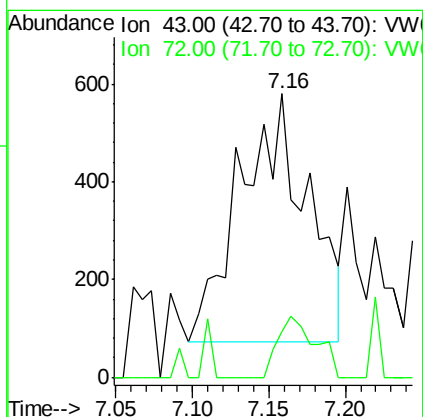
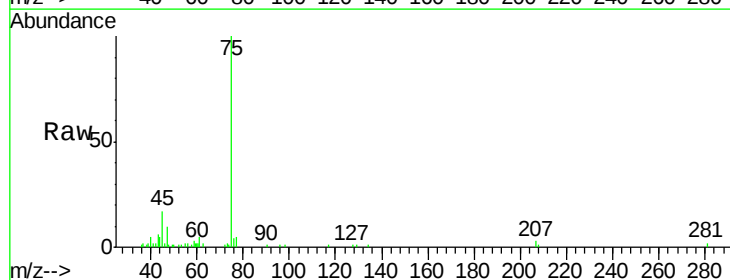
Instrument :
MSVOA_W
ClientSampleId :
R-1ARE

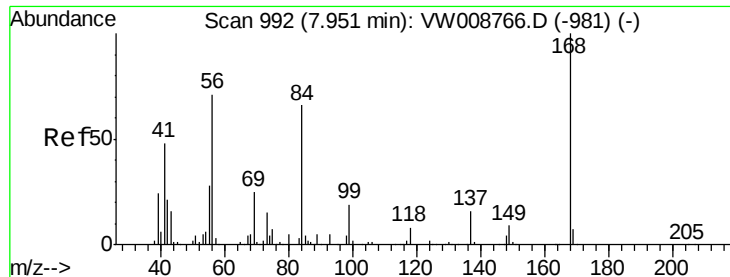
Tot Ion: 84 Resp: 7957
Ion Ratio Lower Upper
84 100
49 118.1 108.2 162.2
51 41.7 32.7 49.1
86 49.9 50.3 75.5#



#25
2-Butanone
Concen: 1.596 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008825.D
Acq: 26 Feb 2019 12:50

Tgt Ion: 43 Resp: 1558
Ion Ratio Lower Upper
43 100
72 18.3 19.7 29.5#

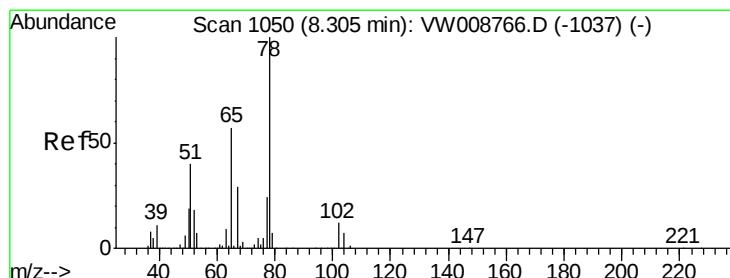
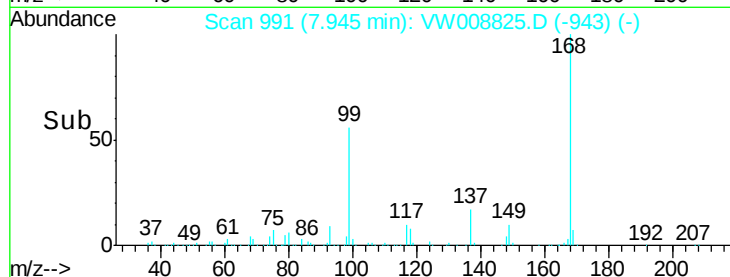
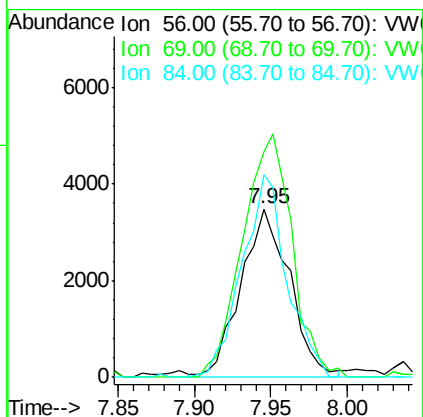
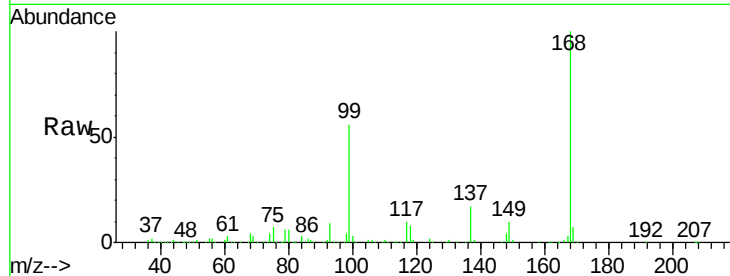




#31
Cyclohexane
Concen: 1.360 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008825.D
Acq: 26 Feb 2019 12:50

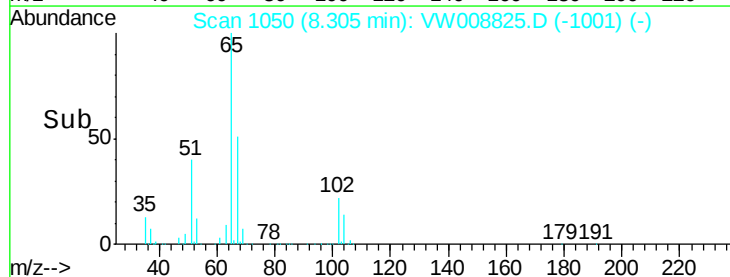
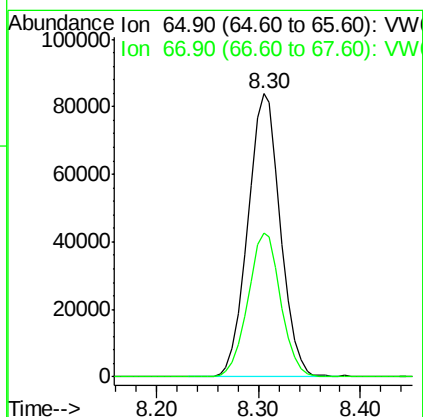
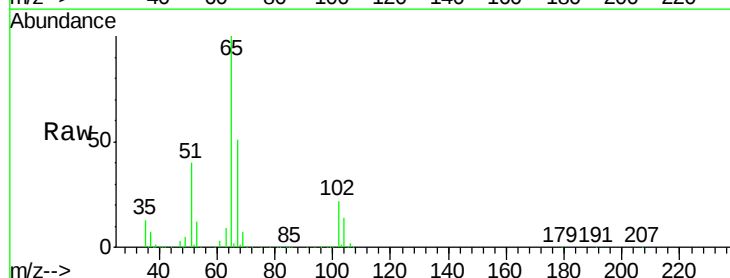
Instrument :
MSVOA_W
ClientSampled :
R-1ARE

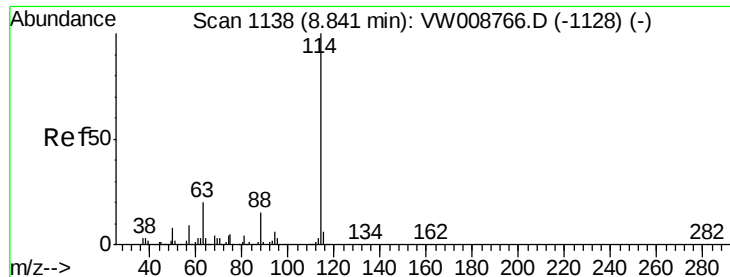
Tot Ion: 56 Resp: 7722
Ion Ratio Lower Upper
56 100
69 136.1 28.2 42.4#
84 122.6 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 61.713 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008825.D
Acq: 26 Feb 2019 12:50

Tgt Ion: 65 Resp: 185924
Ion Ratio Lower Upper
65 100
67 51.1 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: VW008825.D

Acq: 26 Feb 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

R-1ARE

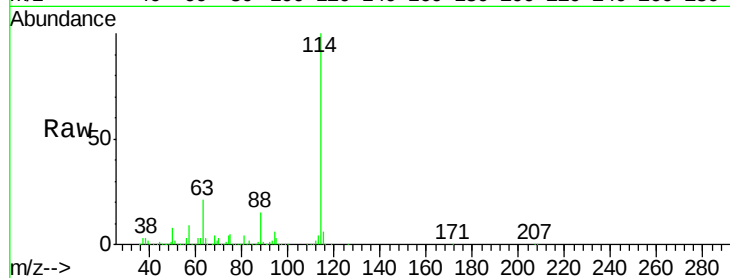
Tot Ion:114 Resp: 502572

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

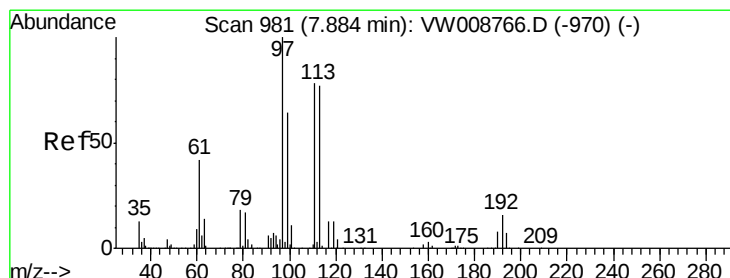
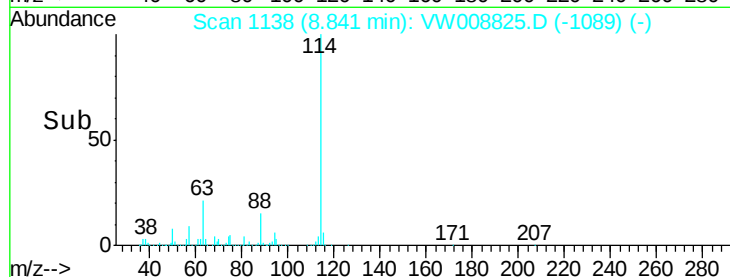
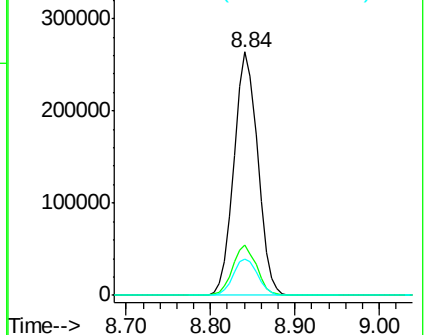
88 14.9 0.0 30.4



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: 50.866 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008825.D

Acq: 26 Feb 2019 12:50

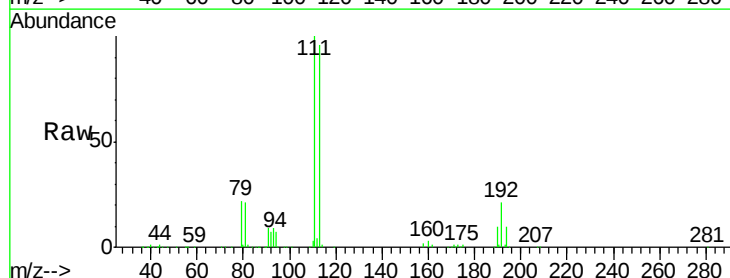
Tgt Ion:113 Resp: 153488

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

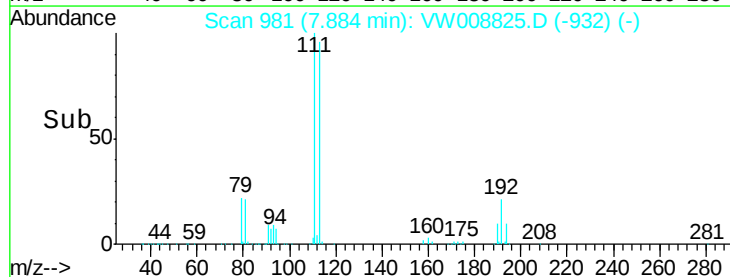
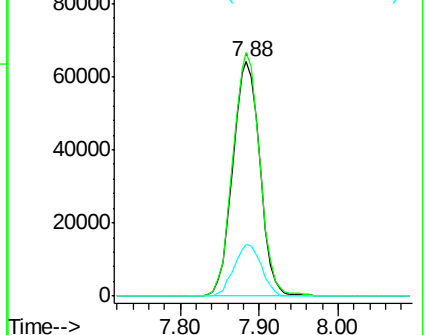
192 22.4 17.1 25.7

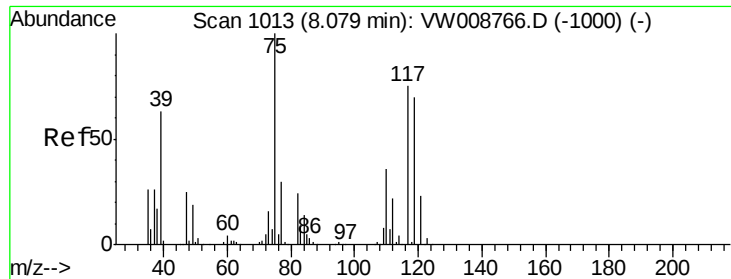


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.896 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008825.D

Acq: 26 Feb 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

R-1ARE

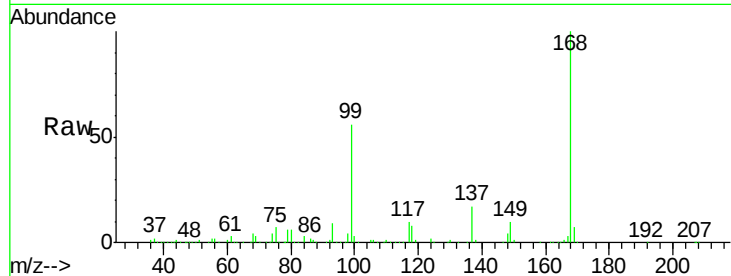
Tot Ion: 75 Resp: 23953

Ion Ratio Lower Upper

75 100

110 10.2 17.5 52.6#

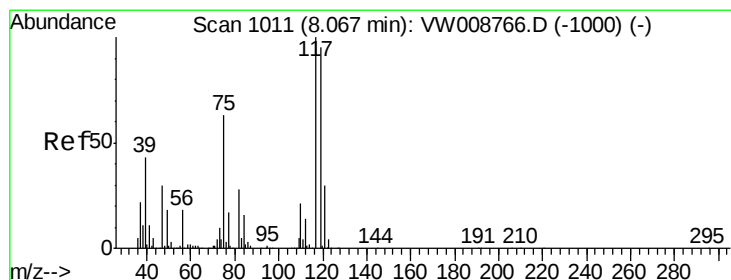
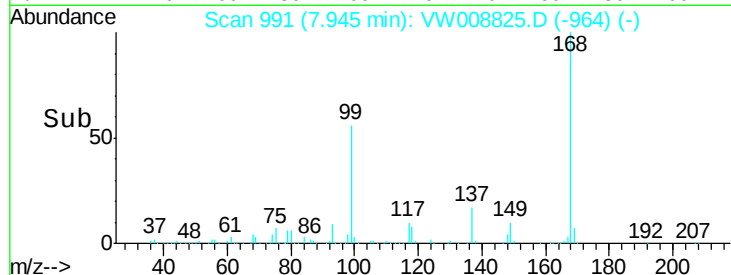
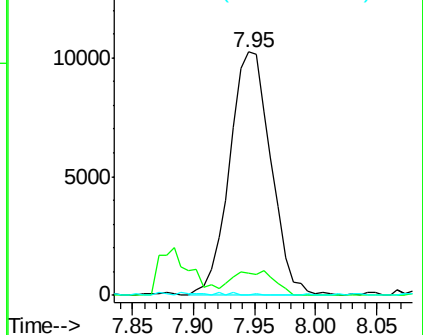
77 0.1 24.5 36.7#



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: 6.029 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008825.D

Acq: 26 Feb 2019 12:50

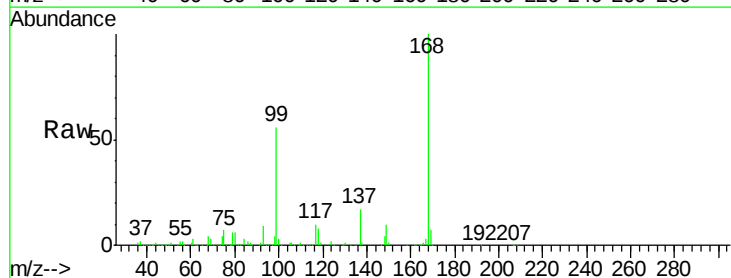
Tgt Ion: 117 Resp: 31107

Ion Ratio Lower Upper

117 100

119 7.5 76.1 114.1#

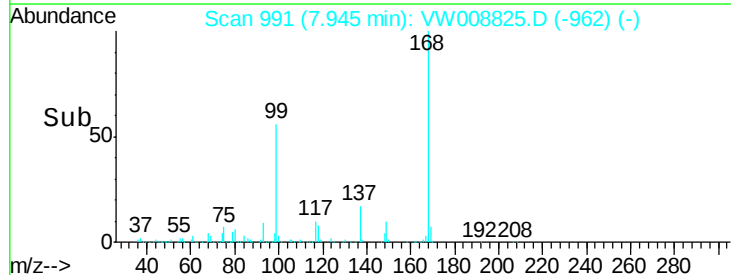
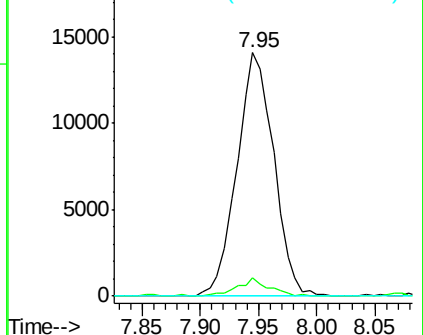
121 0.0 24.0 36.0#

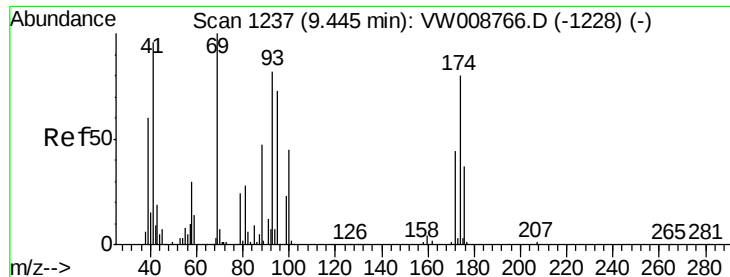


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

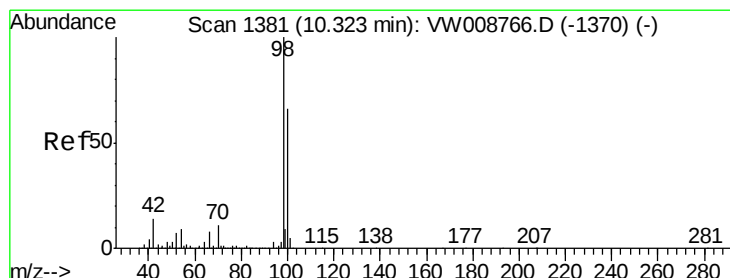
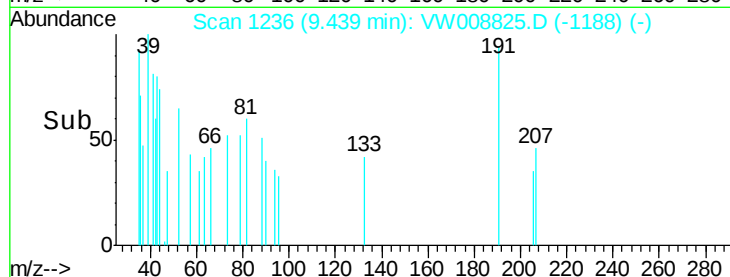
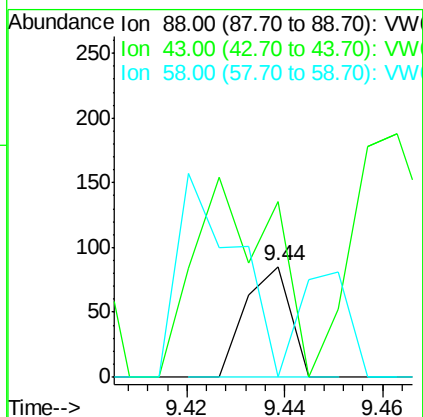
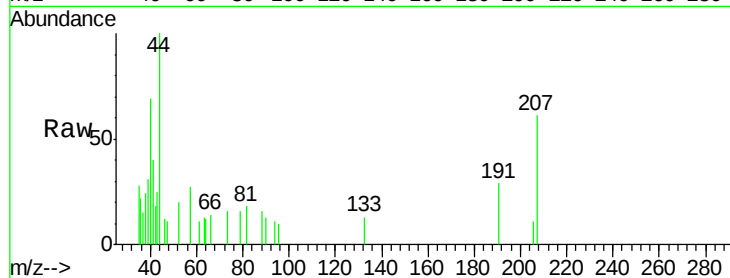




#49
1,4-Dioxane
Concen: 1.837 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008825.D
Acq: 26 Feb 2019 12:50

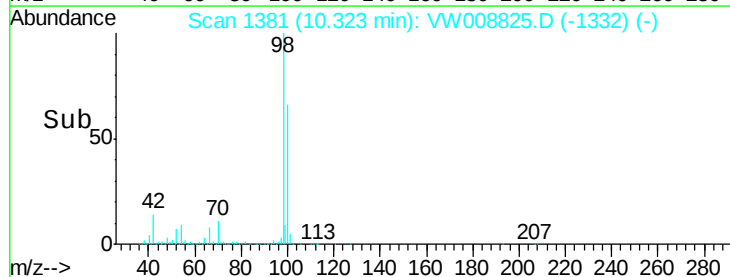
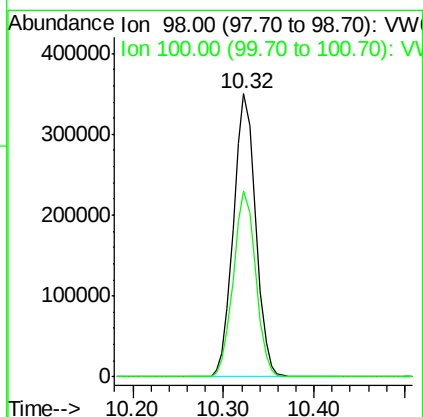
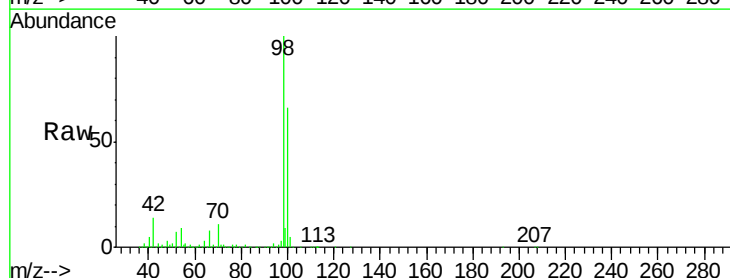
Instrument :
MSVOA_W
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R-1ARE

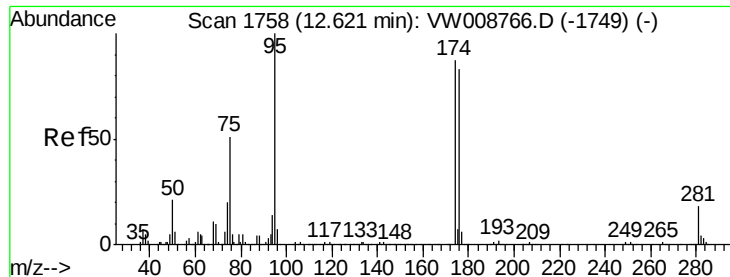
Tot Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 313.0 29.0 43.4#
58 242.6 52.0 78.0#



#50
Toluene-d8
Concen: 51.241 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008825.D
Acq: 26 Feb 2019 12:50

Tgt Ion: 98 Resp: 596874
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 44.409 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008825.D

Acq: 26 Feb 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

R-1ARE

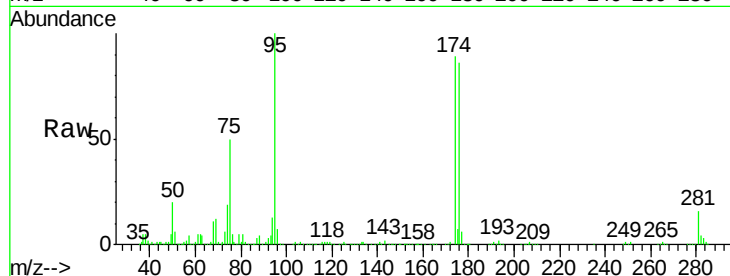
Tot Ion: 95 Resp: 202541

Ion Ratio Lower Upper

95 100

174 86.9 0.0 169.2

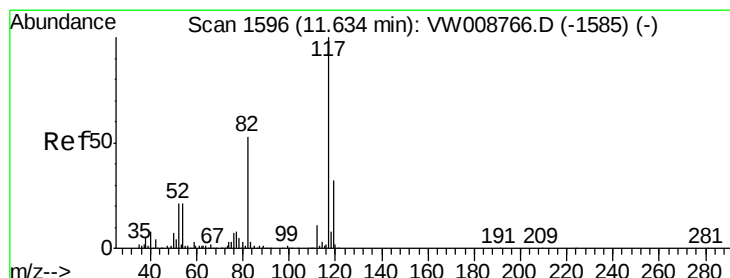
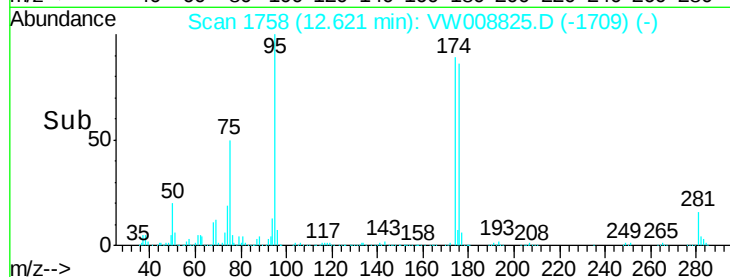
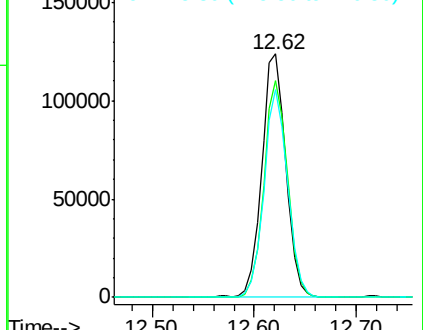
176 83.7 0.0 163.6



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: VW008825.D

Acq: 26 Feb 2019 12:50

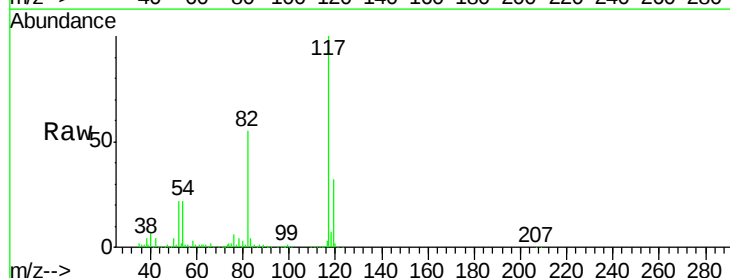
Tgt Ion: 117 Resp: 444577

Ion Ratio Lower Upper

117 100

82 55.2 42.2 63.4

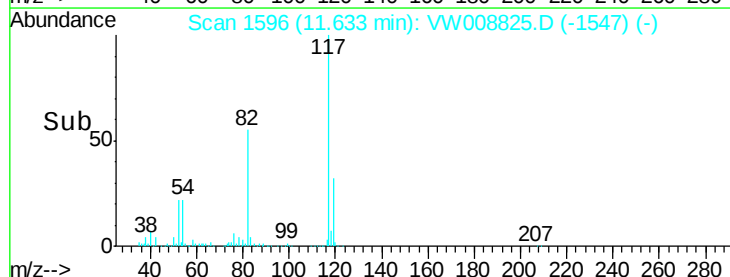
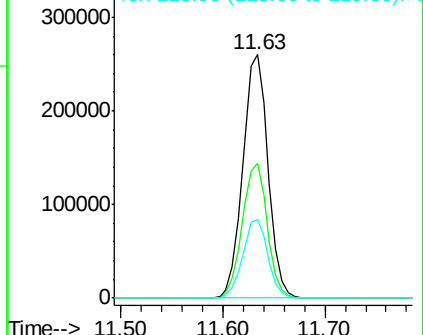
119 32.5 25.9 38.9

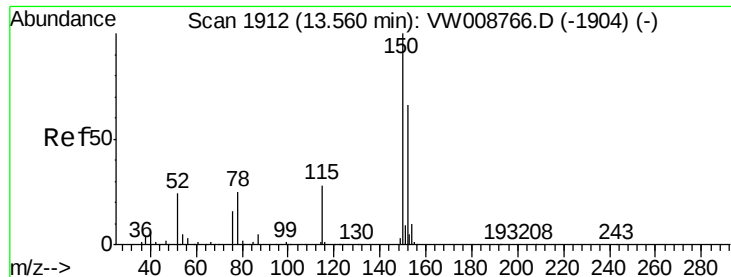


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



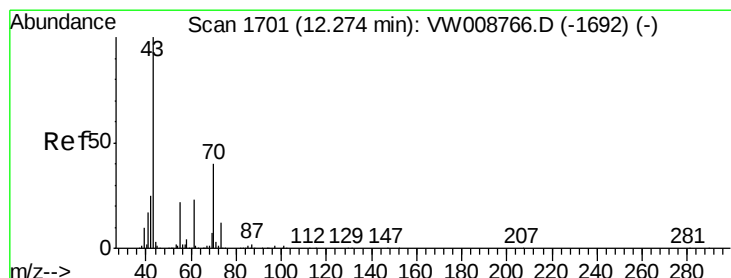
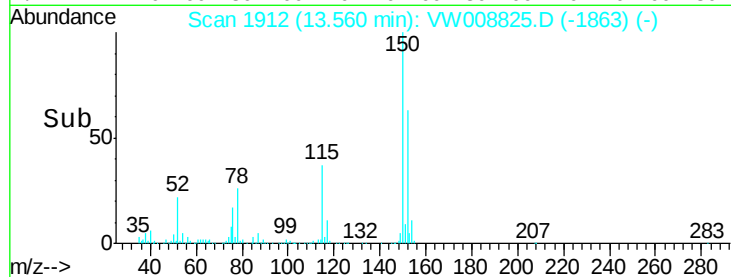
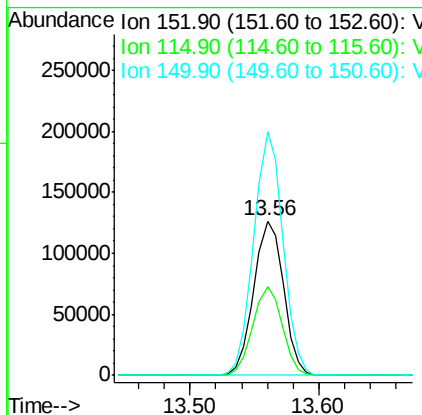
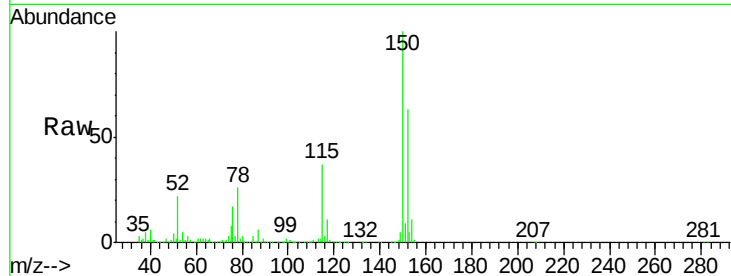


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008825.D
Acq: 26 Feb 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
R-1ARE

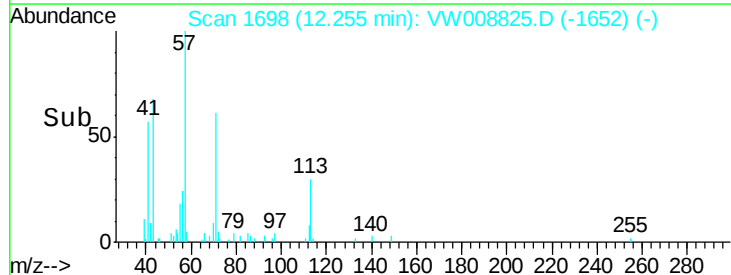
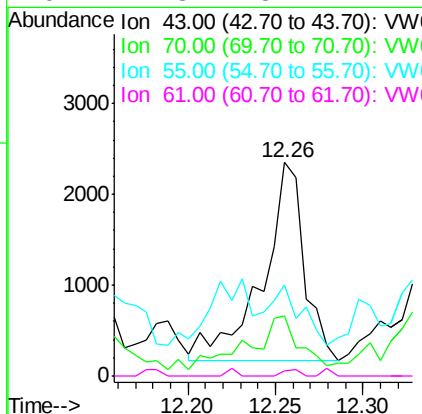
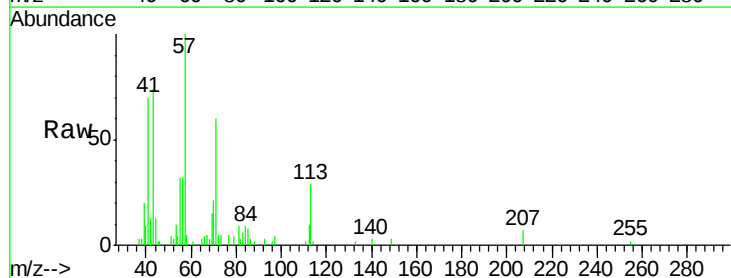
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.6	85.8
150	155.3	0.0	348.0

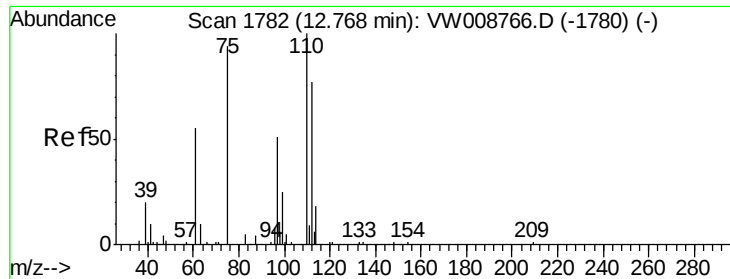


#74

N-ethyl acetate
Concen: 1.047 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW008825.D
Acq: 26 Feb 2019 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.6	31.0	46.6
55	21.0	18.7	28.1
61	1.3	18.1	27.1





#76

1,2,3-Trichloropropane

Concen: 64.352 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008825.D

Acq: 26 Feb 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

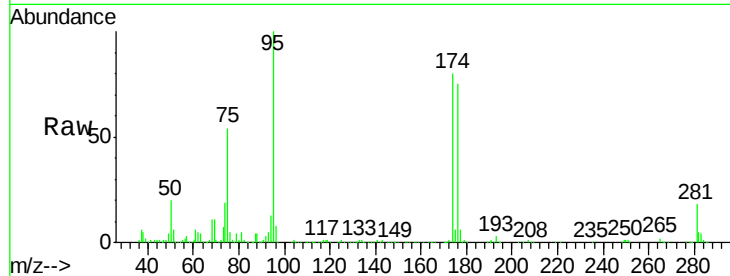
R-1ARE

Tot Ion: 75 Resp: 107084

Ion Ratio Lower Upper

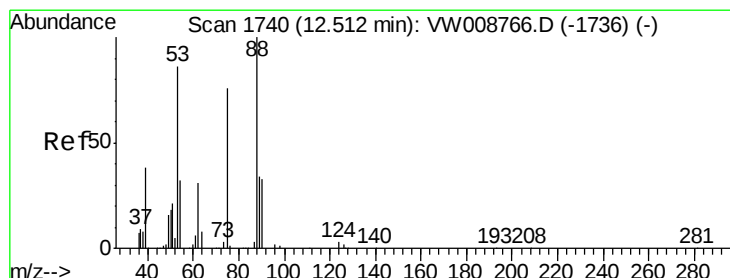
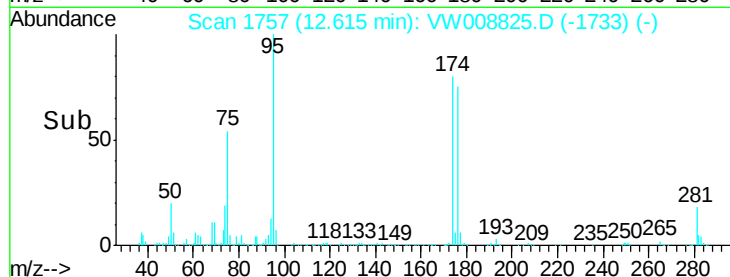
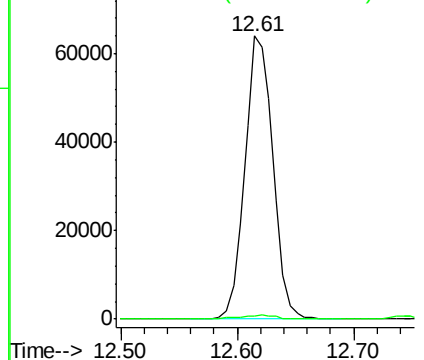
75 100

77 1.8 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: 156.444 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008825.D

Acq: 26 Feb 2019 12:50

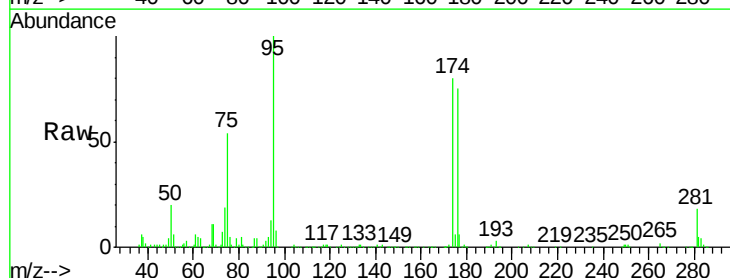
Tgt Ion: 75 Resp: 107084

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

