

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011119\
 Data File : VW008224.D
 Acq On : 12 Jan 2019 06:41
 Operator : SY/VA
 Sample : K1011-03RE
 Misc : 6.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-011019-BRE

Quant Time: Jan 14 10:29:14 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

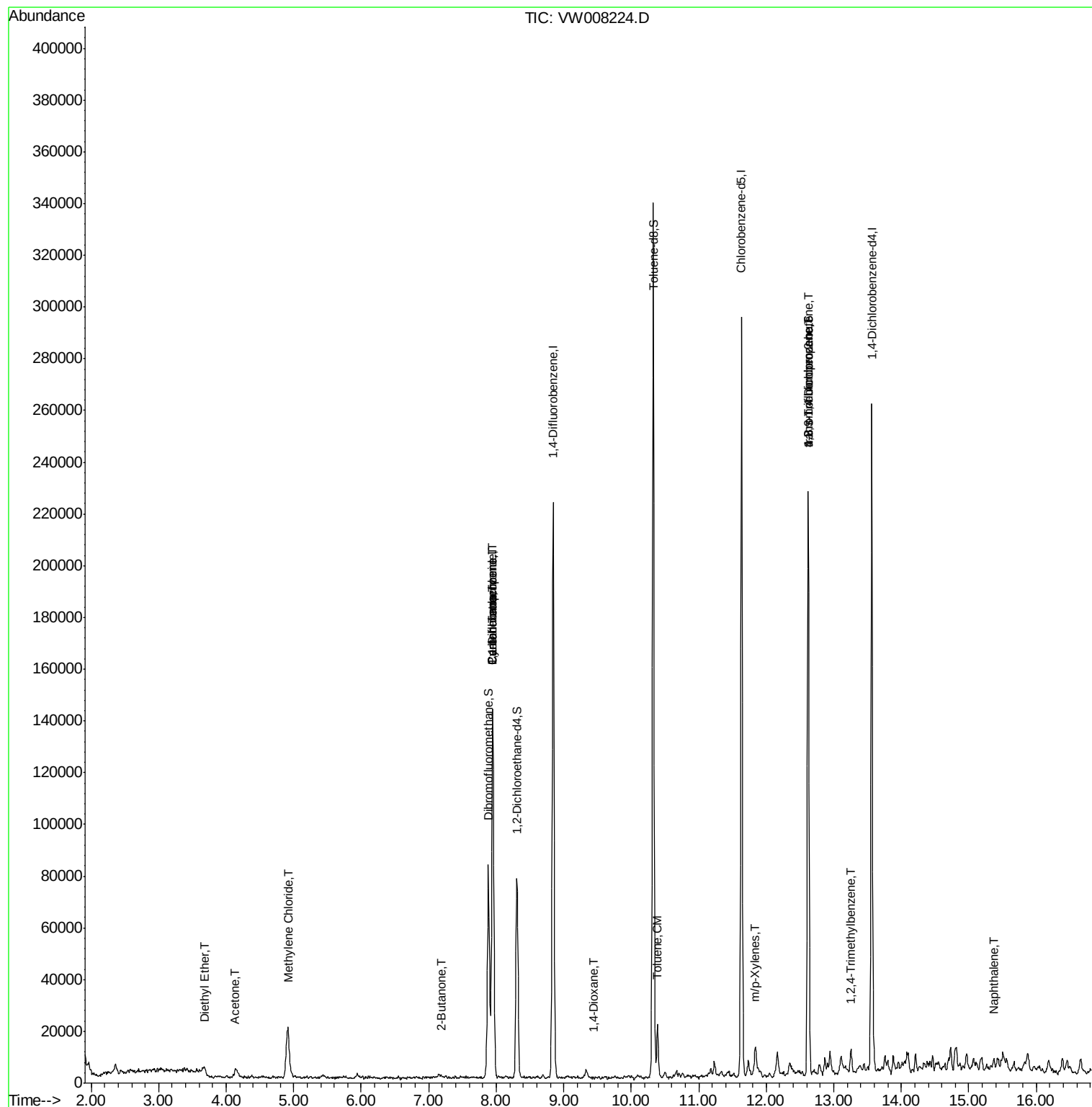
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	108577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	185874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	160952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67475	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58084	47.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.20%	
35) Dibromofluoromethane	7.88	113	57544	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
50) Toluene-d8	10.32	98	220990	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.62	95	72258	44.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.62%	
Target Compounds						
8) Diethyl Ether	3.68	74	2035	2.951	ug/l	77
11) Tert butyl alcohol	5.24	59	288	Below Cal	#	100
13) Acrolein	3.87	56	66	Below Cal	#	1
16) Acetone	4.14	43	7756	15.522	ug/l	89
20) Methylene Chloride	4.92	84	15189	8.667	ug/l #	94
25) 2-Butanone	7.18	43	461	1.358	ug/l #	49
31) Cyclohexane	7.94	56	2808	1.093	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	8489	4.434	ug/l #	49
38) Carbon Tetrachloride	7.95	117	10737	6.127	ug/l #	15
49) 1,4-Dioxane	9.44	88	53	5.211	ug/l #	67
52) Toluene	10.39	92	8569	2.584	ug/l	99
68) m/p-Xylenes	11.84	106	3211	1.348	ug/l	82
76) 1,2,3-Trichloropropane	12.62	75	35882	58.334	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	35882	135.843	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	4721	1.051	ug/l	95
95) Naphthalene	15.38	128	3232	1.306	ug/l #	93

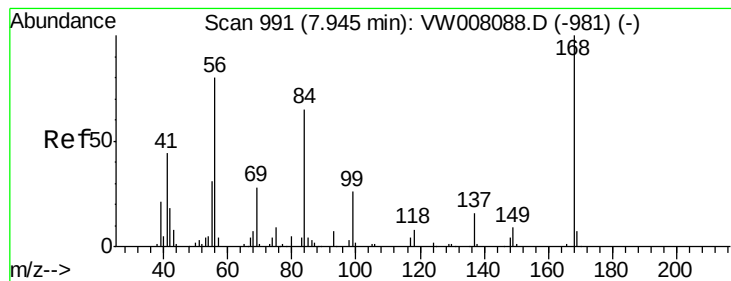
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008224.D

Acq: 12 Jan 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

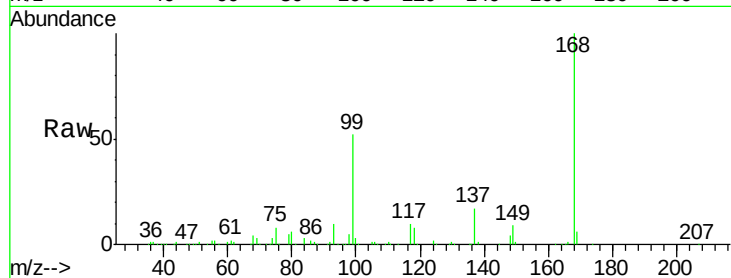
OR-02-011019-BRE

Tgt Ion:168 Resp: 108577

Ion Ratio Lower Upper

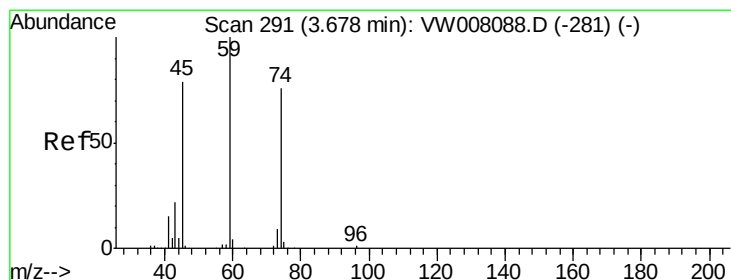
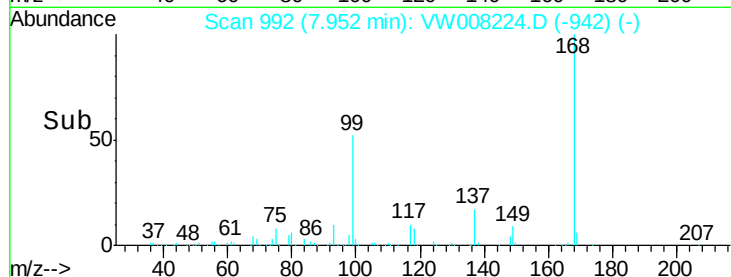
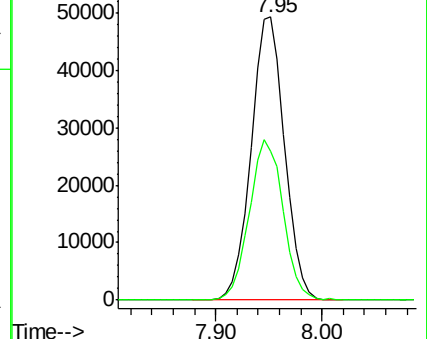
168 100

99 52.4 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: 2.951 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW008224.D

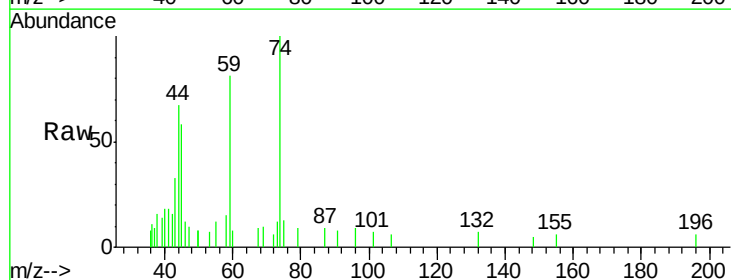
Acq: 12 Jan 2019 06:41

Tgt Ion: 74 Resp: 2035

Ion Ratio Lower Upper

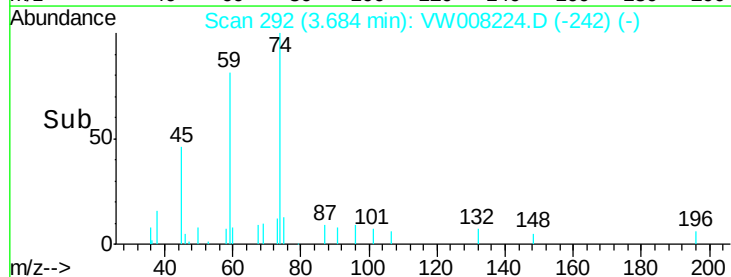
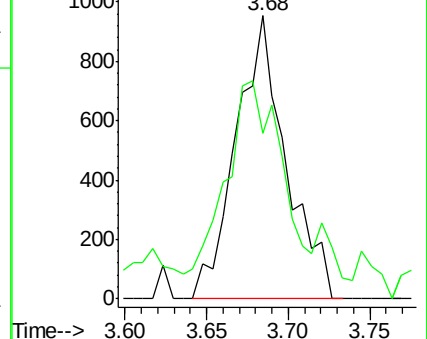
74 100

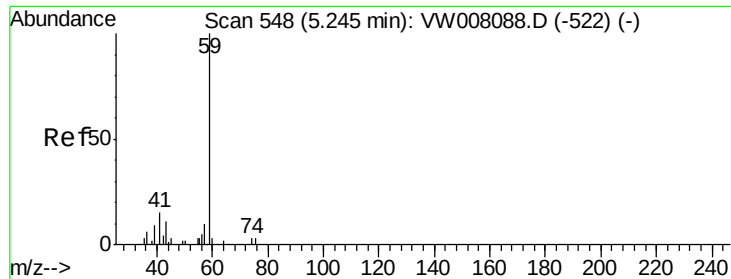
45 81.1 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

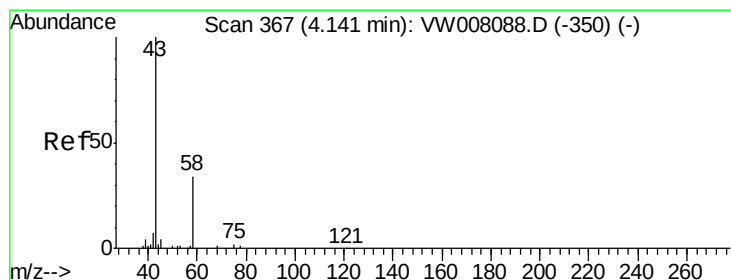
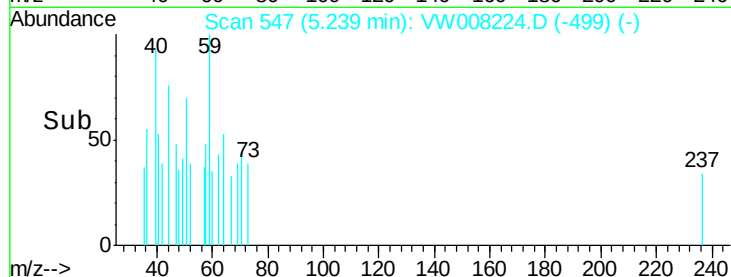
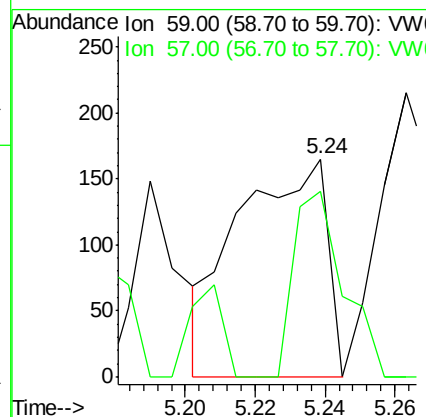
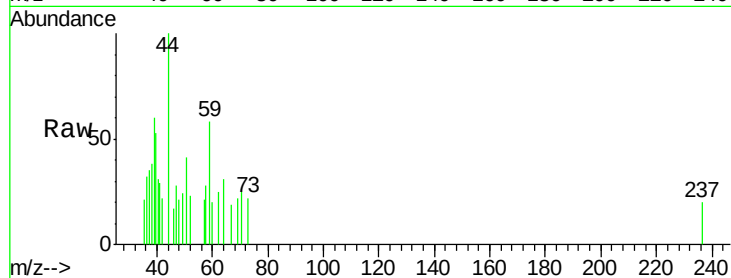




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW008224.D
Acq: 12 Jan 2019 06:41

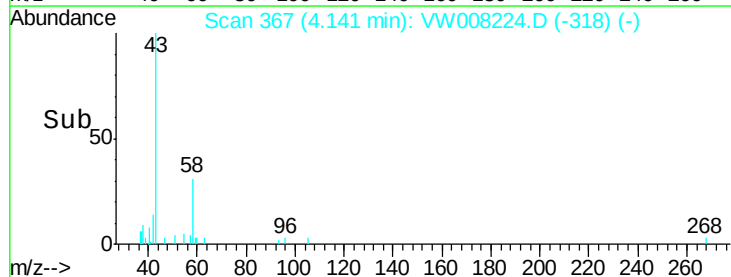
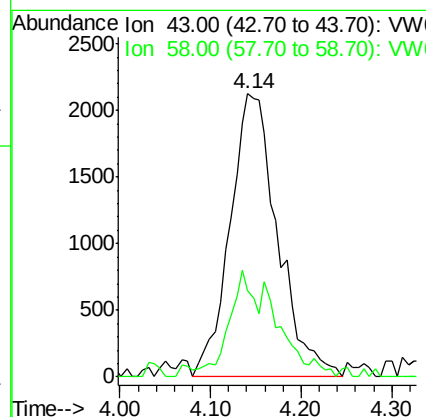
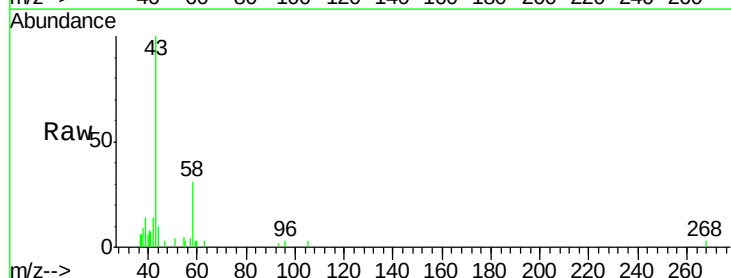
Instrument :
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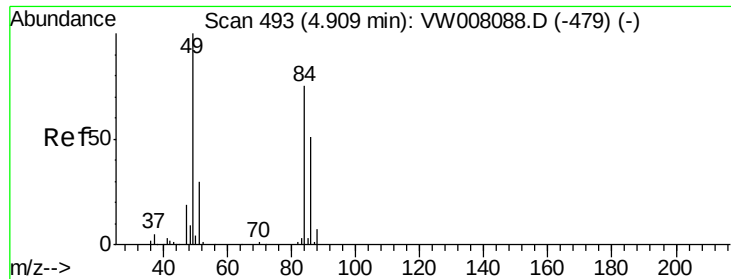
Tgt Ion: 59 Resp: 288
Ion Ratio Lower Upper
59 100
57 48.6 0.0 0.0#



#16
Acetone
Concen: 15.522 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.00 min
Lab File: VW008224.D
Acq: 12 Jan 2019 06:41

Tgt Ion: 43 Resp: 7756
Ion Ratio Lower Upper
43 100
58 27.9 27.5 41.3

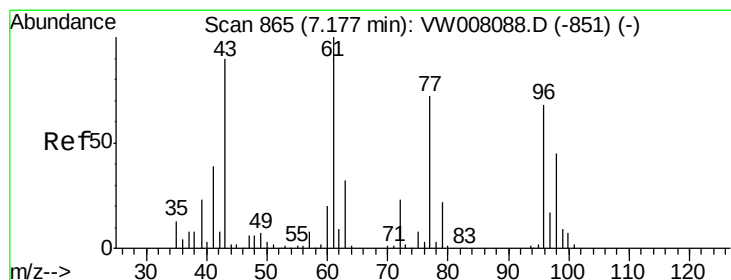
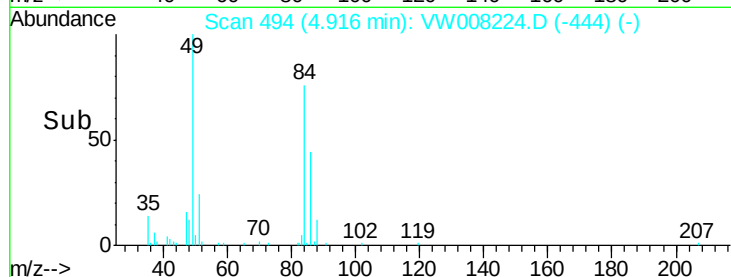
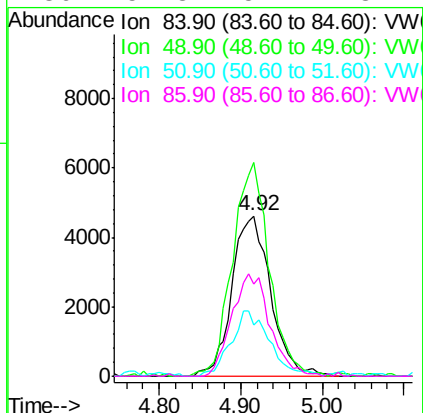
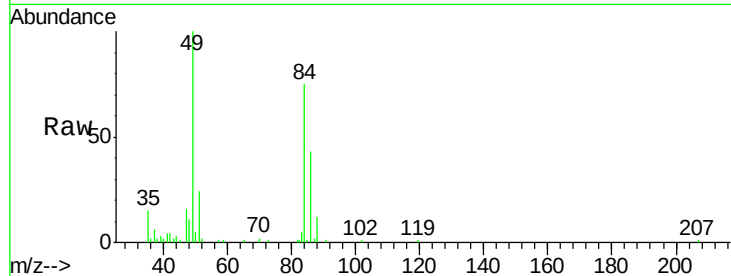




#20
Methylene Chloride
Concen: 8.667 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008224.D
Acq: 12 Jan 2019 06:41

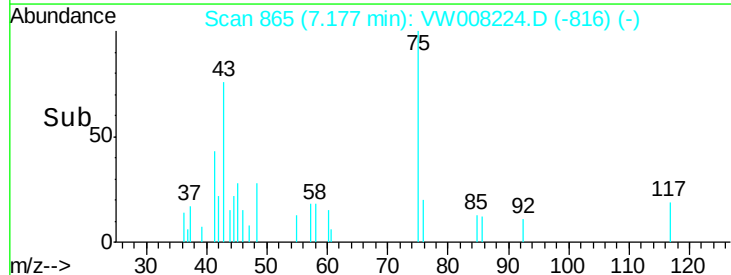
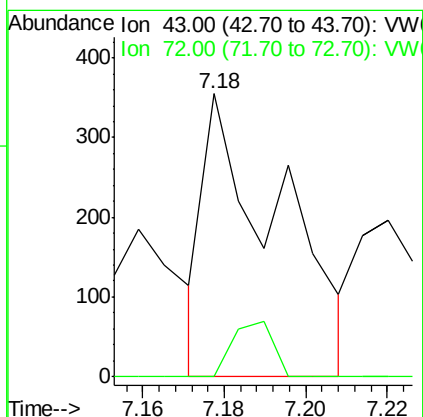
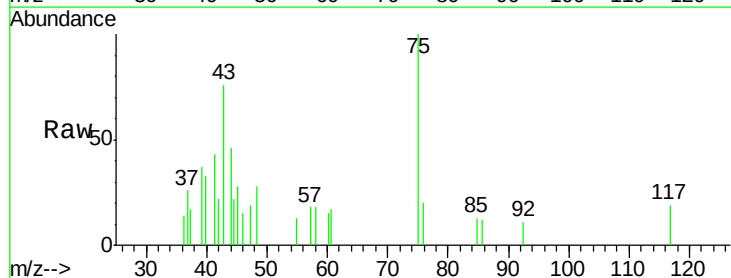
Instrument :
MSVOA_W
ClientSampleId :
OR-02-011019-BRE

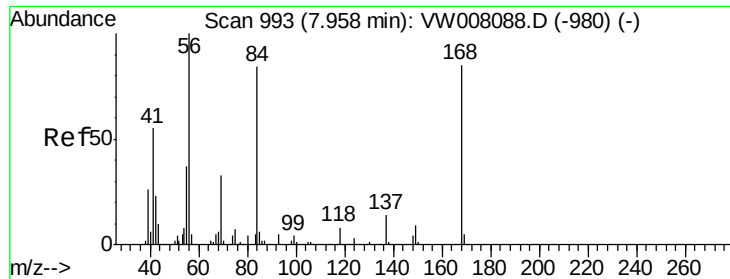
Tgt Ion: 84 Resp: 15189
Ion Ratio Lower Upper
84 100
49 133.4 107.1 160.7
51 32.1 32.4 48.6#
86 57.3 54.2 81.4



#25
2-Butanone
Concen: 1.358 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW008224.D
Acq: 12 Jan 2019 06:41

Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

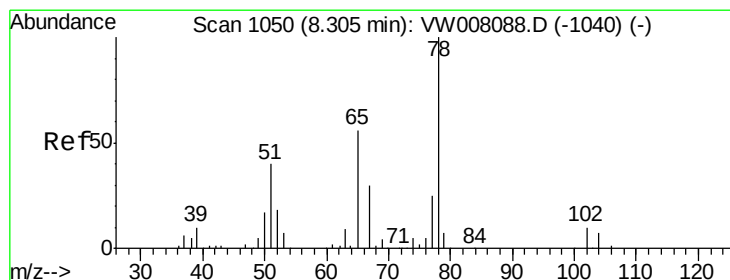
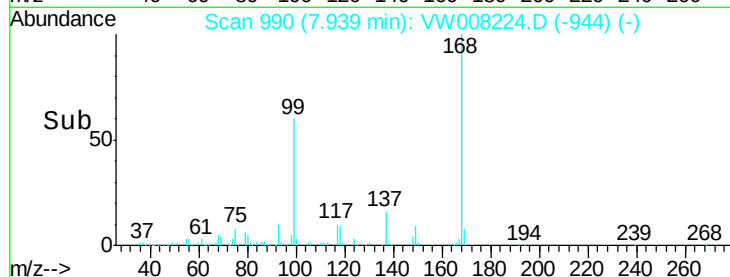
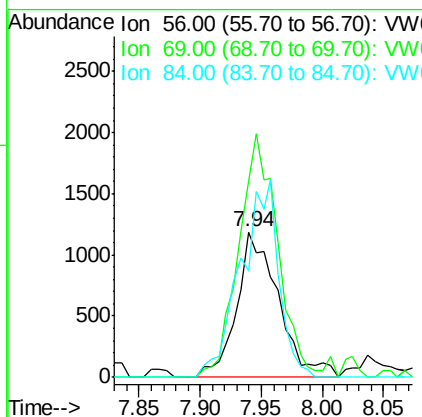
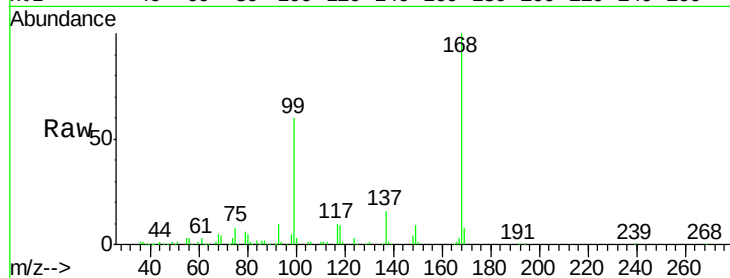




#31
Cyclohexane
Concen: 1.093 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW008224.D
Acq: 12 Jan 2019 06:41

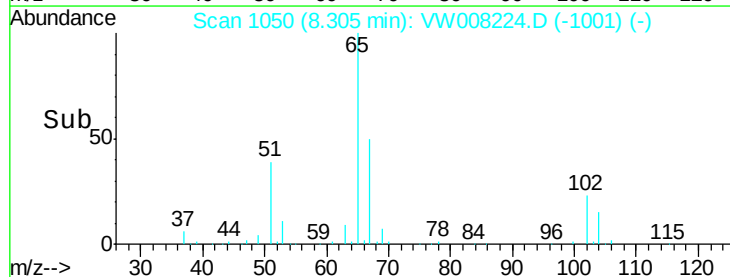
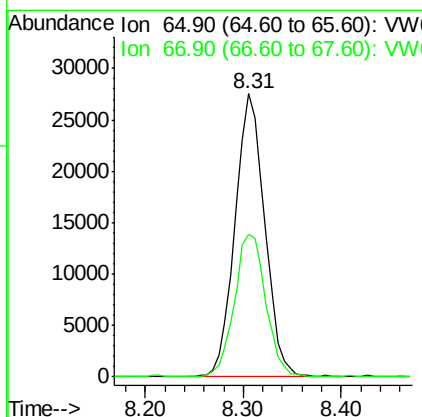
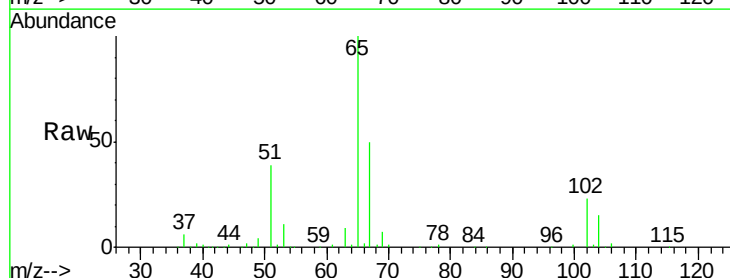
Instrument :
MSVOA_W
ClientSampleId :
OR-02-011019-BRE

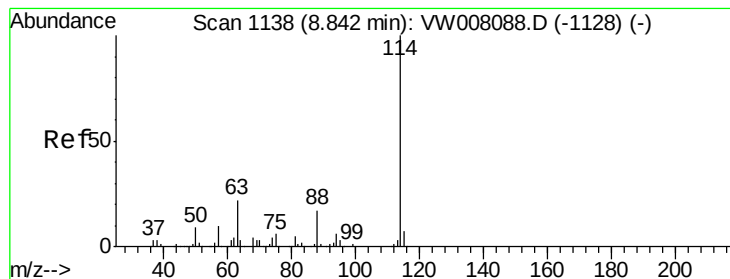
Tgt Ion: 56 Resp: 2808
Ion Ratio Lower Upper
56 100
69 134.6 26.2 39.4#
84 72.8 67.4 101.2



#33
1,2-Dichloroethane-d4
Concen: 47.598 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008224.D
Acq: 12 Jan 2019 06:41

Tgt Ion: 65 Resp: 58084
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008224.D

Acq: 12 Jan 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

OR-02-011019-BRE

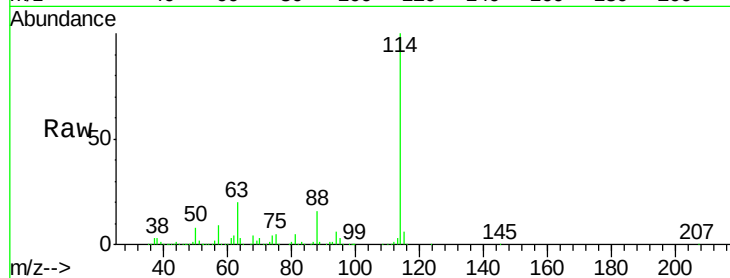
Tgt Ion:114 Resp: 185874

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.4

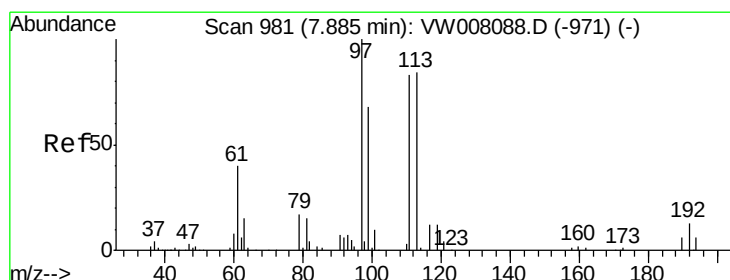
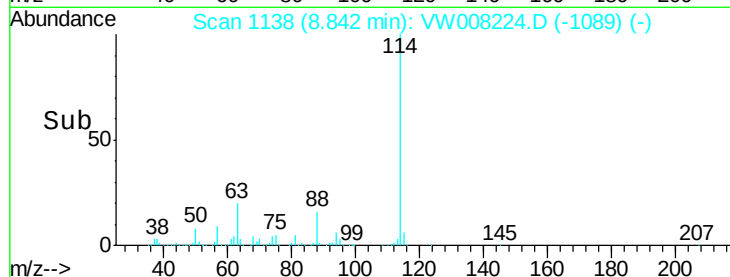
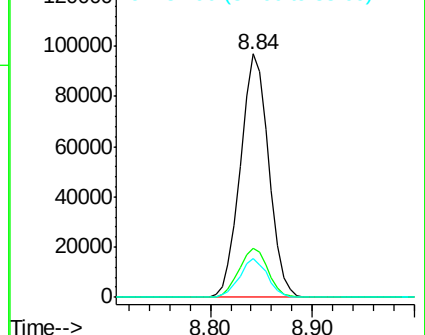
88 15.8 0.0 33.4



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: 53.081 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008224.D

Acq: 12 Jan 2019 06:41

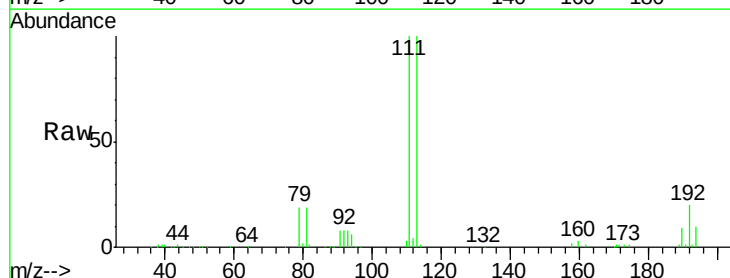
Tgt Ion:113 Resp: 57544

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

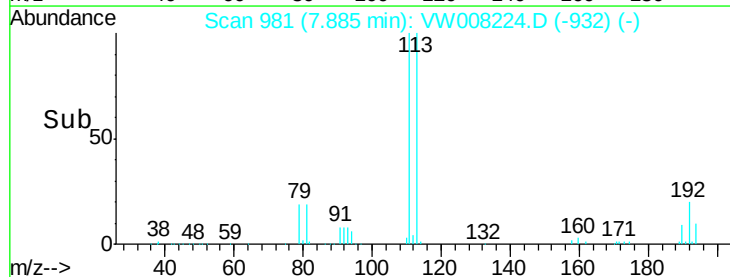
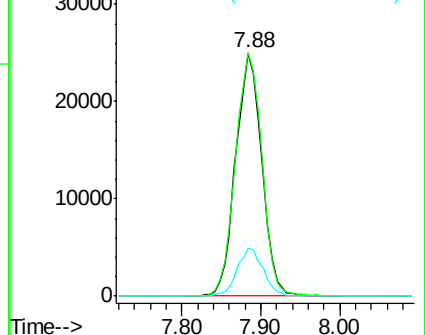
192 19.6 12.8 19.2#

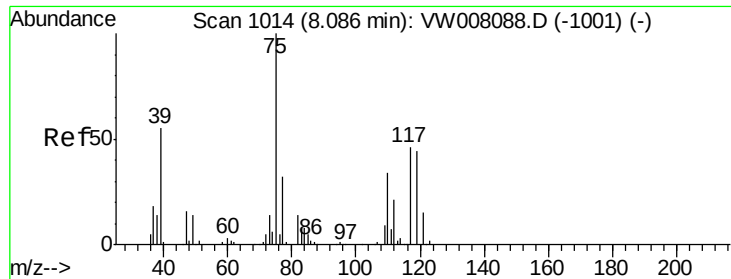


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

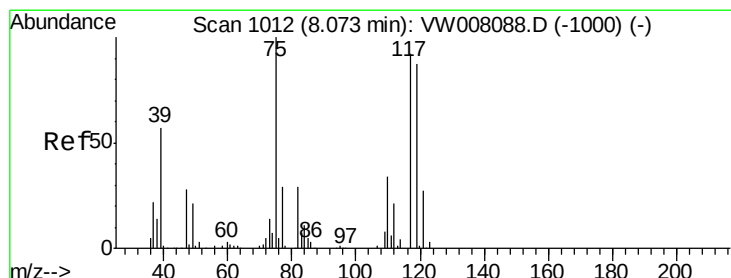
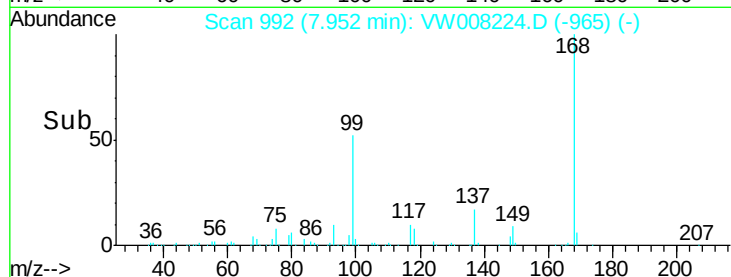
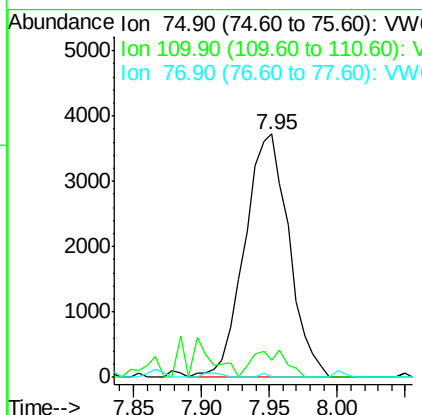
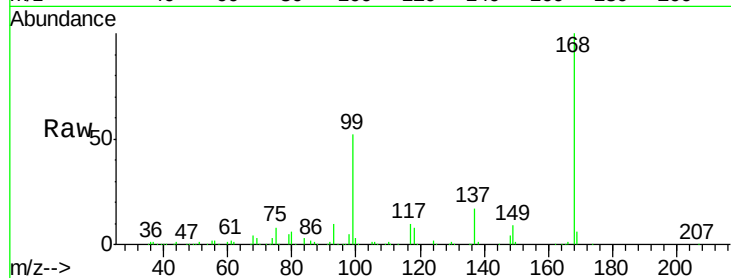




#36
 1,1-Dichloropropene
 Concen: 4.434 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008224.D
 Acq: 12 Jan 2019 06:41

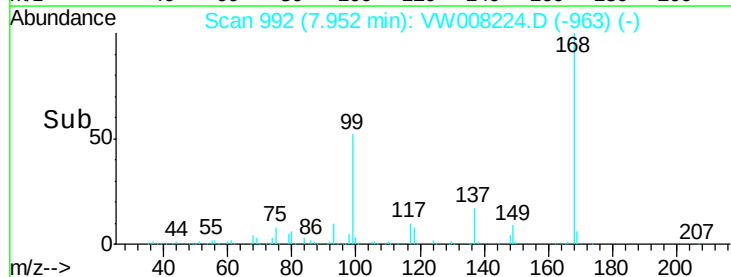
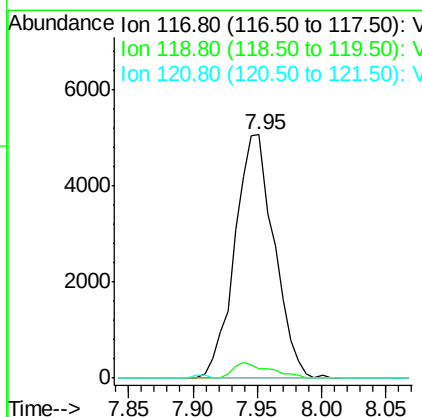
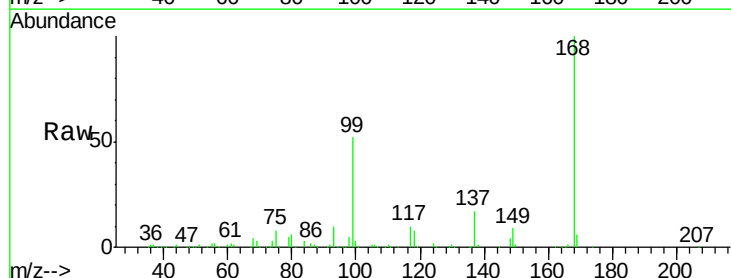
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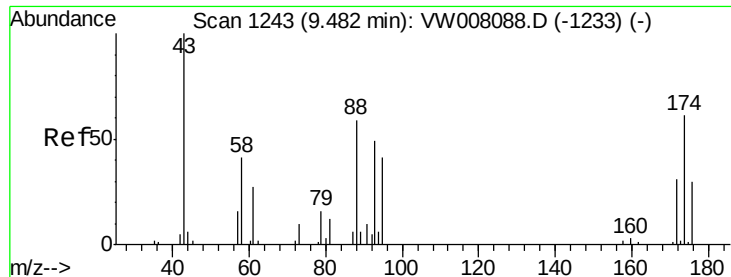
Tgt Ion: 75 Resp: 8489
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.1 51.3#
 77 0.3 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.127 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008224.D
 Acq: 12 Jan 2019 06:41

Tgt Ion: 117 Resp: 10737
 Ion Ratio Lower Upper
 117 100
 119 3.8 75.8 113.8#
 121 0.0 23.7 35.5#





#49

1,4-Dioxane

Concen: 5.211 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.04 min

Lab File: VW008224.D

Acq: 12 Jan 2019 06:41

Instrument :
MSVOA_W
ClientSampleId :
OR-02-011019-BRE

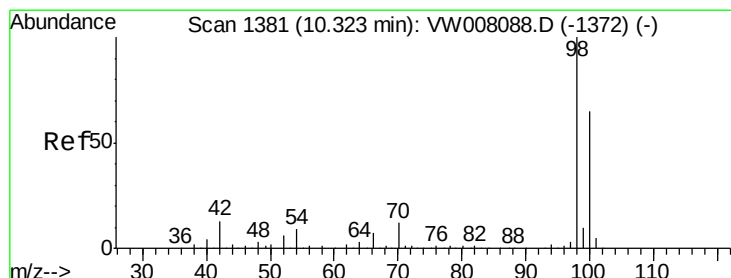
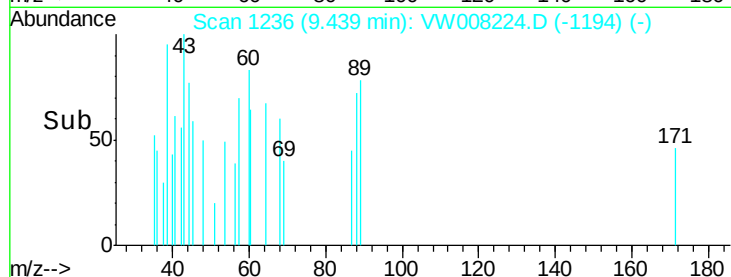
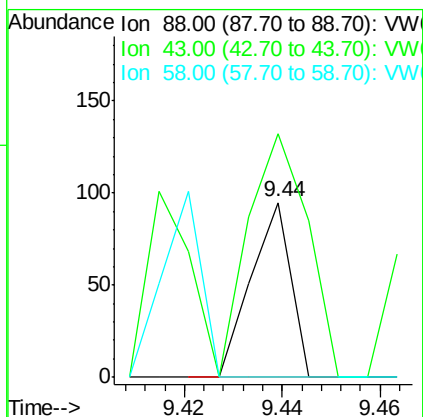
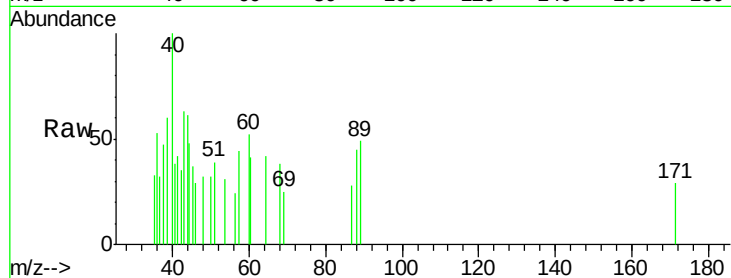
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 209.4 0.0 0.0#

58 105.7 61.7 92.5#



#50

Toluene-d8

Concen: 48.577 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008224.D

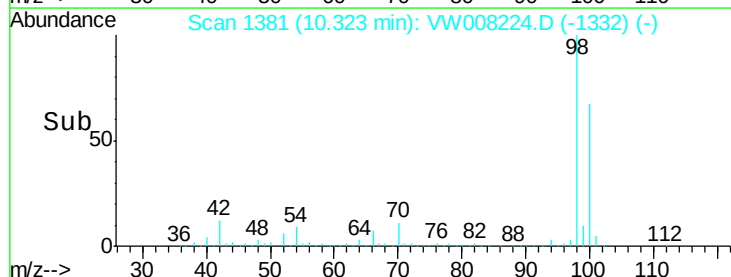
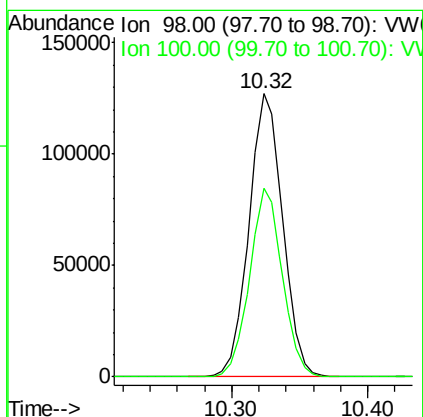
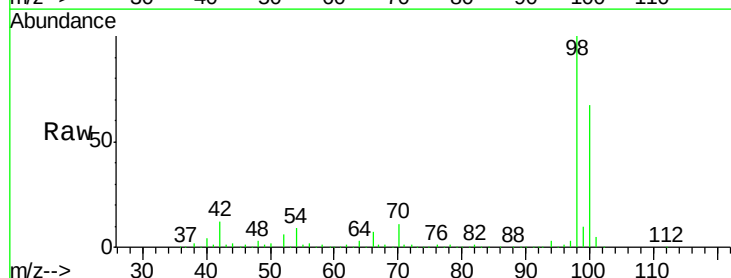
Acq: 12 Jan 2019 06:41

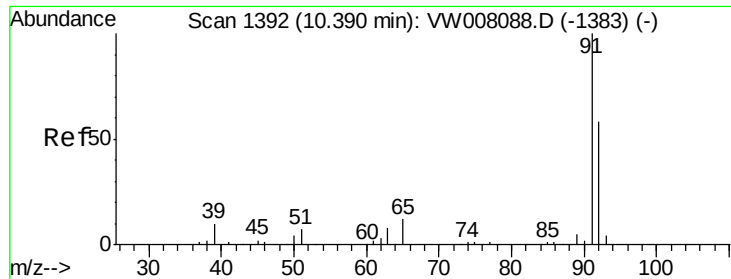
Tgt Ion: 98 Resp: 220990

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5





#52

Toluene

Concen: 2.584 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008224.D

Acq: 12 Jan 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

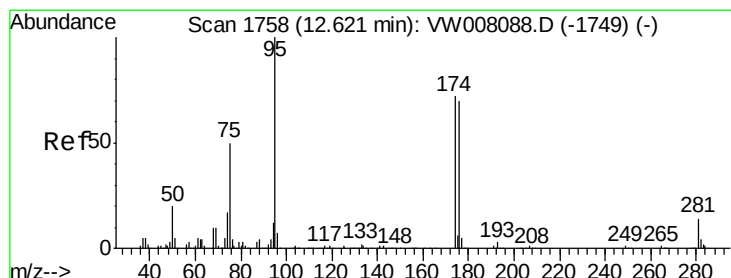
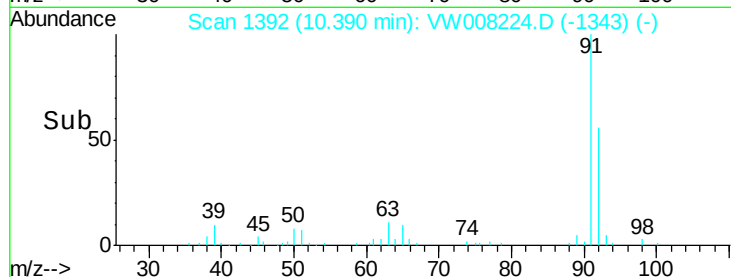
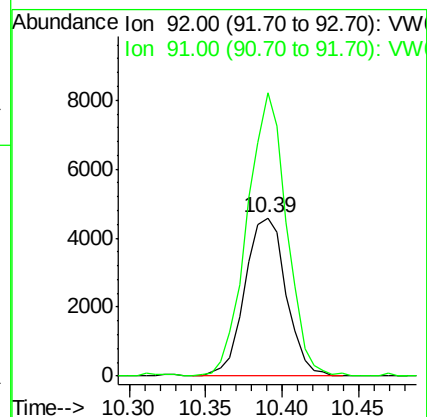
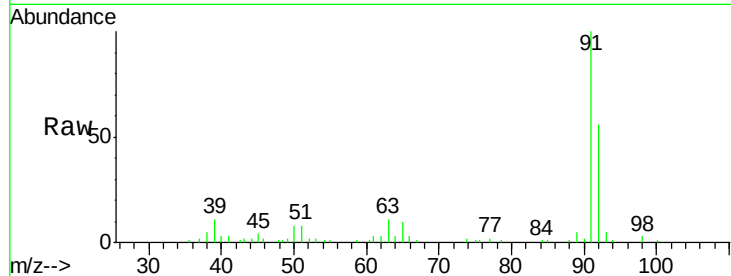
OR-02-011019-BRE

Tgt Ion: 92 Resp: 8569

Ion Ratio Lower Upper

92 100

91 172.3 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 44.306 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008224.D

Acq: 12 Jan 2019 06:41

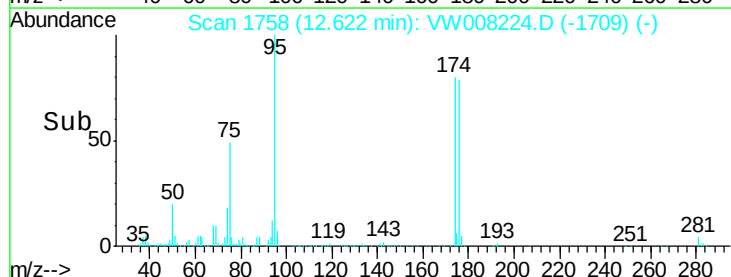
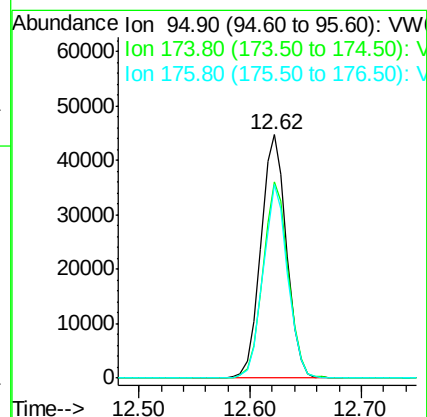
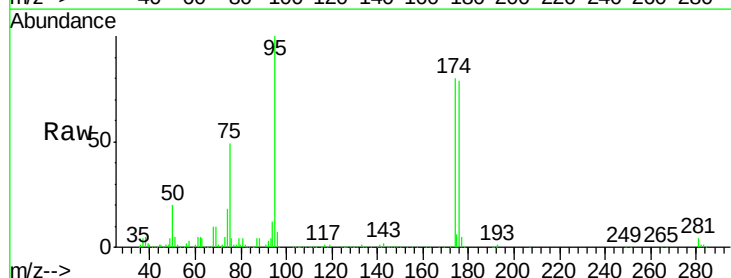
Tgt Ion: 95 Resp: 72258

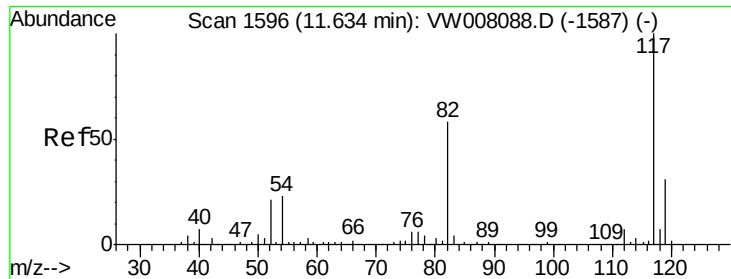
Ion Ratio Lower Upper

95 100

174 79.1 0.0 143.0

176 75.9 0.0 140.2

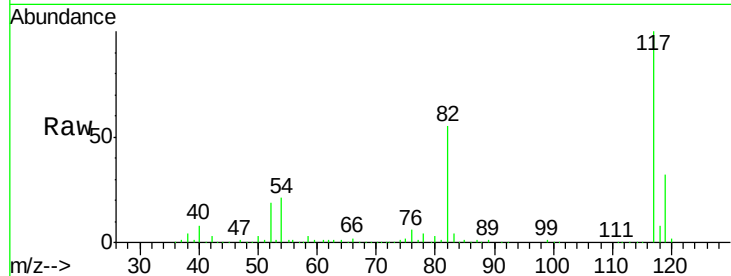




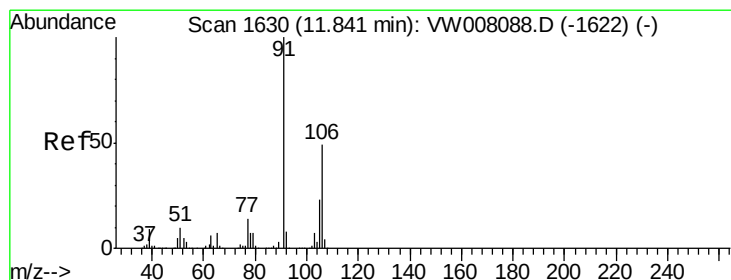
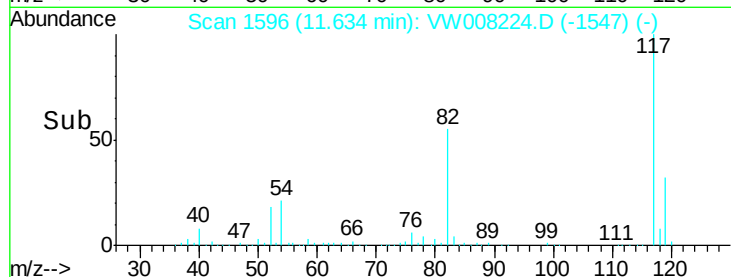
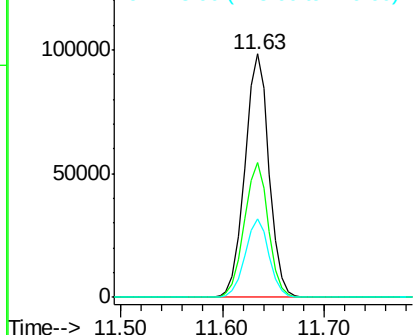
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008224.D
Acq: 12 Jan 2019 06:41

Instrument :
MSVOA_W
ClientSampleId :
OR-02-011019-BRE

Tgt Ion:117 Resp: 160952
Ion Ratio Lower Upper
117 100
82 55.3 46.4 69.6
119 32.4 24.7 37.1

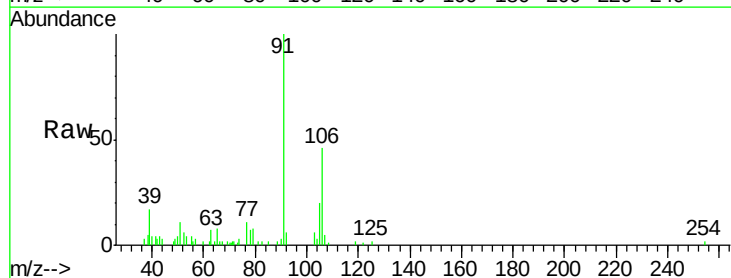


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

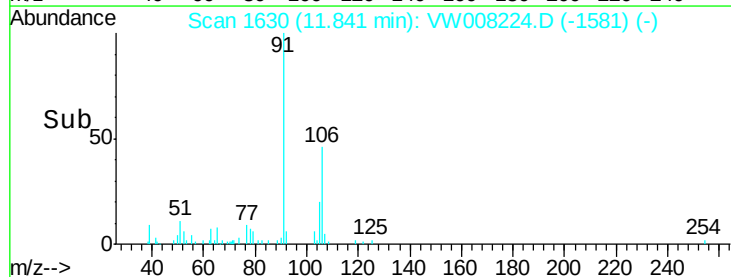
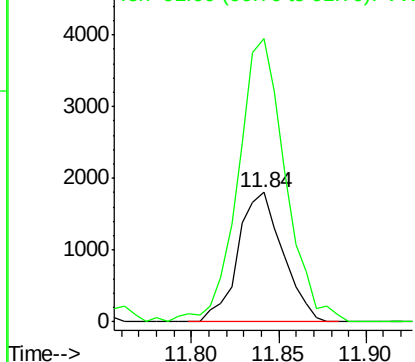


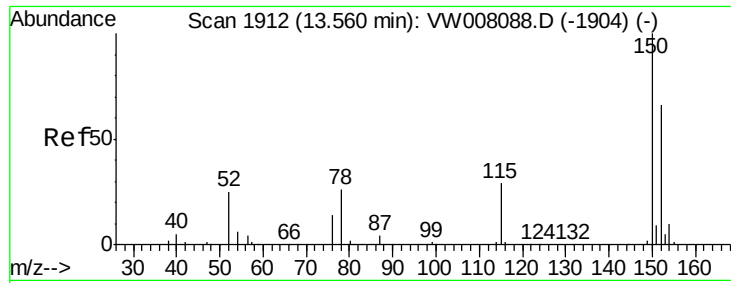
#68
m/p-Xylenes
Concen: 1.348 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008224.D
Acq: 12 Jan 2019 06:41

Tgt Ion:106 Resp: 3211
Ion Ratio Lower Upper
106 100
91 230.5 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

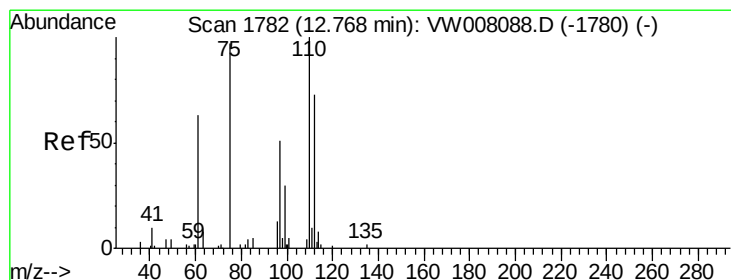
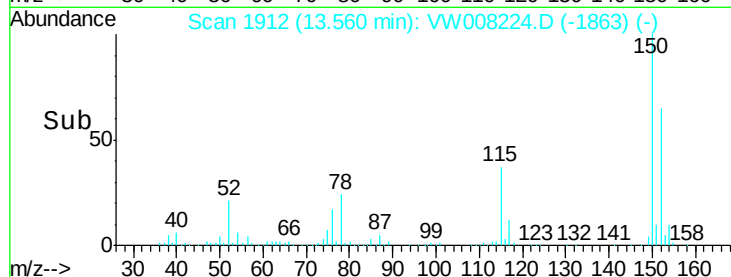
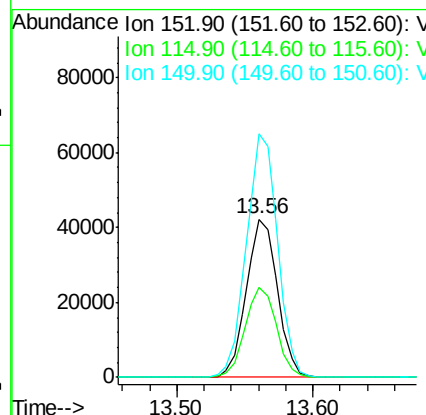
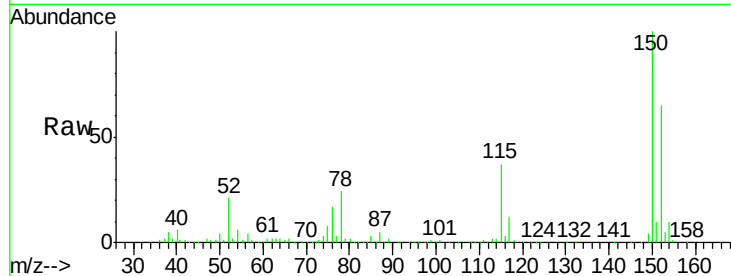




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008224.D
 Acq: 12 Jan 2019 06:41

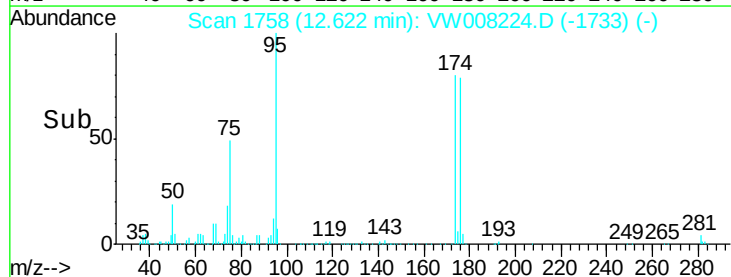
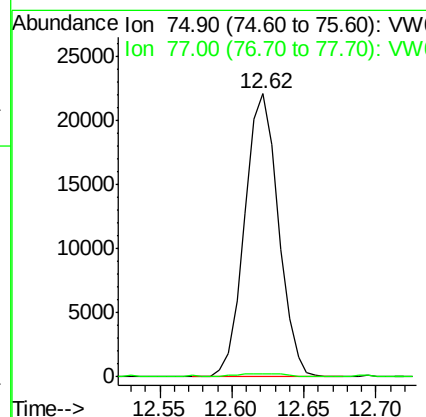
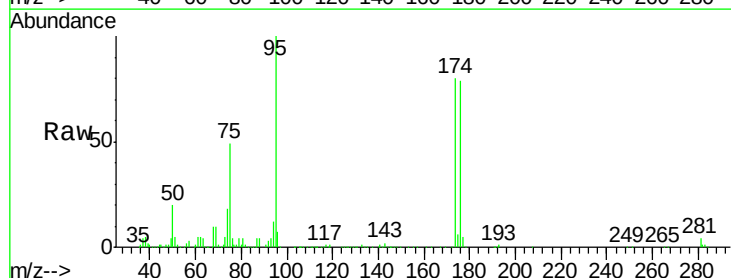
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-011019-BRE

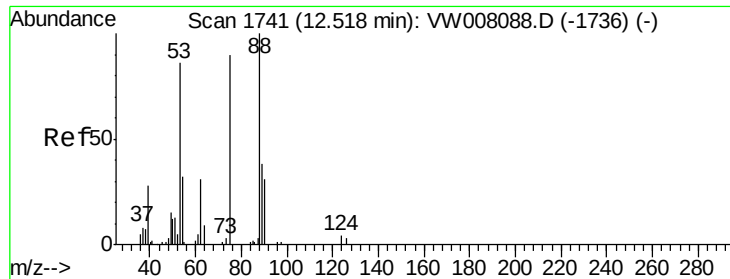
Tgt Ion:152 Resp: 67475
 Ion Ratio Lower Upper
 152 100
 115 57.8 30.8 92.4
 150 154.9 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 58.334 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008224.D
 Acq: 12 Jan 2019 06:41

Tgt Ion: 75 Resp: 35882
 Ion Ratio Lower Upper
 75 100
 77 1.7 179.4 538.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 135.843 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008224.D

Acq: 12 Jan 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

OR-02-011019-BRE

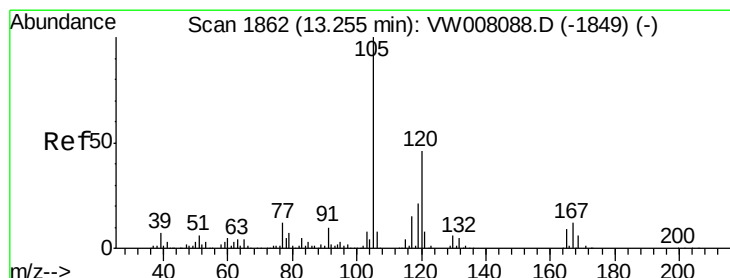
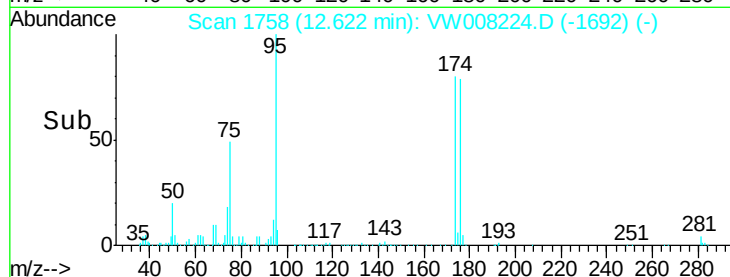
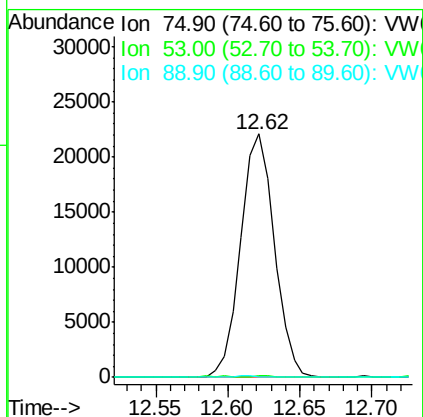
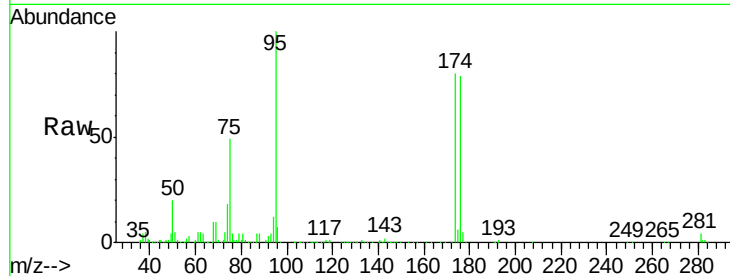
Tgt Ion: 75 Resp: 35882

Ion Ratio Lower Upper

75 100

53 0.4 78.8 118.2#

89 0.1 35.4 53.2#



#84

1,2,4-Trimethylbenzene

Concen: 1.051 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008224.D

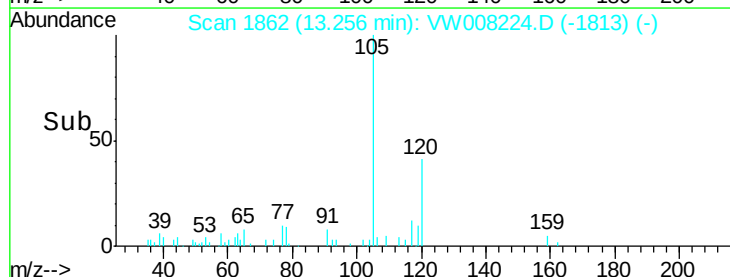
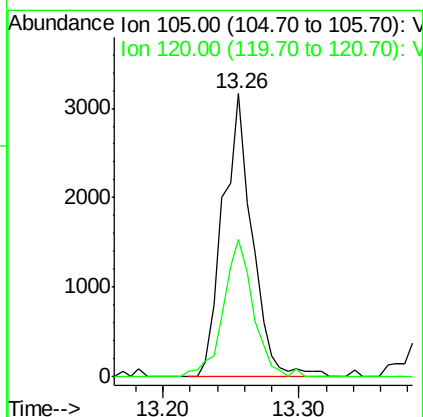
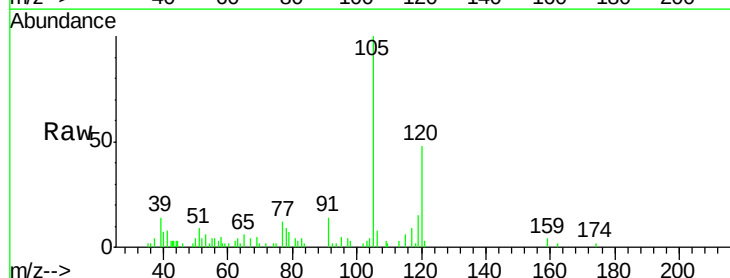
Acq: 12 Jan 2019 06:41

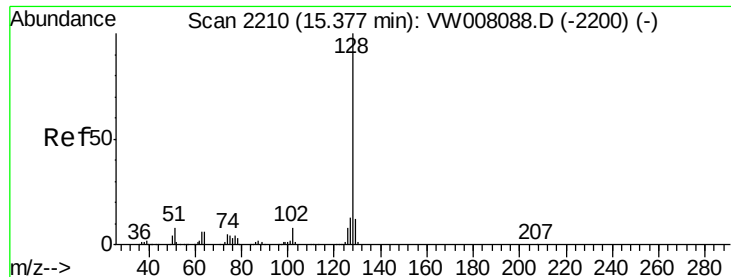
Tgt Ion: 105 Resp: 4721

Ion Ratio Lower Upper

105 100

120 48.9 22.7 68.1

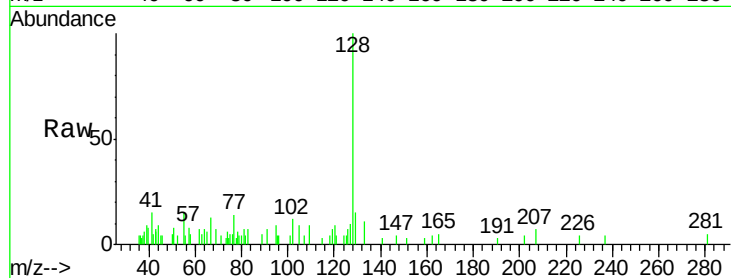




#95
Naphthalene
Concen: 1.306 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008224.D
Acq: 12 Jan 2019 06:41

Instrument :
MSVOA_W
ClientSampleId :
OR-02-011019-BRE

Tgt Ion:128 Resp: 3232
Ion Ratio Lower Upper
128 100
127 14.9 11.0 16.4
129 16.1 9.0 13.6#



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

