

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008882.D
 Acq On : 28 Feb 2019 12:53
 Operator : SY/VA
 Sample : K1650-02
 Misc : 6.09G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-1(17-18)

Quant Time: Mar 01 05:59:37 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	356567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	543514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230024	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	191868	57.37	ug/l	0.00
Spiked Amount			Recovery	=	114.74%	
35) Dibromofluoromethane	7.88	113	163108	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.32	98	644505	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.62	95	223586	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	

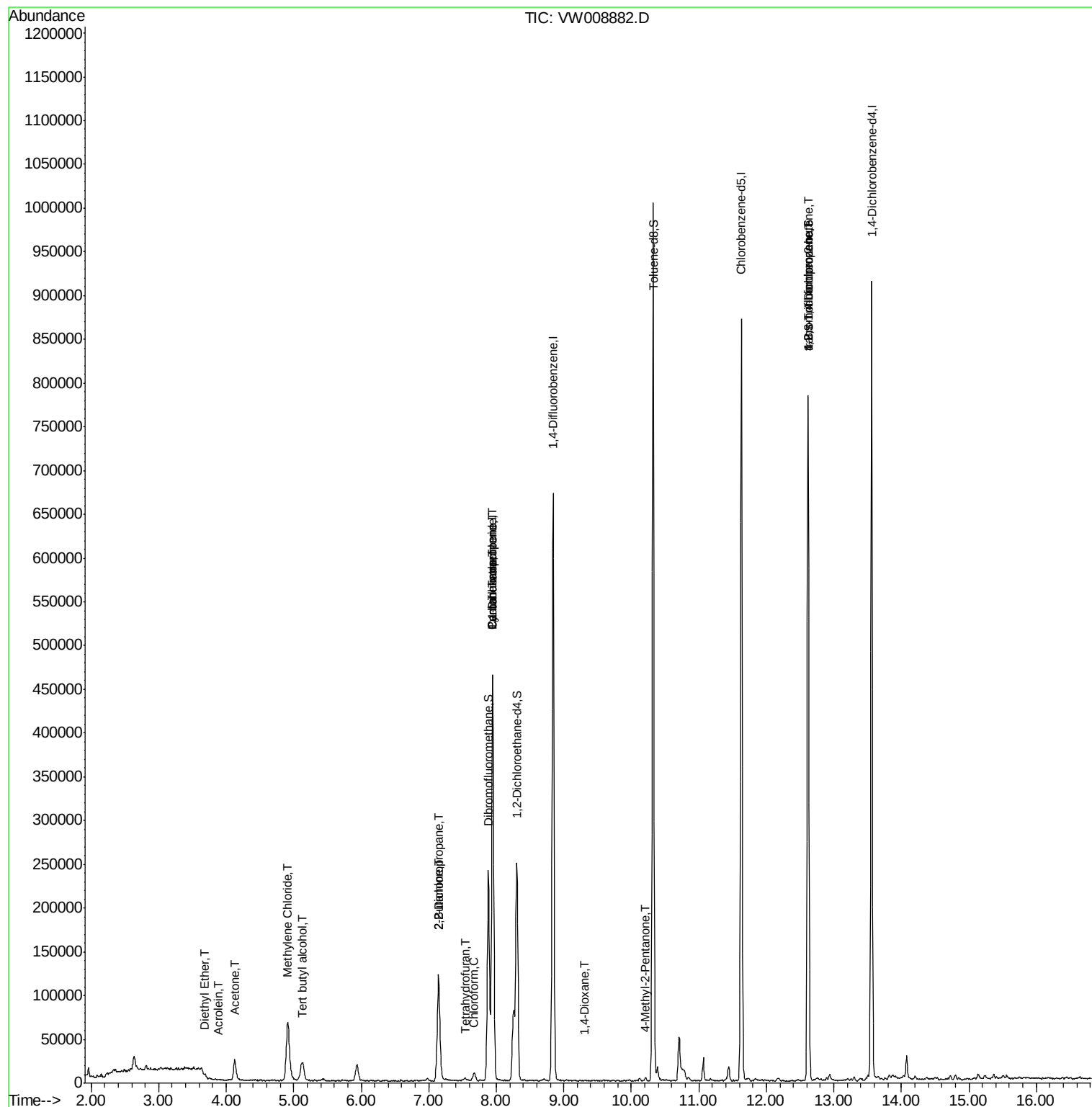
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	2500	1.357	ug/l	81
11) Tert butyl alcohol	5.12	59	20171	67.749	ug/l #	72
13) Acrolein	3.89	56	111	20.105	ug/l #	15
16) Acetone	4.13	43	39745	51.272	ug/l	99
20) Methylene Chloride	4.91	84	52077	9.499	ug/l	96
25) 2-Butanone	7.15	43	8842	8.159	ug/l #	75
26) 2,2-Dichloropropane	7.14	77	8147	1.441	ug/l #	55
29) Tetrahydrofuran	7.54	42	2573	3.726	ug/l	96
30) Chloroform	7.68	83	6633	1.038	ug/l	88
31) Cyclohexane	7.95	56	8253	1.309	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	26496	5.008	ug/l #	51
38) Carbon Tetrachloride	7.95	117	34138	6.118	ug/l #	16
49) 1,4-Dioxane	9.30	88	59	1.856	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	3199	1.283	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	117998	62.132	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	117998	151.047	ug/l #	6

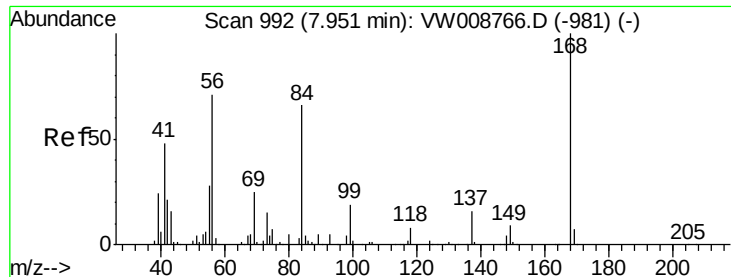
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 991

Delta R.T. -0.01 min

Lab File: VW008882.D

Acq: 28 Feb 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

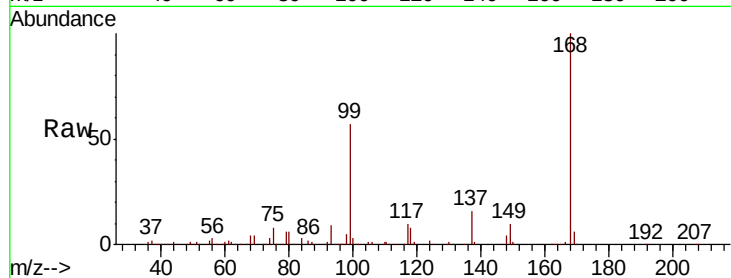
B-1(17-18)

Tot Ion:168 Resp: 356567

Ion Ratio Lower Upper

168 100

99 56.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

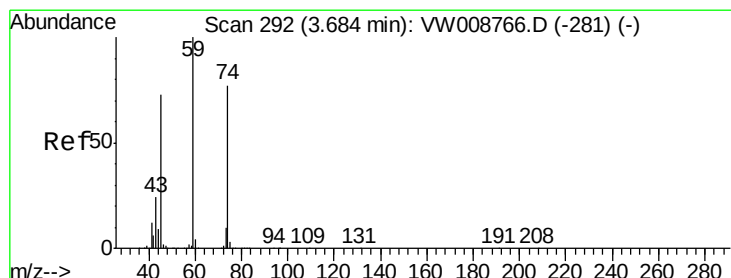
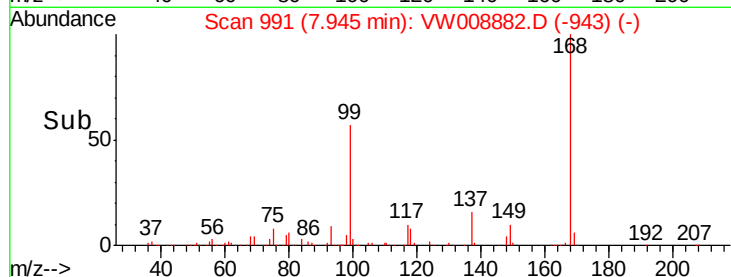
100000

50000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#8

Diethyl Ether

Concen: 1.357 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008882.D

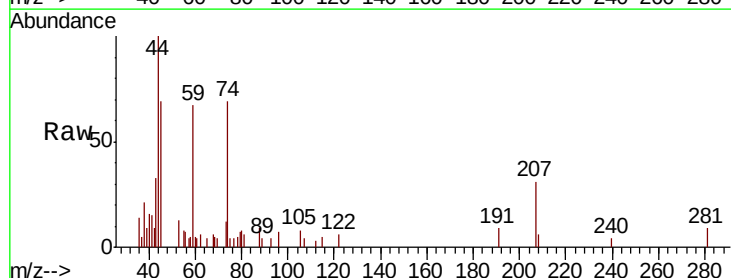
Acq: 28 Feb 2019 12:53

Tgt Ion: 74 Resp: 2500

Ion Ratio Lower Upper

74 100

45 119.9 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

1200

1000

800

600

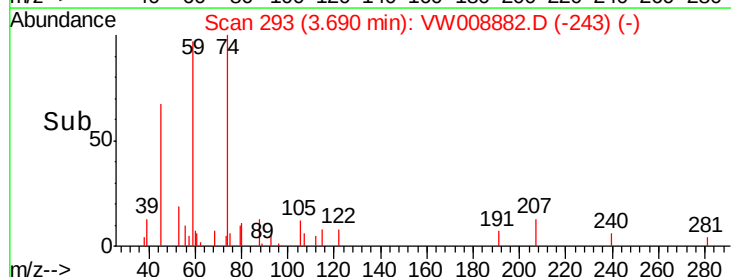
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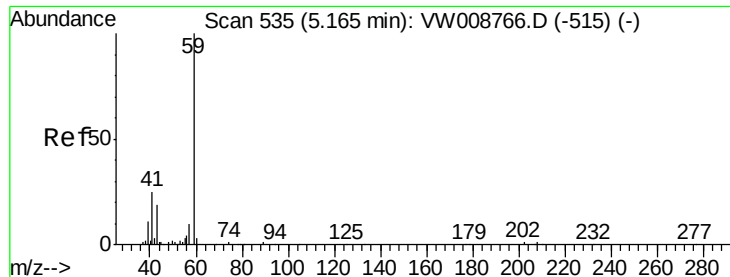
200

0

Time-->

3.65 3.70





#11

Tert butyl alcohol

Concen: 67.749 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW008882.D

Acq: 28 Feb 2019 12:53

Instrument :

MSVOA_W

ClientSampled :

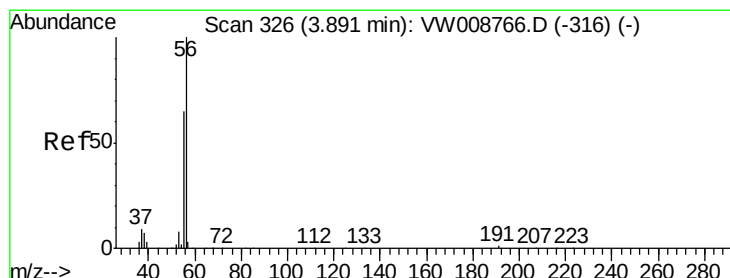
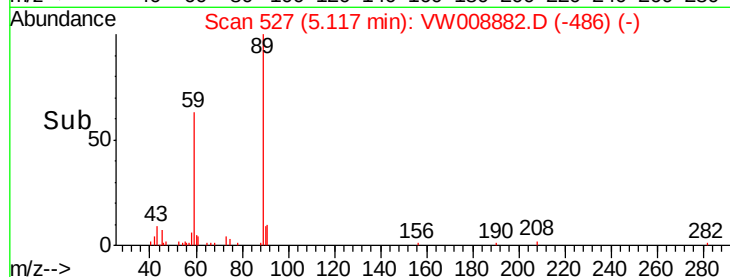
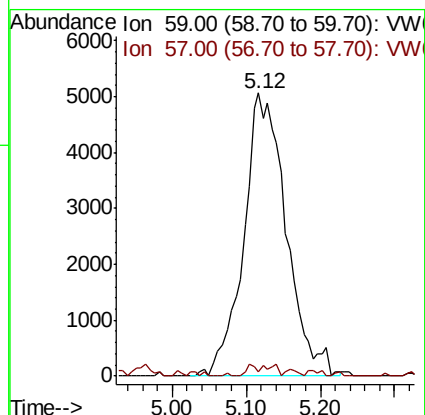
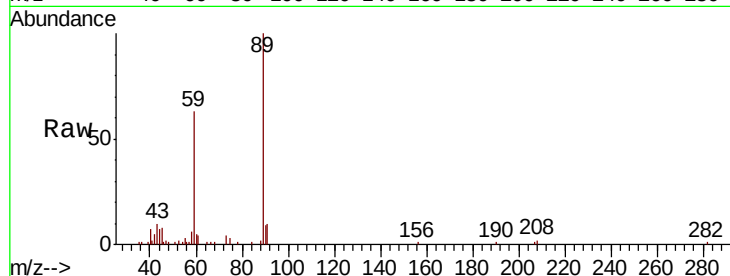
B-1(17-18)

Tot Ion: 59 Resp: 20171

Ion Ratio Lower Upper

59 100

57 0.9 9.3 13.9#



#13

Acrolein

Concen: 20.105 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008882.D

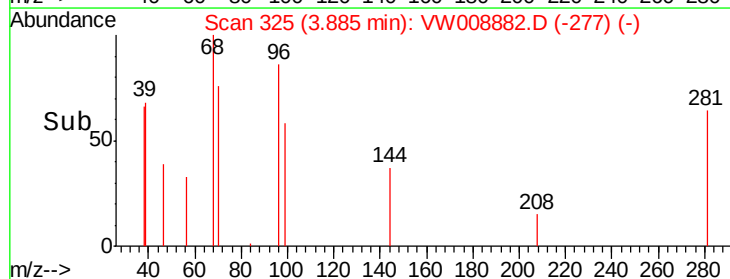
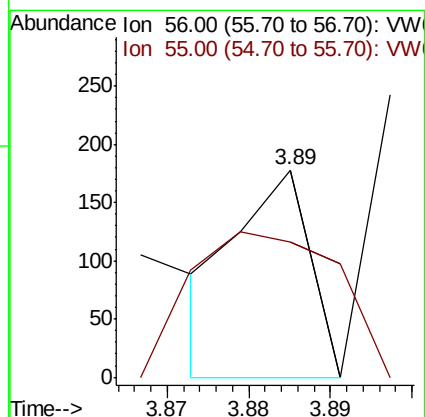
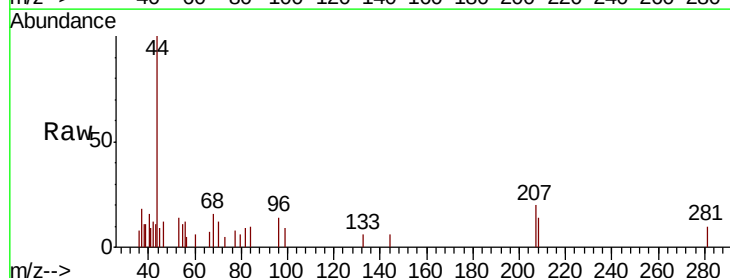
Acq: 28 Feb 2019 12:53

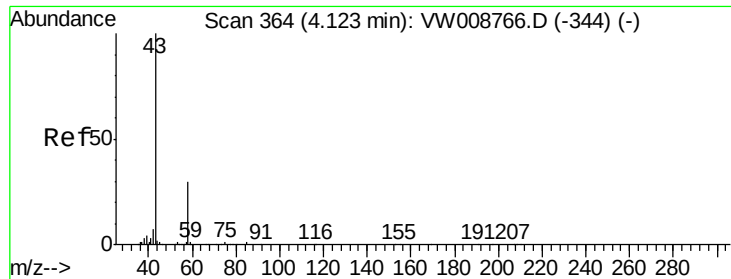
Tgt Ion: 56 Resp: 111

Ion Ratio Lower Upper

56 100

55 141.4 56.9 85.3#

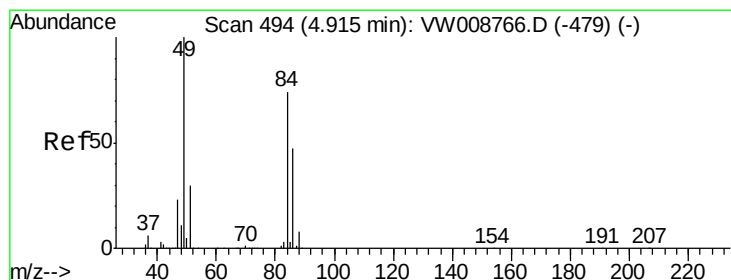
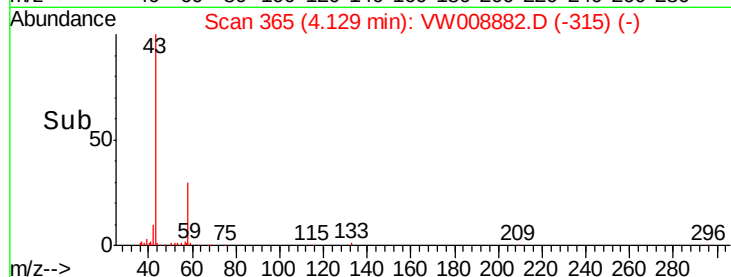
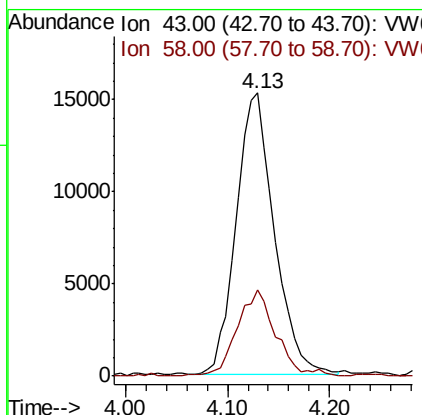
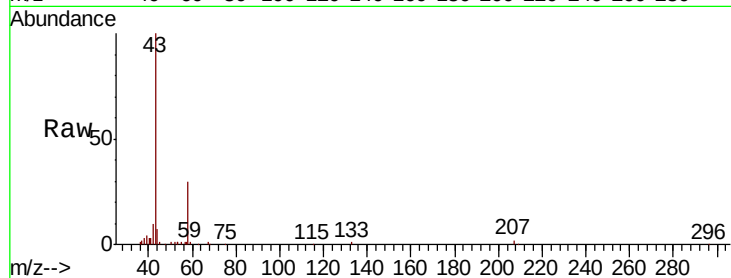




#16
Acetone
Concen: 51.272 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008882.D
Acq: 28 Feb 2019 12:53

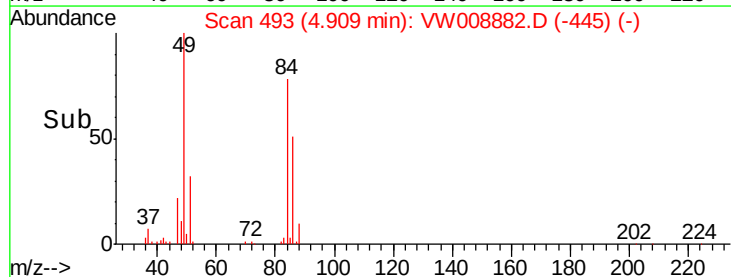
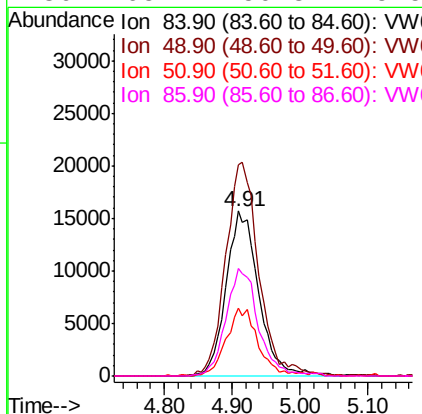
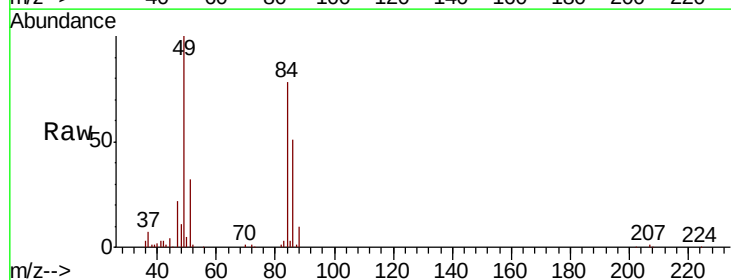
Instrument :
MSVOA_W
ClientSampleId :
B-1(17-18)

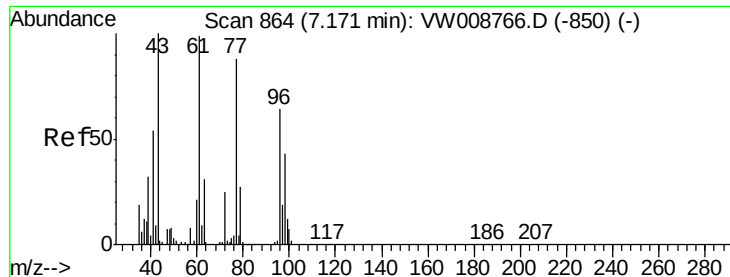
Tot Ion: 43 Resp: 39745
Ion Ratio Lower Upper
43 100
58 30.4 23.8 35.6



#20
Methylene Chloride
Concen: 9.499 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008882.D
Acq: 28 Feb 2019 12:53

Tgt Ion: 84 Resp: 52077
Ion Ratio Lower Upper
84 100
49 127.6 108.2 162.2
51 40.9 32.7 49.1
86 65.4 50.3 75.5





#25

2-Butanone

Concen: 8.159 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008882.D

Acq: 28 Feb 2019 12:53

Instrument :

MSVOA_W

ClientSampled :

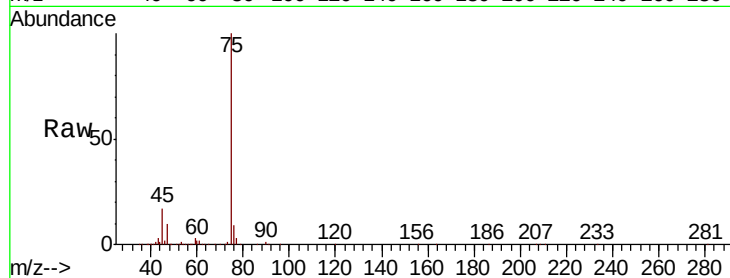
B-1(17-18)

Tot Ion: 43 Resp: 8842

Ion Ratio Lower Upper

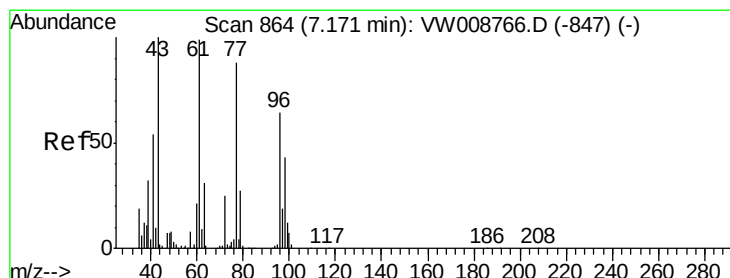
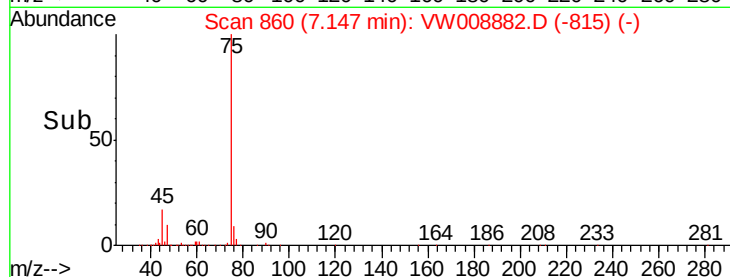
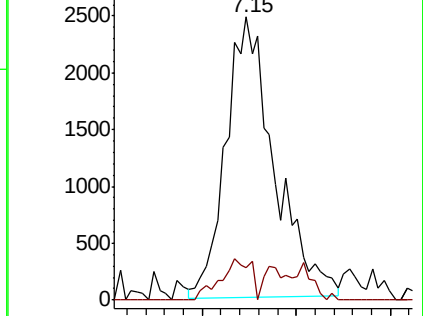
43 100

72 12.2 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.441 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008882.D

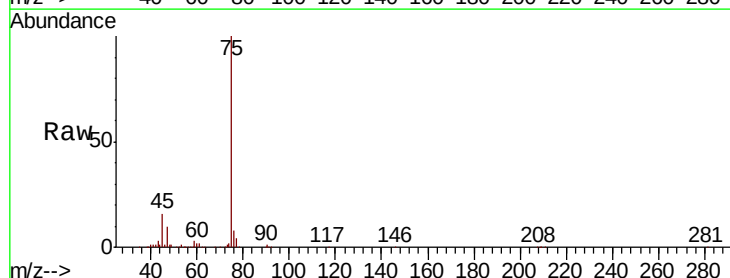
Acq: 28 Feb 2019 12:53

Tgt Ion: 77 Resp: 8147

Ion Ratio Lower Upper

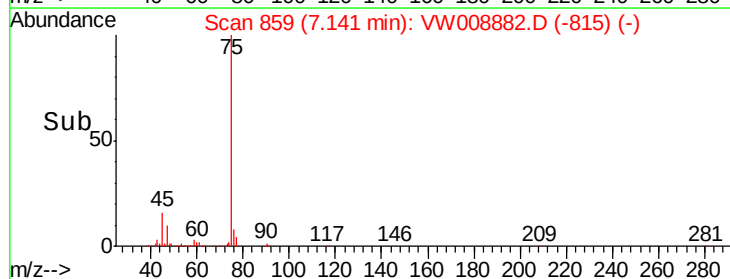
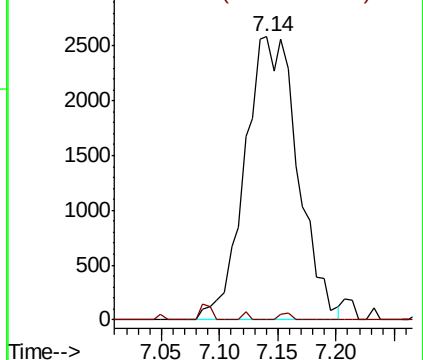
77 100

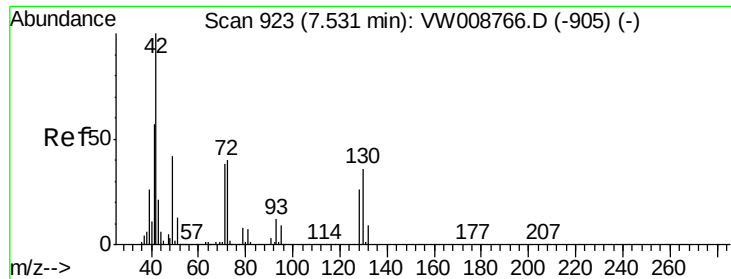
97 0.5 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

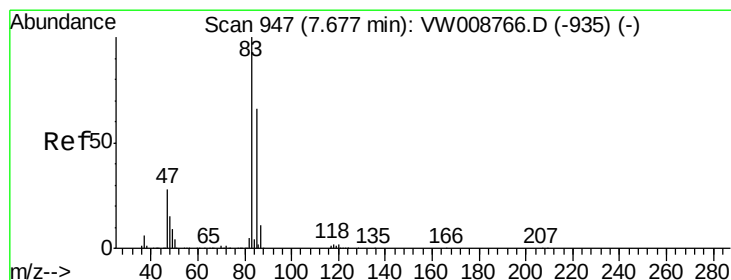
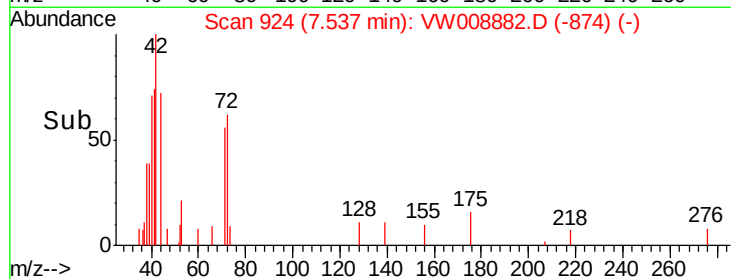
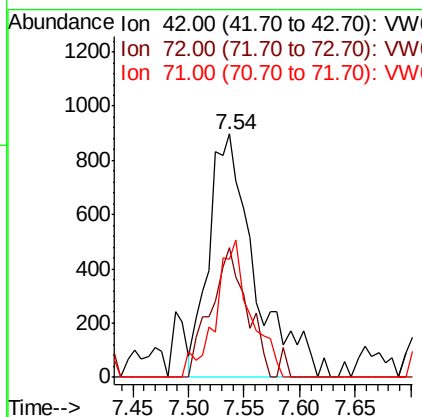
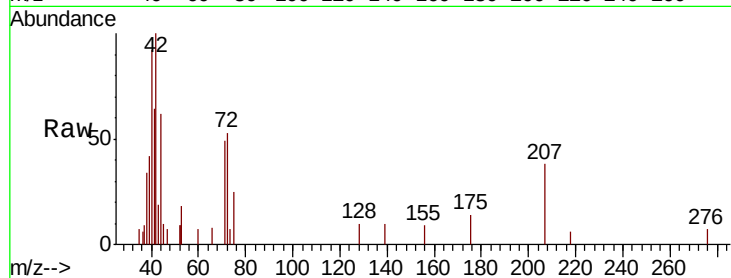




#29
Tetrahydrofuran
Concen: 3.726 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008882.D
Acq: 28 Feb 2019 12:53

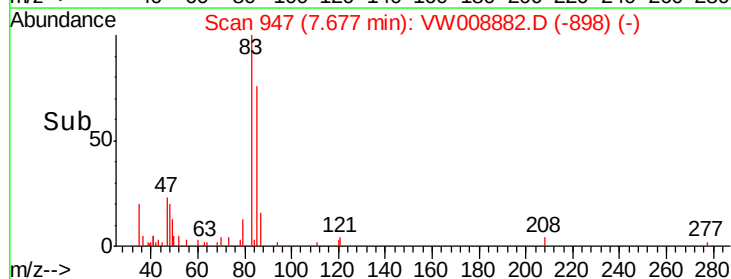
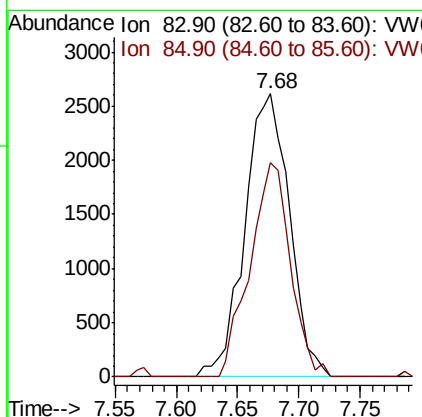
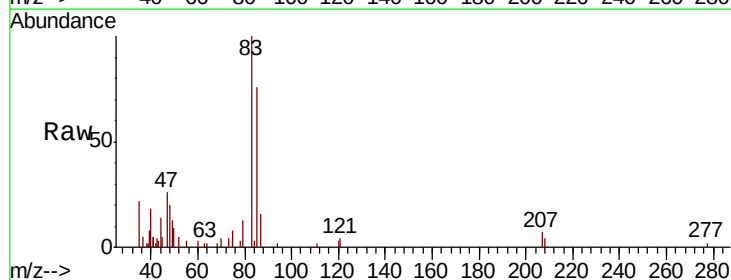
Instrument :
MSVOA_W
ClientSampleId :
B-1(17-18)

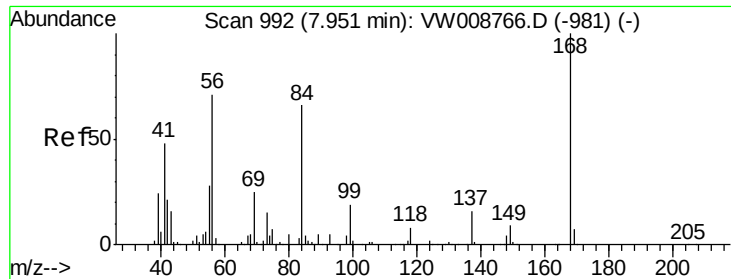
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.7	49.1
71	43.0	31.3	46.9



#30
Chloroform
Concen: 1.038 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008882.D
Acq: 28 Feb 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	75.5	52.6	79.0

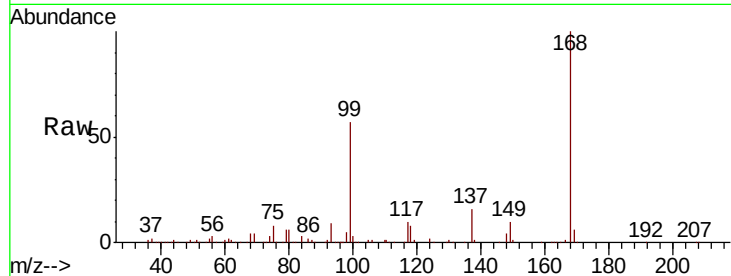




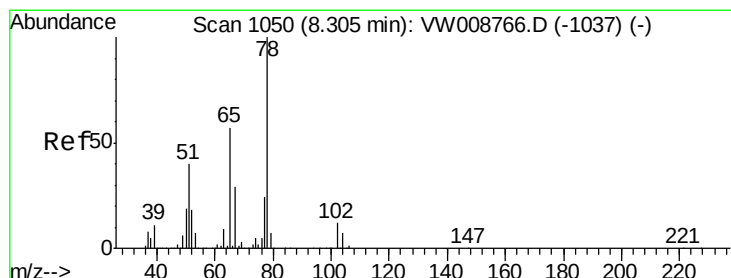
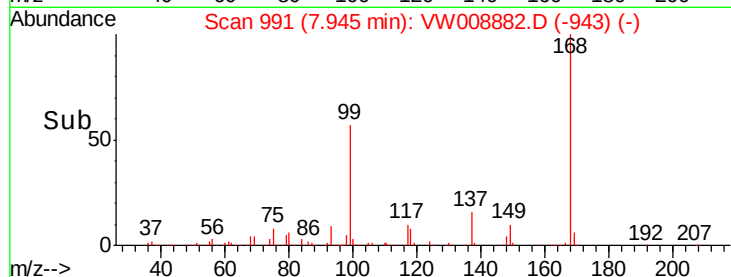
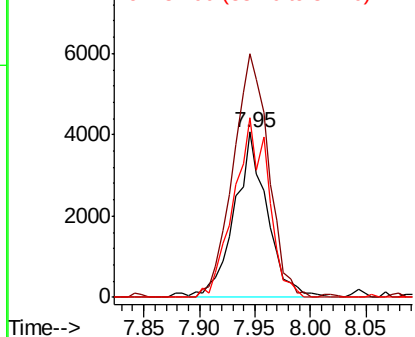
#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008882.D
Acq: 28 Feb 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
B-1(17-18)

Tot Ion: 56 Resp: 8253
Ion Ratio Lower Upper
56 100
69 147.3 28.2 42.4#
84 108.5 74.1 111.1

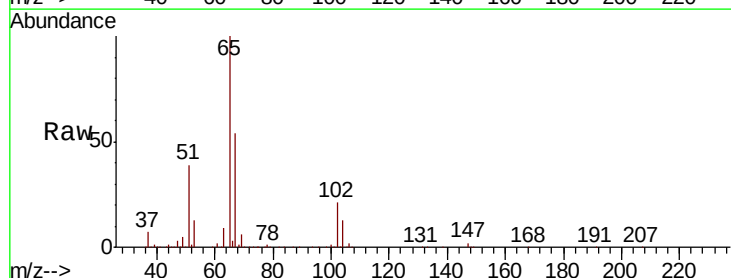


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

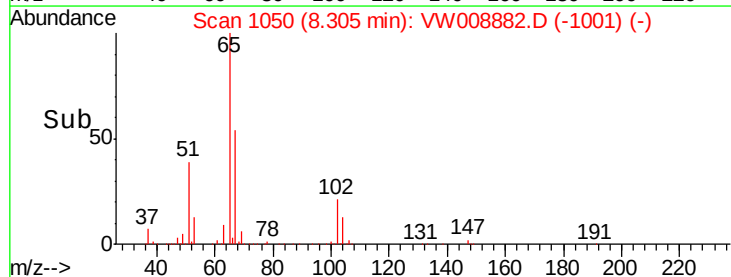
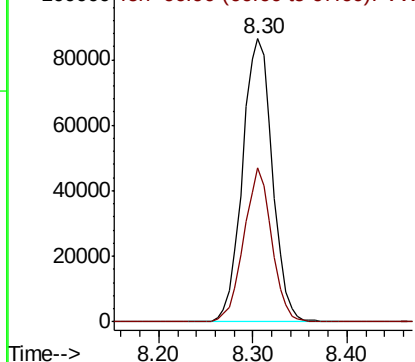


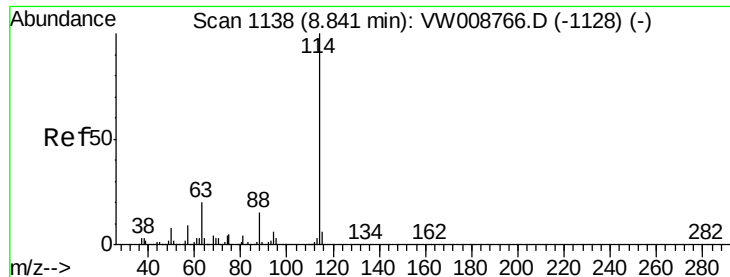
#33
1,2-Dichloroethane-d4
Concen: 57.372 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008882.D
Acq: 28 Feb 2019 12:53

Tgt Ion: 65 Resp: 191868
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.4



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

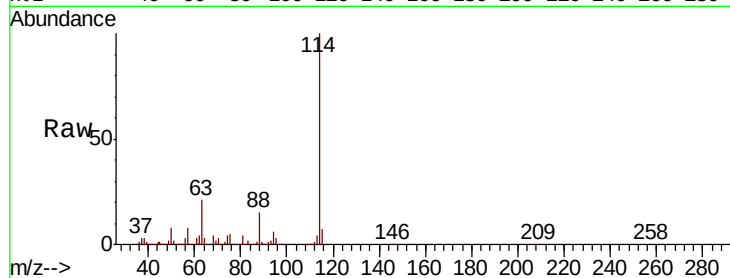




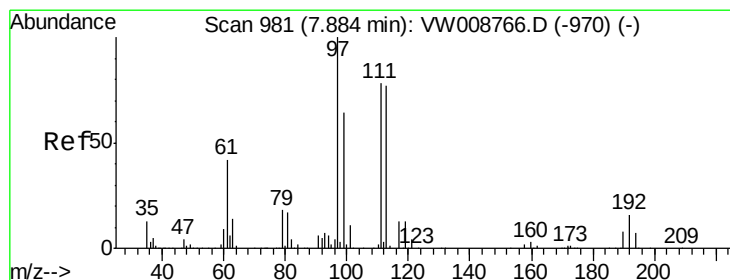
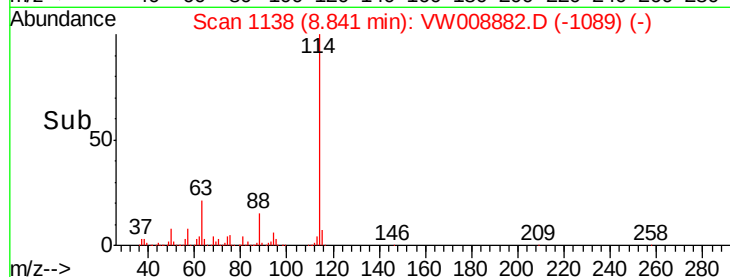
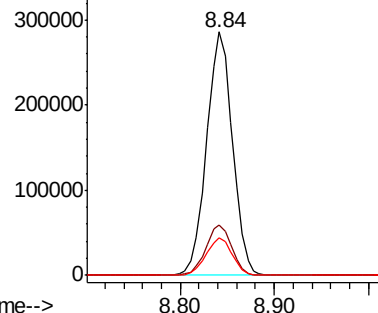
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008882.D
 Acq: 28 Feb 2019 12:53

Instrument :
 MSVOA_W
 ClientSampleId :
 B-1(17-18)

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	15.4	0.0	30.4

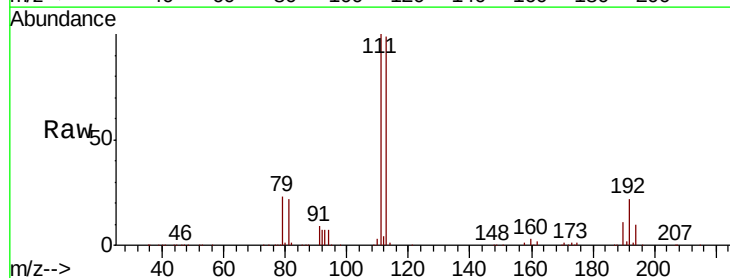


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

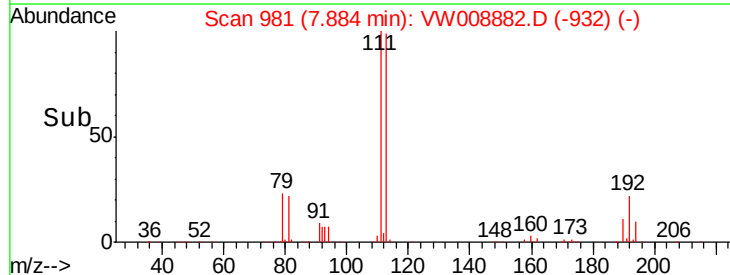
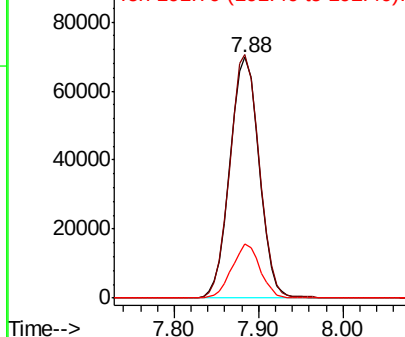


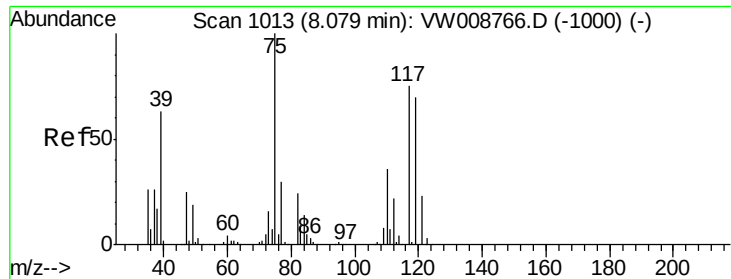
#35
 Dibromofluoromethane
 Concen: 49.982 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008882.D
 Acq: 28 Feb 2019 12:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	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

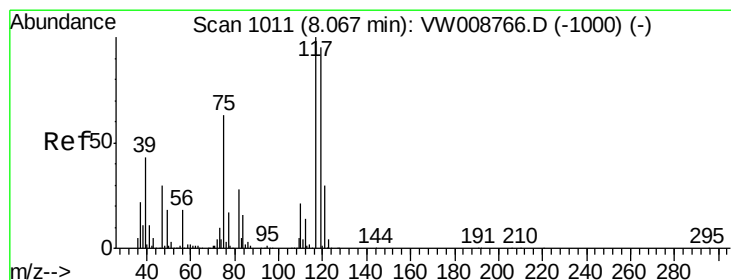
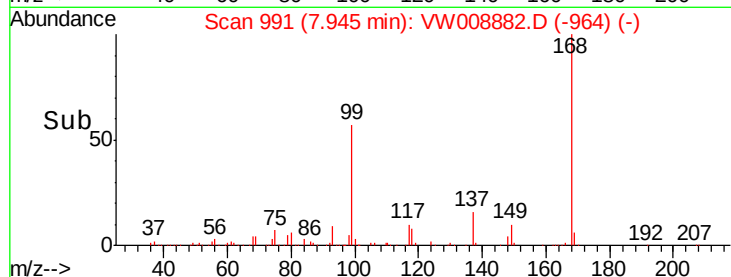
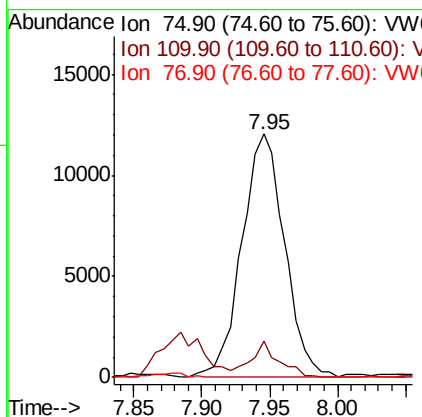
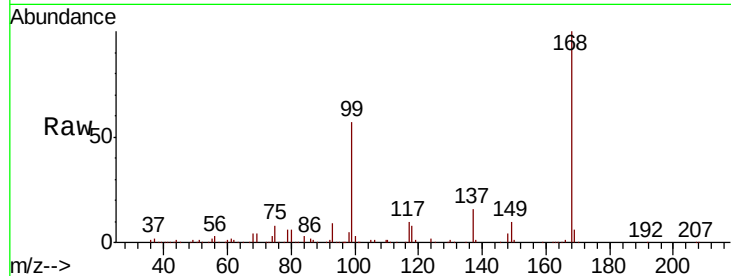




#36
 1,1-Dichloropropene
 Concen: 5.008 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008882.D
 Acq: 28 Feb 2019 12:53

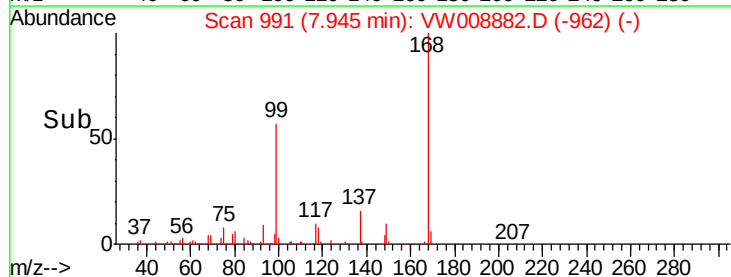
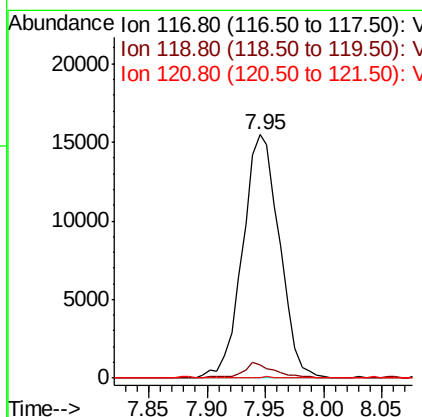
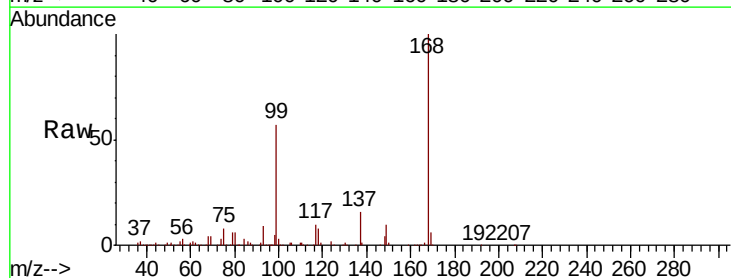
Instrument :
 MSVOA_W
 ClientSampleId :
 B-1(17-18)

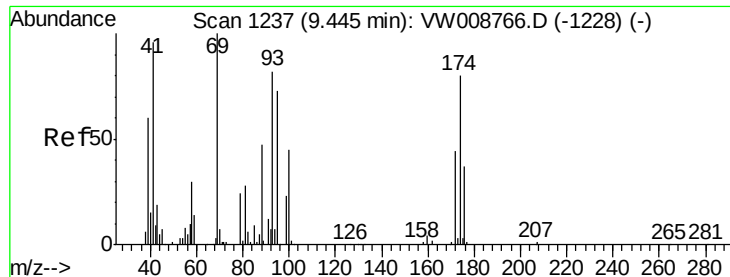
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.118 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008882.D
 Acq: 28 Feb 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.1	114.1#
121	0.0	24.0	36.0#

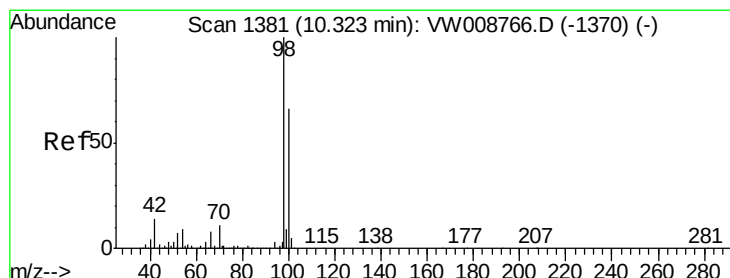
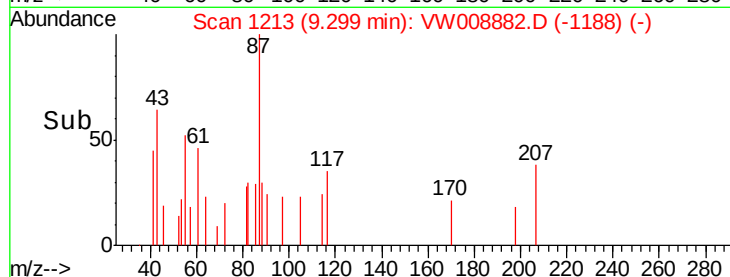
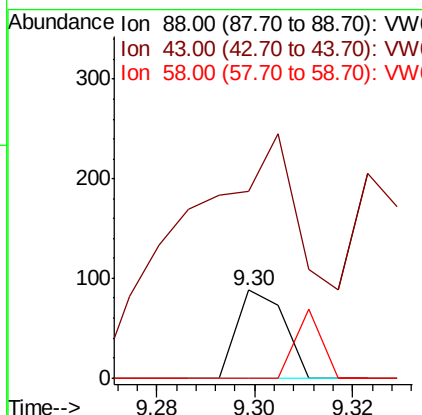
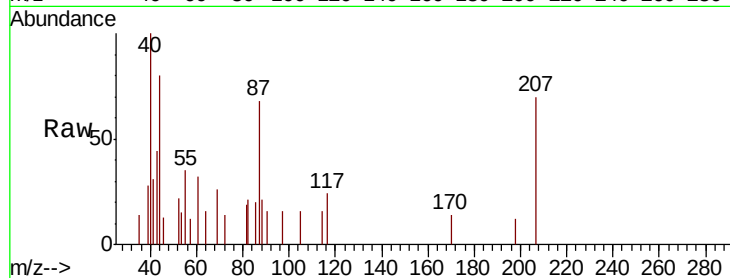




#49
1,4-Dioxane
Concen: 1.856 ug/l
RT: 9.30 min Scan# 1213
Delta R.T. -0.15 min
Lab File: VW008882.D
Acq: 28 Feb 2019 12:53

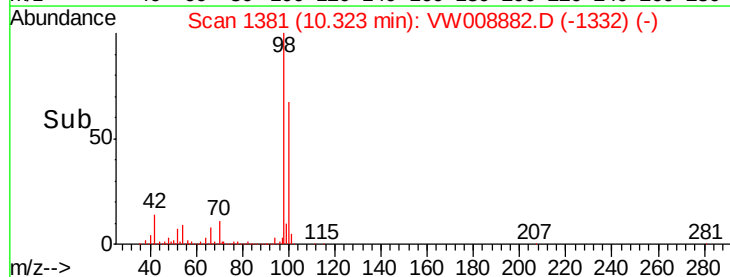
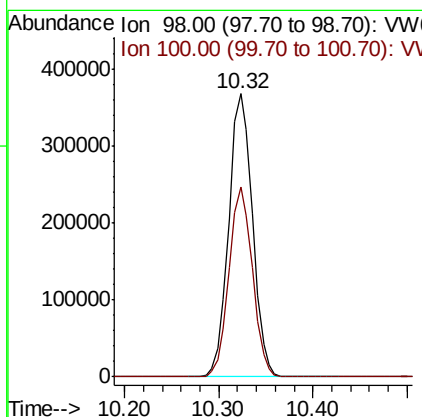
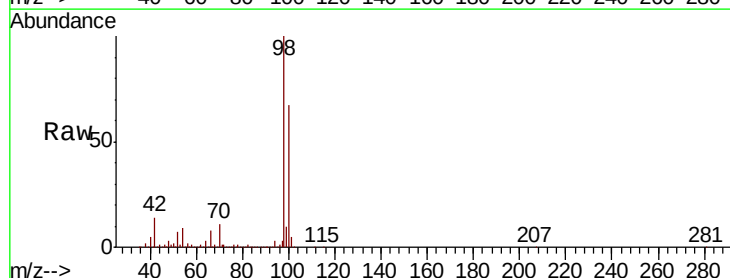
Instrument :
MSVOA_W
ClientSampleId :
B-1(17-18)

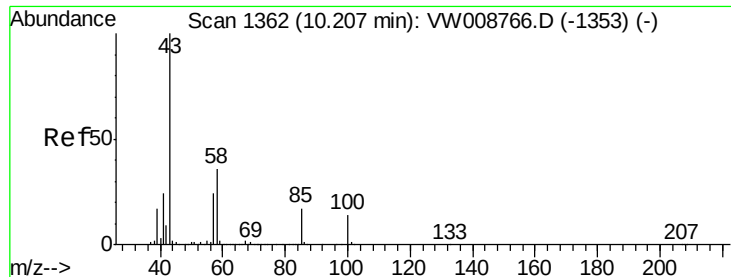
Tot Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 740.7 29.0 43.4#
58 42.4 52.0 78.0#



#50
Toluene-d8
Concen: 51.162 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008882.D
Acq: 28 Feb 2019 12:53

Tgt Ion: 98 Resp: 644505
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.283 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008882.D

Acq: 28 Feb 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

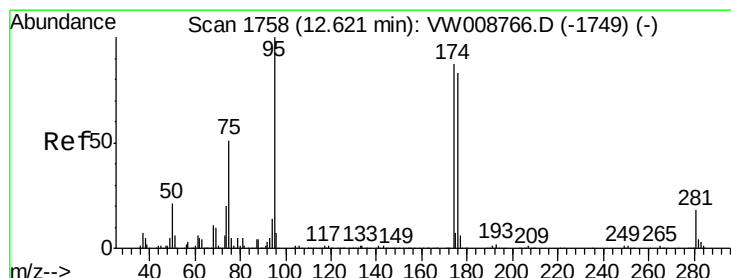
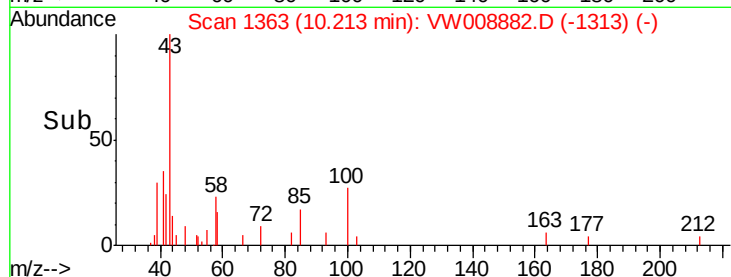
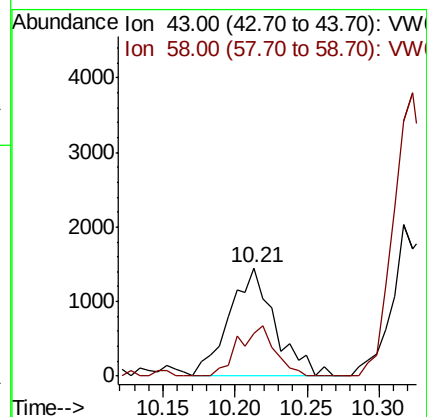
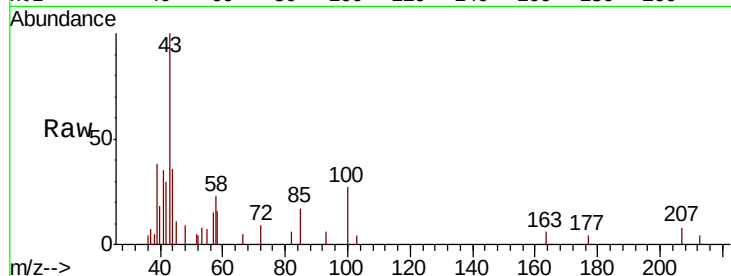
B-1(17-18)

Tot Ion: 43 Resp: 3199

Ion Ratio Lower Upper

43 100

58 37.4 29.1 43.7



#62

4-Bromofluorobenzene

Concen: 45.330 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008882.D

Acq: 28 Feb 2019 12:53

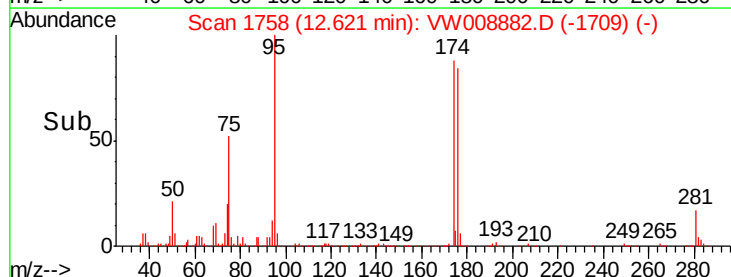
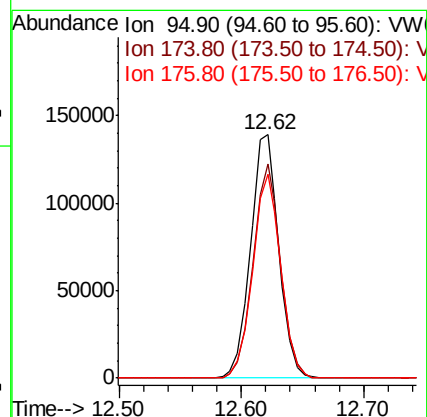
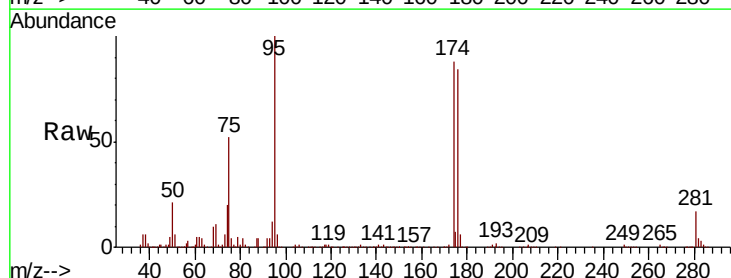
Tgt Ion: 95 Resp: 223586

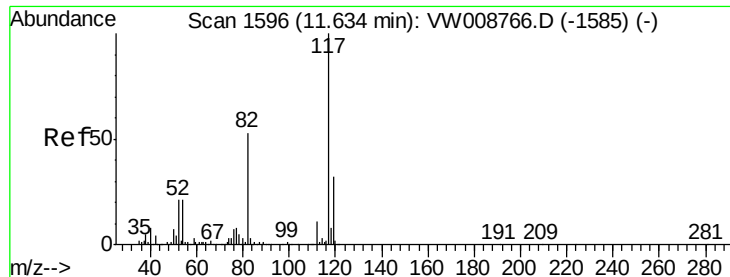
Ion Ratio Lower Upper

95 100

174 85.8 0.0 169.2

176 83.2 0.0 163.6

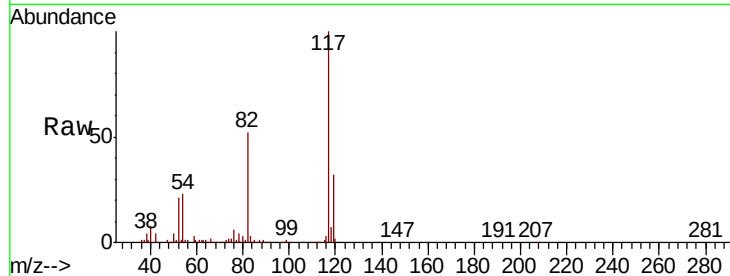




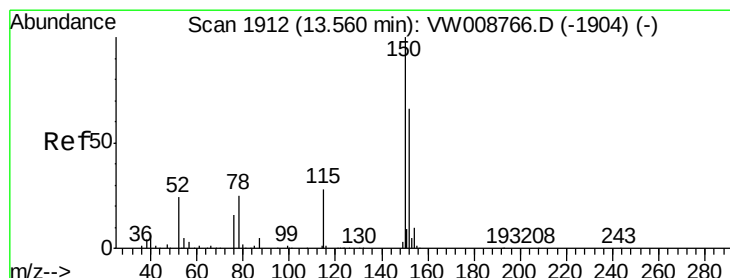
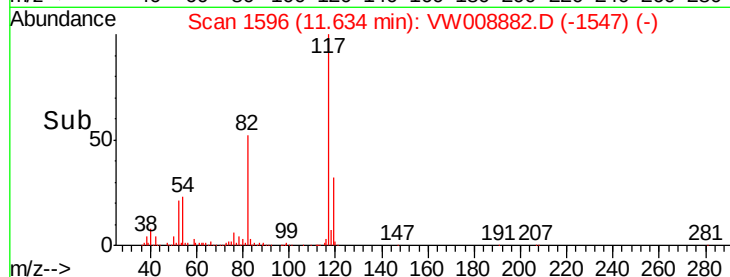
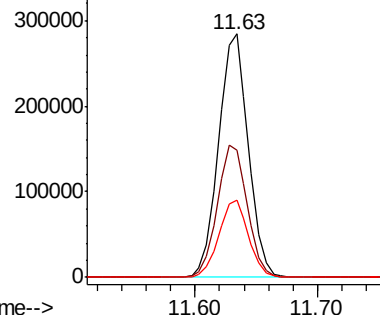
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008882.D
Acq: 28 Feb 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
B-1(17-18)

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.2	63.4
119	32.0	25.9	38.9

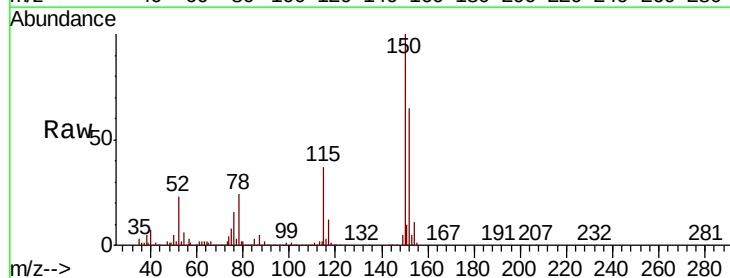


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

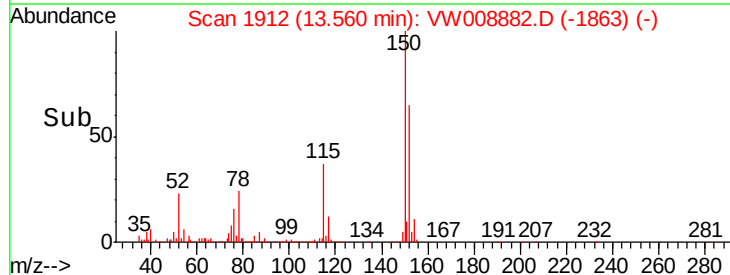
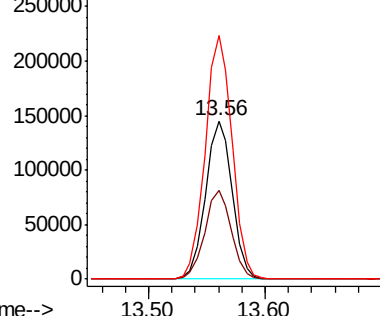


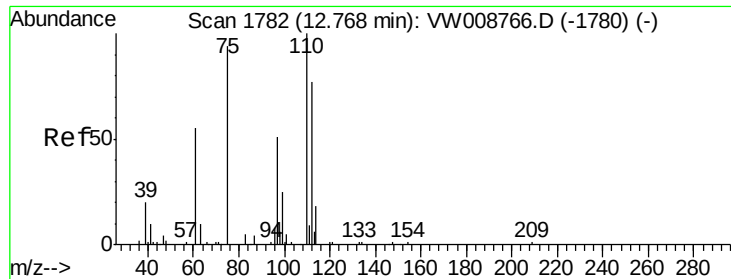
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008882.D
Acq: 28 Feb 2019 12:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.6	85.8
150	155.7	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: 62.132 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008882.D

Acq: 28 Feb 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

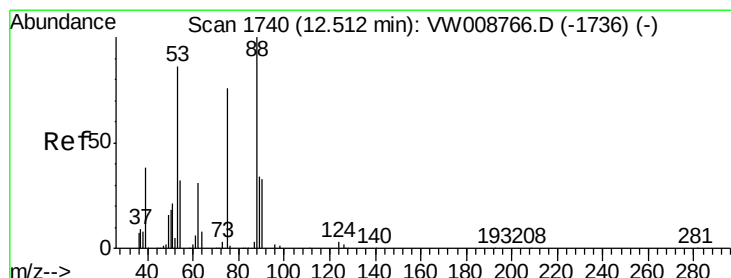
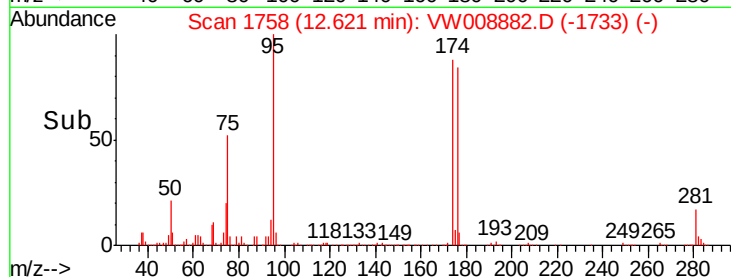
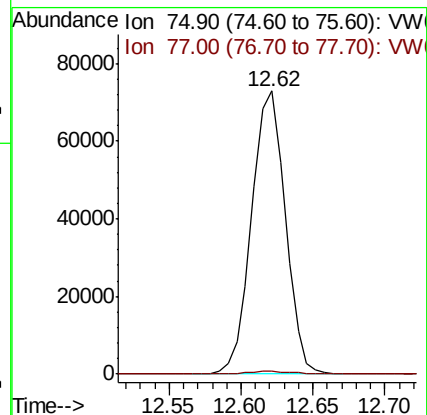
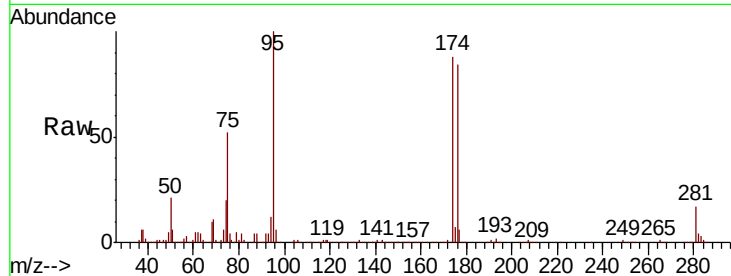
B-1(17-18)

Tot Ion: 75 Resp: 117998

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.047 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008882.D

Acq: 28 Feb 2019 12:53

Tgt Ion: 75 Resp: 117998

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.2 39.5 59.3#

