

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008372.D
 Acq On : 21 Jan 2019 13:53
 Operator : SY/VA
 Sample : K1205-03
 Misc : 6.27G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-3

Quant Time: Jan 22 03:40:58 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	102591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	186826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	170535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	80537	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	65015	60.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.84%	
35) Dibromofluoromethane	7.88	113	61561	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.32	98	232252	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.62	95	78772	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	

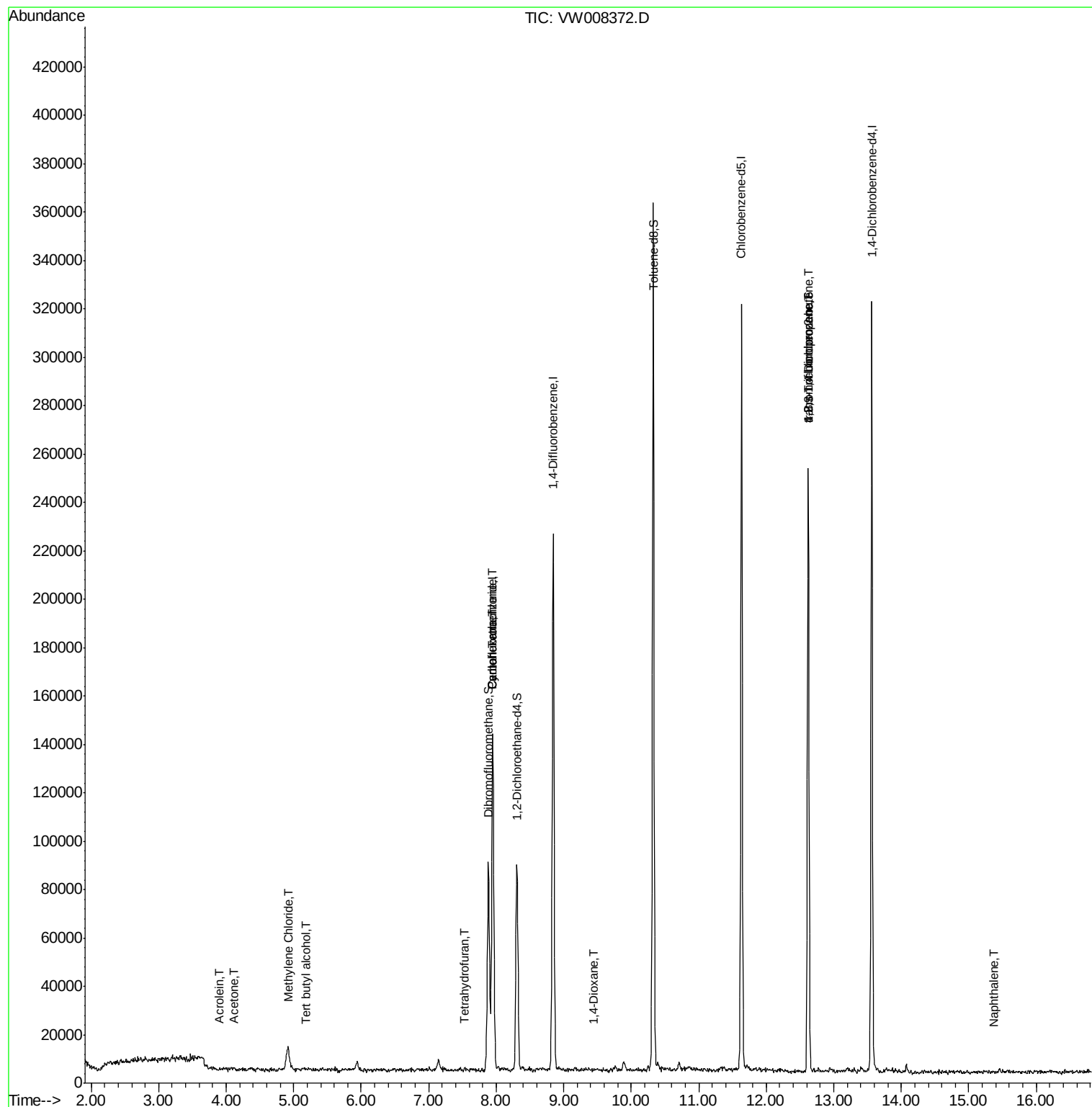
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	228	3.173	ug/l #	1
13) Acrolein	3.90	56	155	9.788	ug/l #	1
16) Acetone	4.12	43	1917	7.735	ug/l #	75
20) Methylene Chloride	4.92	84	7629	3.321	ug/l	92
29) Tetrahydrofuran	7.52	42	229	1.157	ug/l #	23
31) Cyclohexane	7.95	56	2896	1.453	ug/l #	6
38) Carbon Tetrachloride	7.95	117	11036	5.946	ug/l #	20
49) 1,4-Dioxane	9.44	88	206	18.564	ug/l #	34
76) 1,2,3-Trichloropropane	12.62	75	39321	53.614	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	39321	127.945	ug/l #	12
95) Naphthalene	15.37	128	503	2.485	ug/l #	93

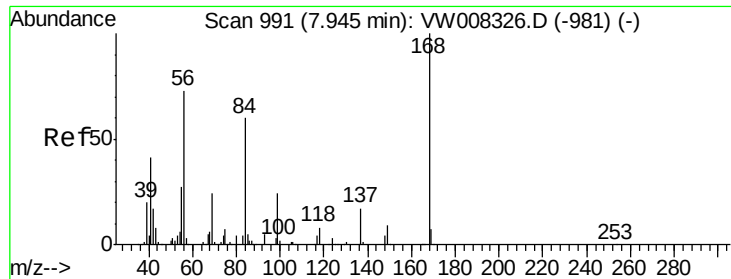
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008372.D

Acq: 21 Jan 2019 13:53

Instrument :

MSVOA_W

ClientSampled :

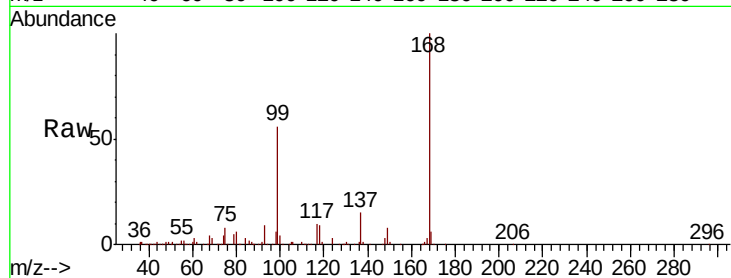
C-3

Tgt Ion:168 Resp: 102591

Ion Ratio Lower Upper

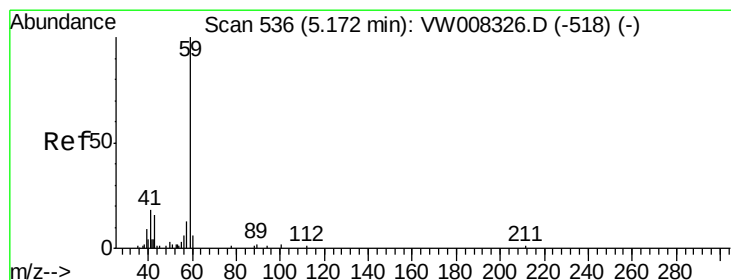
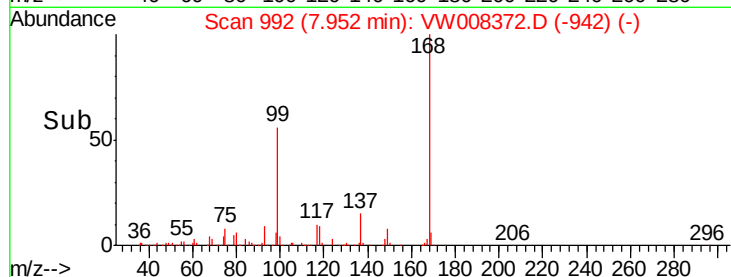
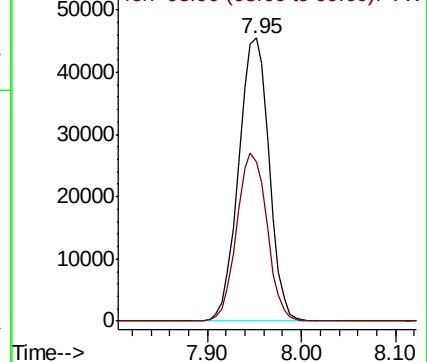
168 100

99 56.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.173 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW008372.D

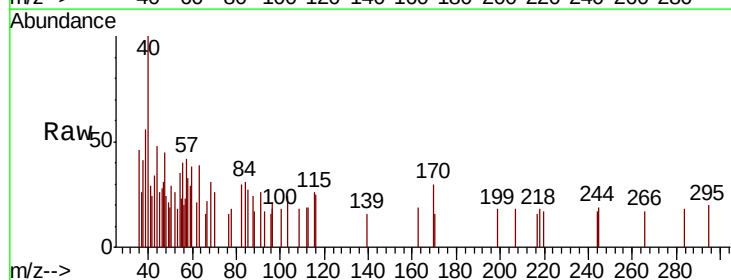
Acq: 21 Jan 2019 13:53

Tgt Ion: 59 Resp: 228

Ion Ratio Lower Upper

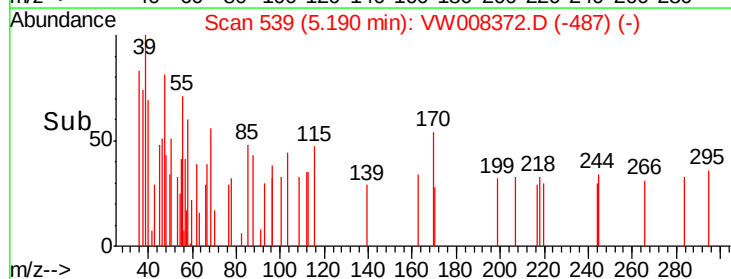
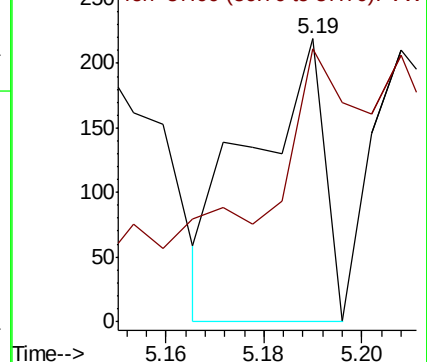
59 100

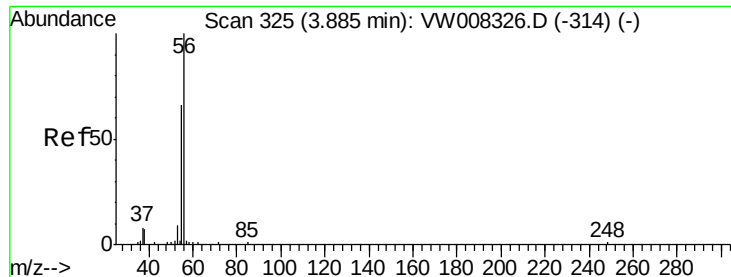
57 198.2 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 9.788 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008372.D

Acq: 21 Jan 2019 13:53

Instrument :

MSVOA_W

ClientSampled :

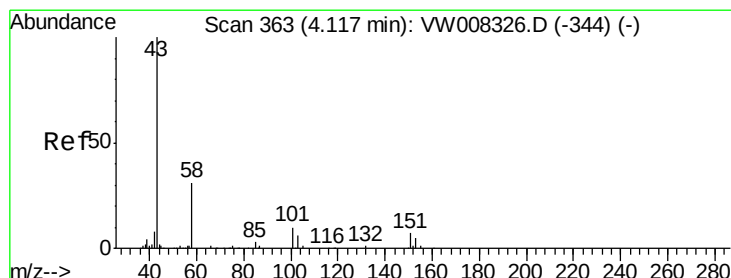
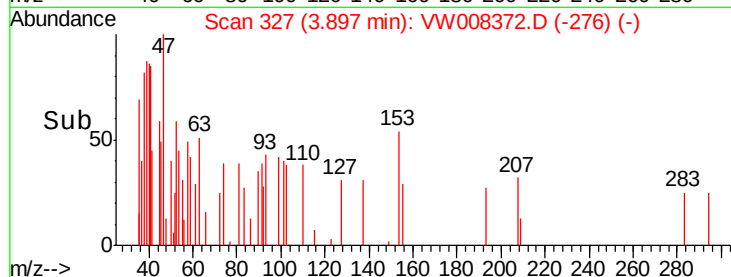
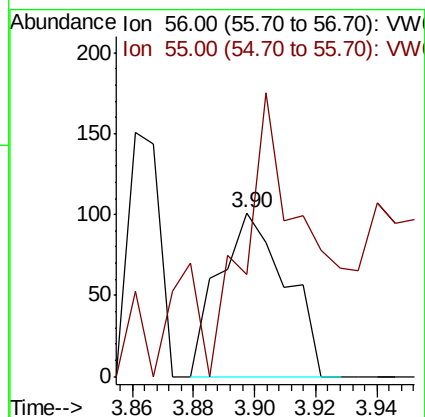
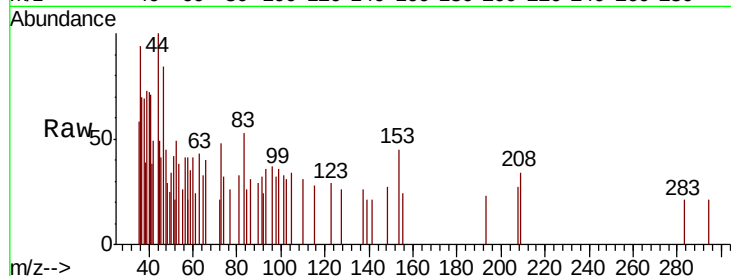
C-3

Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 169.7 52.9 79.3#



#16

Acetone

Concen: 7.735 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008372.D

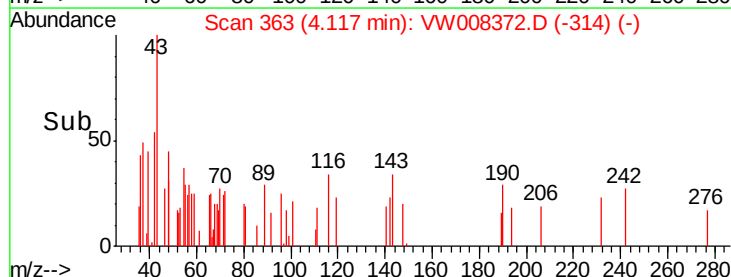
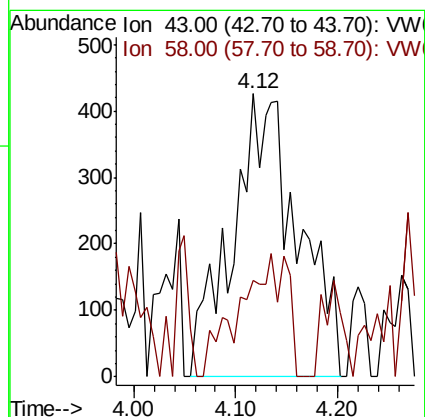
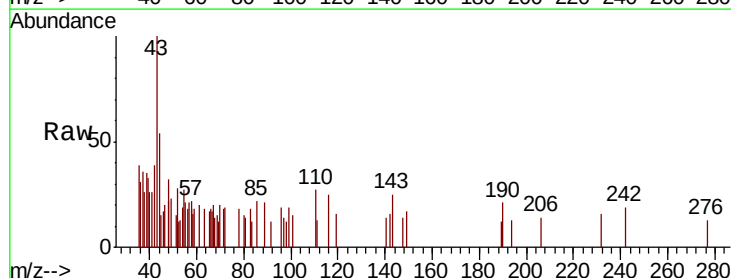
Acq: 21 Jan 2019 13:53

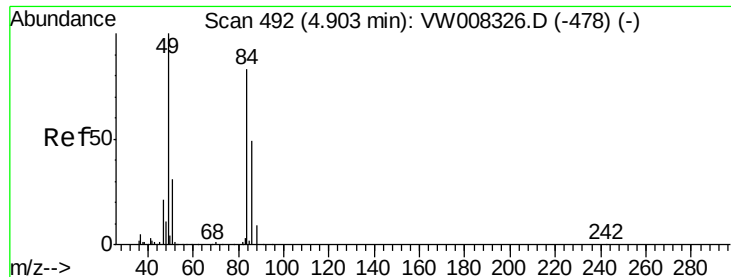
Tgt Ion: 43 Resp: 1917

Ion Ratio Lower Upper

43 100

58 17.1 24.7 37.1#

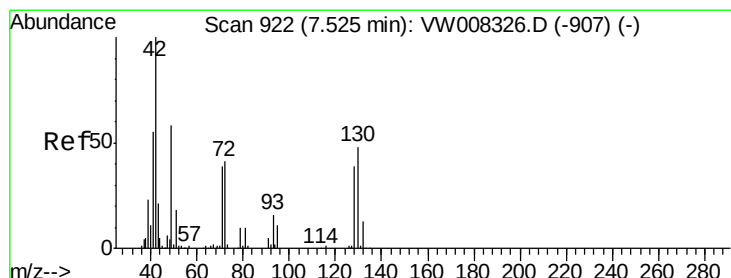
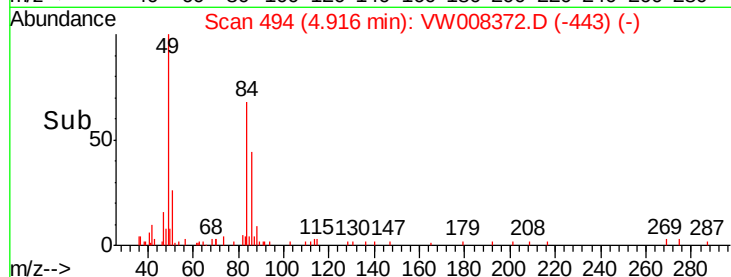
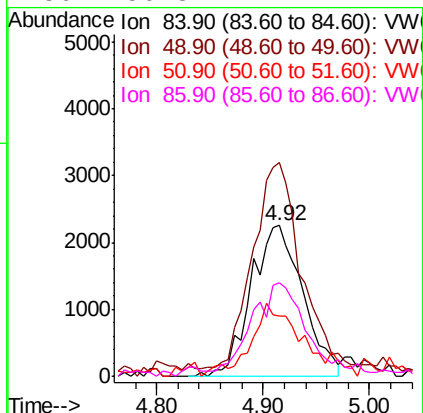
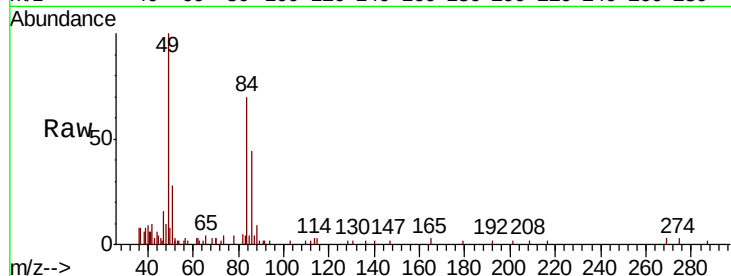




#20
Methylene Chloride
Concen: 3.321 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008372.D
Acq: 21 Jan 2019 13:53

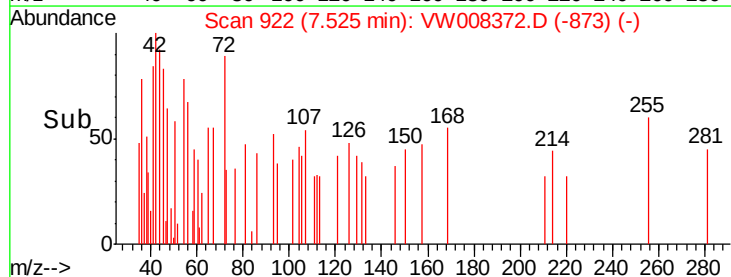
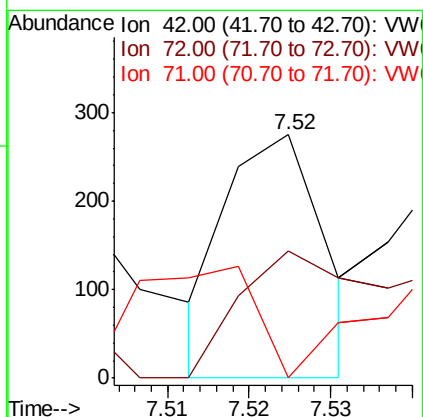
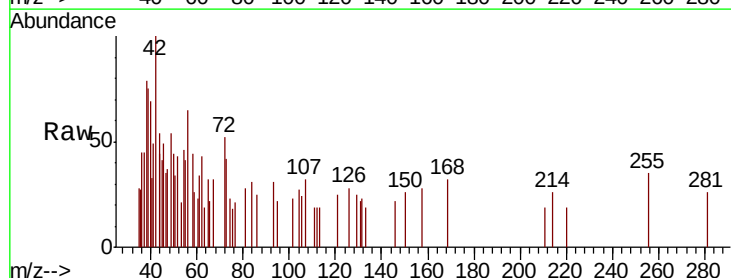
Instrument :
MSVOA_W
ClientSampled :
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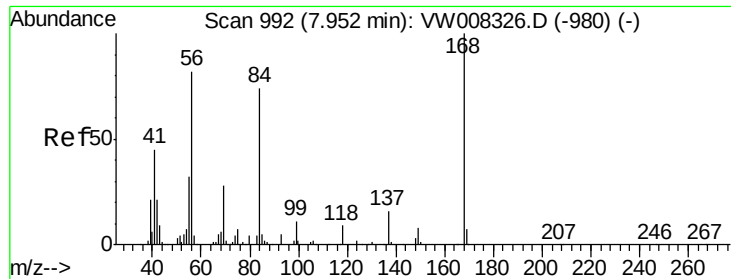
Tgt Ion:	84	Resp:	7629
Ion	Ratio	Lower	Upper
84	100		
49	133.0	95.9	143.9
51	34.5	29.3	43.9
86	56.8	47.4	71.2



#29
Tetrahydrofuran
Concen: 1.157 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW008372.D
Acq: 21 Jan 2019 13:53

Tgt Ion:	42	Resp:	229
Ion	Ratio	Lower	Upper
42	100		
72	103.1	34.0	51.0#
71	75.5	32.0	48.0#

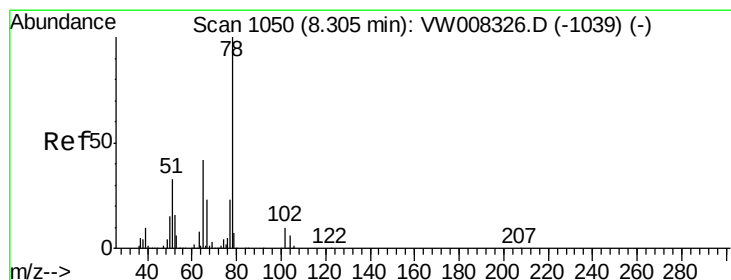
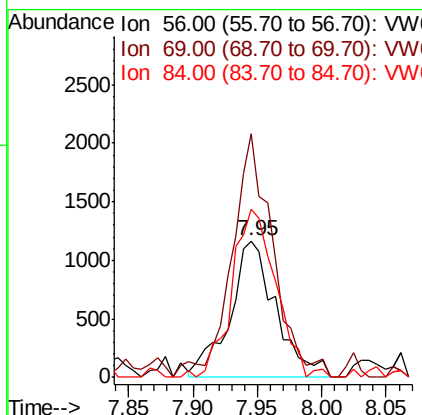
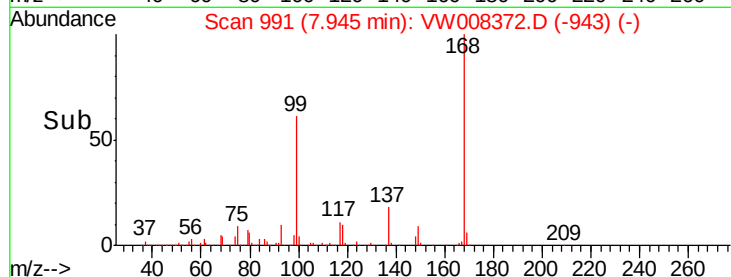
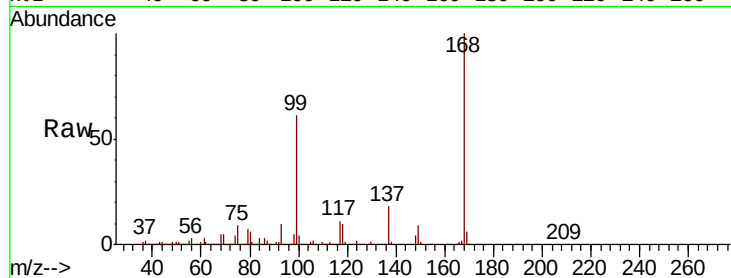




#31
Cyclohexane
Concen: 1.453 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008372.D
Acq: 21 Jan 2019 13:53

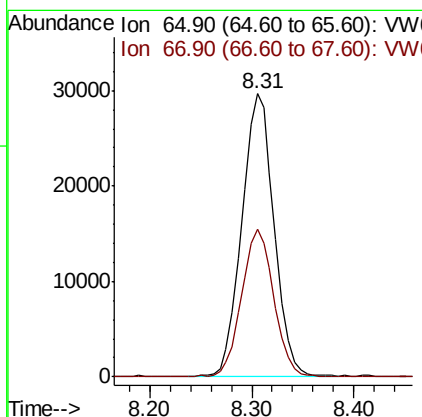
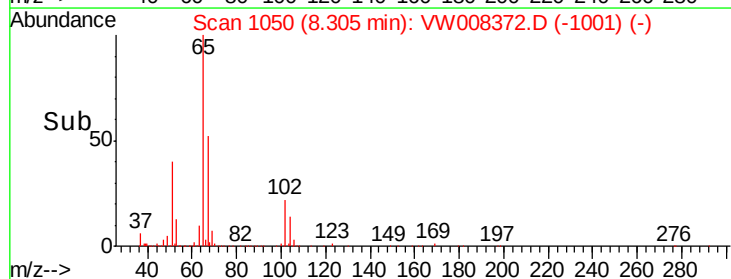
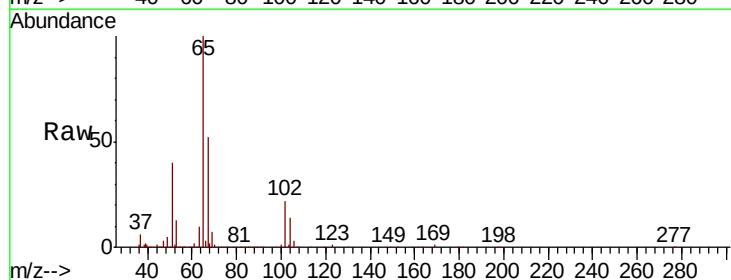
Instrument :
MSVOA_W
ClientSampled :
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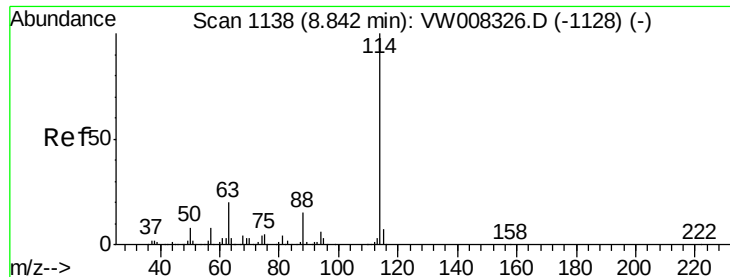
Tgt Ion: 56 Resp: 2896
Ion Ratio Lower Upper
56 100
69 178.5 27.0 40.6#
84 123.0 72.5 108.7#



#33
1,2-Dichloroethane-d4
Concen: 60.922 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008372.D
Acq: 21 Jan 2019 13:53

Tgt Ion: 65 Resp: 65015
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.2

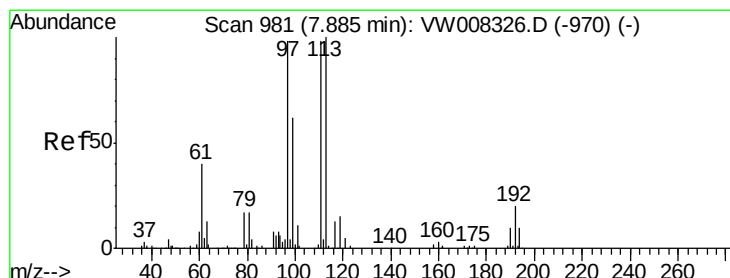
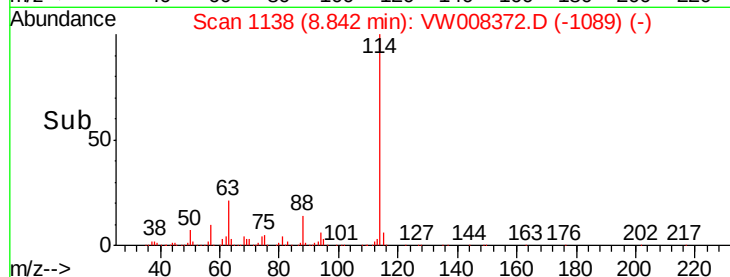
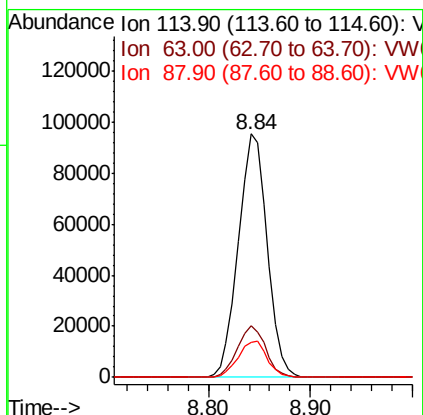
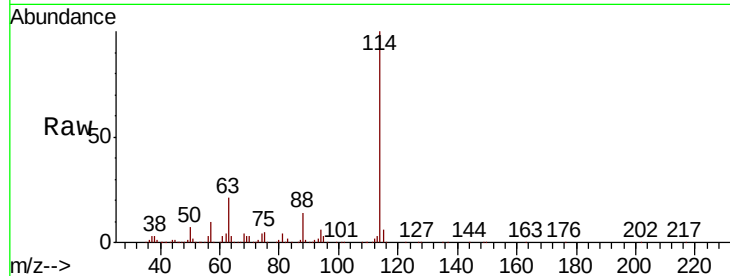




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008372.D
 Acq: 21 Jan 2019 13:53

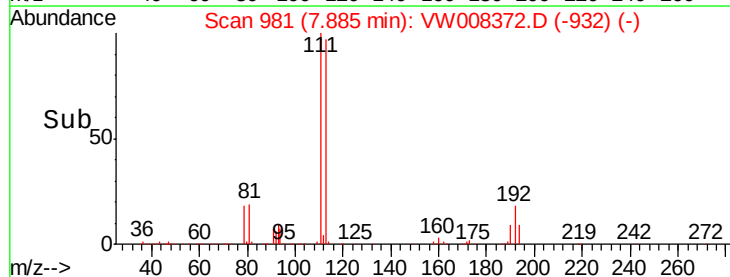
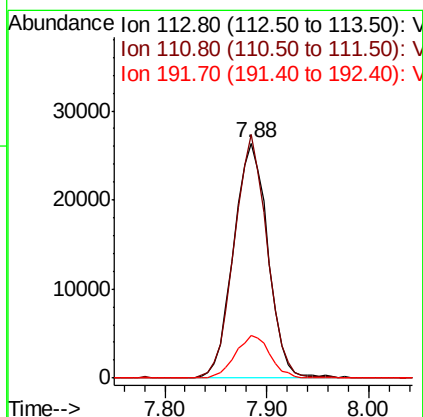
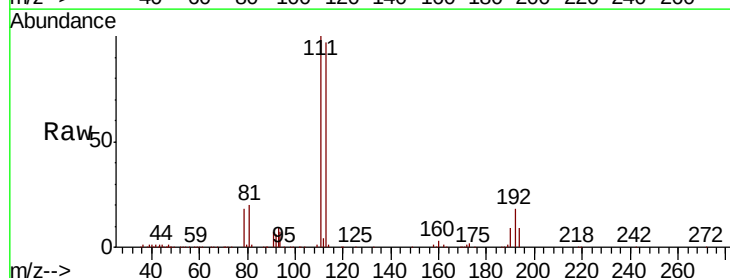
Instrument :
 MSVOA_W
 ClientSampleId :
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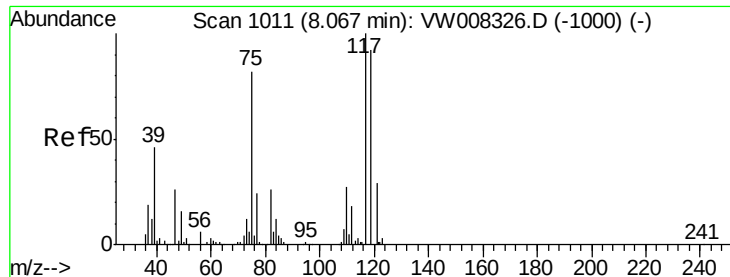
Tgt Ion:114 Resp: 186826
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 14.4 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 51.620 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008372.D
 Acq: 21 Jan 2019 13:53

Tgt Ion:113 Resp: 61561
 Ion Ratio Lower Upper
 113 100
 111 99.4 81.8 122.8
 192 18.3 16.3 24.5

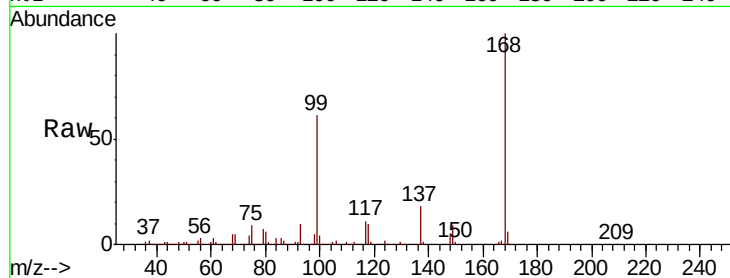




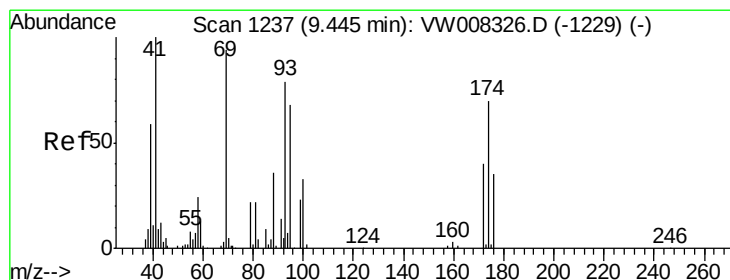
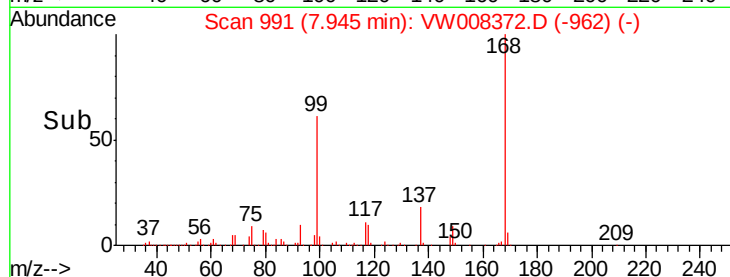
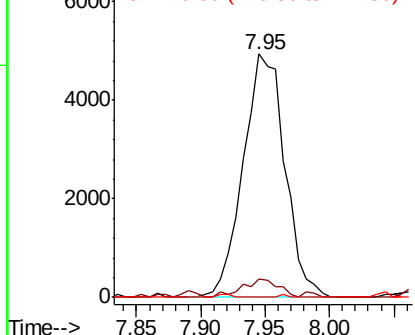
#38
 Carbon Tetrachloride
 Concen: 5.946 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008372.D
 Acq: 21 Jan 2019 13:53

Instrument :
 MSVOA_W
 ClientSampled :
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Tgt Ion:117 Resp: 11036
 Ion Ratio Lower Upper
 117 100
 119 7.6 73.8 110.6#
 121 0.0 23.4 35.0#

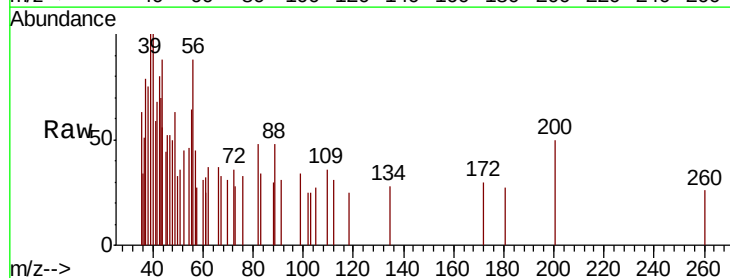


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

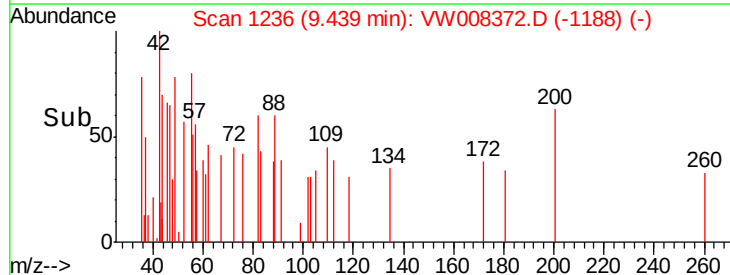
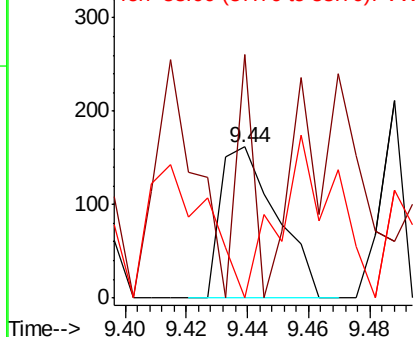


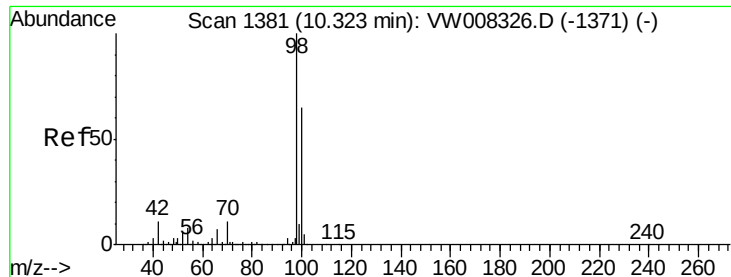
#49
 1,4-Dioxane
 Concen: 18.564 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: VW008372.D
 Acq: 21 Jan 2019 13:53

Tgt Ion: 88 Resp: 206
 Ion Ratio Lower Upper
 88 100
 43 46.6 27.1 40.7#
 58 0.0 57.9 86.9#



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: 49.573 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008372.D

Acq: 21 Jan 2019 13:53

Instrument :

MSVOA_W

ClientSampled :

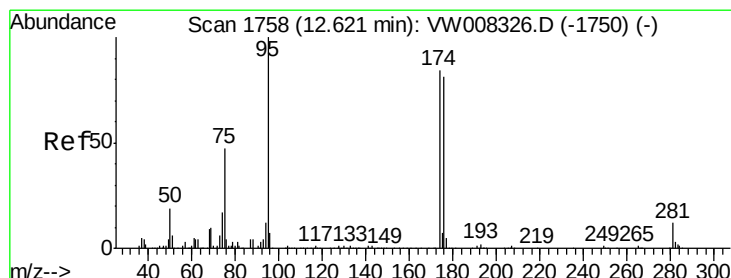
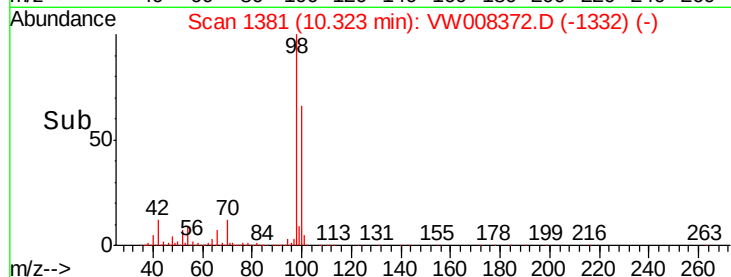
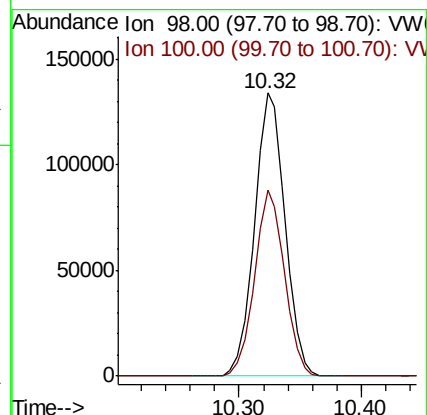
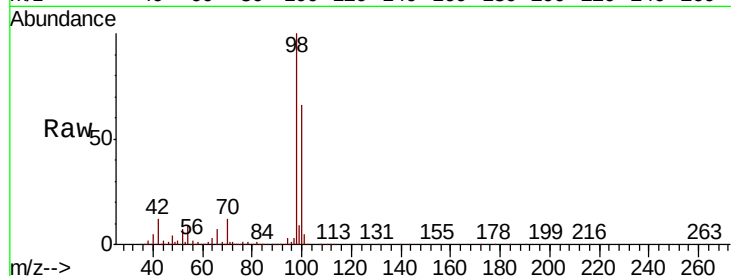
C-3

Tgt Ion: 98 Resp: 232252

Ion Ratio Lower Upper

98 100

100 64.4 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 46.880 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008372.D

Acq: 21 Jan 2019 13:53

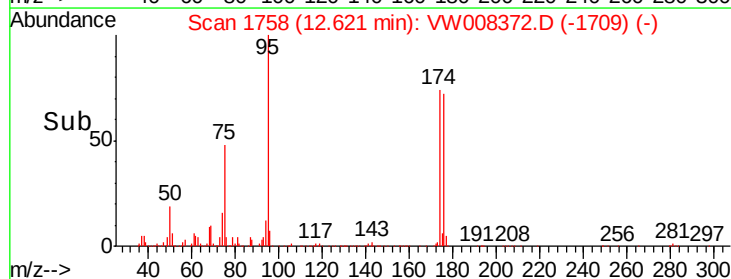
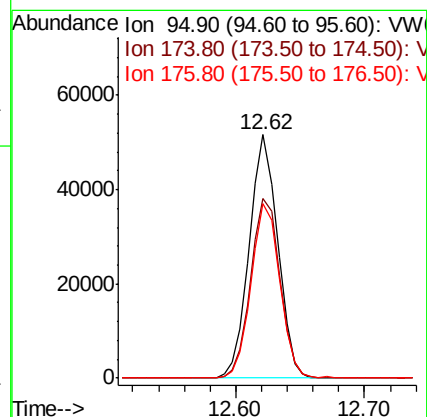
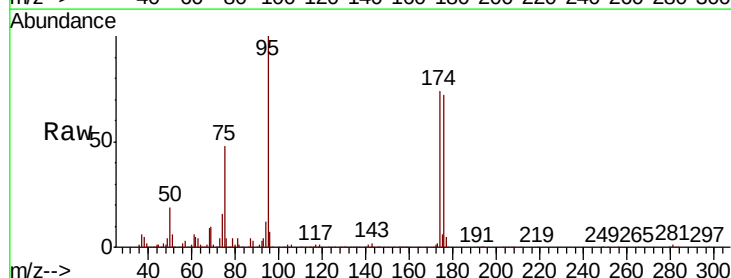
Tgt Ion: 95 Resp: 78772

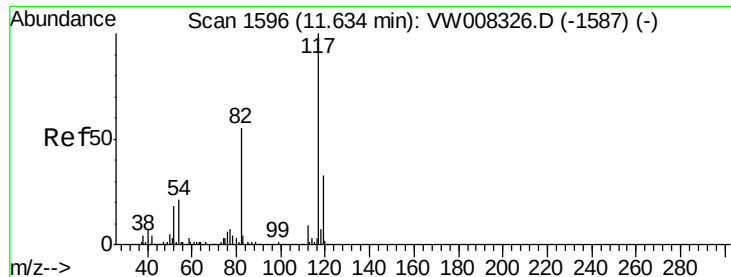
Ion Ratio Lower Upper

95 100

174 75.8 0.0 166.0

176 72.1 0.0 160.0

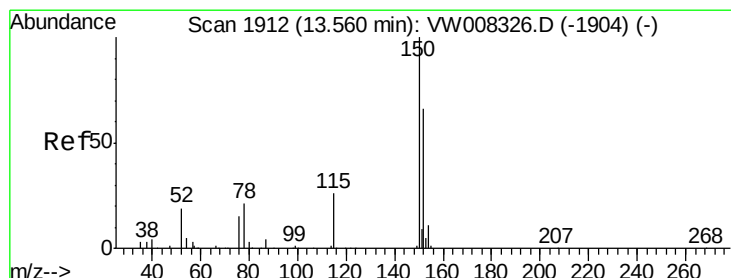
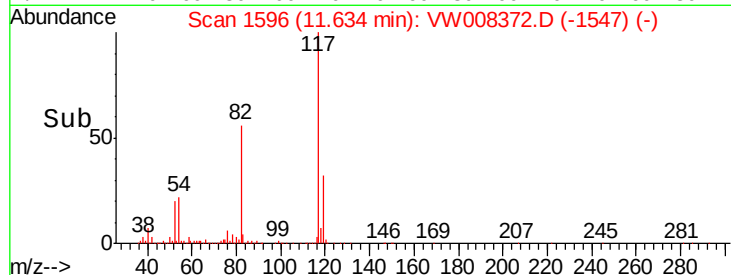
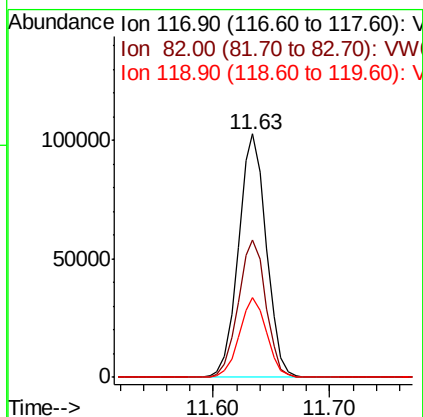
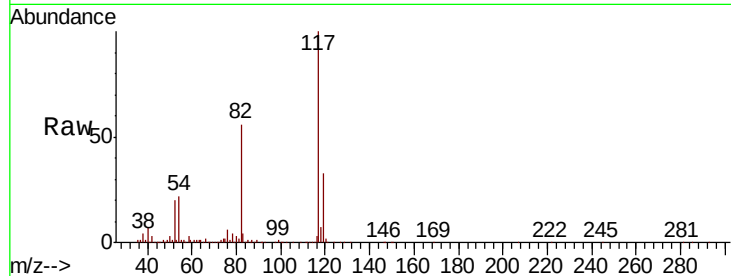




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008372.D
Acq: 21 Jan 2019 13:53

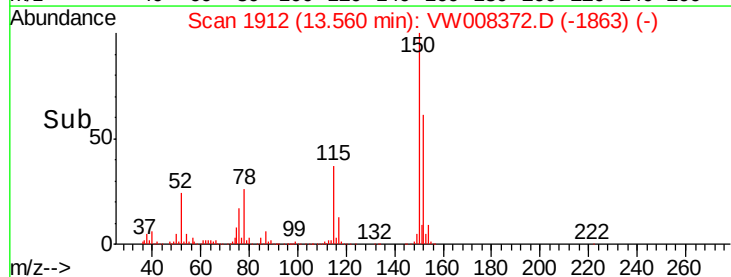
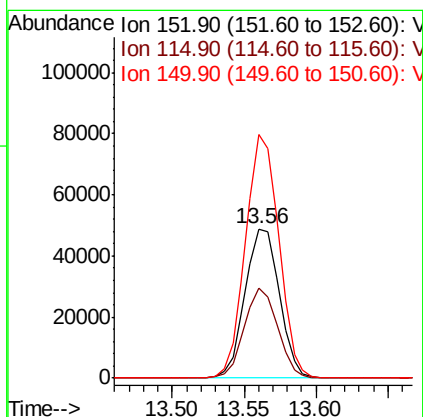
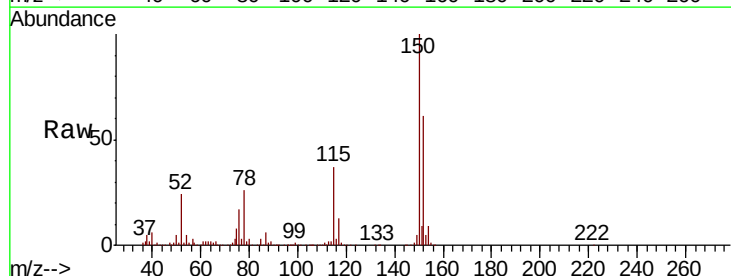
Instrument :
MSVOA_W
ClientSampled :
C-3

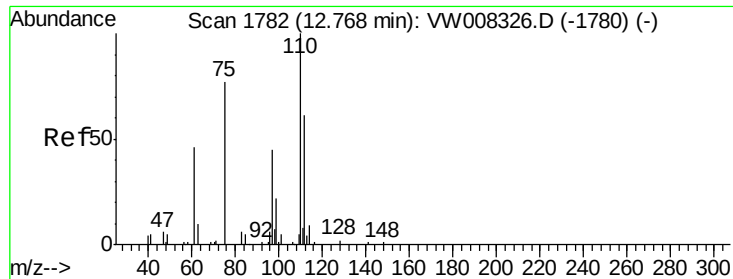
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.3	66.5
119	32.4	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008372.D
Acq: 21 Jan 2019 13:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.8	86.4
150	158.5	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 53.614 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008372.D

Acq: 21 Jan 2019 13:53

Instrument :

MSVOA_W

ClientSampled :

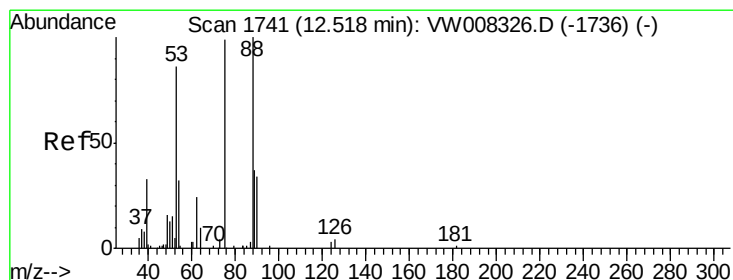
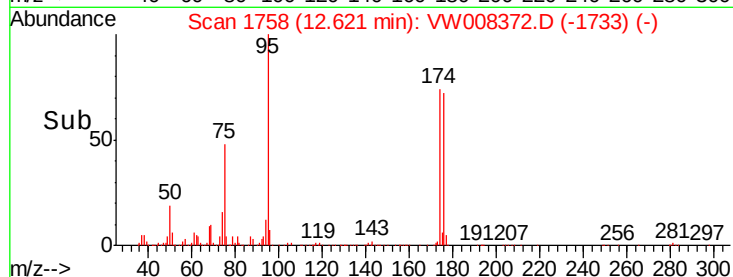
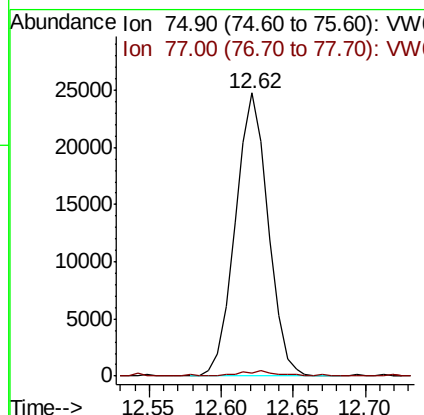
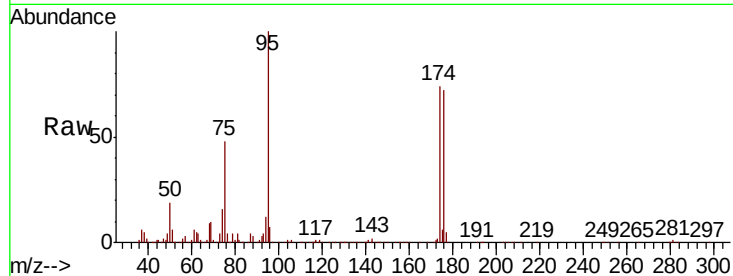
C-3

Tgt Ion: 75 Resp: 39321

Ion Ratio Lower Upper

75 100

77 1.9 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.945 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008372.D

Acq: 21 Jan 2019 13:53

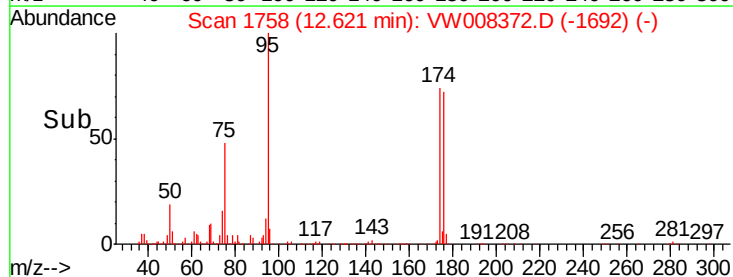
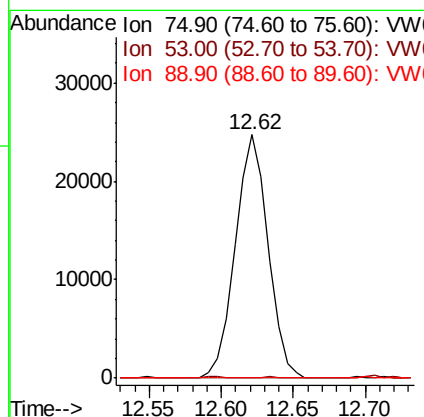
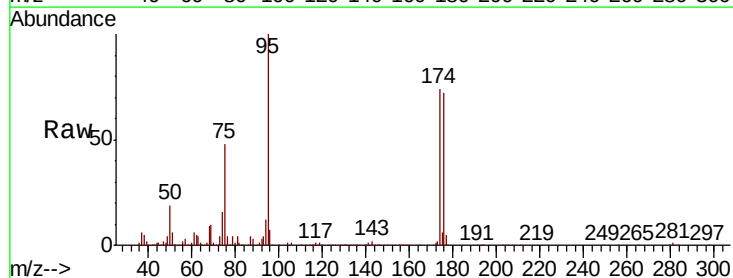
Tgt Ion: 75 Resp: 39321

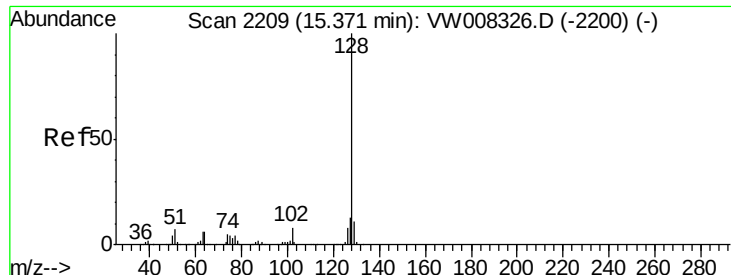
Ion Ratio Lower Upper

75 100

53 0.3 76.2 114.4#

89 0.1 36.7 55.1#





#95
Naphthalene
Concen: 2.485 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008372.D
Acq: 21 Jan 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
C-3

Tgt Ion:128 Resp: 503
Ion Ratio Lower Upper
128 100
127 12.1 10.5 15.7
129 6.2 8.8 13.2#

