

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008376.D
 Acq On : 21 Jan 2019 15:40
 Operator : SY/VA
 Sample : K1009-01
 Misc : 7.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-011819-A

Quant Time: Jan 22 03:41:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	80803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	152417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	144323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63923	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	57563	68.48	ug/l	0.00
Spiked Amount			Recovery	=	136.96%	
35) Dibromofluoromethane	7.88	113	51530	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
50) Toluene-d8	10.32	98	201219	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.62	95	64408	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

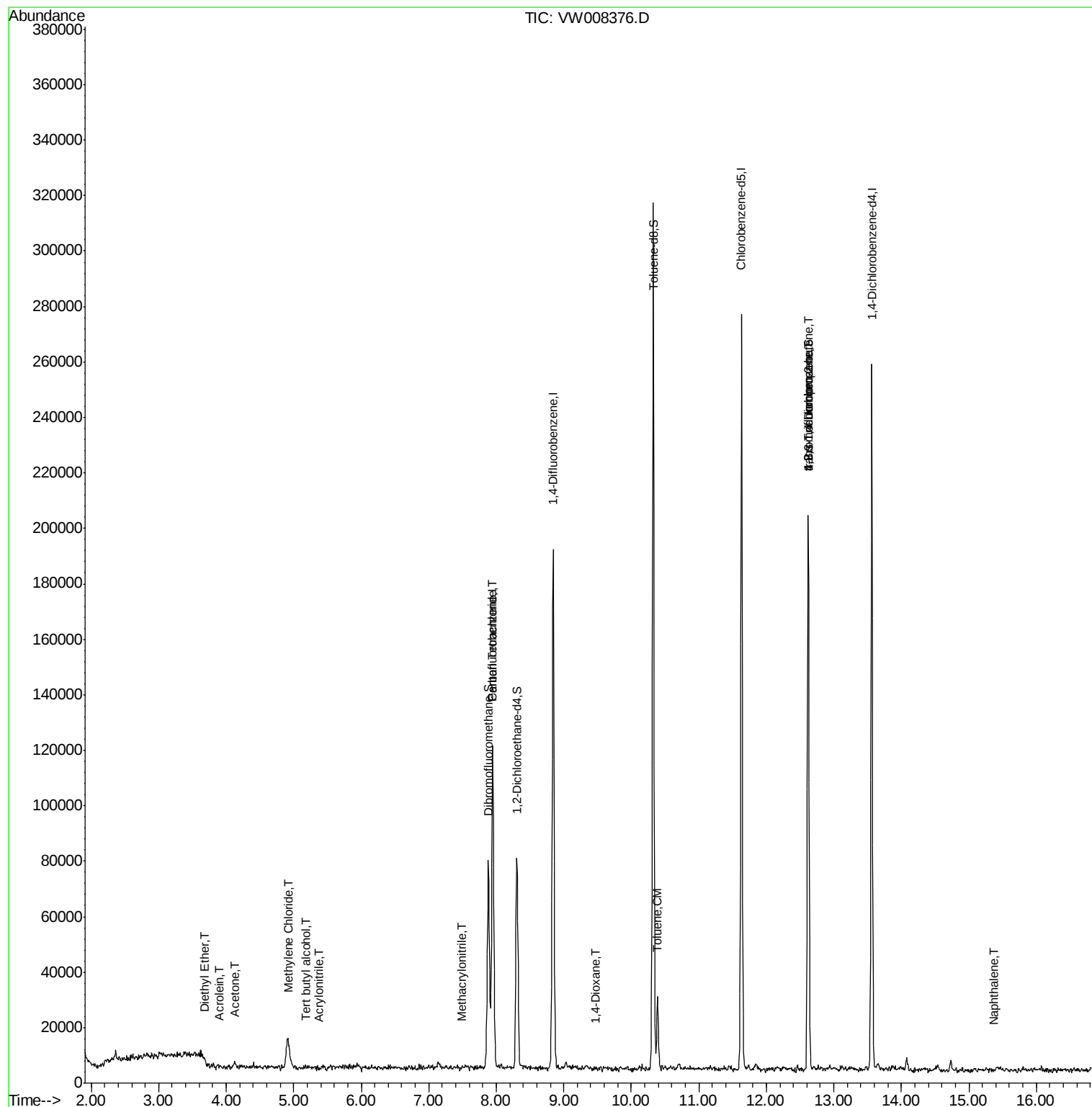
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1348	2.776	ug/l	97
11) Tert butyl alcohol	5.17	59	556	9.824	ug/l #	1
13) Acrolein	3.90	56	127	9.870	ug/l #	17
15) Acrylonitrile	5.37	53	263	1.410	ug/l #	28
16) Acetone	4.12	43	3429	17.566	ug/l	97
20) Methylene Chloride	4.92	84	9546	7.525	ug/l	93
38) Carbon Tetrachloride	7.95	117	8360	5.521	ug/l #	18
41) Methacrylonitrile	7.49	41	520	1.413	ug/l #	25
49) 1,4-Dioxane	9.46	88	109	12.040	ug/l #	18
52) Toluene	10.38	92	11248	4.092	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	31891	54.784	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	31891	130.739	ug/l #	12
95) Naphthalene	15.38	128	119	2.376	ug/l #	69

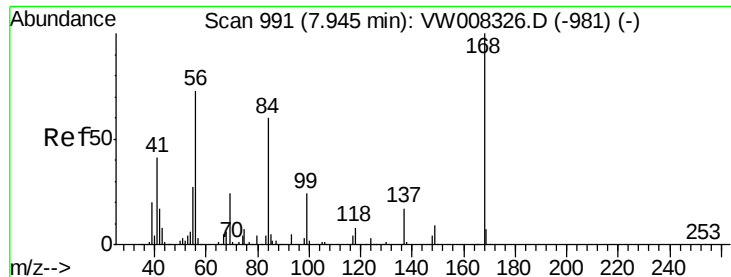
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008376.D

Acq: 21 Jan 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

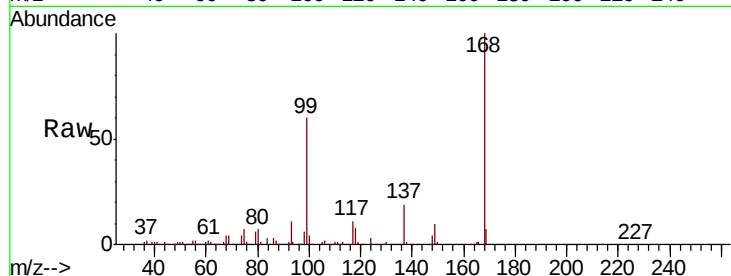
CL-01-011819-A

Tgt Ion:168 Resp: 80803

Ion Ratio Lower Upper

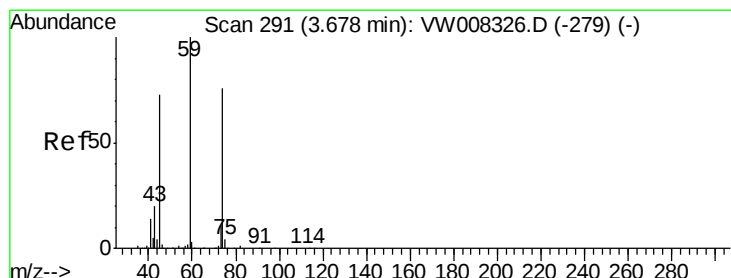
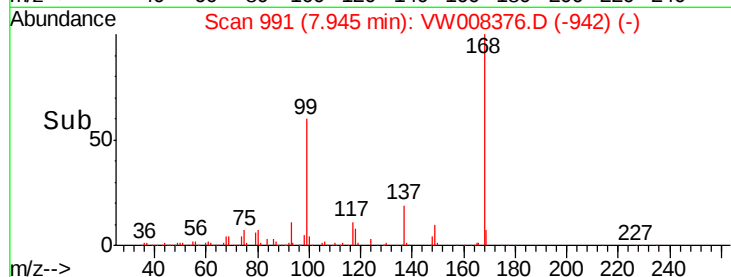
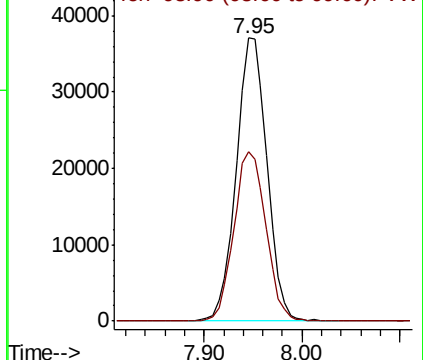
168 100

99 59.9 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.776 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW008376.D

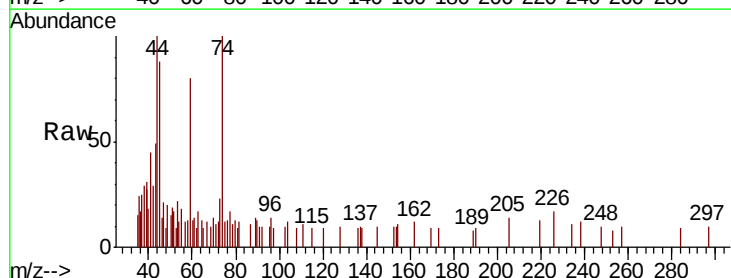
Acq: 21 Jan 2019 15:40

Tgt Ion: 74 Resp: 1348

Ion Ratio Lower Upper

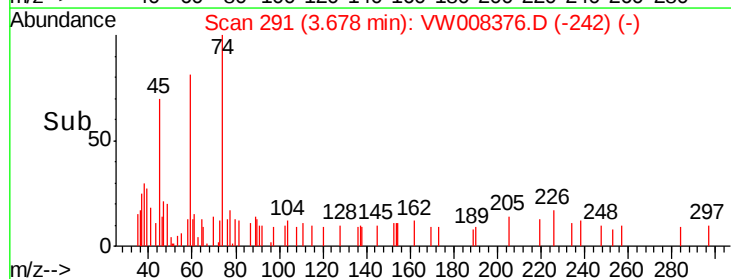
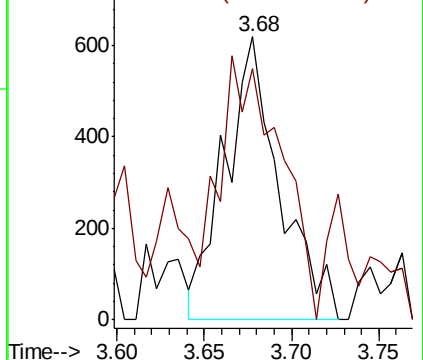
74 100

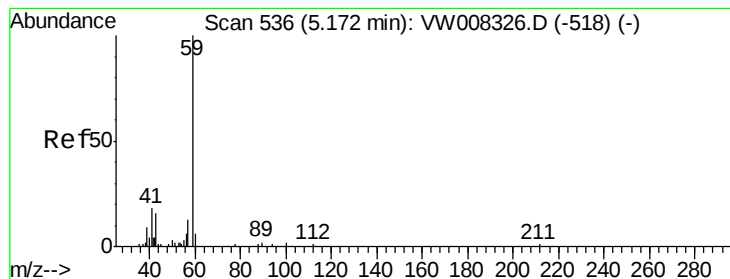
45 102.9 50.1 150.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 9.824 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW008376.D

Acq: 21 Jan 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

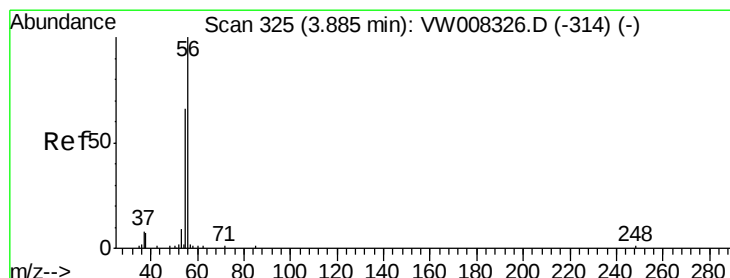
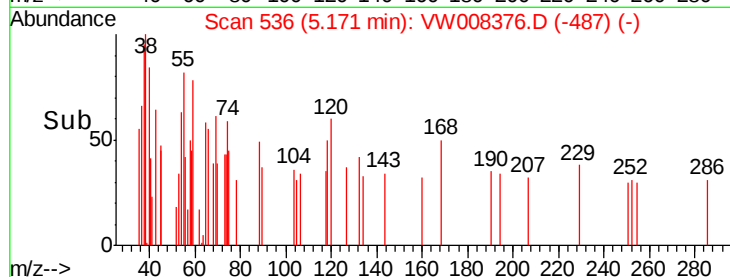
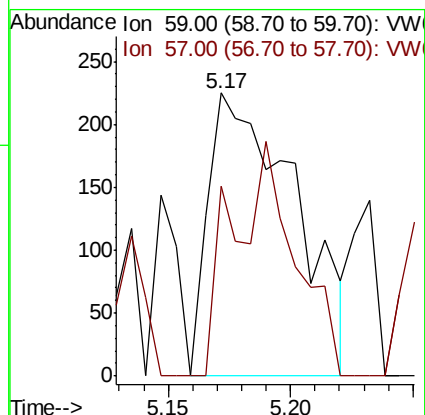
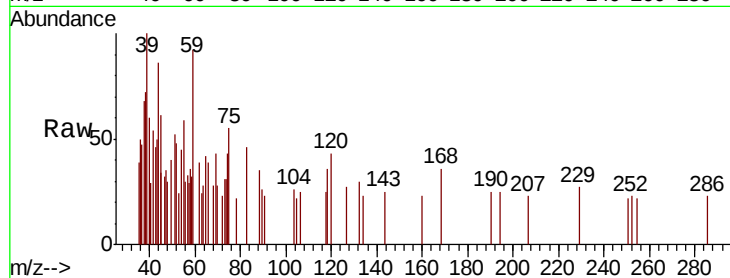
CL-01-011819-A

Tgt Ion: 59 Resp: 556

Ion Ratio Lower Upper

59 100

57 59.4 9.4 14.2#



#13

Acrolein

Concen: 9.870 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008376.D

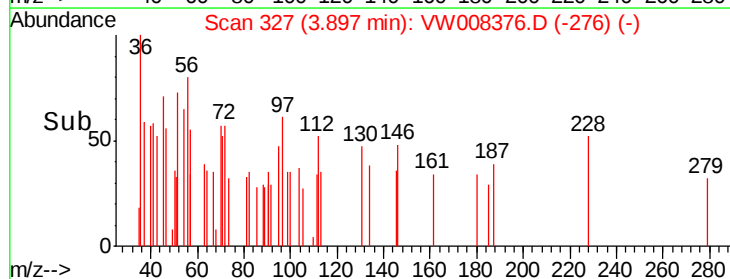
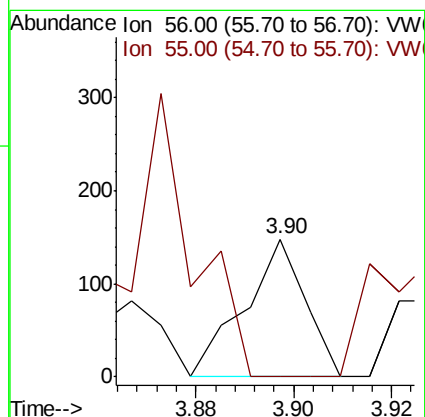
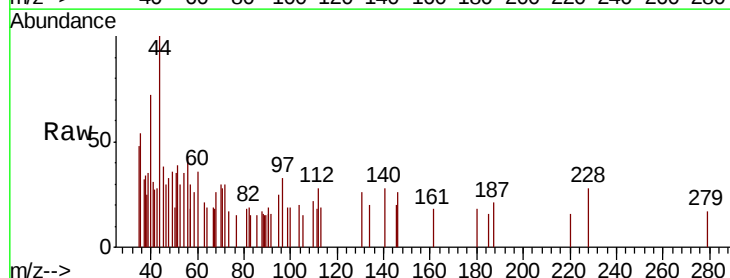
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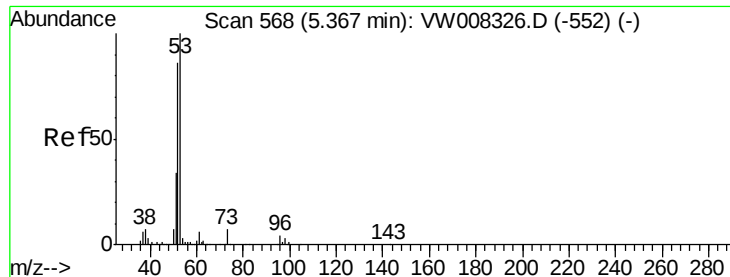
Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 0.0 52.9 79.3#





#15

Acrylonitrile

Concen: 1.410 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW008376.D

Acq: 21 Jan 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

CL-01-011819-A

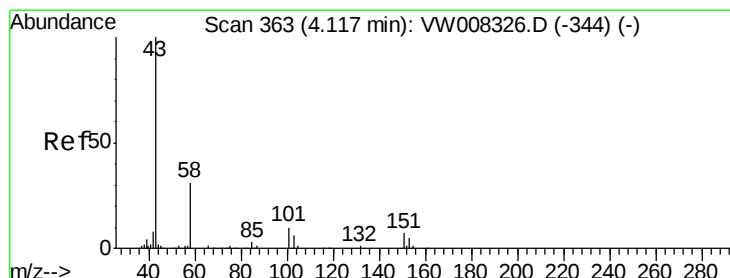
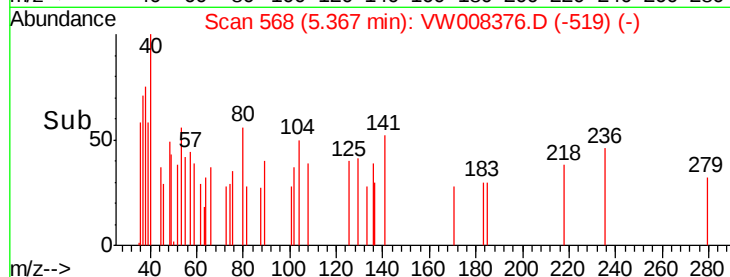
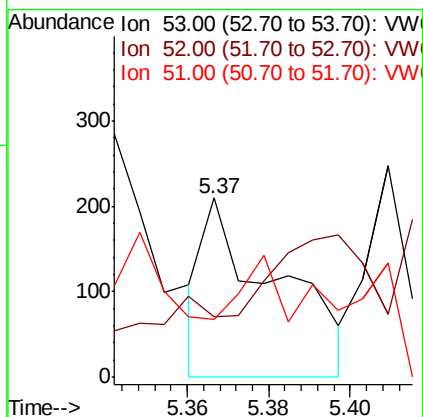
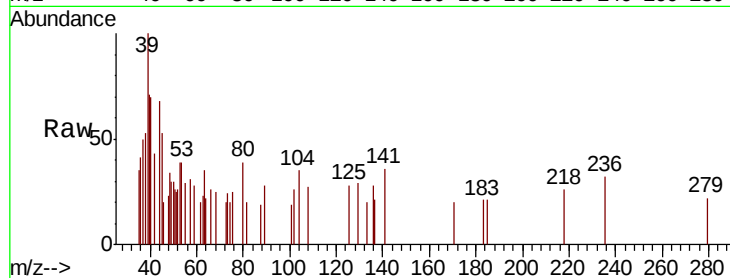
Tgt Ion: 53 Resp: 263

Ion Ratio Lower Upper

53 100

52 0.0 66.4 99.6#

51 21.7 29.6 44.4#



#16

Acetone

Concen: 17.566 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008376.D

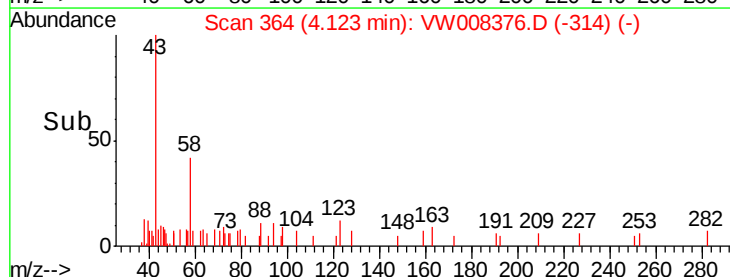
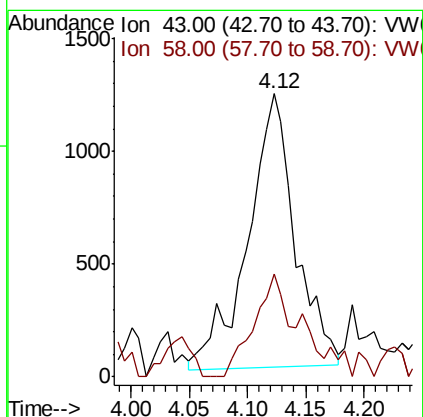
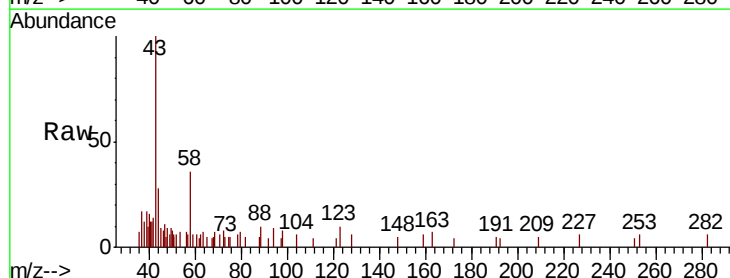
Acq: 21 Jan 2019 15:40

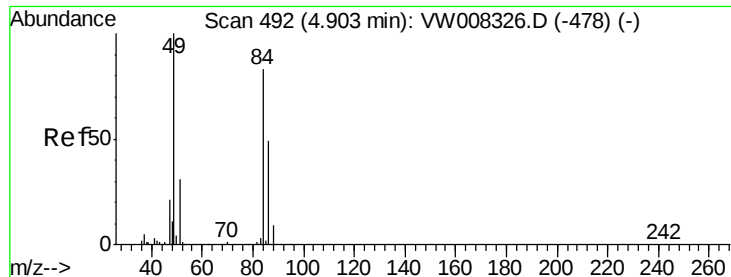
Tgt Ion: 43 Resp: 3429

Ion Ratio Lower Upper

43 100

58 32.4 24.7 37.1

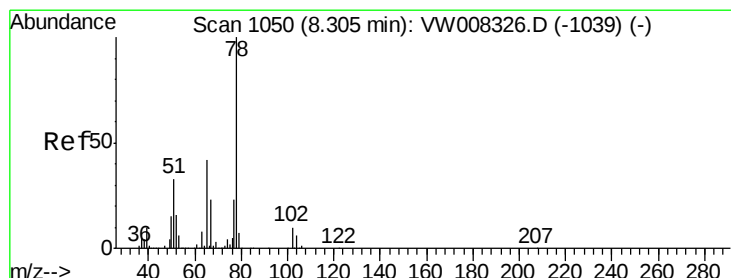
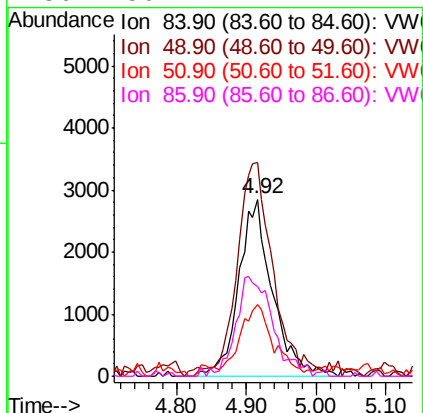
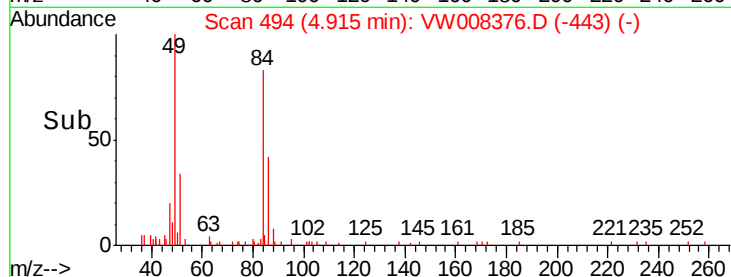
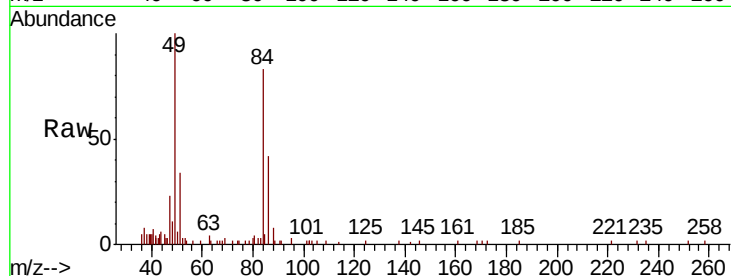




#20
Methylene Chloride
Concen: 7.525 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008376.D
Acq: 21 Jan 2019 15:40

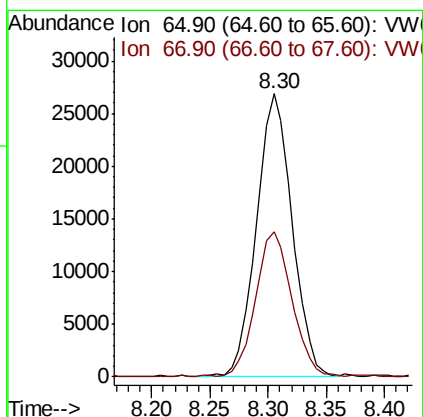
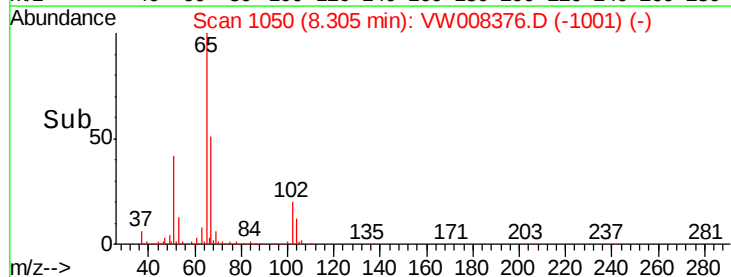
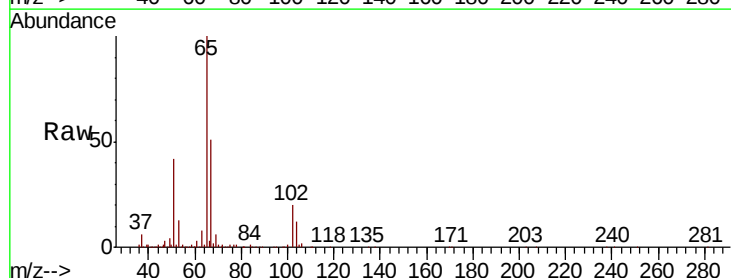
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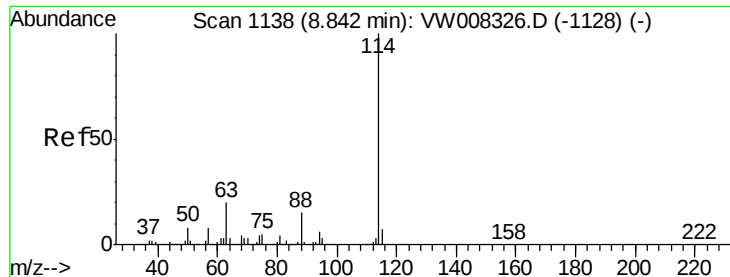
Tgt Ion: 84 Resp: 9546
Ion Ratio Lower Upper
84 100
49 114.8 95.9 143.9
51 40.6 29.3 43.9
86 50.7 47.4 71.2



#33
1,2-Dichloroethane-d4
Concen: 68.484 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008376.D
Acq: 21 Jan 2019 15:40

Tgt Ion: 65 Resp: 57563
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.2

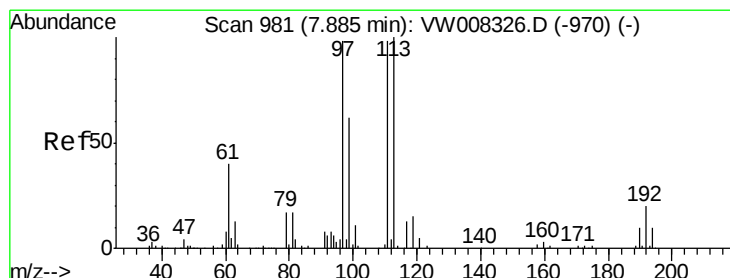
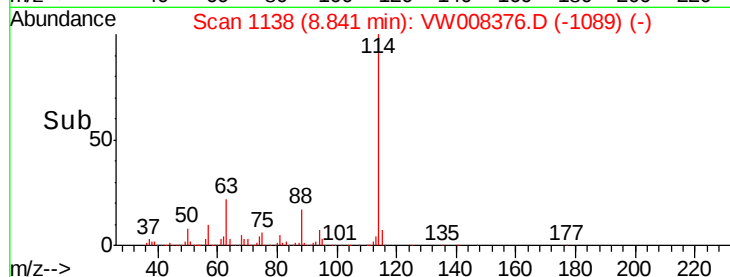
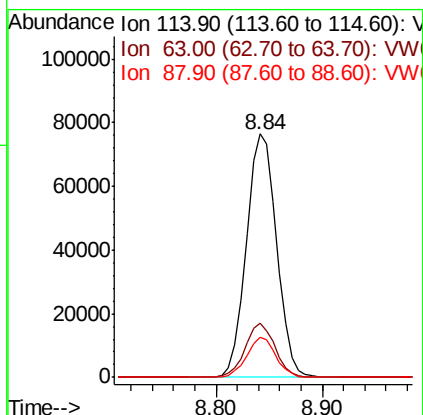
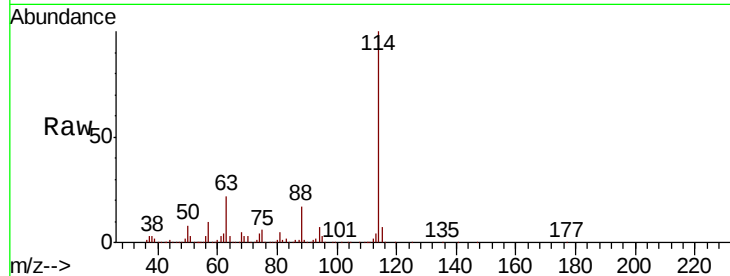




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008376.D
 Acq: 21 Jan 2019 15:40

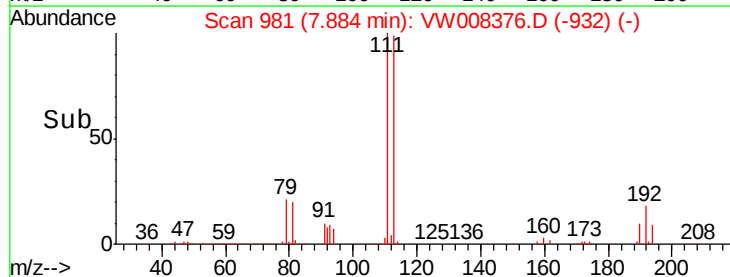
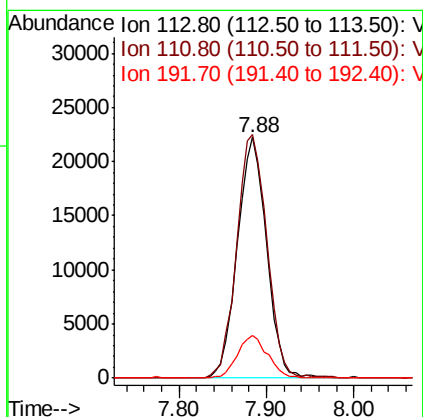
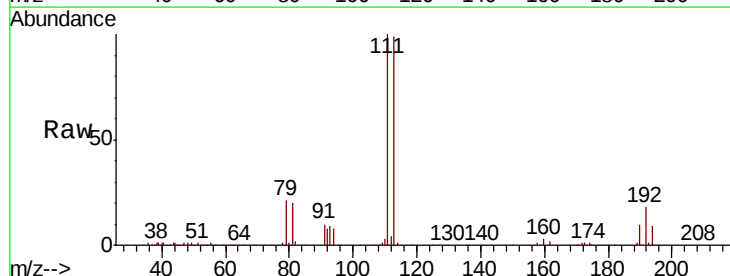
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 ClientSampleId :
 CL-01-011819-A

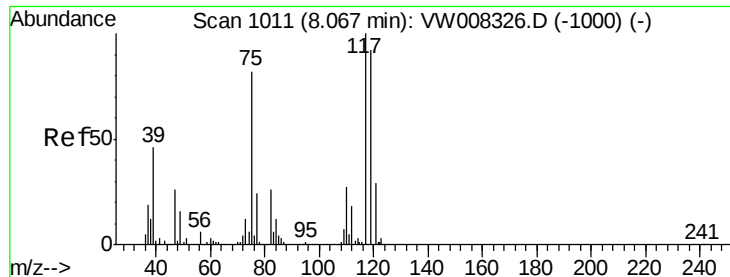
Tgt Ion:114 Resp: 152417
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 40.8
 88 16.7 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 52.964 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008376.D
 Acq: 21 Jan 2019 15:40

Tgt Ion:113 Resp: 51530
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.8 122.8
 192 18.2 16.3 24.5

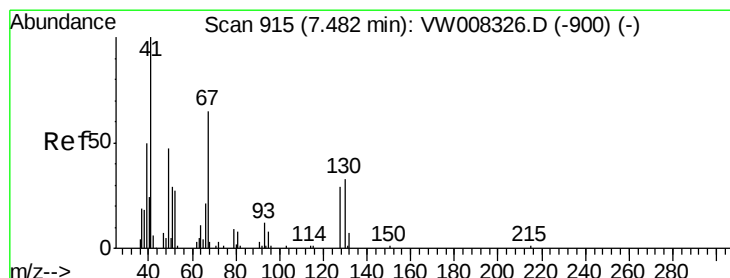
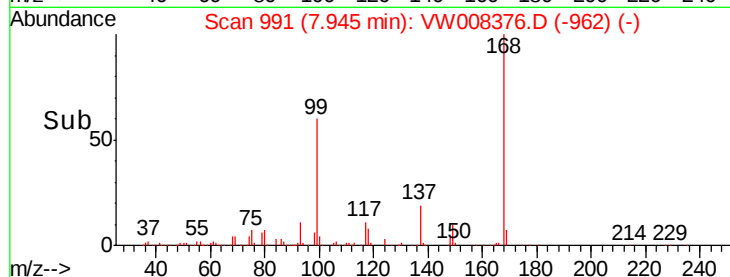
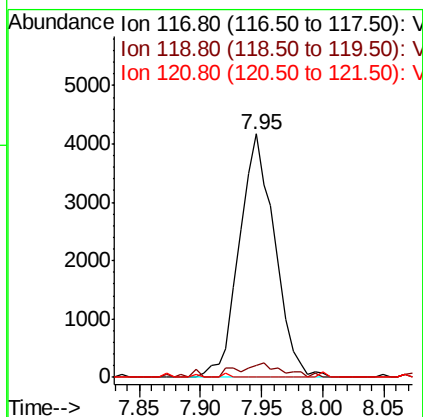
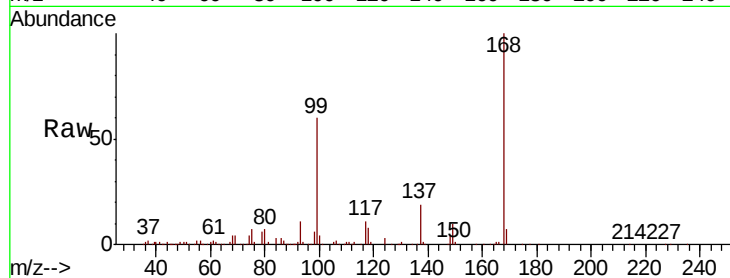




#38
Carbon Tetrachloride
Concen: 5.521 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008376.D
Acq: 21 Jan 2019 15:40

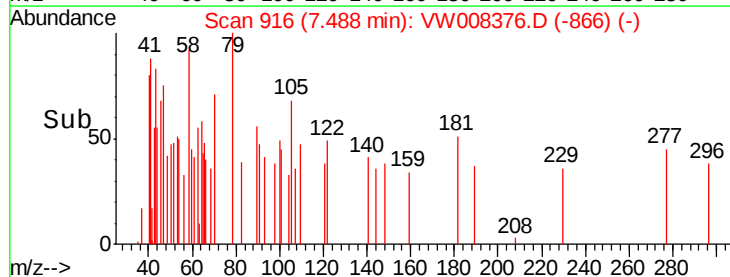
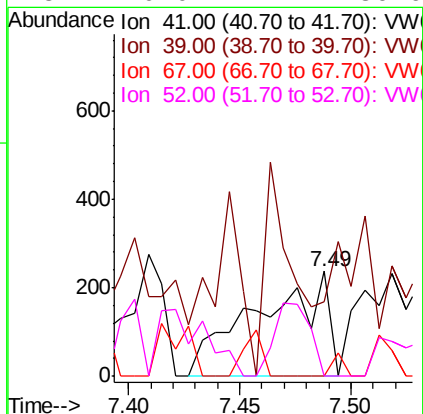
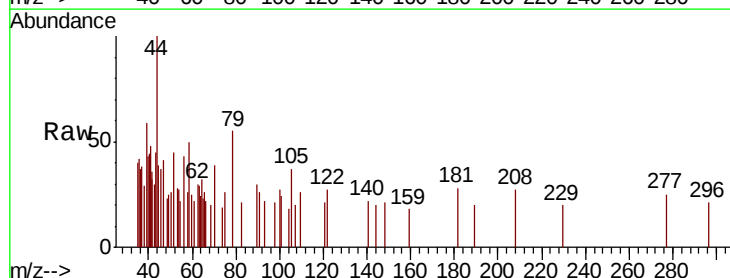
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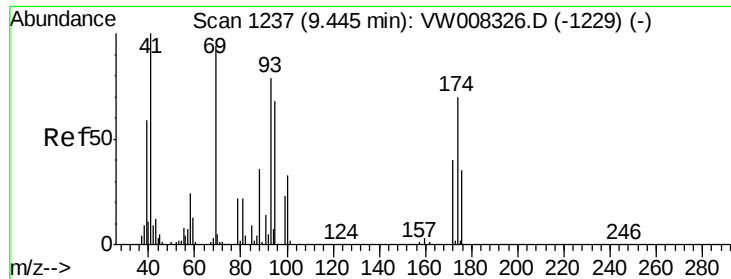
Tgt Ion: 117 Resp: 8360
Ion Ratio Lower Upper
117 100
119 5.1 73.8 110.6#
121 0.0 23.4 35.0#



#41
Methacrylonitrile
Concen: 1.413 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008376.D
Acq: 21 Jan 2019 15:40

Tgt Ion: 41 Resp: 520
Ion Ratio Lower Upper
41 100
39 0.0 44.9 67.3#
67 3.7 56.9 85.3#
52 0.0 24.4 36.6#

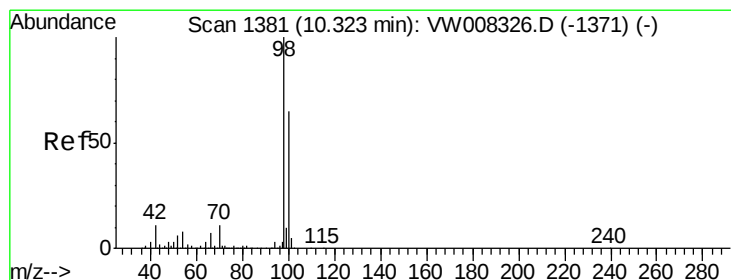
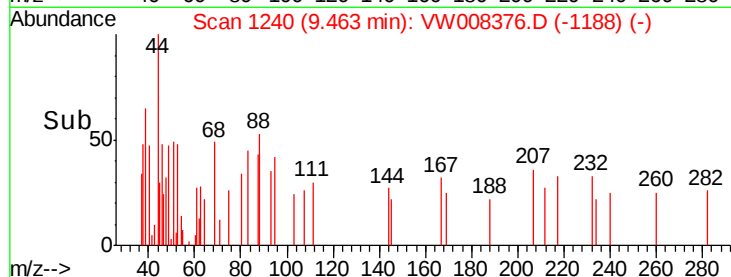
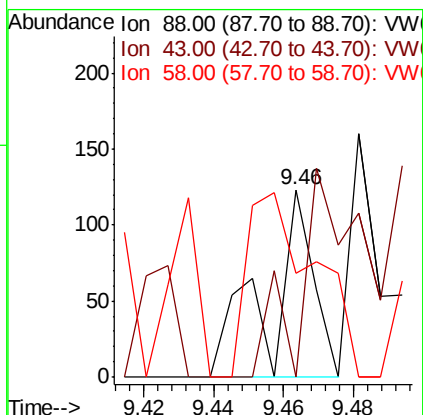
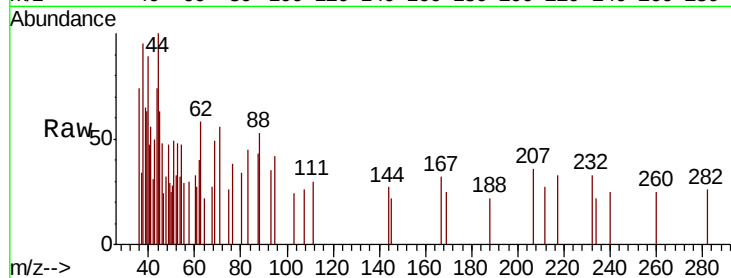




#49
1,4-Dioxane
Concen: 12.040 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008376.D
Acq: 21 Jan 2019 15:40

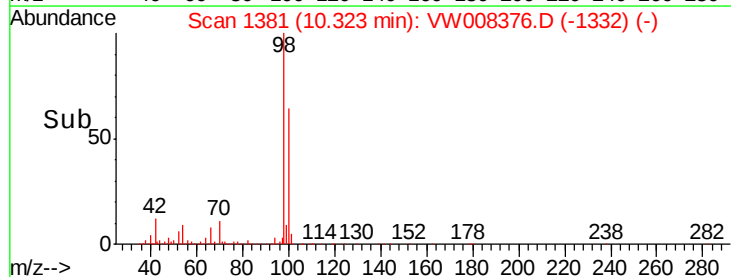
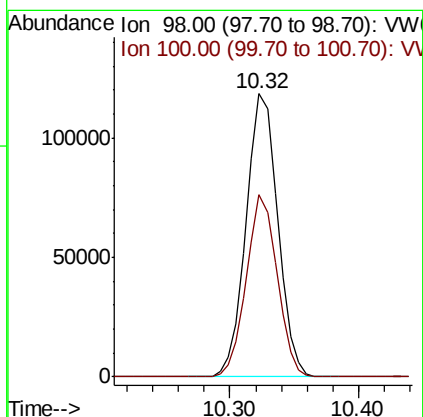
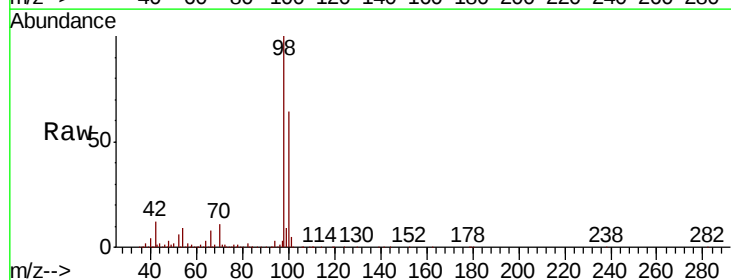
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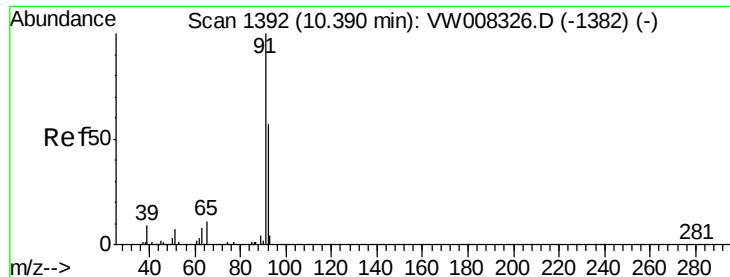
Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 149.5 57.9 86.9#



#50
Toluene-d8
Concen: 52.645 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008376.D
Acq: 21 Jan 2019 15:40

Tgt Ion: 98 Resp: 201219
Ion Ratio Lower Upper
98 100
100 62.5 51.8 77.8





#52

Toluene

Concen: 4.092 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008376.D

Acq: 21 Jan 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

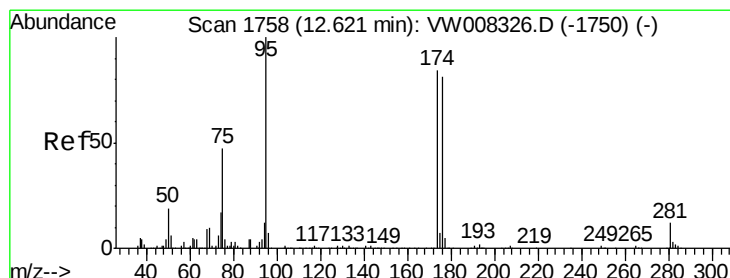
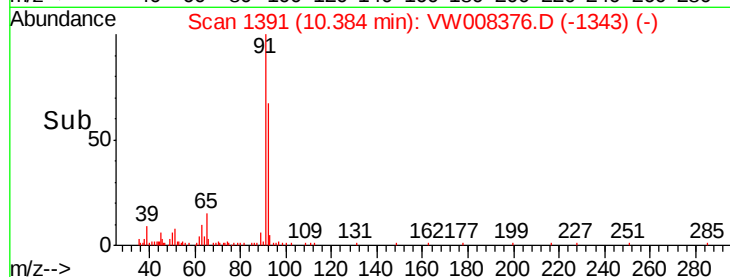
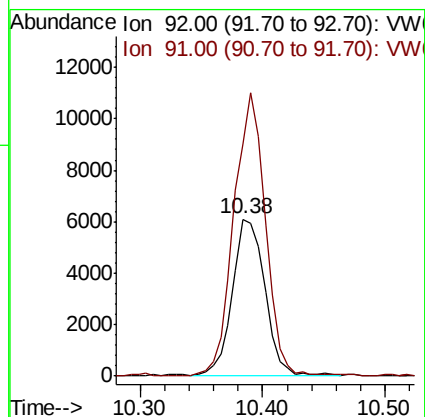
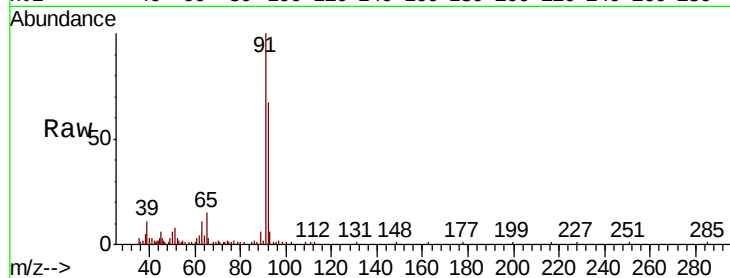
CL-01-011819-A

Tgt Ion: 92 Resp: 11248

Ion Ratio Lower Upper

92 100

91 174.9 140.2 210.2



#62

4-Bromofluorobenzene

Concen: 46.985 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008376.D

Acq: 21 Jan 2019 15:40

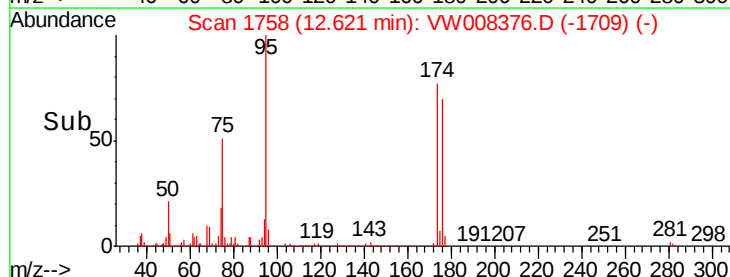
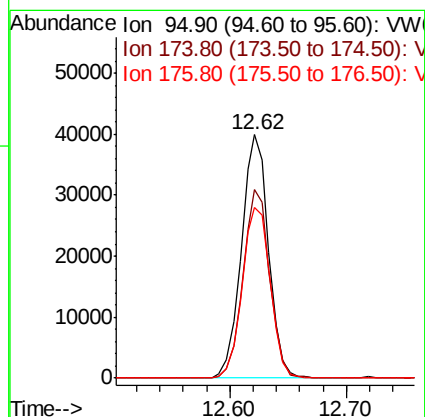
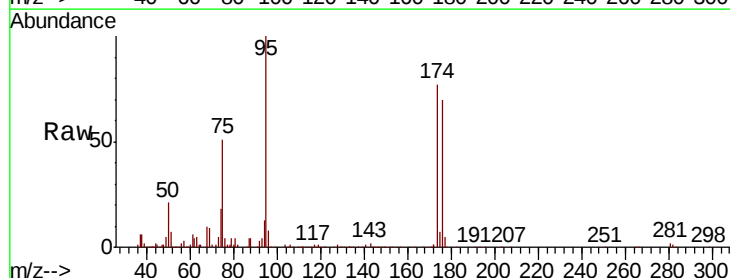
Tgt Ion: 95 Resp: 64408

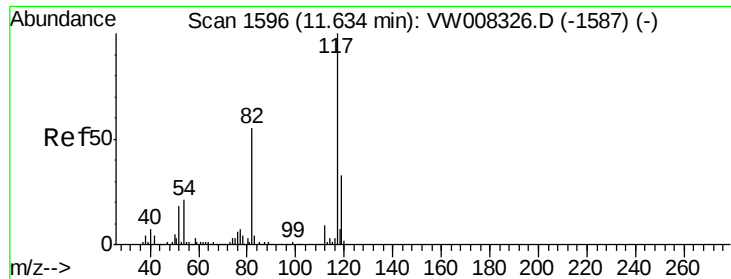
Ion Ratio Lower Upper

95 100

174 76.6 0.0 166.0

176 73.2 0.0 160.0

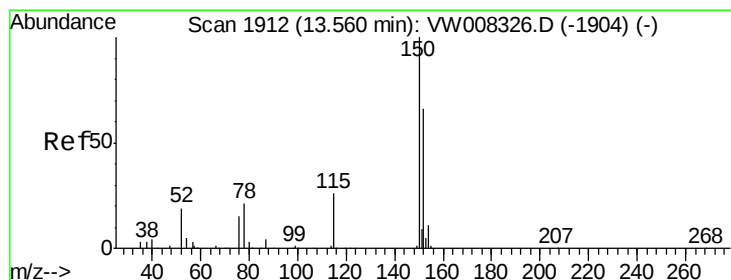
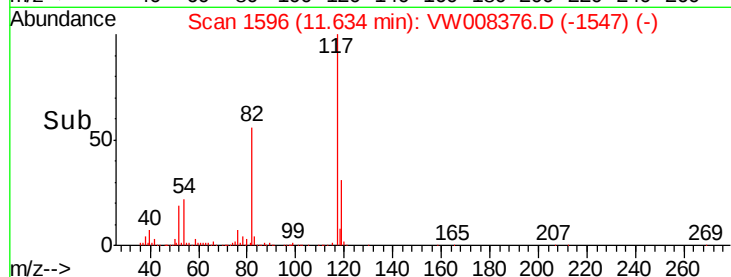
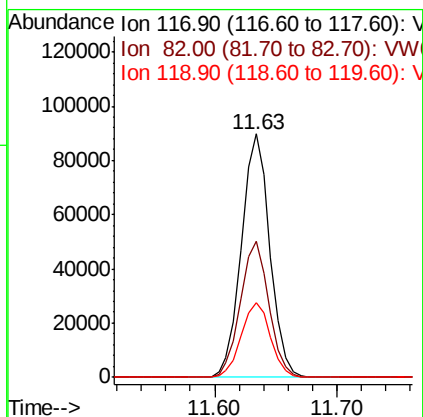
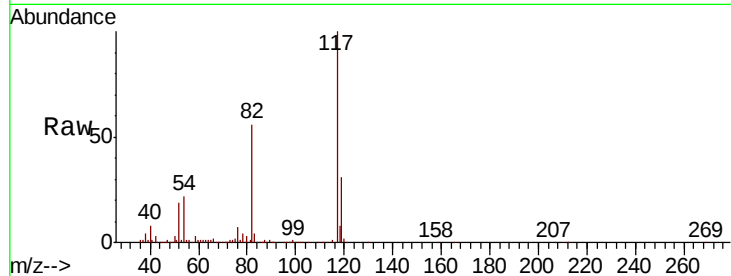




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008376.D
Acq: 21 Jan 2019 15:40

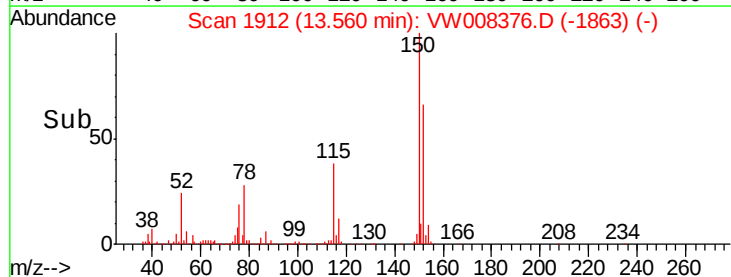
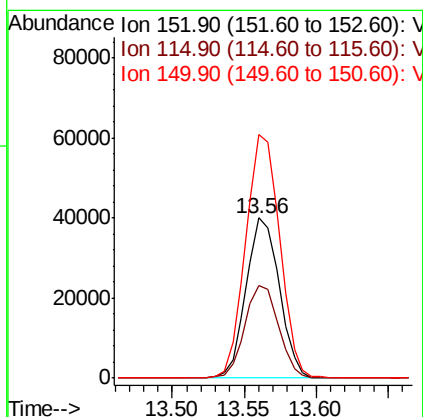
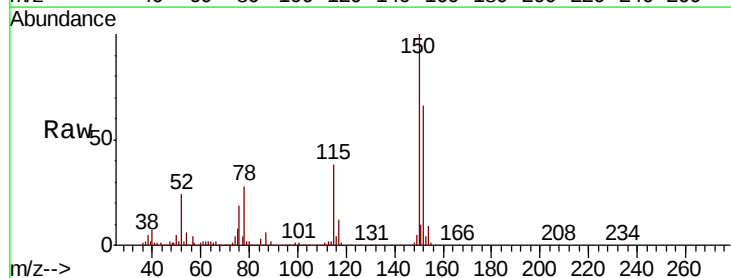
Instrument :
MSVOA_W
ClientSampleId :
CL-01-011819-A

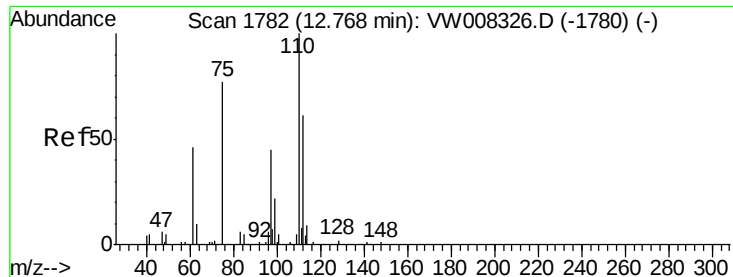
Tgt Ion:117 Resp: 144323
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 30.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008376.D
Acq: 21 Jan 2019 15:40

Tgt Ion:152 Resp: 63923
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.4
150 155.9 0.0 351.4

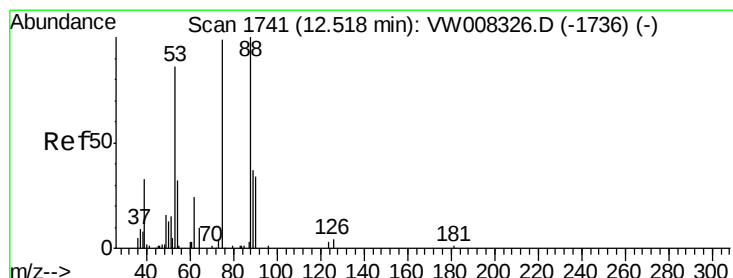
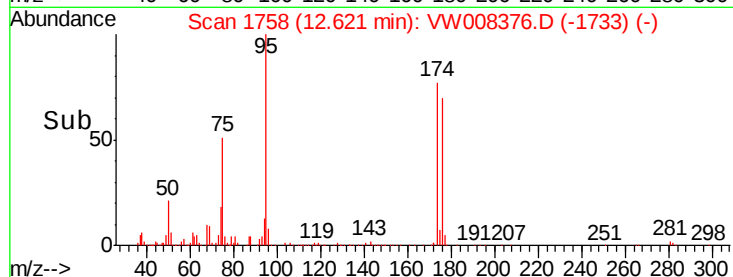
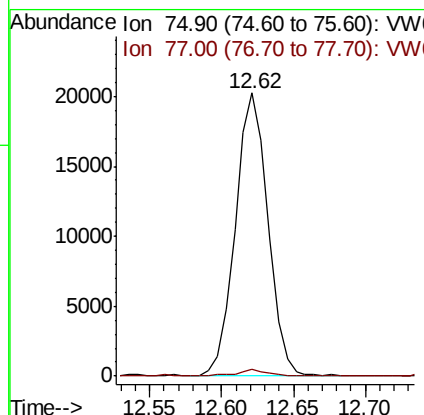
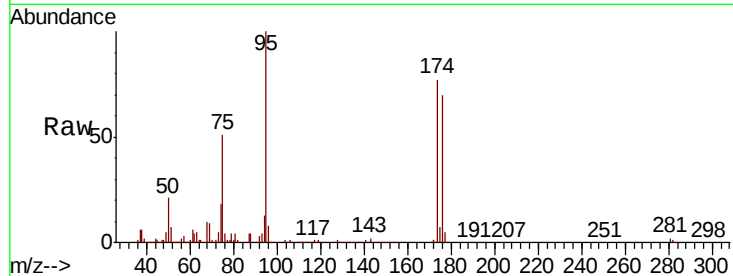




#76
 1,2,3-Trichloropropane
 Concen: 54.784 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008376.D
 Acq: 21 Jan 2019 15:40

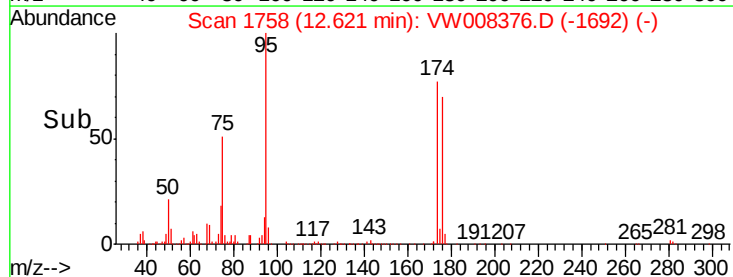
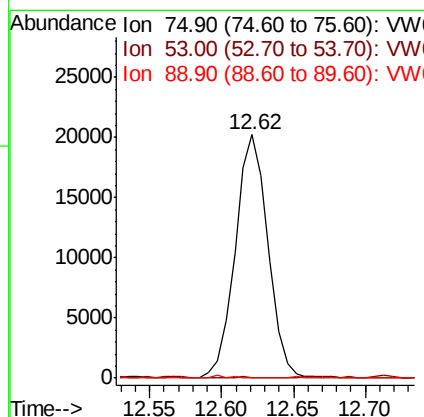
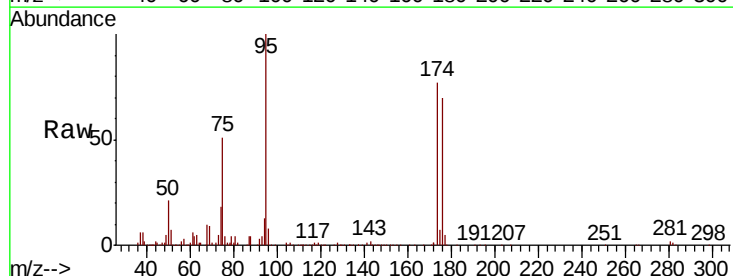
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-011819-A

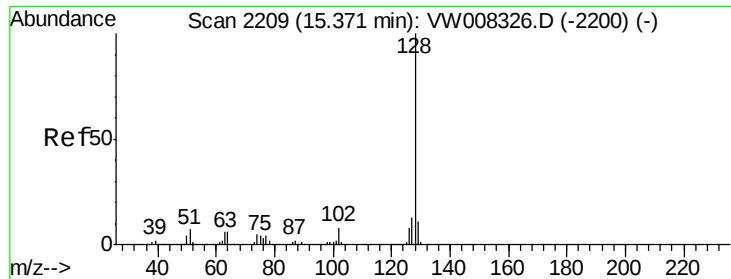
Tgt Ion: 75 Resp: 31891
 Ion Ratio Lower Upper
 75 100
 77 2.3 175.3 526.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.739 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008376.D
 Acq: 21 Jan 2019 15:40

Tgt Ion: 75 Resp: 31891
 Ion Ratio Lower Upper
 75 100
 53 0.4 76.2 114.4#
 89 0.1 36.7 55.1#

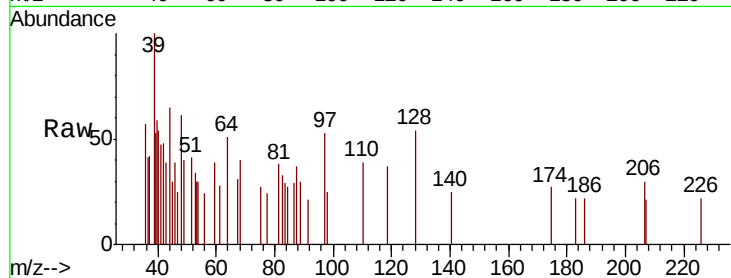




#95
 Naphthalene
 Concen: 2.376 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW008376.D
 Acq: 21 Jan 2019 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-011819-A

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.8	13.2#



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

