

Data File : VW008942.D
Acq On : 02 Mar 2019 01:59
Operator : SY/VA
Sample : K1675-37
Misc : 4.93G/5ML/MSVOA_W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z-3-14-A

Quant Time: Mar 02 05:11:48 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	318795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	486610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	432648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	198204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	177567	59.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.78%	
35) Dibromofluoromethane	7.88	113	151743	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.32	98	583613	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	198852	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds

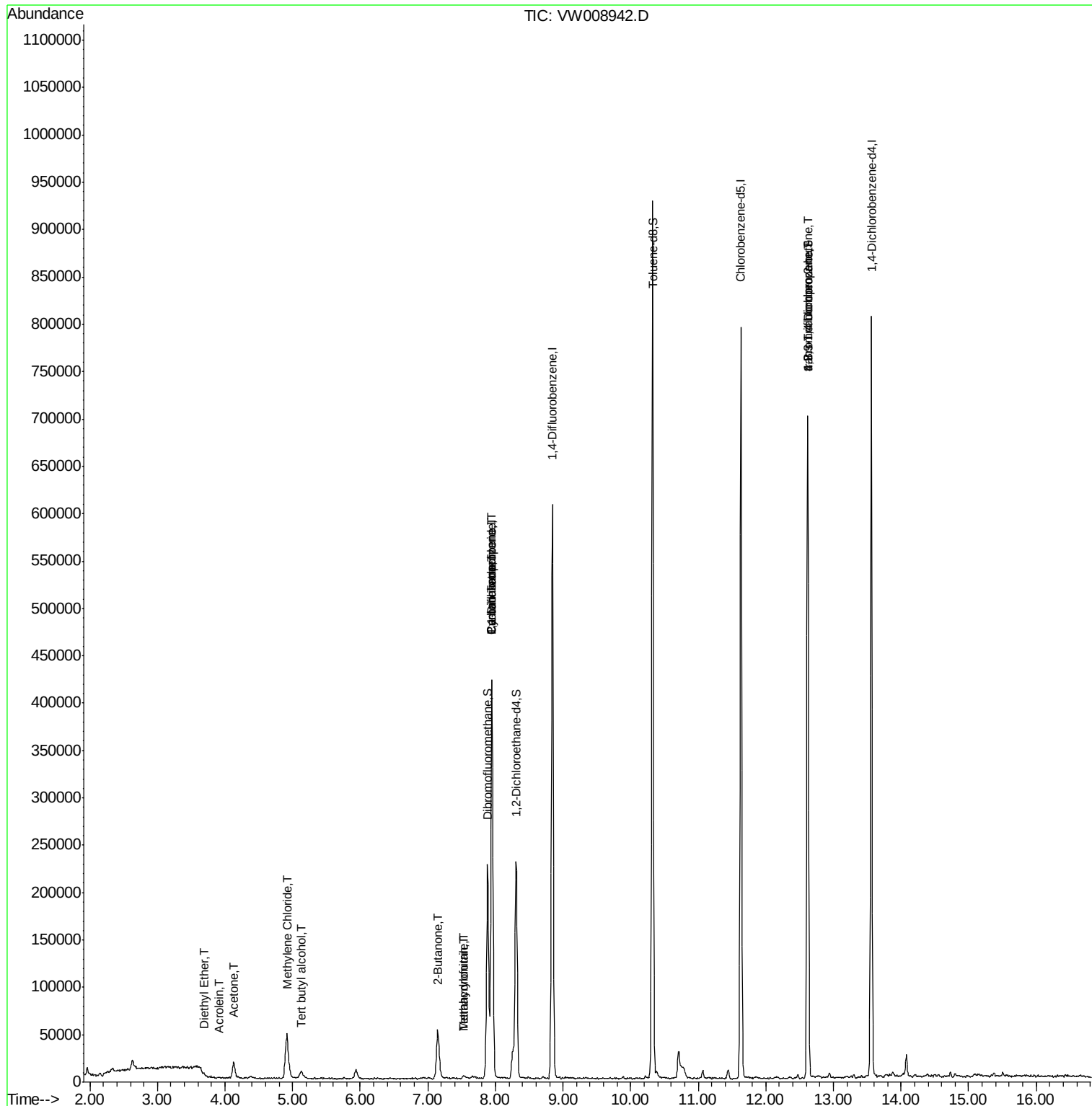
						Qvalue
8) Diethyl Ether	3.69	74	1679	1.019	ug/l	72
11) Tert butyl alcohol	5.12	59	7078	26.590	ug/l #	73
13) Acrolein	3.92	56	362	20.967	ug/l #	14
16) Acetone	4.13	43	29731	42.898	ug/l	96
20) Methylene Chloride	4.92	84	34571	5.588	ug/l	97
25) 2-Butanone	7.16	43	3971	4.098	ug/l #	78
29) Tetrahydrofuran	7.54	42	1932	3.129	ug/l #	84
31) Cyclohexane	7.95	56	7218	1.280	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	23838	5.032	ug/l #	52
38) Carbon Tetrachloride	7.95	117	31402	6.286	ug/l #	17
41) Methacrylonitrile	7.53	41	1707	1.318	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	106089	64.829	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	106089	157.605	ug/l #	6

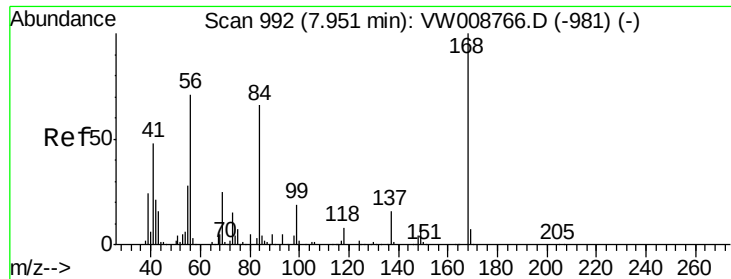
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008942.D

Acq: 02 Mar 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

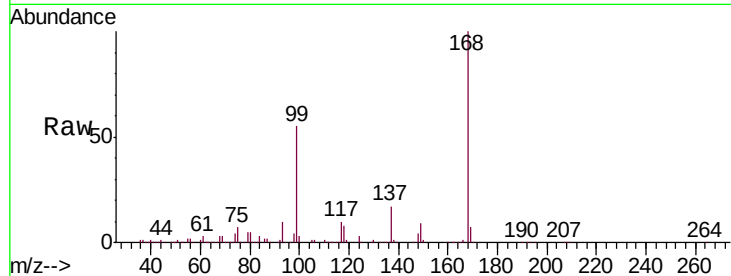
Z-3-14-A

Tgt Ion:168 Resp: 318795

Ion Ratio Lower Upper

168 100

99 55.1 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

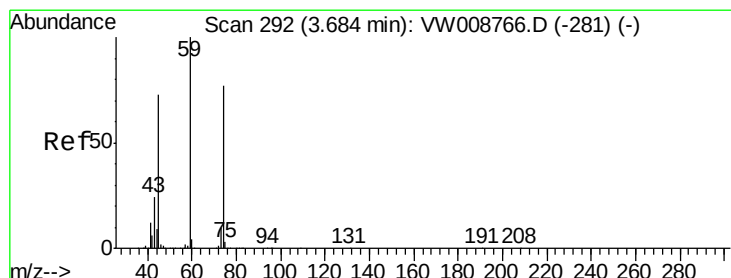
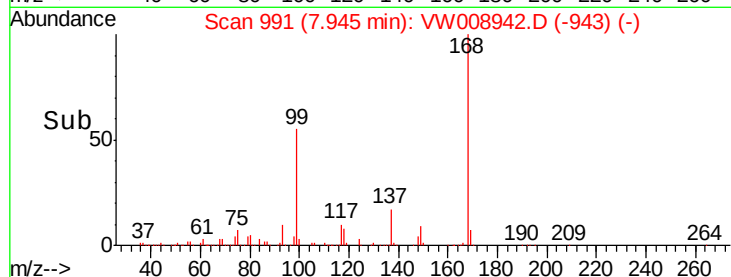
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.019 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008942.D

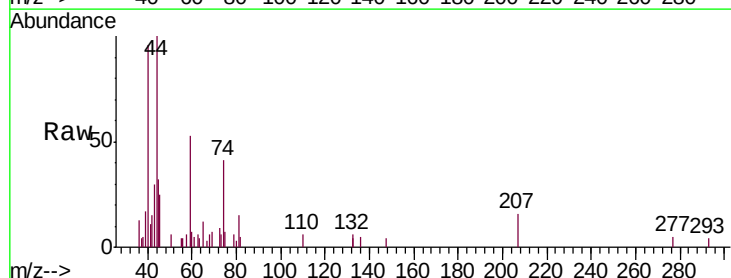
Acq: 02 Mar 2019 01:59

Tgt Ion: 74 Resp: 1679

Ion Ratio Lower Upper

74 100

45 128.7 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

1000

800

600

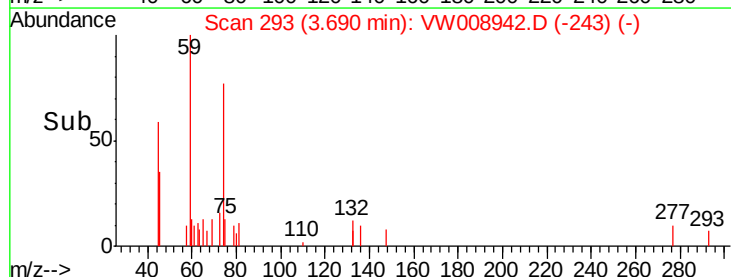
400

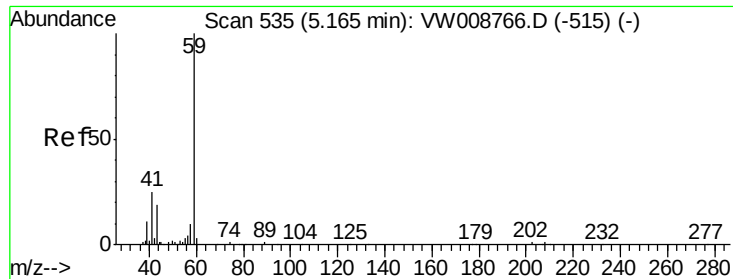
200

0

3.60 3.65 3.70 3.75

Time-->

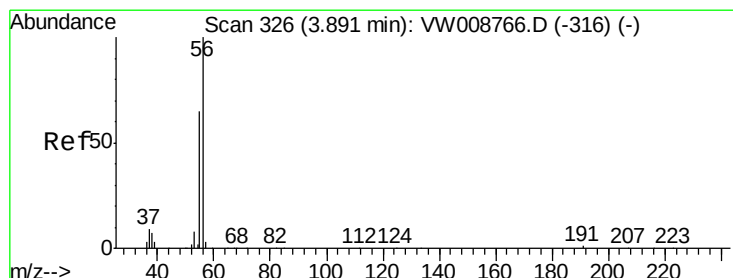
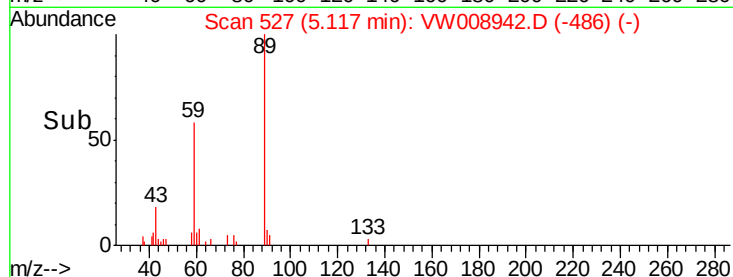
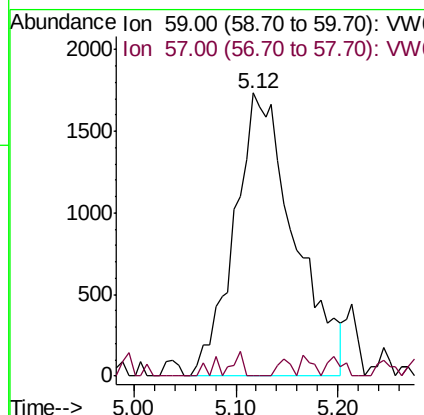
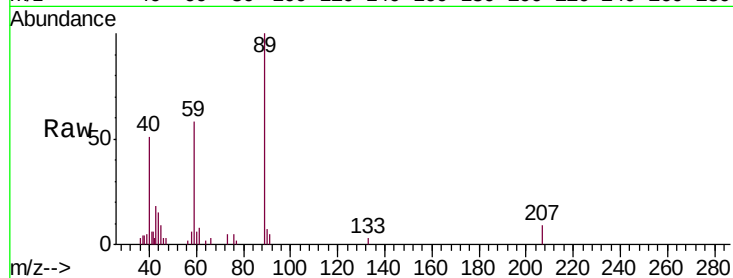




#11
Tert butyl alcohol
Concen: 26.590 ug/l
RT: 5.12 min Scan# 527
Delta R.T. -0.05 min
Lab File: VW008942.D
Acq: 02 Mar 2019 01:59

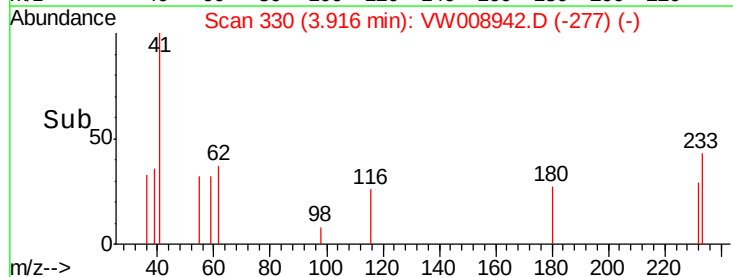
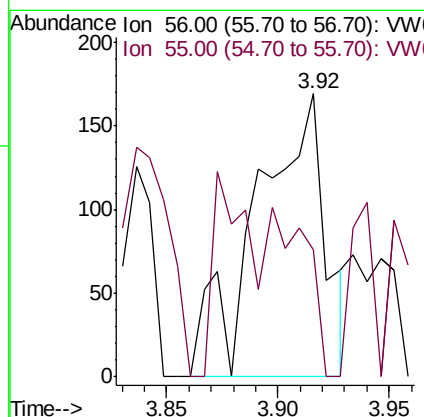
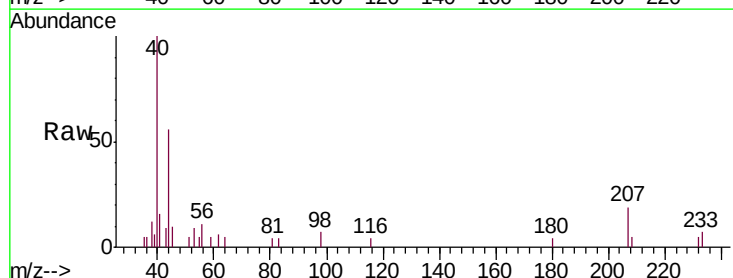
Instrument :
MSVOA_W
ClientSampled :
Z-3-14-A

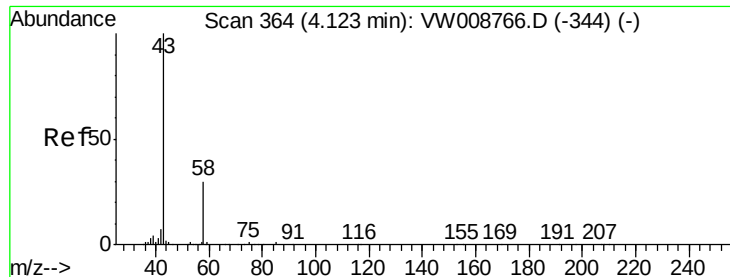
Tgt Ion: 59 Resp: 7078
Ion Ratio Lower Upper
59 100
57 1.4 9.3 13.9#



#13
Acrolein
Concen: 20.967 ug/l
RT: 3.92 min Scan# 330
Delta R.T. 0.02 min
Lab File: VW008942.D
Acq: 02 Mar 2019 01:59

Tgt Ion: 56 Resp: 362
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#16

Acetone

Concen: 42.898 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008942.D

Acq: 02 Mar 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

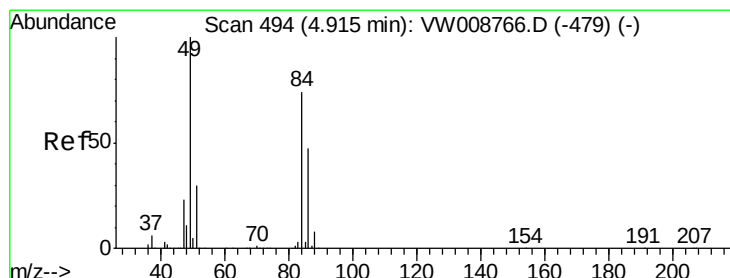
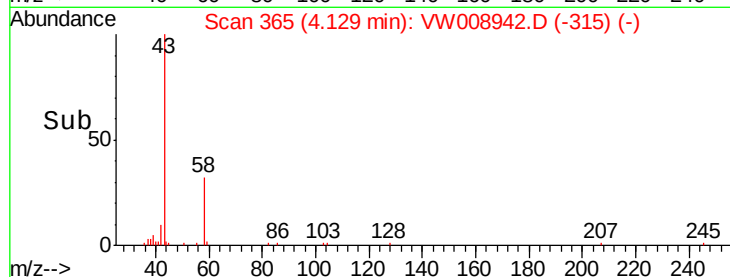
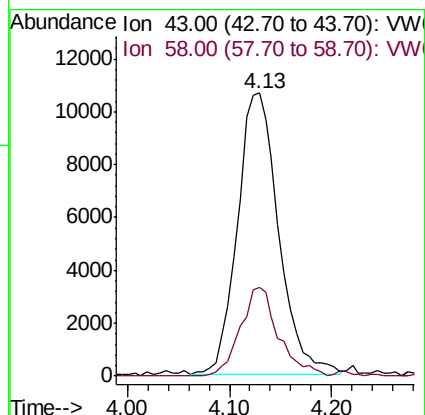
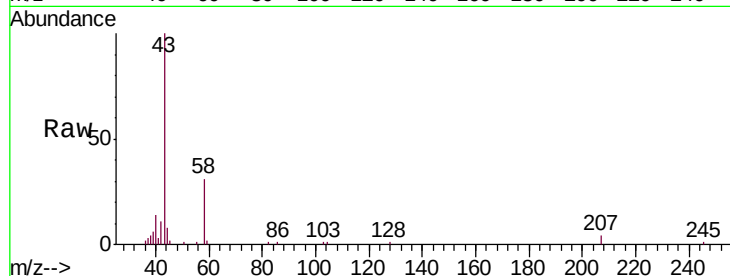
Z-3-14-A

Tgt Ion: 43 Resp: 29731

Ion Ratio Lower Upper

43 100

58 31.7 23.8 35.6



#20

Methylene Chloride

Concen: 5.588 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008942.D

Acq: 02 Mar 2019 01:59

Tgt Ion: 84 Resp: 34571

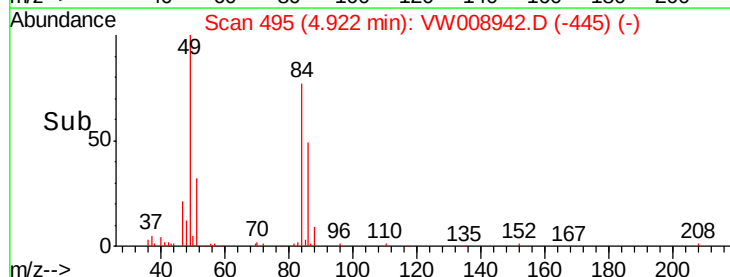
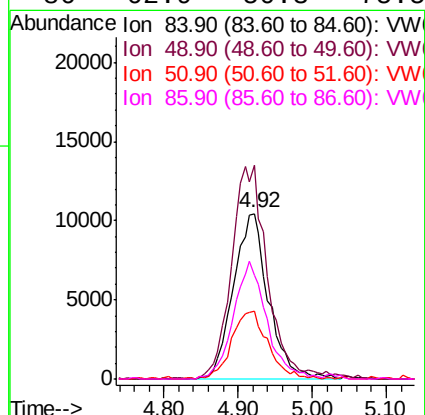
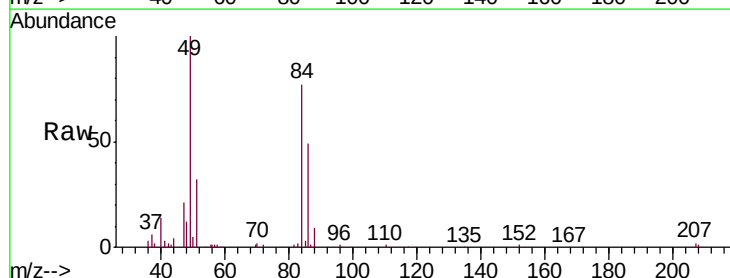
Ion Ratio Lower Upper

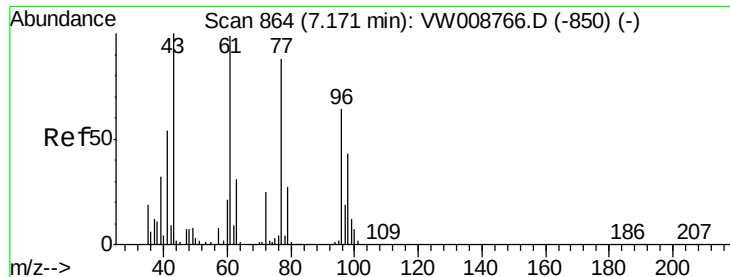
84 100

49 128.8 108.2 162.2

51 40.4 32.7 49.1

86 62.9 50.3 75.5

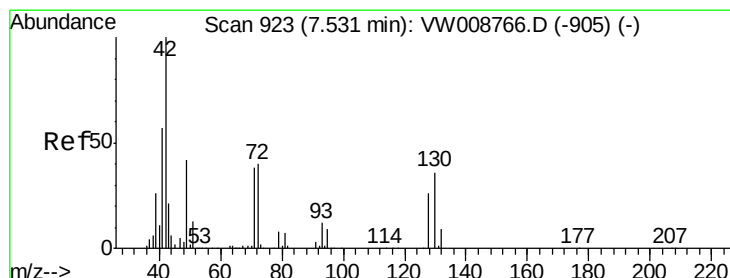
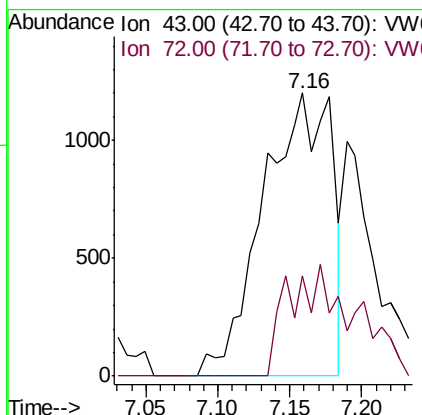
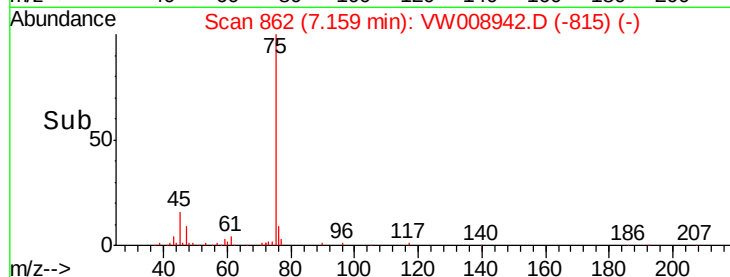
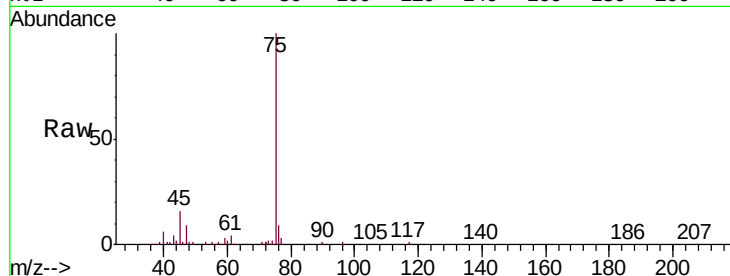




#25
2-Butanone
Concen: 4.098 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008942.D
Acq: 02 Mar 2019 01:59

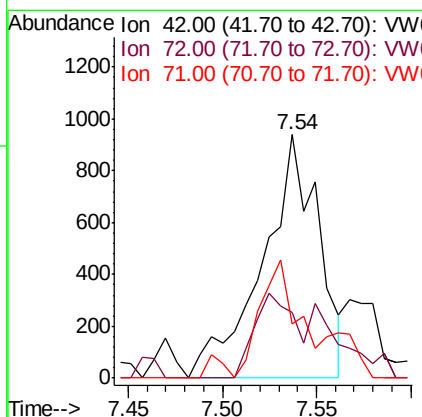
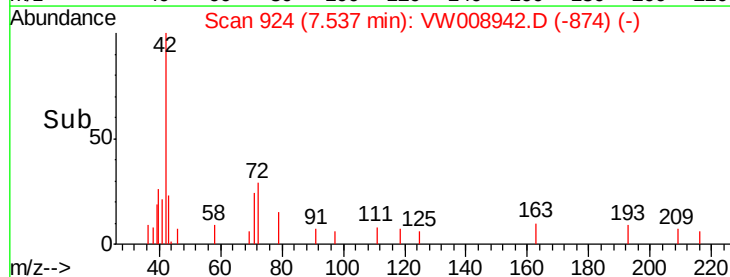
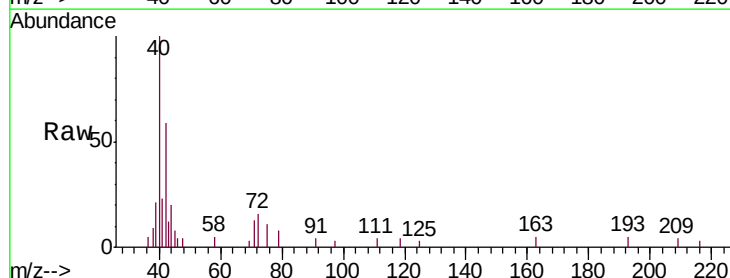
Instrument :
MSVOA_W
ClientSampleId :
Z-3-14-A

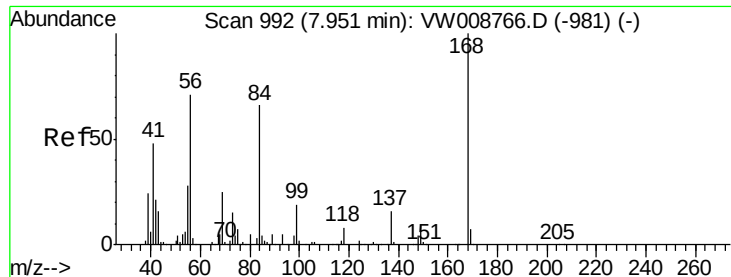
Tgt Ion: 43 Resp: 3971
Ion Ratio Lower Upper
43 100
72 35.6 19.7 29.5#



#29
Tetrahydrofuran
Concen: 3.129 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008942.D
Acq: 02 Mar 2019 01:59

Tgt Ion: 42 Resp: 1932
Ion Ratio Lower Upper
42 100
72 25.3 32.7 49.1#
71 35.3 31.3 46.9

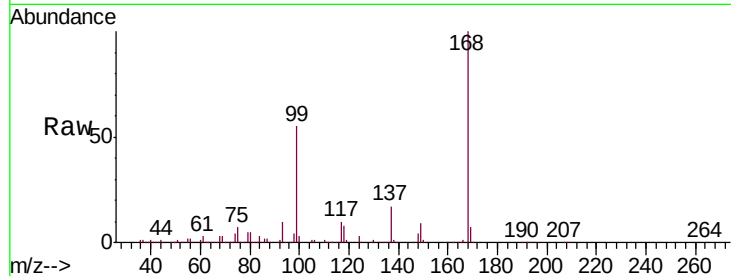




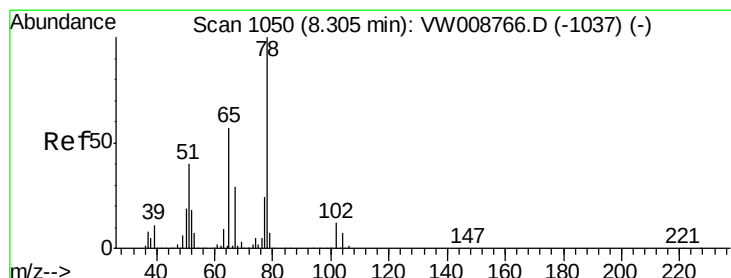
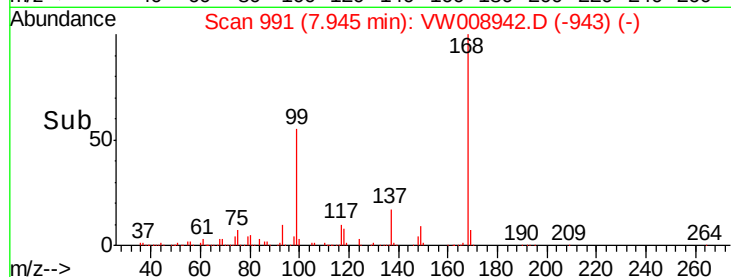
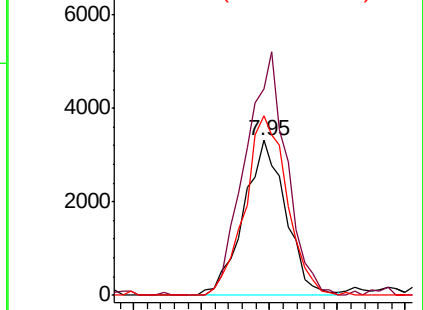
#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008942.D
Acq: 02 Mar 2019 01:59

Instrument :
MSVOA_W
ClientSampled :
Z-3-14-A

Tgt Ion: 56 Resp: 7218
Ion Ratio Lower Upper
56 100
69 132.7 28.2 42.4#
84 115.7 74.1 111.1#

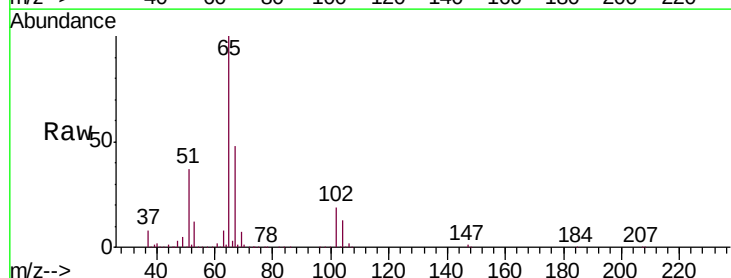


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

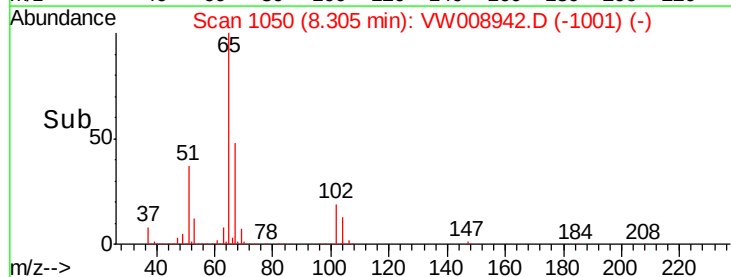
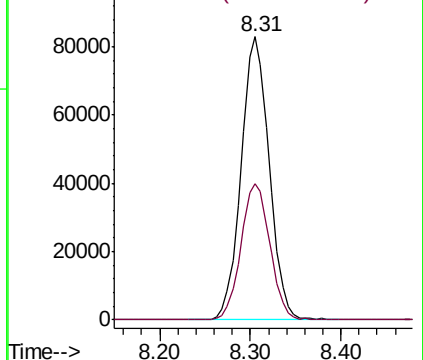


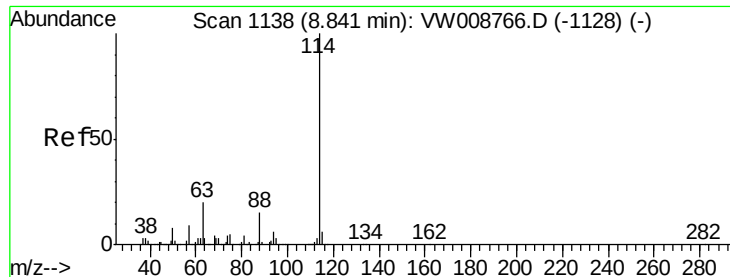
#33
1,2-Dichloroethane-d4
Concen: 59.387 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008942.D
Acq: 02 Mar 2019 01:59

Tgt Ion: 65 Resp: 177567
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

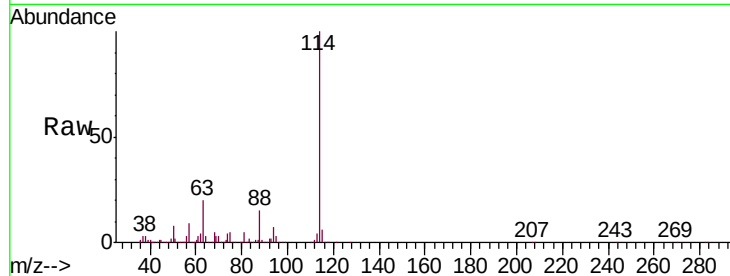




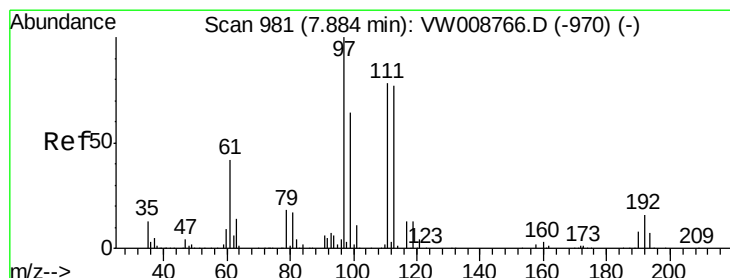
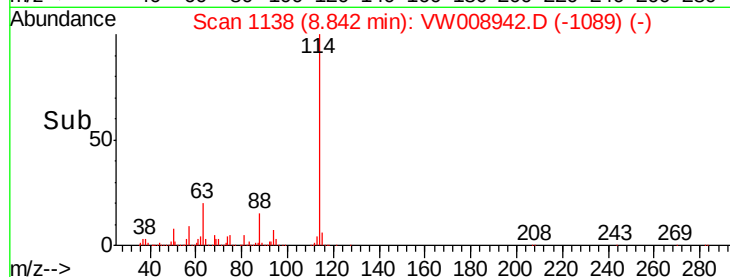
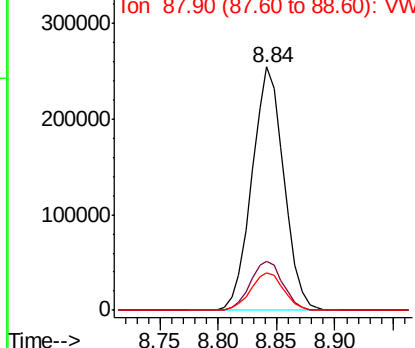
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008942.D
Acq: 02 Mar 2019 01:59

Instrument :
MSVOA_W
ClientSampleId :
Z-3-14-A

Tgt Ion:114 Resp: 486610
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 15.3 0.0 30.4

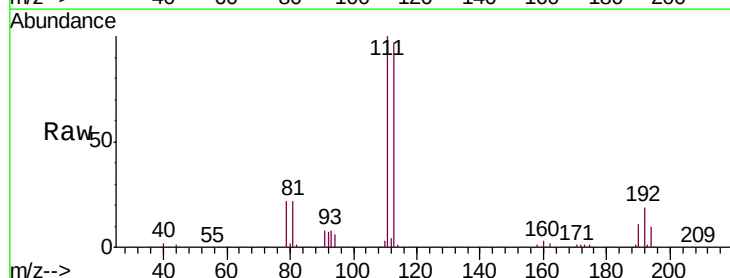


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

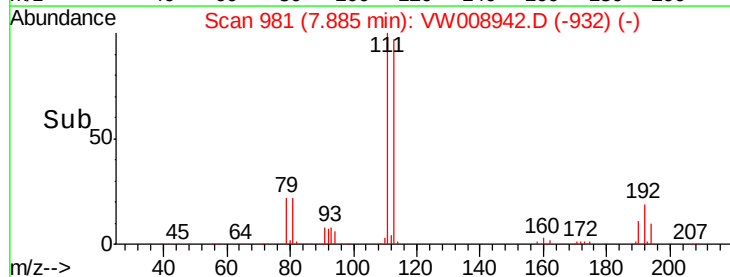
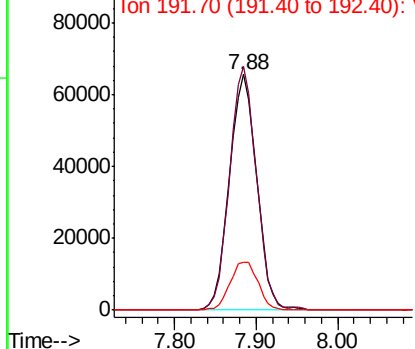


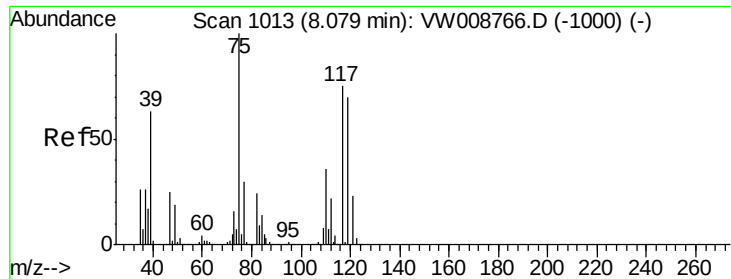
#35
Dibromofluoromethane
Concen: 51.937 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008942.D
Acq: 02 Mar 2019 01:59

Tgt Ion:113 Resp: 151743
Ion Ratio Lower Upper
113 100
111 100.9 81.9 122.9
192 20.8 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

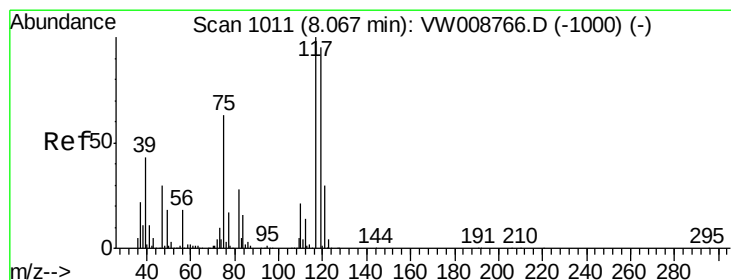
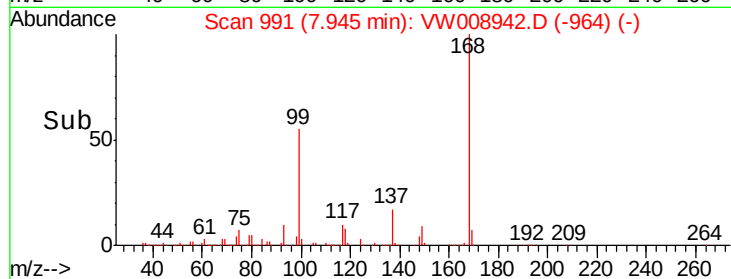
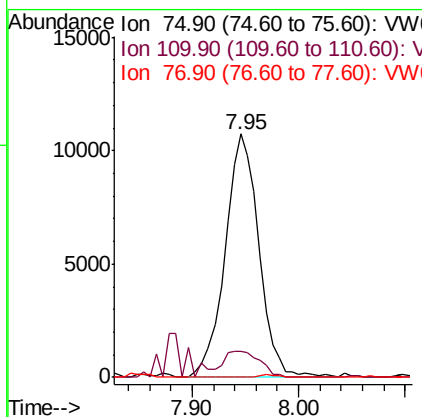
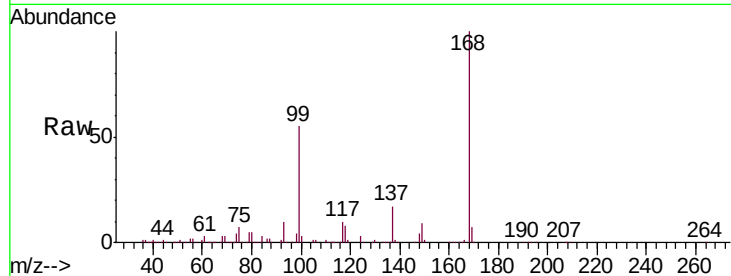




#36
 1,1-Dichloropropene
 Concen: 5.032 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008942.D
 Acq: 02 Mar 2019 01:59

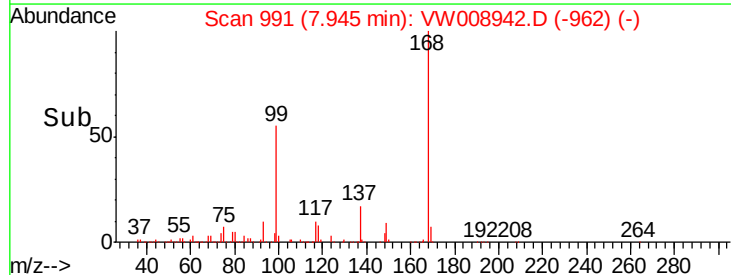
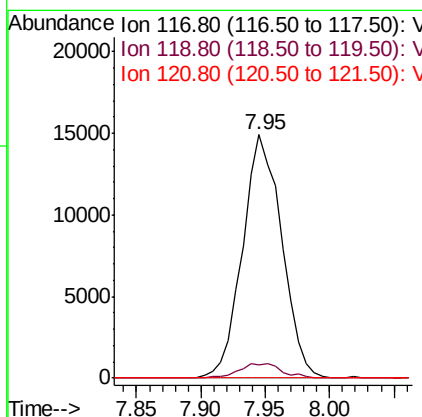
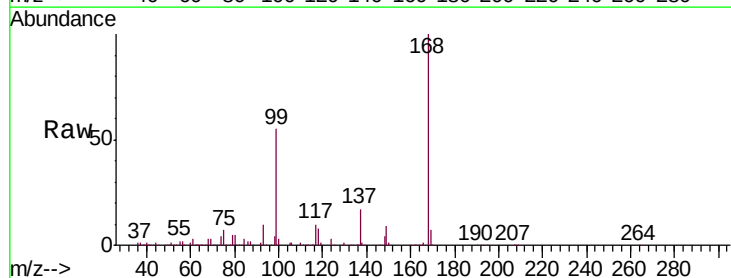
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-14-A

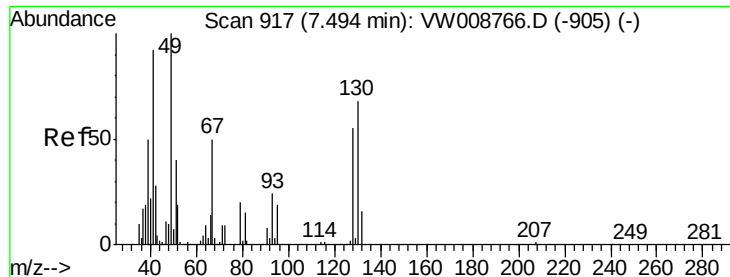
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.286 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008942.D
 Acq: 02 Mar 2019 01:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.1	114.1#
121	0.0	24.0	36.0#

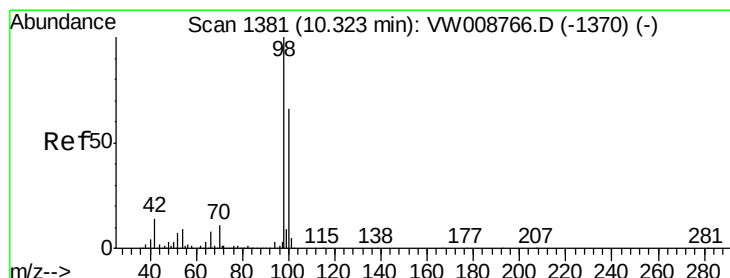
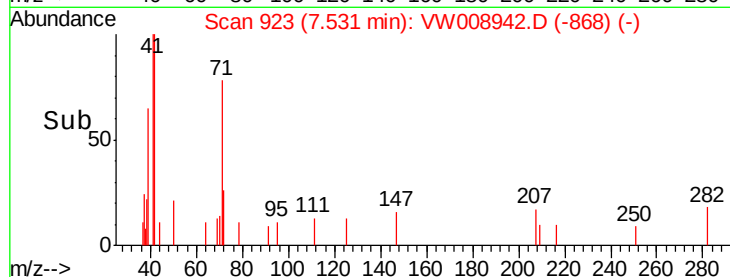
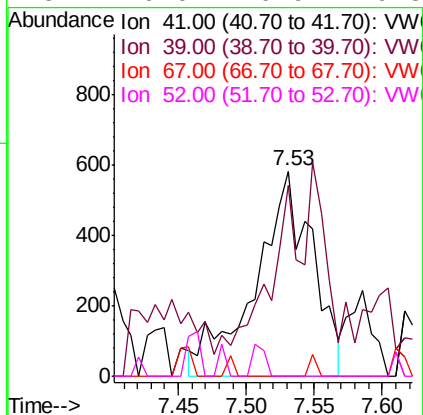
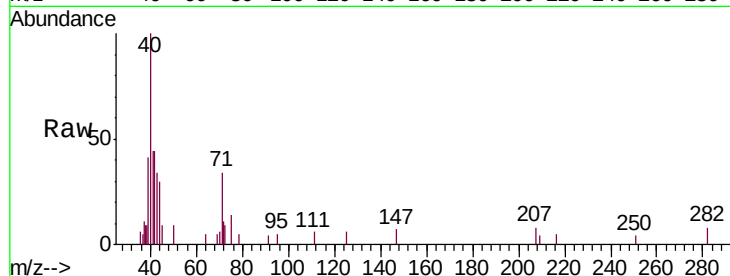




#41
Methacrylonitrile
Concen: 1.318 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.04 min
Lab File: VW008942.D
Acq: 02 Mar 2019 01:59

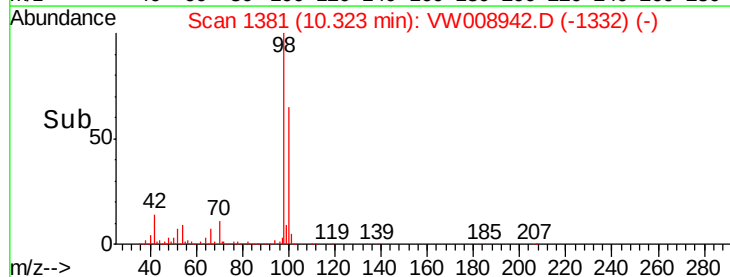
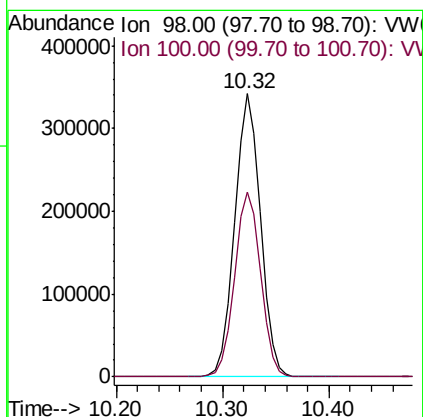
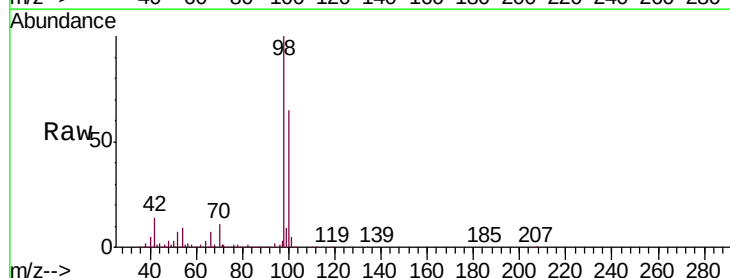
Instrument :
MSVOA_W
ClientSampled :
Z-3-14-A

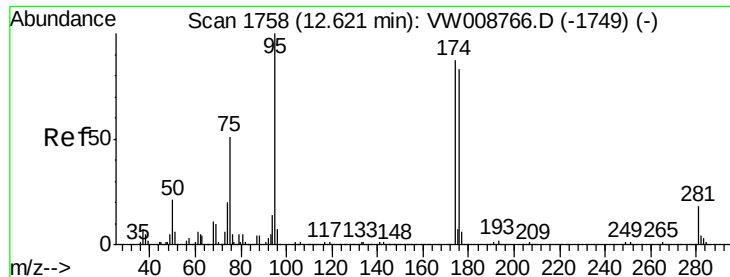
Tgt Ion: 41 Resp: 1707
Ion Ratio Lower Upper
41 100
39 37.3 52.5 78.7#
67 0.0 55.0 82.6#
52 0.0 26.9 40.3#



#50
Toluene-d8
Concen: 51.746 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008942.D
Acq: 02 Mar 2019 01:59

Tgt Ion: 98 Resp: 583613
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 45.030 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008942.D

Acq: 02 Mar 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

Z-3-14-A

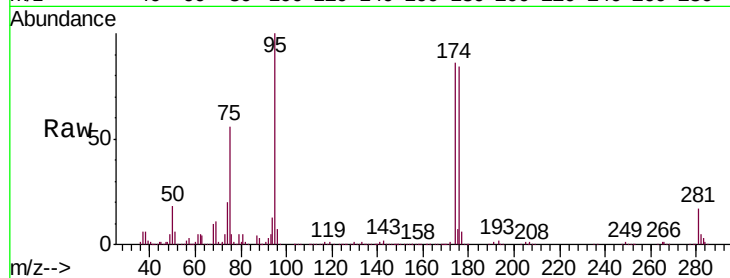
Tgt Ion: 95 Resp: 198852

Ion Ratio Lower Upper

95 100

174 86.1 0.0 169.2

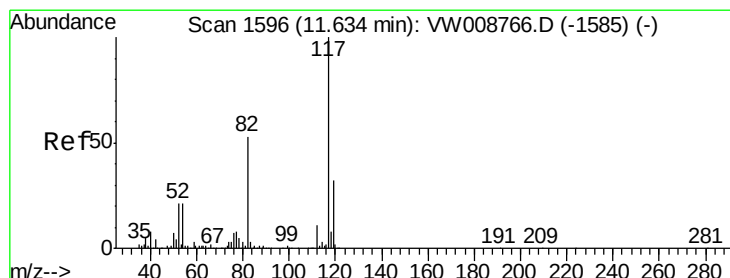
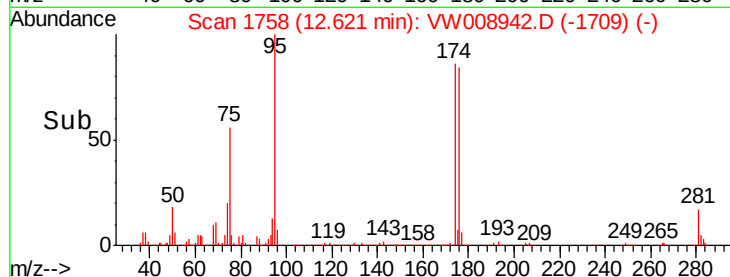
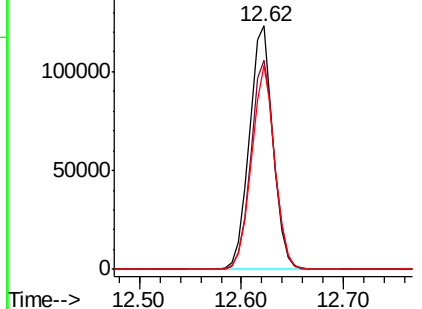
176 82.3 0.0 163.6



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: VW008942.D

Acq: 02 Mar 2019 01:59

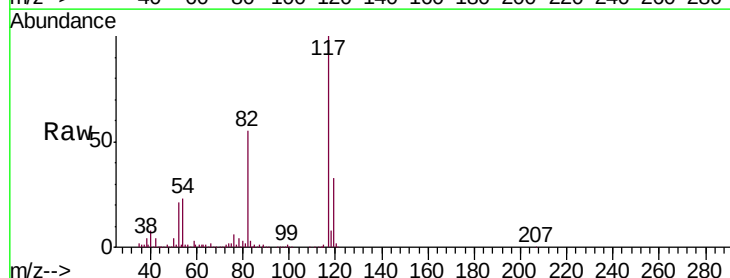
Tgt Ion: 117 Resp: 432648

Ion Ratio Lower Upper

117 100

82 55.5 42.2 63.4

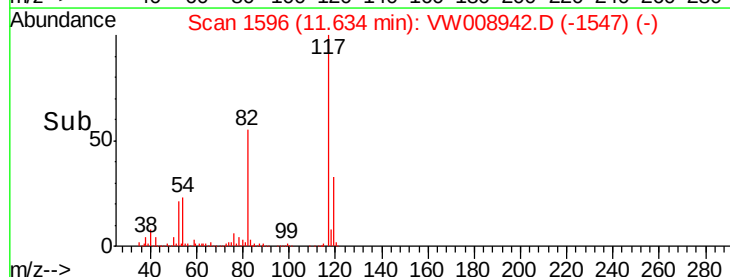
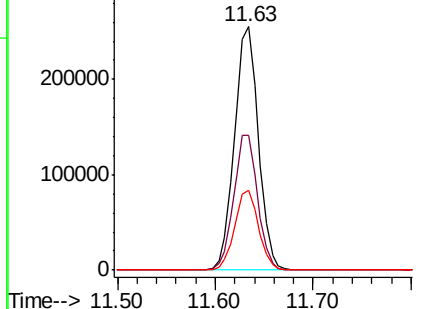
119 32.6 25.9 38.9

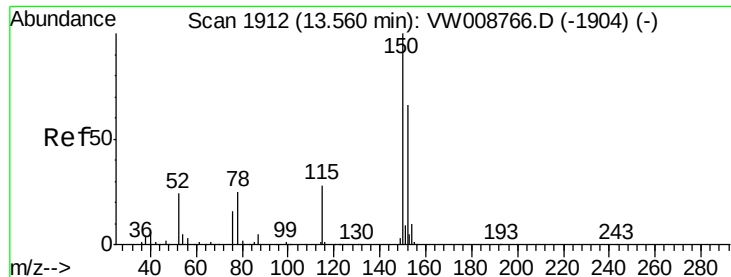


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008942.D

Acq: 02 Mar 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

Z-3-14-A

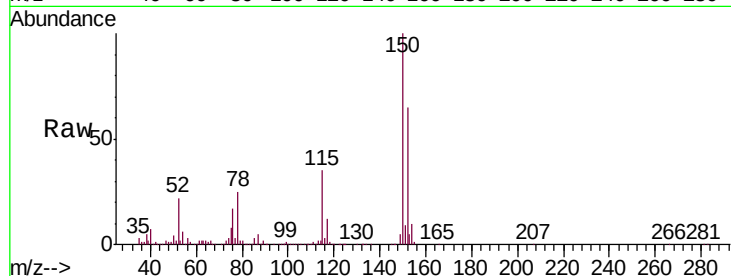
Tgt Ion:152 Resp: 198204

Ion Ratio Lower Upper

152 100

115 56.6 28.6 85.8

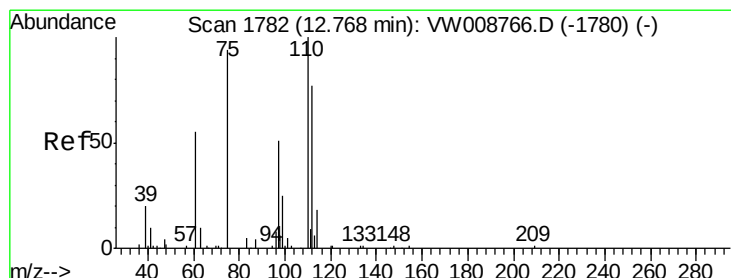
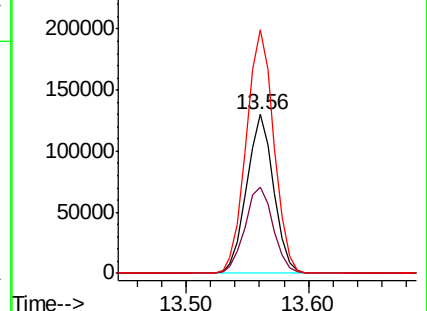
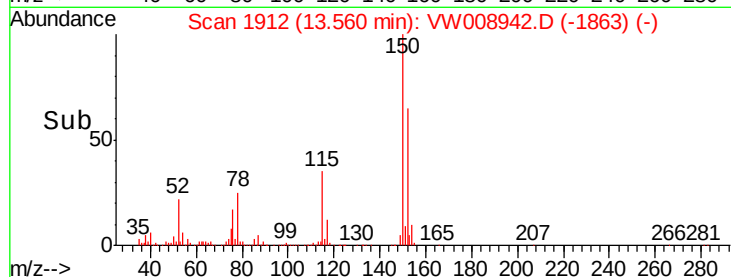
150 157.9 0.0 348.0



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: 64.829 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008942.D

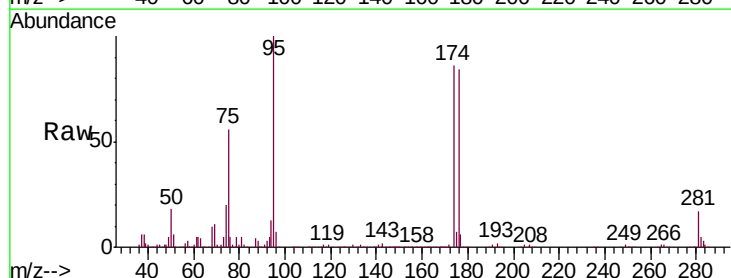
Acq: 02 Mar 2019 01:59

Tgt Ion: 75 Resp: 106089

Ion Ratio Lower Upper

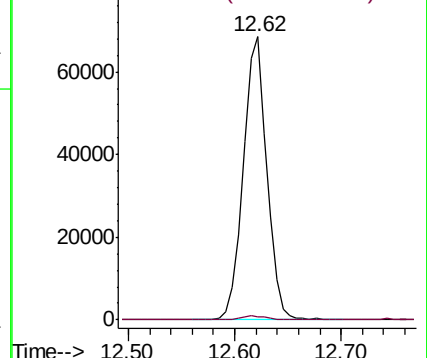
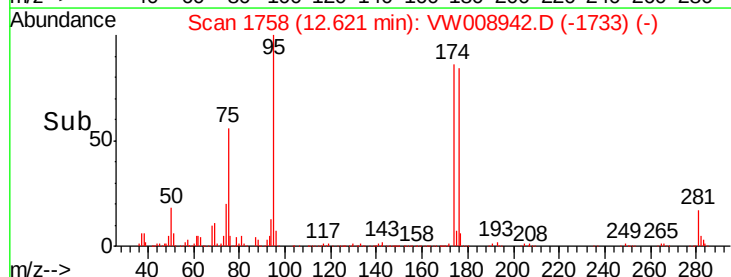
75 100

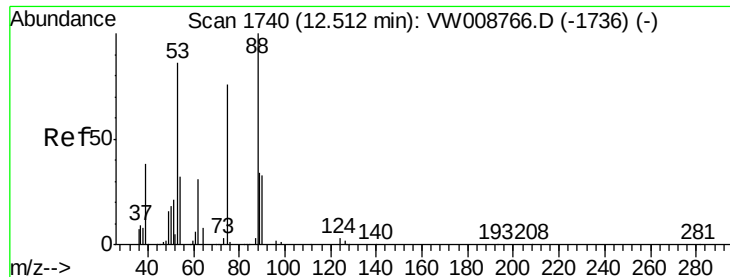
77 1.5 0.0 0.0#



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: 157.605 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008942.D

Acq: 02 Mar 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

Z-3-14-A

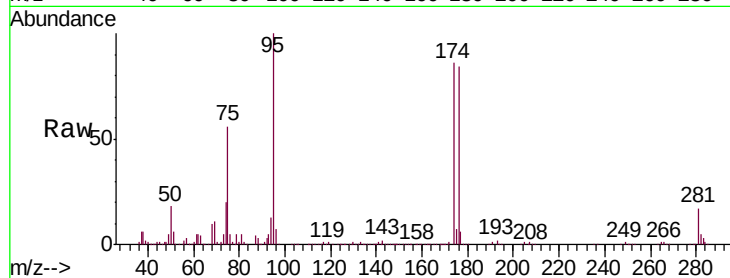
Tgt Ion: 75 Resp: 106089

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.5 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

