

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011119\
 Data File : VW008234.D
 Acq On : 12 Jan 2019 11:07
 Operator : SY/VA
 Sample : K1122-10
 Misc : 5.31G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-7I(16-16.5)

Quant Time: Jan 14 11:02:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

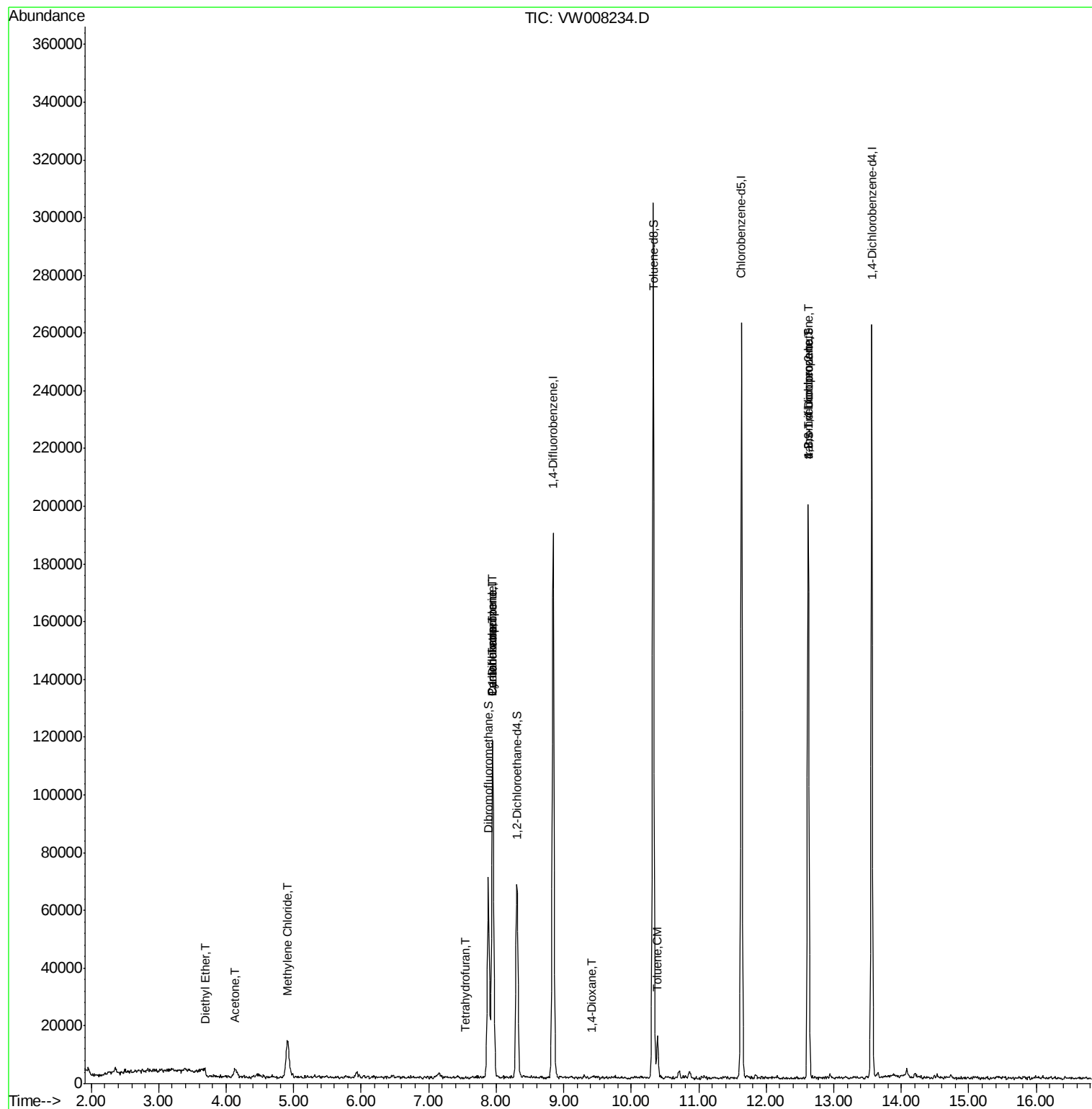
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	81133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	153944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	141979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61890	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52377	57.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.88%	
35) Dibromofluoromethane	7.88	113	49585	55.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.46%	
50) Toluene-d8	10.32	98	199830	53.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.62	95	64550	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.58%	
Target Compounds						
8) Diethyl Ether	3.68	74	1212	2.352	ug/l	58
11) Tert butyl alcohol	5.22	59	141	Below Cal	#	100
13) Acrolein	3.92	56	89	Below Cal	#	1
16) Acetone	4.12	43	6085	17.451	ug/l	97
20) Methylene Chloride	4.90	84	10556	7.689	ug/l	90
29) Tetrahydrofuran	7.54	42	200	1.180	ug/l #	58
31) Cyclohexane	7.95	56	2200	1.146	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	7373	4.649	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9122	6.285	ug/l #	17
49) 1,4-Dioxane	9.41	88	47	5.580	ug/l #	11
52) Toluene	10.39	92	6670	2.428	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	32848	58.221	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32848	135.579	ug/l #	11

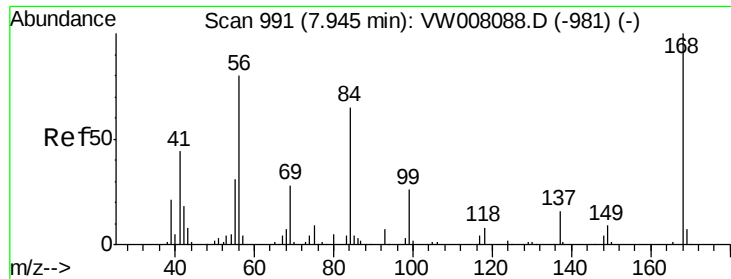
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008234.D

Acq: 12 Jan 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

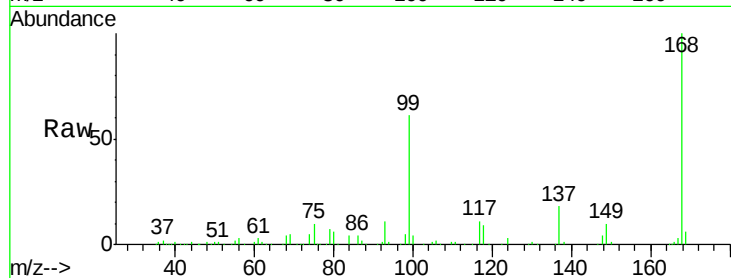
SB-7I(16-16.5)

Tgt Ion:168 Resp: 81133

Ion Ratio Lower Upper

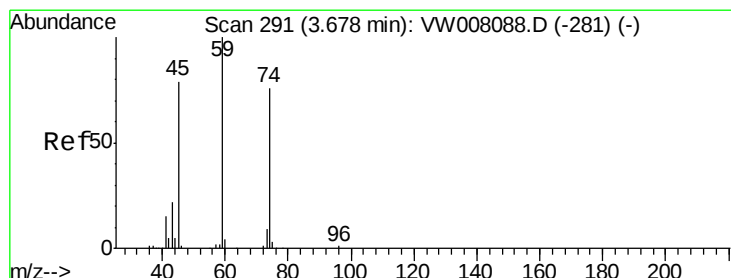
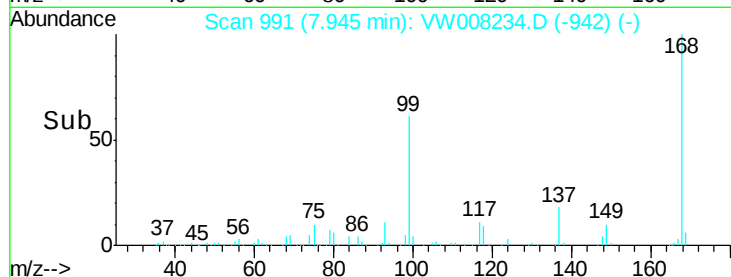
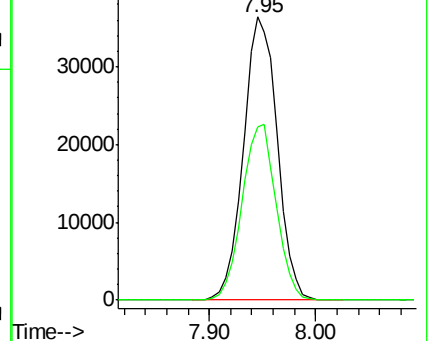
168 100

99 61.1 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.352 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW008234.D

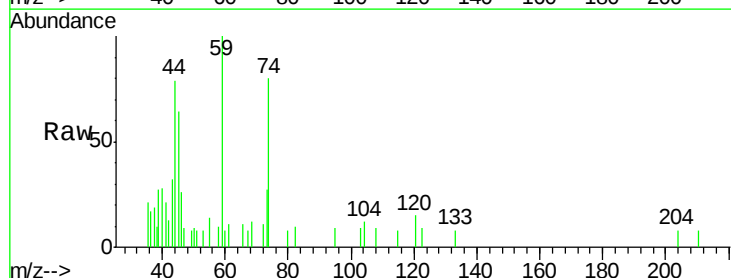
Acq: 12 Jan 2019 11:07

Tgt Ion: 74 Resp: 1212

Ion Ratio Lower Upper

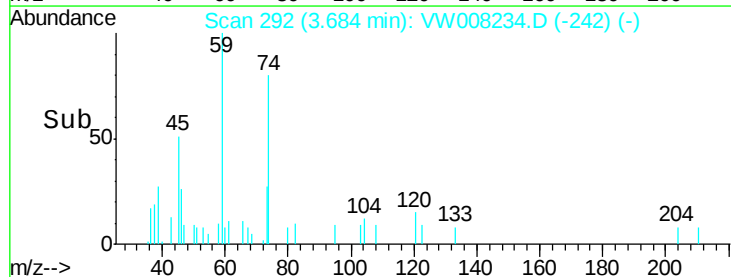
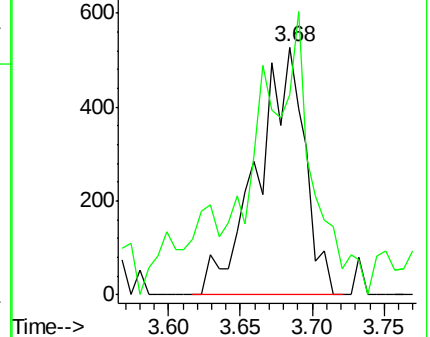
74 100

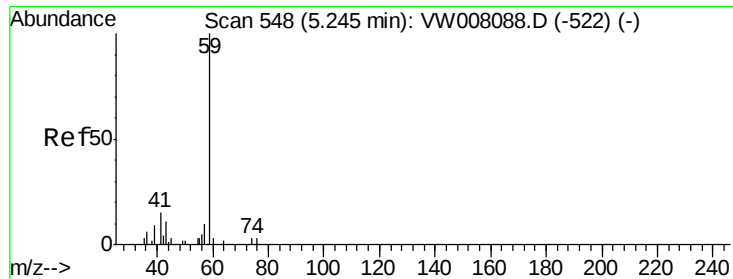
45 62.1 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

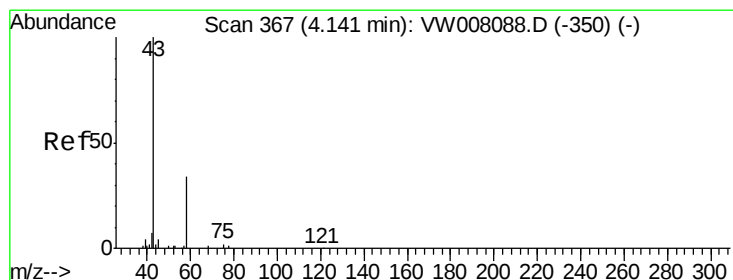
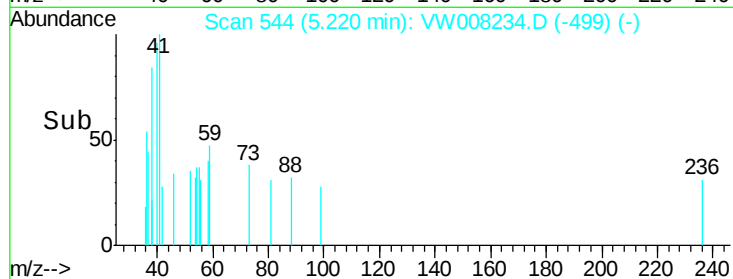
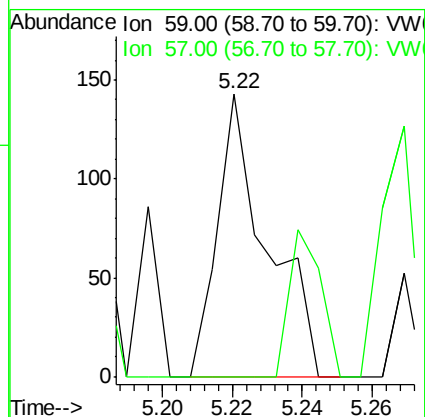
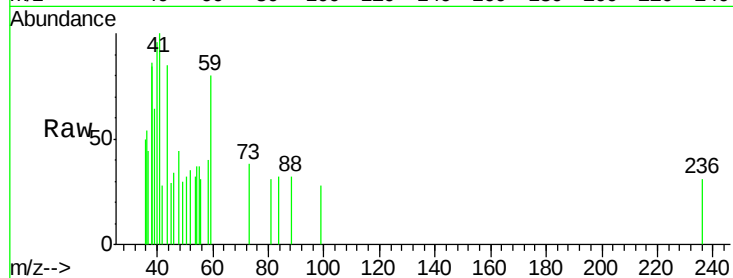




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 544
Delta R.T. -0.02 min
Lab File: VW008234.D
Acq: 12 Jan 2019 11:07

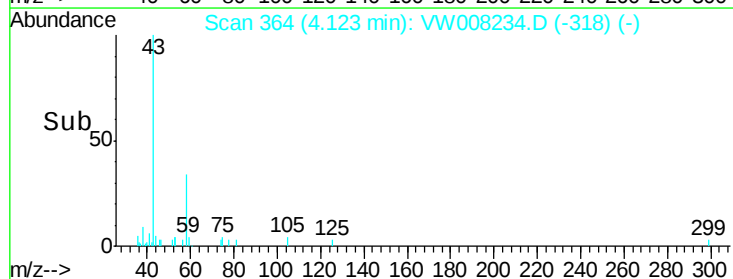
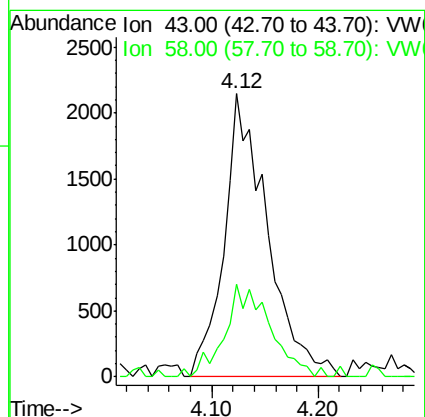
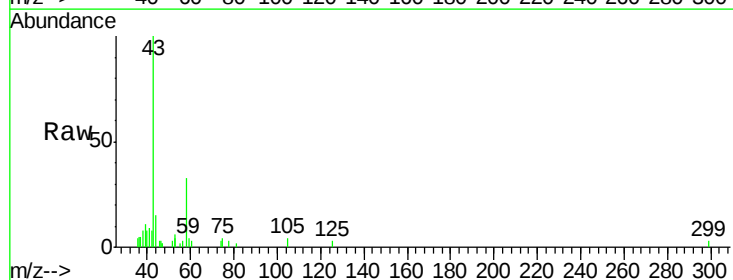
Instrument :
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ClientSampleId :
SB-7I(16-16.5)

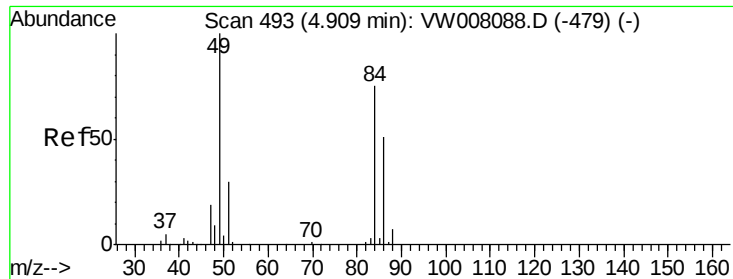
Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 33.3 0.0 0.0#



#16
Acetone
Concen: 17.451 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW008234.D
Acq: 12 Jan 2019 11:07

Tgt Ion: 43 Resp: 6085
Ion Ratio Lower Upper
43 100
58 32.5 27.5 41.3

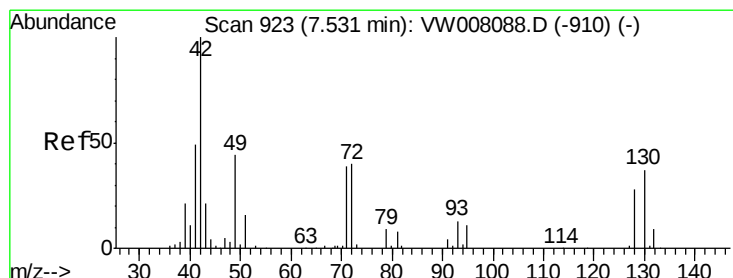
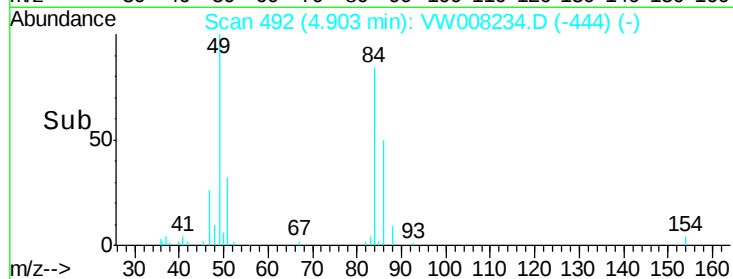
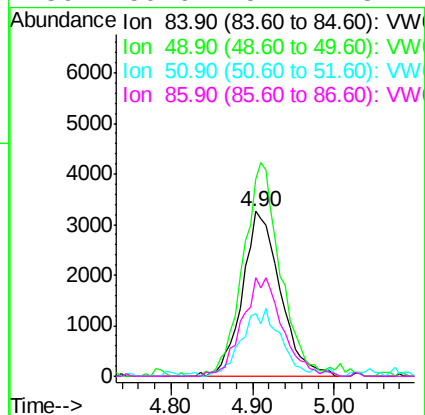
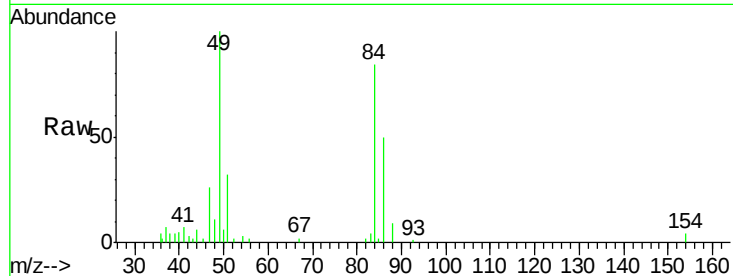




#20
Methylene Chloride
Concen: 7.689 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008234.D
Acq: 12 Jan 2019 11:07

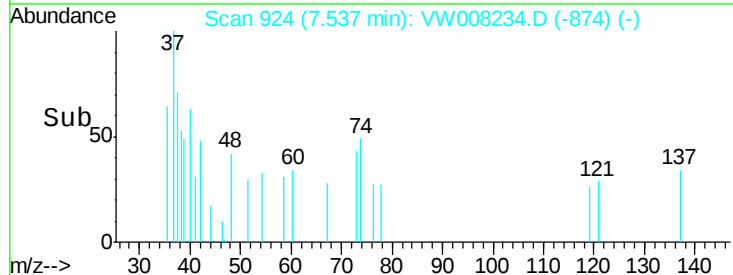
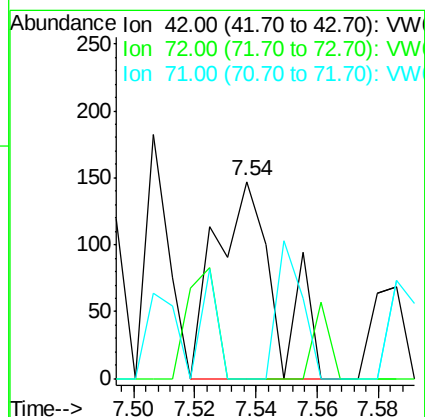
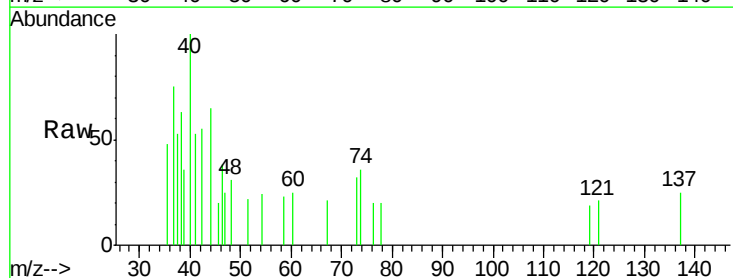
Instrument :
MSVOA_W
ClientSampleId :
SB-7I(16-16.5)

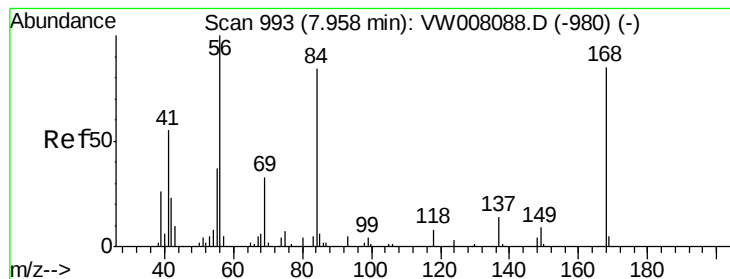
Tgt Ion:	84	Resp:	10556
Ion	Ratio	Lower	Upper
84	100		
49	119.8	107.1	160.7
51	38.3	32.4	48.6
86	59.6	54.2	81.4



#29
Tetrahydrofuran
Concen: 1.180 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008234.D
Acq: 12 Jan 2019 11:07

Tgt Ion:	42	Resp:	200
Ion	Ratio	Lower	Upper
42	100		
72	27.5	32.4	48.6#
71	0.0	31.3	46.9#





#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008234.D

Acq: 12 Jan 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

SB-7I(16-16.5)

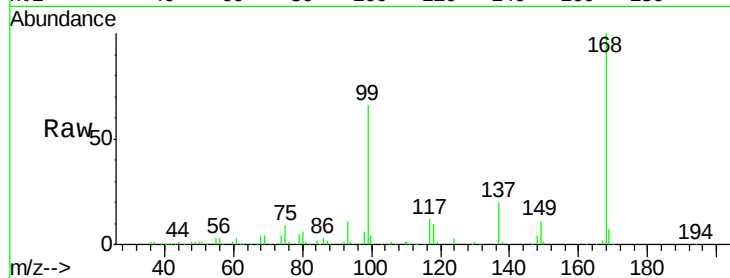
Tgt Ion: 56 Resp: 2200

Ion Ratio Lower Upper

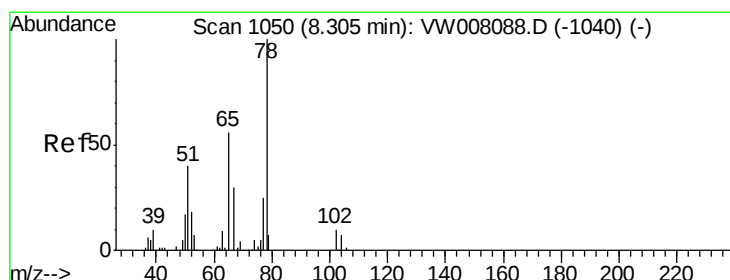
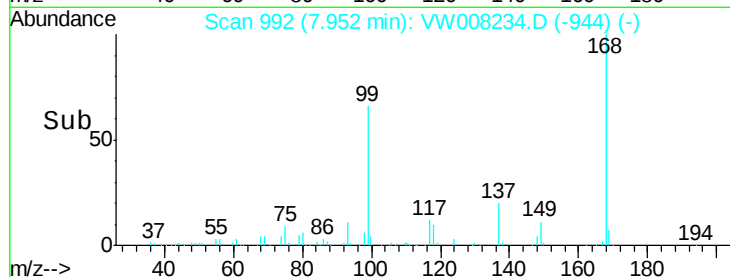
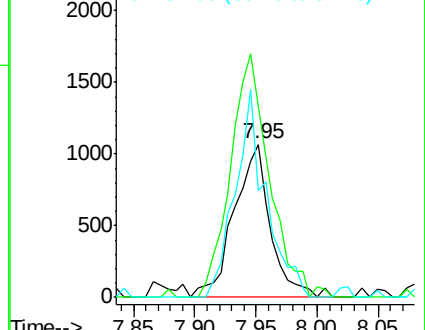
56 100

69 124.8 26.2 39.4#

84 69.7 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: 57.439 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008234.D

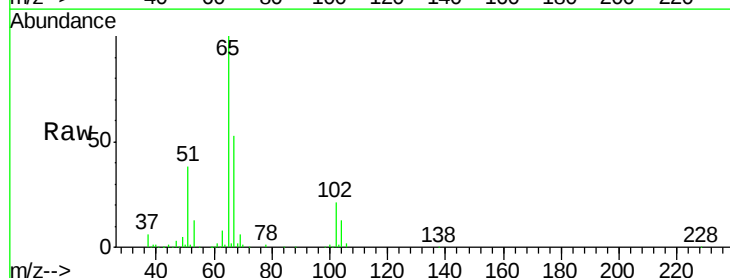
Acq: 12 Jan 2019 11:07

Tgt Ion: 65 Resp: 52377

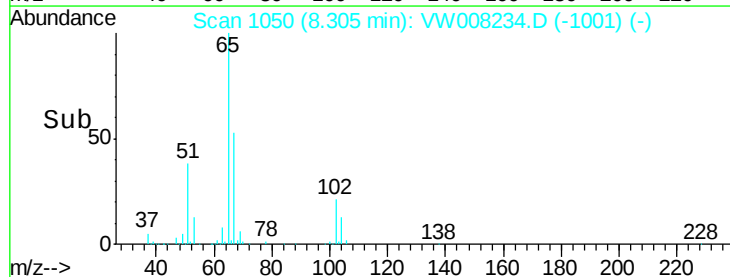
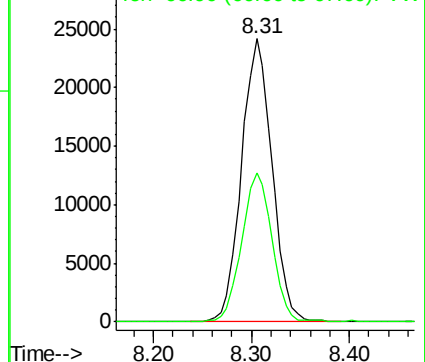
Ion Ratio Lower Upper

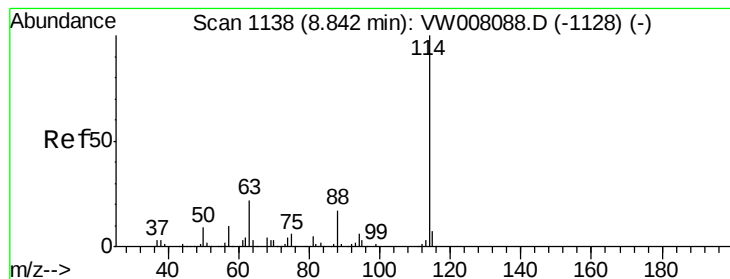
65 100

67 52.1 0.0 106.8



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: VW008234.D

Acq: 12 Jan 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

SB-7I(16-16.5)

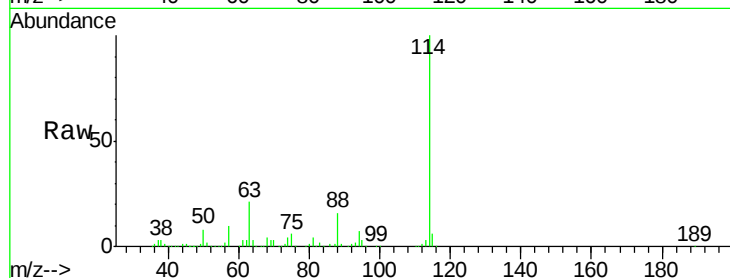
Tgt Ion:114 Resp: 153944

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.4

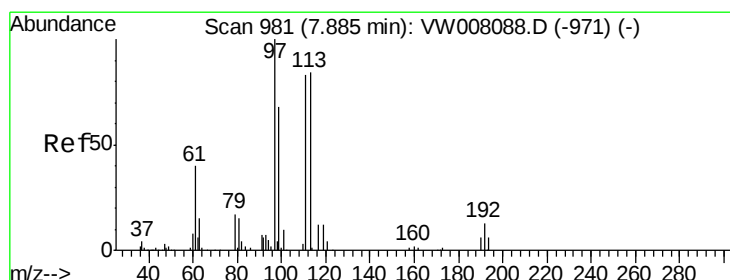
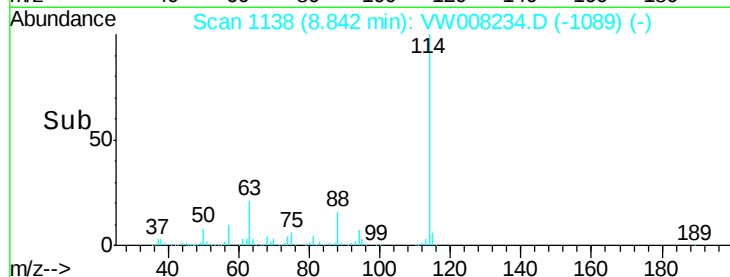
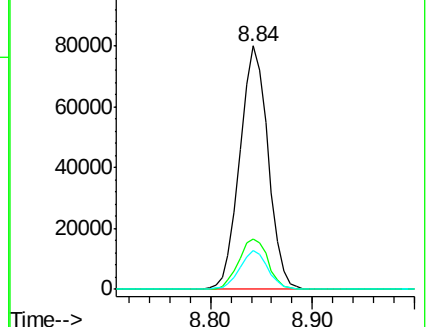
88 16.0 0.0 33.4



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: 55.226 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008234.D

Acq: 12 Jan 2019 11:07

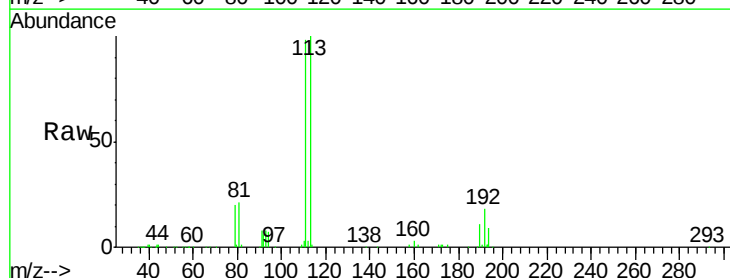
Tgt Ion:113 Resp: 49585

Ion Ratio Lower Upper

113 100

111 100.1 81.8 122.8

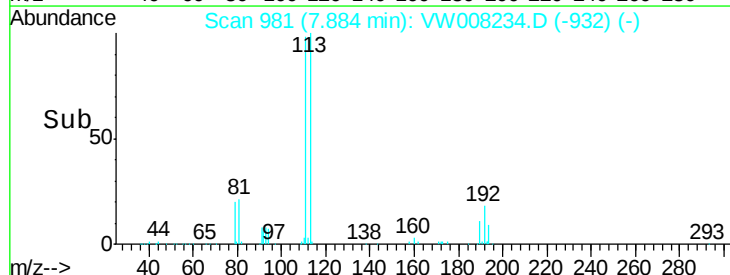
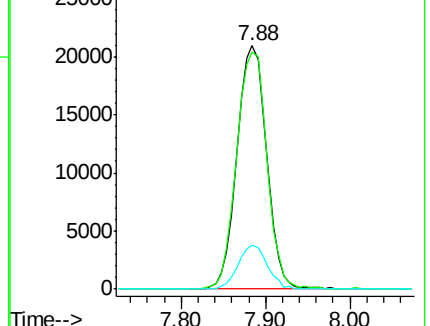
192 17.8 12.8 19.2

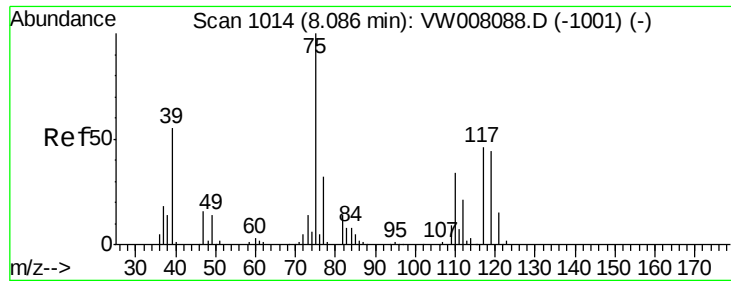


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

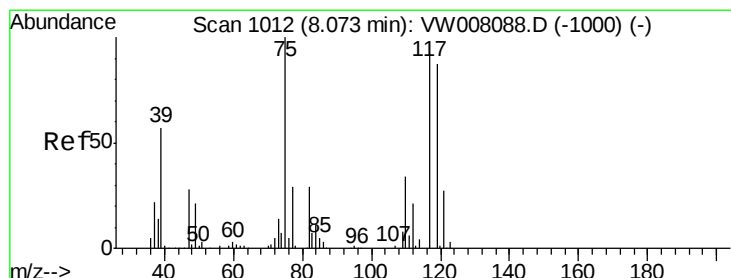
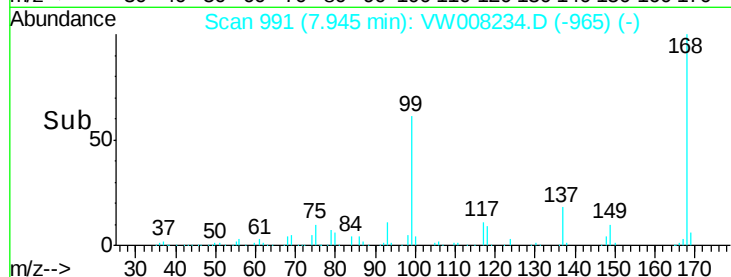
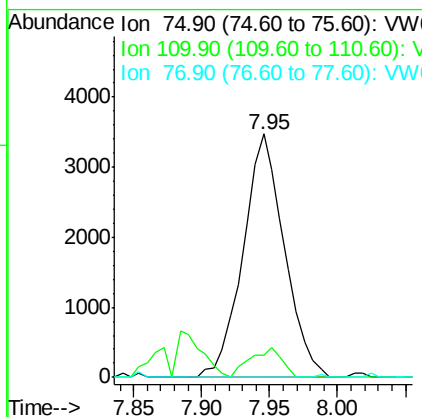
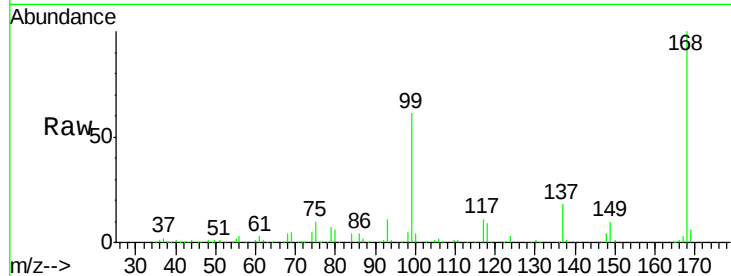




#36
 1,1-Dichloropropene
 Concen: 4.649 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008234.D
 Acq: 12 Jan 2019 11:07

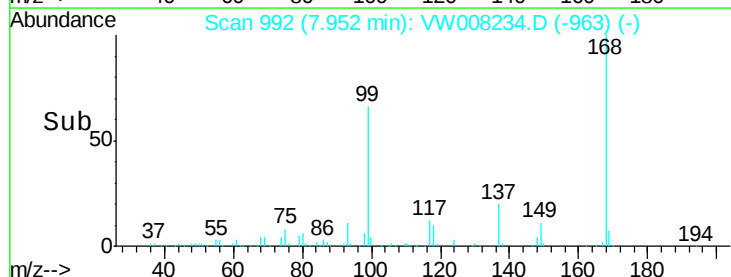
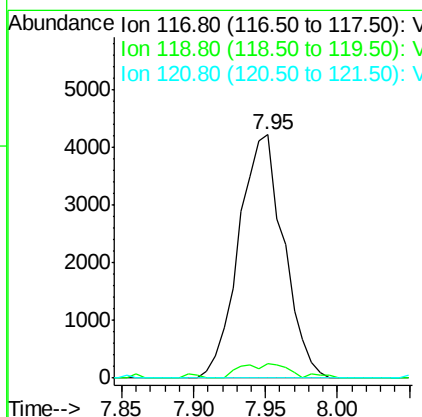
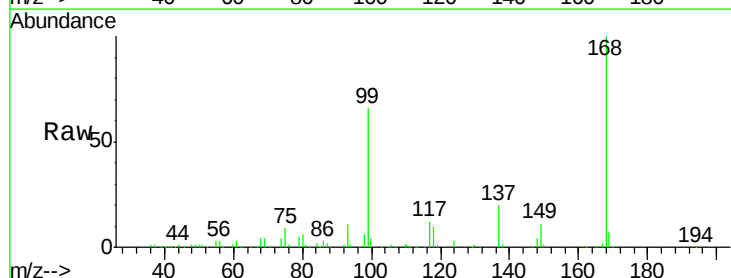
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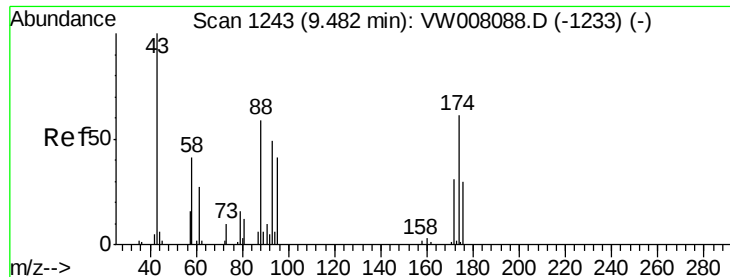
Tgt Ion: 75 Resp: 7373
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.285 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008234.D
 Acq: 12 Jan 2019 11:07

Tgt Ion: 117 Resp: 9122
 Ion Ratio Lower Upper
 117 100
 119 5.9 75.8 113.8#
 121 0.0 23.7 35.5#

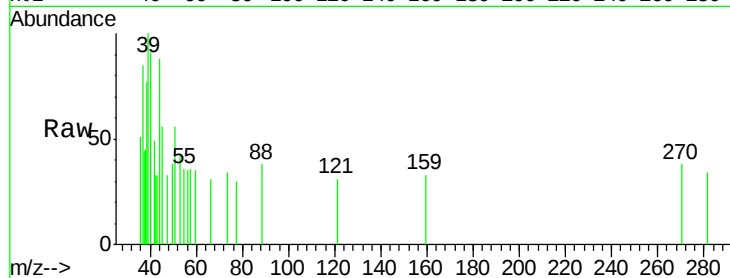




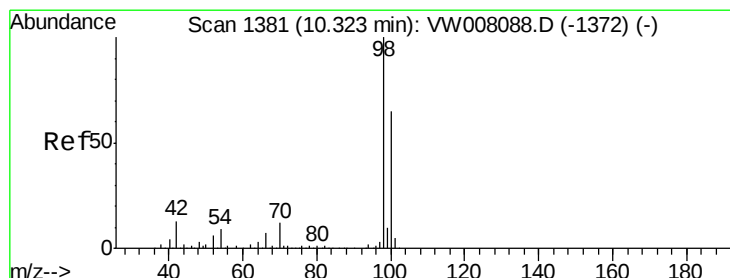
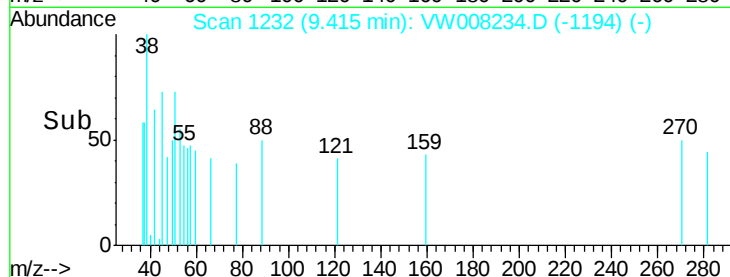
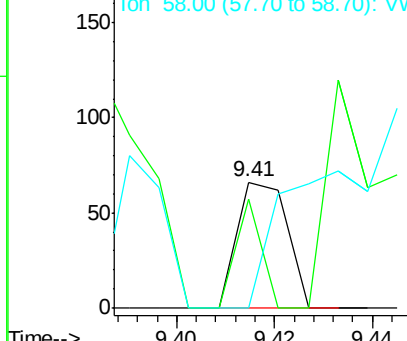
#49
1,4-Dioxane
Concen: 5.580 ug/l
RT: 9.41 min Scan# 1232
Delta R.T. -0.07 min
Lab File: VW008234.D
Acq: 12 Jan 2019 11:07

Instrument :
MSVOA_W
ClientSampled :
SB-7I(16-16.5)

Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 44.7 0.0 0.0#
58 0.0 61.7 92.5#

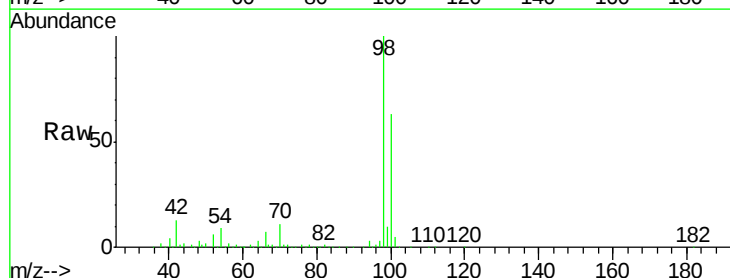


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

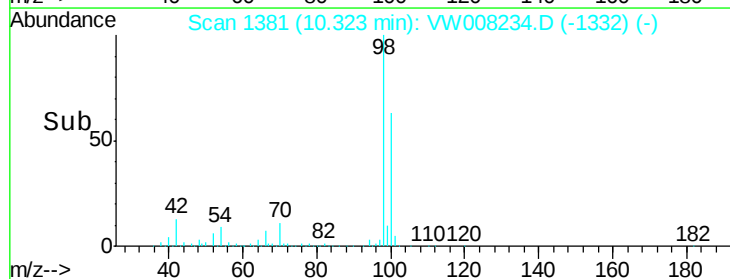
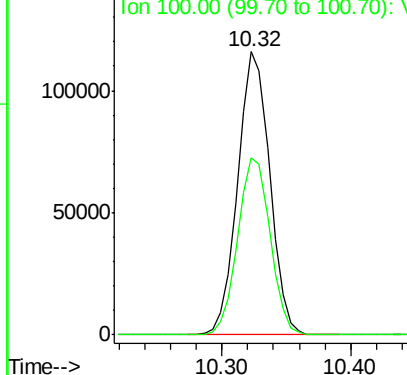


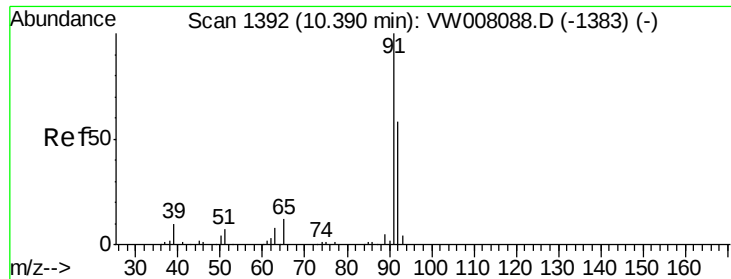
#50
Toluene-d8
Concen: 53.037 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008234.D
Acq: 12 Jan 2019 11:07

Tgt Ion: 98 Resp: 199830
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



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





#52

Toluene

Concen: 2.428 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008234.D

Acq: 12 Jan 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

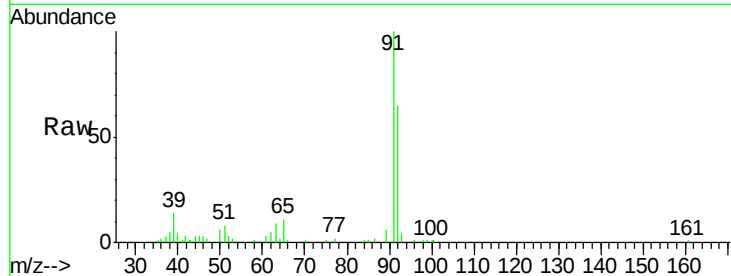
SB-7I(16-16.5)

Tgt Ion: 92 Resp: 6670

Ion Ratio Lower Upper

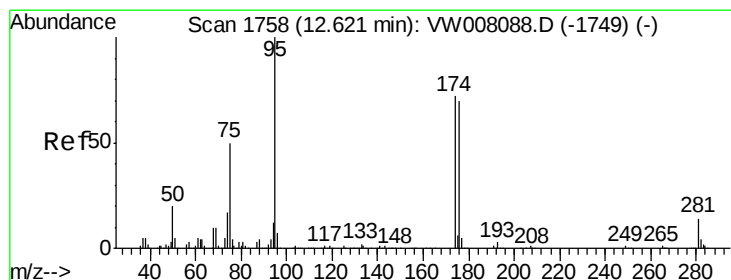
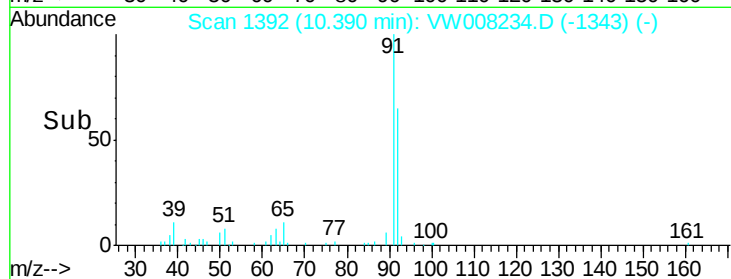
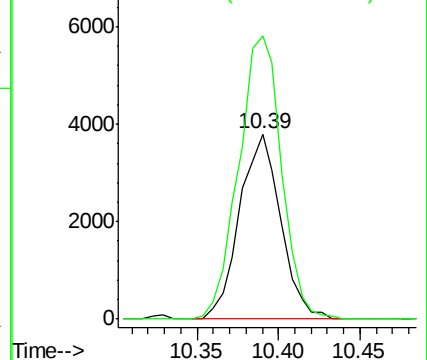
92 100

91 159.3 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 47.789 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008234.D

Acq: 12 Jan 2019 11:07

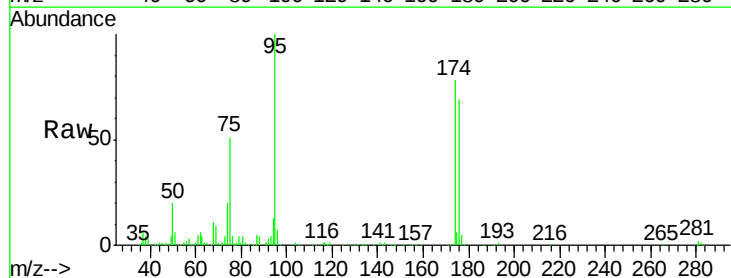
Tgt Ion: 95 Resp: 64550

Ion Ratio Lower Upper

95 100

174 75.6 0.0 143.0

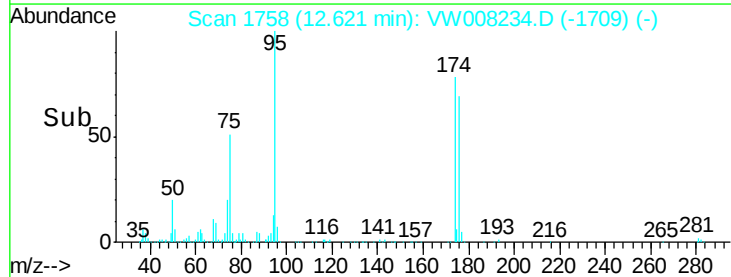
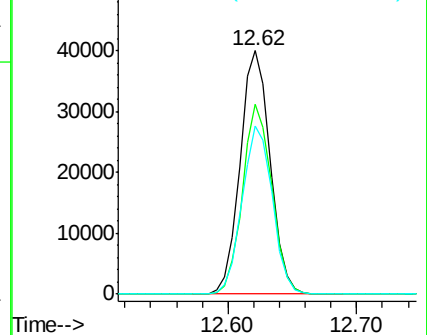
176 69.4 0.0 140.2

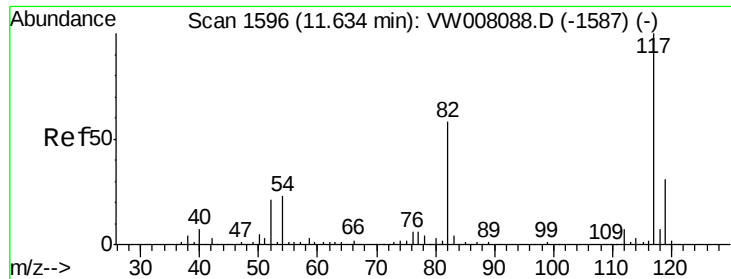


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

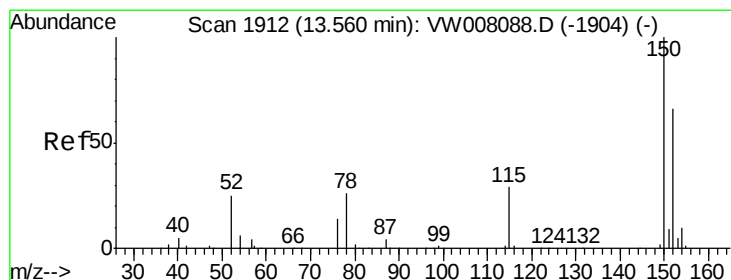
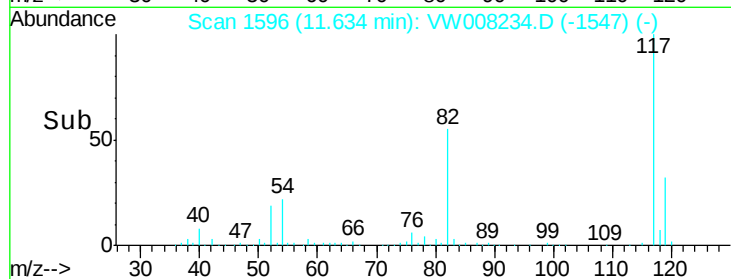
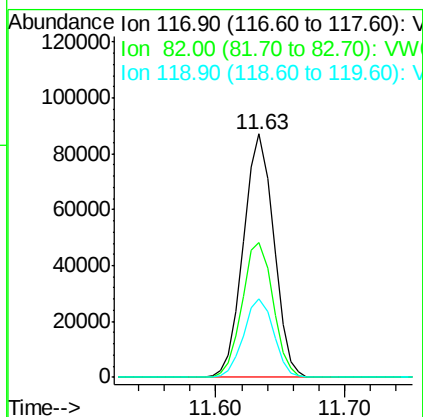
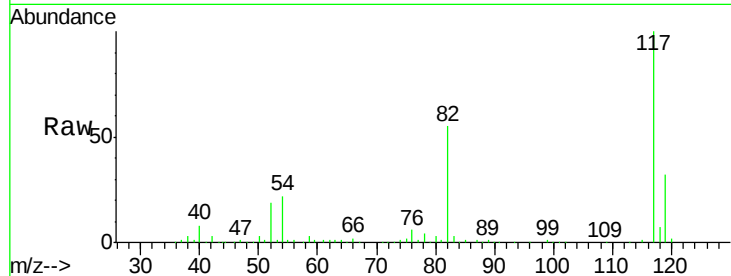




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008234.D
Acq: 12 Jan 2019 11:07

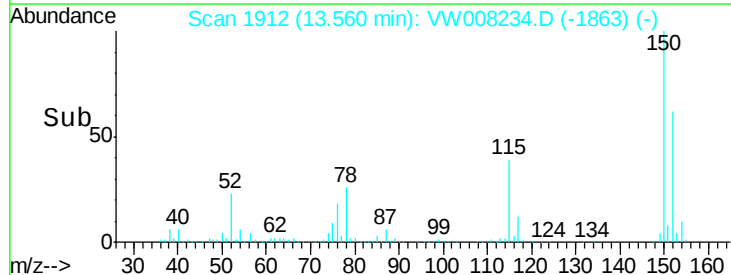
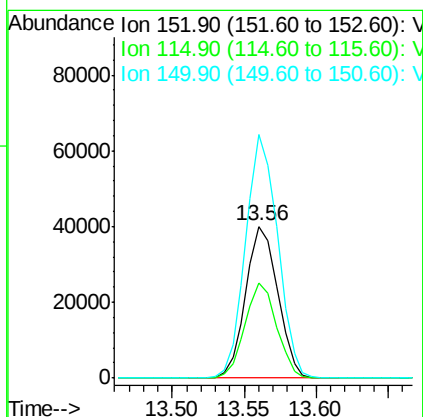
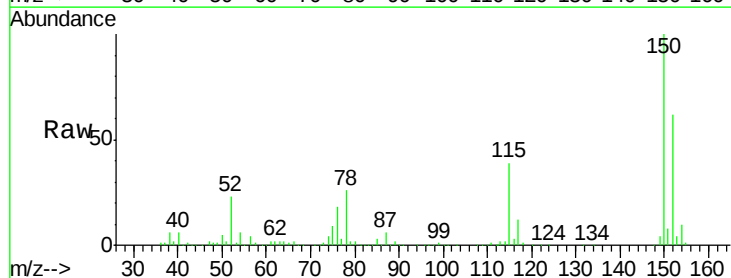
Instrument :
MSVOA_W
ClientSampleId :
SB-7I(16-16.5)

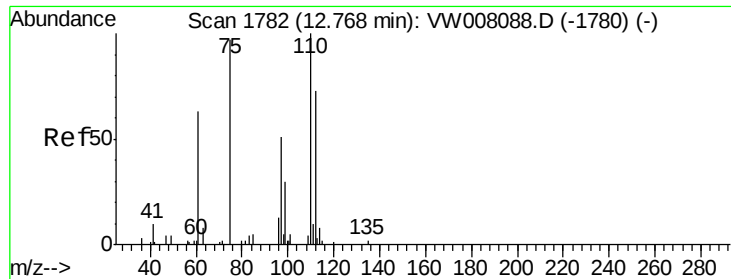
Tgt Ion:117 Resp: 141979
Ion Ratio Lower Upper
117 100
82 55.5 46.4 69.6
119 32.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008234.D
Acq: 12 Jan 2019 11:07

Tgt Ion:152 Resp: 61890
Ion Ratio Lower Upper
152 100
115 62.1 30.8 92.4
150 160.0 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 58.221 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008234.D

Acq: 12 Jan 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

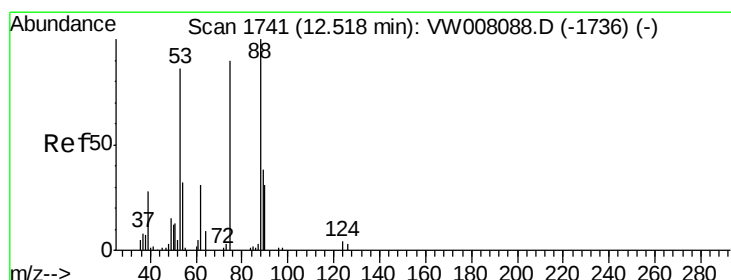
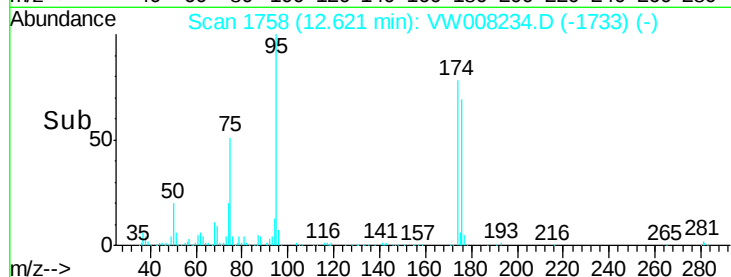
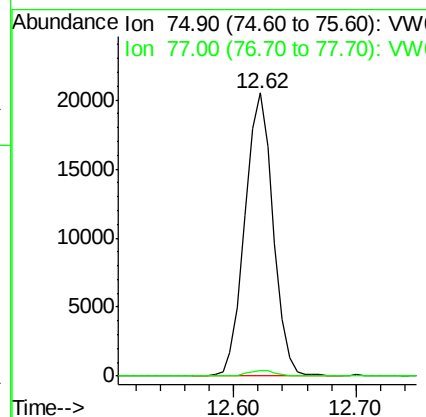
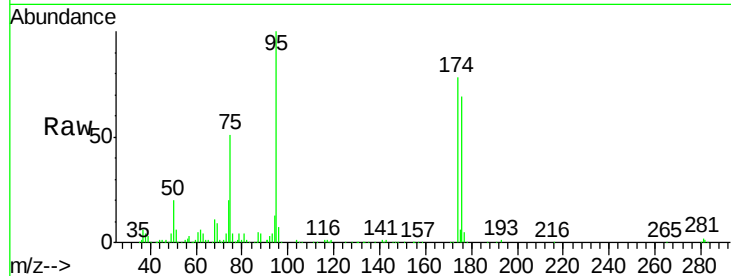
SB-7I(16-16.5)

Tgt Ion: 75 Resp: 32848

Ion Ratio Lower Upper

75 100

77 1.7 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.579 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008234.D

Acq: 12 Jan 2019 11:07

Tgt Ion: 75 Resp: 32848

Ion Ratio Lower Upper

75 100

53 0.6 78.8 118.2#

89 0.1 35.4 53.2#

