

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008898.D
 Acq On : 28 Feb 2019 20:03
 Operator : SY/VA
 Sample : K1655-02
 Misc : 6.41G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-2

Quant Time: Mar 01 06:03:09 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	320221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208983	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	190226	63.34	ug/l	0.00
Spiked Amount			Recovery	=	126.68%	
35) Dibromofluoromethane	7.88	113	149720	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	10.32	98	578088	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.62	95	207132	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	

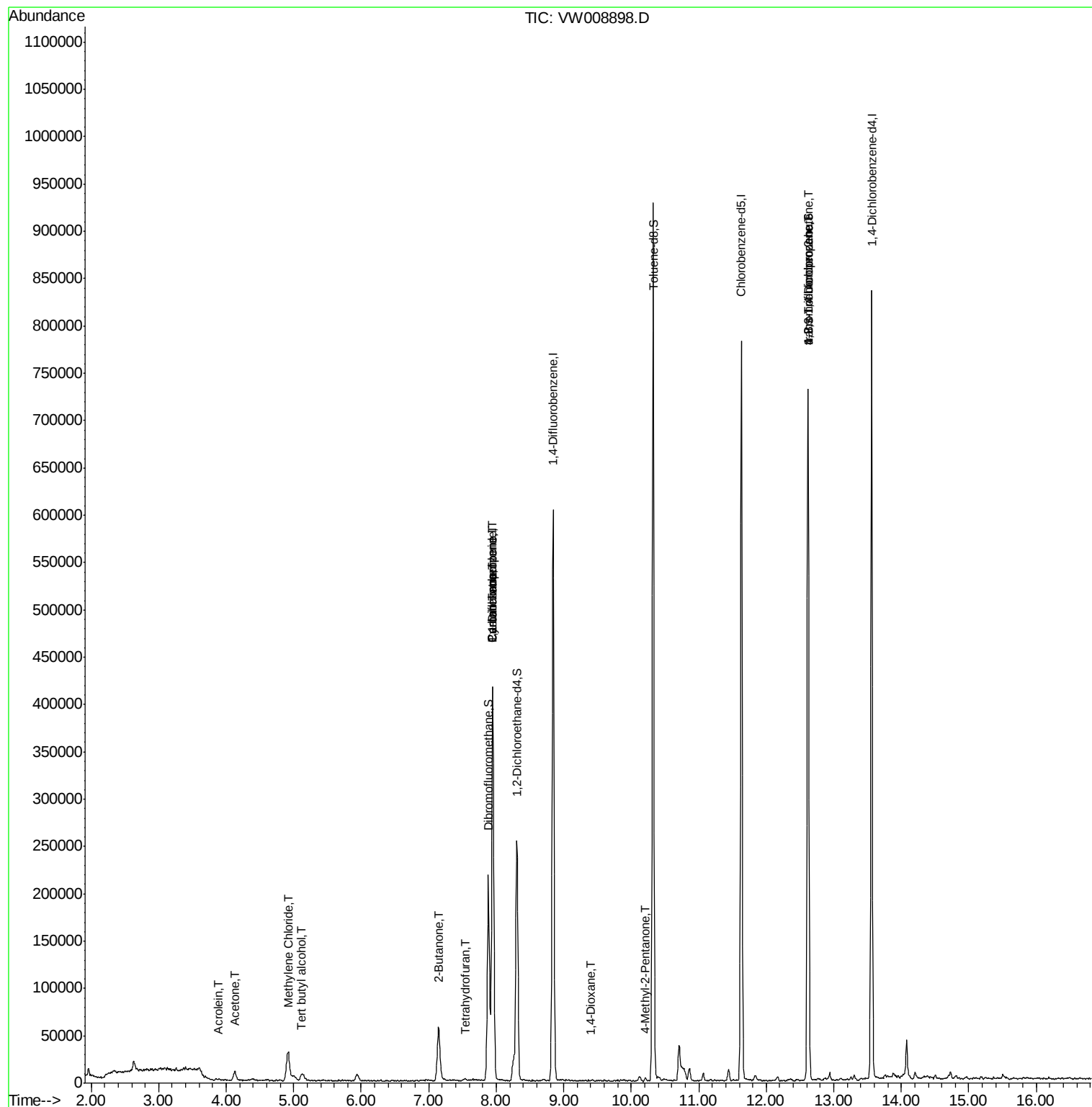
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	7534	28.177	ug/l #	73
13) Acrolein	3.88	56	151	20.273	ug/l #	73
16) Acetone	4.13	43	17299	24.849	ug/l	100
20) Methylene Chloride	4.91	84	23563	1.962	ug/l	91
25) 2-Butanone	7.14	43	3155	3.242	ug/l #	65
29) Tetrahydrofuran	7.53	42	886	1.428	ug/l #	65
31) Cyclohexane	7.95	56	7467	1.319	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	24792	5.171	ug/l #	52
38) Carbon Tetrachloride	7.95	117	30611	6.054	ug/l #	17
49) 1,4-Dioxane	9.40	88	38	1.319	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2429	1.075	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	107023	62.027	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	107023	150.792	ug/l #	6

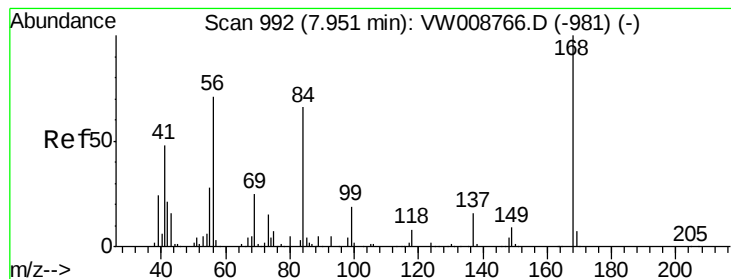
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008898.D

Acq: 28 Feb 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

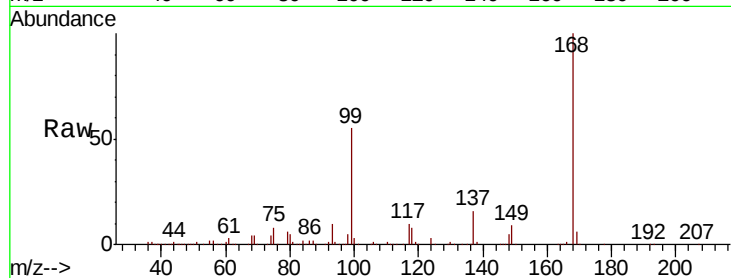
DUP-2

Tot Ion:168 Resp: 320221

Ion Ratio Lower Upper

168 100

99 55.4 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

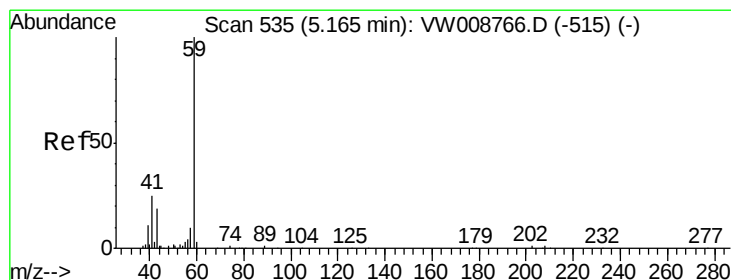
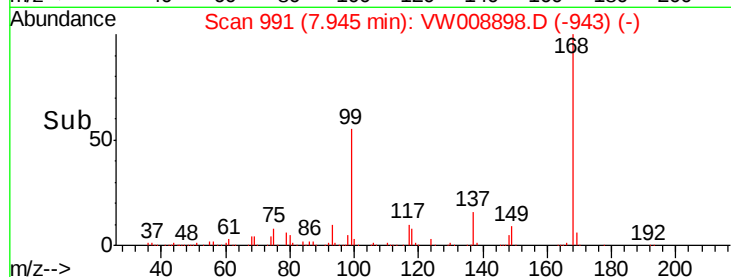
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 28.177 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW008898.D

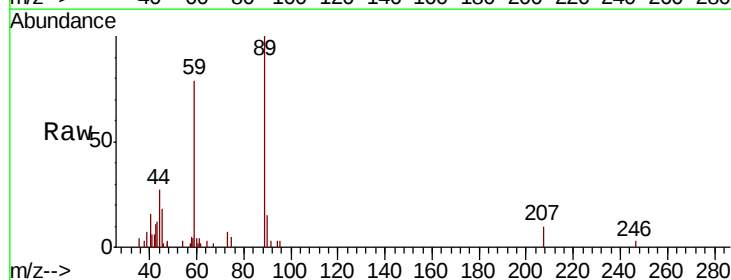
Acq: 28 Feb 2019 20:03

Tgt Ion: 59 Resp: 7534

Ion Ratio Lower Upper

59 100

57 1.4 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

2000

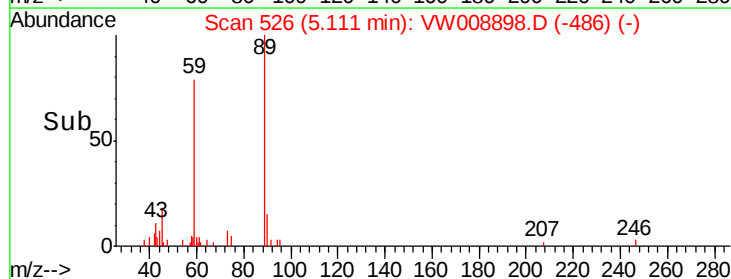
1500

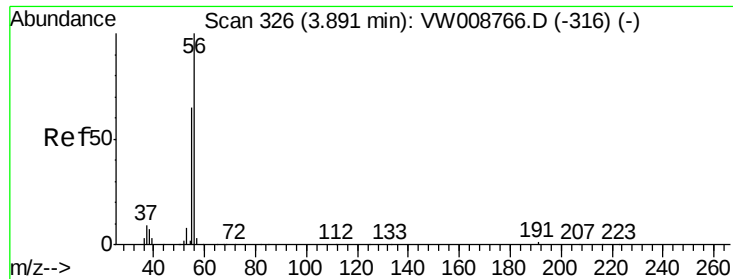
1000

500

0

Time--> 5.00 5.10 5.20 5.30





#13

Acrolein

Concen: 20.273 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008898.D

Acq: 28 Feb 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

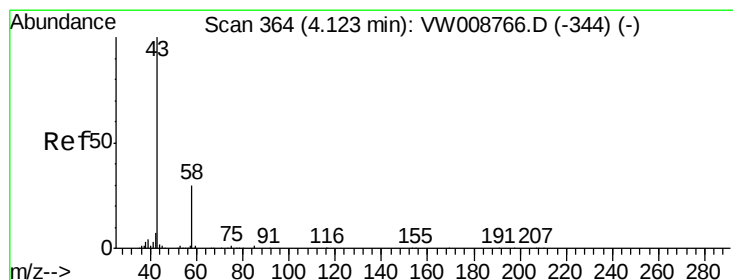
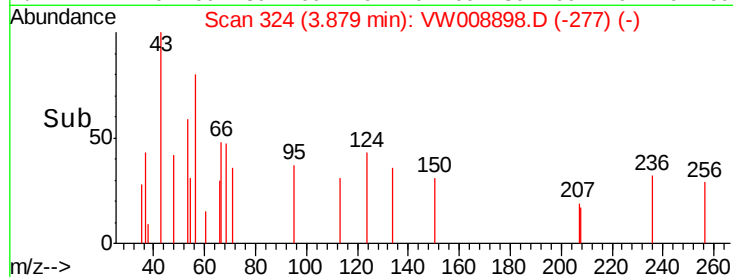
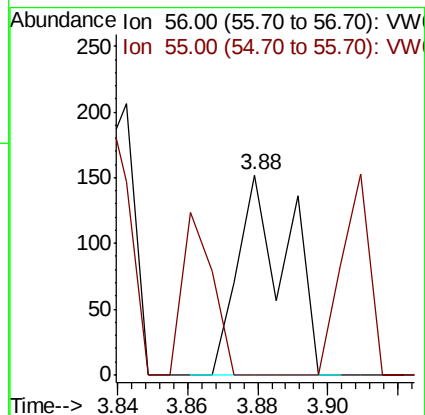
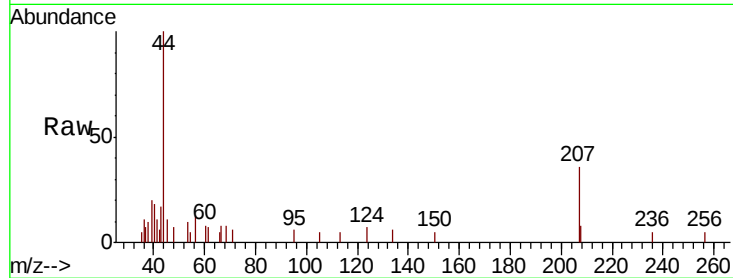
DUP-2

Tot Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 49.0 56.9 85.3#



#16

Acetone

Concen: 24.849 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008898.D

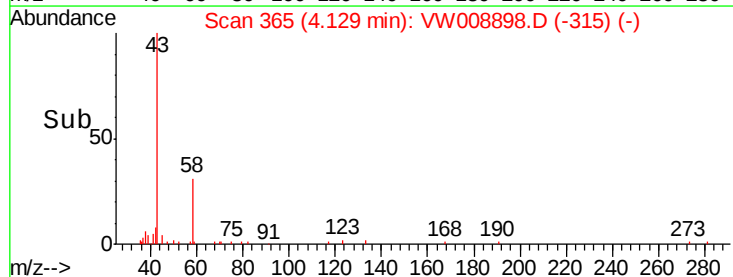
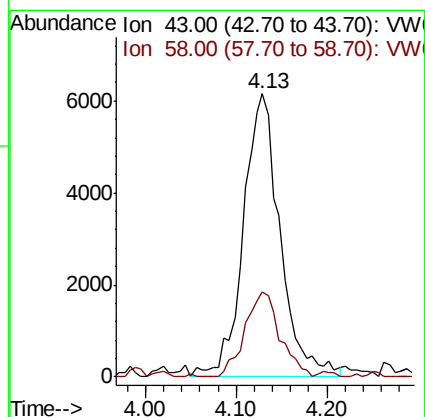
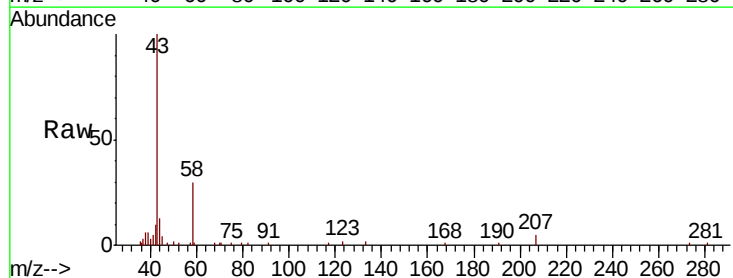
Acq: 28 Feb 2019 20:03

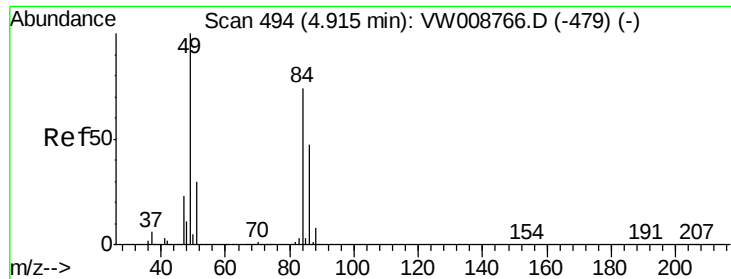
Tgt Ion: 43 Resp: 17299

Ion Ratio Lower Upper

43 100

58 30.0 23.8 35.6

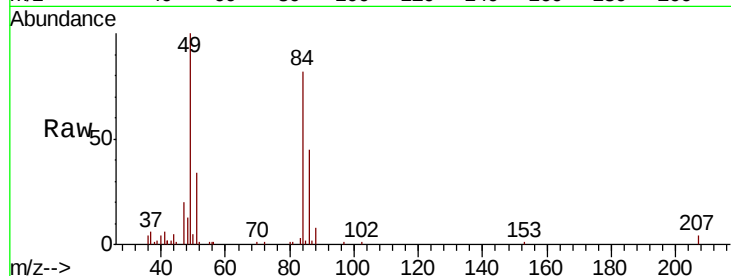




#20
Methvlene Chloride
Concen: 1.962 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008898.D
Acq: 28 Feb 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
DUP-2

Tot Ion:	84	Resp:	23563
Ion	Ratio	Lower	Upper
84	100		
49	122.3	108.2	162.2
51	41.9	32.7	49.1
86	55.6	50.3	75.5



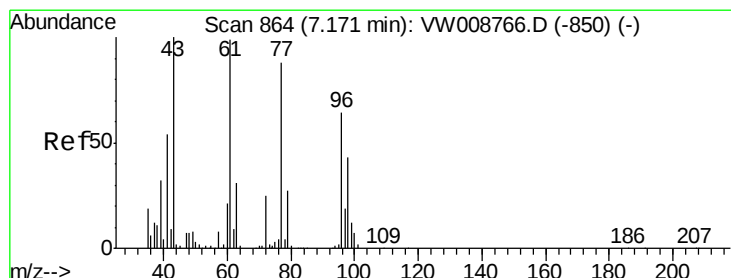
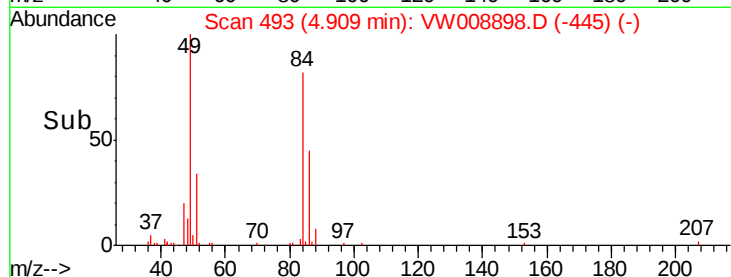
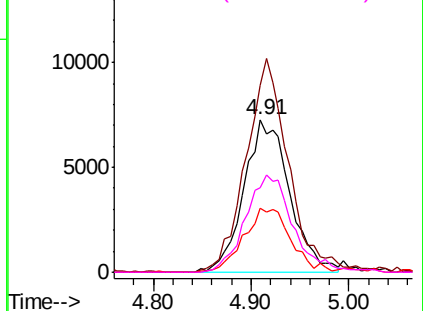
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

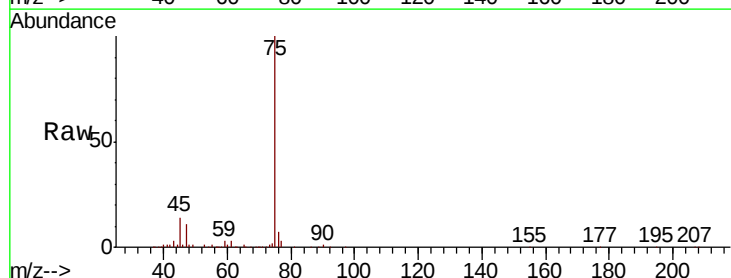
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 3.242 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008898.D
Acq: 28 Feb 2019 20:03

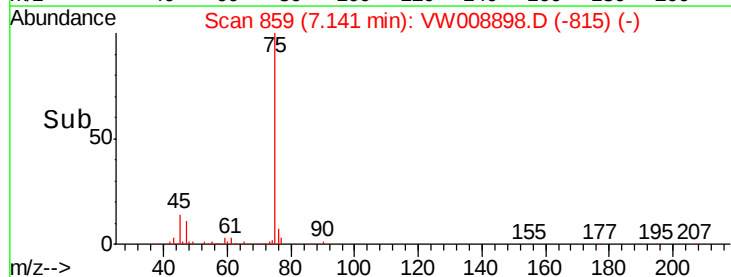
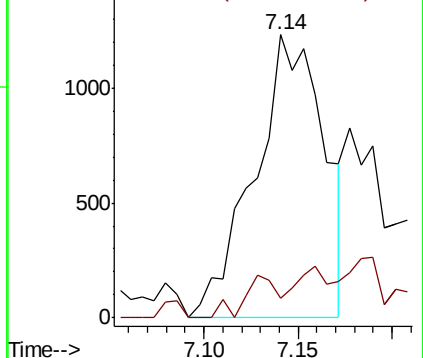
Tgt Ion:	43	Resp:	3155
Ion	Ratio	Lower	Upper
43	100		
72	7.1	19.7	29.5#

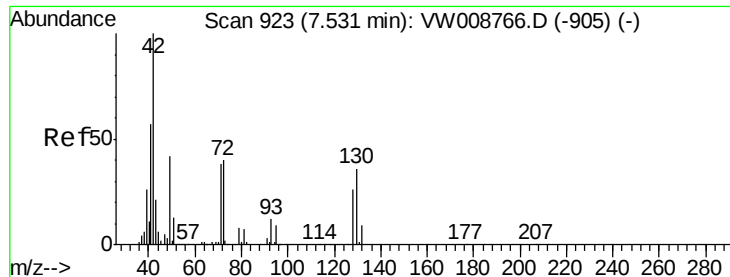


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.428 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008898.D

Acq: 28 Feb 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

DUP-2

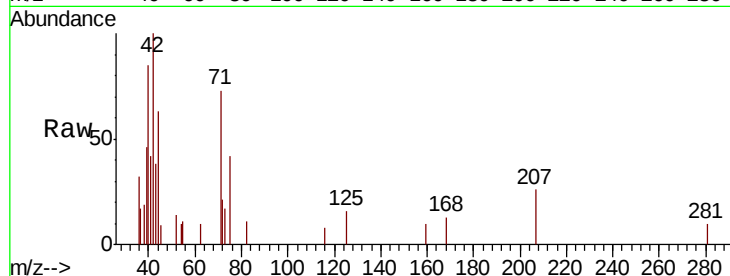
Tot Ion: 42 Resp: 886

Ion Ratio Lower Upper

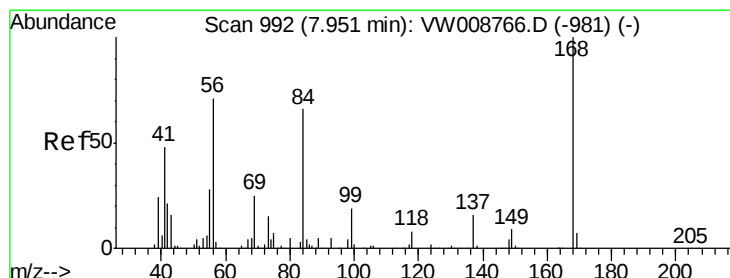
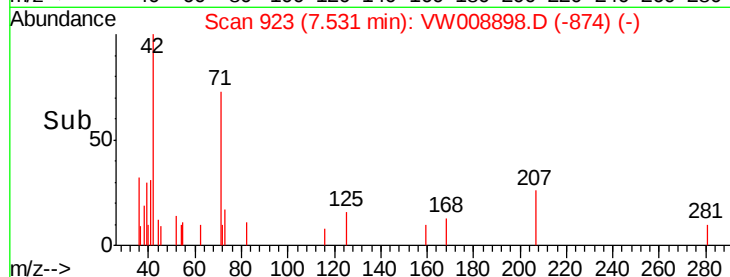
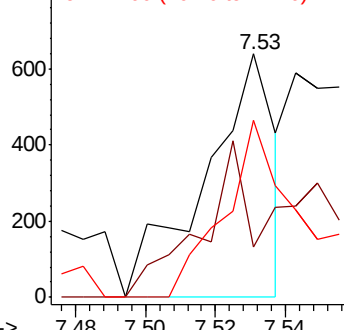
42 100

72 43.5 32.7 49.1

71 80.7 31.3 46.9#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.319 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008898.D

Acq: 28 Feb 2019 20:03

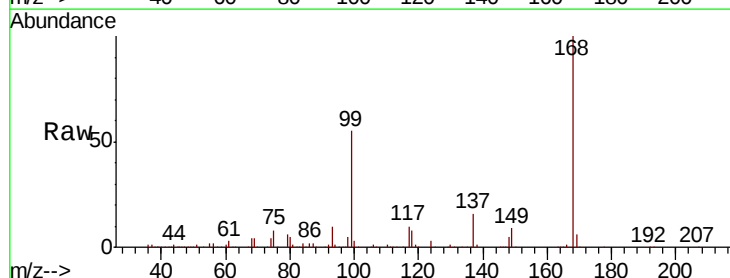
Tgt Ion: 56 Resp: 7467

Ion Ratio Lower Upper

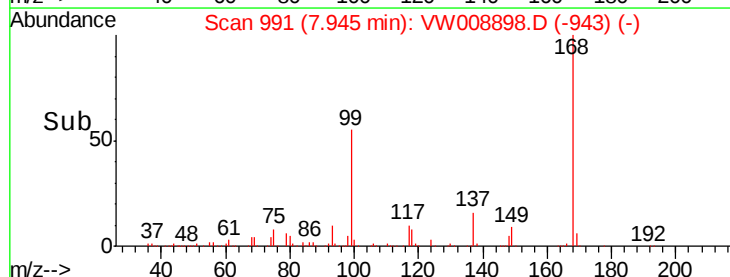
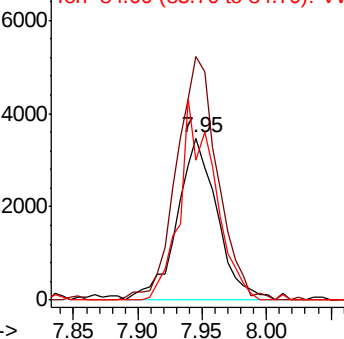
56 100

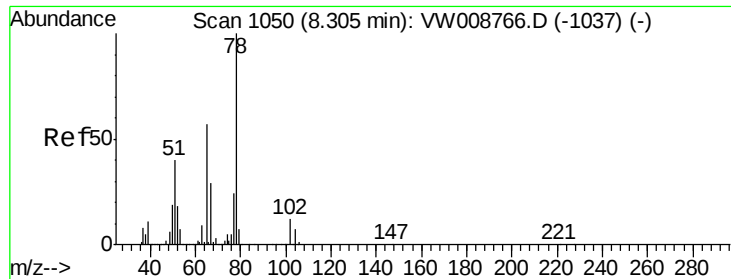
69 150.0 28.2 42.4#

84 86.4 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

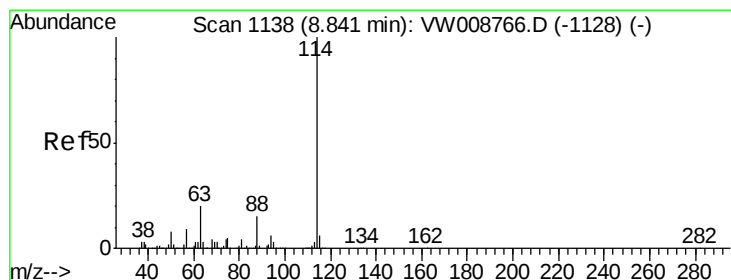
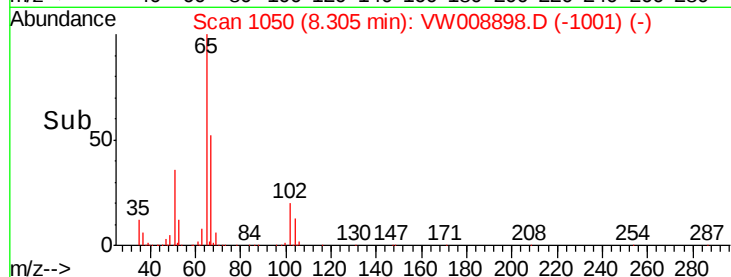
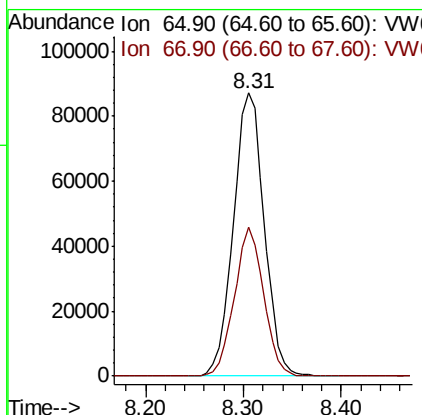
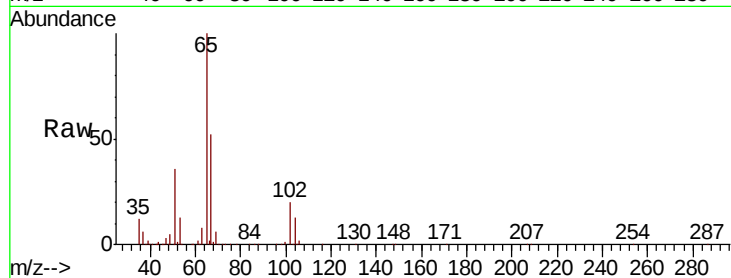




#33
 1,2-Dichloroethane-d4
 Concen: 63.337 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008898.D
 Acq: 28 Feb 2019 20:03

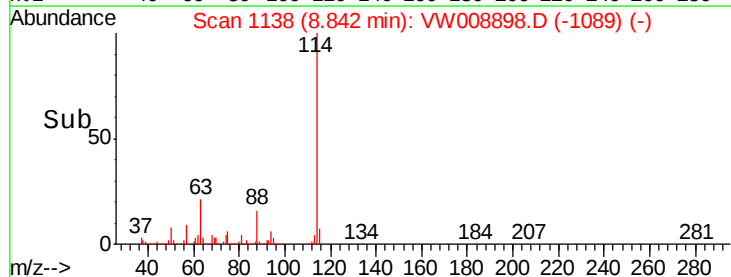
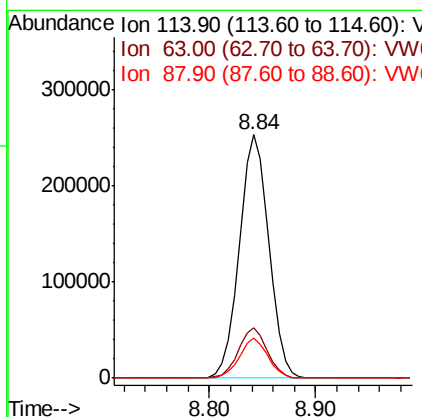
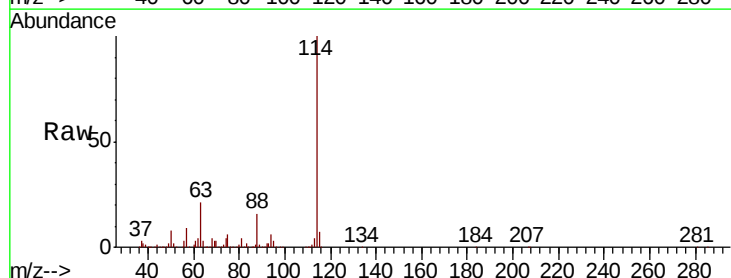
Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-2

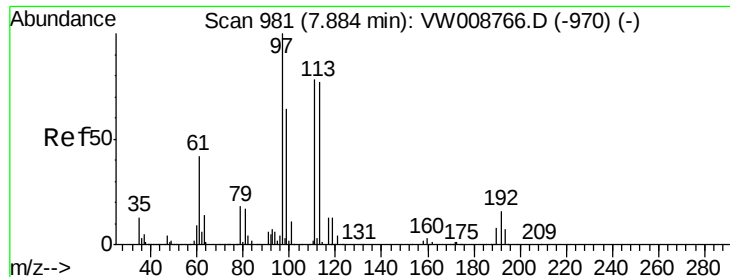
Tot Ion: 65 Resp: 190226
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008898.D
 Acq: 28 Feb 2019 20:03

Tgt Ion: 114 Resp: 492555
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 16.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.626 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008898.D

Acq: 28 Feb 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
DUP-2

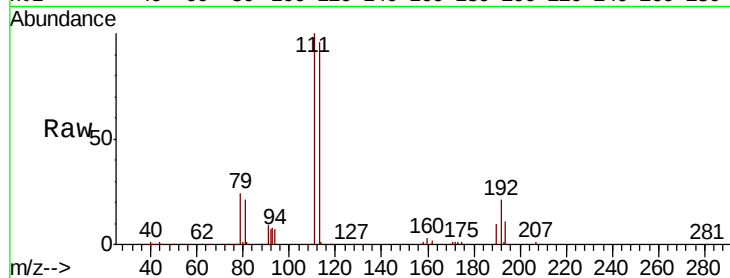
Tot Ion:113 Resp: 149720

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.9	122.9
192	21.3	17.1	25.7

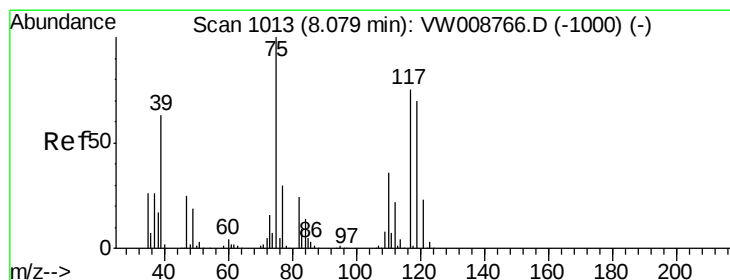
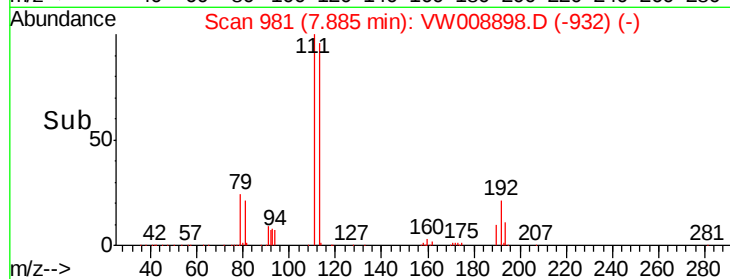
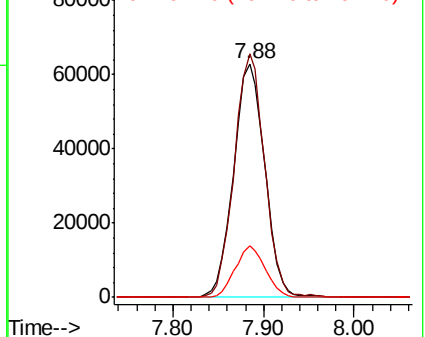
113 100

111 101.4 81.9 122.9

192 21.3 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: 5.171 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008898.D

Acq: 28 Feb 2019 20:03

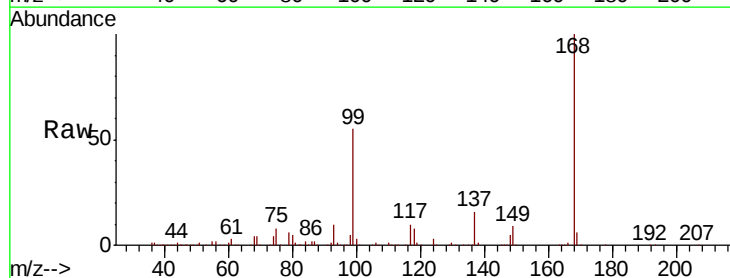
Tgt Ion: 75 Resp: 24792

Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.5	52.6#
77	0.1	24.5	36.7#

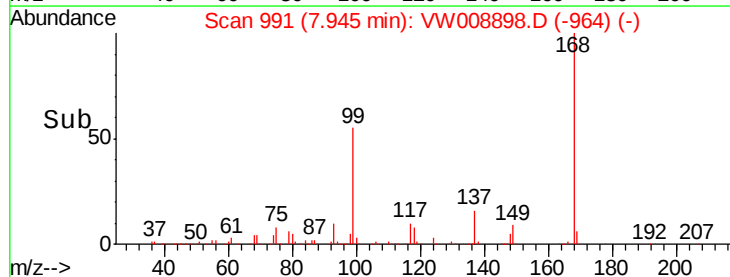
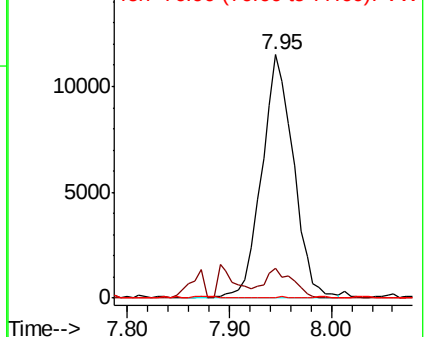
75 100

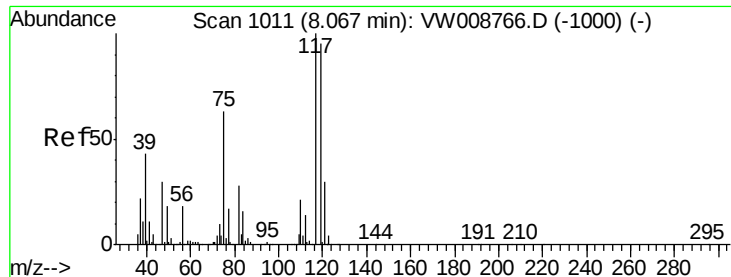
110 10.8 17.5 52.6#

77 0.1 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

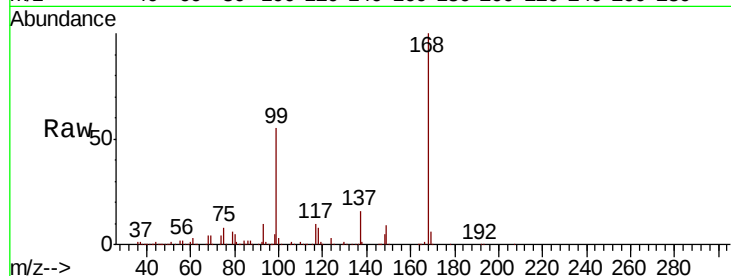




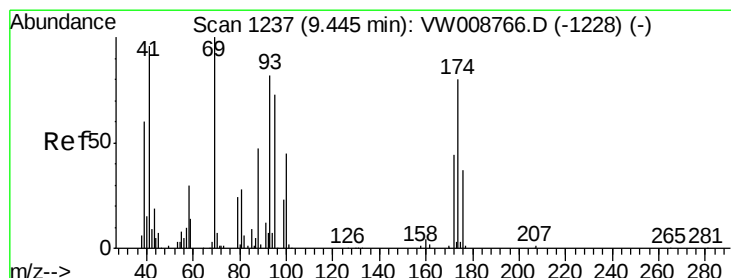
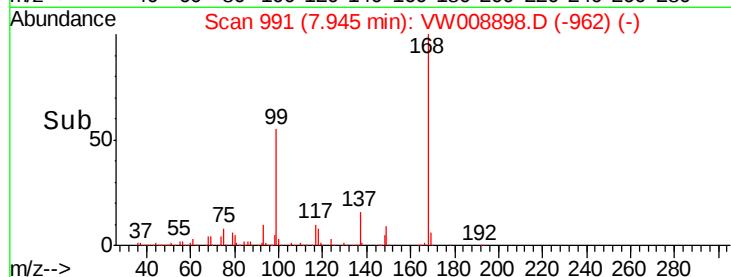
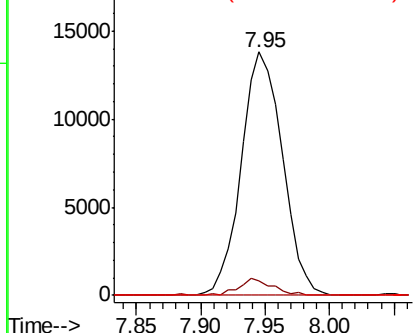
#38
Carbon Tetrachloride
Concen: 6.054 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008898.D
Acq: 28 Feb 2019 20:03

Instrument :
MSVOA_W
ClientSampled :
DUP-2

Tot Ion:117 Resp: 30611
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.0 36.0#

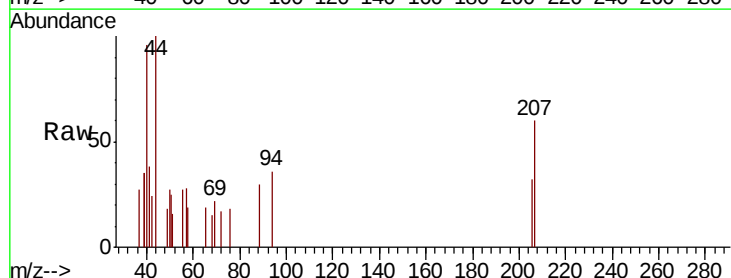


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

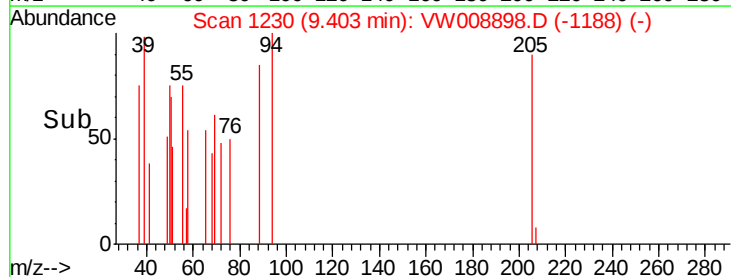
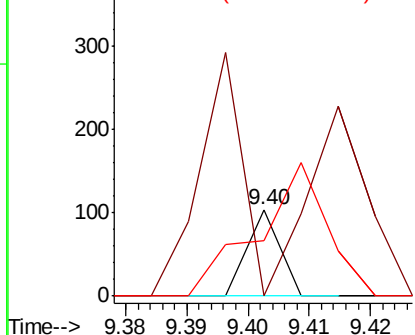


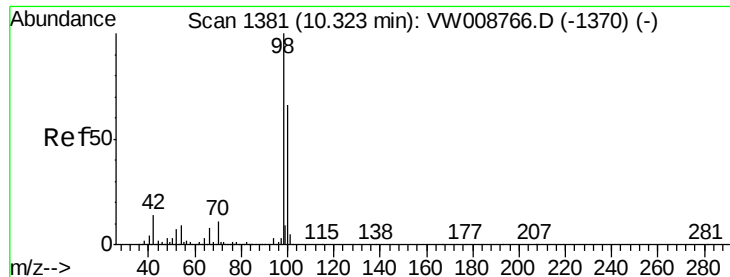
#49
1,4-Dioxane
Concen: 1.319 ug/l
RT: 9.40 min Scan# 1230
Delta R.T. -0.04 min
Lab File: VW008898.D
Acq: 28 Feb 2019 20:03

Tgt Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 368.4 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: 50.637 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008898.D

Acq: 28 Feb 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

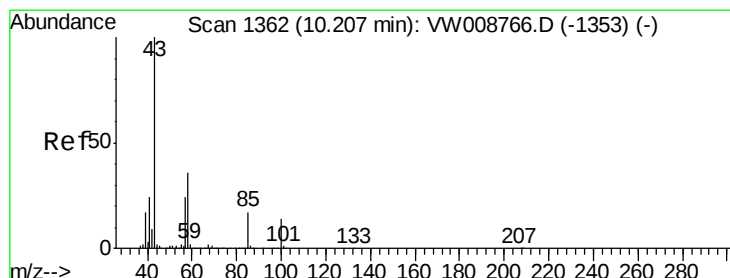
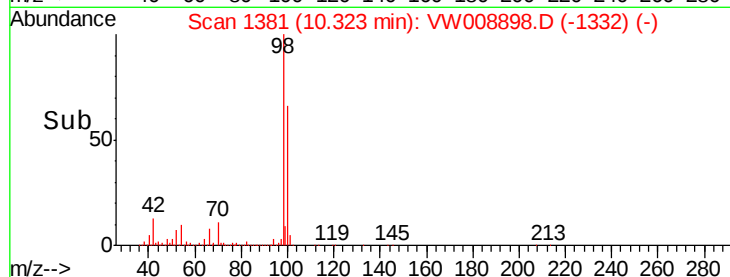
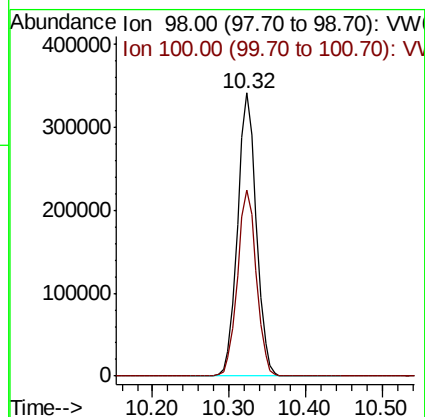
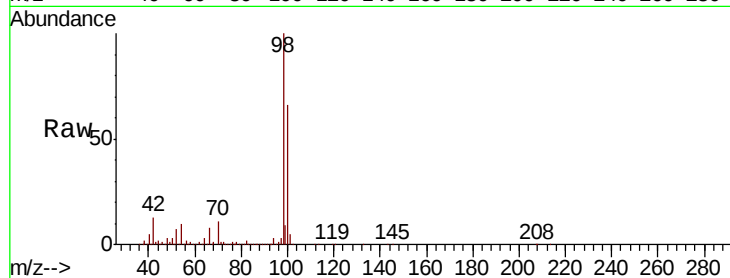
DUP-2

Tot Ion: 98 Resp: 578088

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.075 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008898.D

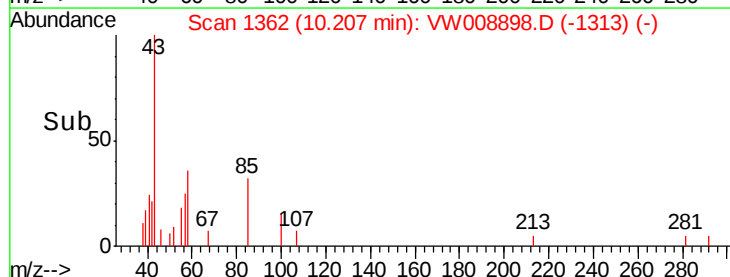
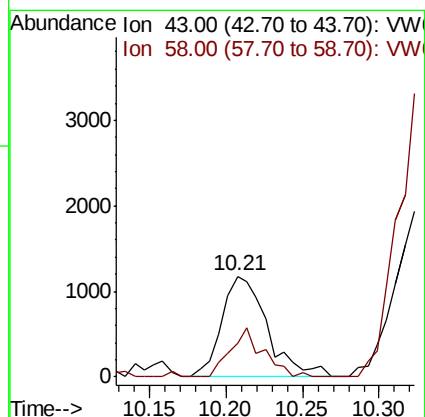
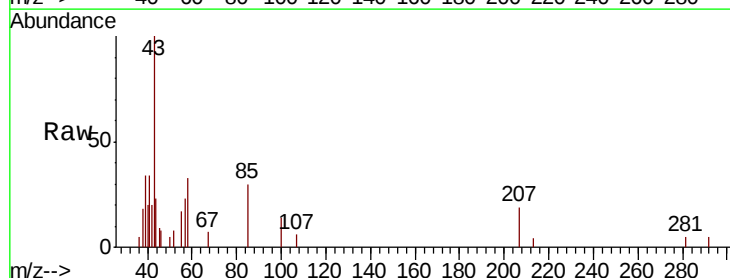
Acq: 28 Feb 2019 20:03

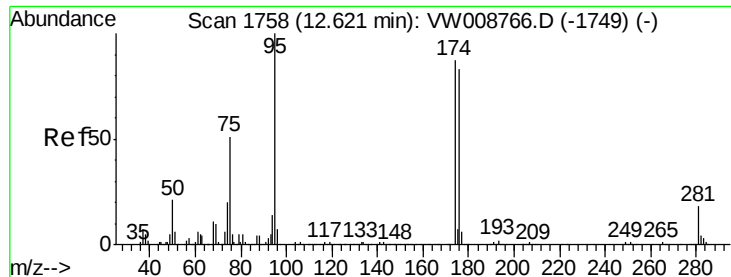
Tgt Ion: 43 Resp: 2429

Ion Ratio Lower Upper

43 100

58 35.2 29.1 43.7

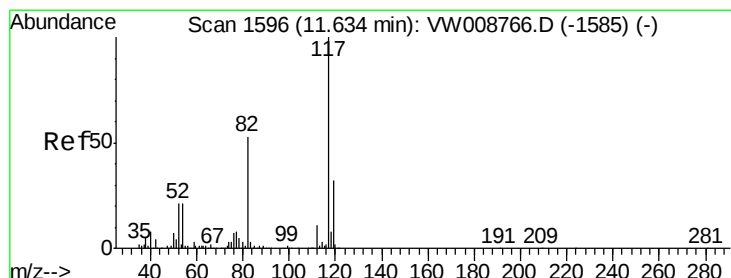
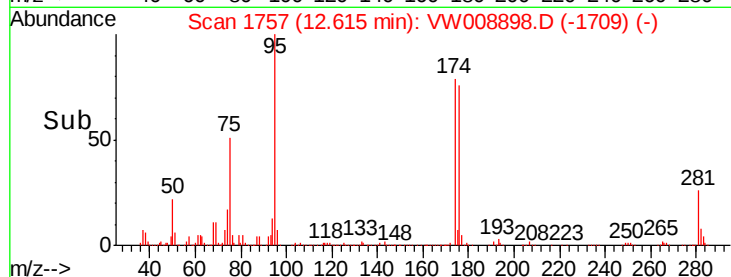
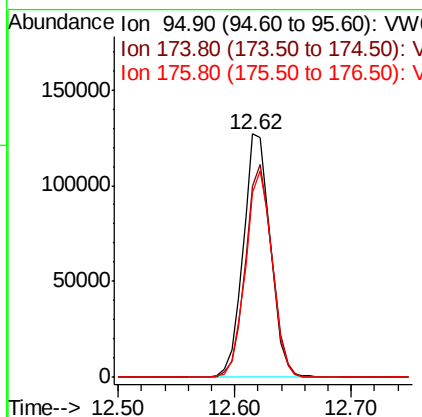
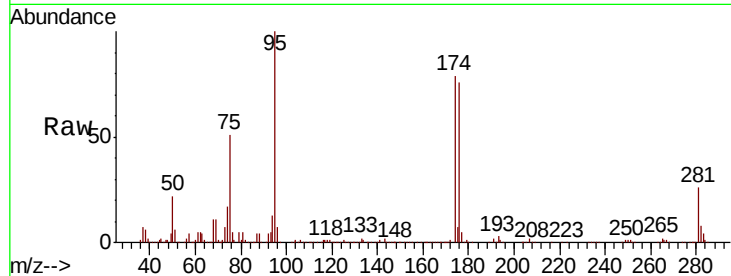




#62
4-Bromofluorobenzene
Concen: 46.339 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008898.D
Acq: 28 Feb 2019 20:03

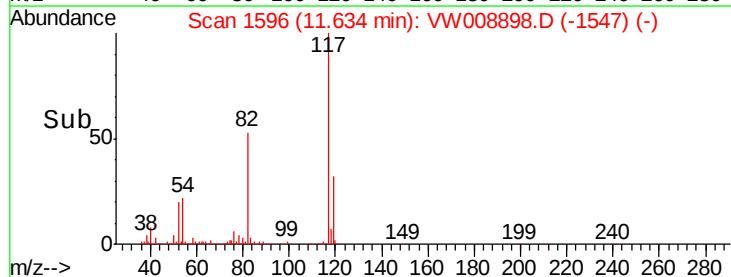
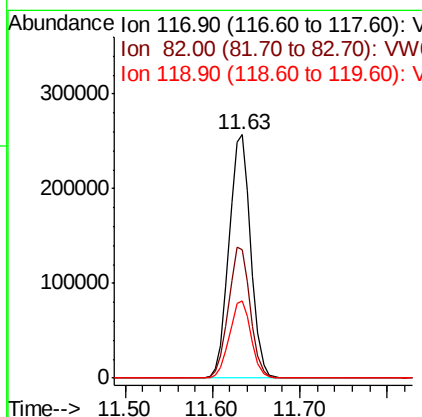
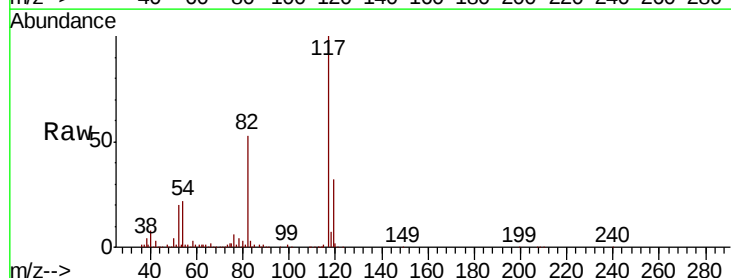
Instrument :
MSVOA_W
ClientSampleId :
DUP-2

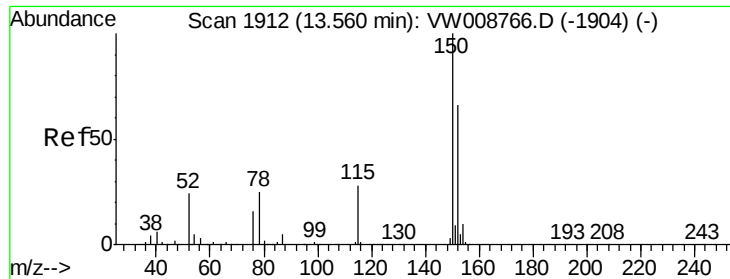
Tot Ion: 95 Resp: 207132
Ion Ratio Lower Upper
95 100
174 85.3 0.0 169.2
176 83.2 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008898.D
Acq: 28 Feb 2019 20:03

Tgt Ion: 117 Resp: 442387
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 31.5 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: VW008898.D

Acq: 28 Feb 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

DUP-2

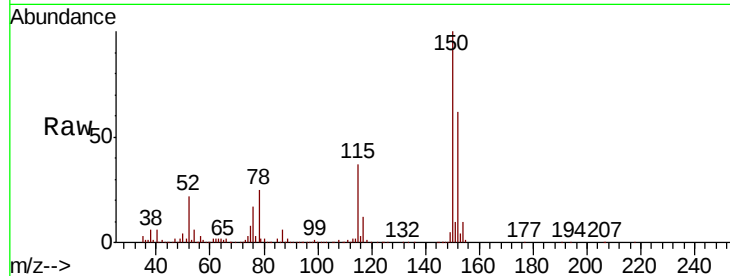
Tot Ion:152 Resp: 208983

Ion Ratio Lower Upper

152 100

115 58.3 28.6 85.8

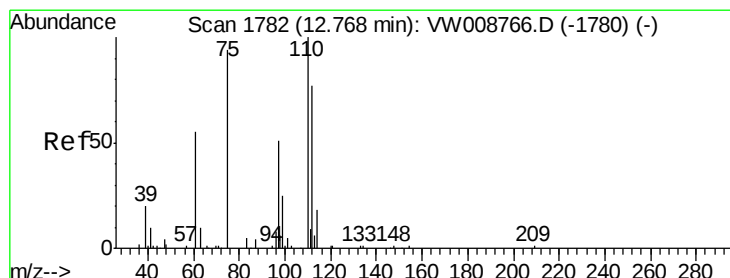
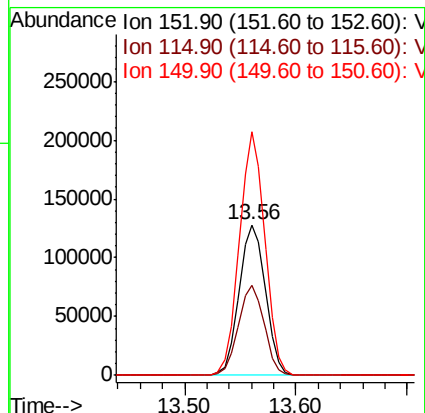
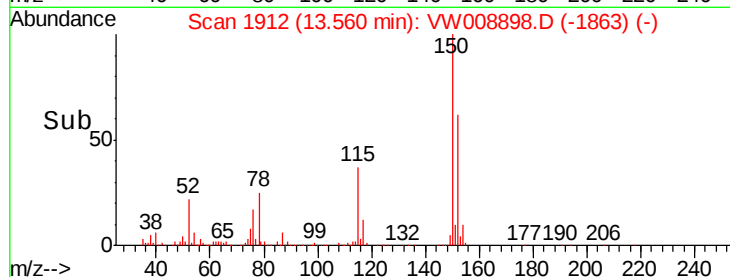
150 156.6 0.0 348.0



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: 62.027 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008898.D

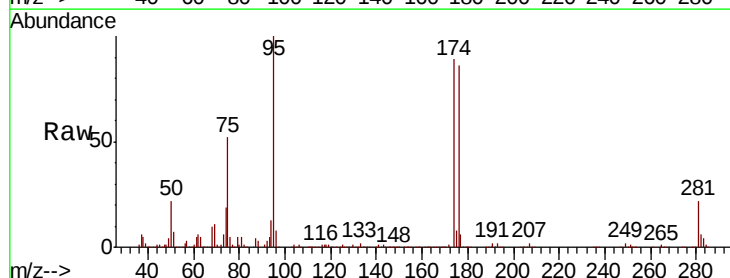
Acq: 28 Feb 2019 20:03

Tgt Ion: 75 Resp: 107023

Ion Ratio Lower Upper

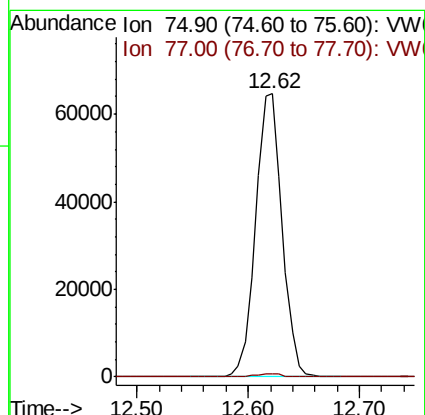
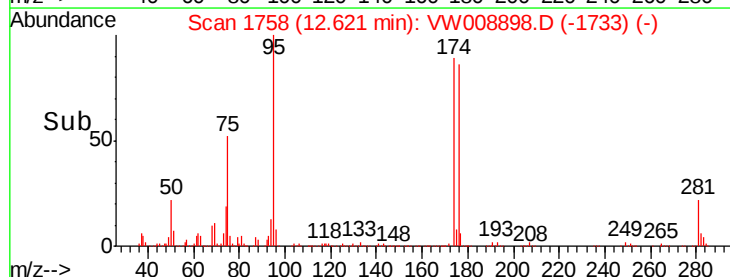
75 100

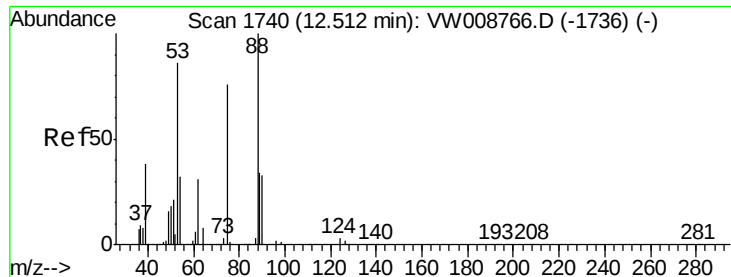
77 1.3 0.0 0.0#



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: 150.792 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008898.D

Acq: 28 Feb 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

DUP-2

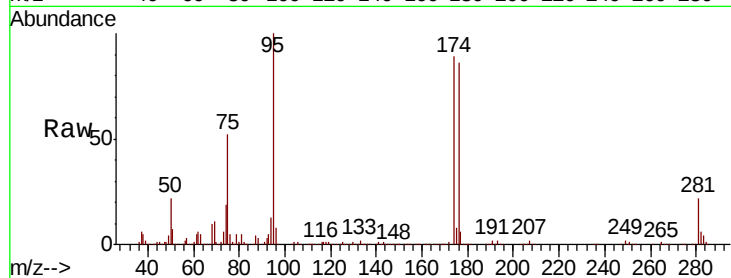
Tot Ion: 75 Resp: 107023

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.4 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

