

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008834.D
 Acq On : 26 Feb 2019 16:50
 Operator : SY/VA
 Sample : K1594-21
 Misc : 6.53G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-1(4-5)

Quant Time: Feb 27 05:59:24 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	343322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	532112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	484892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	237122	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	189464	58.84	ug/l	0.00
Spiked Amount			Recovery	=	117.68%	
35) Dibromofluoromethane	7.88	113	161858	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	10.32	98	638770	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.62	95	230049	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	

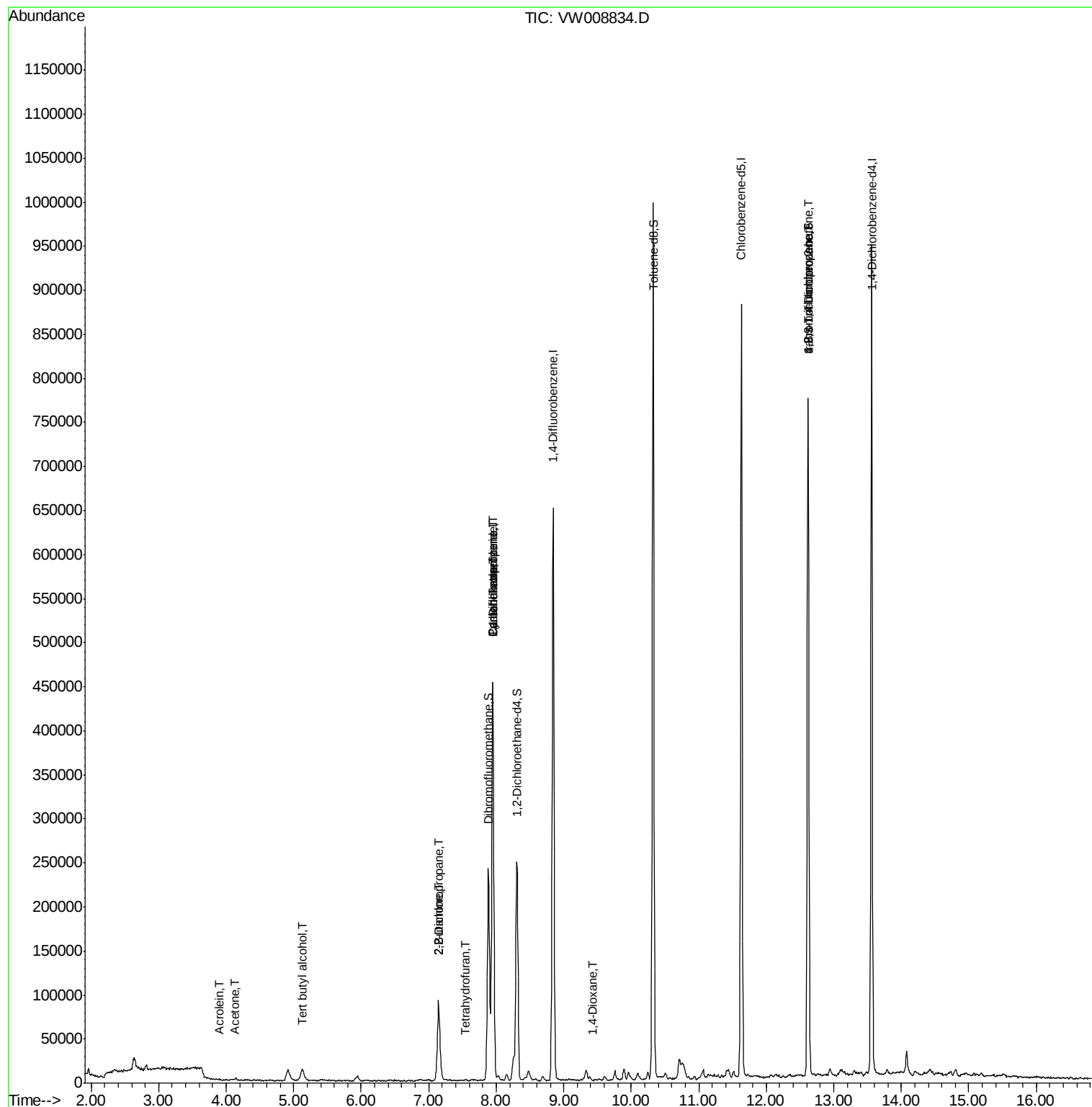
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	11634	40.583	ug/l #	73
13) Acrolein	3.89	56	150	20.237	ug/l #	4
16) Acetone	4.13	43	2835	3.798	ug/l	96
20) Methylene Chloride	4.92	84	9110	Below Cal	#	81
25) 2-Butanone	7.15	43	6153	5.897	ug/l #	79
26) 2,2-Dichloropropane	7.15	77	6164	1.132	ug/l #	54
29) Tetrahydrofuran	7.53	42	1116	1.678	ug/l #	73
31) Cyclohexane	7.95	56	8807	1.451	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	26556	5.127	ug/l #	51
38) Carbon Tetrachloride	7.95	117	32656	5.978	ug/l #	15
49) 1,4-Dioxane	9.42	88	51	1.638	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	116813	59.667	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	116813	145.054	ug/l #	6

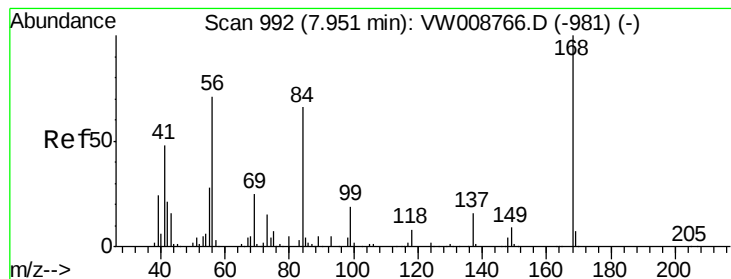
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008834.D

Acq: 26 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampled :

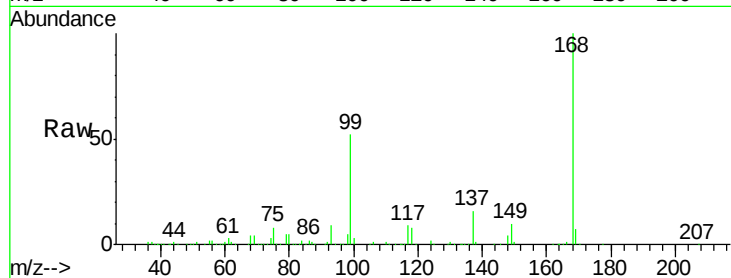
B-1(4-5)

Tot Ion:168 Resp: 343322

Ion Ratio Lower Upper

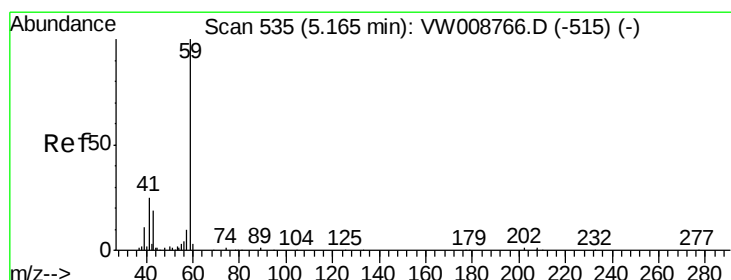
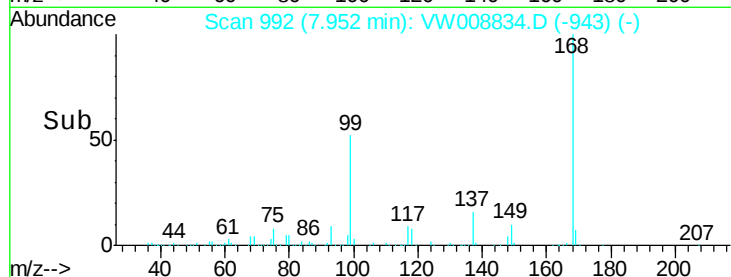
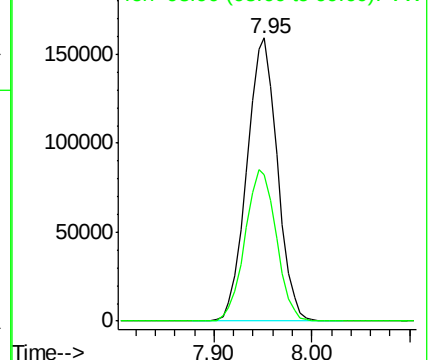
168 100

99 51.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 40.583 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008834.D

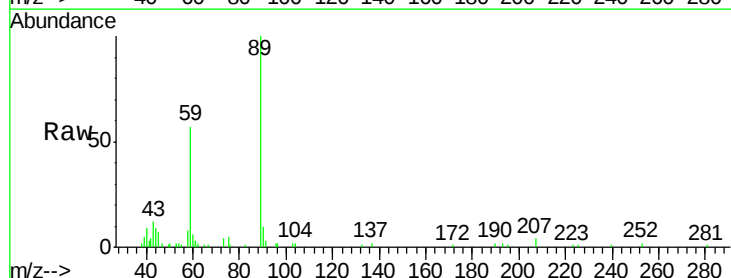
Acq: 26 Feb 2019 16:50

Tgt Ion: 59 Resp: 11634

Ion Ratio Lower Upper

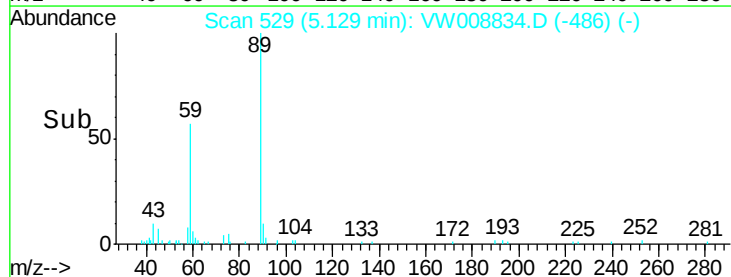
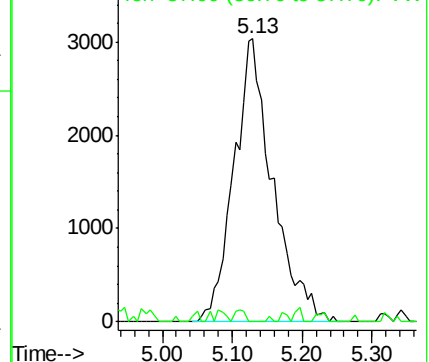
59 100

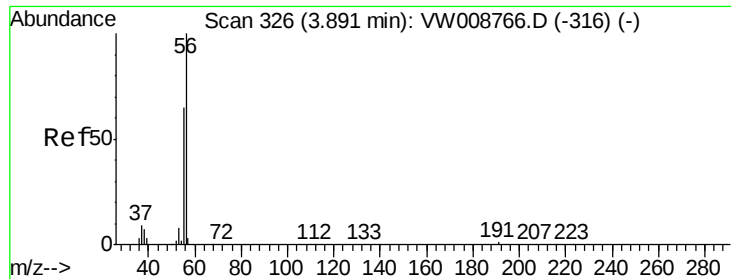
57 1.1 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 20.237 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008834.D

Acq: 26 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampled :

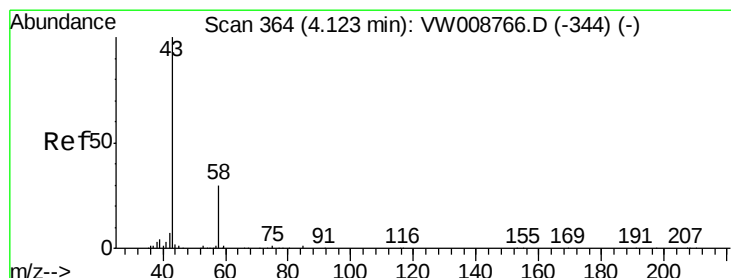
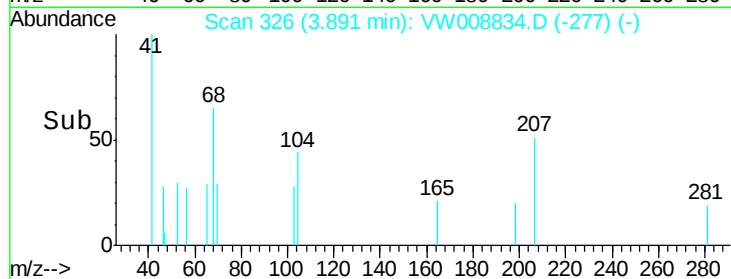
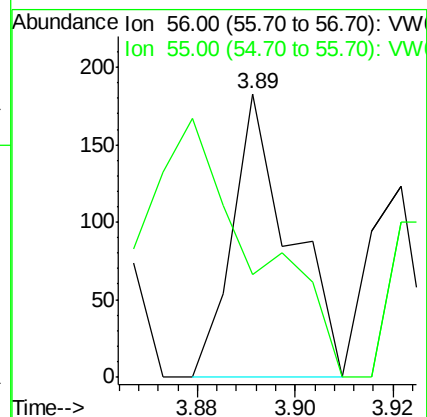
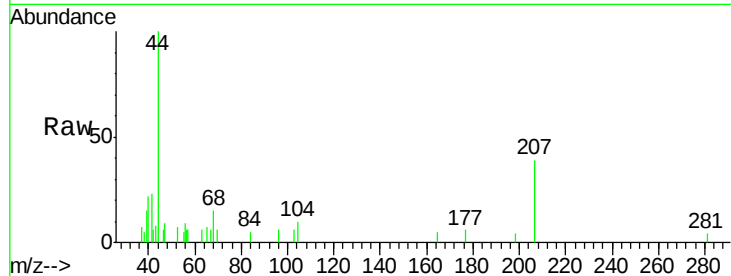
B-1(4-5)

Tot Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 150.7 56.9 85.3#



#16

Acetone

Concen: 3.798 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008834.D

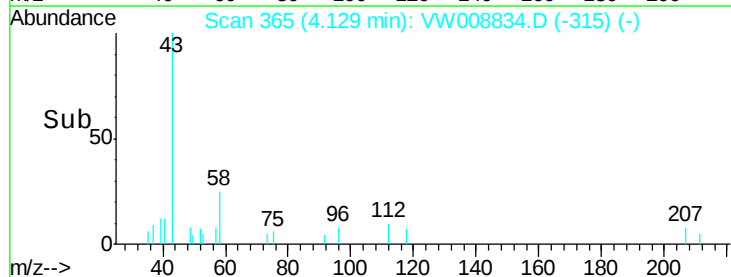
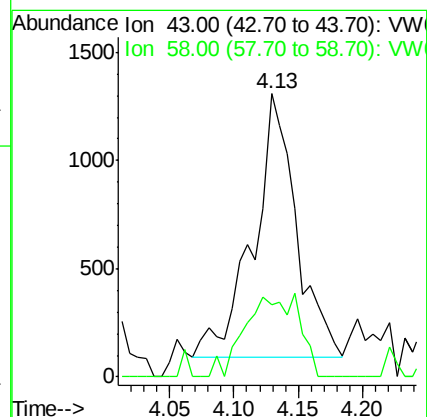
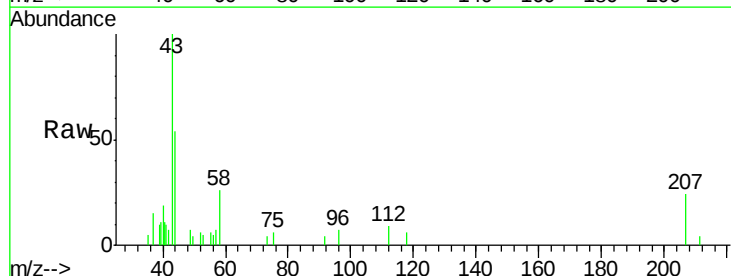
Acq: 26 Feb 2019 16:50

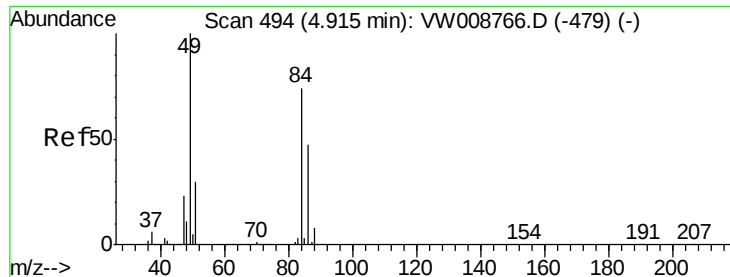
Tgt Ion: 43 Resp: 2835

Ion Ratio Lower Upper

43 100

58 27.5 23.8 35.6

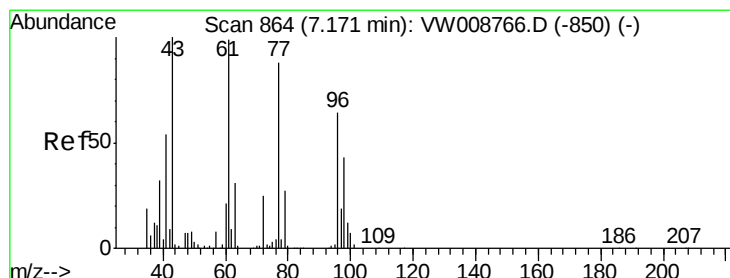
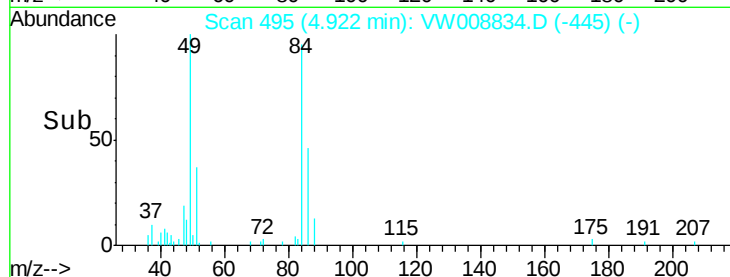
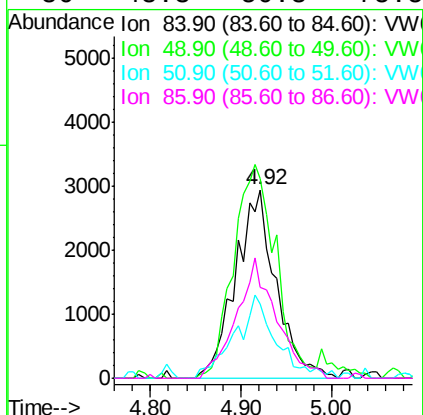
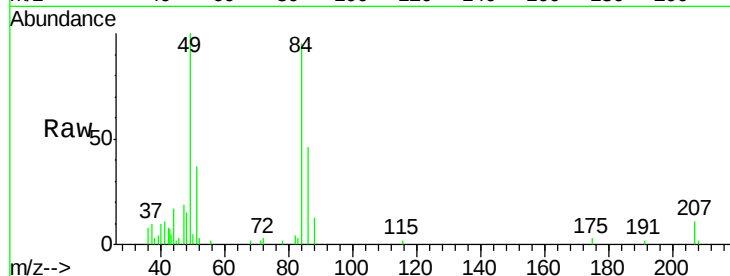




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008834.D
Acq: 26 Feb 2019 16:50

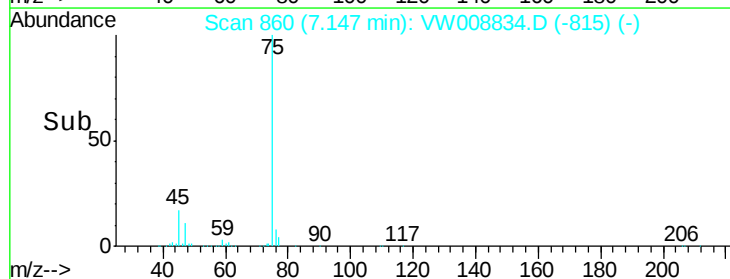
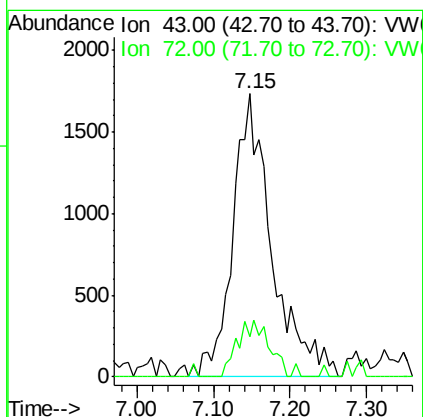
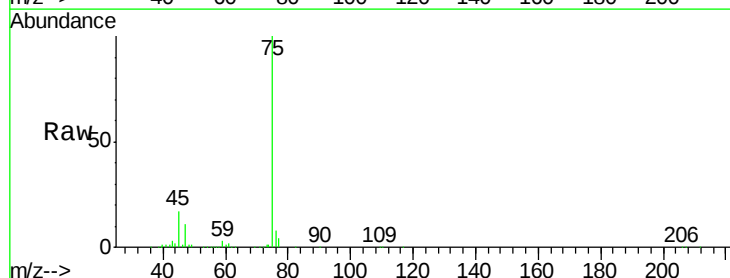
Instrument :
MSVOA_W
ClientSampleId :
B-1(4-5)

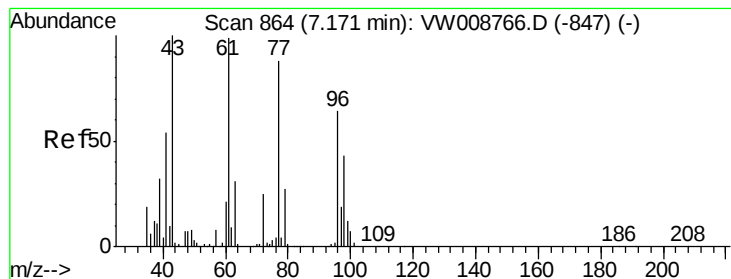
Tot Ion: 84 Resp: 9110
Ion Ratio Lower Upper
84 100
49 105.8 108.2 162.2#
51 39.5 32.7 49.1
86 48.3 50.3 75.5#



#25
2-Butanone
Concen: 5.897 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008834.D
Acq: 26 Feb 2019 16:50

Tgt Ion: 43 Resp: 6153
Ion Ratio Lower Upper
43 100
72 14.3 19.7 29.5#





#26

2,2-Dichloropropane

Concen: 1.132 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008834.D

Acq: 26 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampled :

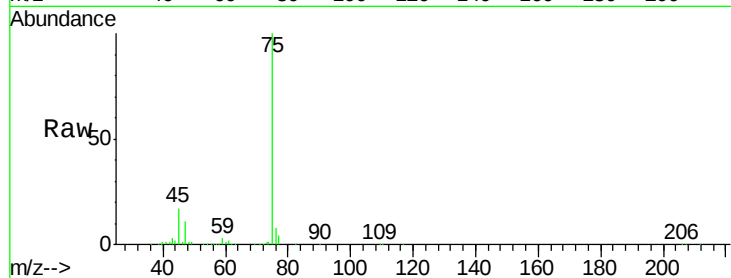
B-1(4-5)

Tot Ion: 77 Resp: 6164

Ion Ratio Lower Upper

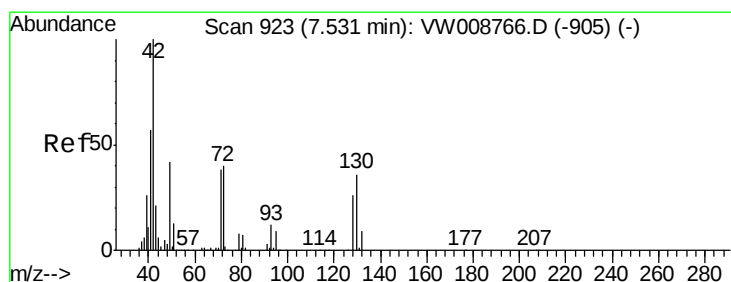
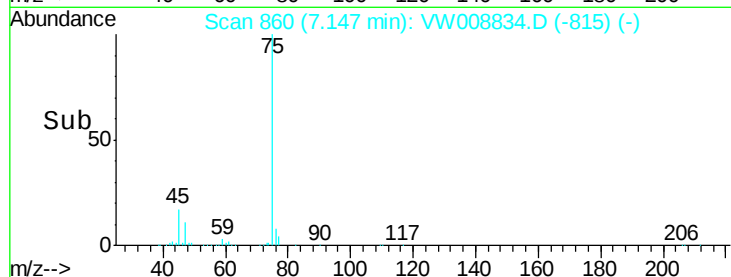
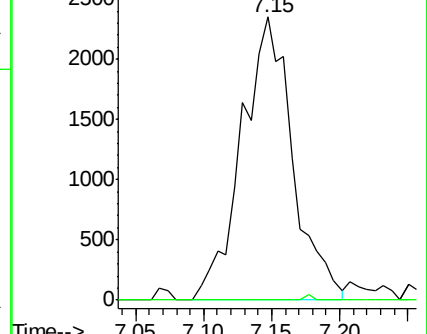
77 100

97 0.0 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: 1.678 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008834.D

Acq: 26 Feb 2019 16:50

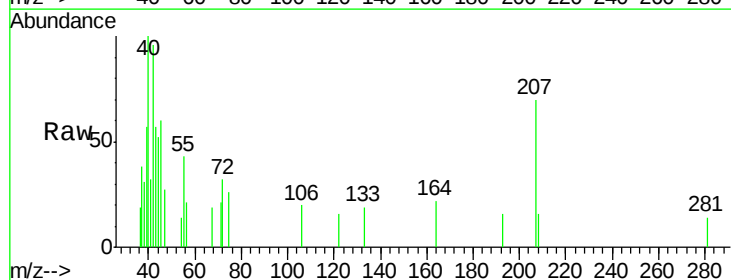
Tgt Ion: 42 Resp: 1116

Ion Ratio Lower Upper

42 100

72 36.5 32.7 49.1

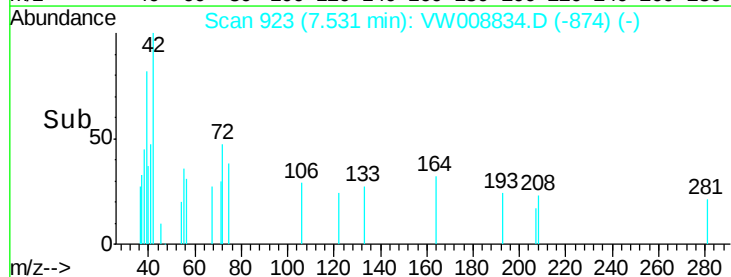
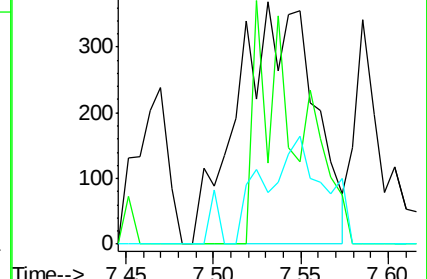
71 9.3 31.3 46.9#

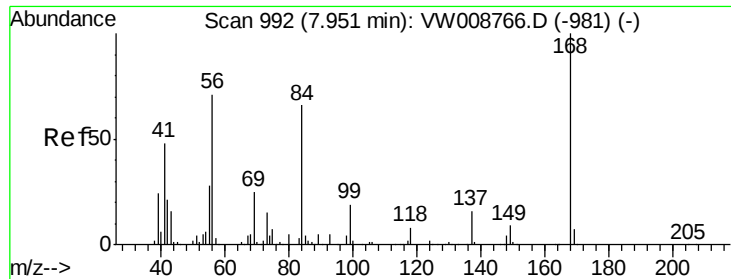


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.451 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008834.D

Acq: 26 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

B-1(4-5)

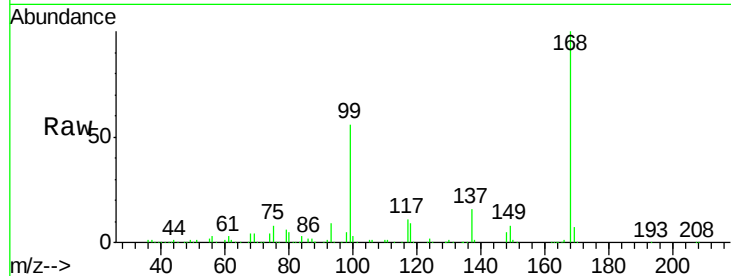
Tot Ion: 56 Resp: 8807

Ion Ratio Lower Upper

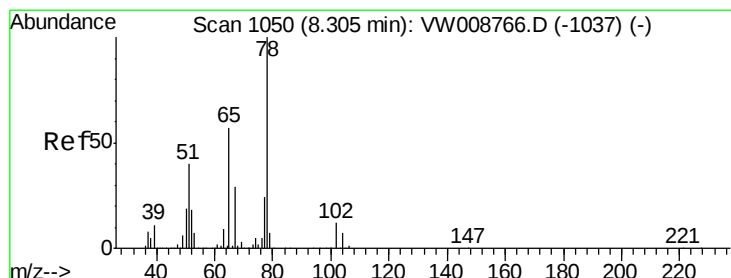
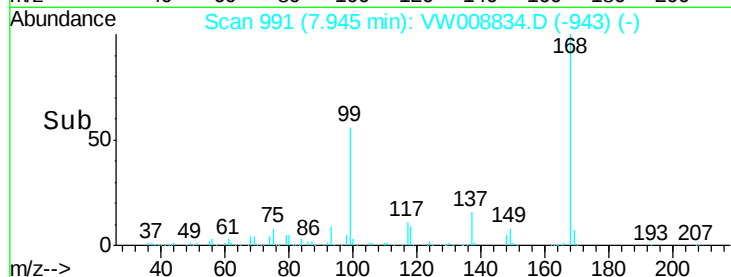
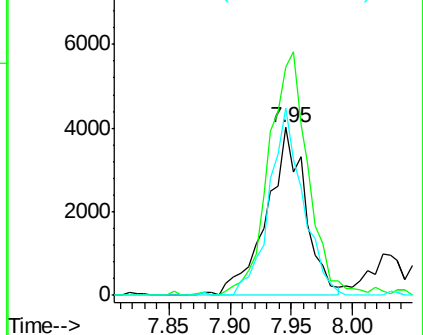
56 100

69 135.8 28.2 42.4#

84 111.3 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: 58.839 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008834.D

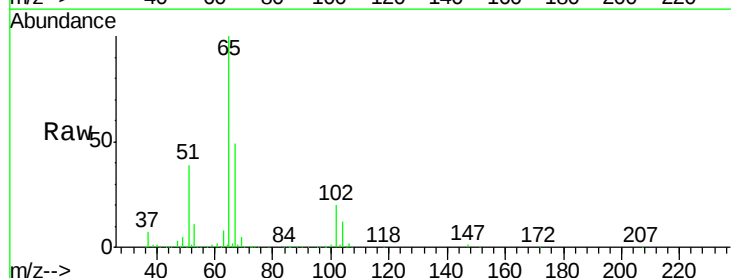
Acq: 26 Feb 2019 16:50

Tgt Ion: 65 Resp: 189464

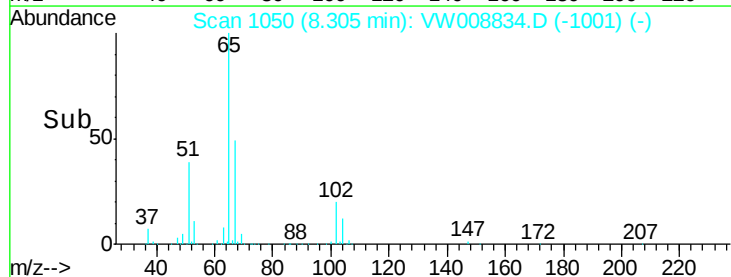
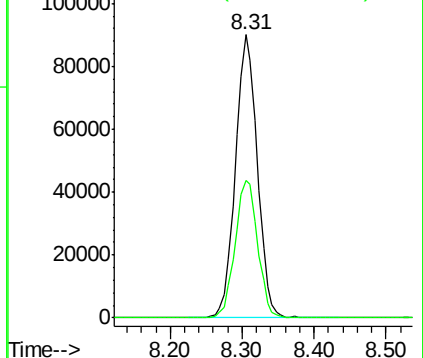
Ion Ratio Lower Upper

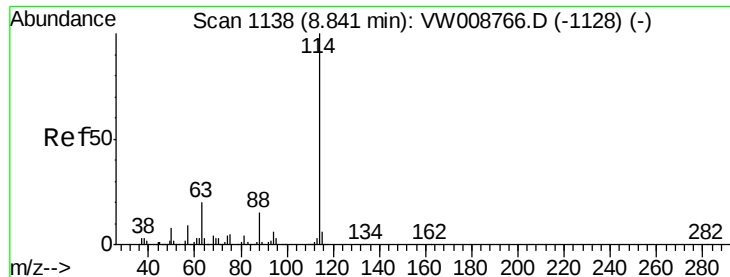
65 100

67 50.2 0.0 101.4



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

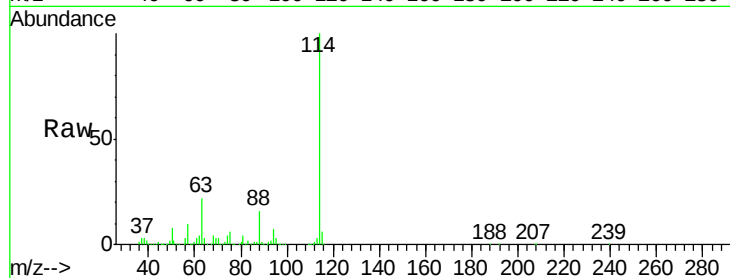




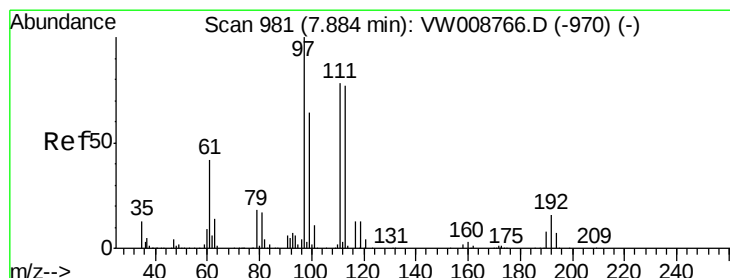
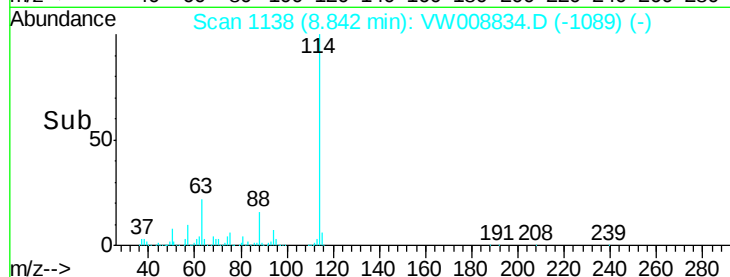
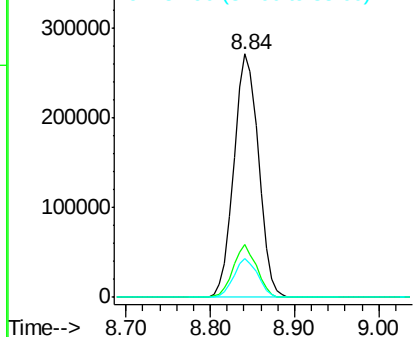
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008834.D
Acq: 26 Feb 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
B-1(4-5)

Tot Ion:114 Resp: 532112
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.8
88 16.0 0.0 30.4

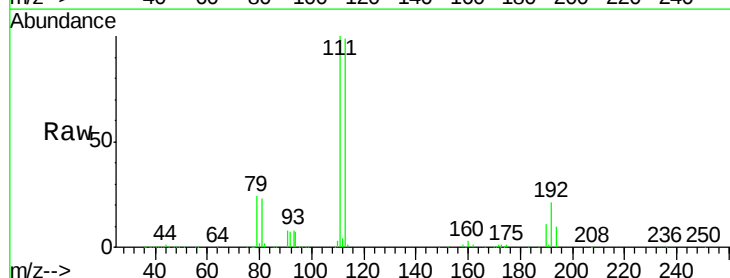


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

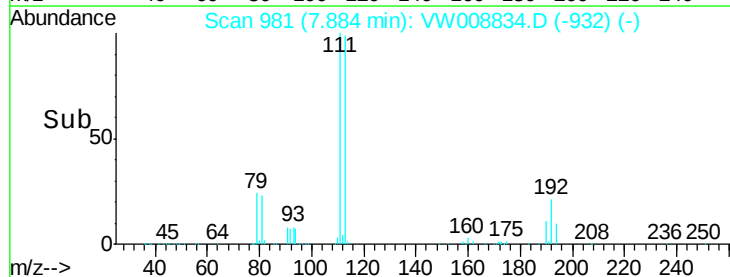
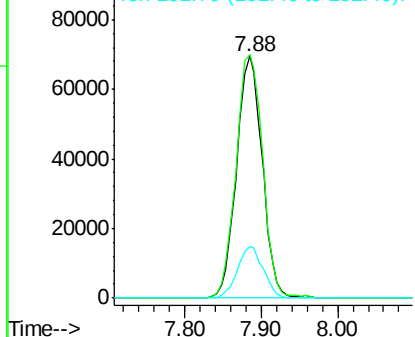


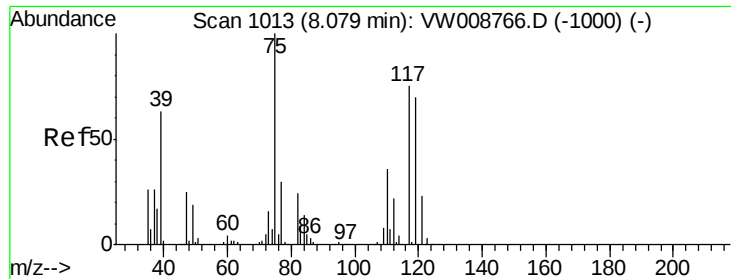
#35
Dibromofluoromethane
Concen: 50.662 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008834.D
Acq: 26 Feb 2019 16:50

Tgt Ion:113 Resp: 161858
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 21.4 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

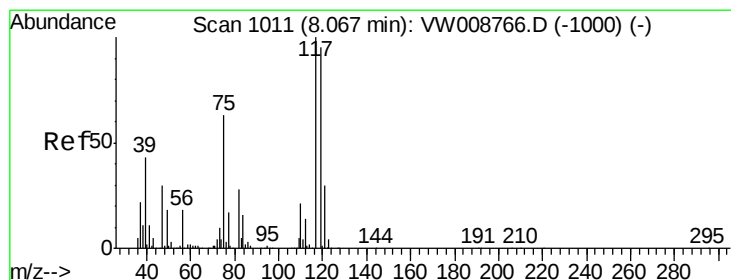
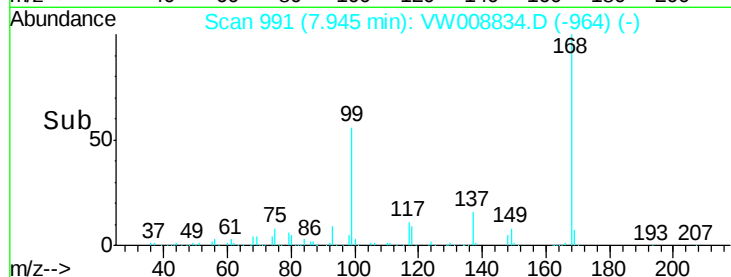
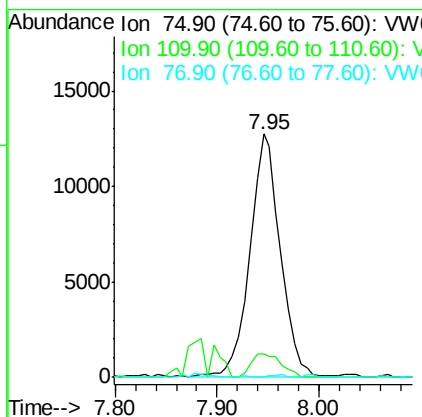
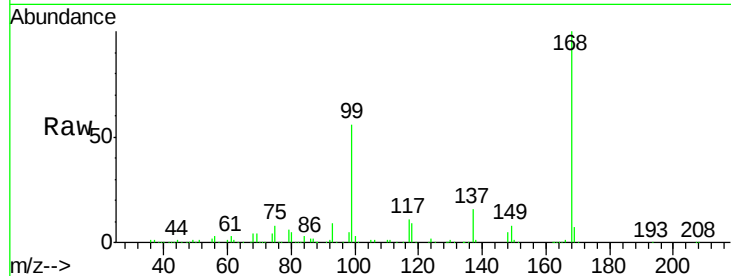




#36
 1,1-Dichloropropene
 Concen: 5.127 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008834.D
 Acq: 26 Feb 2019 16:50

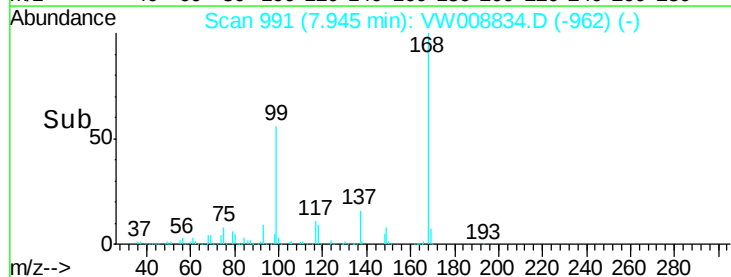
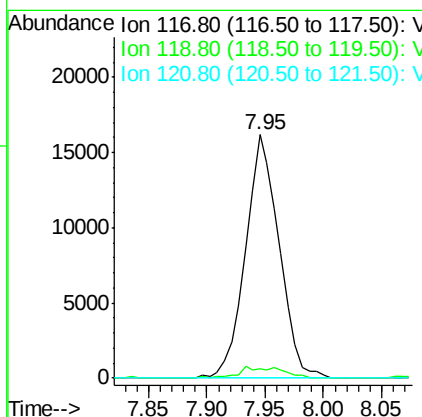
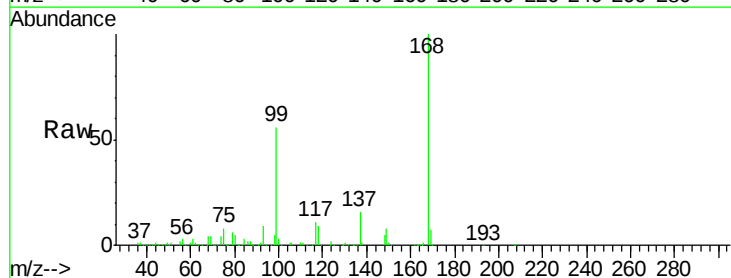
Instrument :
 MSVOA_W
 ClientSampleId :
 B-1(4-5)

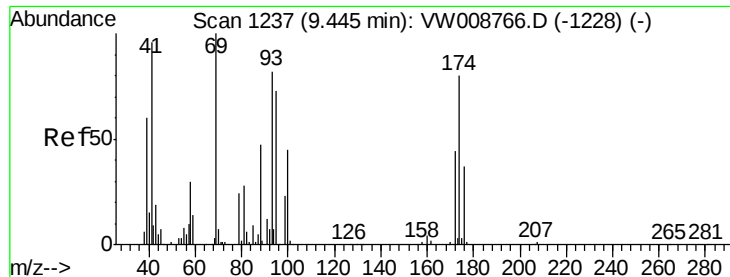
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.5	52.6#
77	0.1	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.978 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008834.D
 Acq: 26 Feb 2019 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	76.1	114.1#
121	0.0	24.0	36.0#

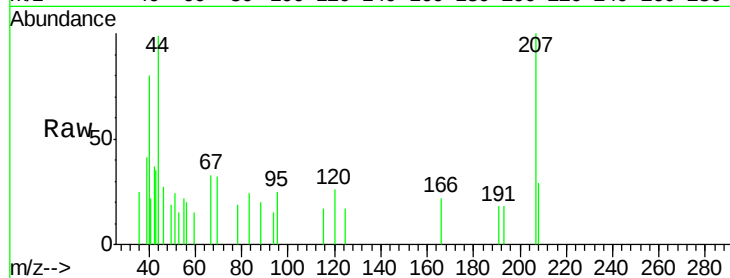




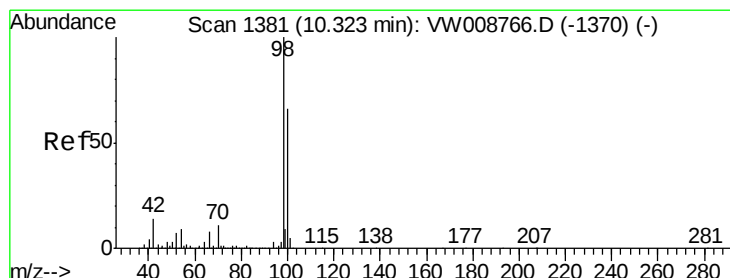
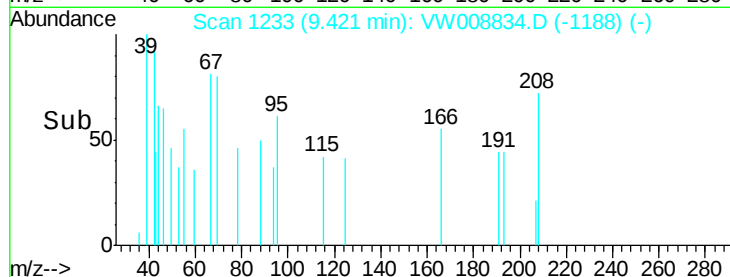
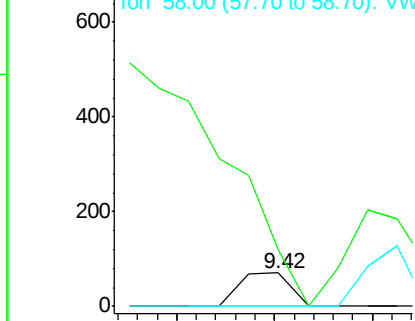
#49
1,4-Dioxane
Concen: 1.638 ug/l
RT: 9.42 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VW008834.D
Acq: 26 Feb 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
B-1(4-5)

Tot Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 0.0 52.0 78.0#

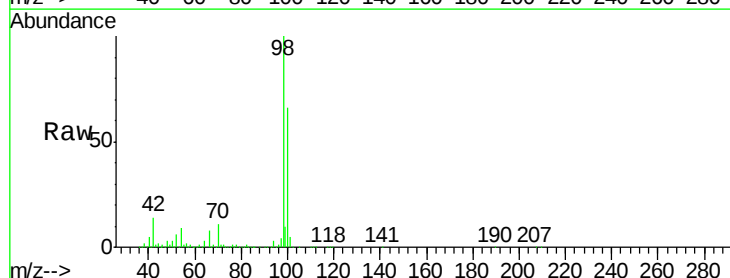


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

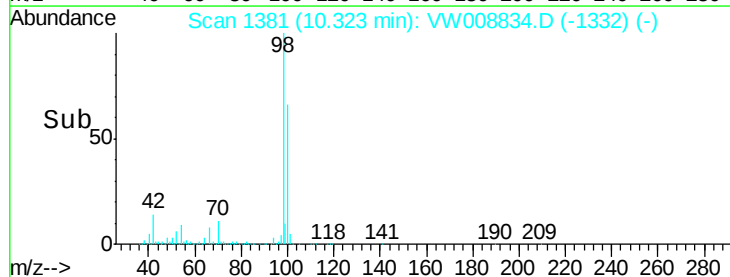
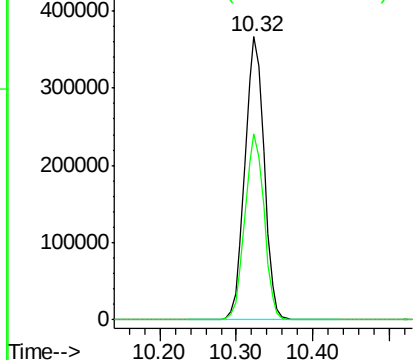


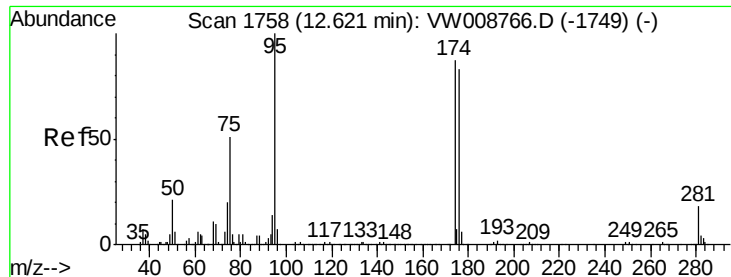
#50
Toluene-d8
Concen: 51.793 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008834.D
Acq: 26 Feb 2019 16:50

Tgt Ion: 98 Resp: 638770
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



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





#62

4-Bromofluorobenzene

Concen: 47.640 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008834.D

Acq: 26 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

B-1(4-5)

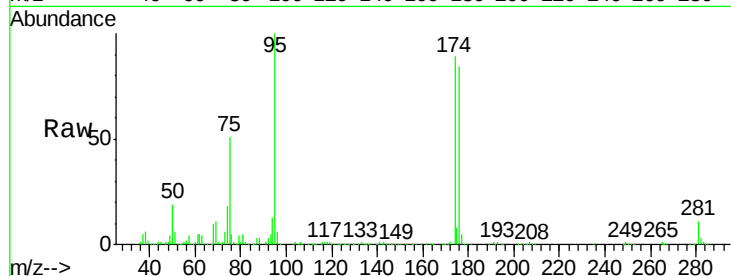
Tot Ion: 95 Resp: 230049

Ion Ratio Lower Upper

95 100

174 85.8 0.0 169.2

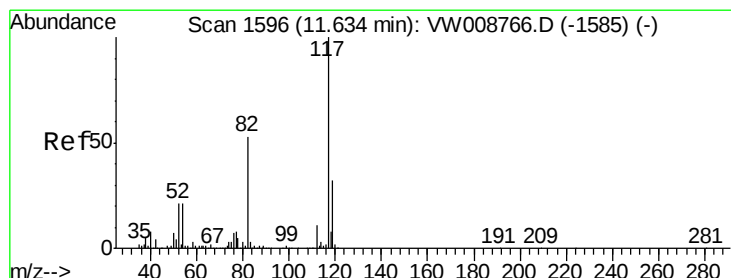
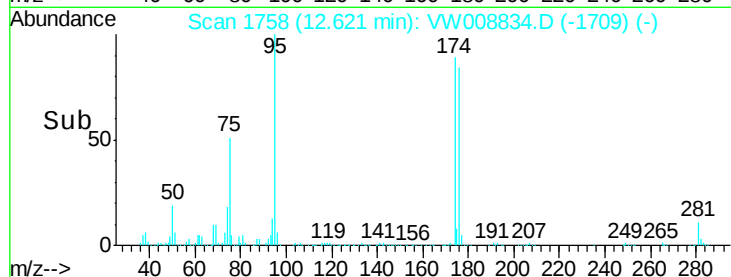
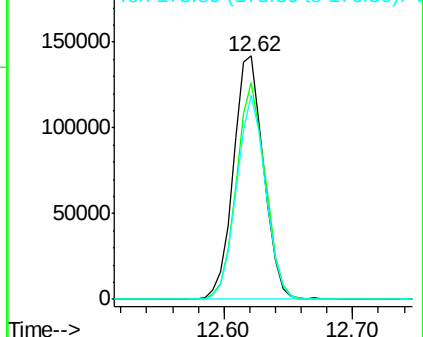
176 80.7 0.0 163.6



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: VW008834.D

Acq: 26 Feb 2019 16:50

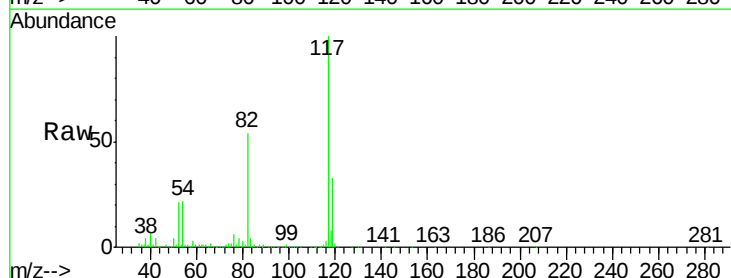
Tgt Ion: 117 Resp: 484892

Ion Ratio Lower Upper

117 100

82 54.2 42.2 63.4

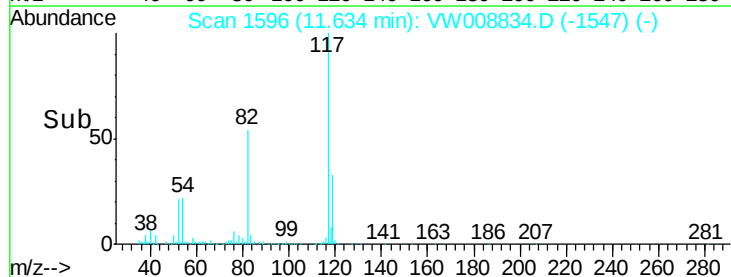
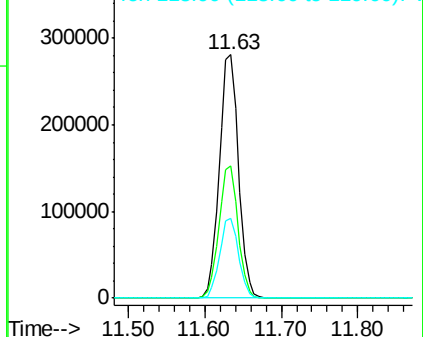
119 32.9 25.9 38.9

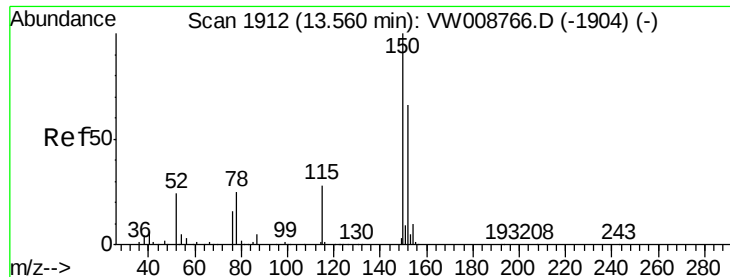


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



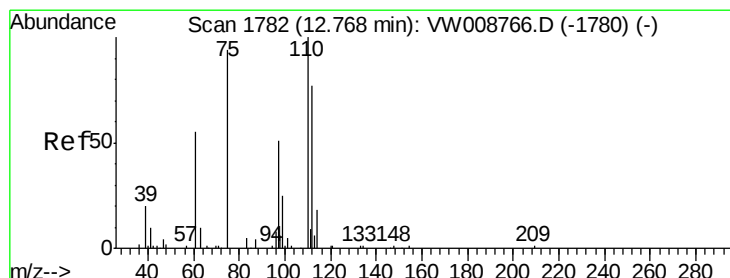
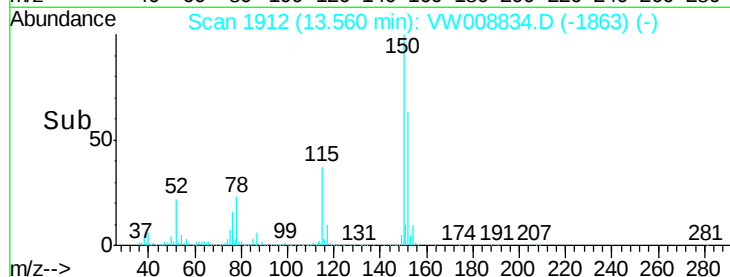
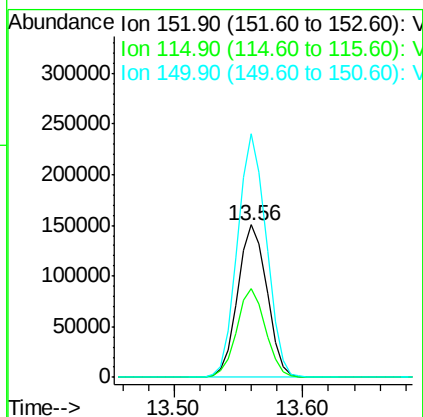
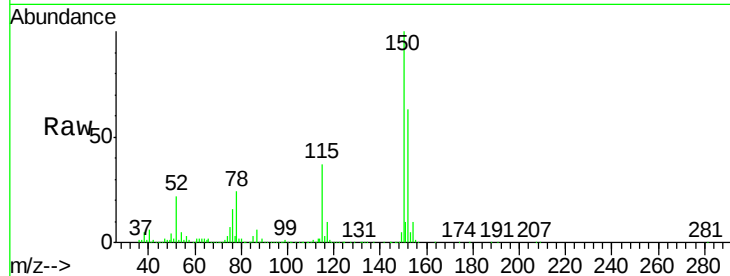


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008834.D
Acq: 26 Feb 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
B-1(4-5)

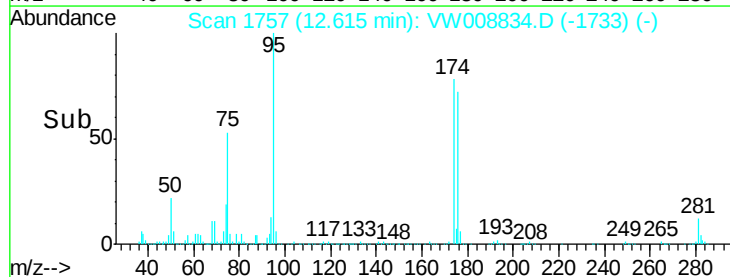
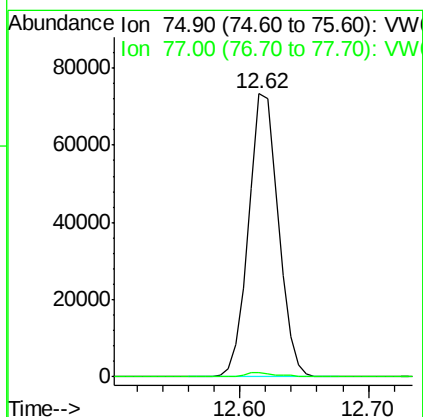
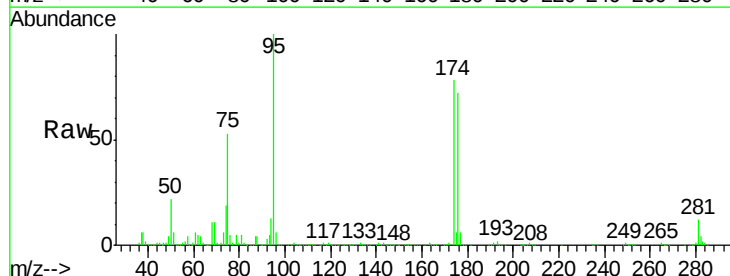
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.6	85.8
150	157.7	0.0	348.0

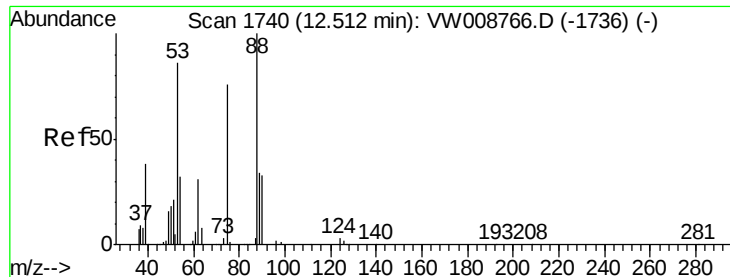


#76

1,2,3-Trichloropropane
Concen: 59.667 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008834.D
Acq: 26 Feb 2019 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 145.054 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008834.D

Acq: 26 Feb 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

B-1(4-5)

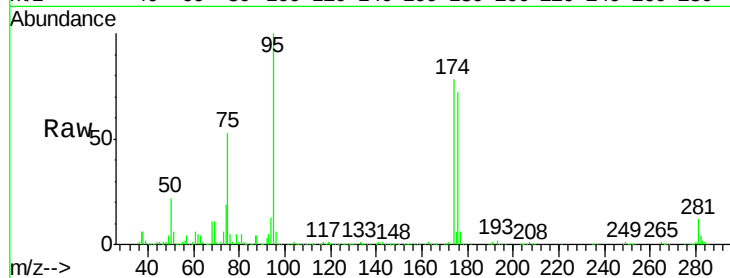
Tot Ion: 75 Resp: 116813

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.1 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

