

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
 Data File : VW008713.D
 Acq On : 16 Feb 2019 05:43
 Operator : SY/VA
 Sample : K1508-07
 Misc : 4.88G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 M-12-D

Quant Time: Feb 18 08:00:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	345300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	453402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	221311	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	191261	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
35) Dibromofluoromethane	7.88	113	165237	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	10.32	98	618846	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.62	95	213717	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	

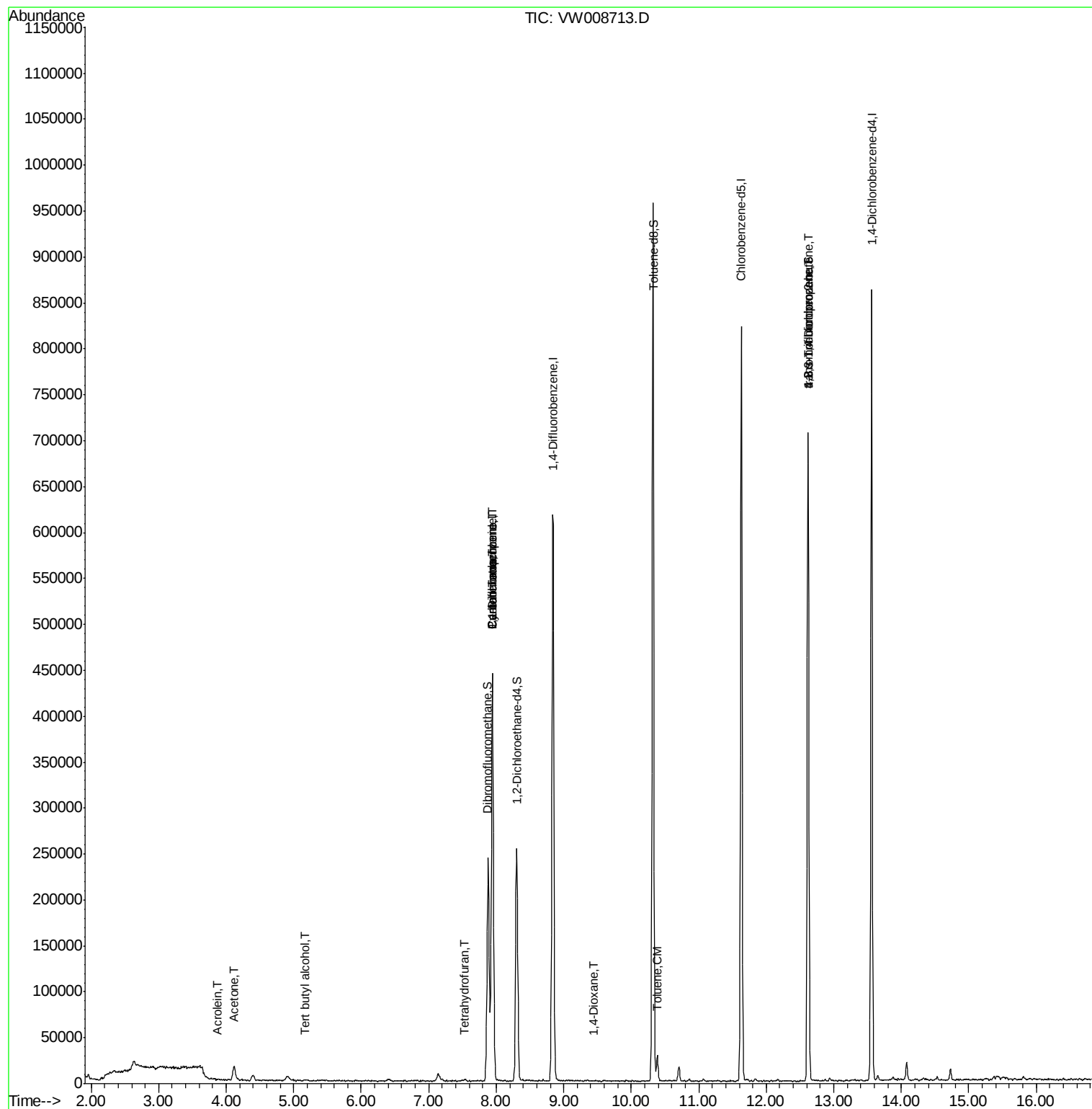
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	661	2.301	ug/l #	41
13) Acrolein	3.87	56	492	1.663	ug/l #	68
16) Acetone	4.12	43	27226	33.329	ug/l	91
20) Methylene Chloride	4.91	84	3408	Below Cal	#	59
29) Tetrahydrofuran	7.52	42	890	1.171	ug/l #	85
31) Cyclohexane	7.94	56	8050	1.226	ug/l #	7
36) 1,1-Dichloropropene	7.94	75	26074	4.967	ug/l #	48
38) Carbon Tetrachloride	7.95	117	33736	6.463	ug/l #	17
49) 1,4-Dioxane	9.44	88	42	1.346	ug/l #	59
52) Toluene	10.39	92	11295	1.221	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	110282	50.465	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	110282	108.177	ug/l #	6

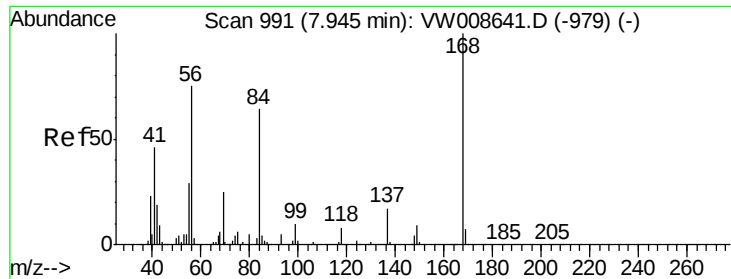
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
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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: VW008713.D

Acq: 16 Feb 2019 05:43

Instrument :

MSVOA_W

ClientSampleId :

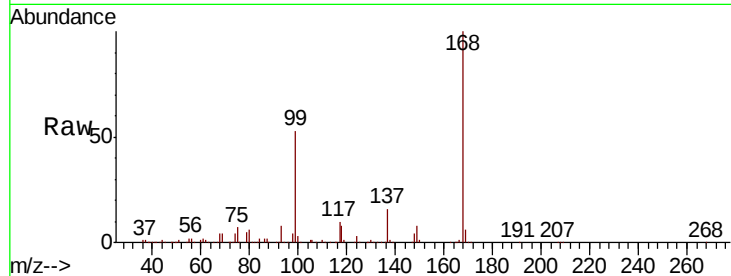
M-12-D

Tgt Ion:168 Resp: 345300

Ion Ratio Lower Upper

168 100

99 52.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

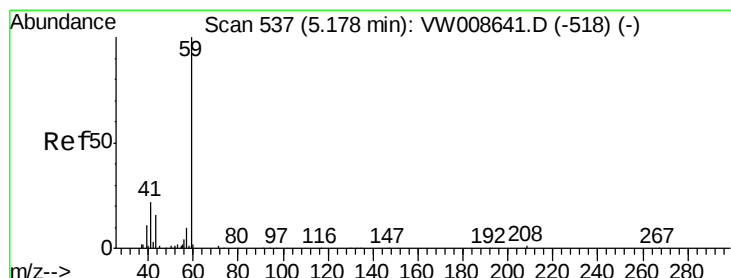
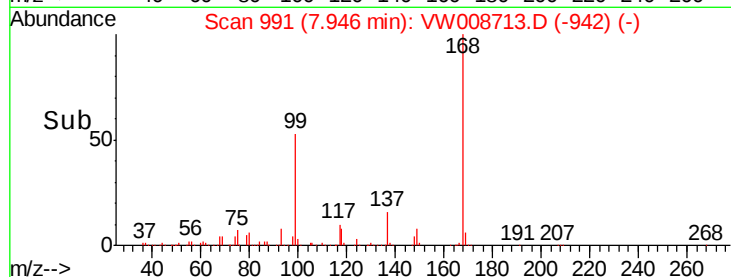
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.301 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW008713.D

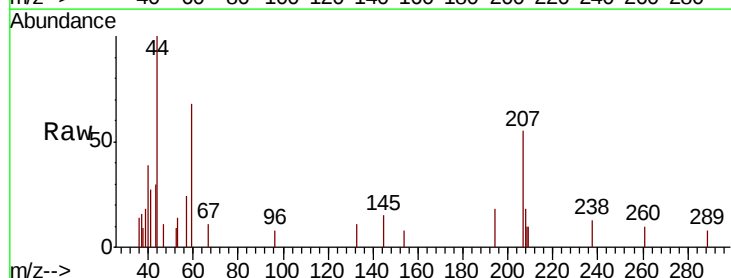
Acq: 16 Feb 2019 05:43

Tgt Ion: 59 Resp: 661

Ion Ratio Lower Upper

59 100

57 32.5 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

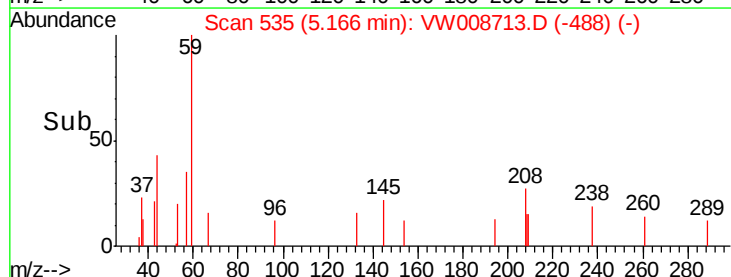
300

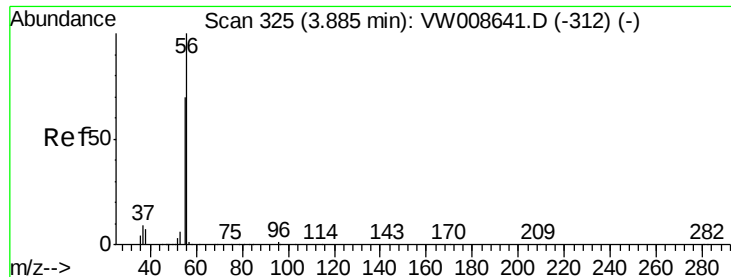
200

100

0

Time-->





#13

Acrolein

Concen: 1.663 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW008713.D

Acq: 16 Feb 2019 05:43

Instrument :

MSVOA_W

ClientSampleId :

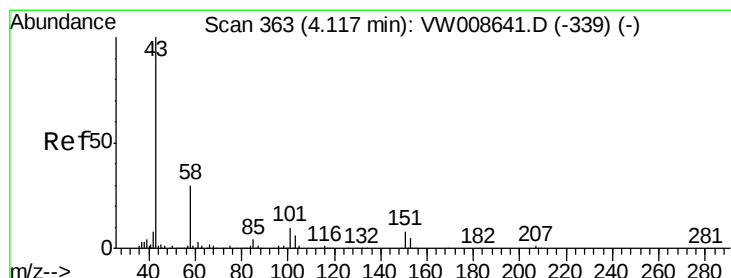
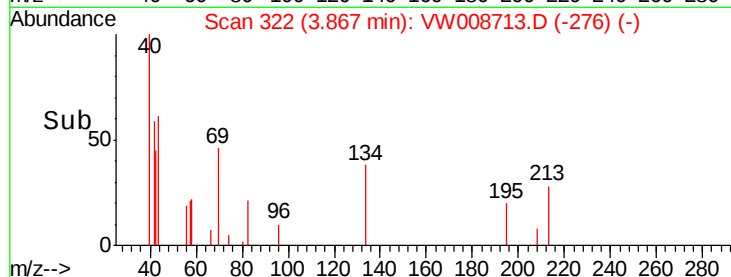
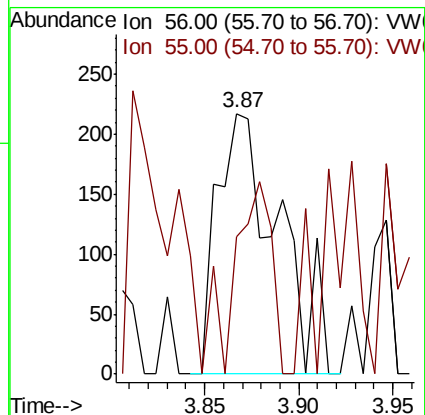
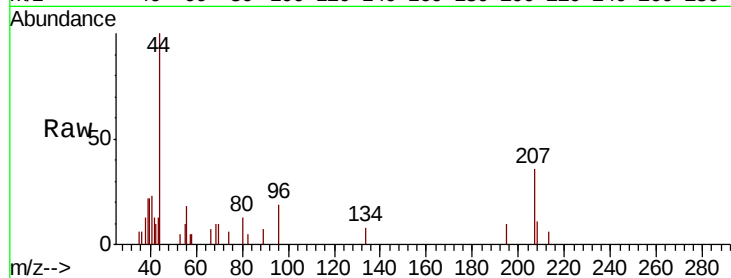
M-12-D

Tgt Ion: 56 Resp: 492

Ion Ratio Lower Upper

56 100

55 45.5 57.4 86.2#



#16

Acetone

Concen: 33.329 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008713.D

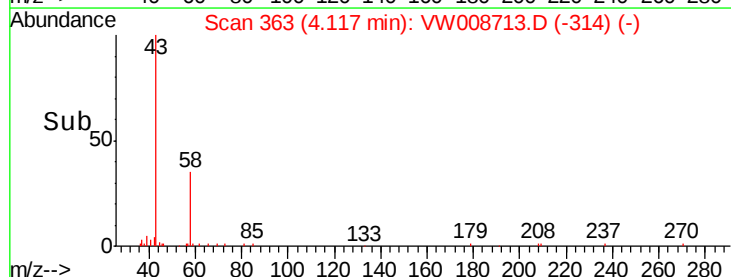
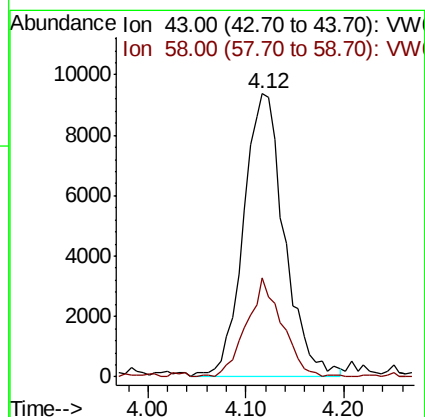
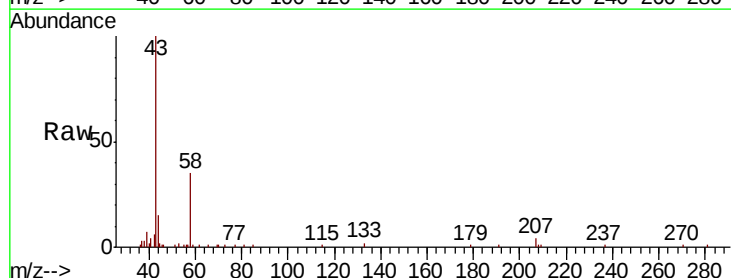
Acq: 16 Feb 2019 05:43

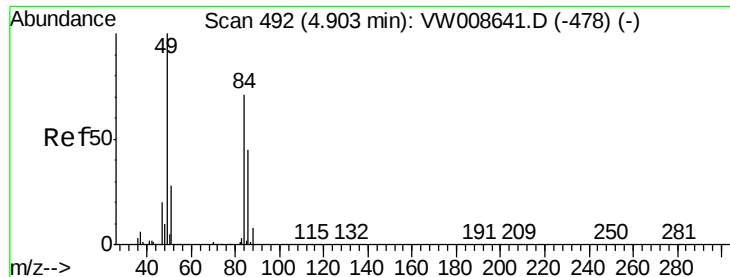
Tgt Ion: 43 Resp: 27226

Ion Ratio Lower Upper

43 100

58 35.0 24.1 36.1

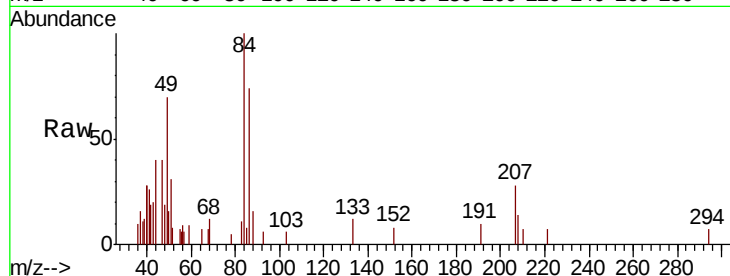




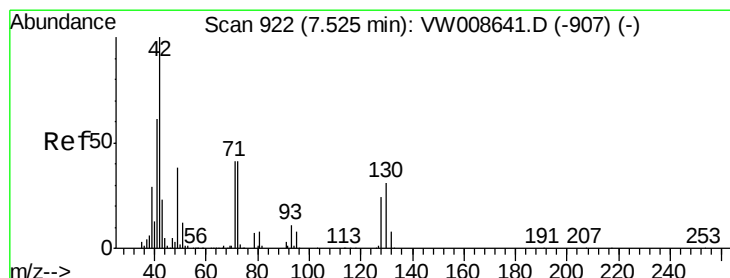
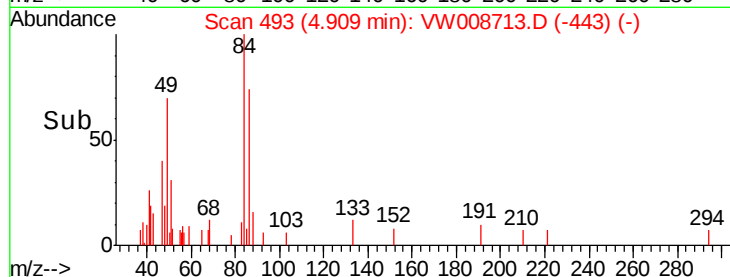
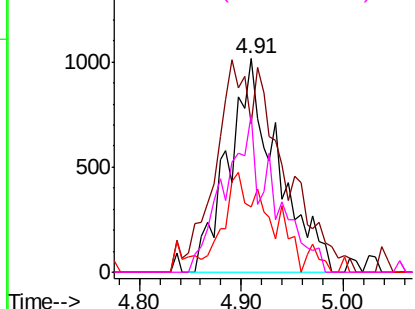
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008713.D
Acq: 16 Feb 2019 05:43

Instrument :
MSVOA_W
ClientSampleId :
M-12-D

Tgt Ion: 84 Resp: 3408
Ion Ratio Lower Upper
84 100
49 63.3 113.3 169.9#
51 38.2 32.1 48.1
86 73.6 50.9 76.3

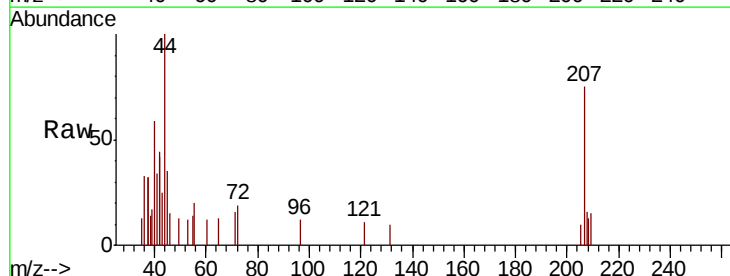


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

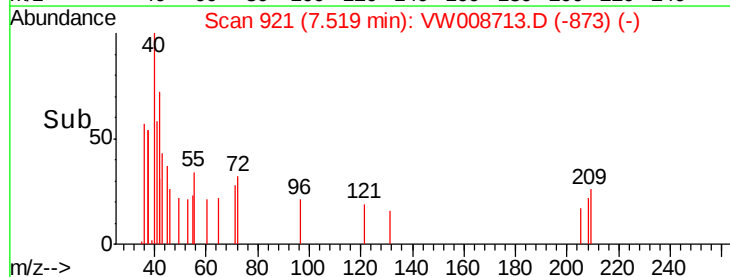
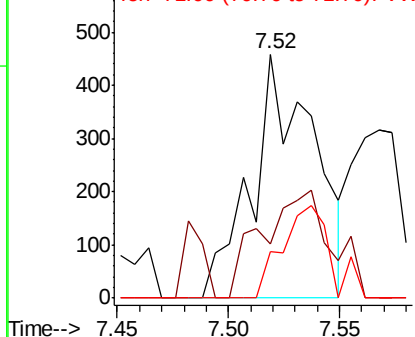


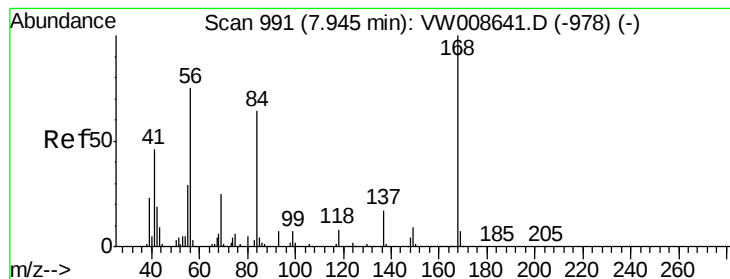
#29
Tetrahydrofuran
Concen: 1.171 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW008713.D
Acq: 16 Feb 2019 05:43

Tgt Ion: 42 Resp: 890
Ion Ratio Lower Upper
42 100
72 49.3 32.2 48.2#
71 29.4 31.0 46.6#



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: 1.226 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008713.D

Acq: 16 Feb 2019 05:43

Instrument :

MSVOA_W

ClientSampleId :

M-12-D

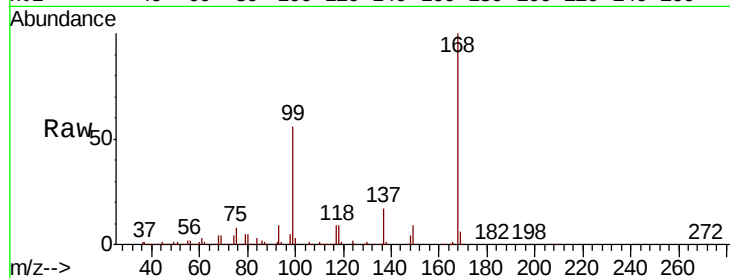
Tgt Ion: 56 Resp: 8050

Ion Ratio Lower Upper

56 100

69 155.9 26.4 39.6#

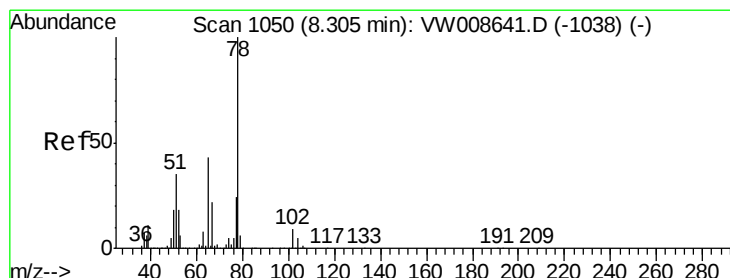
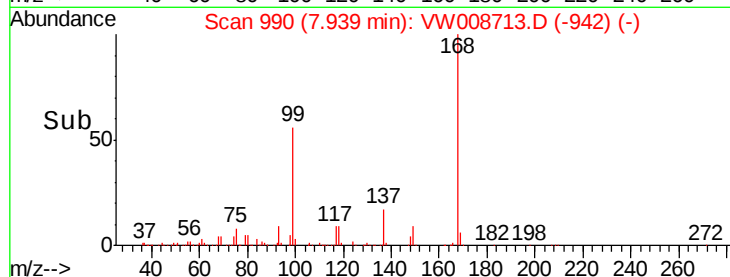
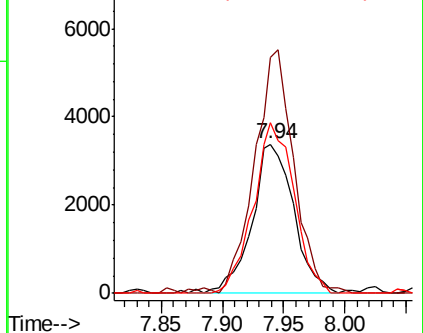
84 124.8 67.4 101.2#



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: 53.278 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008713.D

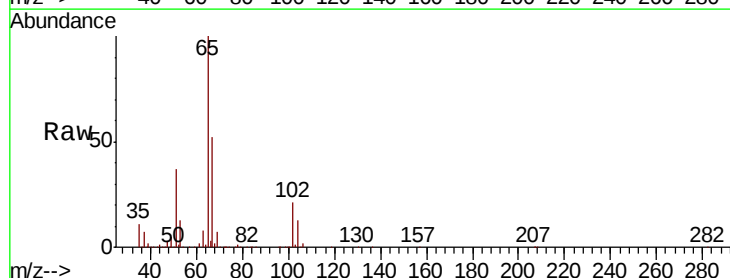
Acq: 16 Feb 2019 05:43

Tgt Ion: 65 Resp: 191261

Ion Ratio Lower Upper

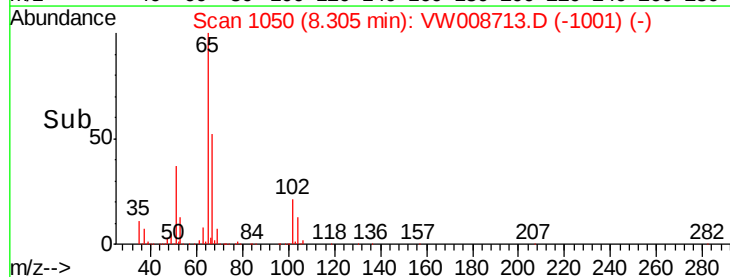
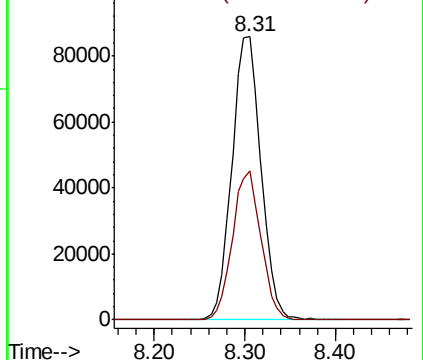
65 100

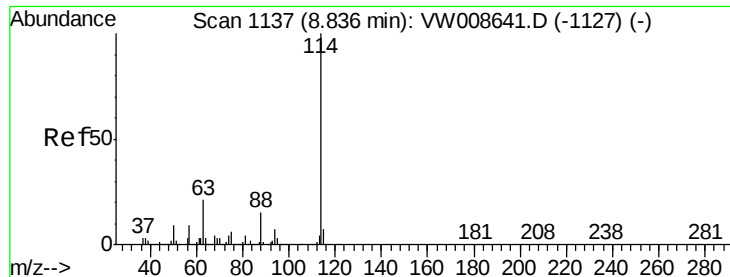
67 51.3 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

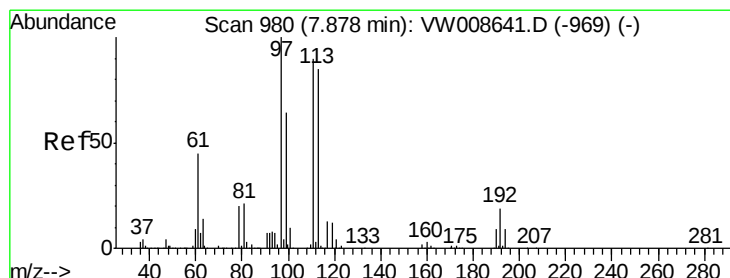
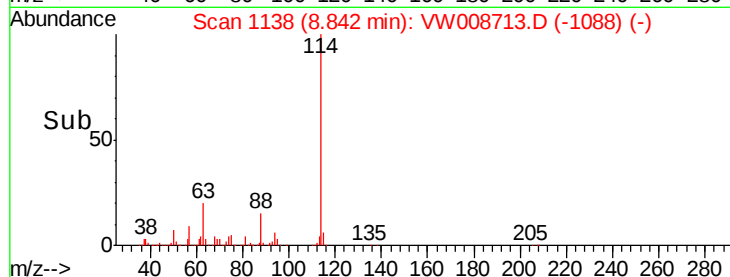
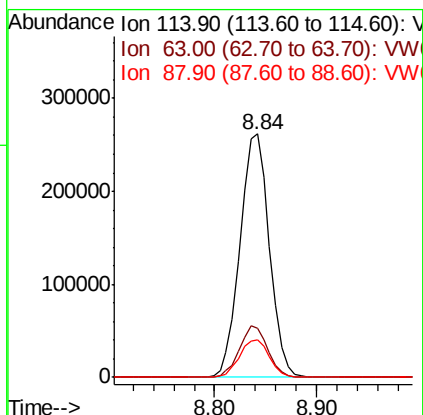
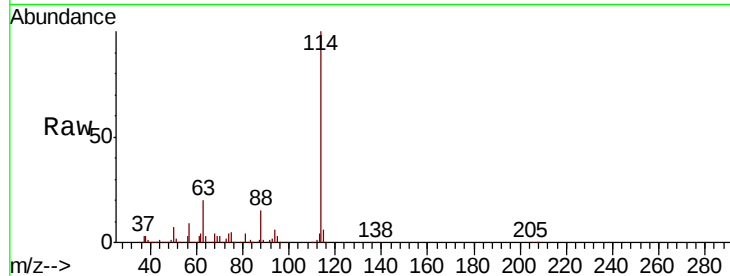




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VW008713.D
Acq: 16 Feb 2019 05:43

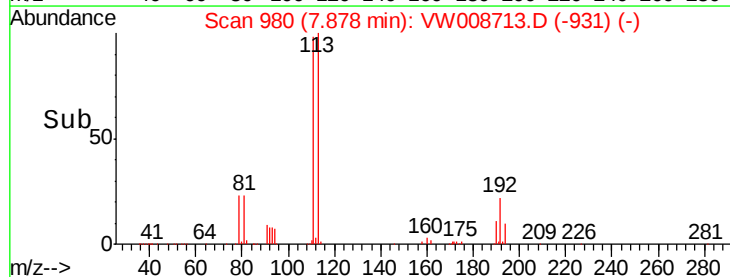
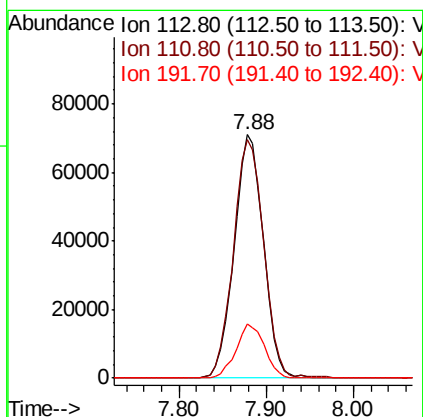
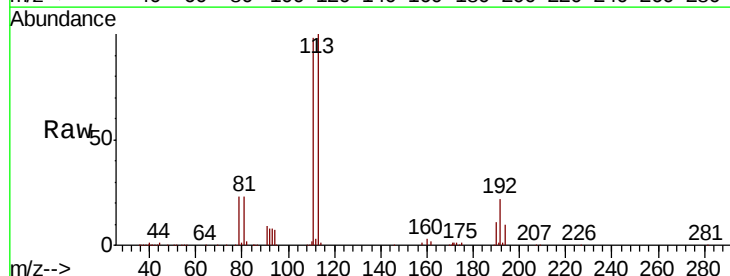
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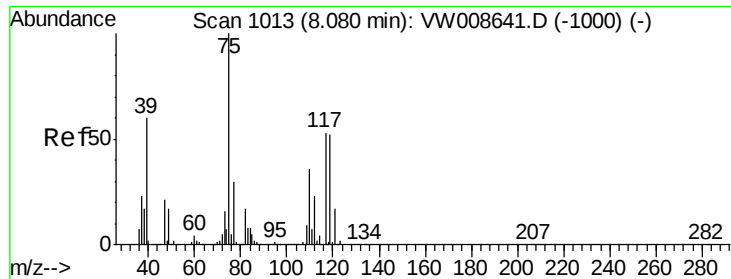
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.2
88	15.3	0.0	29.6



#35
Dibromofluoromethane
Concen: 50.929 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW008713.D
Acq: 16 Feb 2019 05:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	84.0	126.0
192	21.6	17.4	26.2

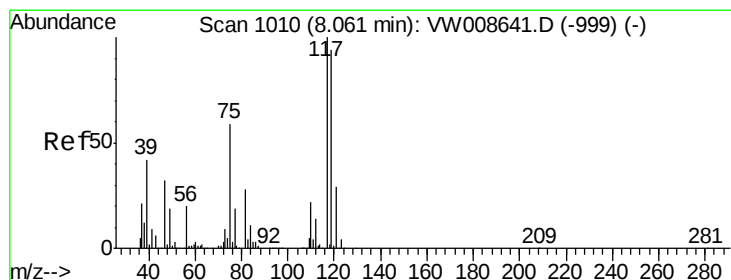
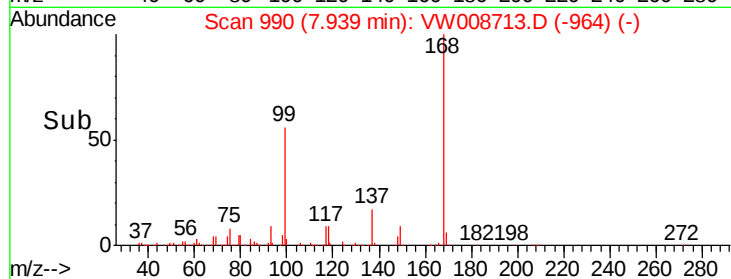
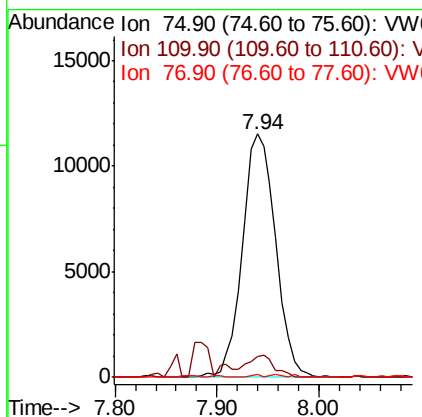
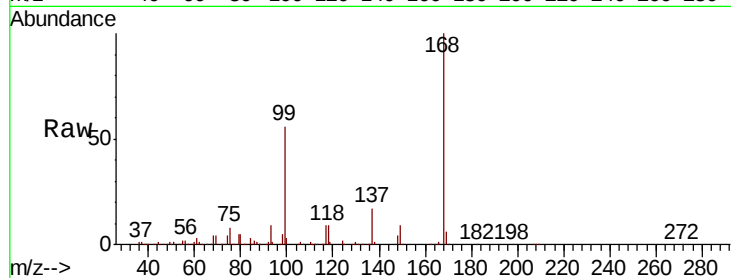




#36
 1,1-Dichloropropene
 Concen: 4.967 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008713.D
 Acq: 16 Feb 2019 05:43

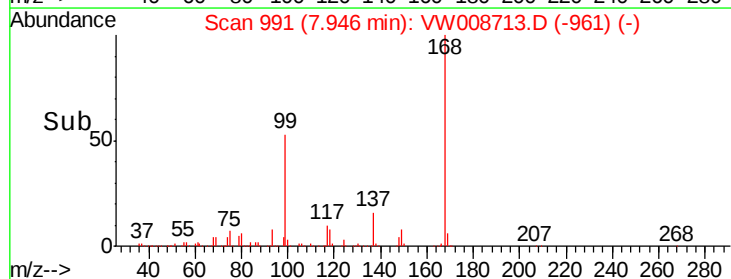
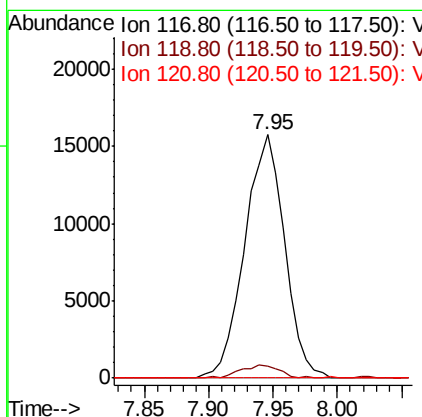
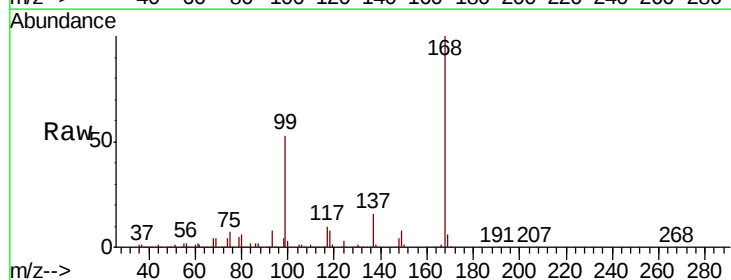
Instrument :
 MSVOA_W
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 M-12-D

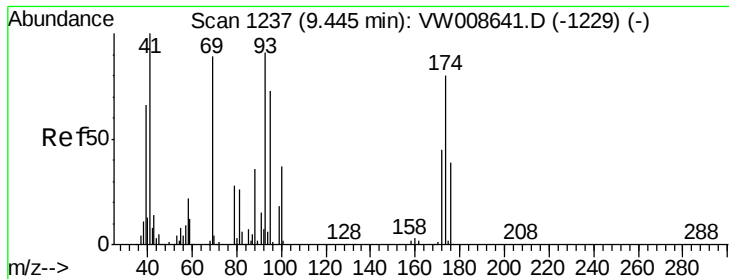
Tgt Ion: 75 Resp: 26074
 Ion Ratio Lower Upper
 75 100
 110 7.1 17.8 53.3#
 77 0.3 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.463 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008713.D
 Acq: 16 Feb 2019 05:43

Tgt Ion: 117 Resp: 33736
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.1 112.7#
 121 0.0 23.5 35.3#





#49

1,4-Dioxane

Concen: 1.346 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW008713.D

Acq: 16 Feb 2019 05:43

Instrument :

MSVOA_W

ClientSampleId :

M-12-D

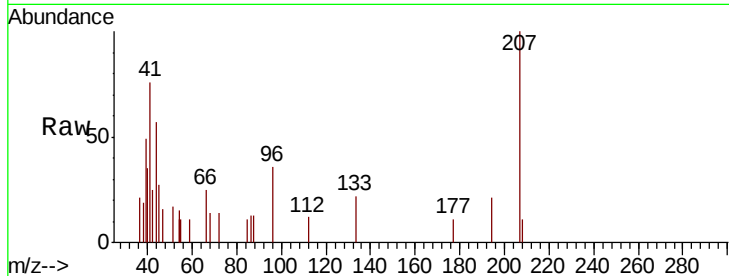
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.6#

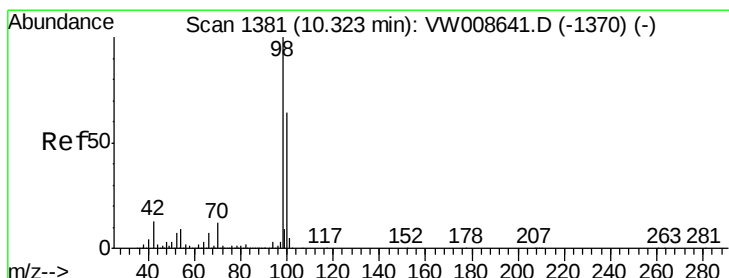
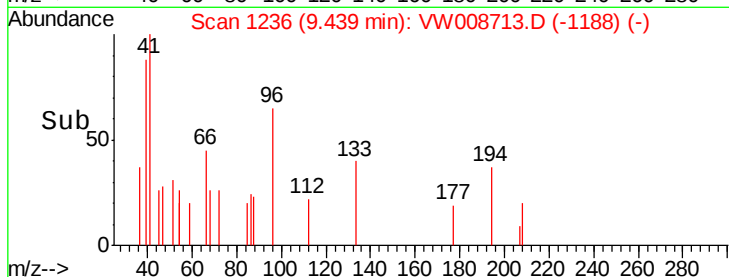
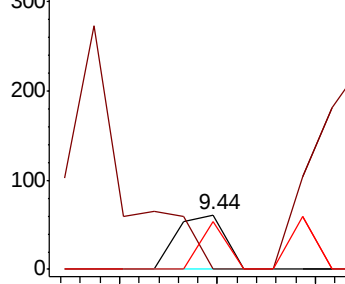
58 47.6 57.0 85.6#



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



#50

Toluene-d8

Concen: 49.480 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008713.D

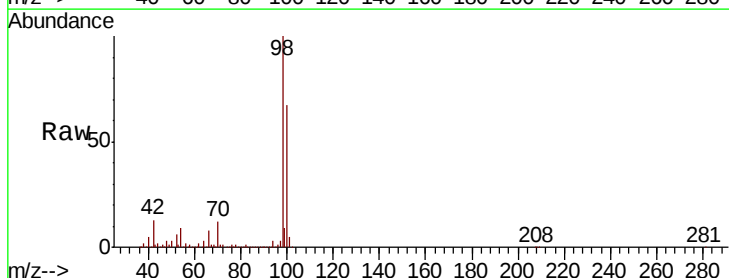
Acq: 16 Feb 2019 05:43

Tgt Ion: 98 Resp: 618846

Ion Ratio Lower Upper

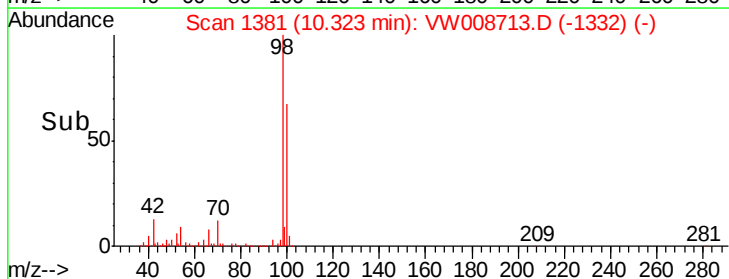
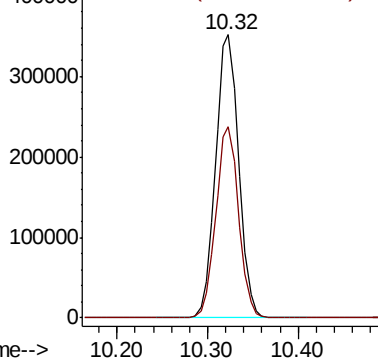
98 100

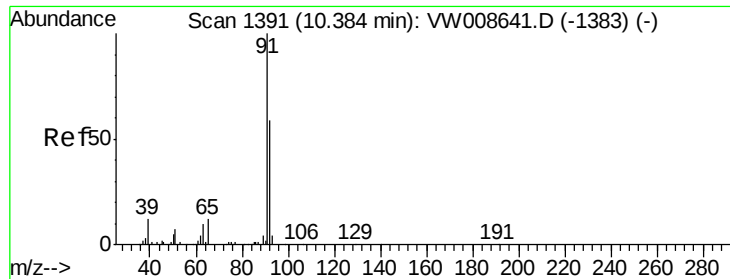
100 66.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.221 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008713.D

Acq: 16 Feb 2019 05:43

Instrument :

MSVOA_W

ClientSampleId :

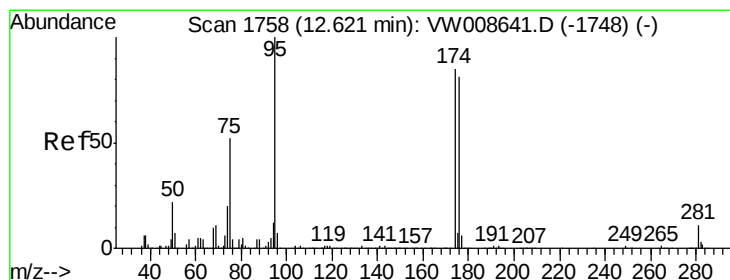
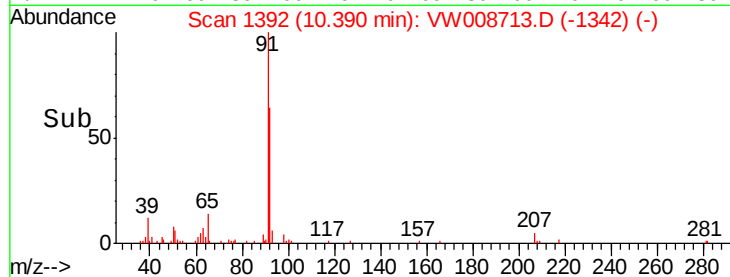
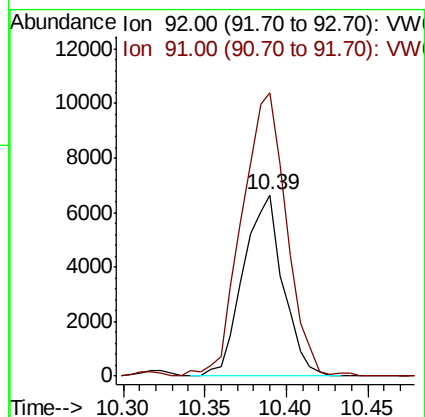
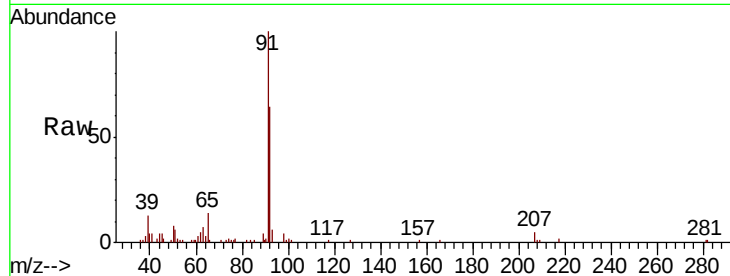
M-12-D

Tgt Ion: 92 Resp: 11295

Ion Ratio Lower Upper

92 100

91 175.4 135.8 203.6



#62

4-Bromofluorobenzene

Concen: 45.366 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008713.D

Acq: 16 Feb 2019 05:43

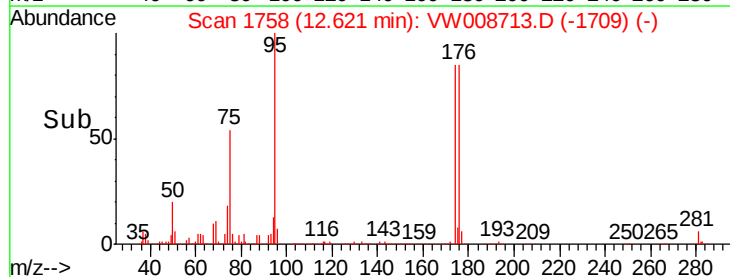
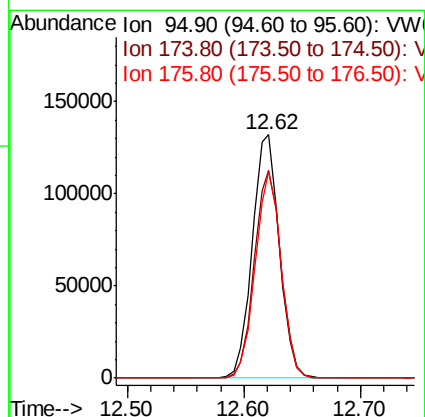
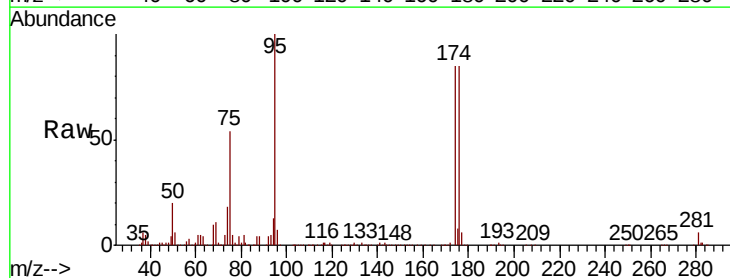
Tgt Ion: 95 Resp: 213717

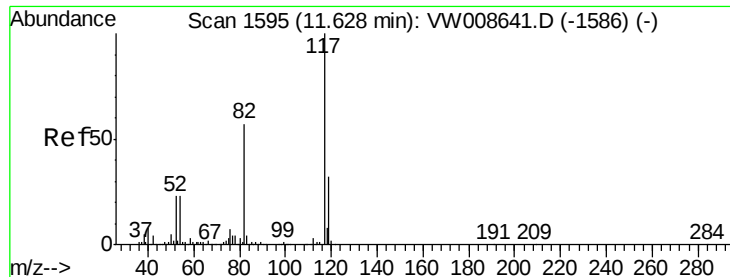
Ion Ratio Lower Upper

95 100

174 84.7 0.0 163.2

176 81.7 0.0 158.0

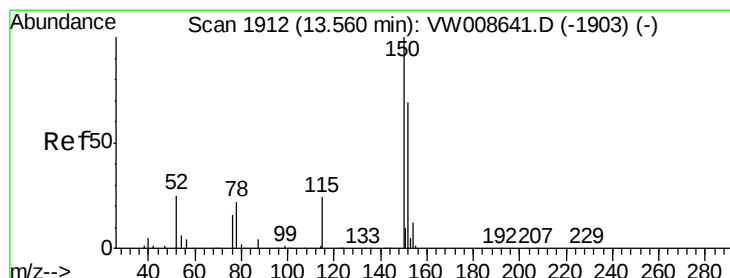
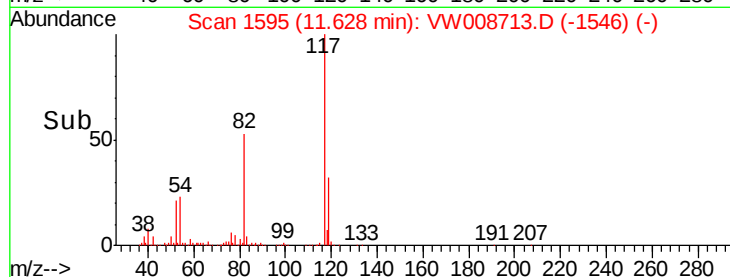
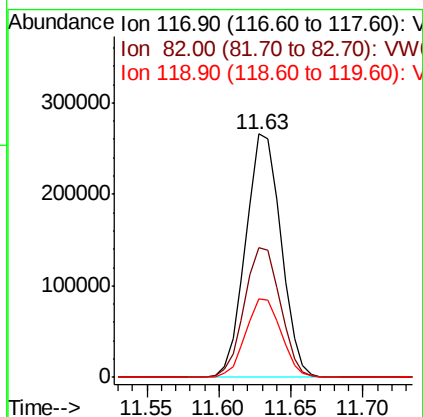
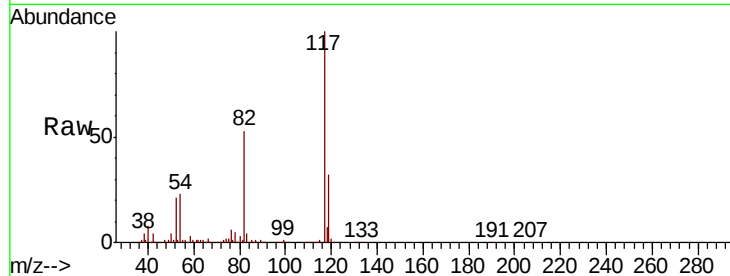




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW008713.D
Acq: 16 Feb 2019 05:43

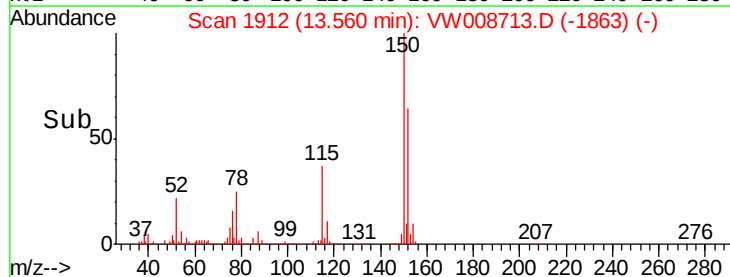
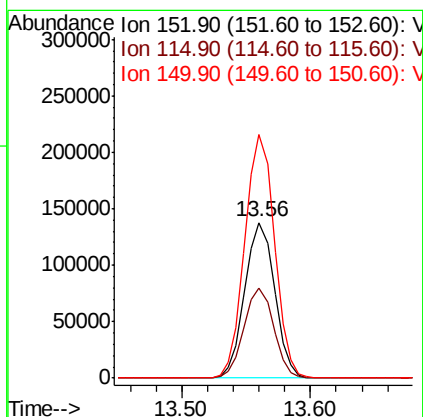
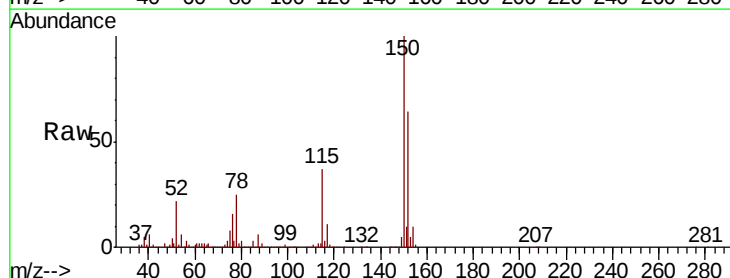
Instrument :
MSVOA_W
ClientSampleId :
M-12-D

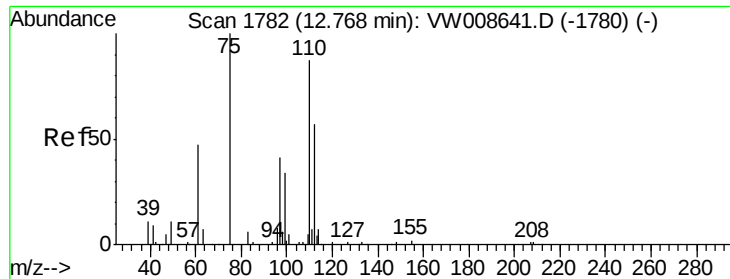
Tgt Ion:117 Resp: 453402
Ion Ratio Lower Upper
117 100
82 53.3 45.6 68.4
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008713.D
Acq: 16 Feb 2019 05:43

Tgt Ion:152 Resp: 221311
Ion Ratio Lower Upper
152 100
115 57.8 29.3 87.8
150 155.2 0.0 352.8





#76

1,2,3-Trichloropropane

Concen: 50.465 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008713.D

Acq: 16 Feb 2019 05:43

Instrument :

MSVOA_W

ClientSampleId :

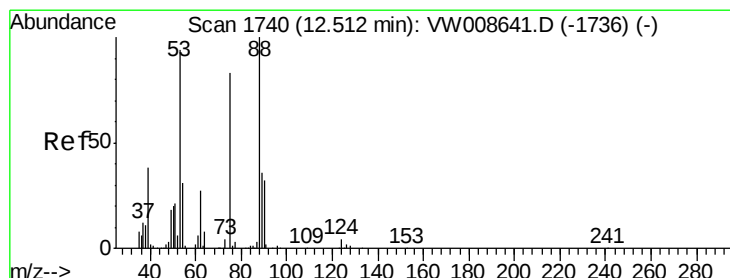
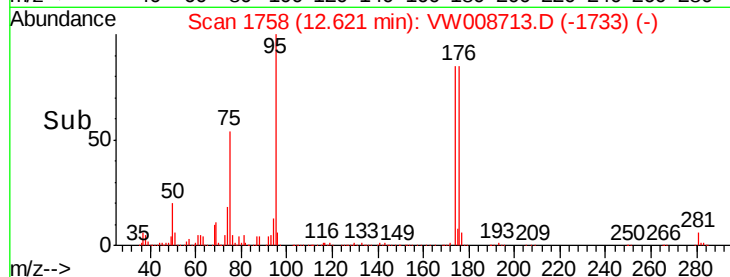
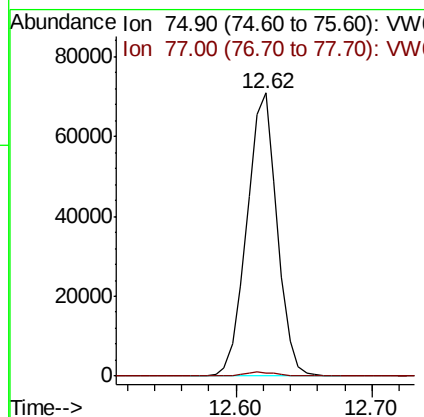
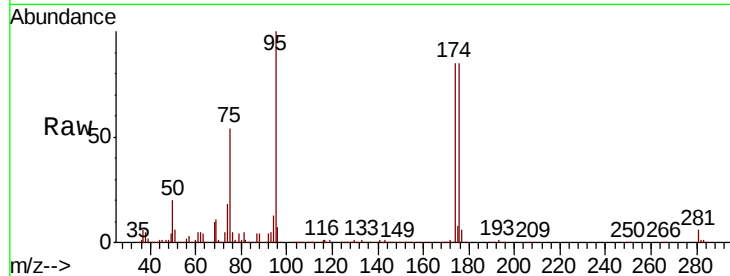
M-12-D

Tgt Ion: 75 Resp: 110282

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.177 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008713.D

Acq: 16 Feb 2019 05:43

Tgt Ion: 75 Resp: 110282

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.0#

89 0.0 37.0 55.4#

