

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008827.D
 Acq On : 26 Feb 2019 13:43
 Operator : SY/VA
 Sample : K1610-05
 Misc : 7.10G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WV-C

Quant Time: Feb 27 05:57:35 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	33097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	47325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	38920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	16060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	18894	60.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.74%	
35) Dibromofluoromethane	7.89	113	15189	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
50) Toluene-d8	10.32	98	53007	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.62	95	16894	39.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.68%	

Target Compounds

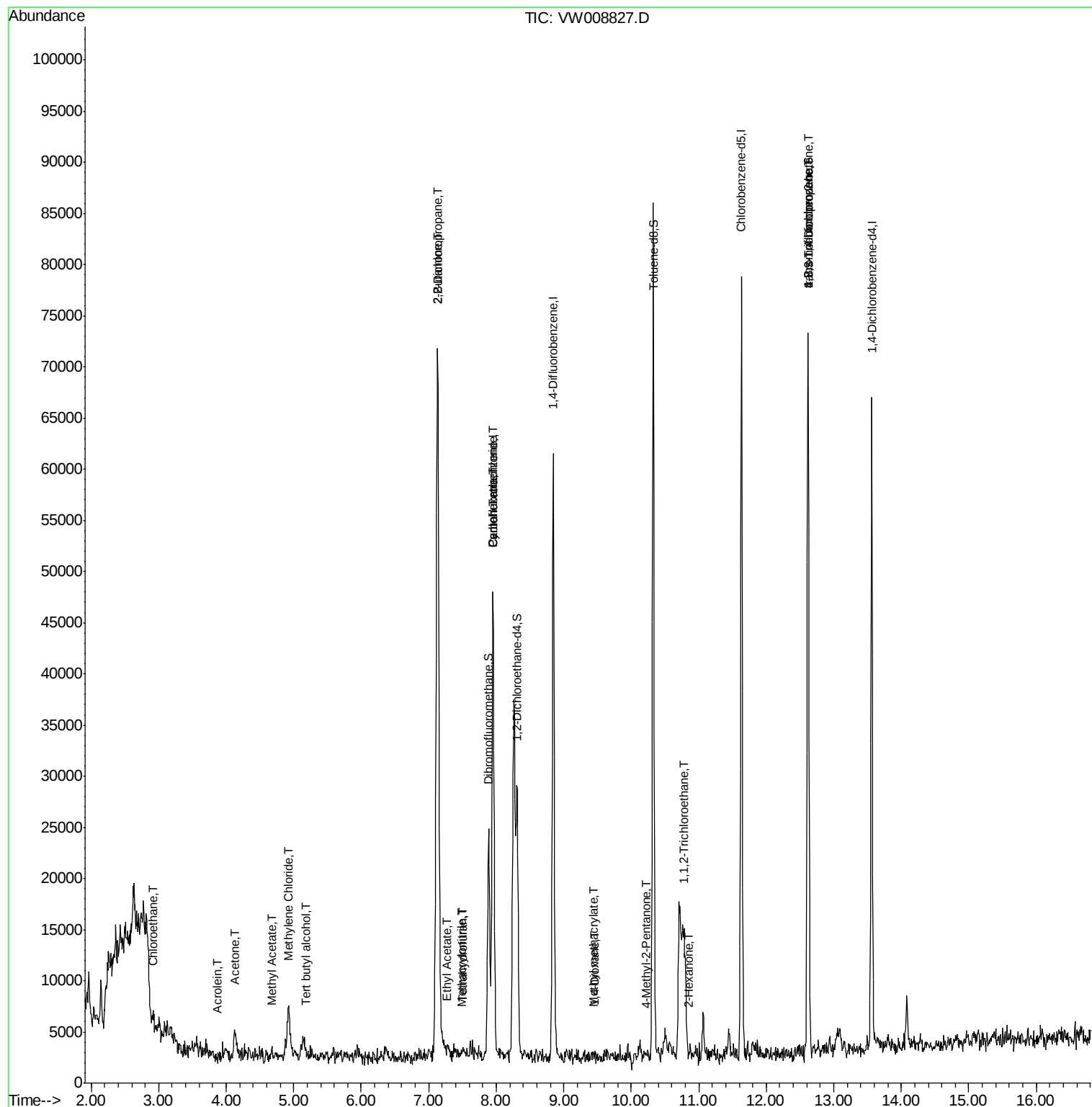
						Qvalue
6) Chloroethane	2.92	64	345	1.137	ug/l #	43
11) Tert butyl alcohol	5.19	59	69	2.497	ug/l #	1
13) Acrolein	3.87	56	117	23.476	ug/l #	61
16) Acetone	4.12	43	4867	67.642	ug/l	97
18) Methyl Acetate	4.67	43	559	3.275	ug/l #	60
20) Methylene Chloride	4.92	84	2903	3.432	ug/l #	72
25) 2-Butanone	7.13	43	4270	42.448	ug/l #	83
26) 2,2-Dichloropropane	7.13	77	4954	9.438	ug/l #	57
29) Tetrahydrofuran	7.51	42	488	7.612	ug/l #	51
31) Cyclohexane	7.95	56	854	1.459	ug/l #	33
37) Ethyl Acetate	7.27	43	262	1.223	ug/l #	59
38) Carbon Tetrachloride	7.95	117	3201	6.589	ug/l #	18
41) Methacrylonitrile	7.49	41	239	1.898	ug/l #	51
48) Methyl methacrylate	9.45	41	271	1.323	ug/l #	42
49) 1,4-Dioxane	9.45	88	22	7.946	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	314	1.447	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	372	1.587	ug/l #	41
59) 2-Hexanone	10.85	43	274	1.773	ug/l	67
76) 1,2,3-Trichloropropane	12.62	75	8896	67.091	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8896	163.103	ug/l #	6

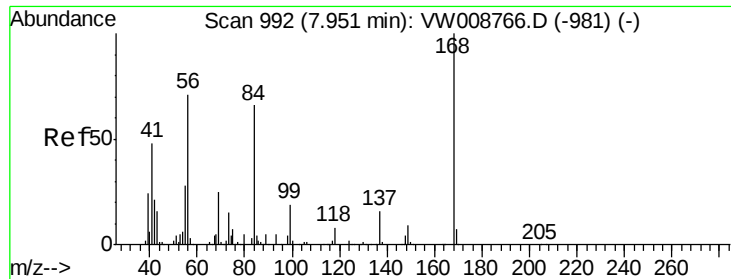
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008827.D
Acq On : 26 Feb 2019 13:43
Operator : SY/VA
Sample : K1610-05
Misc : 7.10G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WV-C

Quant Time: Feb 27 05:57:35 2019
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# 992

Delta R.T. 0.00 min

Lab File: VW008827.D

Acq: 26 Feb 2019 13:43

Instrument :

MSVOA_W

ClientSampled :

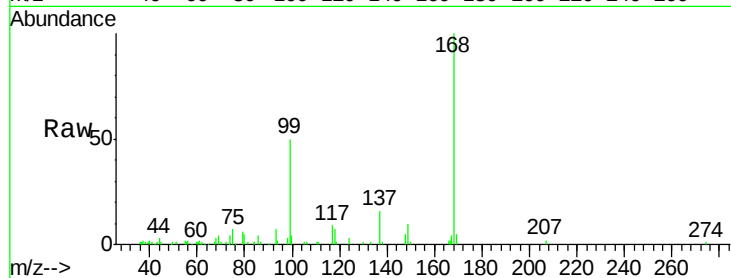
WV-C

Tot Ion:168 Resp: 33097

Ion Ratio Lower Upper

168 100

99 50.3 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

15000

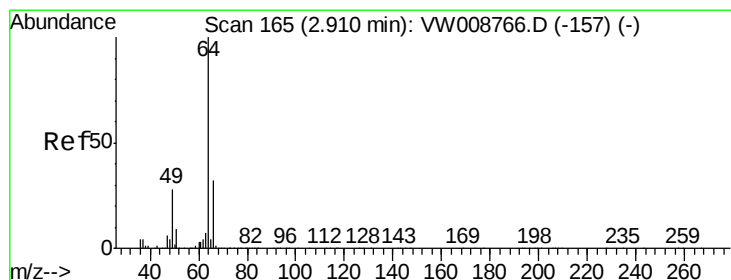
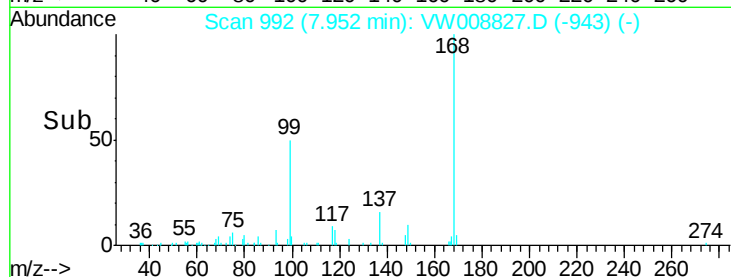
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#6

Chloroethane

Concen: 1.137 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008827.D

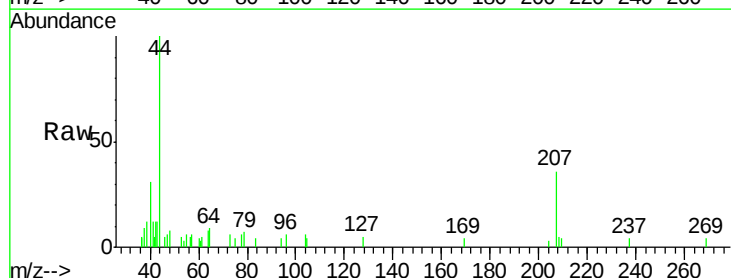
Acq: 26 Feb 2019 13:43

Tgt Ion: 64 Resp: 345

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

300

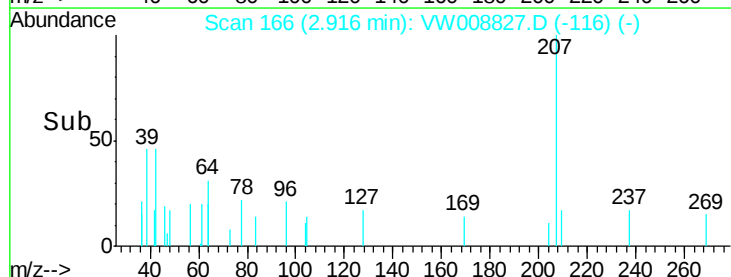
200

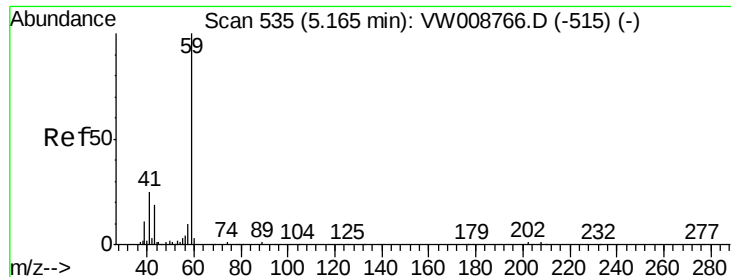
100

0

2.88 2.90 2.92 2.94

Time-->



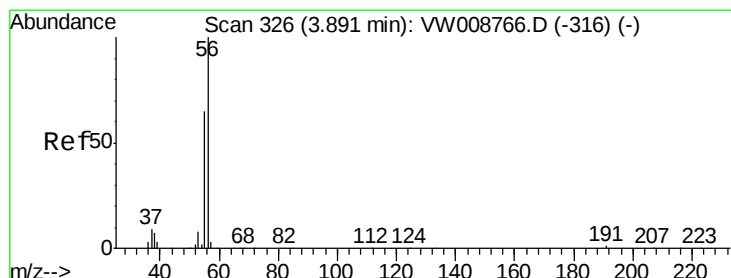
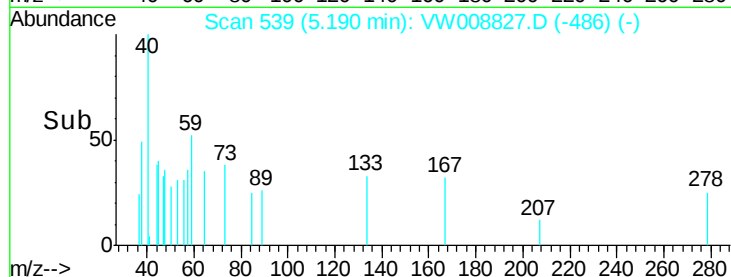
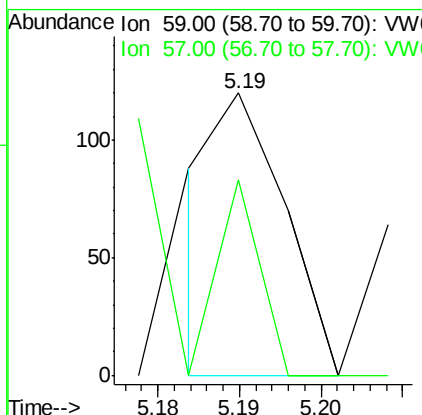
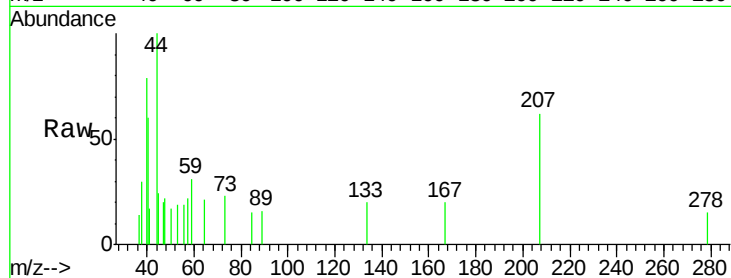


#11

Tert butyl alcohol
 Concen: 2.497 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW008827.D
 Acq: 26 Feb 2019 13:43

Instrument :
 MSVOA_W
 ClientSampled :
 WV-C

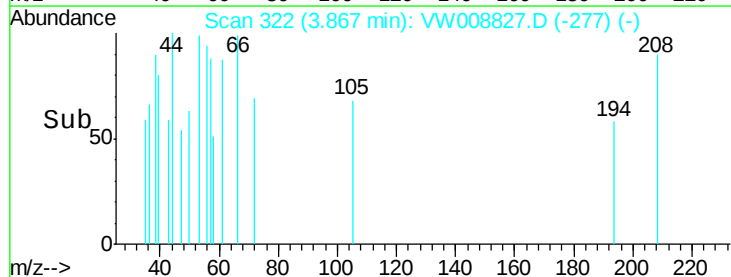
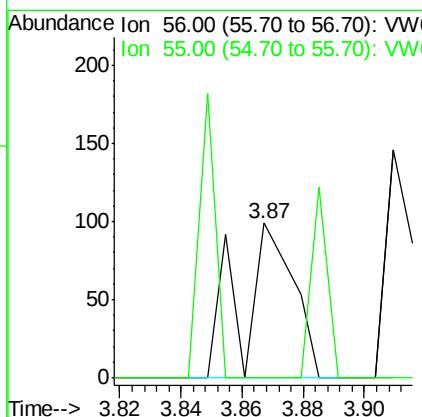
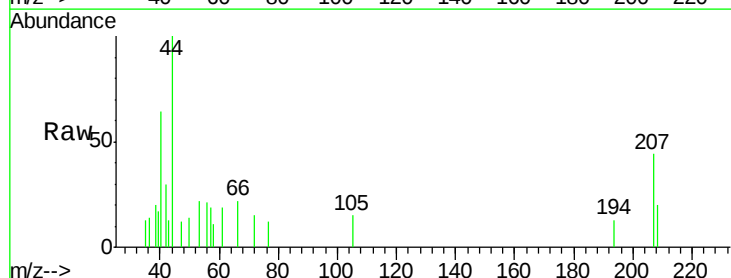
Tot Ion: 59 Resp: 69
 Ion Ratio Lower Upper
 59 100
 57 101.4 9.3 13.9#

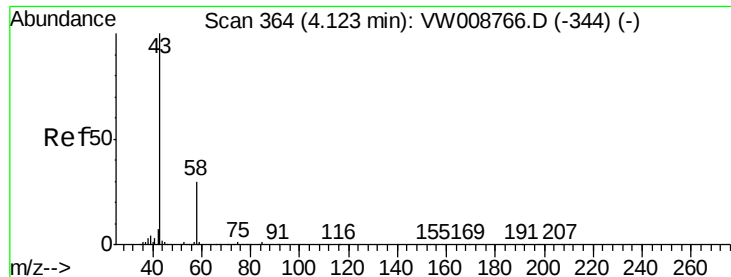


#13

Acrolein
 Concen: 23.476 ug/l
 RT: 3.87 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: VW008827.D
 Acq: 26 Feb 2019 13:43

Tgt Ion: 56 Resp: 117
 Ion Ratio Lower Upper
 56 100
 55 38.5 56.9 85.3#





#16

Acetone

Concen: 67.642 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008827.D

Acq: 26 Feb 2019 13:43

Instrument :

MSVOA_W

ClientSampled :

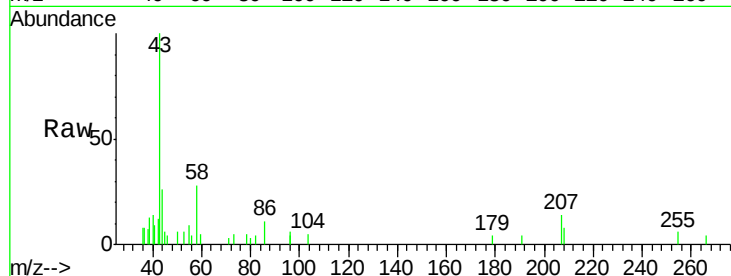
WV-C

Tot Ion: 43 Resp: 4867

Ion Ratio Lower Upper

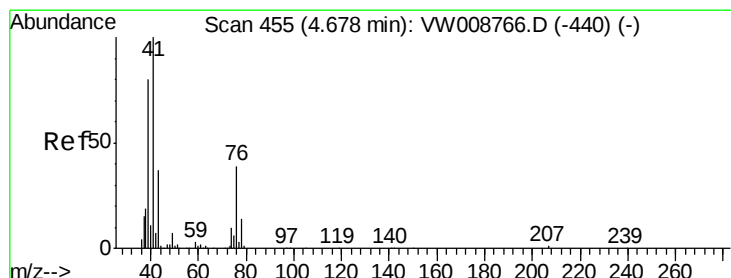
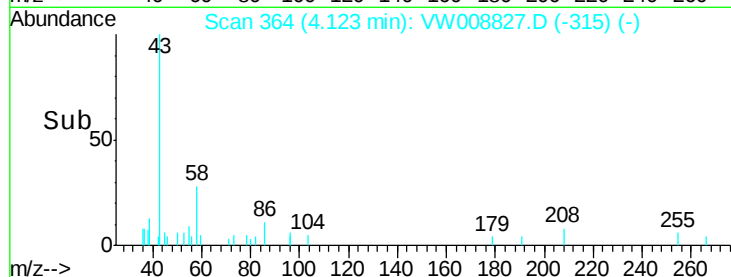
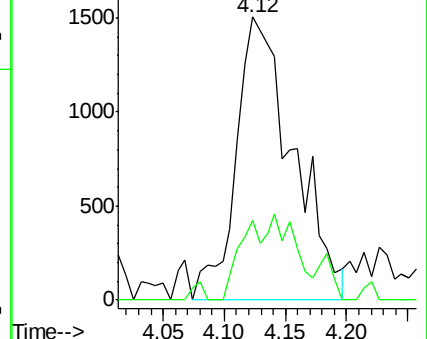
43 100

58 28.3 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 3.275 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008827.D

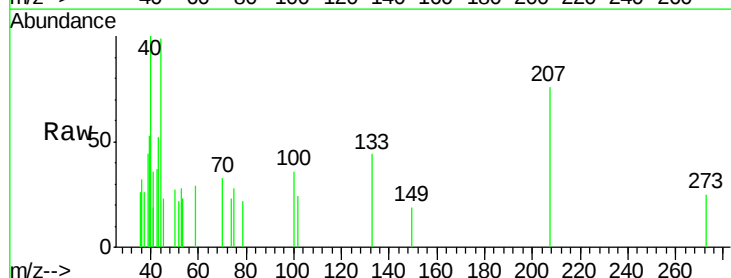
Acq: 26 Feb 2019 13:43

Tgt Ion: 43 Resp: 559

Ion Ratio Lower Upper

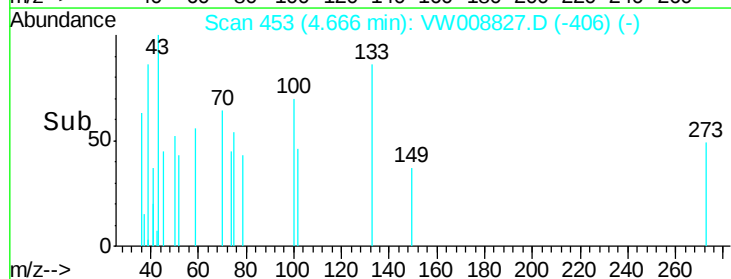
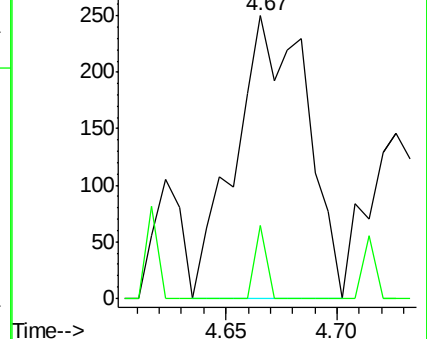
43 100

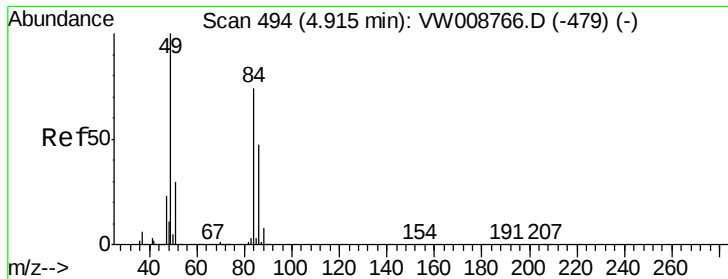
74 4.3 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

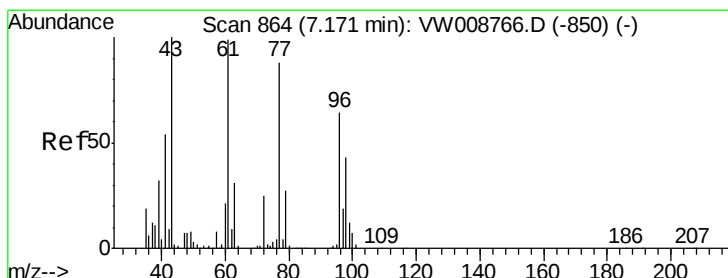
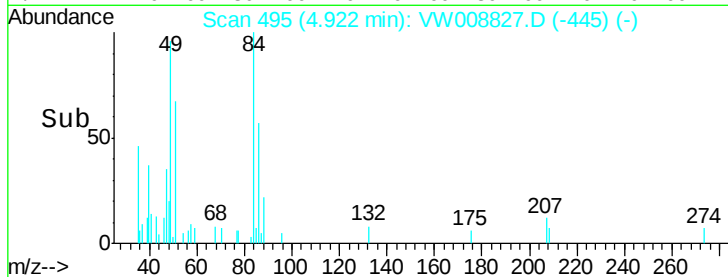
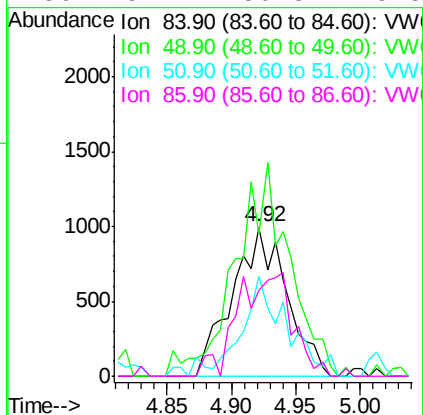
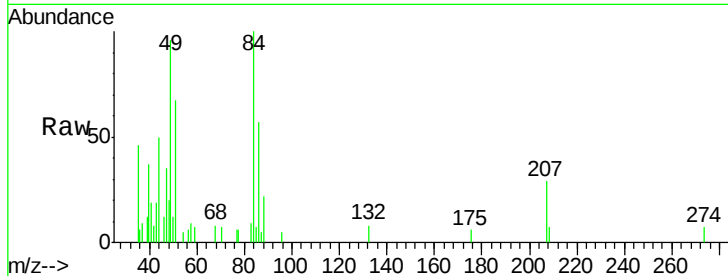




#20
Methvlene Chloride
Concen: 3.432 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

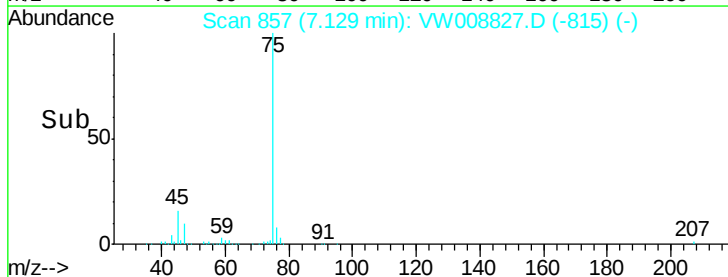
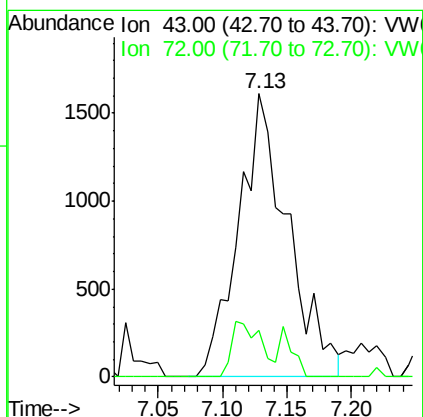
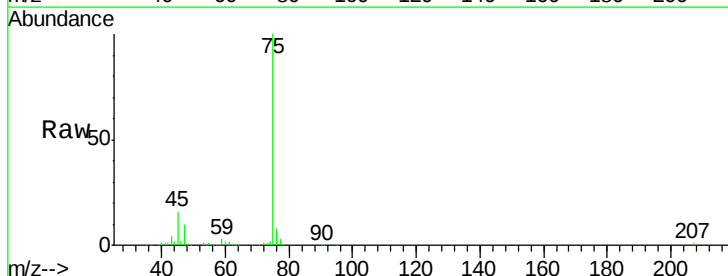
Instrument :
MSVOA_W
ClientSampled :
WV-C

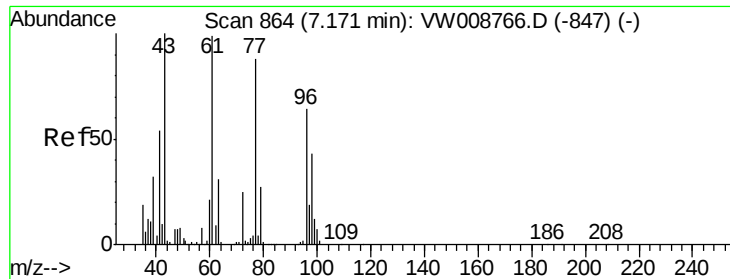
Tot Ion: 84 Resp: 2903
Ion Ratio Lower Upper
84 100
49 95.6 108.2 162.2#
51 67.1 32.7 49.1#
86 57.2 50.3 75.5



#25
2-Butanone
Concen: 42.448 ug/l
RT: 7.13 min Scan# 857
Delta R.T. -0.04 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

Tgt Ion: 43 Resp: 4270
Ion Ratio Lower Upper
43 100
72 16.3 19.7 29.5#

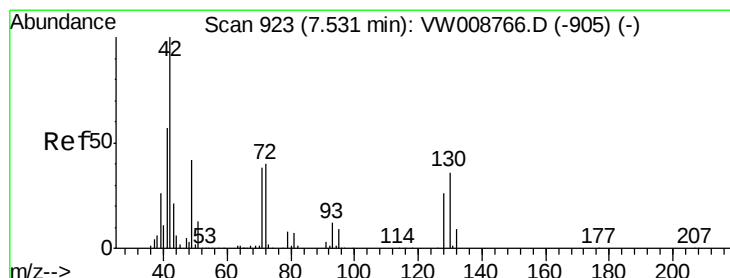
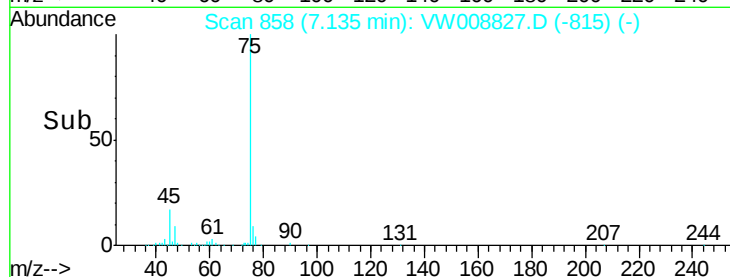
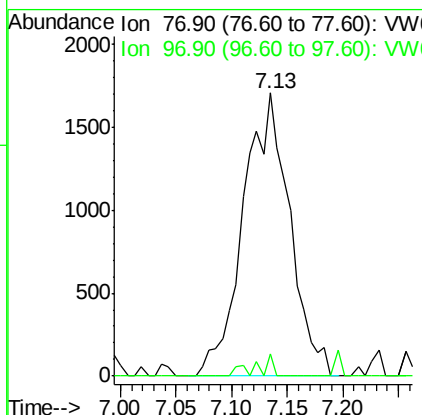
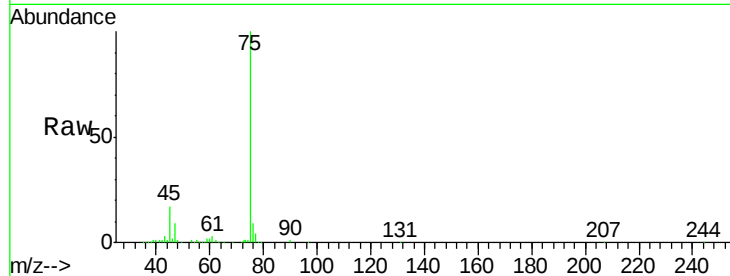




#26
 2,2-Dichloropropane
 Concen: 9.438 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.04 min
 Lab File: VW008827.D
 Acq: 26 Feb 2019 13:43

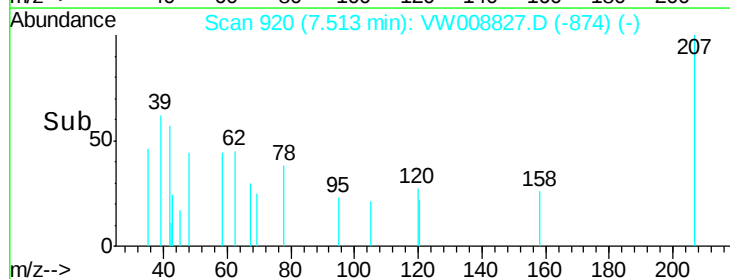
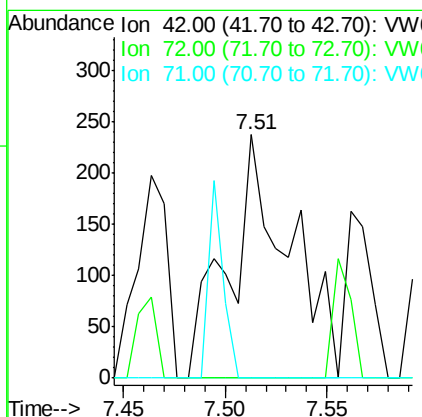
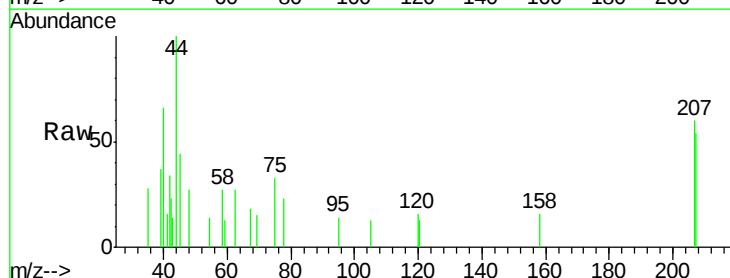
Instrument :
 MSVOA_W
 ClientSampleId :
 WV-C

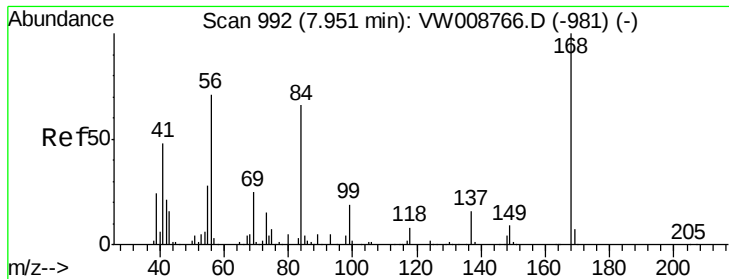
Tot Ion: 77 Resp: 4954
 Ion Ratio Lower Upper
 77 100
 97 1.7 11.0 33.0#



#29
 Tetrahydrofuran
 Concen: 7.612 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: VW008827.D
 Acq: 26 Feb 2019 13:43

Tgt Ion: 42 Resp: 488
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.7 49.1#
 71 19.9 31.3 46.9#





#31

Cyclohexane

Concen: 1.459 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008827.D

Acq: 26 Feb 2019 13:43

Instrument :

MSVOA_W

ClientSampled :

WV-C

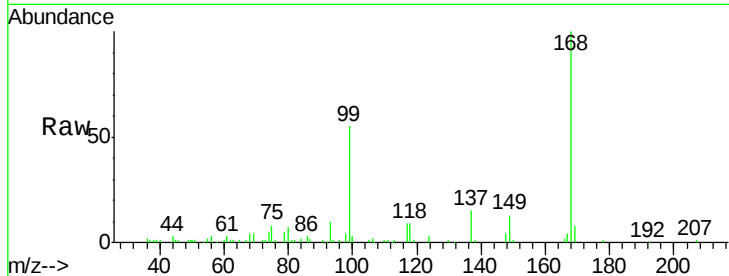
Tot Ion: 56 Resp: 854

Ion Ratio Lower Upper

56 100

69 167.3 28.2 42.4#

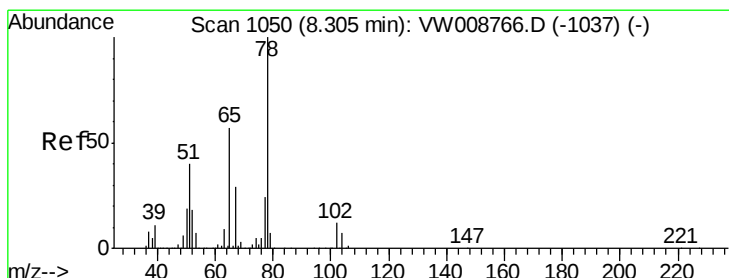
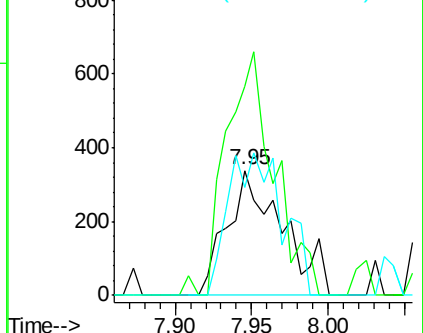
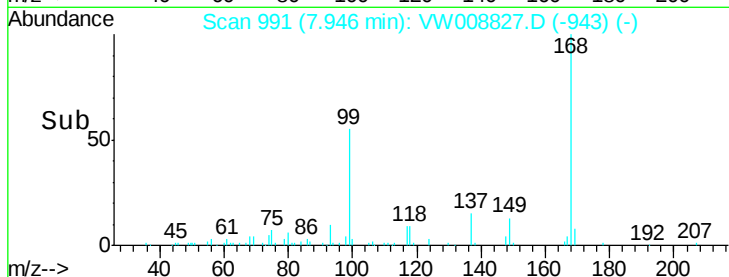
84 86.1 74.1 111.1



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: 60.866 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW008827.D

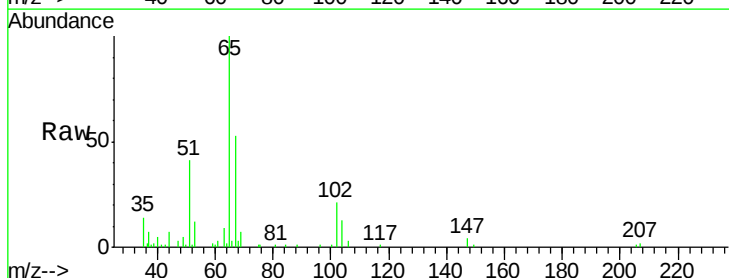
Acq: 26 Feb 2019 13:43

Tgt Ion: 65 Resp: 18894

Ion Ratio Lower Upper

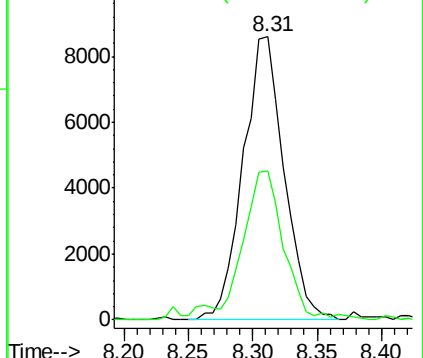
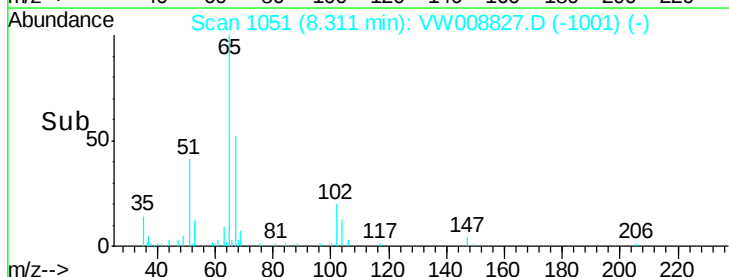
65 100

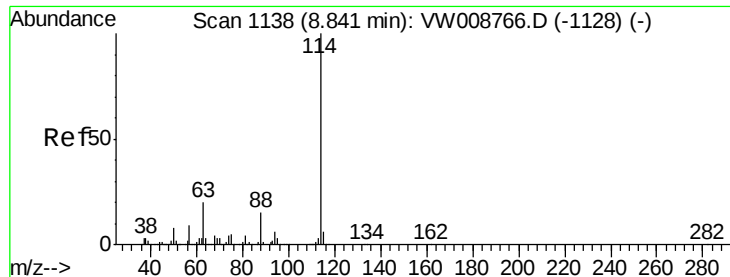
67 51.0 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

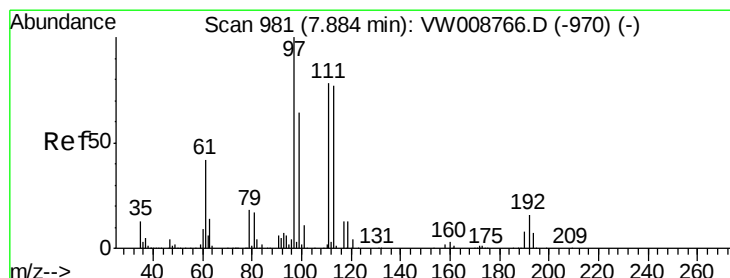
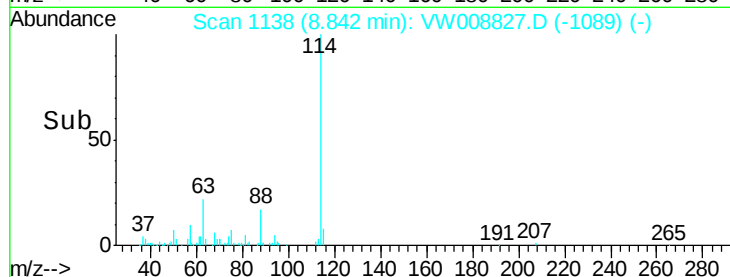
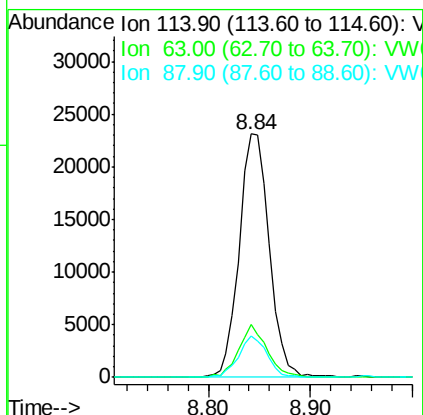
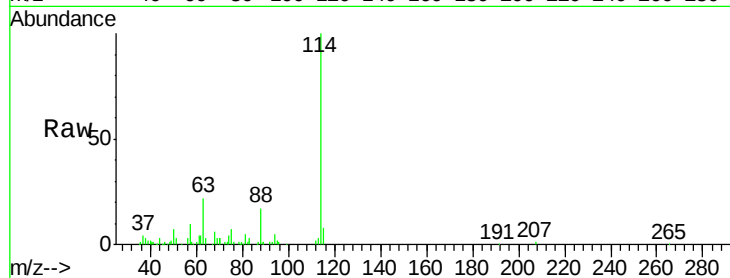




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

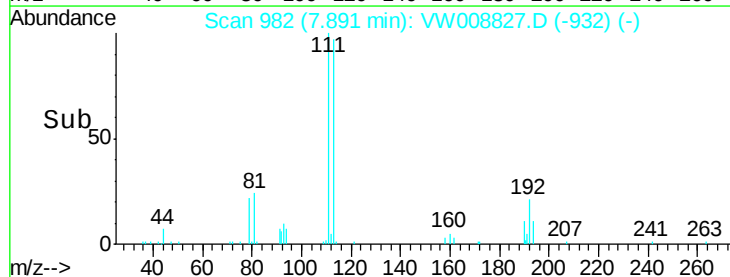
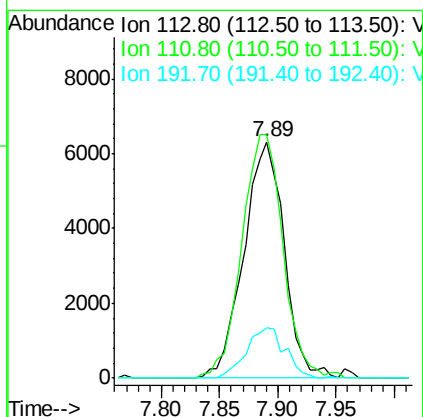
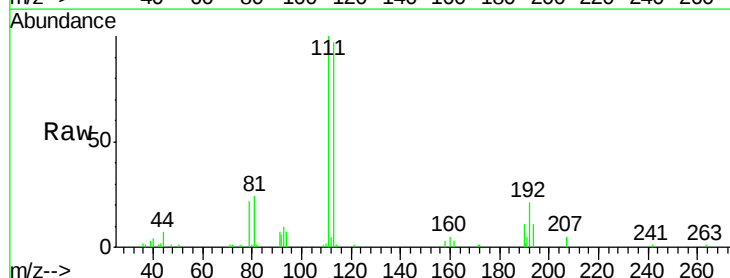
Instrument :
MSVOA_W
ClientSampleId :
WV-C

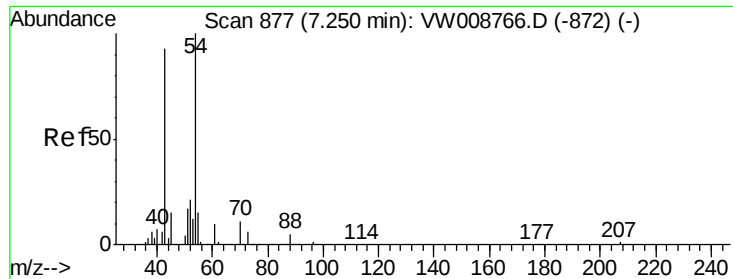
Tot Ion:114 Resp: 47325
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 17.2 0.0 30.4



#35
Dibromofluoromethane
Concen: 53.455 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.01 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

Tgt Ion:113 Resp: 15189
Ion Ratio Lower Upper
113 100
111 105.8 81.9 122.9
192 20.5 17.1 25.7

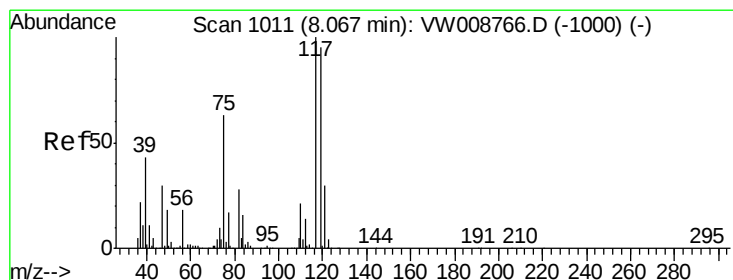
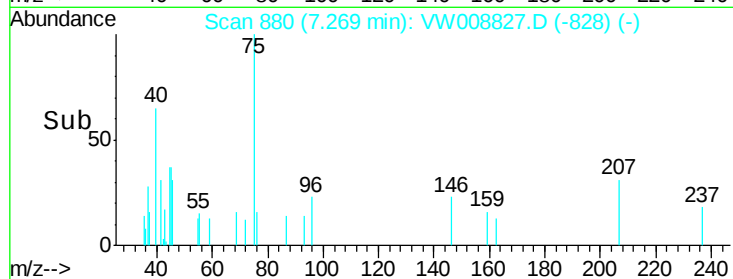
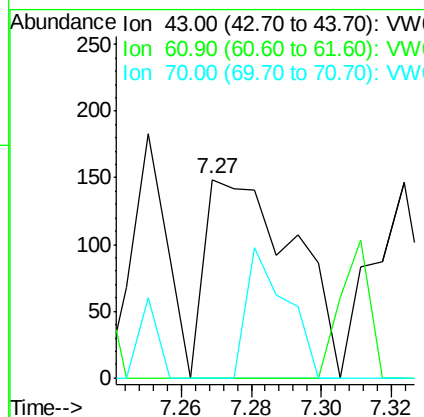
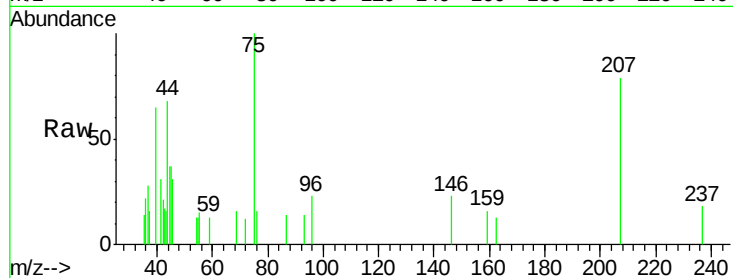




#37
Ethyl Acetate
Concen: 1.223 ug/l
RT: 7.27 min Scan# 880
Delta R.T. 0.02 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

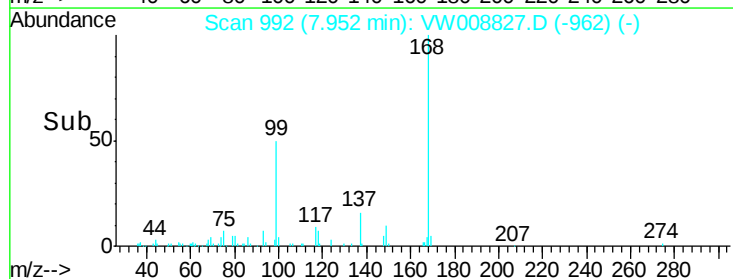
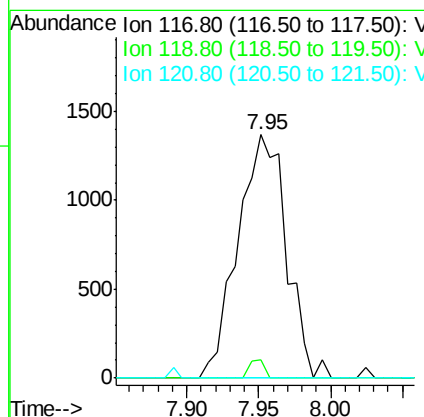
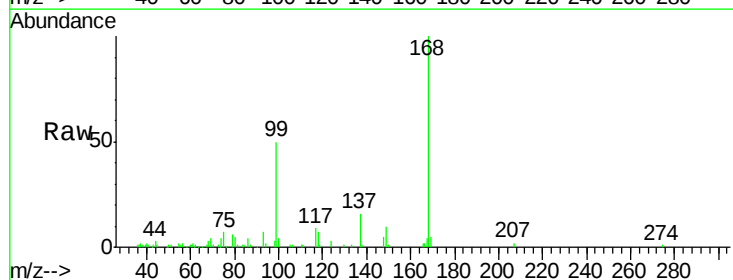
Instrument :
MSVOA_W
ClientSampleId :
WV-C

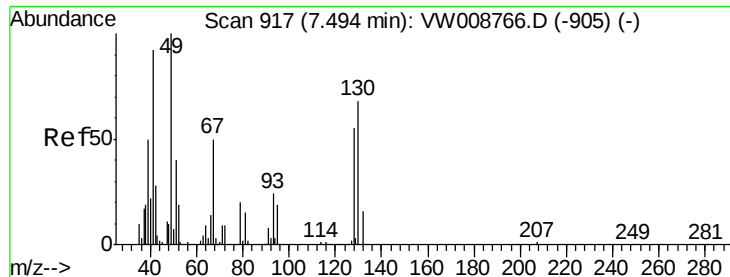
Tot Ion: 43 Resp: 262
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 29.8 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.589 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

Tgt Ion: 117 Resp: 3201
Ion Ratio Lower Upper
117 100
119 7.7 76.1 114.1#
121 0.0 24.0 36.0#

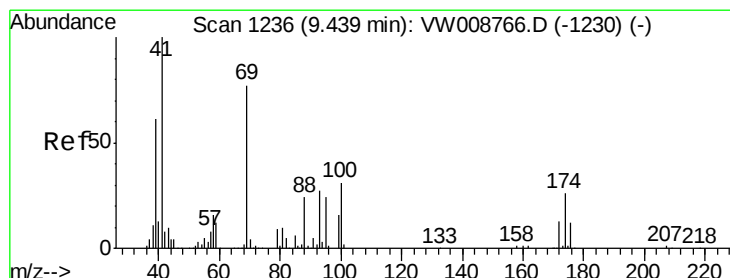
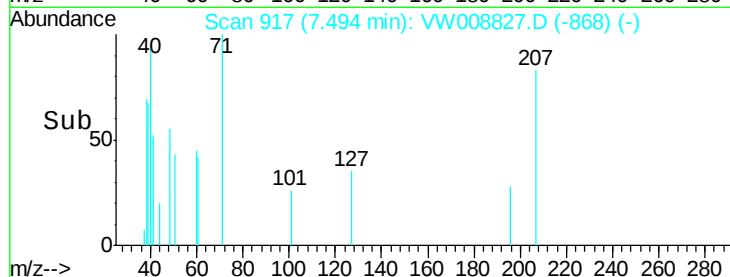
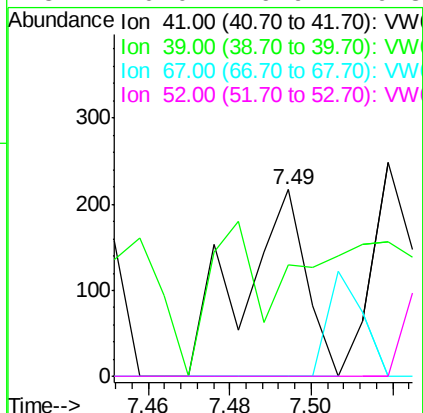
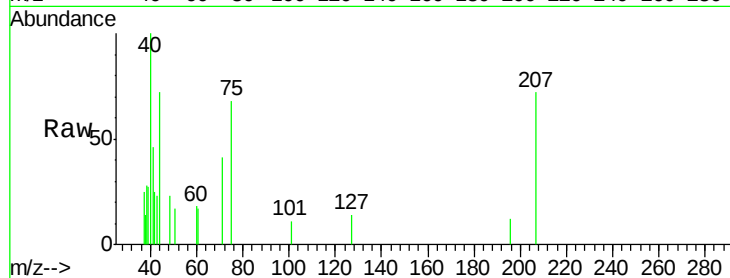




#41
Methacrylonitrile
Concen: 1.898 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

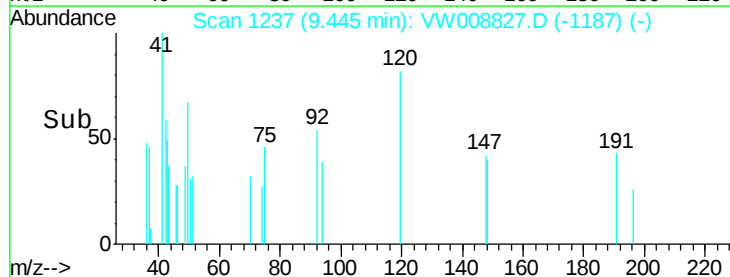
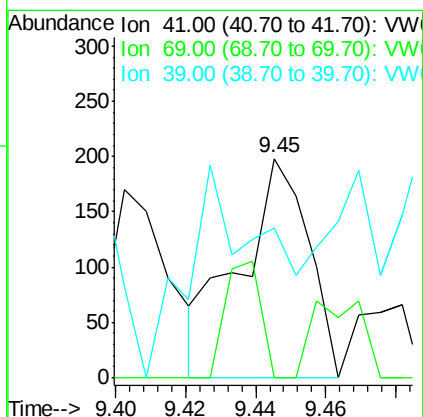
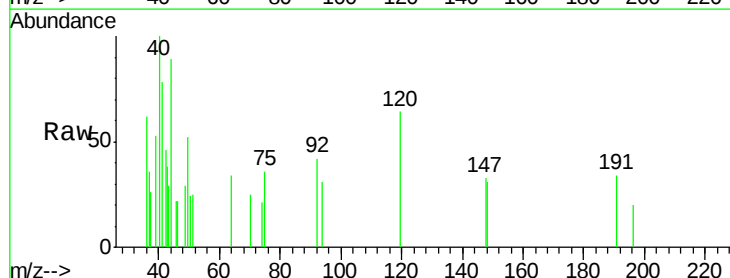
Instrument :
MSVOA_W
ClientSampled :
WV-C

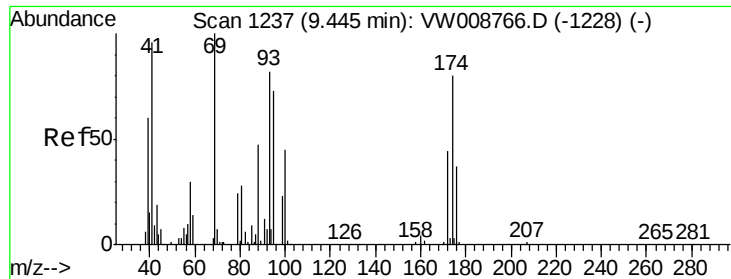
Tot Ion:	41	Resp:	239
Ion	Ratio	Lower	Upper
41	100		
39	59.4	52.5	78.7
67	0.0	55.0	82.6#
52	0.0	26.9	40.3#



#48
Methyl methacrylate
Concen: 1.323 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

Tgt Ion:	41	Resp:	271
Ion	Ratio	Lower	Upper
41	100		
69	27.7	63.6	95.4#
39	110.3	52.1	78.1#

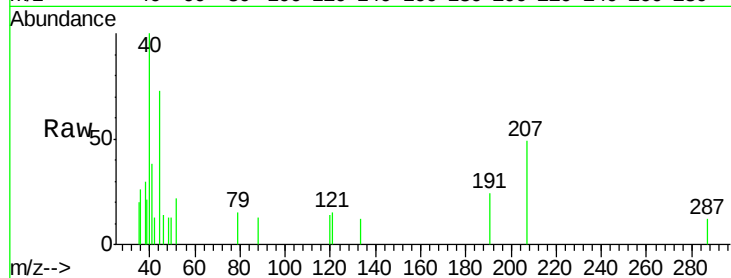




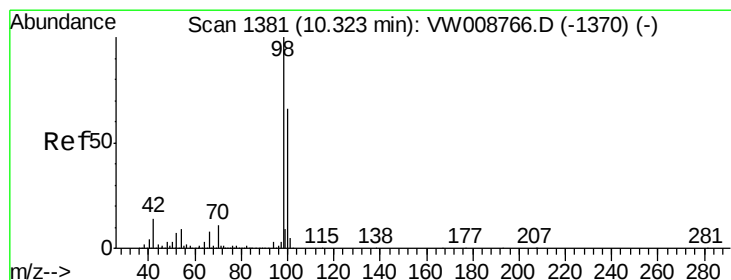
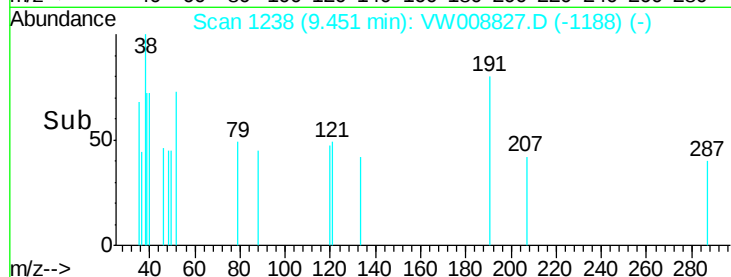
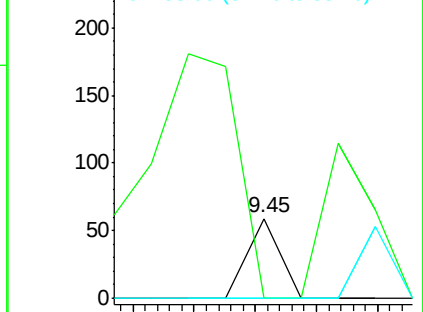
#49
1,4-Dioxane
Concen: 7.946 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

Instrument :
MSVOA_W
ClientSampled :
WV-C

Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 981.8 29.0 43.4#
58 0.0 52.0 78.0#

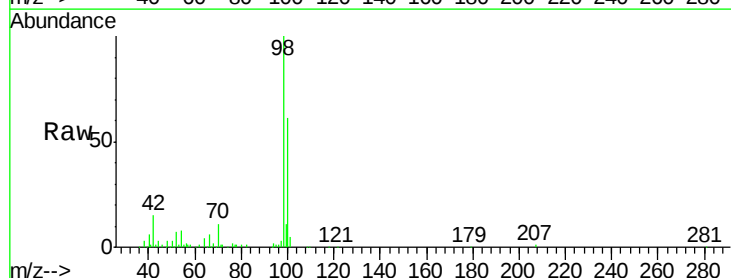


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

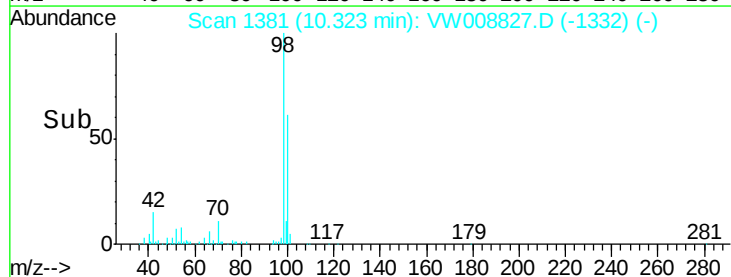
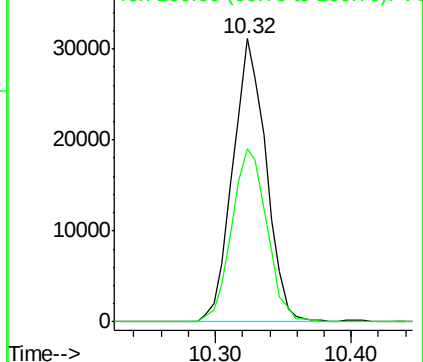


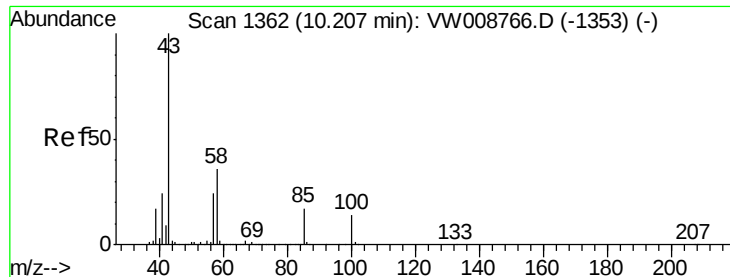
#50
Toluene-d8
Concen: 48.325 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

Tgt Ion: 98 Resp: 53007
Ion Ratio Lower Upper
98 100
100 64.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

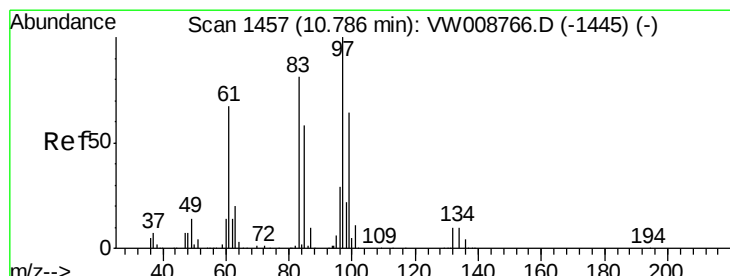
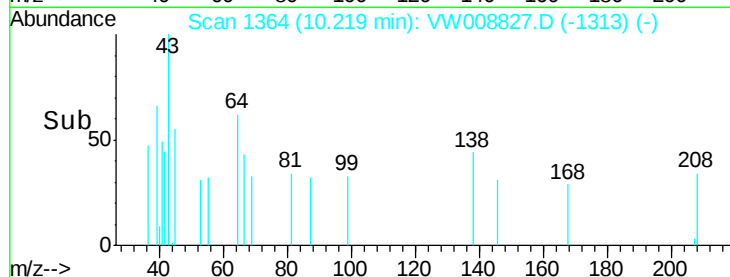
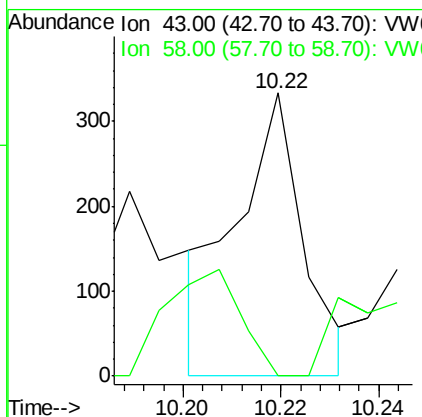
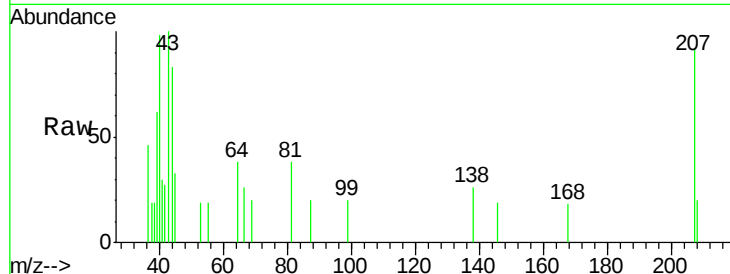




#51
4-Methyl-2-Pentanone
Concen: 1.447 ug/l
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

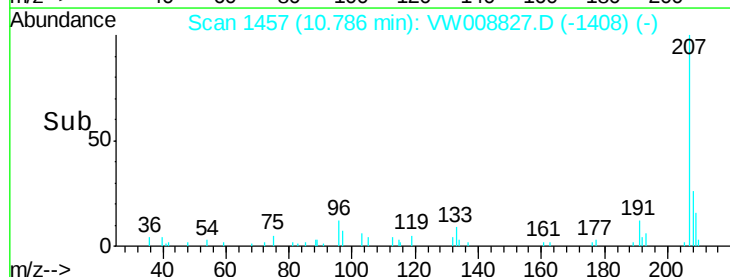
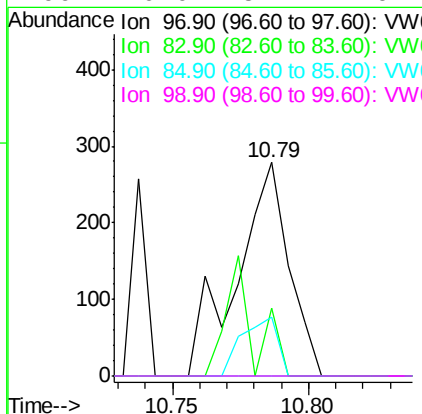
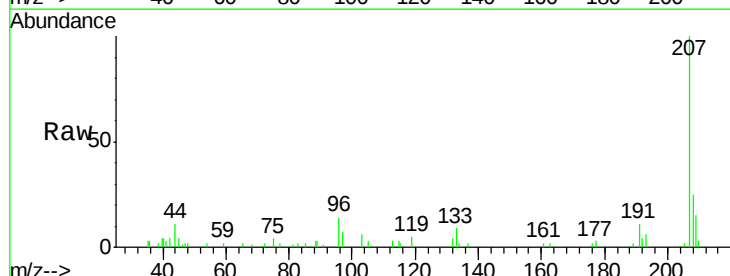
Instrument :
MSVOA_W
ClientSampled :
WV-C

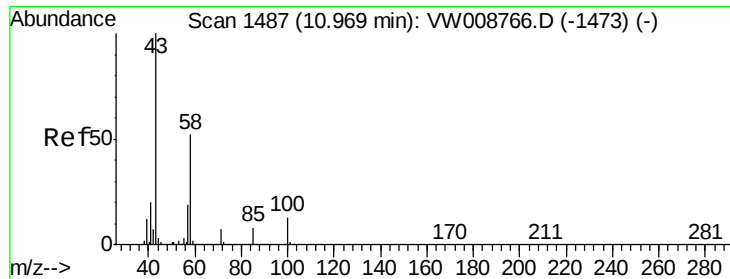
Tot Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
58 36.9 29.1 43.7



#55
1,1,2-Trichloroethane
Concen: 1.587 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

Tgt Ion: 97 Resp: 372
Ion Ratio Lower Upper
97 100
83 31.9 65.0 97.6#
85 28.0 46.0 69.0#
99 0.0 51.1 76.7#





#59

2-Hexanone

Concen: 1.773 ug/l

RT: 10.85 min Scan# 1467

Delta R.T. -0.12 min

Lab File: VW008827.D

Acq: 26 Feb 2019 13:43

Instrument :

MSVOA_W

ClientSampled :

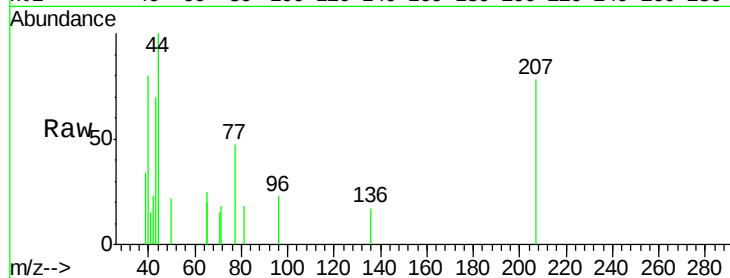
WV-C

Tot Ion: 43 Resp: 274

Ion Ratio Lower Upper

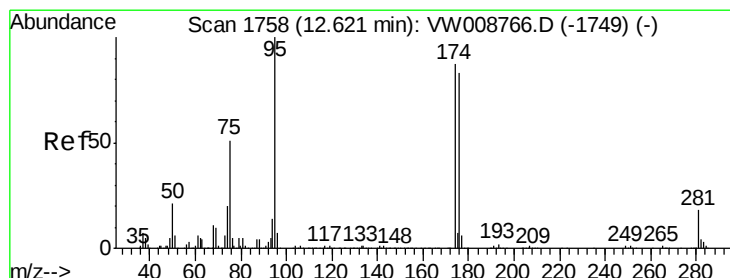
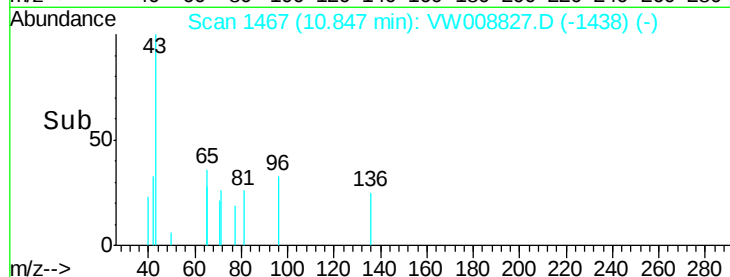
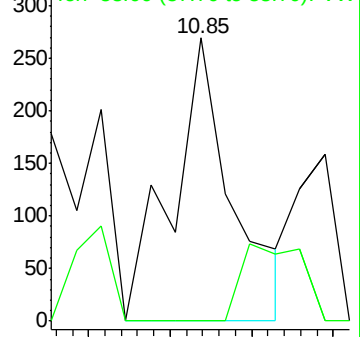
43 100

58 27.4 25.3 75.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 39.336 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008827.D

Acq: 26 Feb 2019 13:43

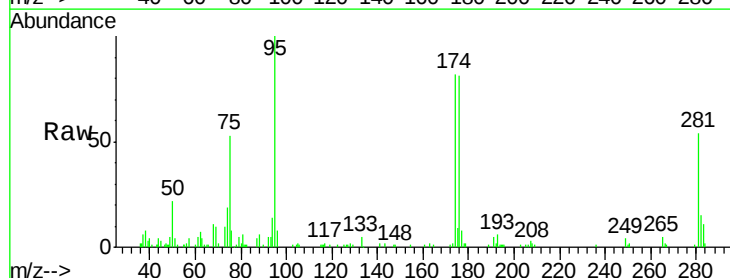
Tgt Ion: 95 Resp: 16894

Ion Ratio Lower Upper

95 100

174 84.7 0.0 169.2

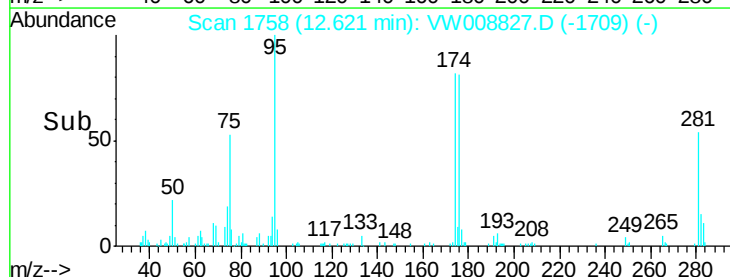
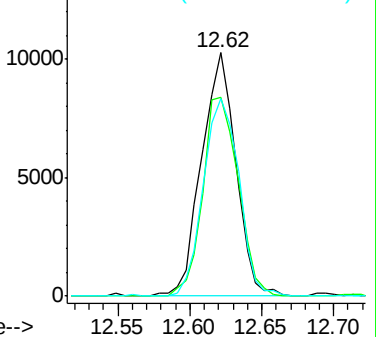
176 84.2 0.0 163.6

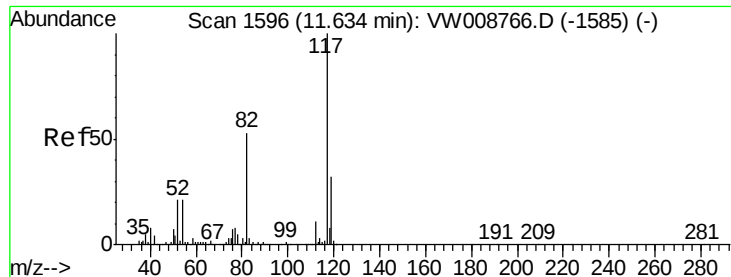


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

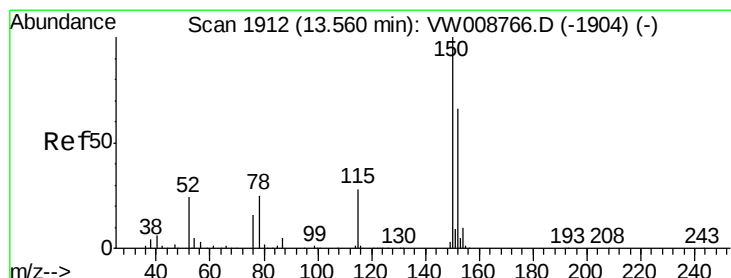
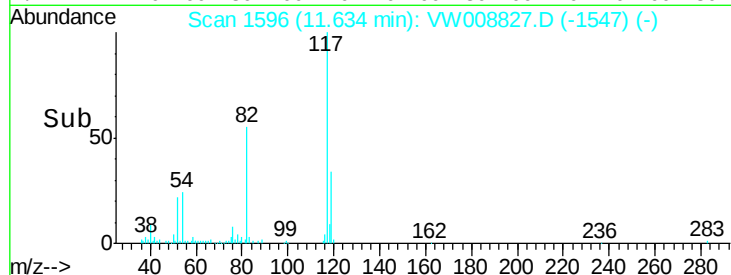
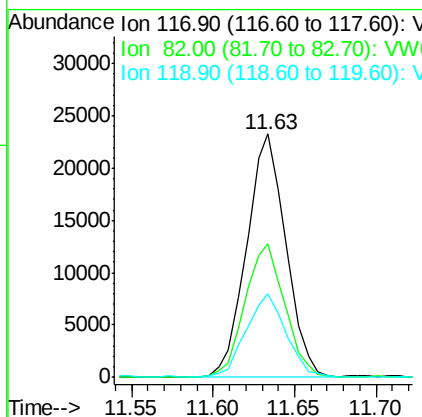
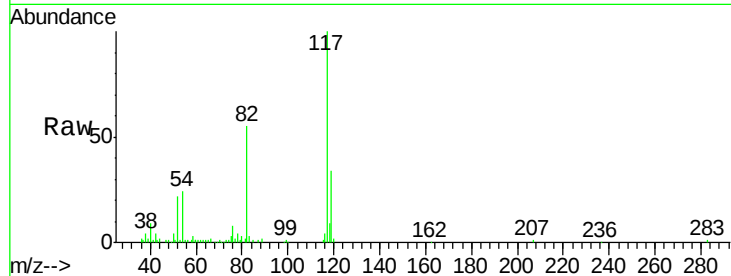




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

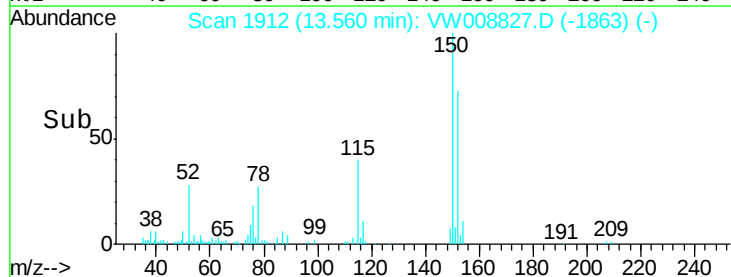
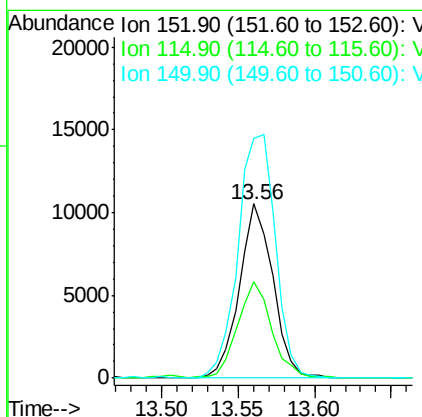
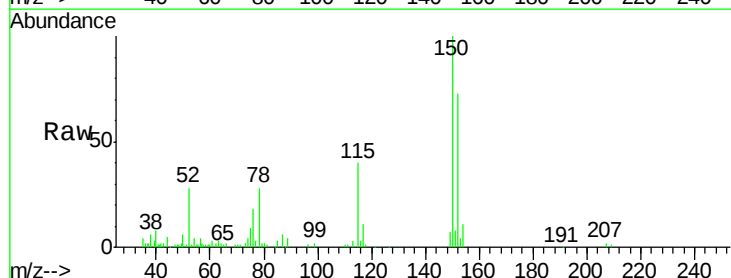
Instrument :
MSVOA_W
ClientSampleId :
WV-C

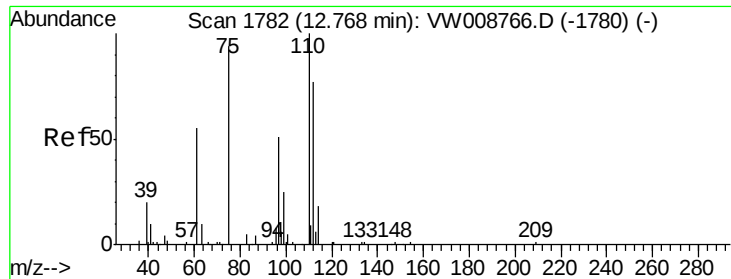
Tot Ion:117 Resp: 38920
Ion Ratio Lower Upper
117 100
82 55.1 42.2 63.4
119 34.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008827.D
Acq: 26 Feb 2019 13:43

Tgt Ion:152 Resp: 16060
Ion Ratio Lower Upper
152 100
115 56.5 28.6 85.8
150 155.5 0.0 348.0

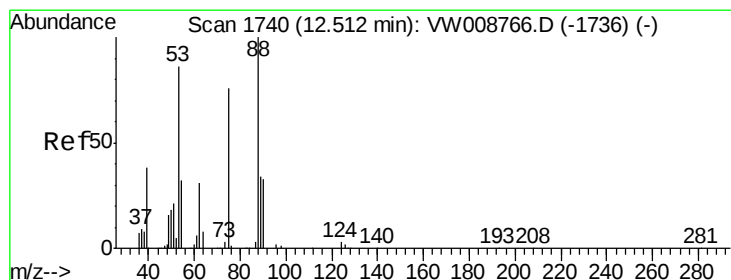
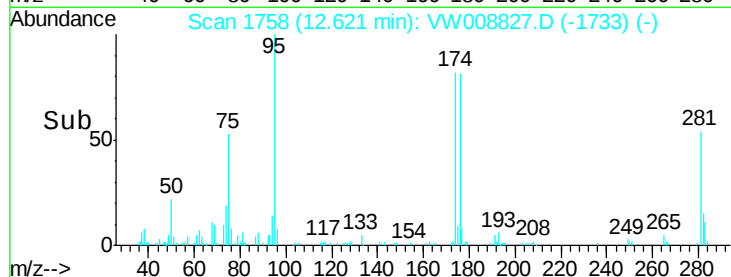
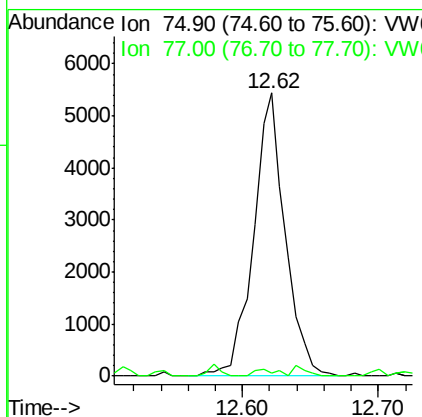
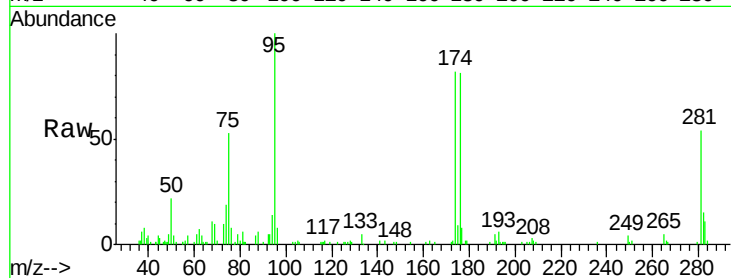




#76
 1,2,3-Trichloropropane
 Concen: 67.091 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008827.D
 Acq: 26 Feb 2019 13:43

Instrument :
 MSVOA_W
 ClientSampled :
 WV-C

Tot Ion: 75 Resp: 8896
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.103 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008827.D
 Acq: 26 Feb 2019 13:43

Tgt Ion: 75 Resp: 8896
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.2 132.2#
 89 0.0 39.5 59.3#

