

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009096.D
 Acq On : 11 Mar 2019 19:32
 Operator : SY/VA
 Sample : K1691-03
 Misc : 6.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-030819-B

Quant Time: Mar 12 08:13:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	451224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160970	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	172480	61.63	ug/l	0.00
Spiked Amount			Recovery	=	123.26%	
35) Dibromofluoromethane	7.88	113	145600	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
50) Toluene-d8	10.32	98	538473	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.62	95	176085	40.09	ug/l	0.00
Spiked Amount			Recovery	=	80.18%	

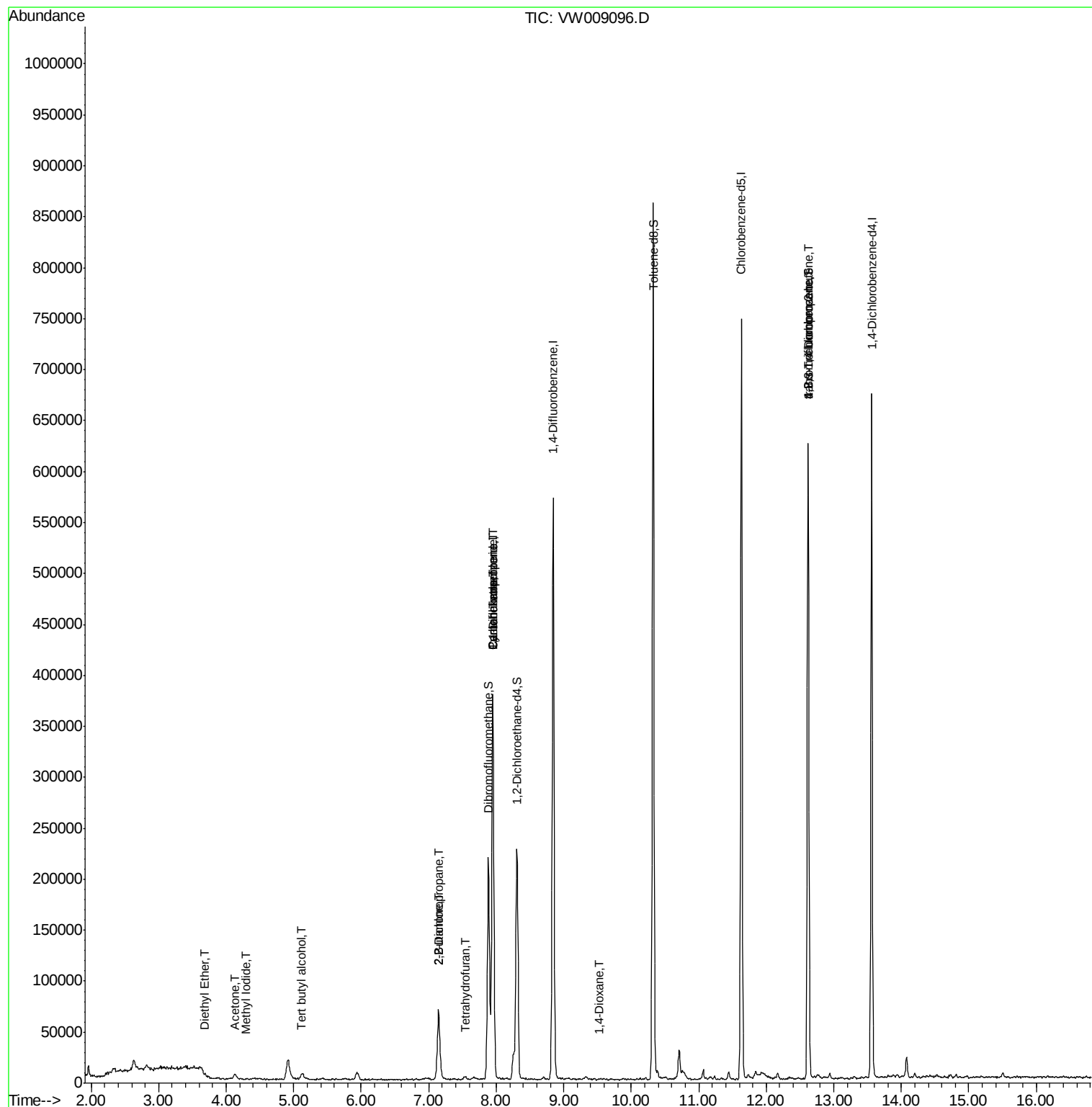
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1545	1.086	ug/l	82
10) Methyl Iodide	4.29	142	56	3.204	ug/l #	40
11) Tert butyl alcohol	5.11	59	2196	10.240	ug/l #	87
16) Acetone	4.13	43	8789	13.917	ug/l #	86
20) Methylene Chloride	4.91	84	14639	Below Cal		88
25) 2-Butanone	7.15	43	4767	5.462	ug/l #	82
26) 2,2-Dichloropropane	7.15	77	4849	1.049	ug/l #	57
29) Tetrahydrofuran	7.53	42	1892	3.440	ug/l #	80
31) Cyclohexane	7.95	56	7201	1.380	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	23395	4.959	ug/l #	49
38) Carbon Tetrachloride	7.95	117	27857	5.717	ug/l #	18
49) 1,4-Dioxane	9.53	88	27	1.094	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	93325	73.380	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	93325	164.133	ug/l #	5

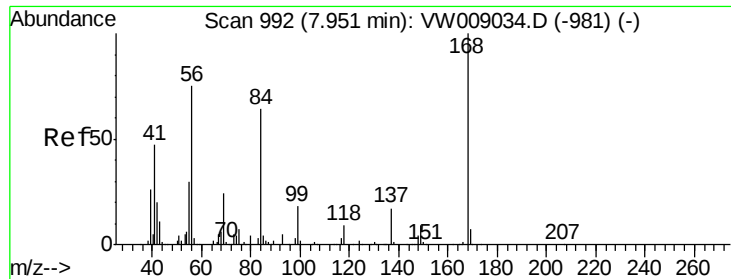
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009096.D

Acq: 11 Mar 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

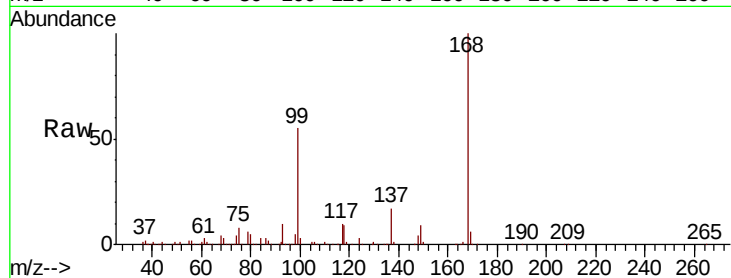
CL-02-030819-B

Tgt Ion:168 Resp: 278166

Ion Ratio Lower Upper

168 100

99 54.7 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

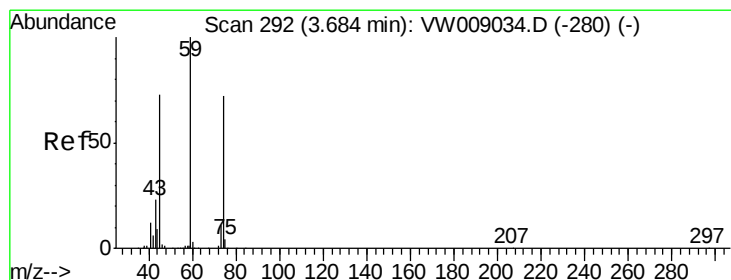
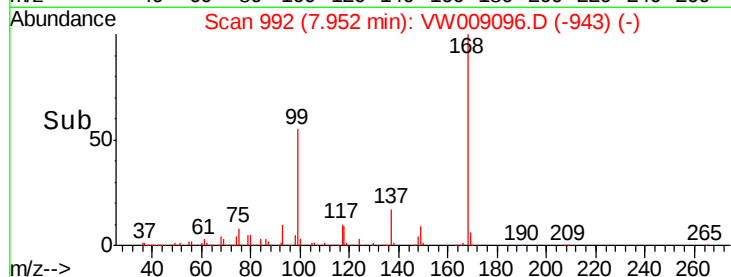
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.086 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW009096.D

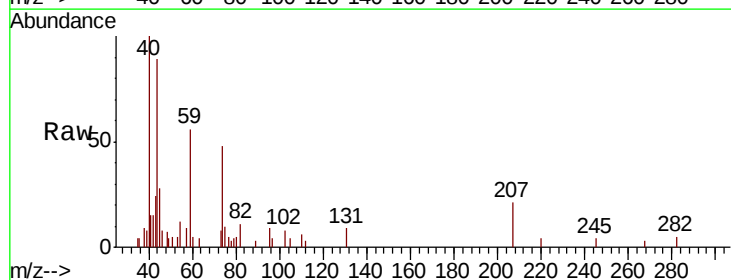
Acq: 11 Mar 2019 19:32

Tgt Ion: 74 Resp: 1545

Ion Ratio Lower Upper

74 100

45 123.0 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

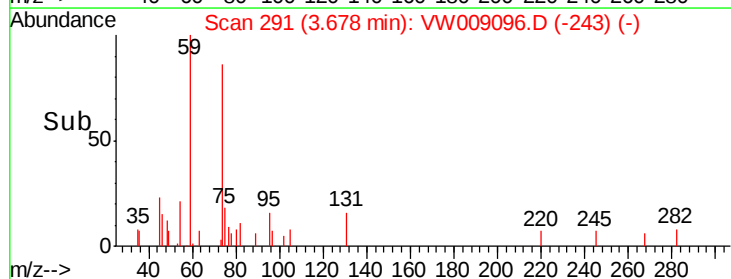
600

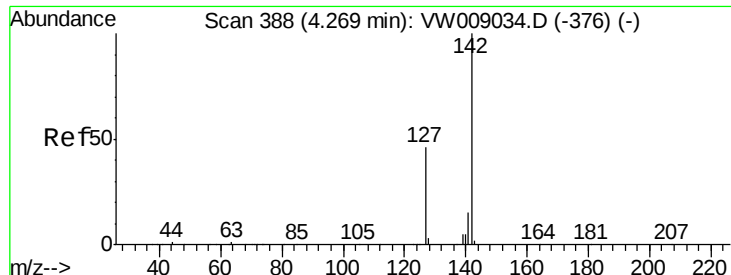
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200

0

Time-->

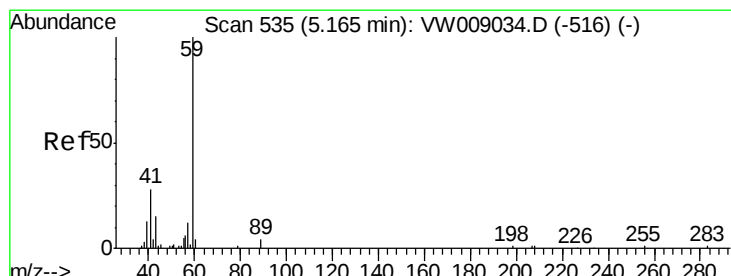
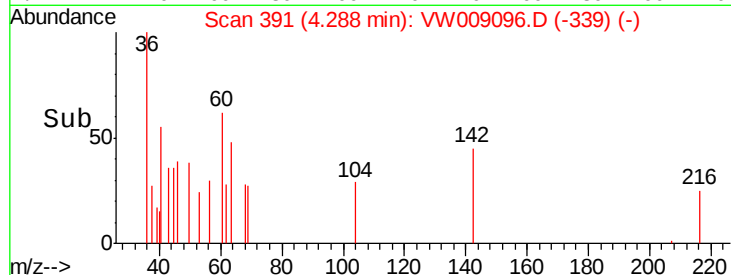
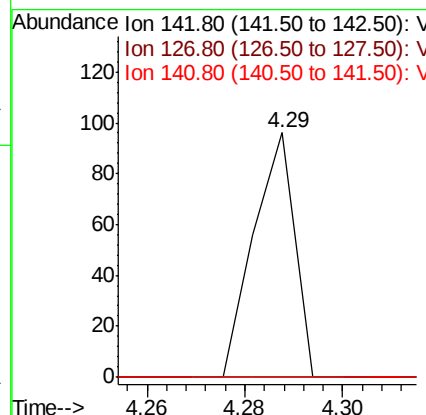
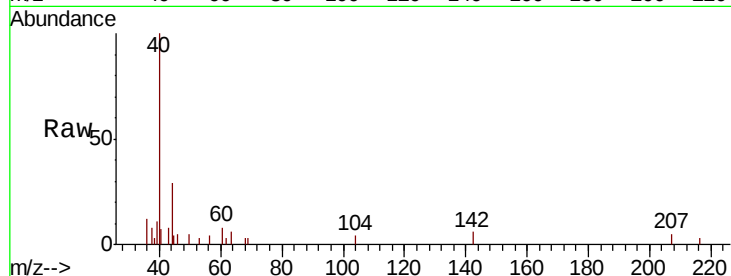




#10
Methyl Iodide
Concen: 3.204 ug/l
RT: 4.29 min Scan# 391
Delta R.T. 0.02 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

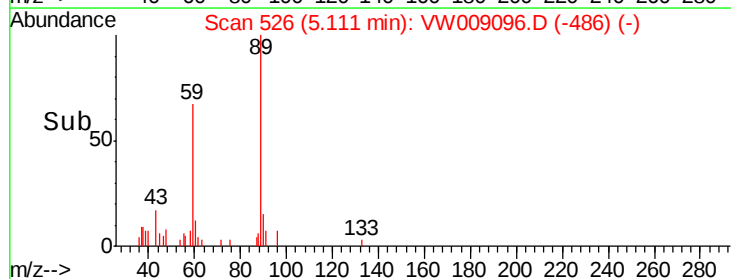
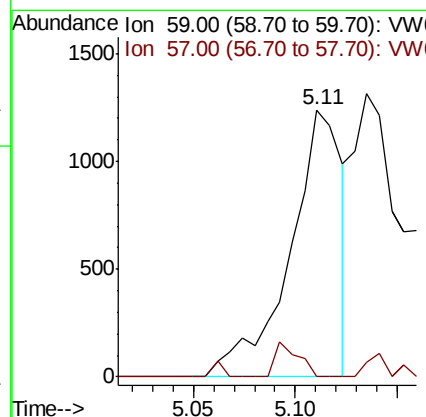
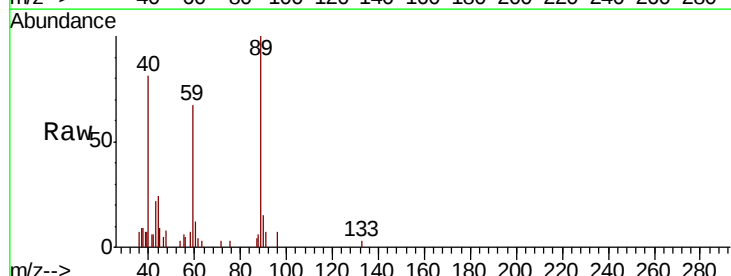
Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-B

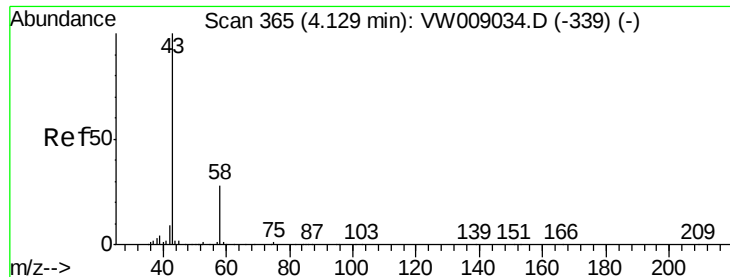
Tgt Ion:	142	Resp:	56
Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.8	53.6#
141	0.0	11.8	17.8#



#11
Tert butyl alcohol
Concen: 10.240 ug/l
RT: 5.11 min Scan# 526
Delta R.T. -0.05 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

Tgt Ion:	59	Resp:	2196
Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.6	12.8#

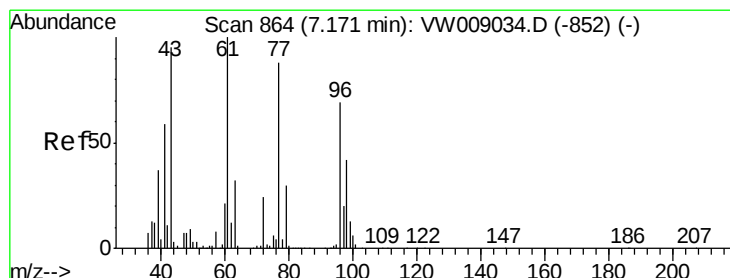
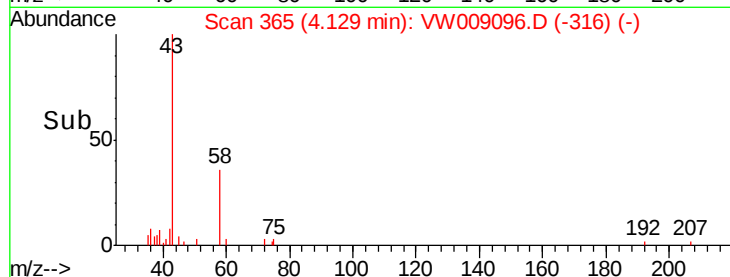
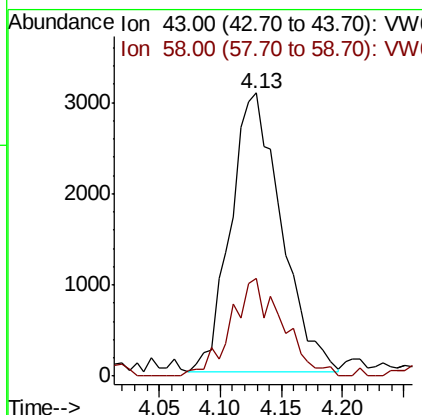
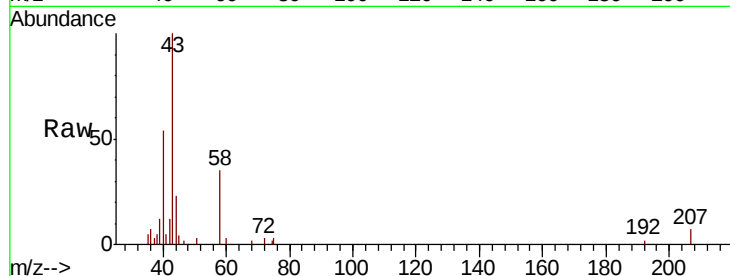




#16
Acetone
Concen: 13.917 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.00 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

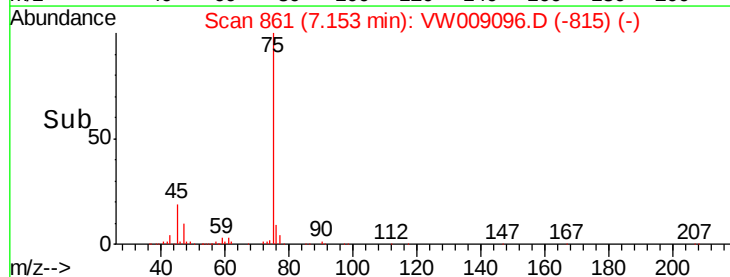
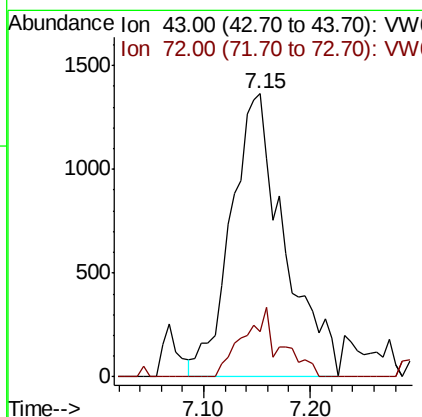
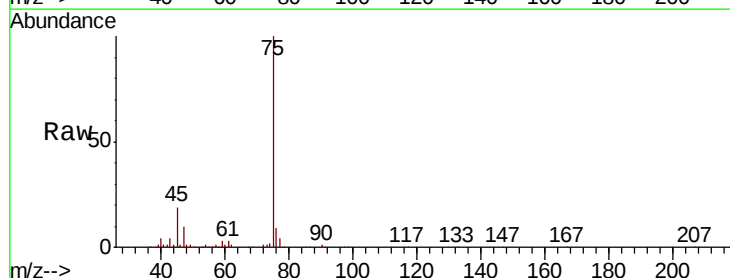
Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-B

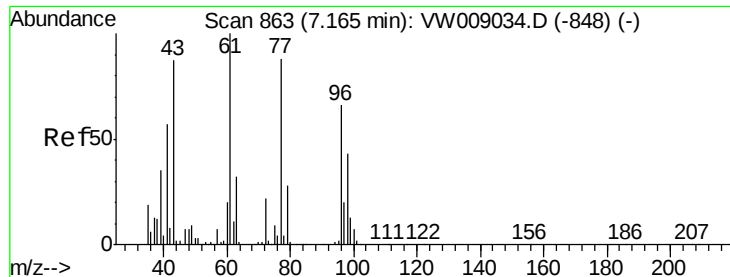
Tgt Ion: 43 Resp: 8789
Ion Ratio Lower Upper
43 100
58 35.3 22.5 33.7#



#25
2-Butanone
Concen: 5.462 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

Tgt Ion: 43 Resp: 4767
Ion Ratio Lower Upper
43 100
72 16.1 20.0 30.0#





#26

2,2-Dichloropropane

Concen: 1.049 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009096.D

Acq: 11 Mar 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

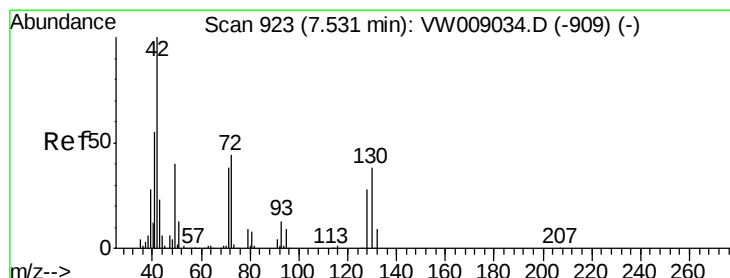
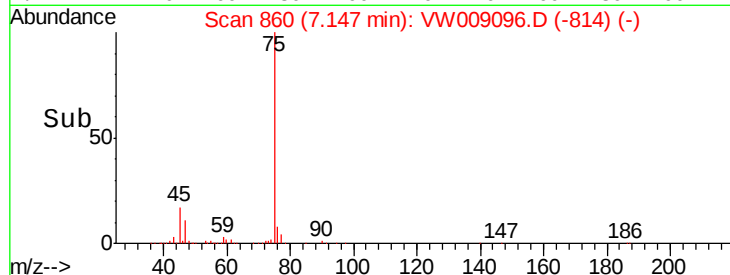
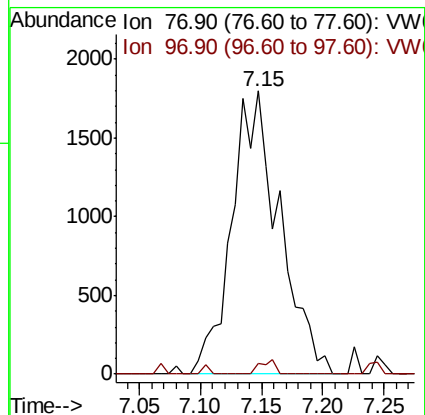
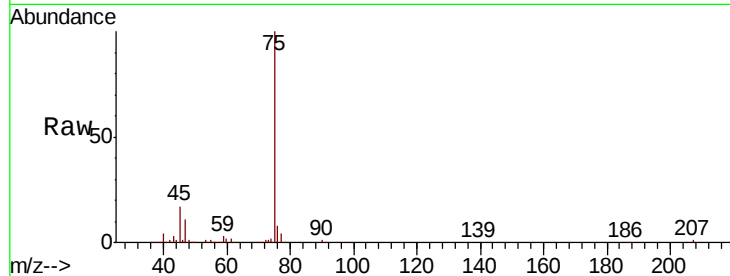
CL-02-030819-B

Tgt Ion: 77 Resp: 4849

Ion Ratio Lower Upper

77 100

97 1.7 10.9 32.9#



#29

Tetrahydrofuran

Concen: 3.440 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW009096.D

Acq: 11 Mar 2019 19:32

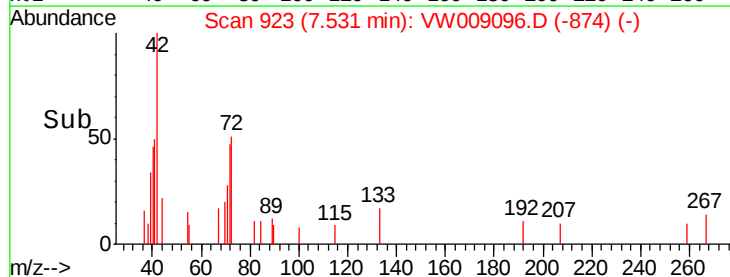
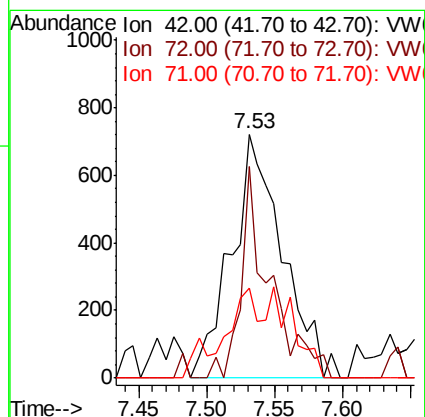
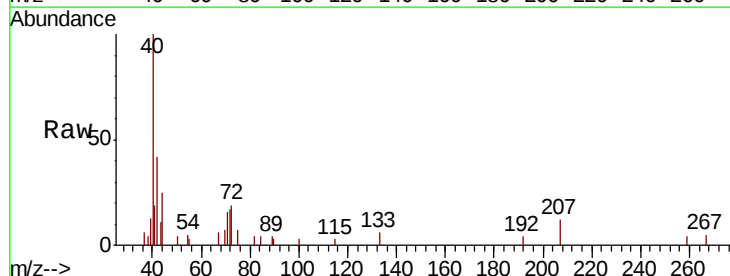
Tgt Ion: 42 Resp: 1892

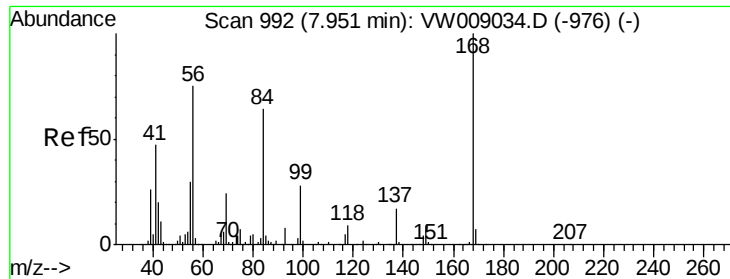
Ion Ratio Lower Upper

42 100

72 49.0 32.2 48.4#

71 22.7 30.7 46.1#

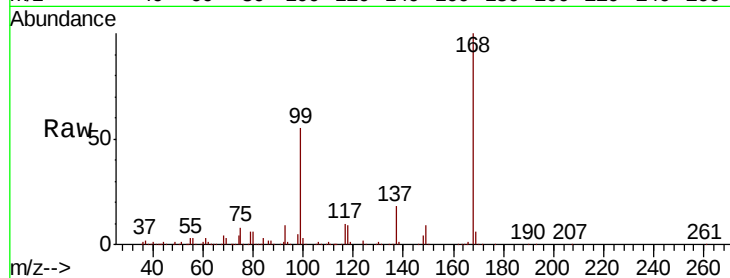




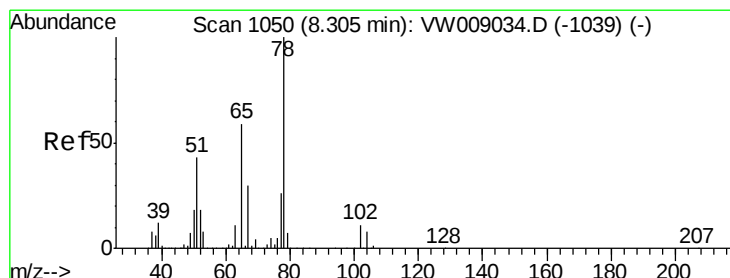
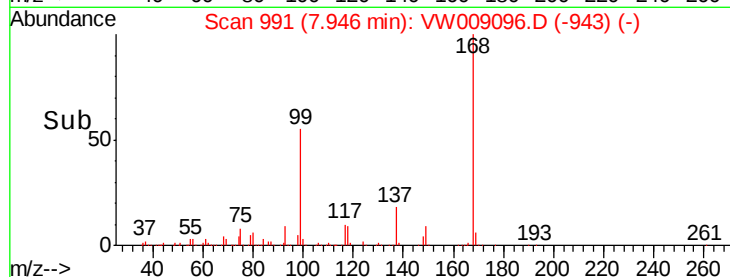
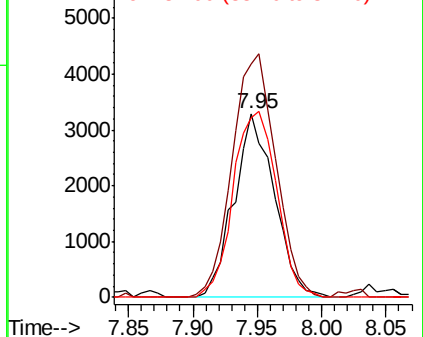
#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-B

Tgt Ion: 56 Resp: 7201
Ion Ratio Lower Upper
56 100
69 127.0 25.5 38.3#
84 98.1 68.6 103.0

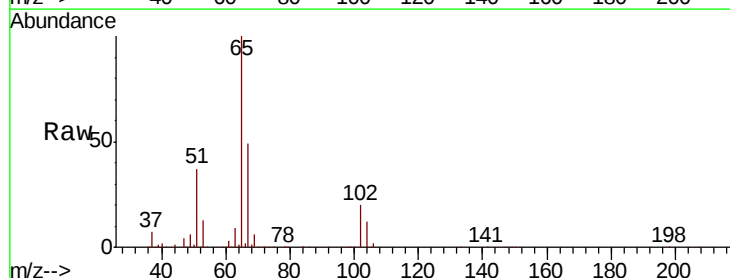


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

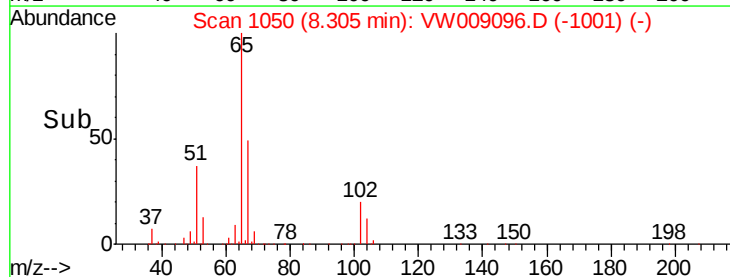
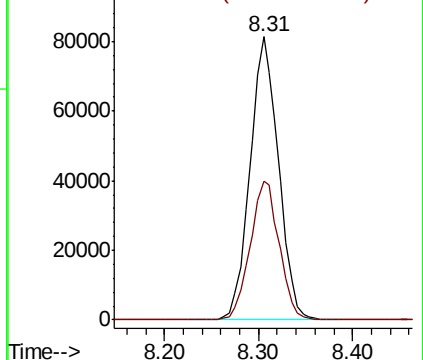


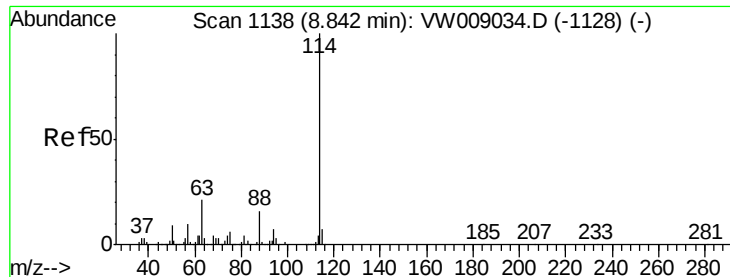
#33
1,2-Dichloroethane-d4
Concen: 61.630 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

Tgt Ion: 65 Resp: 172480
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.0



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

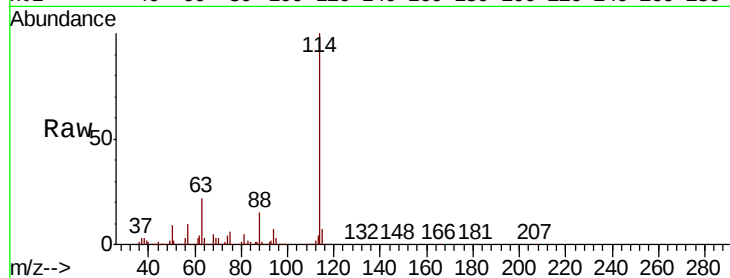




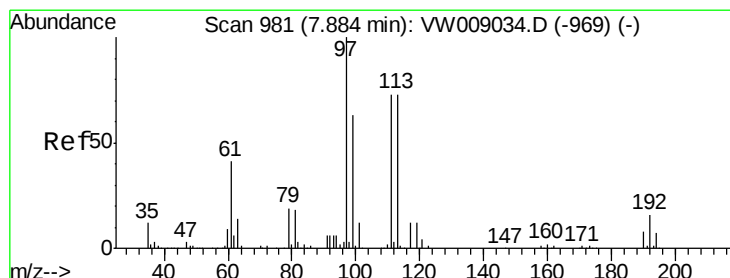
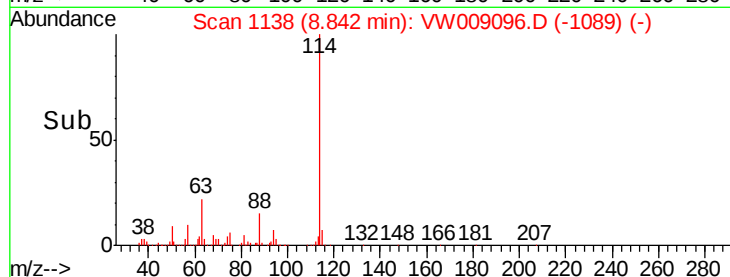
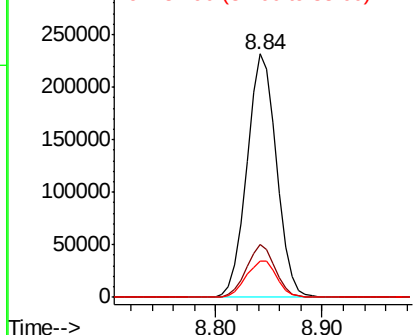
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

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Tgt Ion:114 Resp: 451224
Ion Ratio Lower Upper
114 100
63 21.5 0.0 41.2
88 14.7 0.0 31.2

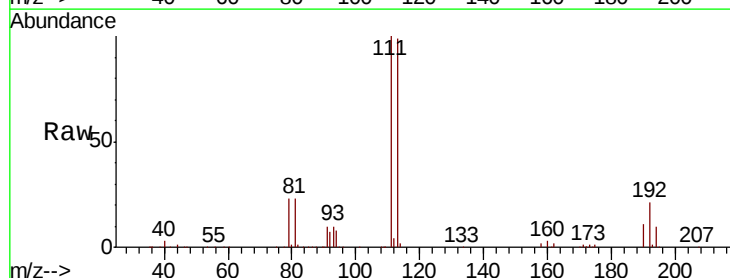


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

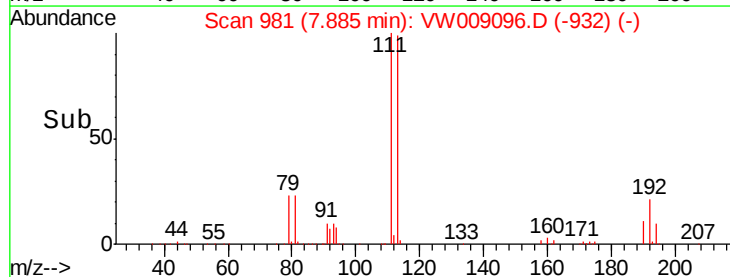
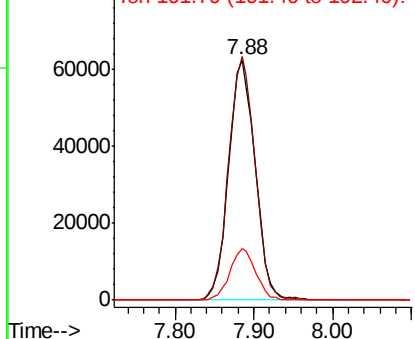


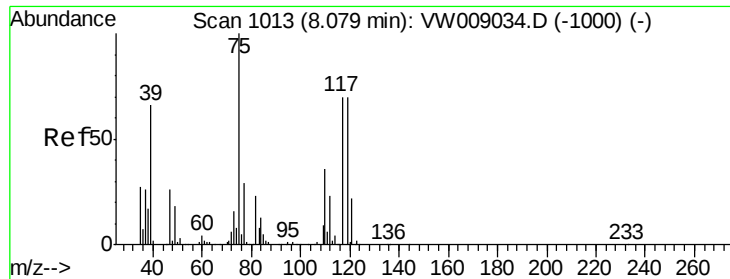
#35
Dibromofluoromethane
Concen: 53.593 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

Tgt Ion:113 Resp: 145600
Ion Ratio Lower Upper
113 100
111 101.5 81.0 121.4
192 20.9 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

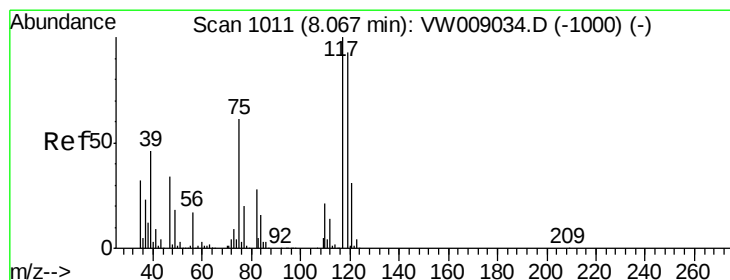
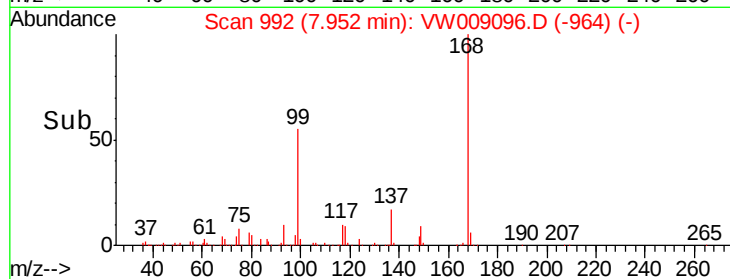
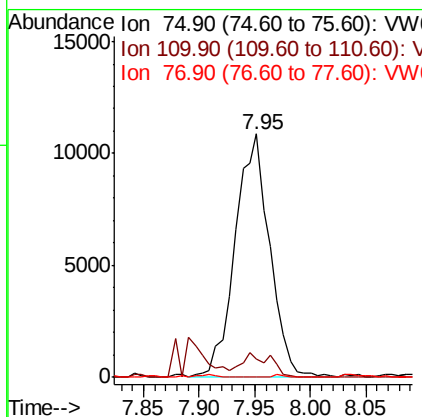
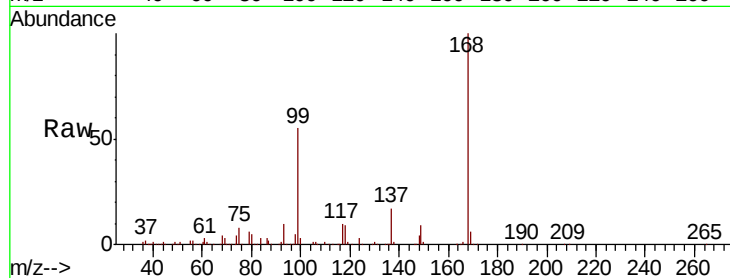




#36
 1,1-Dichloropropene
 Concen: 4.959 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW009096.D
 Acq: 11 Mar 2019 19:32

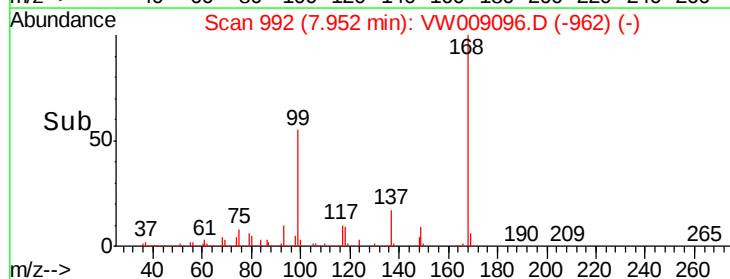
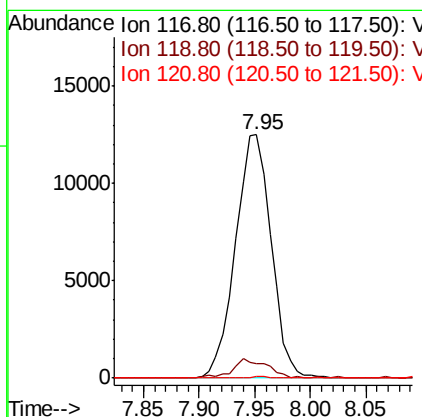
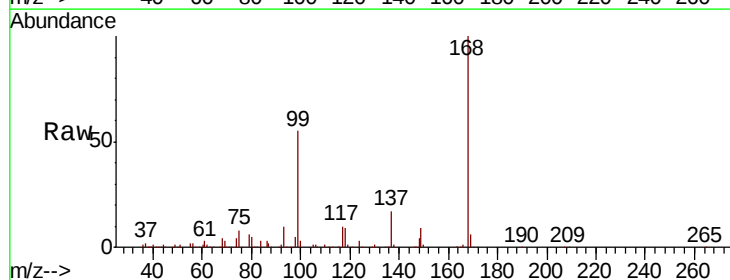
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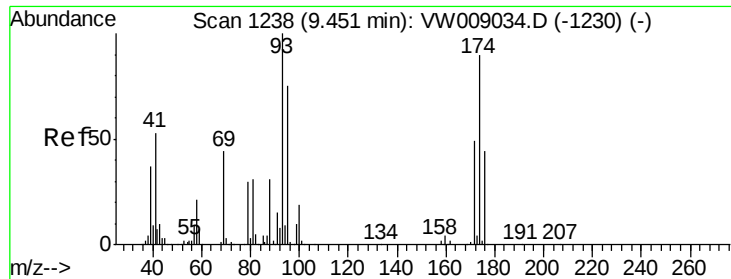
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.6	52.9#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.717 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009096.D
 Acq: 11 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	74.6	112.0#
121	0.9	24.7	37.1#

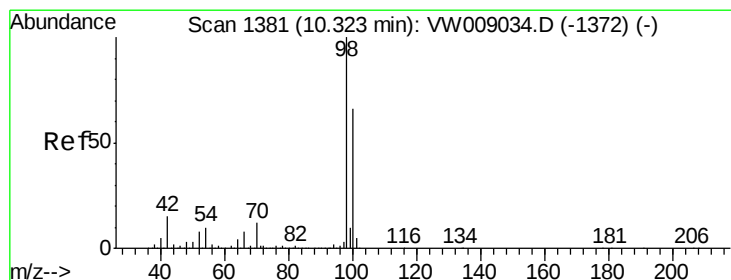
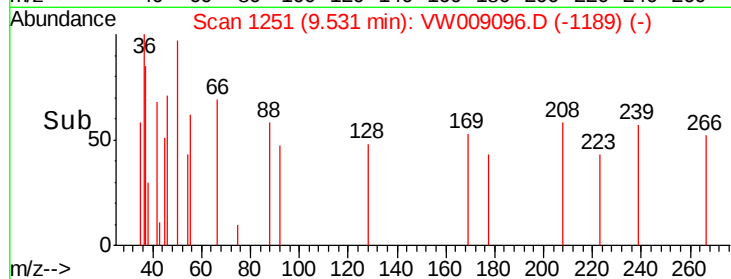
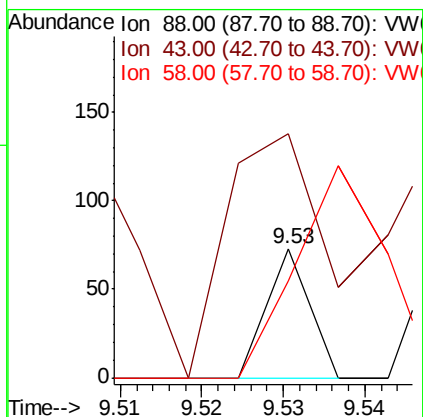
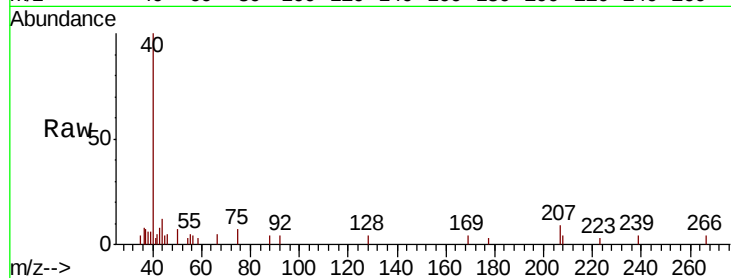




#49
1,4-Dioxane
Concen: 1.094 ug/l
RT: 9.53 min Scan# 1251
Delta R.T. 0.08 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

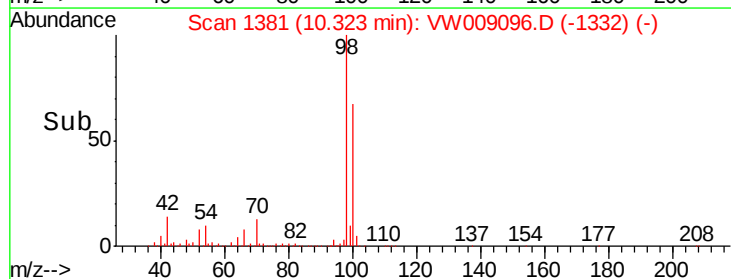
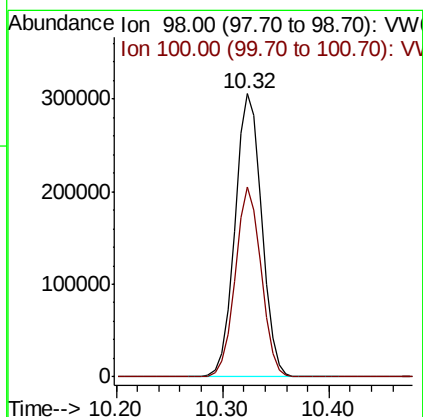
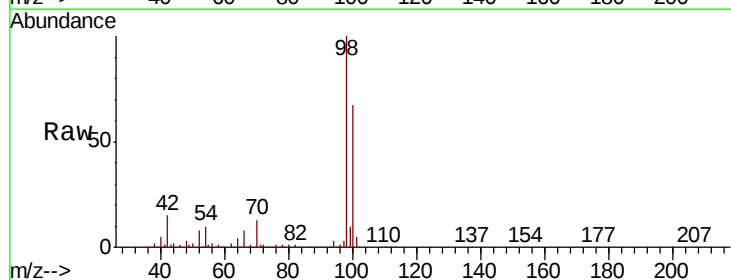
Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-B

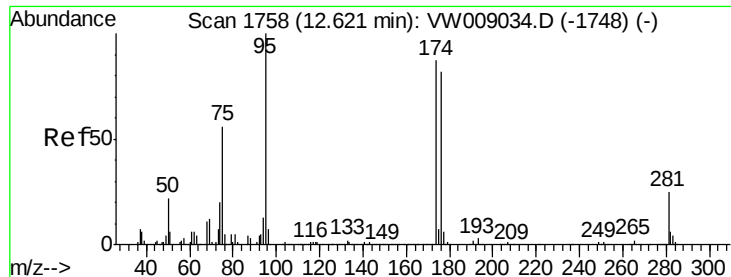
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 418.5 29.0 43.4#
58 333.3 59.2 88.8#



#50
Toluene-d8
Concen: 48.258 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

Tgt Ion: 98 Resp: 538473
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

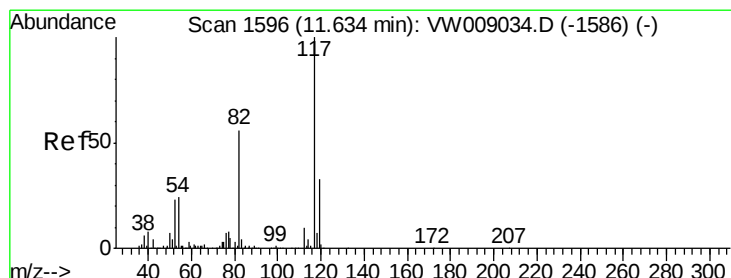
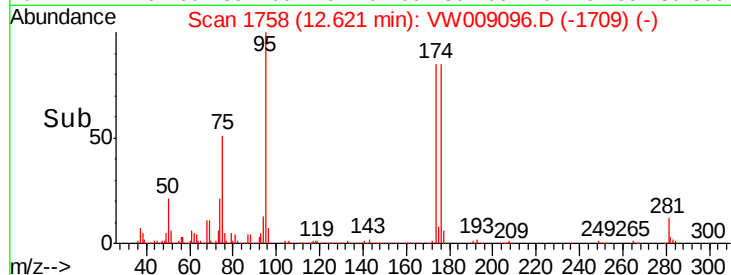
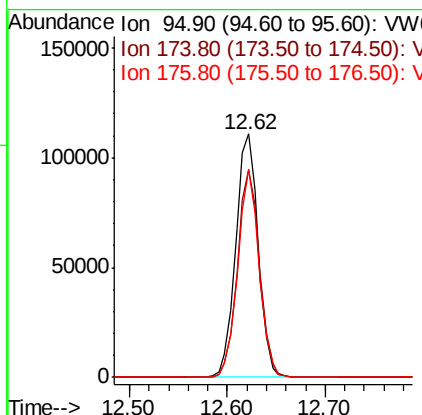
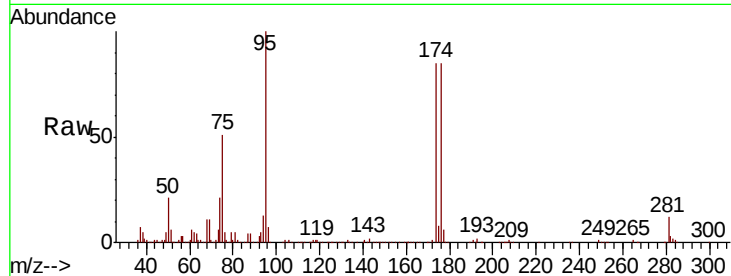




#62
4-Bromofluorobenzene
Concen: 40.087 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

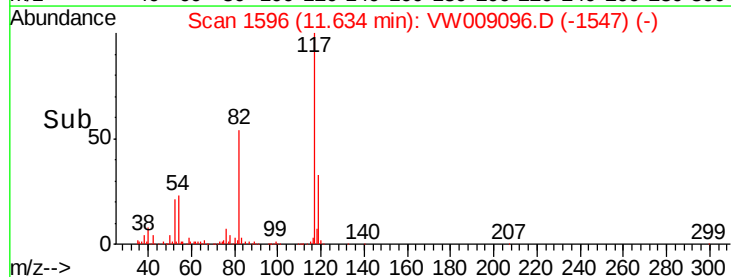
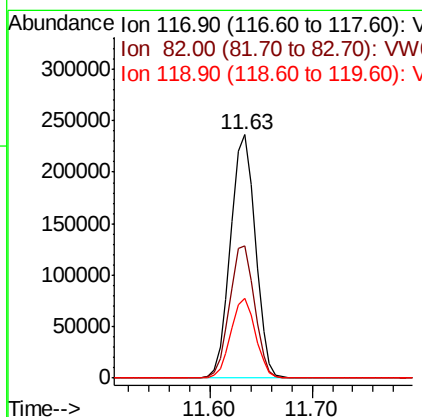
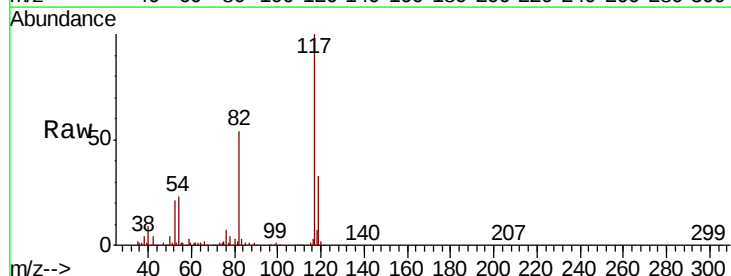
Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-B

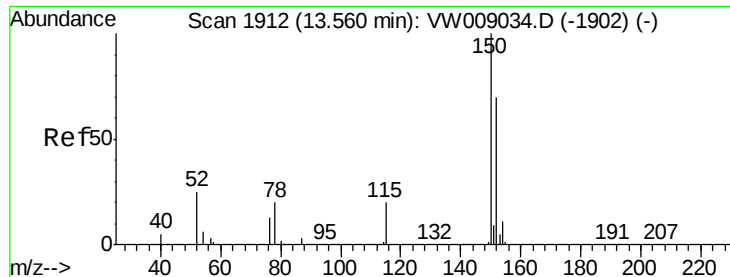
Tgt Ion: 95 Resp: 176085
Ion Ratio Lower Upper
95 100
174 84.2 0.0 167.0
176 81.3 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009096.D
Acq: 11 Mar 2019 19:32

Tgt Ion: 117 Resp: 397874
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.6
119 32.5 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009096.D

Acq: 11 Mar 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

CL-02-030819-B

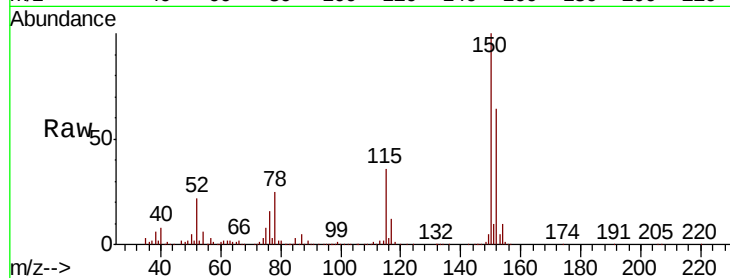
Tgt Ion:152 Resp: 160970

Ion Ratio Lower Upper

152 100

115 57.9 28.9 86.7

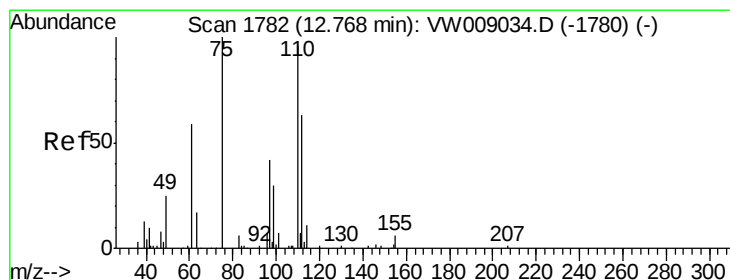
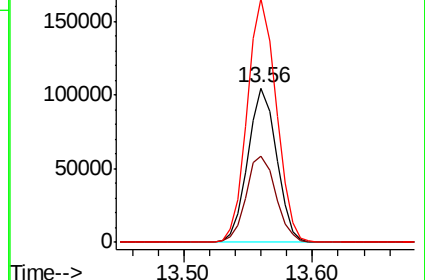
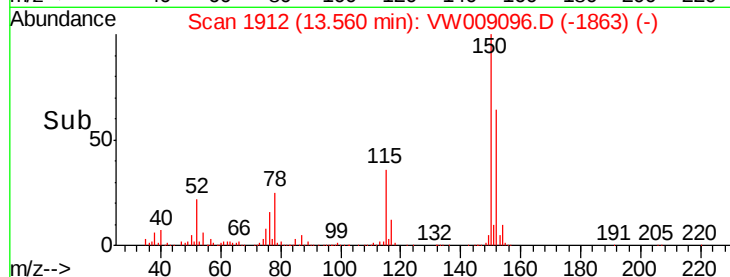
150 159.5 0.0 349.2



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: 73.380 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009096.D

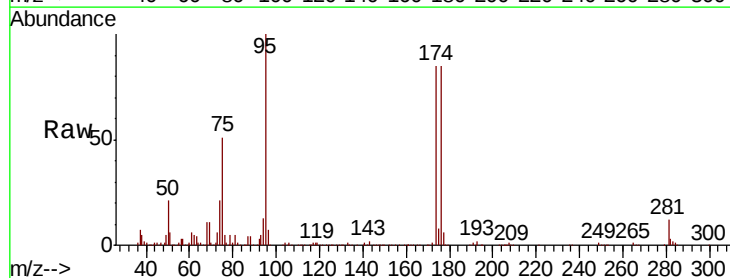
Acq: 11 Mar 2019 19:32

Tgt Ion: 75 Resp: 93325

Ion Ratio Lower Upper

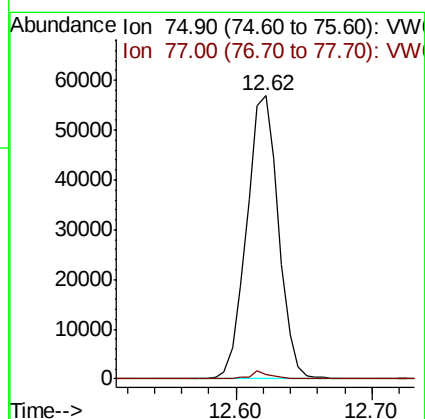
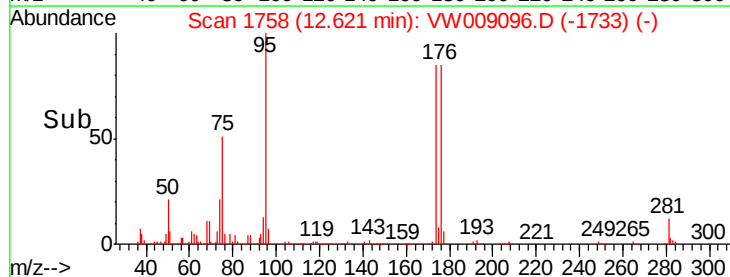
75 100

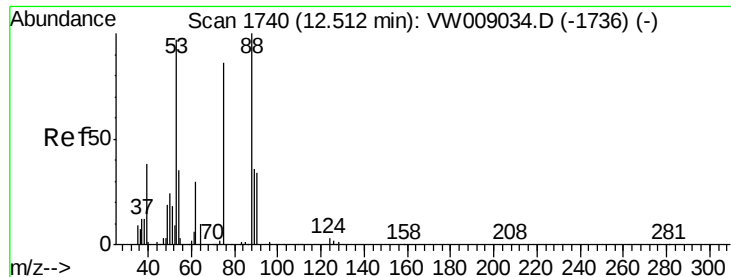
77 2.0 186.7 560.0#



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: 164.133 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009096.D

Acq: 11 Mar 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

CL-02-030819-B

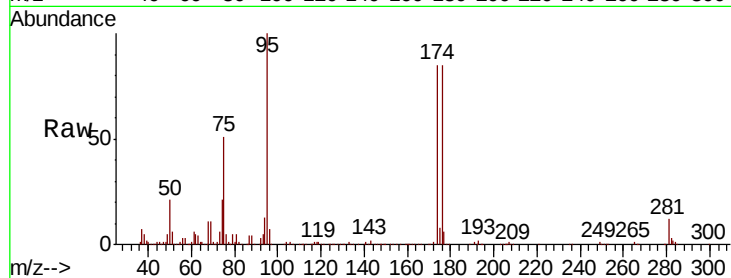
Tgt Ion: 75 Resp: 93325

Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.3 37.5 56.3#



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

