

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010385.D
 Acq On : 11 May 2019 17:06
 Operator : SY/VA
 Sample : K2719-14
 Misc : 5.57G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:27:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

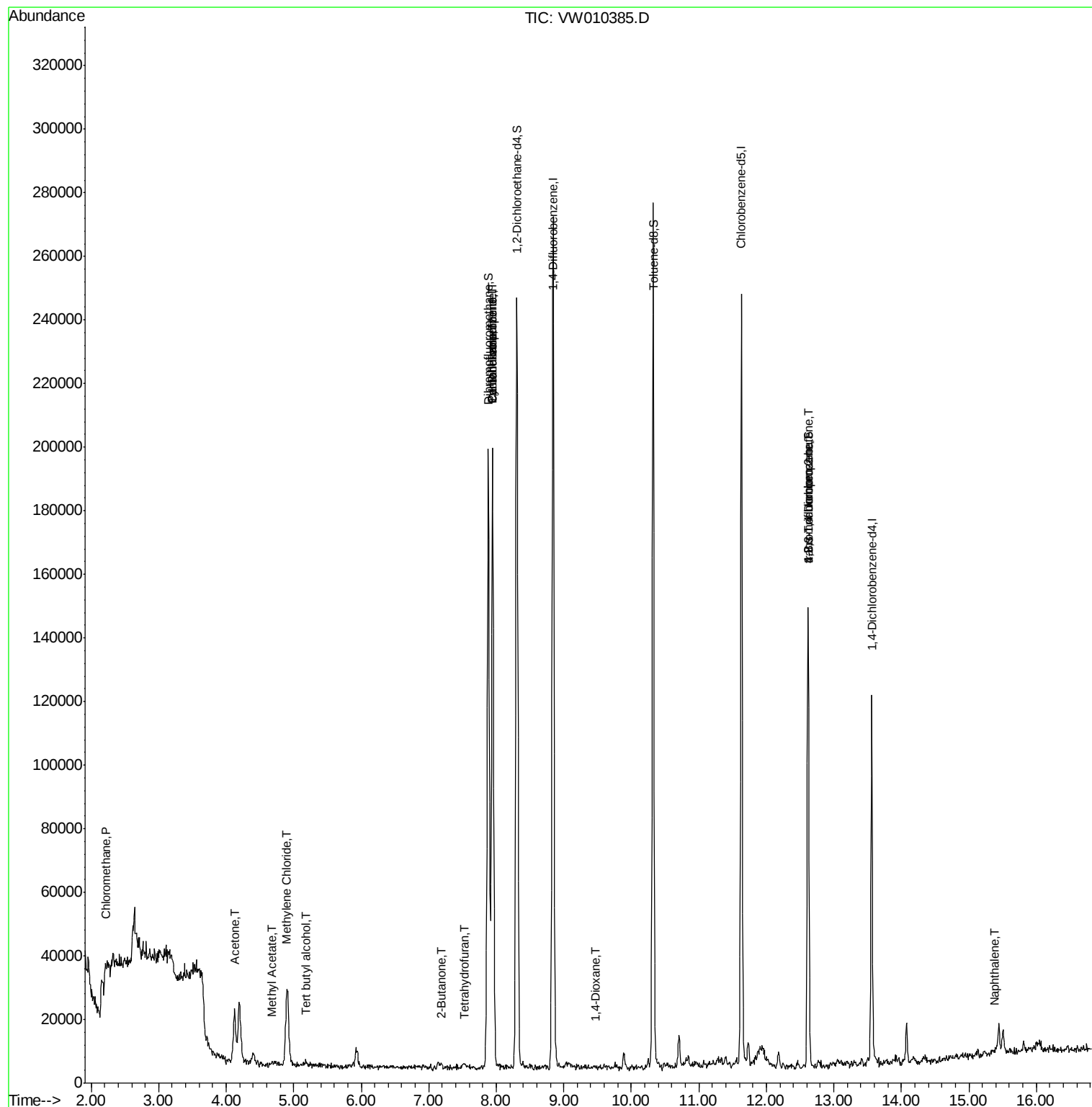
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	135573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	215409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	136401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	29052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	189501	131.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	262.96%	
35) Dibromofluoromethane	7.88	113	138355	109.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	219.52%	
50) Toluene-d8	10.32	98	178500	34.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.56%	
62) 4-Bromofluorobenzene	12.62	95	44079	24.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	48.80%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.21	50	1551	1.118	ug/l #	63
11) Tert butyl alcohol	5.17	59	659	6.474	ug/l	97
16) Acetone	4.12	43	30390	80.880	ug/l	99
18) Methyl Acetate	4.68	43	1686	1.812	ug/l	95
20) Methylene Chloride	4.90	84	16943	10.811	ug/l	91
25) 2-Butanone	7.18	43	793	1.380	ug/l	94
29) Tetrahydrofuran	7.52	42	514	1.382	ug/l #	41
31) Cyclohexane	7.95	56	3509	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	11789	5.047	ug/l #	50
38) Carbon Tetrachloride	7.94	117	13517	6.751	ug/l #	20
49) 1,4-Dioxane	9.46	88	77	5.375	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	23227	68.572	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	23227	154.858	ug/l #	5
95) Naphthalene	15.37	128	902	4.230	ug/l #	84

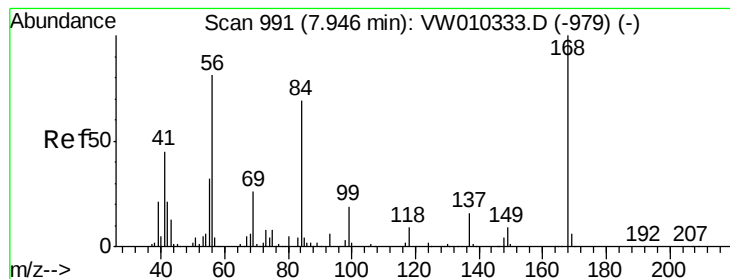
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010385.D

Acq: 11 May 2019 17:06

Instrument :

MSVOA_W

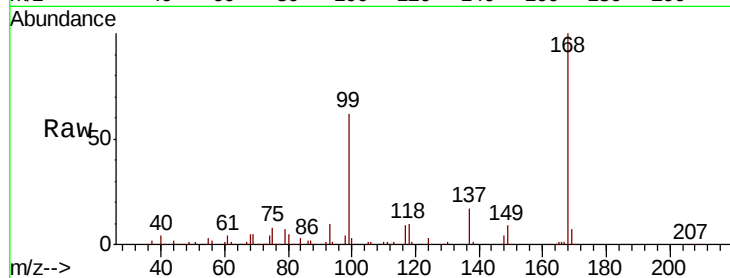
ClientSampleId :

Tot Ion:168 Resp: 135573

Ion Ratio Lower Upper

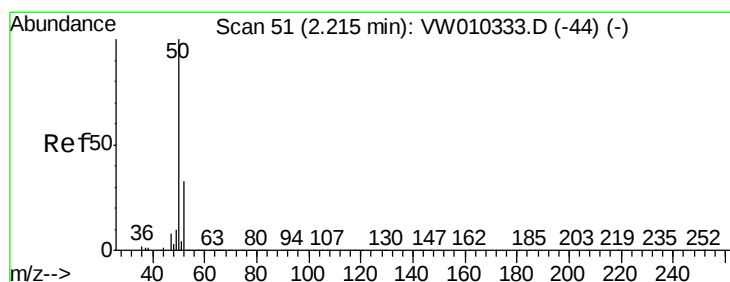
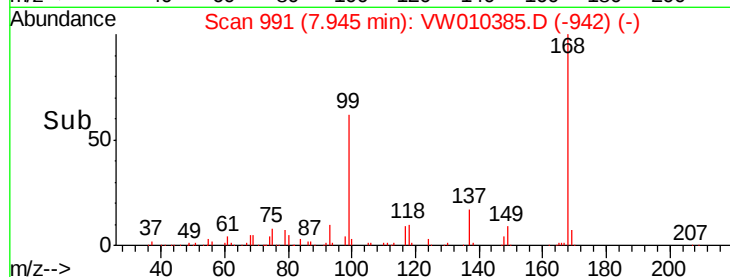
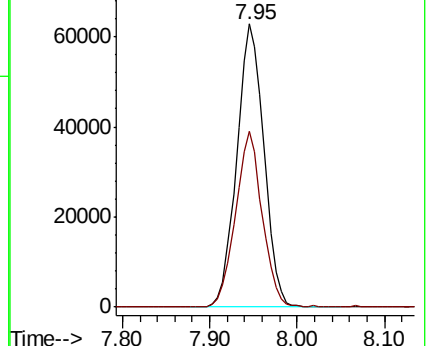
168 100

99 62.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.118 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010385.D

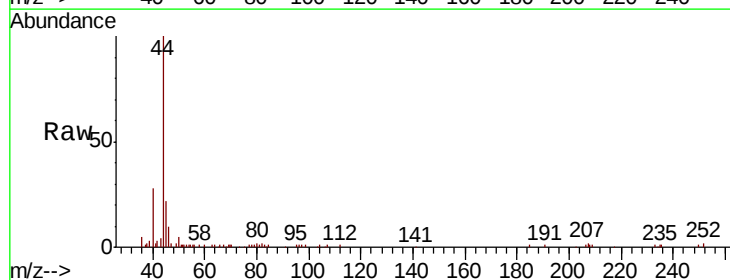
Acq: 11 May 2019 17:06

Tgt Ion: 50 Resp: 1551

Ion Ratio Lower Upper

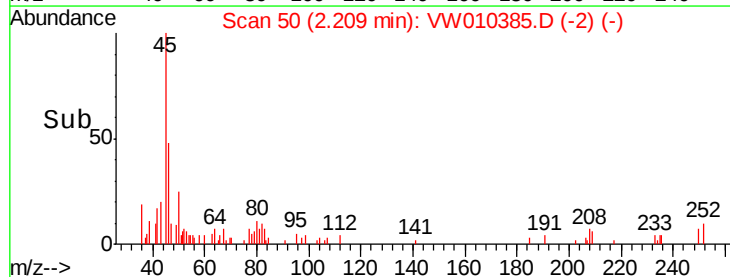
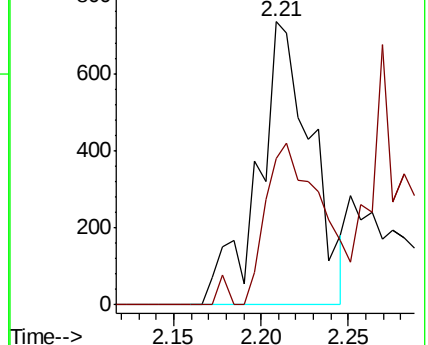
50 100

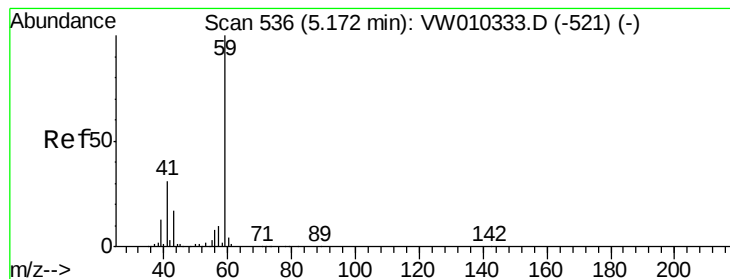
52 51.9 25.0 37.6#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



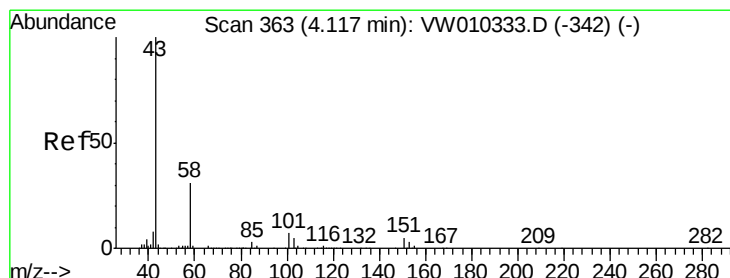
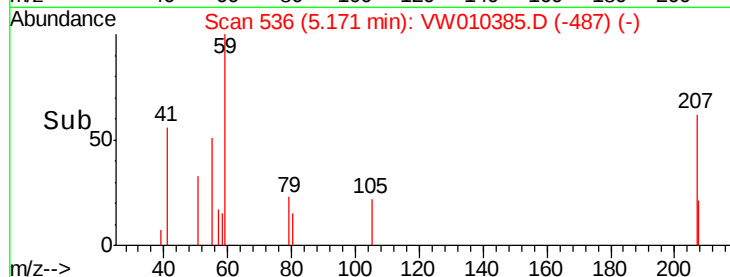
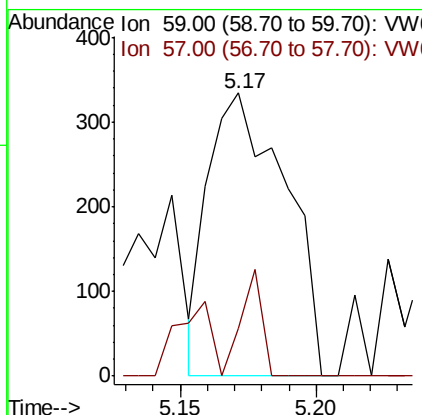
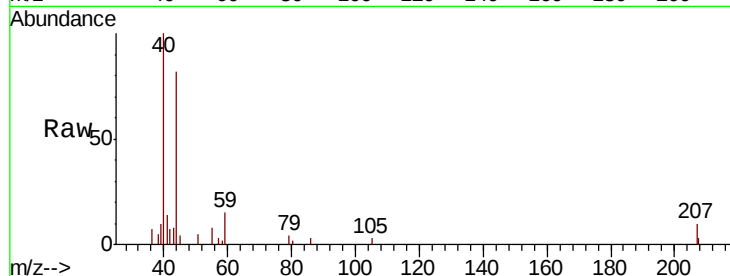


#11

Tert butyl alcohol
 Concen: 6.474 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW010385.D
 Acq: 11 May 2019 17:06

Instrument :
 MSVOA_W
 ClientSampleId :

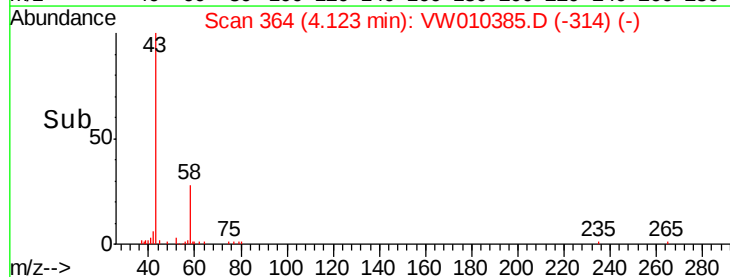
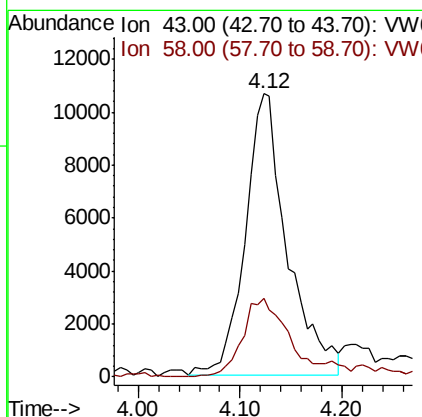
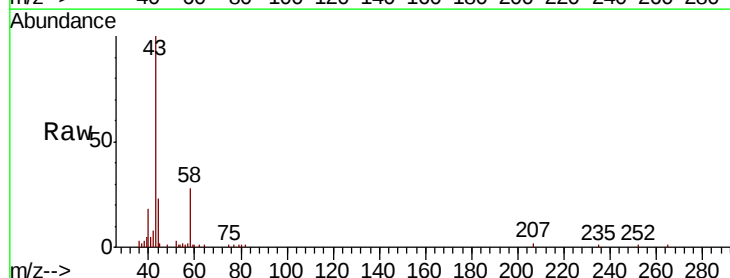
Tot Ion: 59 Resp: 659
 Ion Ratio Lower Upper
 59 100
 57 10.2 9.0 13.4

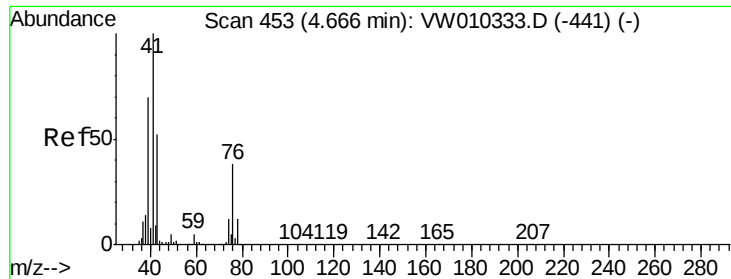


#16

Acetone
 Concen: 80.880 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW010385.D
 Acq: 11 May 2019 17:06

Tgt Ion: 43 Resp: 30390
 Ion Ratio Lower Upper
 43 100
 58 27.9 22.7 34.1

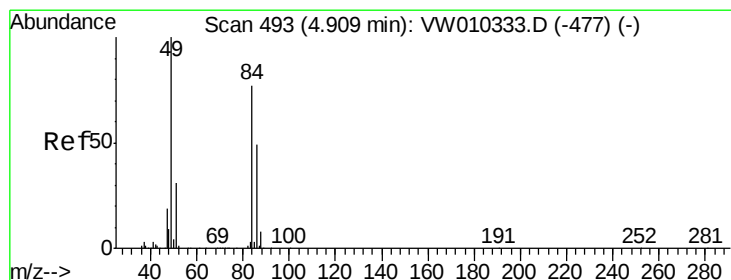
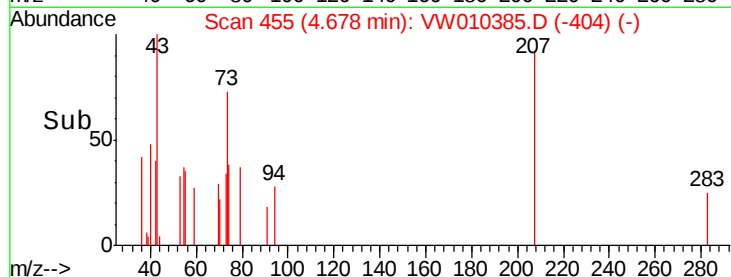
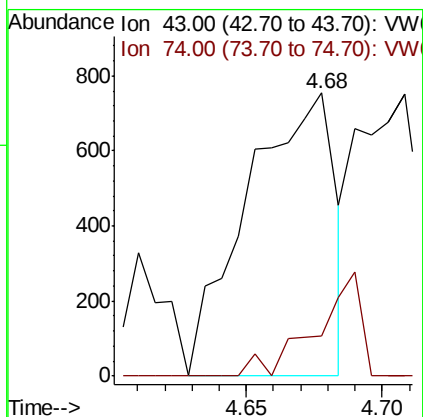
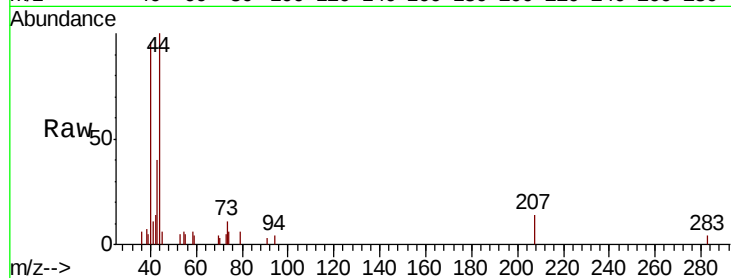




#18
Methyl Acetate
Concen: 1.812 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010385.D
Acq: 11 May 2019 17:06

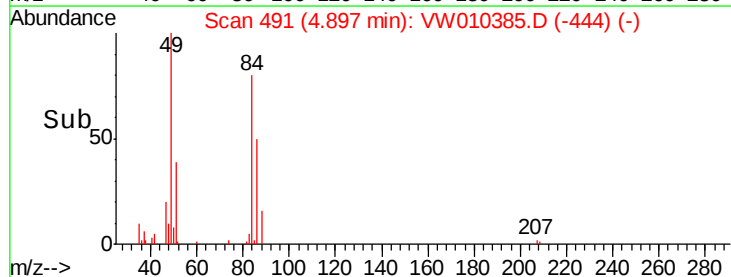
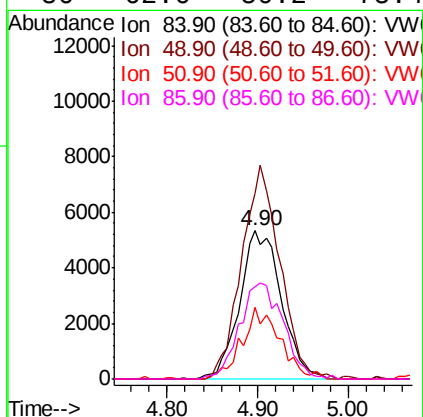
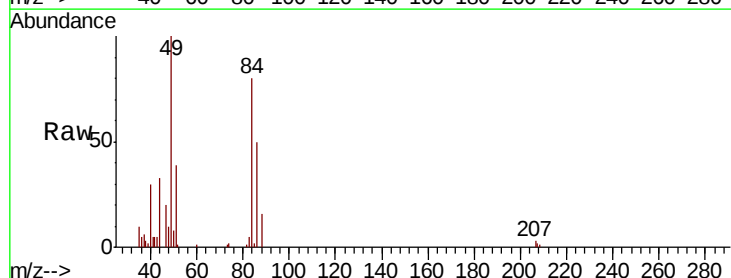
Instrument :
MSVOA_W
ClientSampled :

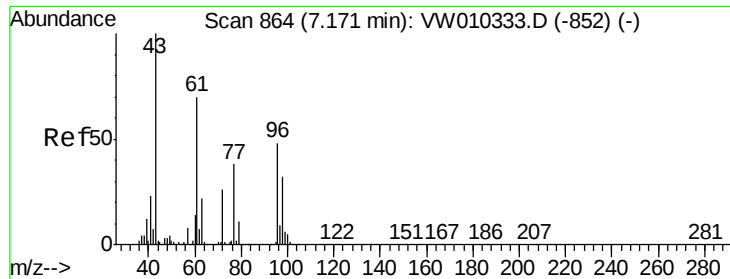
Tot Ion: 43 Resp: 1686
Ion Ratio Lower Upper
43 100
74 18.6 16.8 25.2



#20
Methylene Chloride
Concen: 10.811 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW010385.D
Acq: 11 May 2019 17:06

Tgt Ion: 84 Resp: 16943
Ion Ratio Lower Upper
84 100
49 125.0 112.3 168.5
51 48.7 33.9 50.9
86 62.6 50.2 75.4

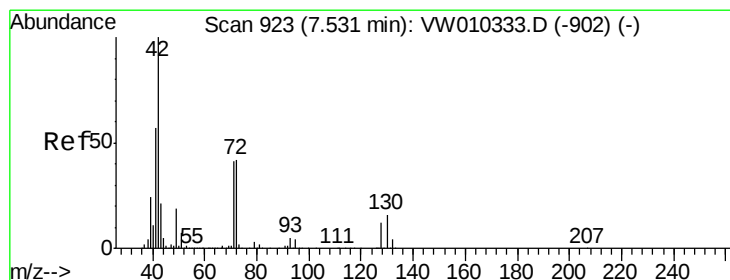
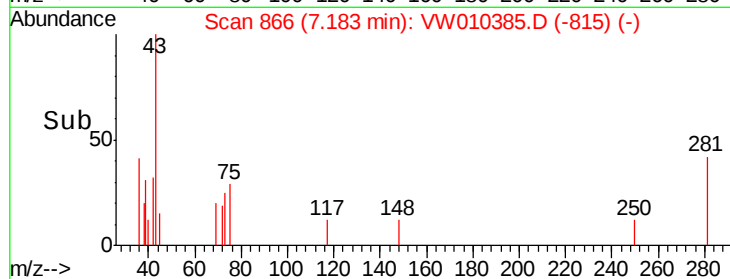
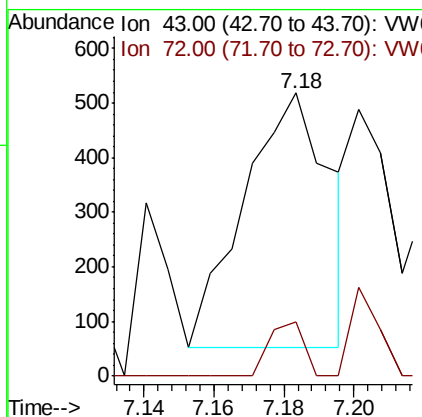
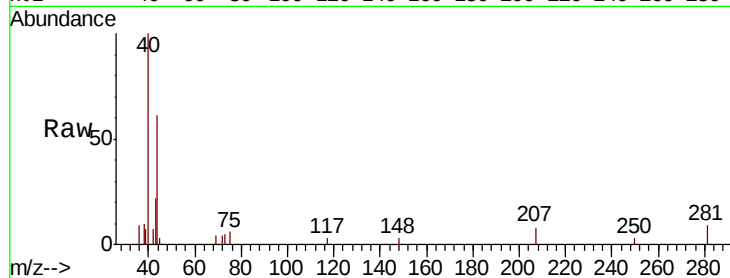




#25
2-Butanone
Concen: 1.380 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW010385.D
Acq: 11 May 2019 17:06

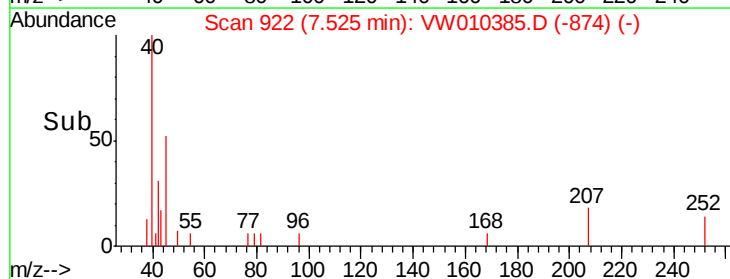
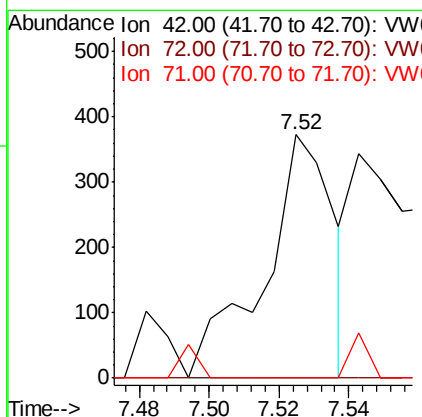
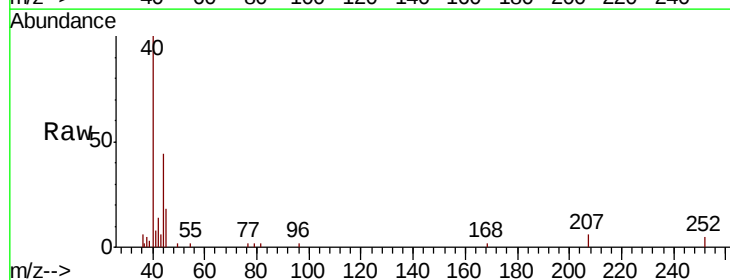
Instrument :
MSVOA_W
ClientSampleId :

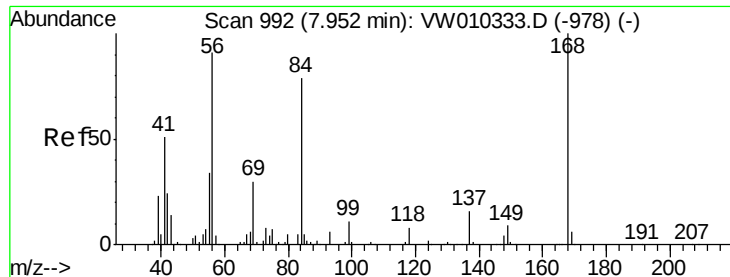
Tot Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
72 21.1 19.1 28.7



#29
Tetrahydrofuran
Concen: 1.382 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010385.D
Acq: 11 May 2019 17:06

Tgt Ion: 42 Resp: 514
Ion Ratio Lower Upper
42 100
72 0.0 31.0 46.6#
71 5.1 29.7 44.5#





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010385.D

Acq: 11 May 2019 17:06

Instrument :

MSVOA_W

ClientSampled :

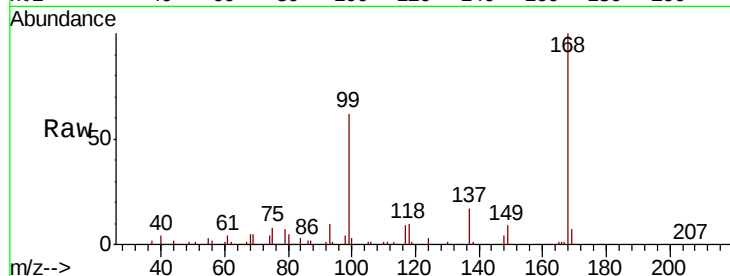
Tot Ion: 56 Resp: 3509

Ion Ratio Lower Upper

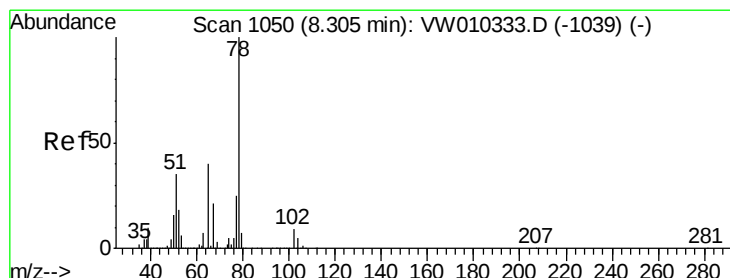
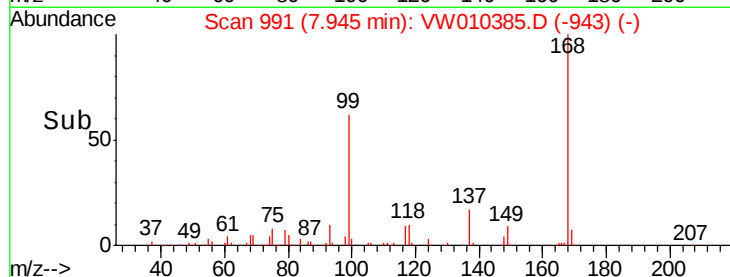
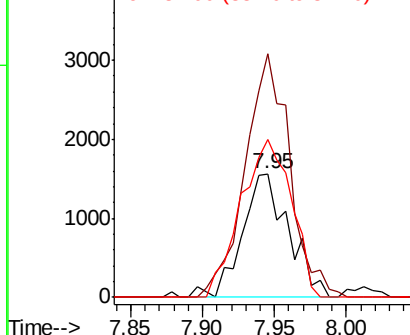
56 100

69 197.4 26.6 40.0#

84 128.1 66.2 99.2#



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: 131.477 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010385.D

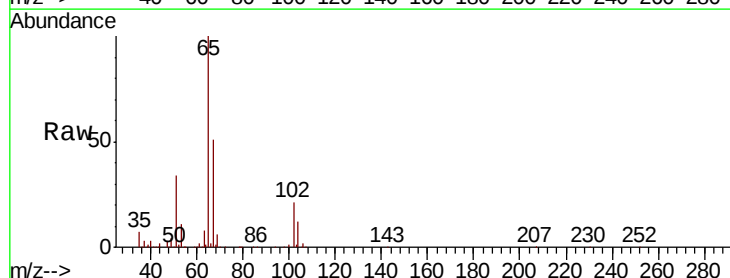
Acq: 11 May 2019 17:06

Tgt Ion: 65 Resp: 189501

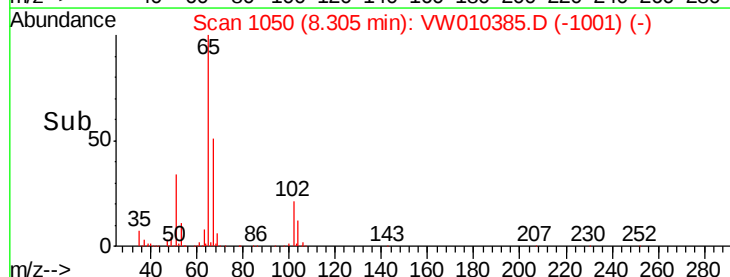
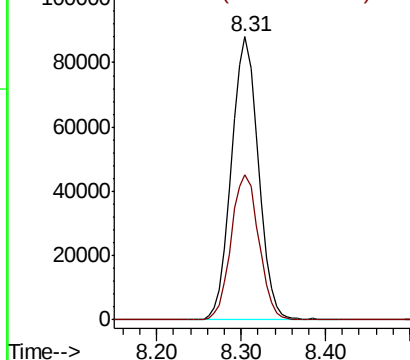
Ion Ratio Lower Upper

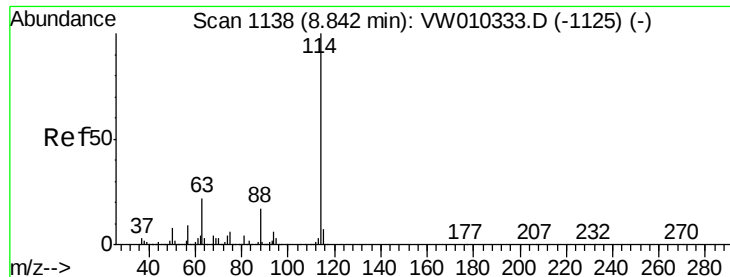
65 100

67 52.6 0.0 100.8



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

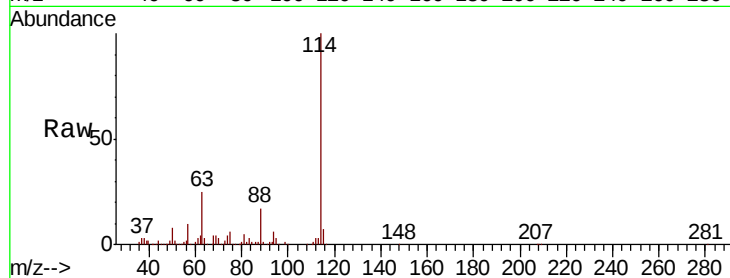




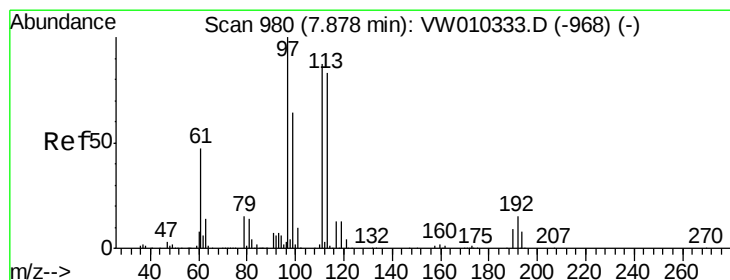
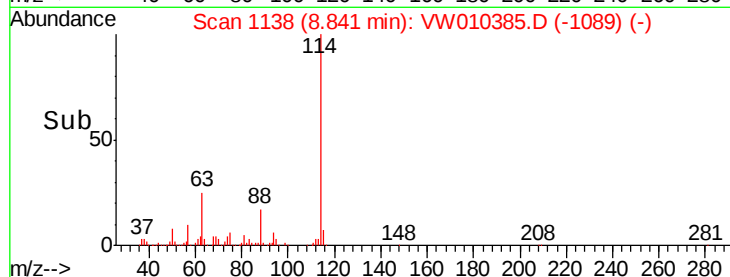
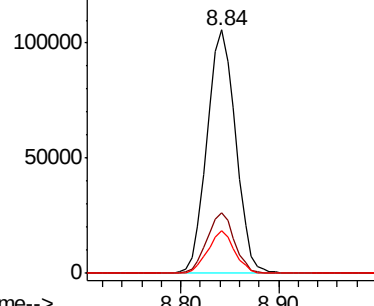
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010385.D
 Acq: 11 May 2019 17:06

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	46.2
88	17.3	0.0	32.6

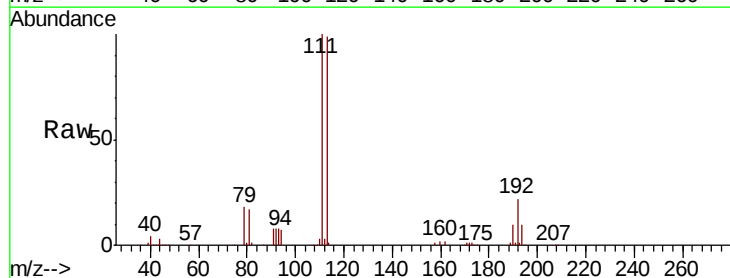


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

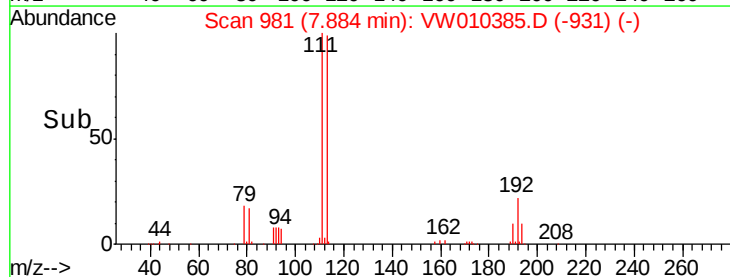
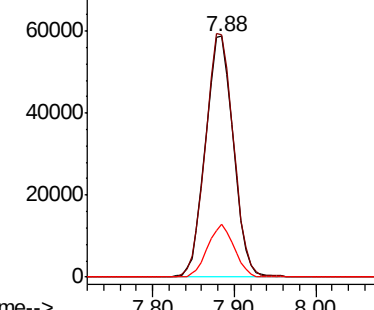


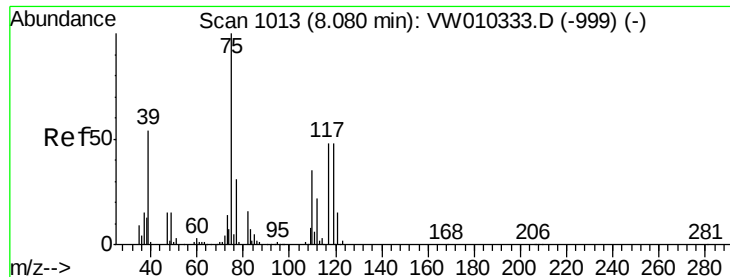
#35
 Dibromofluoromethane
 Concen: 109.758 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010385.D
 Acq: 11 May 2019 17:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.6	123.8
192	20.7	15.4	23.2



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

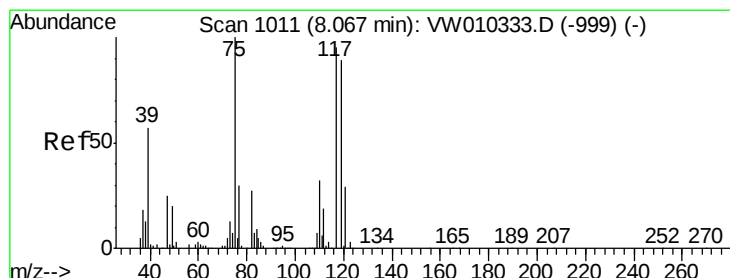
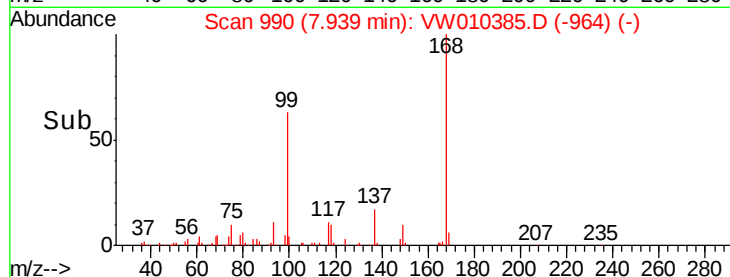
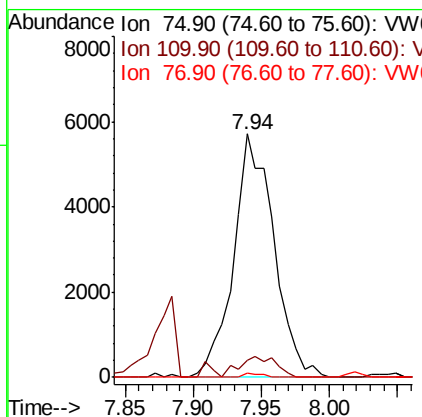
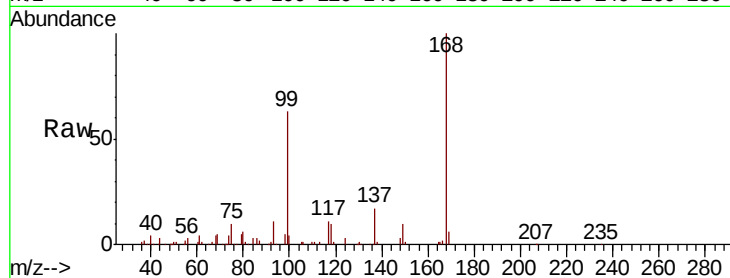




#36
 1,1-Dichloropropene
 Concen: 5.047 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW010385.D
 Acq: 11 May 2019 17:06

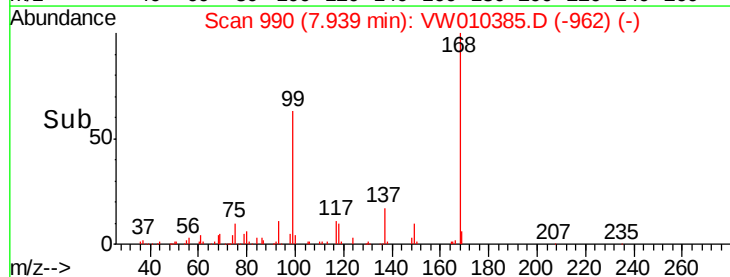
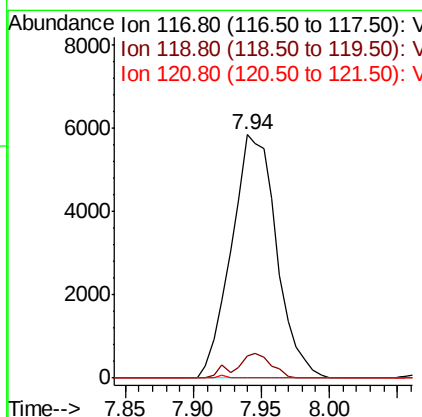
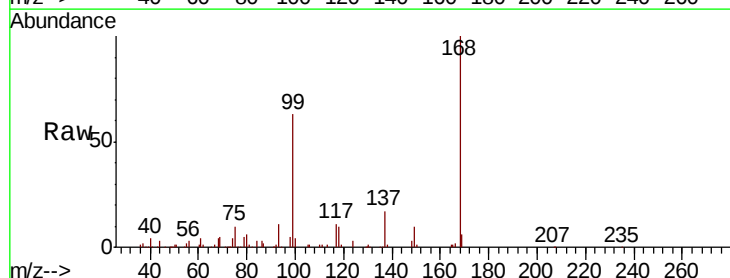
Instrument :
 MSVOA_W
 ClientSampleId :

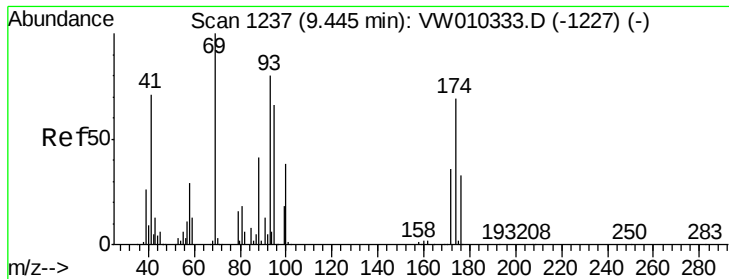
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.6	49.8#
77	0.7	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.751 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW010385.D
 Acq: 11 May 2019 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	9.0	75.3	112.9#
121	0.0	24.4	36.6#





#49

1,4-Dioxane

Concen: 5.375 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

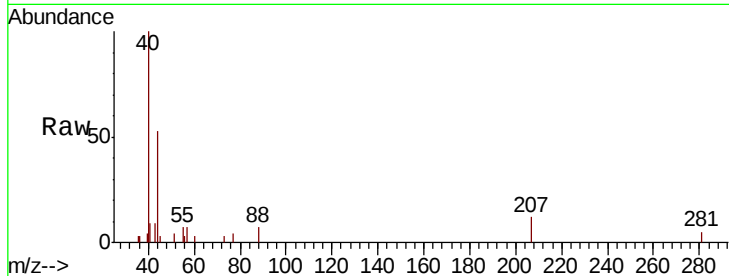
Lab File: VW010385.D

Acq: 11 May 2019 17:06

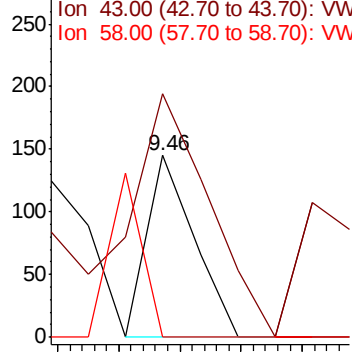
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 77

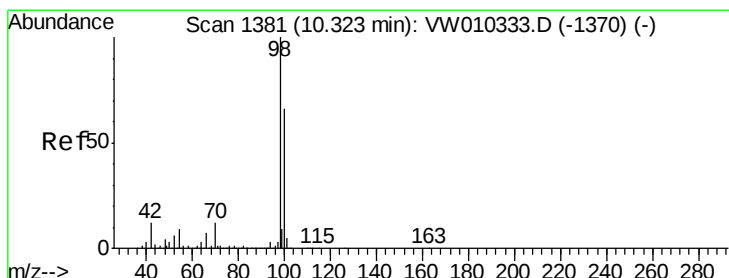
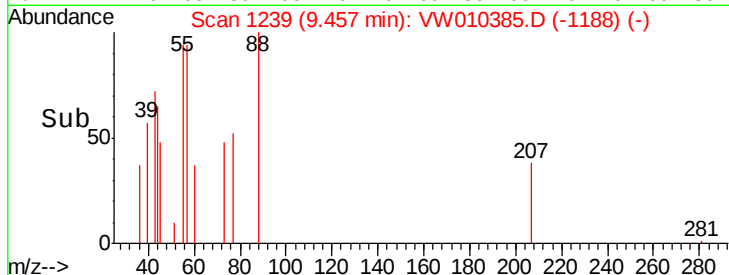
Ion	Ratio	Lower	Upper
88	100		
43	215.6	31.9	47.9#
58	62.3	61.8	92.6



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



Time-->



#50

Toluene-d8

Concen: 34.775 ug/l

RT: 10.32 min Scan# 1381

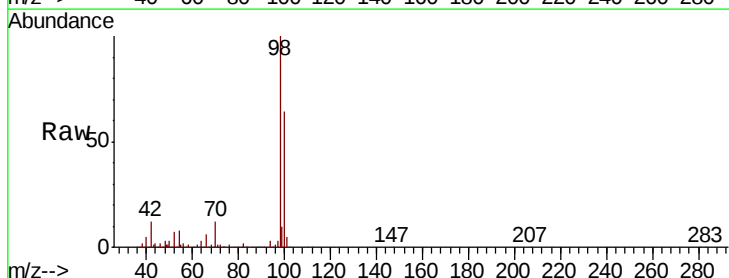
Delta R.T. -0.00 min

Lab File: VW010385.D

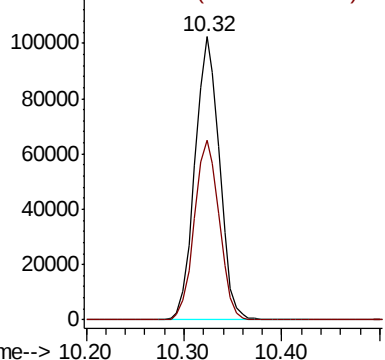
Acq: 11 May 2019 17:06

Tgt Ion: 98 Resp: 178500

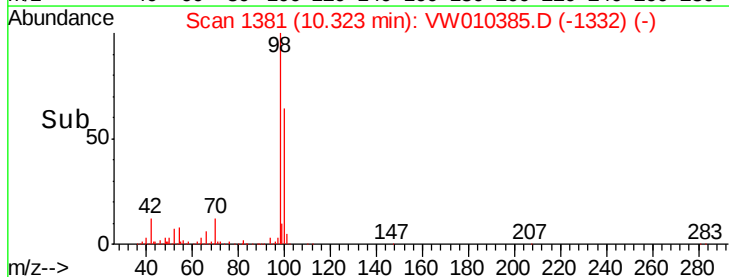
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.3	78.5

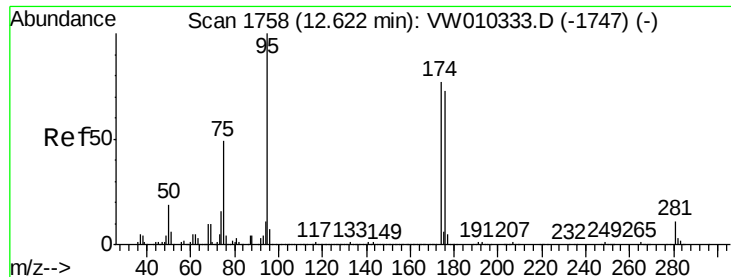


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW



Time-->

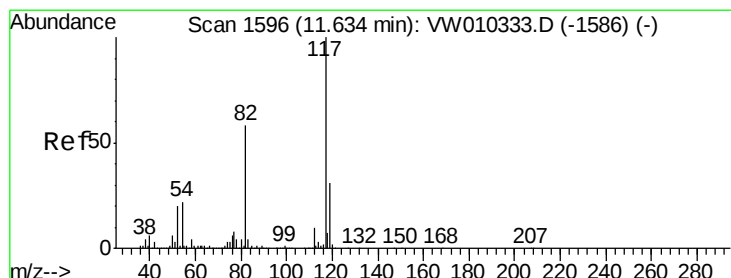
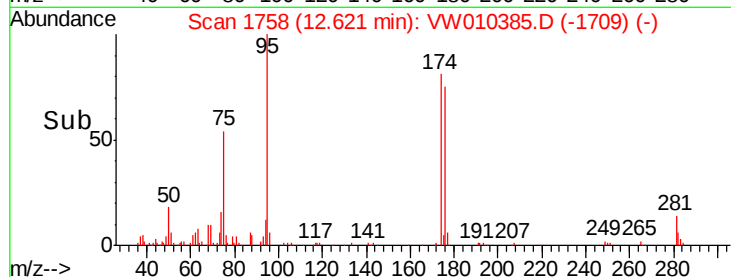
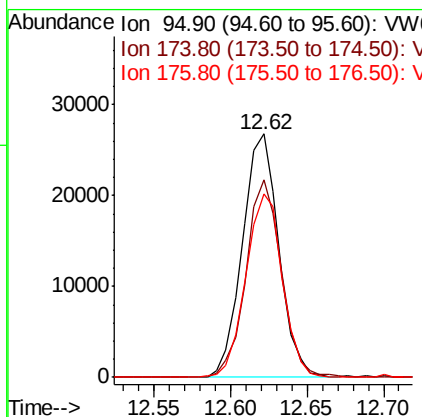
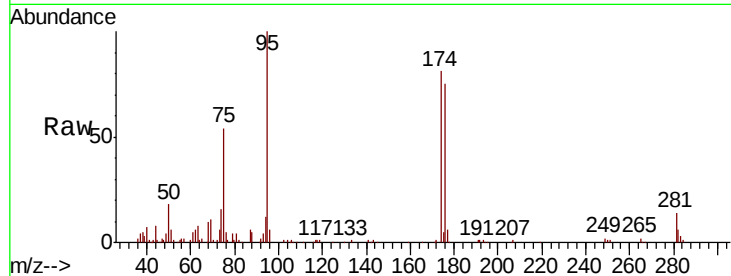




#62
4-Bromofluorobenzene
Concen: 24.396 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010385.D
Acq: 11 May 2019 17:06

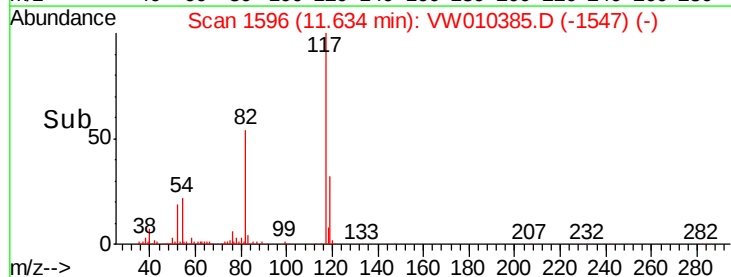
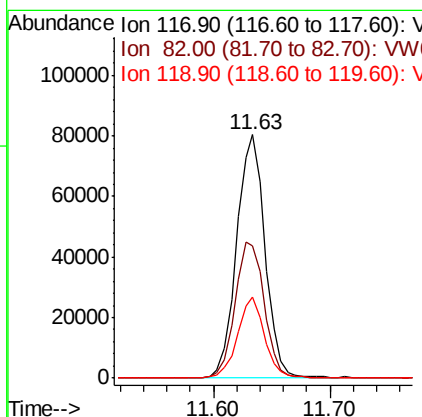
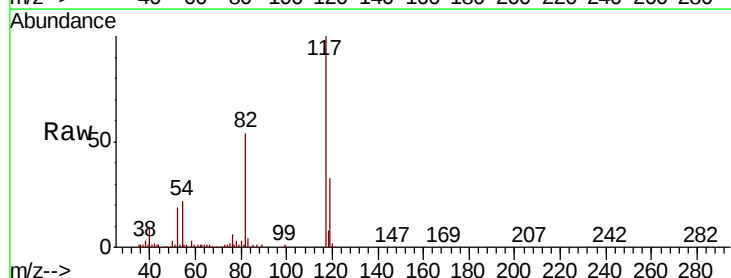
Instrument :
MSVOA_W
ClientSampleId :

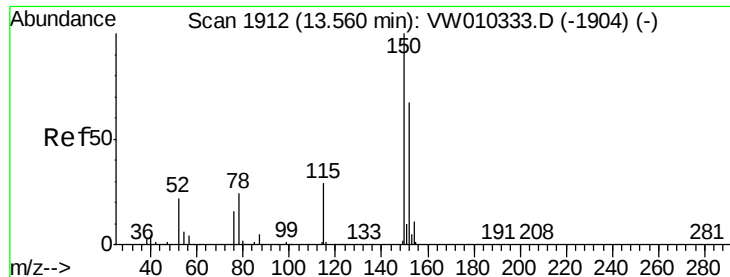
Tot Ion: 95 Resp: 44079
Ion Ratio Lower Upper
95 100
174 79.4 0.0 151.4
176 76.0 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010385.D
Acq: 11 May 2019 17:06

Tgt Ion: 117 Resp: 136401
Ion Ratio Lower Upper
117 100
82 54.3 45.2 67.8
119 32.9 25.4 38.2



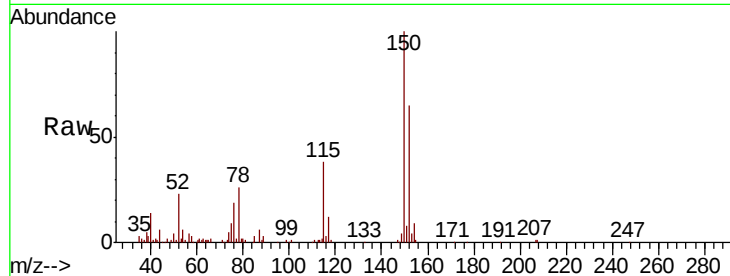


#72

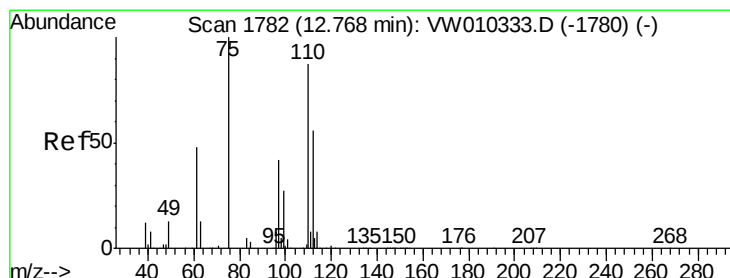
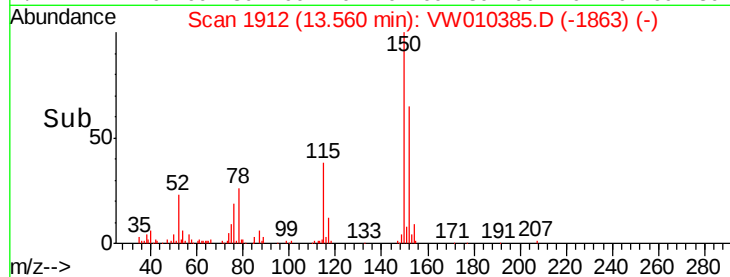
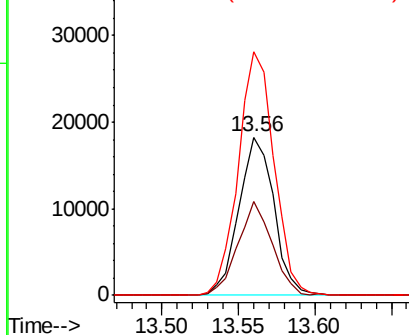
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010385.D
Acq: 11 May 2019 17:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.4	91.2
150	157.1	0.0	347.0



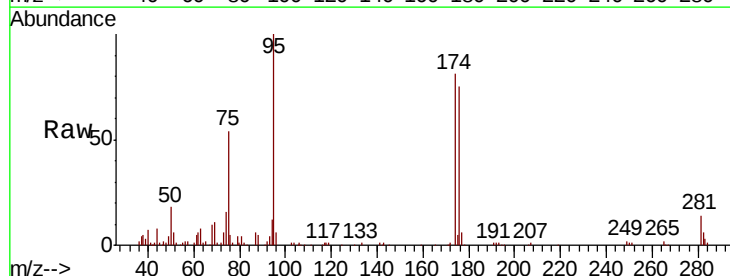
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



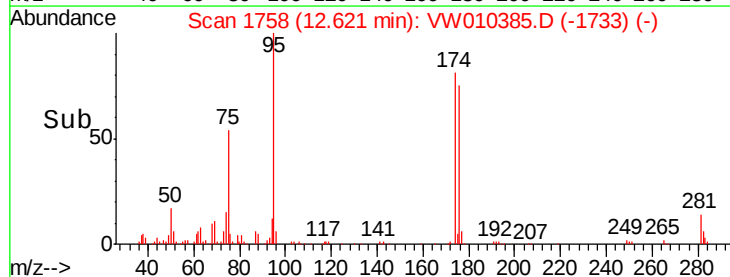
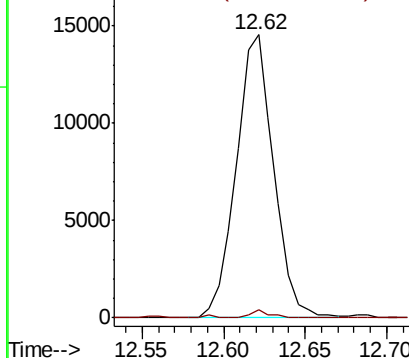
#76

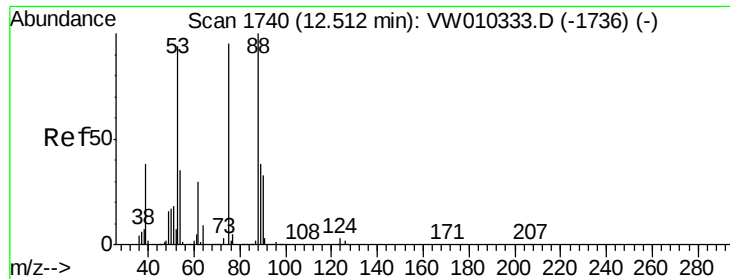
1,2,3-Trichloropropane
Concen: 68.572 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010385.D
Acq: 11 May 2019 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 154.858 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010385.D

Acq: 11 May 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

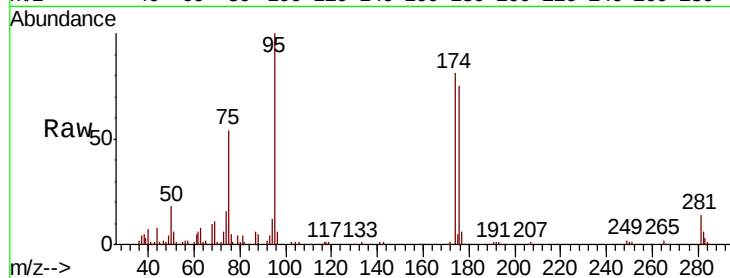
Tot Ion: 75 Resp: 23227

Ion Ratio Lower Upper

75 100

53 0.2 89.8 134.8#

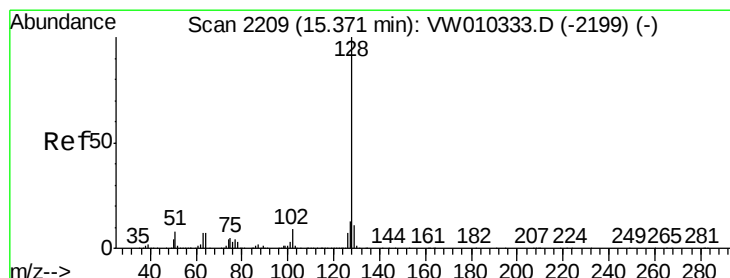
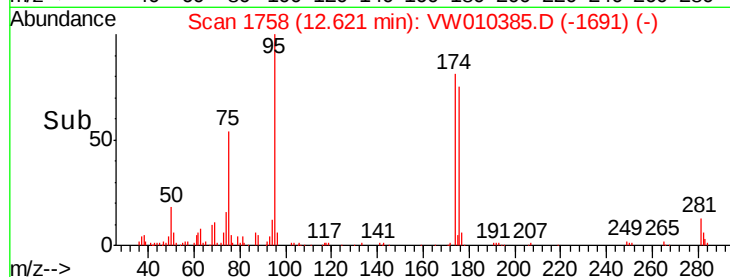
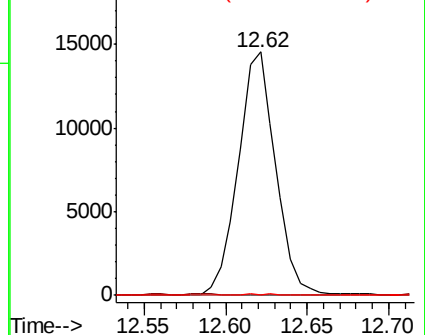
89 0.2 36.6 54.8#



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



#95

Naphthalene

Concen: 4.230 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010385.D

Acq: 11 May 2019 17:06

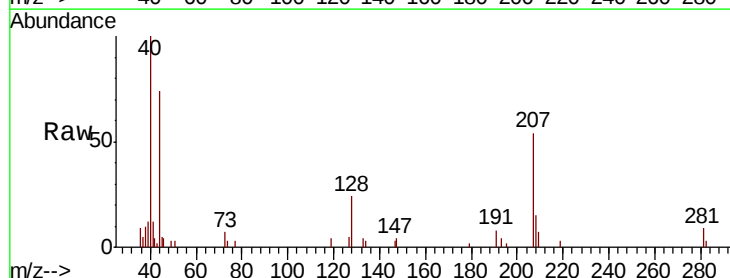
Tgt Ion: 128 Resp: 902

Ion Ratio Lower Upper

128 100

127 10.8 10.6 15.8

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

