

Data File : VW008782.D
Acq On : 21 Feb 2019 20:51
Operator : SY/VA
Sample : K1546-13RE
Misc : 3.38G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RT-1495

Quant Time: Feb 22 00:50:32 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	364340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	555924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	486547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229006	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	192790	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	
35) Dibromofluoromethane	7.88	113	175520	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.32	98	657370	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.62	95	220375	43.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.36%	

Target Compounds

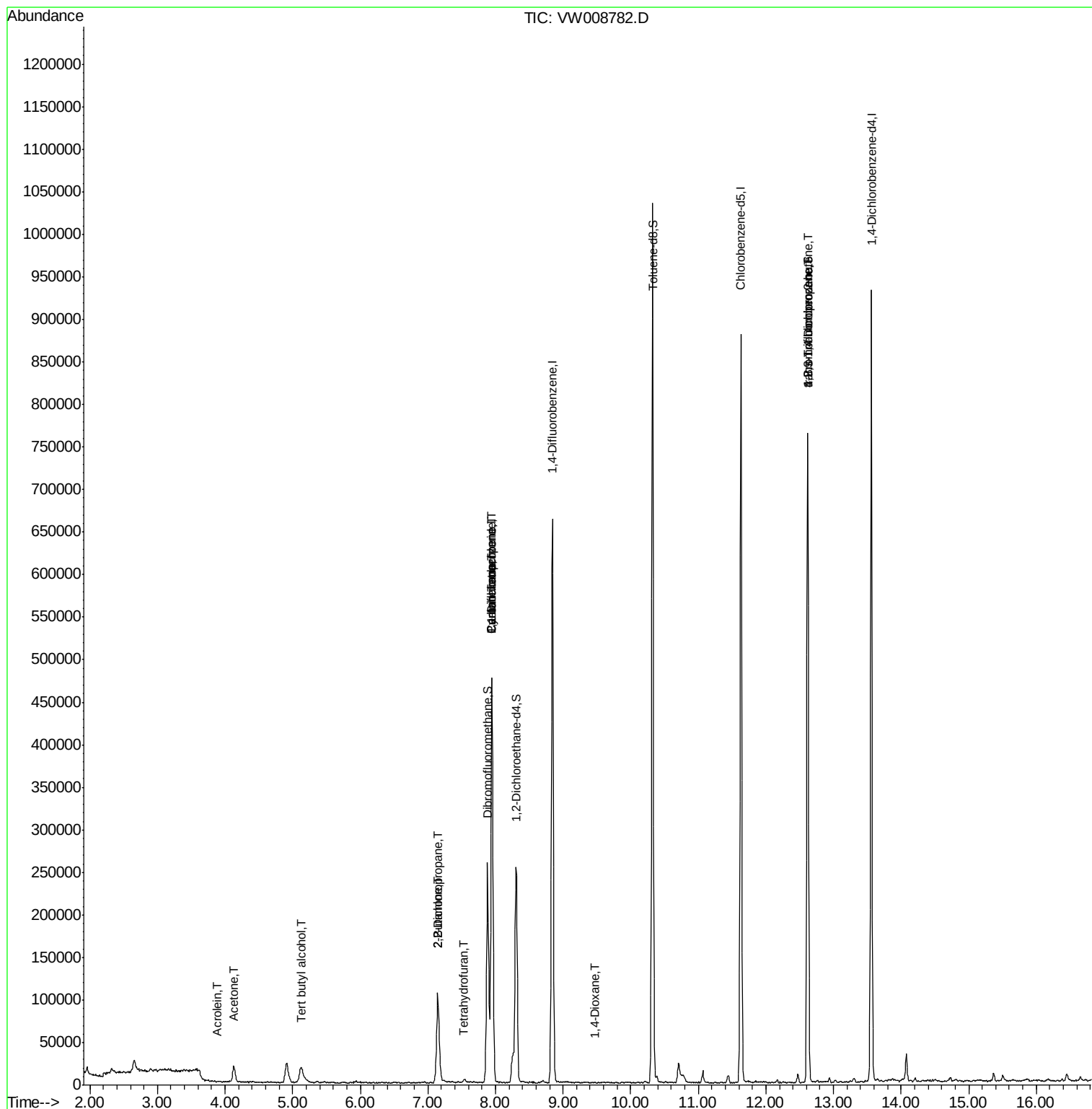
						Qvalue
11) Tert butyl alcohol	5.13	59	21672	71.238	ug/l #	70
13) Acrolein	3.87	56	91	20.041	ug/l #	14
16) Acetone	4.13	43	34388	43.415	ug/l	97
20) Methylene Chloride	4.92	84	18107	Below Cal		97
25) 2-Butanone	7.15	43	7658	6.915	ug/l #	83
26) 2,2-Dichloropropane	7.15	77	6925	1.199	ug/l #	54
29) Tetrahydrofuran	7.54	42	1962	2.780	ug/l #	77
31) Cyclohexane	7.95	56	8280	1.285	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	26603	4.916	ug/l #	52
38) Carbon Tetrachloride	7.95	117	34964	6.126	ug/l #	17
49) 1,4-Dioxane	9.46	88	162	4.981	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	115816	61.254	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	115816	148.913	ug/l #	6

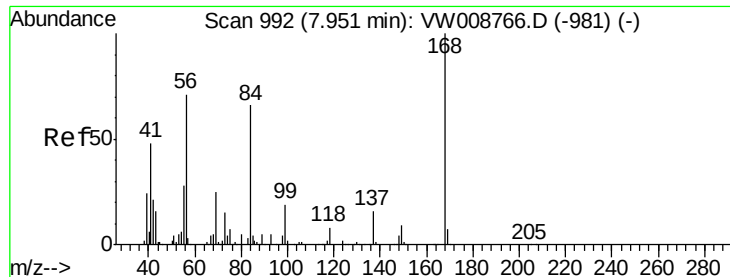
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008782.D

Acq: 21 Feb 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

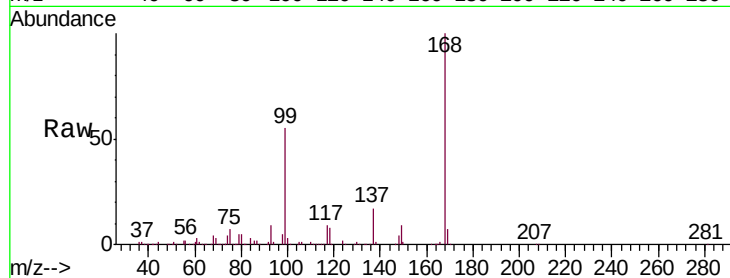
RT-1495

Tgt Ion:168 Resp: 364340

Ion Ratio Lower Upper

168 100

99 54.6 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

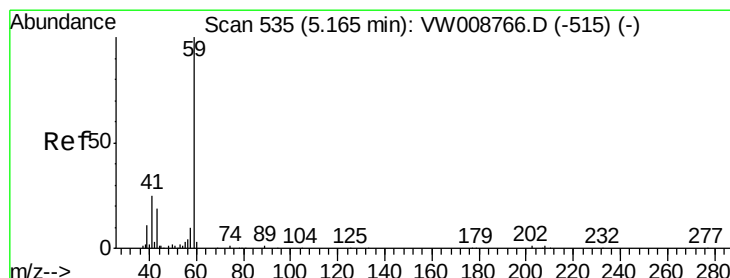
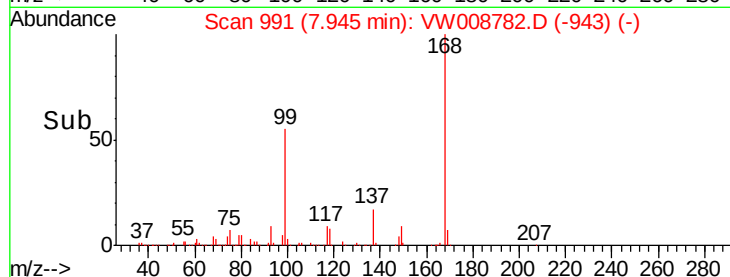
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 71.238 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008782.D

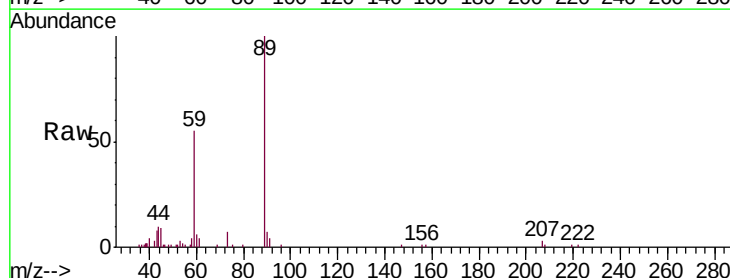
Acq: 21 Feb 2019 20:51

Tgt Ion: 59 Resp: 21672

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

5.13

5000

4000

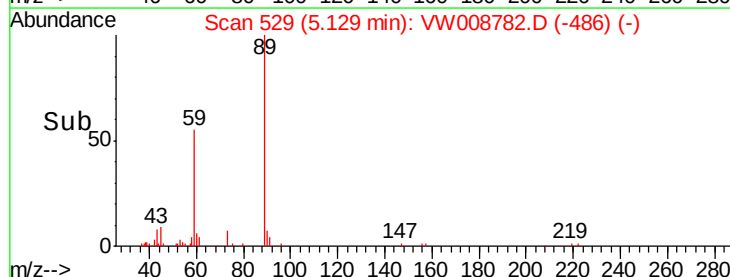
3000

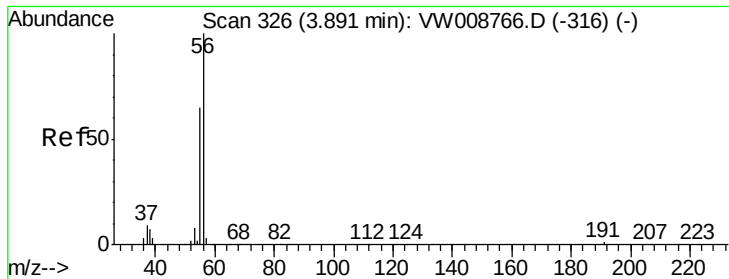
2000

1000

0

Time-->





#13

Acrolein

Concen: 20.041 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW008782.D

Acq: 21 Feb 2019 20:51

Instrument :

MSVOA_W

ClientSampled :

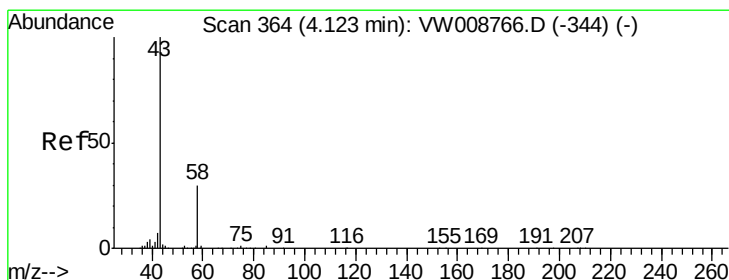
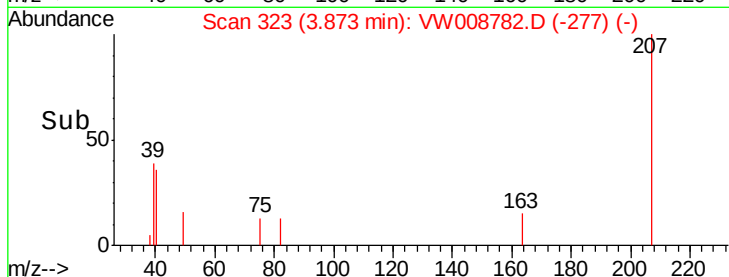
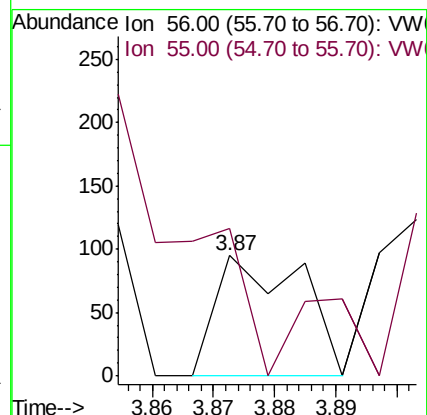
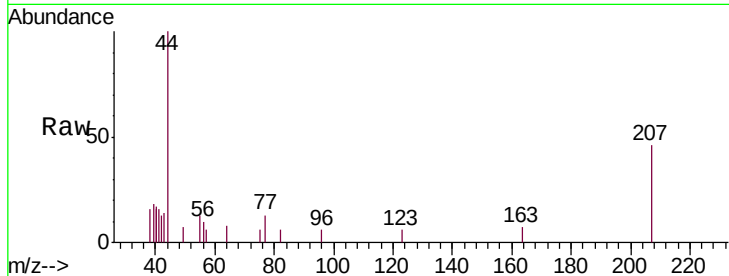
RT-1495

Tgt Ion: 56 Resp: 91

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 43.415 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008782.D

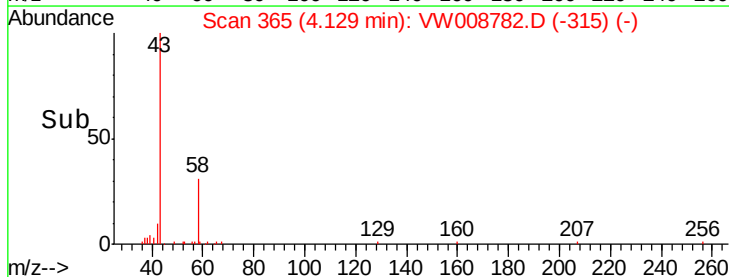
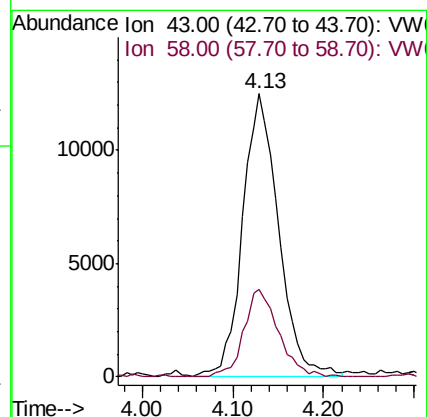
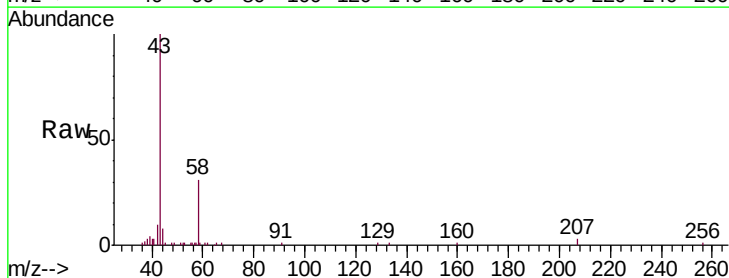
Acq: 21 Feb 2019 20:51

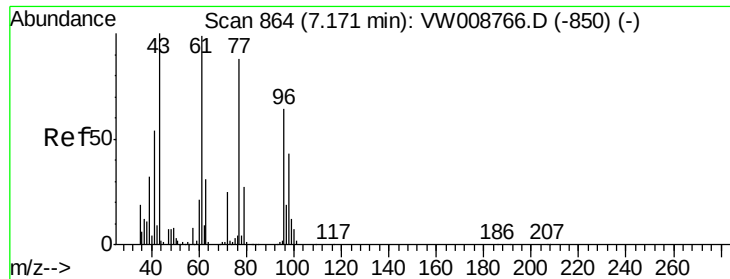
Tgt Ion: 43 Resp: 34388

Ion Ratio Lower Upper

43 100

58 31.1 23.8 35.6





#25

2-Butanone

Concen: 6.915 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008782.D

Acq: 21 Feb 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

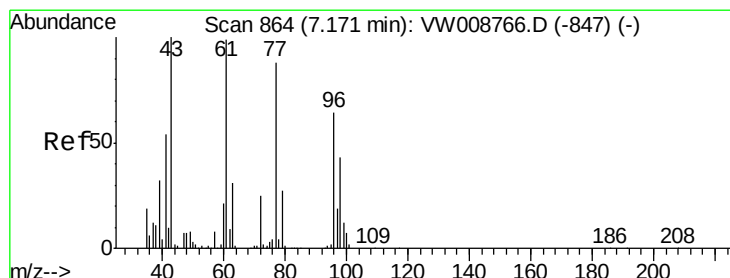
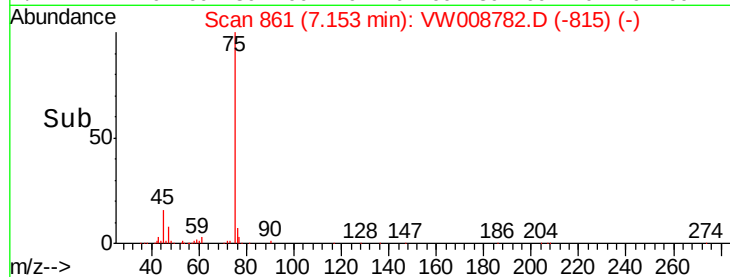
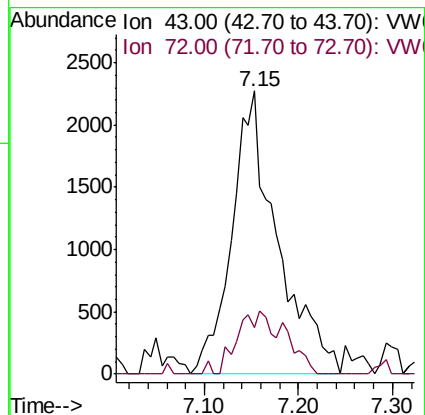
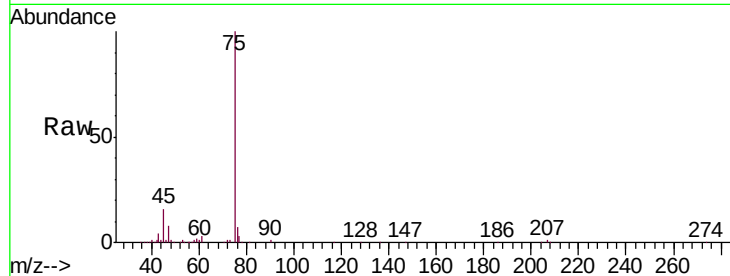
RT-1495

Tgt Ion: 43 Resp: 7658

Ion Ratio Lower Upper

43 100

72 16.2 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.199 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008782.D

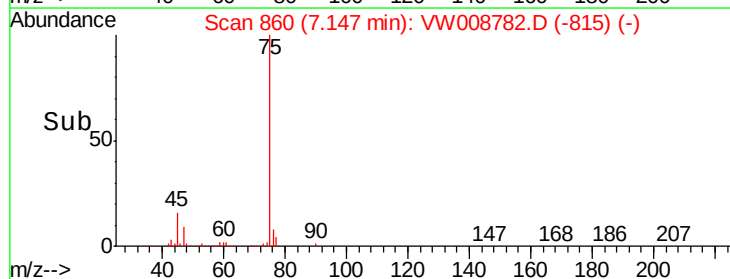
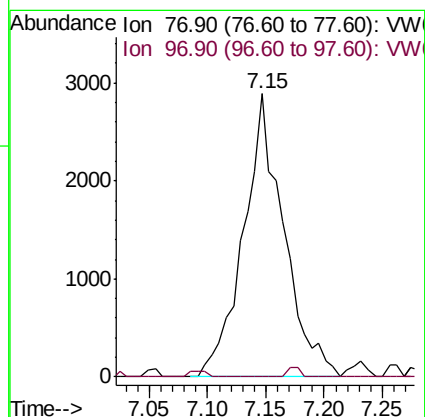
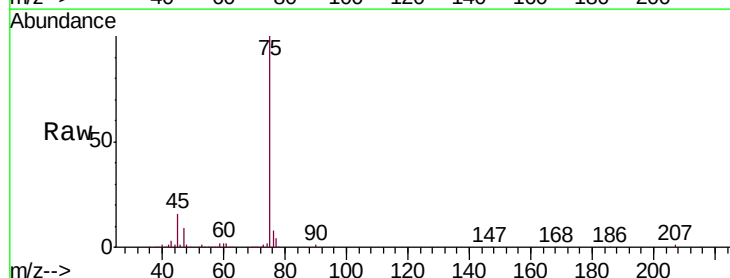
Acq: 21 Feb 2019 20:51

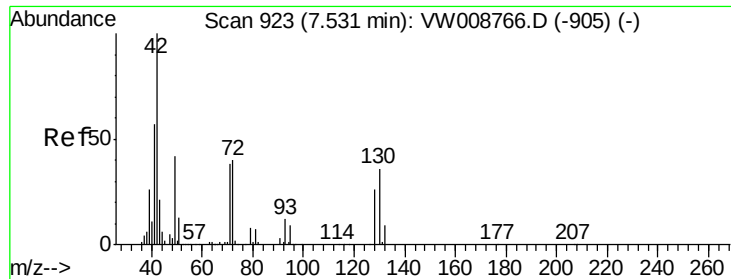
Tgt Ion: 77 Resp: 6925

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

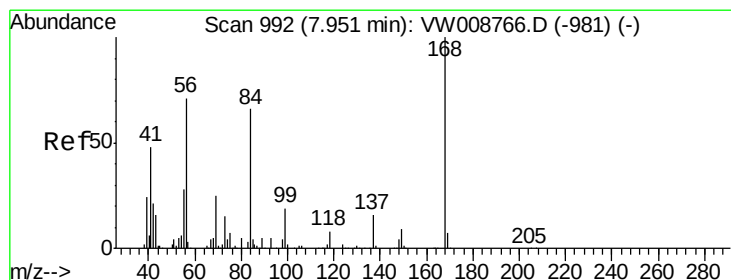
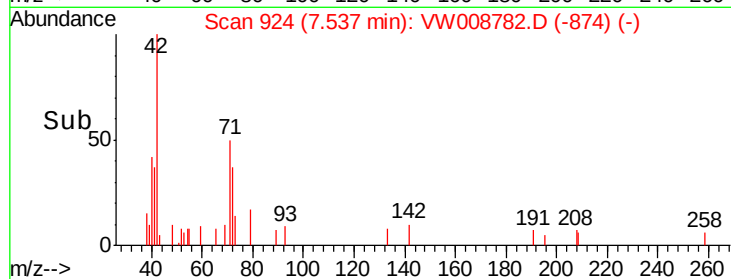
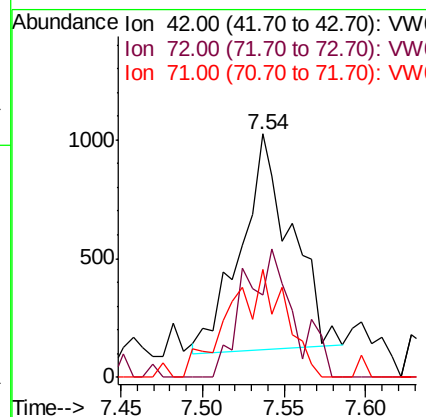
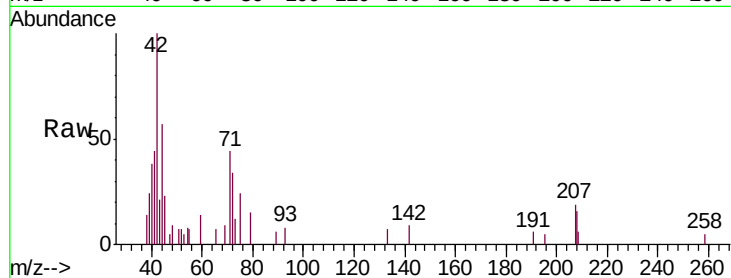




#29
Tetrahydrofuran
Concen: 2.780 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008782.D
Acq: 21 Feb 2019 20:51

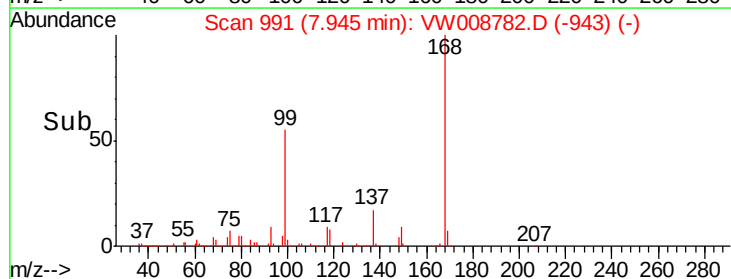
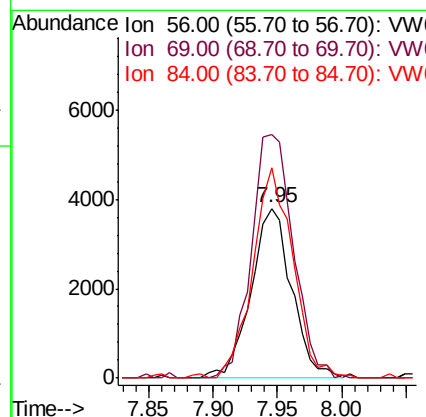
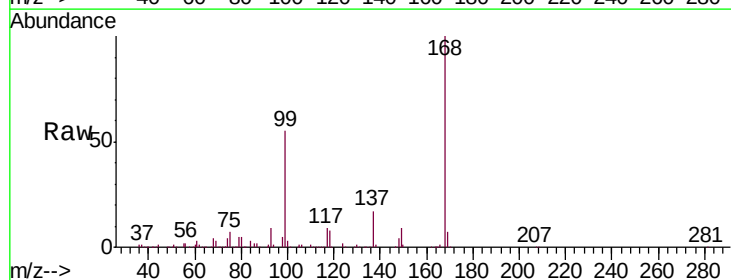
Instrument :
MSVOA_W
ClientSampled :
RT-1495

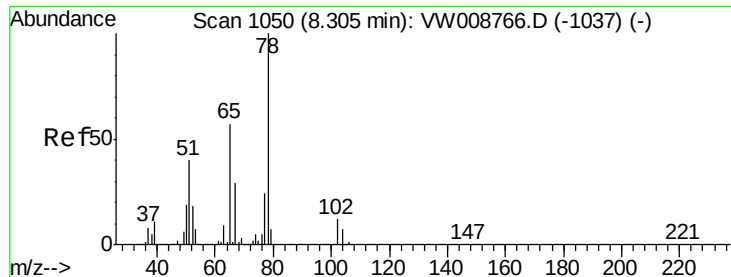
Tgt Ion: 42 Resp: 1962
Ion Ratio Lower Upper
42 100
72 58.6 32.7 49.1#
71 28.1 31.3 46.9#



#31
Cyclohexane
Concen: 1.285 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008782.D
Acq: 21 Feb 2019 20:51

Tgt Ion: 56 Resp: 8280
Ion Ratio Lower Upper
56 100
69 143.3 28.2 42.4#
84 122.7 74.1 111.1#

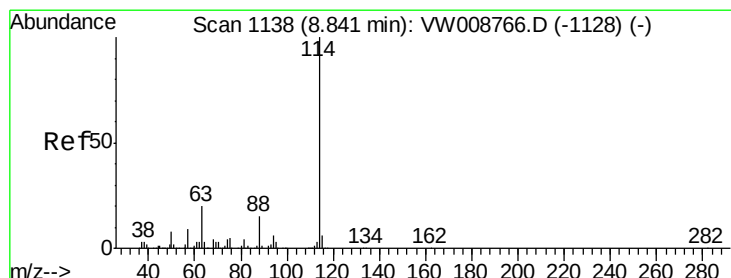
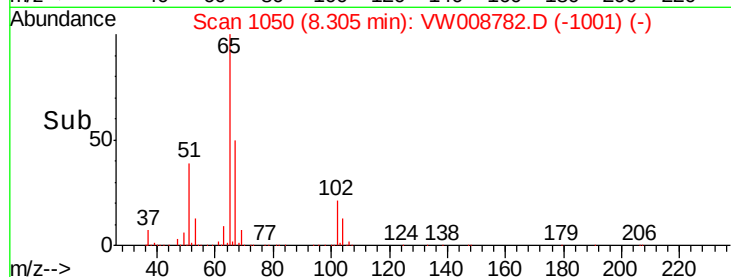
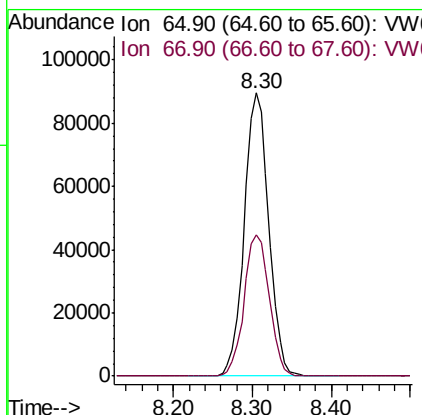
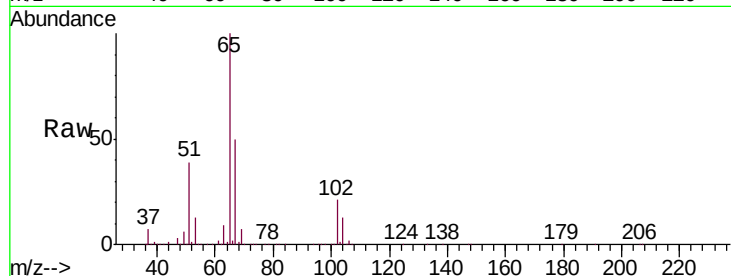




#33
 1,2-Dichloroethane-d4
 Concen: 56.418 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008782.D
 Acq: 21 Feb 2019 20:51

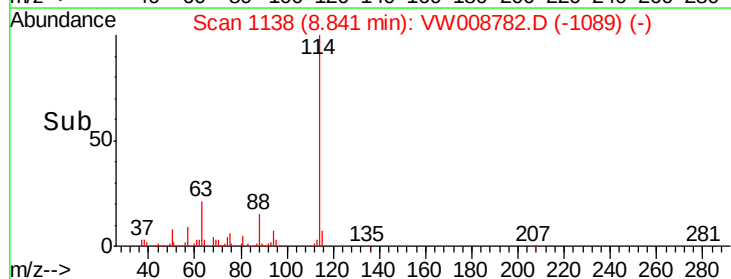
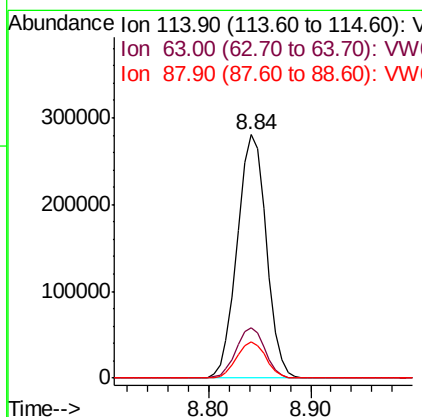
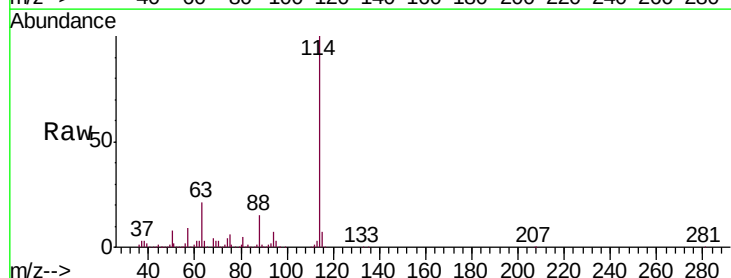
Instrument :
 MSVOA_W
 ClientSampled :
 RT-1495

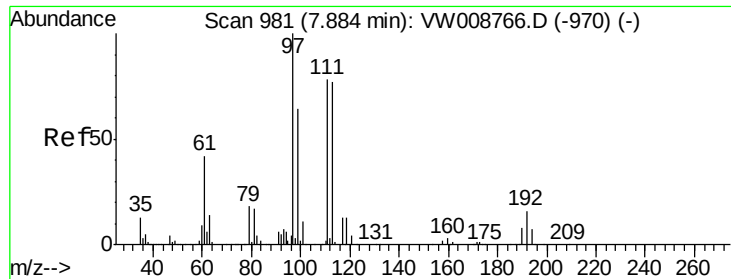
Tgt Ion: 65 Resp: 192790
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008782.D
 Acq: 21 Feb 2019 20:51

Tgt Ion: 114 Resp: 555924
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.585 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008782.D

Acq: 21 Feb 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
RT-1495

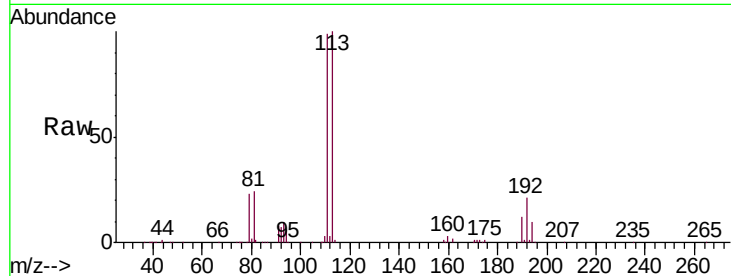
Tgt Ion:113 Resp: 175520

Ion Ratio Lower Upper

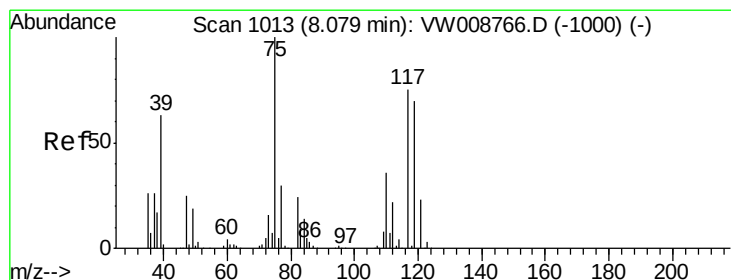
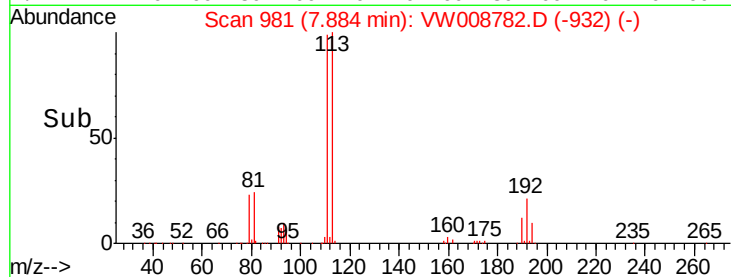
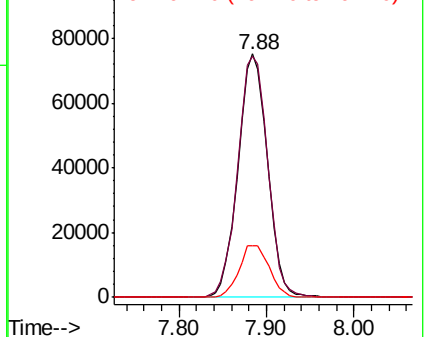
113 100

111 101.4 81.9 122.9

192 21.8 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: 4.916 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008782.D

Acq: 21 Feb 2019 20:51

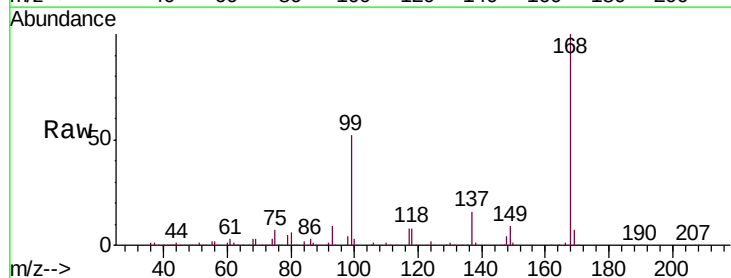
Tgt Ion: 75 Resp: 26603

Ion Ratio Lower Upper

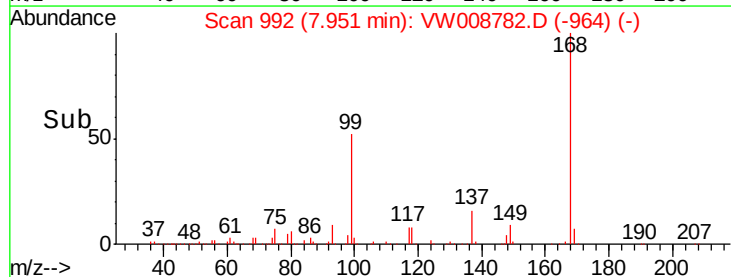
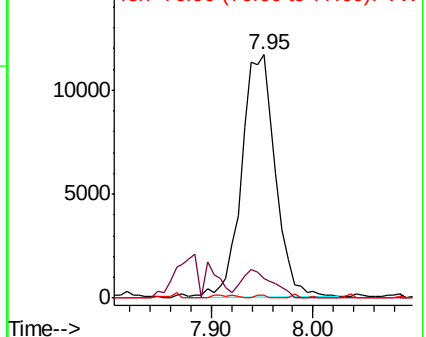
75 100

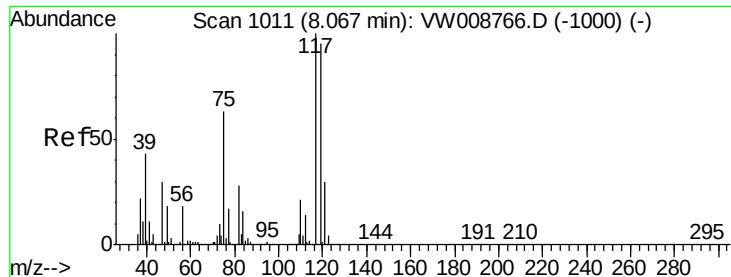
110 10.5 17.5 52.6#

77 0.3 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: 6.126 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008782.D

Acq: 21 Feb 2019 20:51

Instrument :

MSVOA_W

ClientSampled :

RT-1495

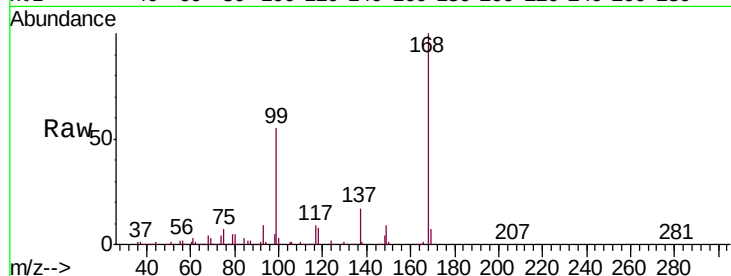
Tgt Ion:117 Resp: 34964

Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

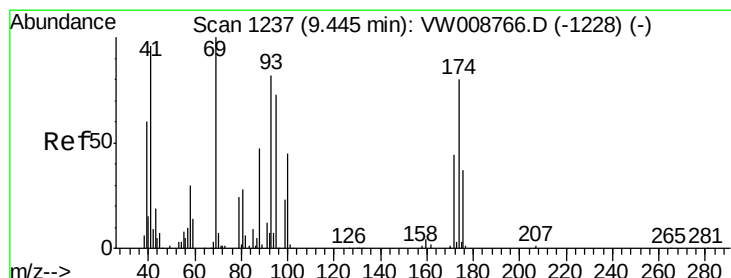
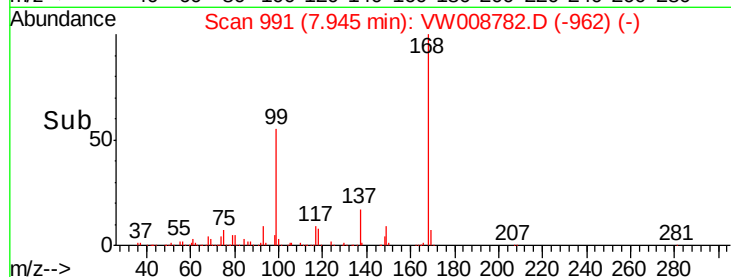
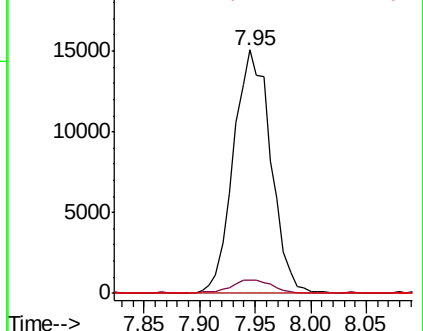
121 0.0 24.0 36.0#



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: 4.981 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008782.D

Acq: 21 Feb 2019 20:51

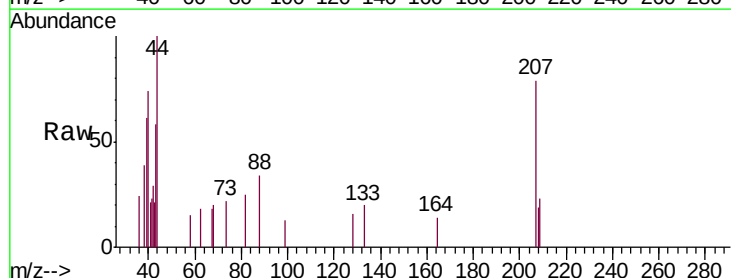
Tgt Ion: 88 Resp: 162

Ion Ratio Lower Upper

88 100

43 268.5 29.0 43.4#

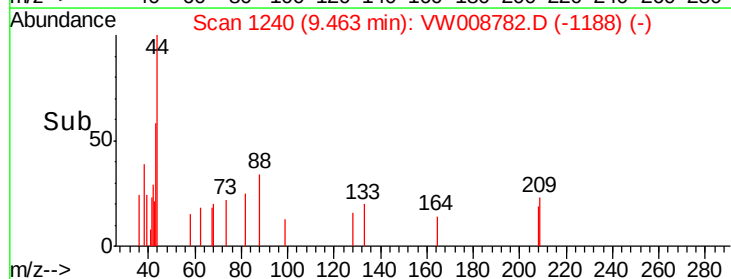
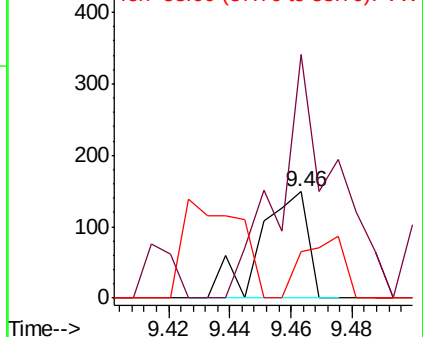
58 50.6 52.0 78.0#

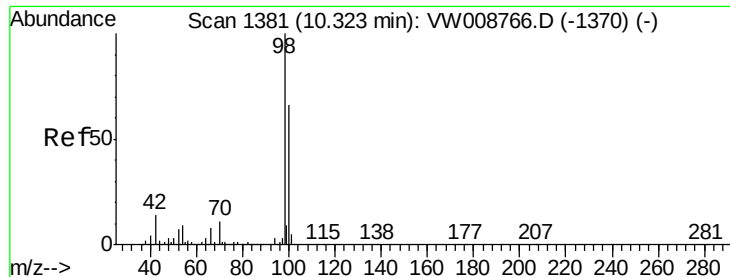


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.018 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008782.D

Acq: 21 Feb 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

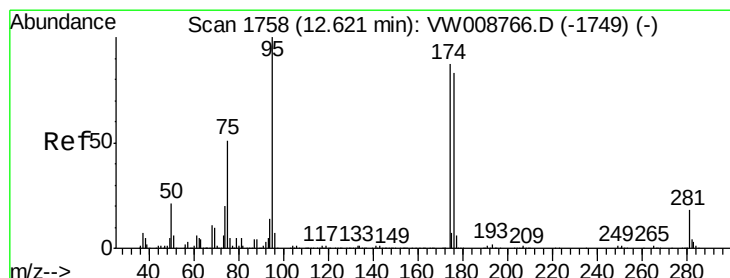
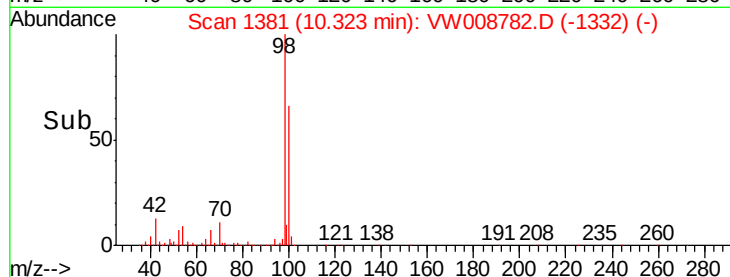
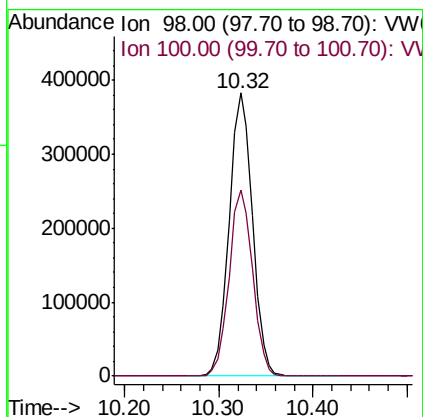
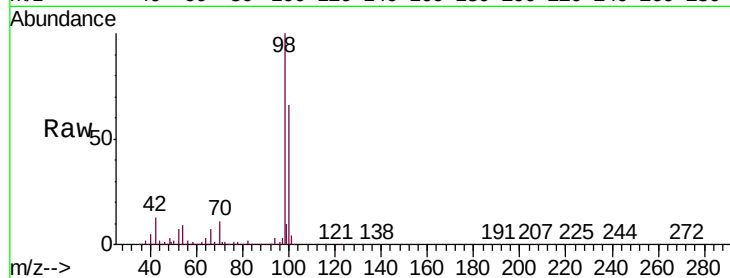
RT-1495

Tgt Ion: 98 Resp: 657370

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 43.682 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008782.D

Acq: 21 Feb 2019 20:51

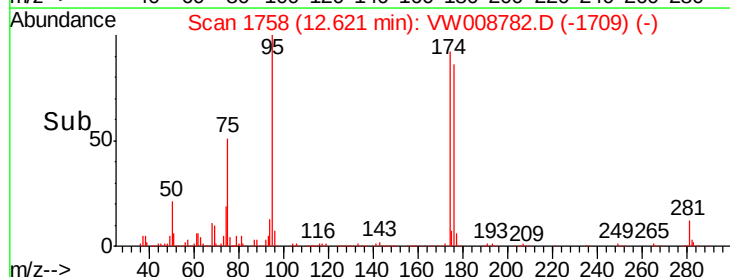
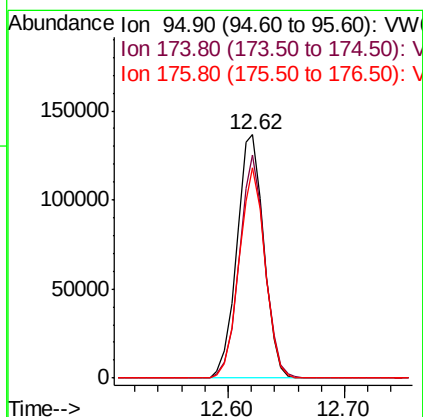
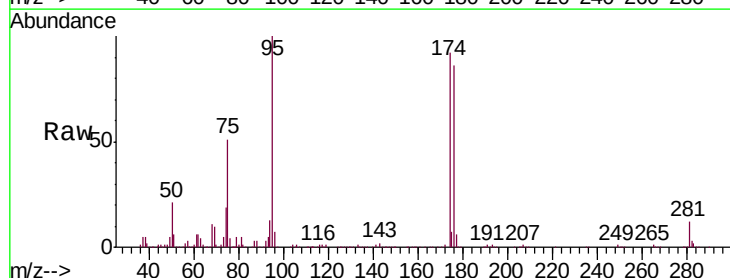
Tgt Ion: 95 Resp: 220375

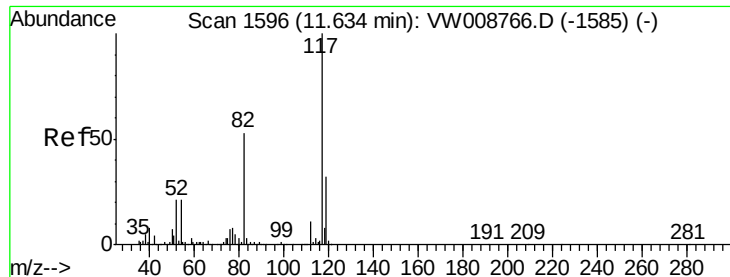
Ion Ratio Lower Upper

95 100

174 86.6 0.0 169.2

176 83.4 0.0 163.6

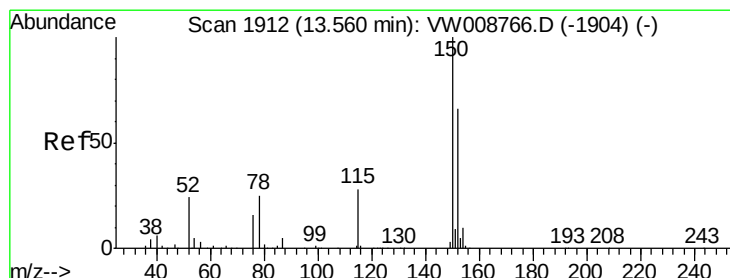
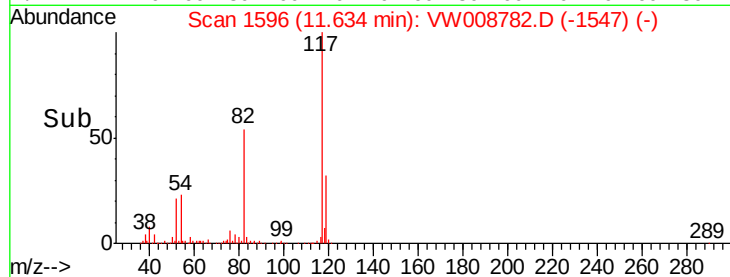
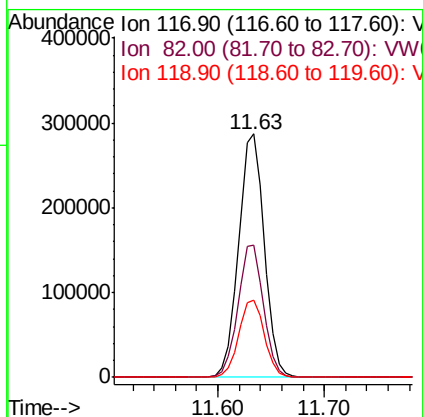
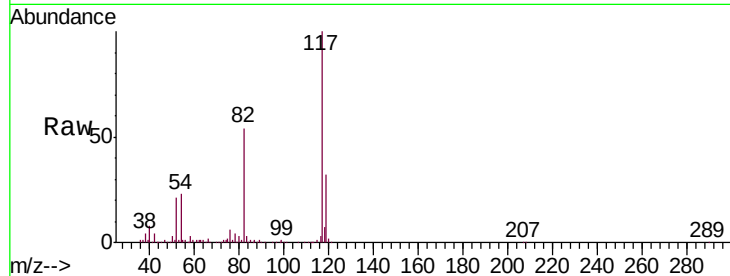




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008782.D
Acq: 21 Feb 2019 20:51

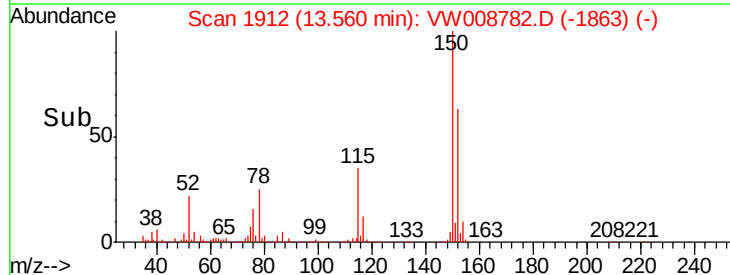
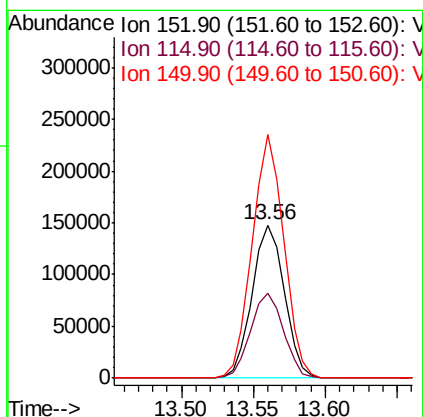
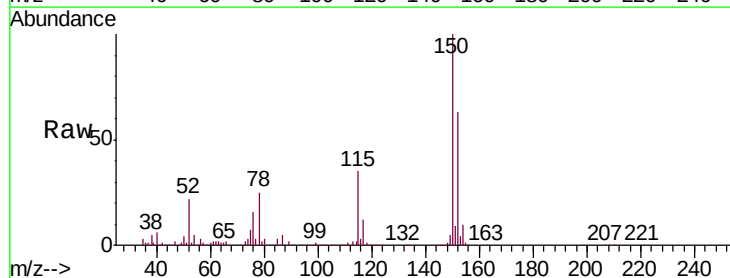
Instrument :
MSVOA_W
ClientSampleId :
RT-1495

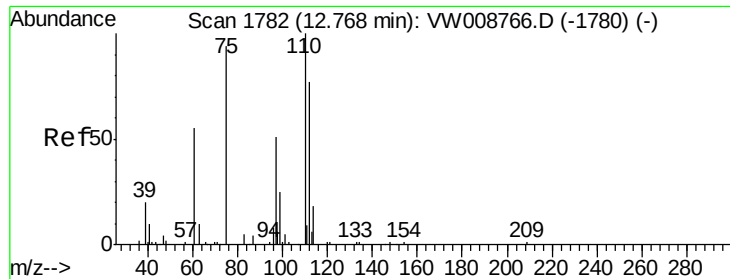
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.2	63.4
119	31.9	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008782.D
Acq: 21 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.6	85.8
150	156.2	0.0	348.0

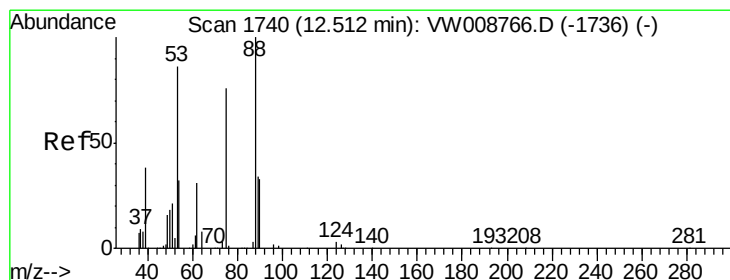
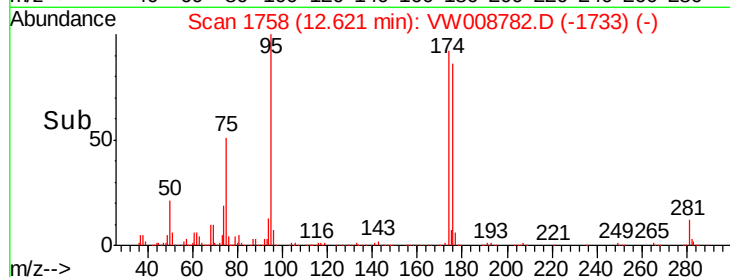
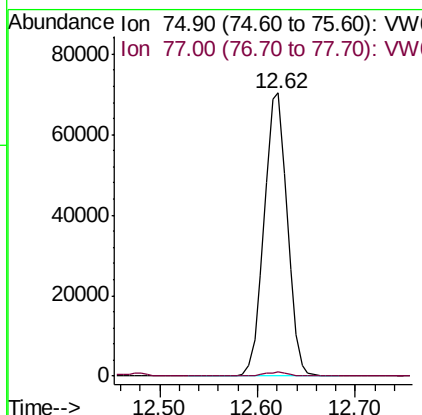
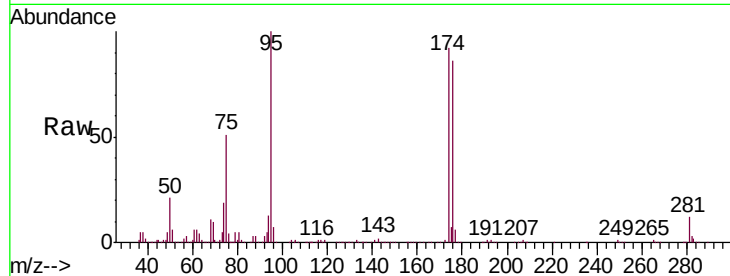




#76
 1,2,3-Trichloropropane
 Concen: 61.254 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008782.D
 Acq: 21 Feb 2019 20:51

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1495

Tgt Ion: 75 Resp: 115816
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.913 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008782.D
 Acq: 21 Feb 2019 20:51

Tgt Ion: 75 Resp: 115816
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.2 132.2#
 89 0.1 39.5 59.3#

