

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009099.D
 Acq On : 11 Mar 2019 20:52
 Operator : SY/VA
 Sample : K1692-01
 Misc : 5.78G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-030819

Quant Time: Mar 12 08:14:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	270841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	380105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153589	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	171700	63.01	ug/l	0.00
Spiked Amount			Recovery	=	126.02%	
35) Dibromofluoromethane	7.88	113	141728	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	10.32	98	524023	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.62	95	162591	38.05	ug/l	0.00
Spiked Amount			Recovery	=	76.10%	

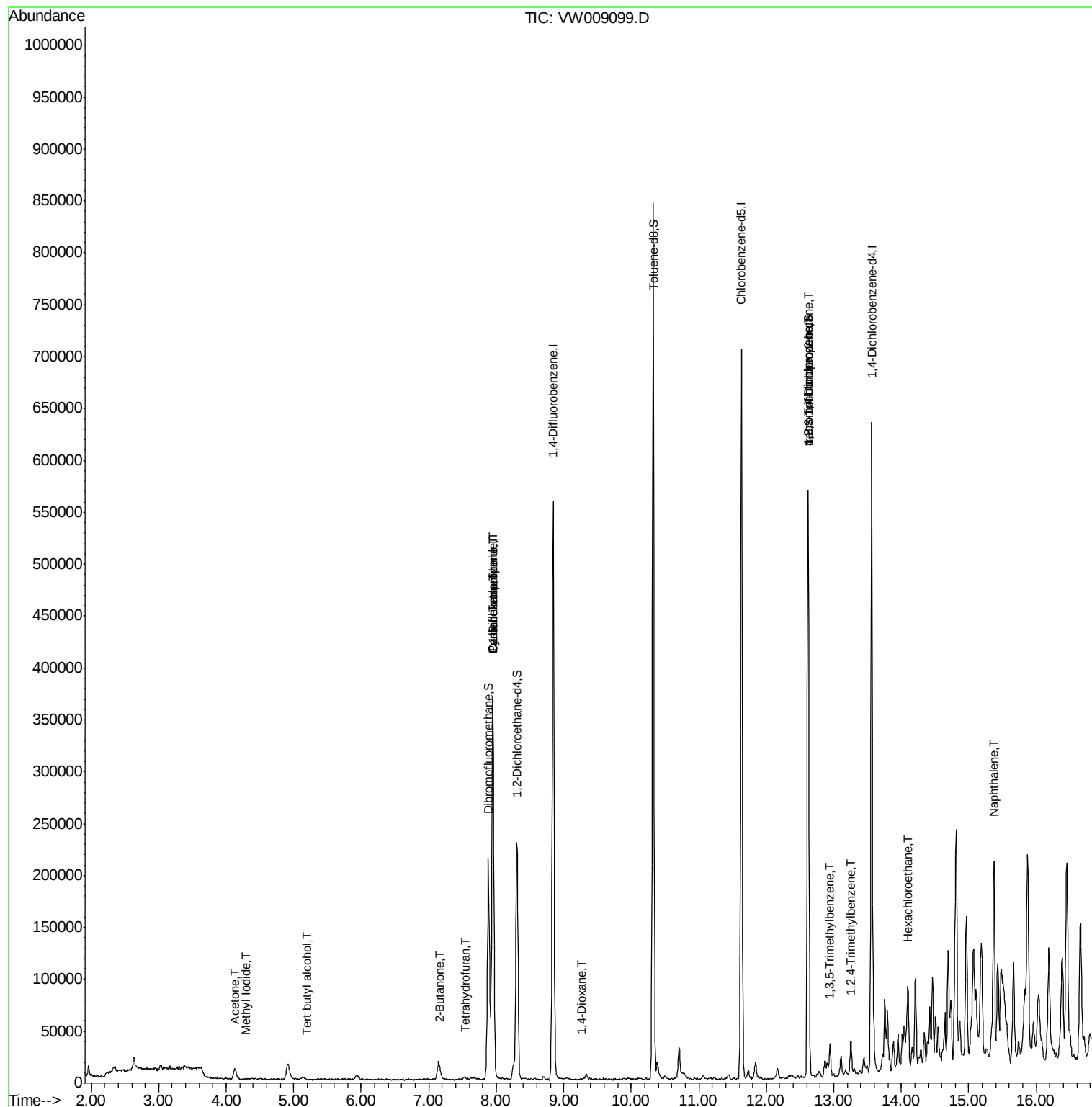
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	19	3.193	ug/l #	40
11) Tert butyl alcohol	5.20	59	473	2.265	ug/l	96
16) Acetone	4.14	43	17779	28.914	ug/l #	88
20) Methylene Chloride	4.91	84	10926	Below Cal	#	80
25) 2-Butanone	7.17	43	2661	3.131	ug/l #	86
29) Tetrahydrofuran	7.54	42	2123	3.964	ug/l #	87
31) Cyclohexane	7.95	56	7589	1.493	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	21180	4.614	ug/l #	50
38) Carbon Tetrachloride	7.95	117	26142	5.515	ug/l #	16
49) 1,4-Dioxane	9.26	88	24	1.000	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	88182	72.669	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	10149	1.070	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	88182	162.541	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.25	105	17205	1.794	ug/l	99
90) Hexachloroethane	14.10	117	4145	2.268	ug/l #	10
95) Naphthalene	15.37	128	146692	28.477	ug/l	98

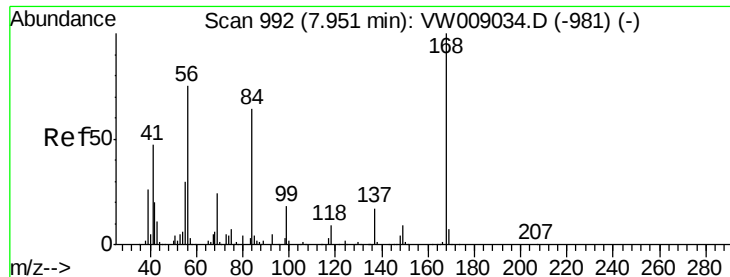
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

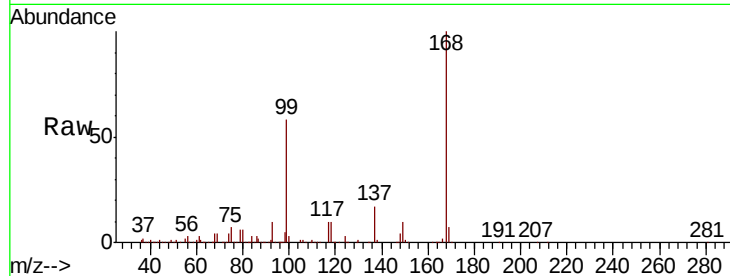
OK-01-030819

Tgt Ion:168 Resp: 270841

Ion Ratio Lower Upper

168 100

99 58.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

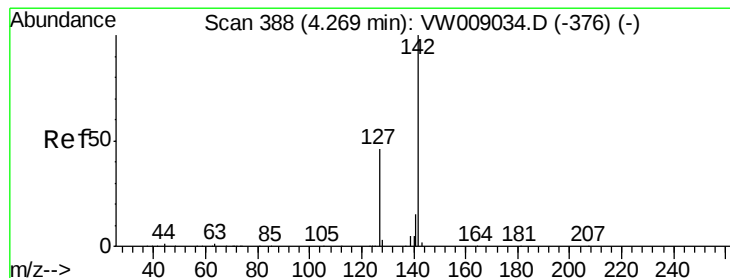
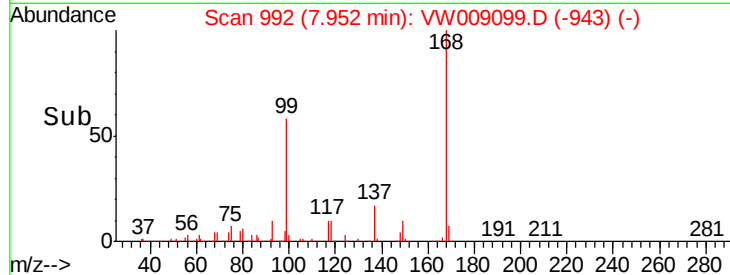
7.95

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.193 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.02 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

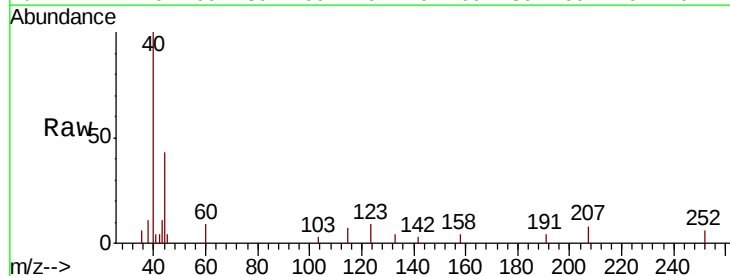
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.29

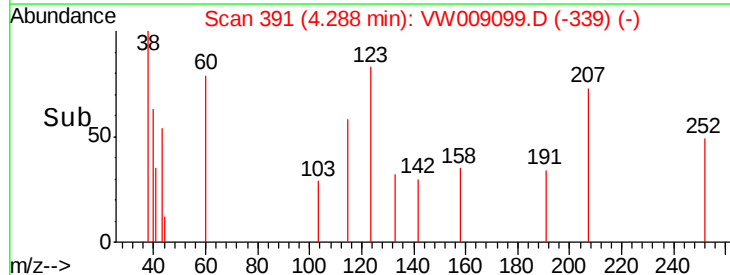
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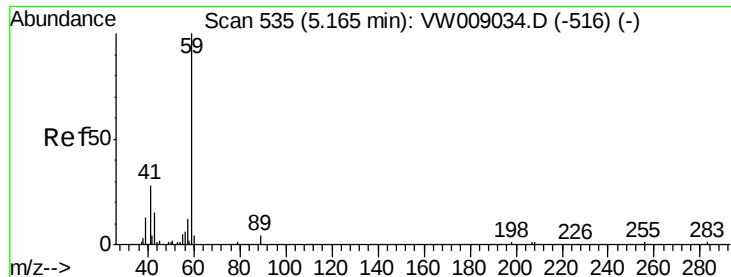
40

20

0

Time-->

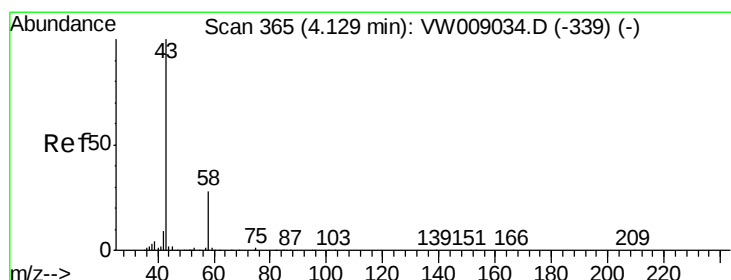
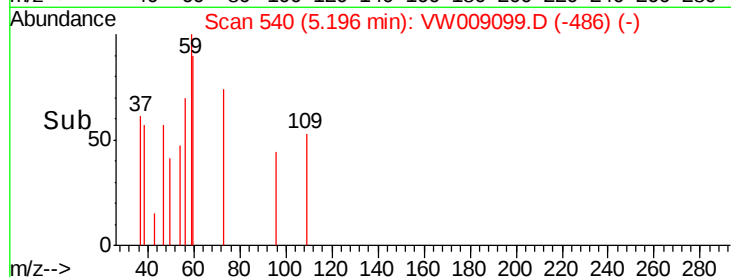
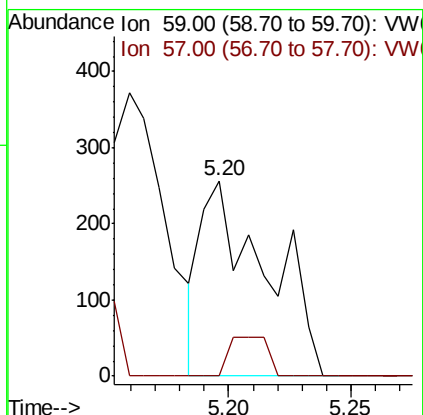
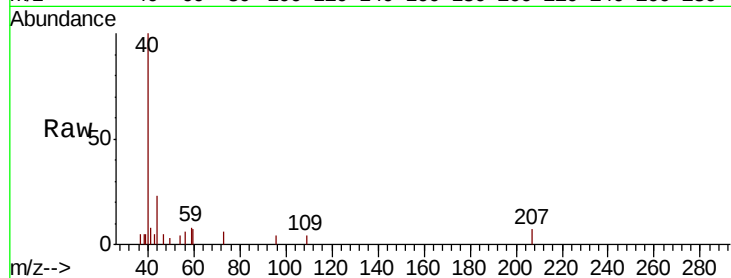




#11
Tert butyl alcohol
Concen: 2.265 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.03 min
Lab File: VW009099.D
Acq: 11 Mar 2019 20:52

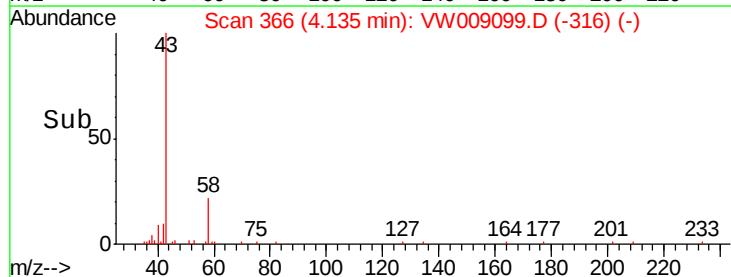
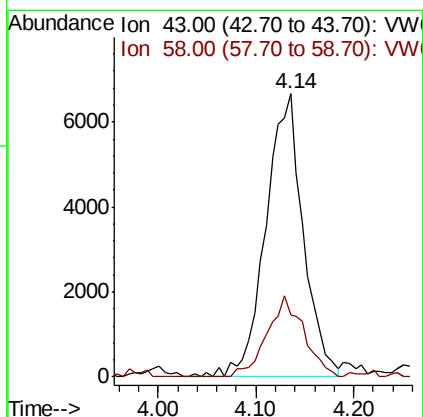
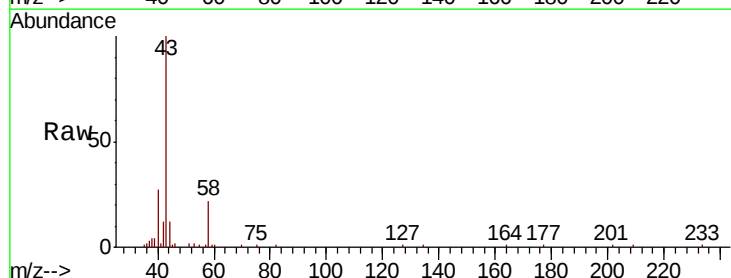
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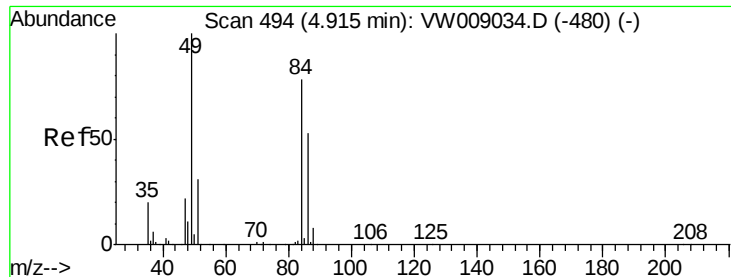
Tgt Ion: 59 Resp: 473
Ion Ratio Lower Upper
59 100
57 12.1 8.6 12.8



#16
Acetone
Concen: 28.914 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW009099.D
Acq: 11 Mar 2019 20:52

Tgt Ion: 43 Resp: 17779
Ion Ratio Lower Upper
43 100
58 21.7 22.5 33.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

OK-01-030819

Tgt Ion: 84 Resp: 10926

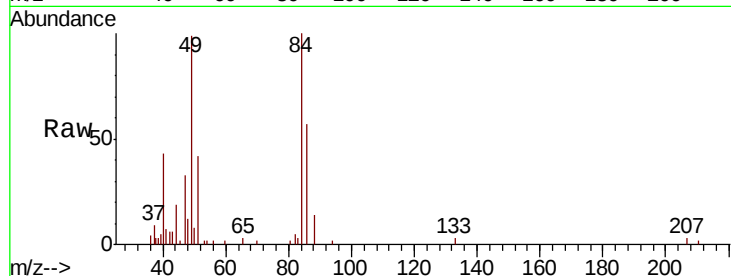
Ion Ratio Lower Upper

84 100

49 94.1 102.4 153.6#

51 38.5 31.6 47.4

86 57.4 54.5 81.7

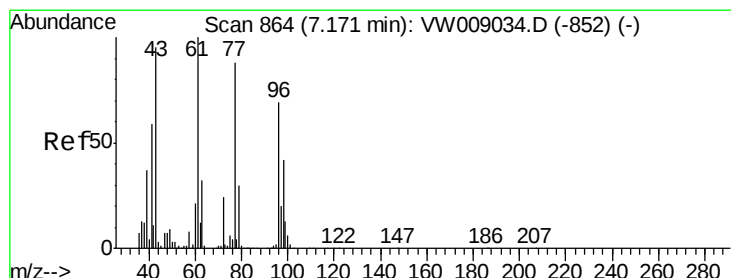
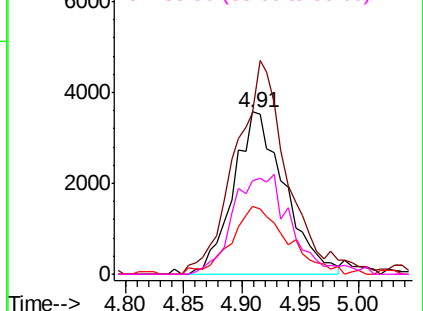
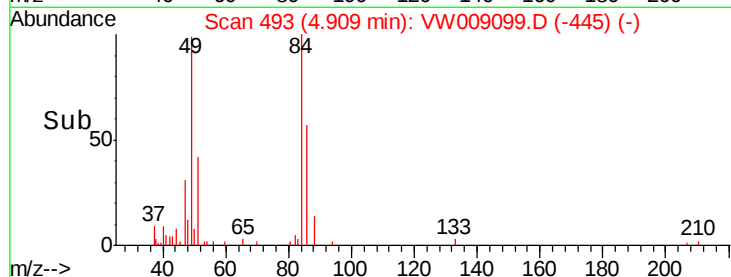


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 3.131 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009099.D

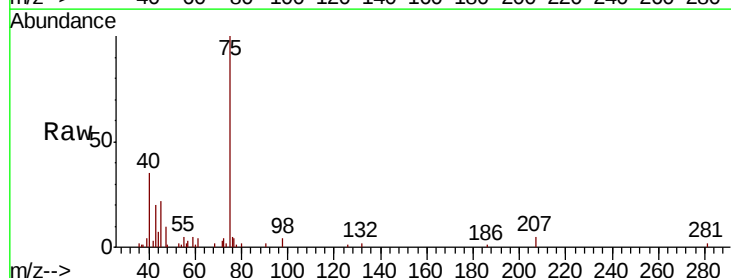
Acq: 11 Mar 2019 20:52

Tgt Ion: 43 Resp: 2661

Ion Ratio Lower Upper

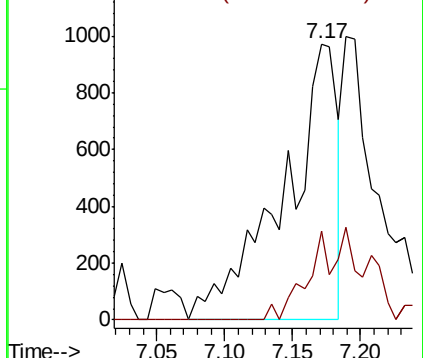
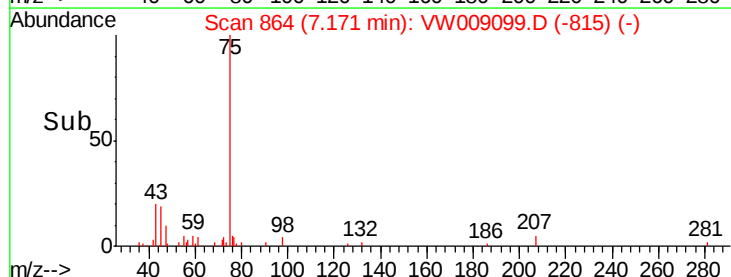
43 100

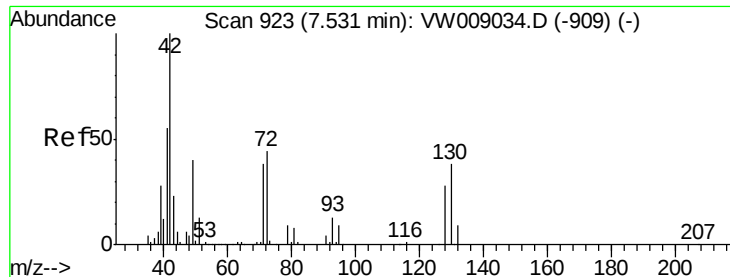
72 32.2 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

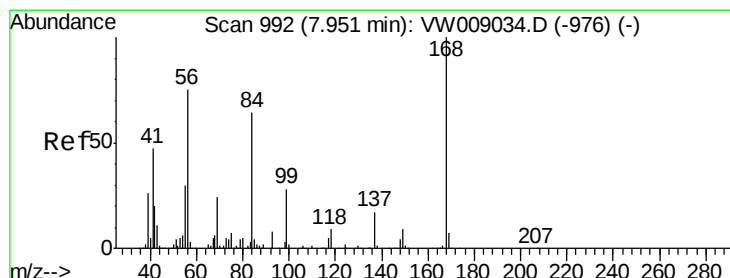
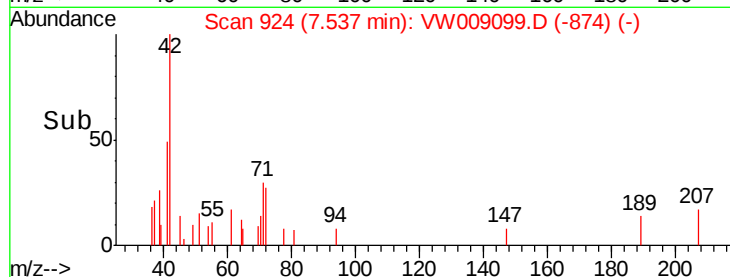
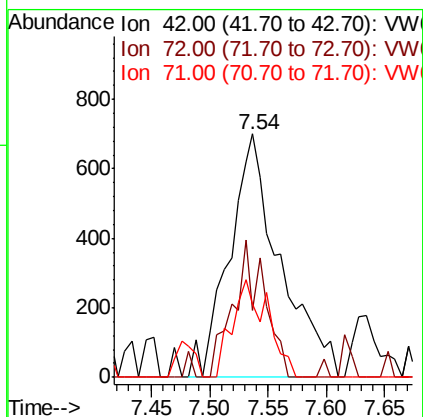
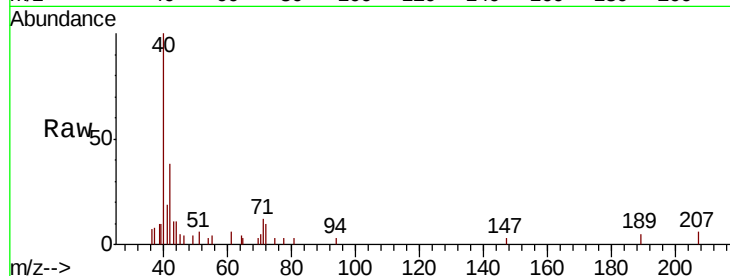




#29
Tetrahydrofuran
Concen: 3.964 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009099.D
Acq: 11 Mar 2019 20:52

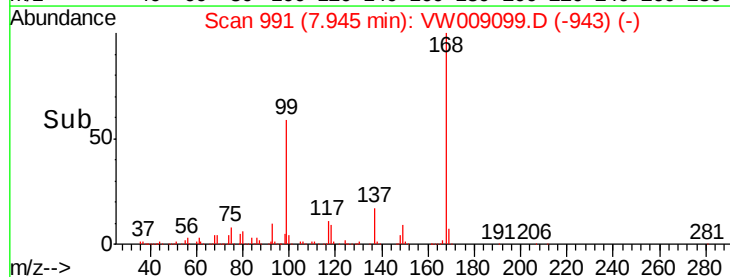
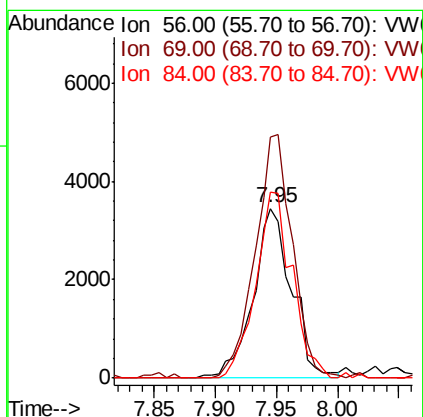
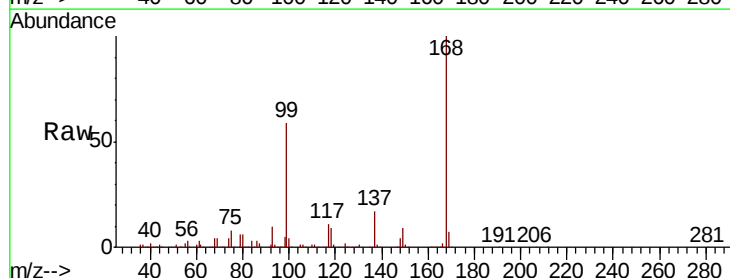
Instrument :
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ClientSampleId :
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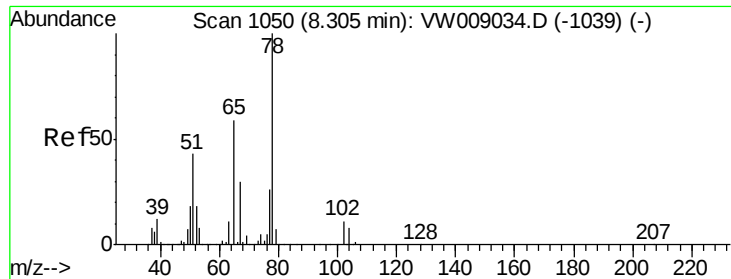
Tgt Ion: 42 Resp: 2123
Ion Ratio Lower Upper
42 100
72 34.9 32.2 48.4
71 27.9 30.7 46.1#



#31
Cyclohexane
Concen: 1.493 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009099.D
Acq: 11 Mar 2019 20:52

Tgt Ion: 56 Resp: 7589
Ion Ratio Lower Upper
56 100
69 141.6 25.5 38.3#
84 109.7 68.6 103.0#

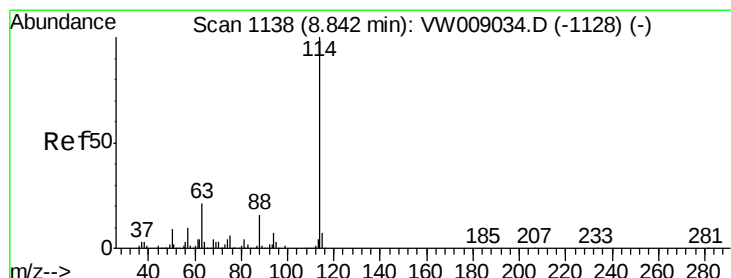
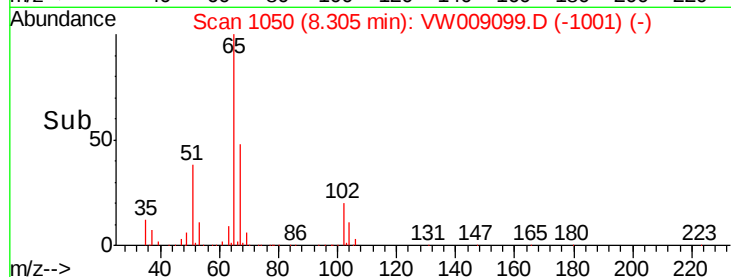
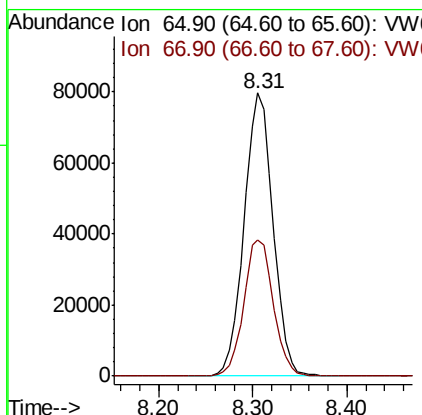
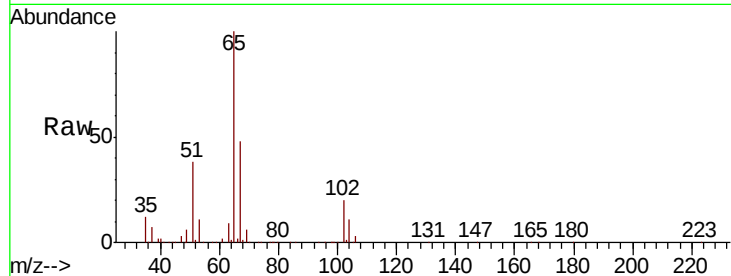




#33
 1,2-Dichloroethane-d4
 Concen: 63.011 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009099.D
 Acq: 11 Mar 2019 20:52

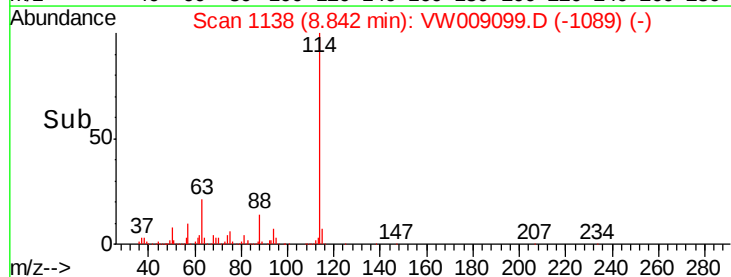
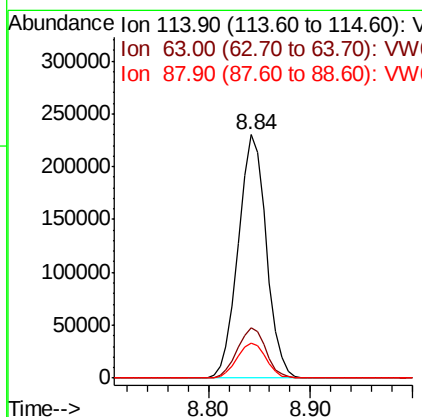
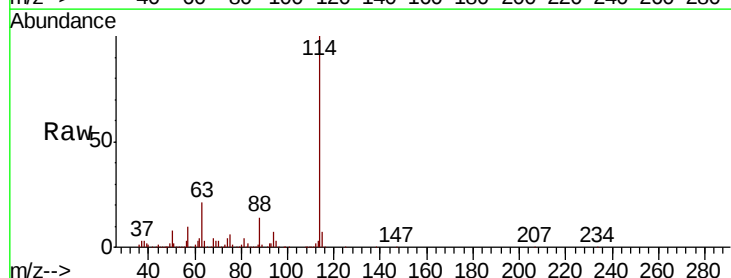
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 OK-01-030819

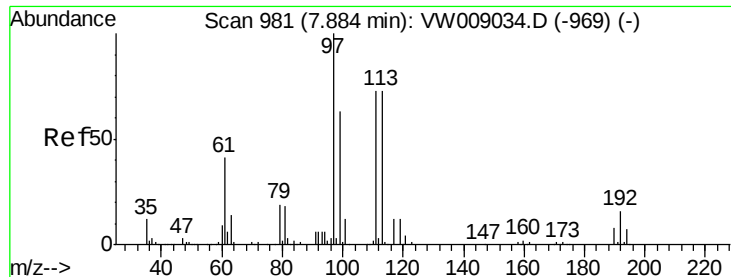
Tgt Ion: 65 Resp: 171700
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009099.D
 Acq: 11 Mar 2019 20:52

Tgt Ion: 114 Resp: 438965
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.2
 88 14.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.625 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

OK-01-030819

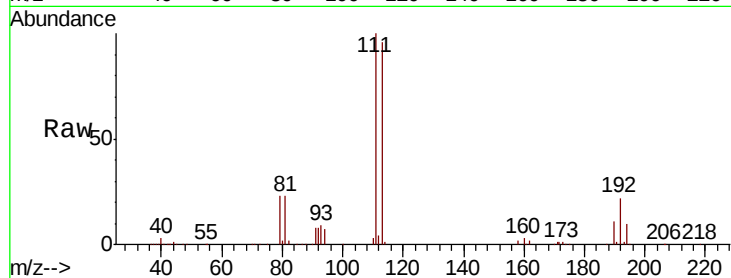
Tgt Ion:113 Resp: 141728

Ion Ratio Lower Upper

113 100

111 103.8 81.0 121.4

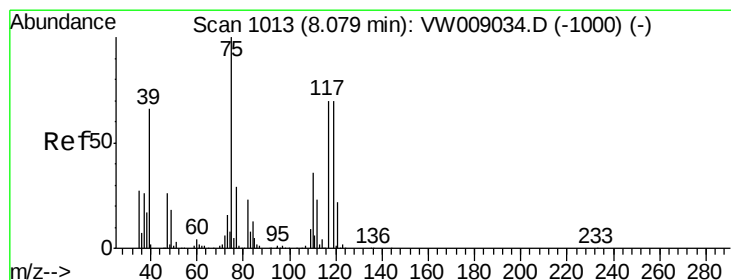
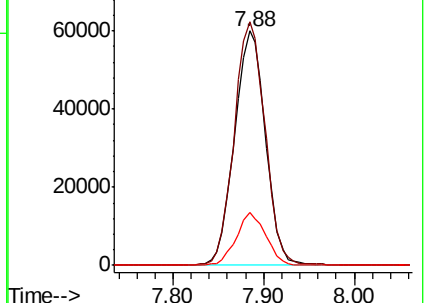
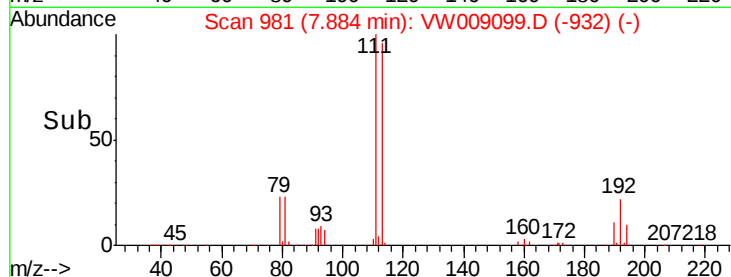
192 21.4 17.1 25.7



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: 4.614 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

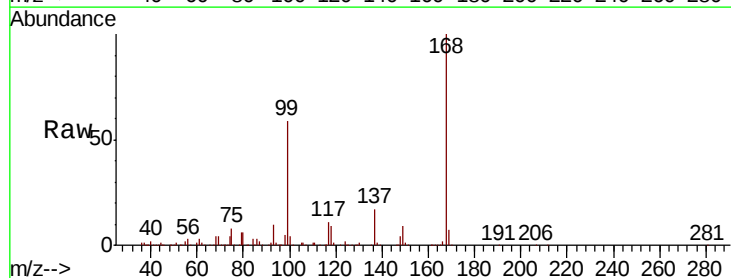
Tgt Ion: 75 Resp: 21180

Ion Ratio Lower Upper

75 100

110 9.7 17.6 52.9#

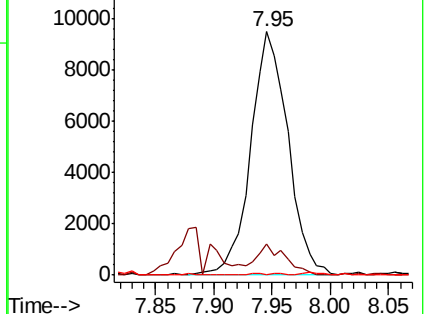
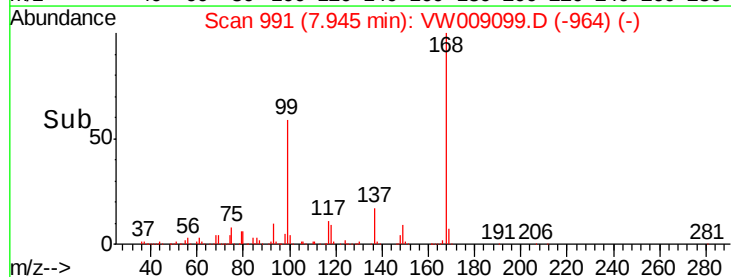
77 0.2 25.1 37.7#

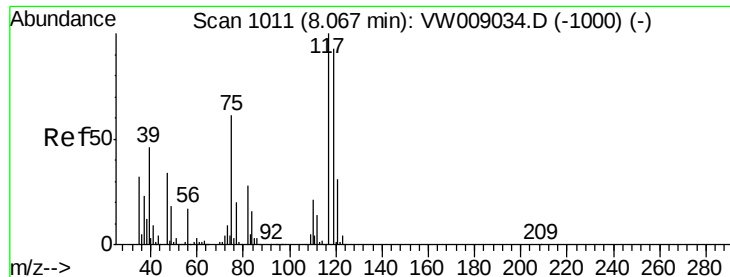


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

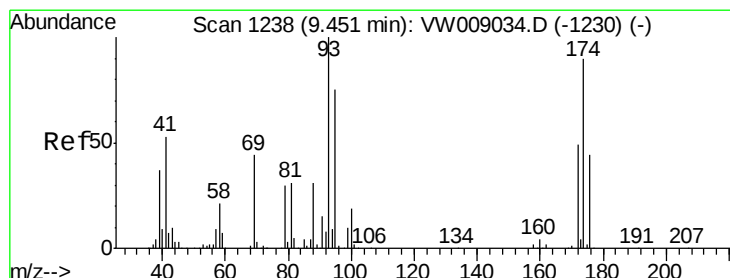
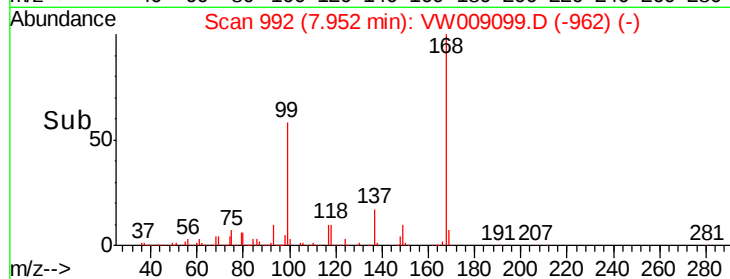
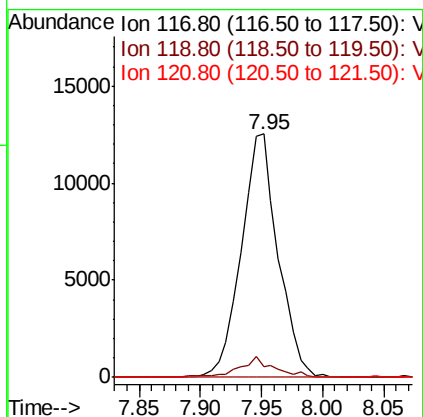
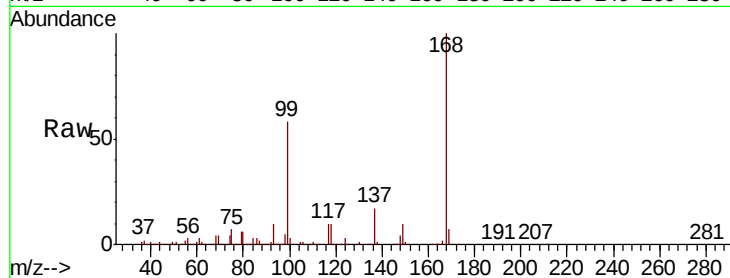




#38
Carbon Tetrachloride
Concen: 5.515 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW009099.D
Acq: 11 Mar 2019 20:52

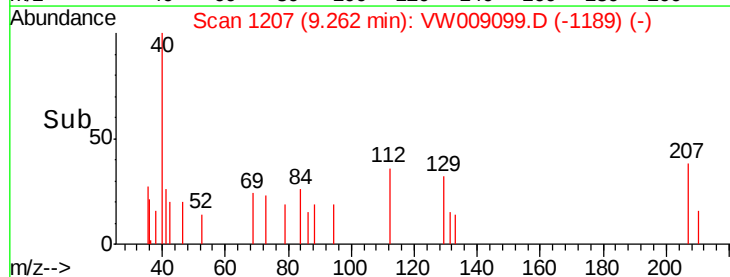
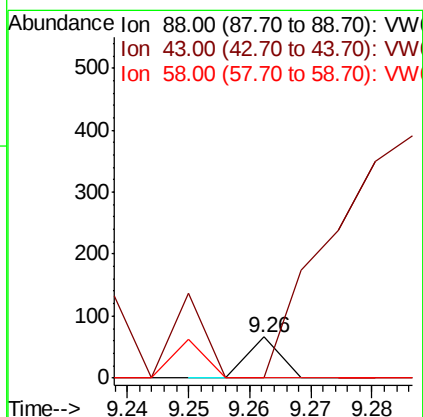
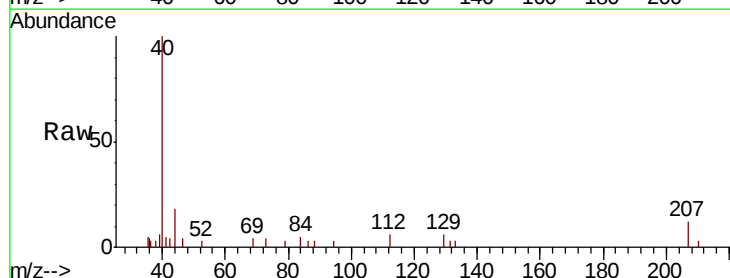
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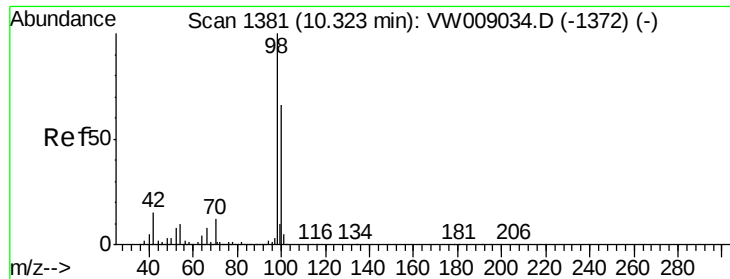
Tgt Ion:117 Resp: 26142
Ion Ratio Lower Upper
117 100
119 4.3 74.6 112.0#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 1.000 ug/l
RT: 9.26 min Scan# 1207
Delta R.T. -0.19 min
Lab File: VW009099.D
Acq: 11 Mar 2019 20:52

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 541.7 29.0 43.4#
58 95.8 59.2 88.8#





#50

Toluene-d8

Concen: 48.275 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

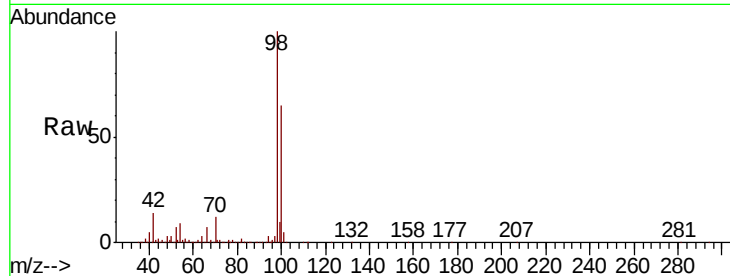
OK-01-030819

Tgt Ion: 98 Resp: 524023

Ion Ratio Lower Upper

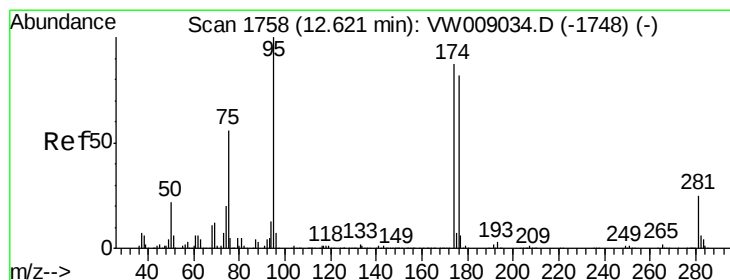
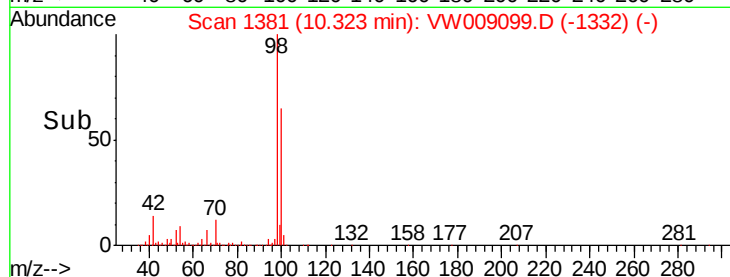
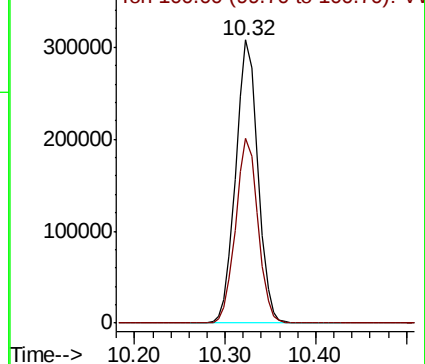
98 100

100 65.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 38.049 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

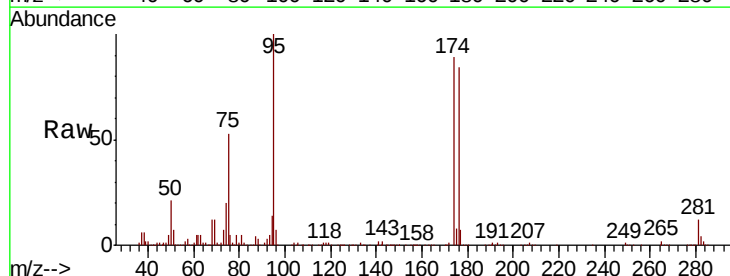
Tgt Ion: 95 Resp: 162591

Ion Ratio Lower Upper

95 100

174 85.9 0.0 167.0

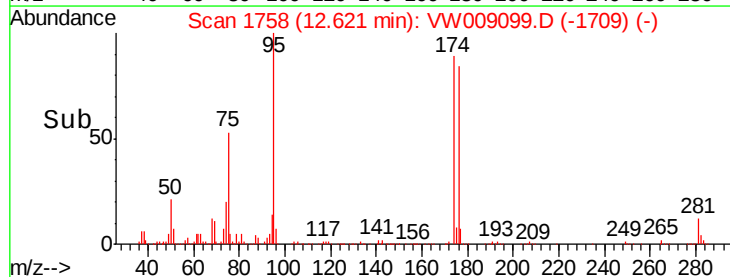
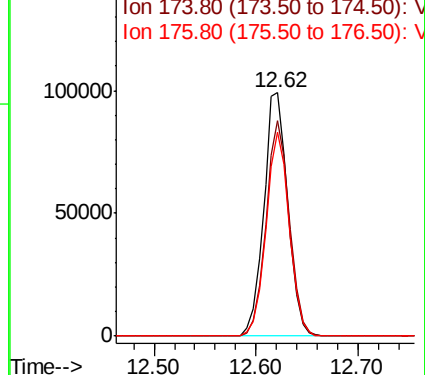
176 80.6 0.0 159.4

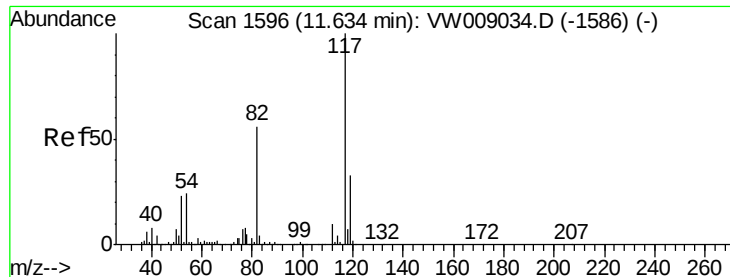


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

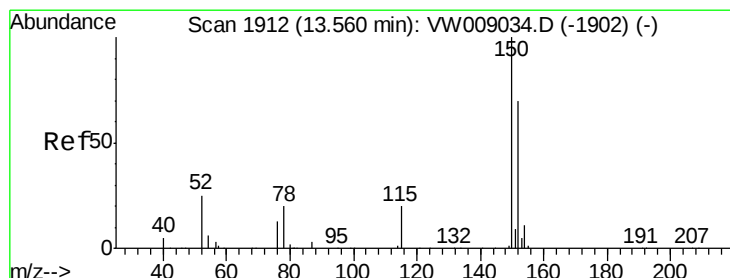
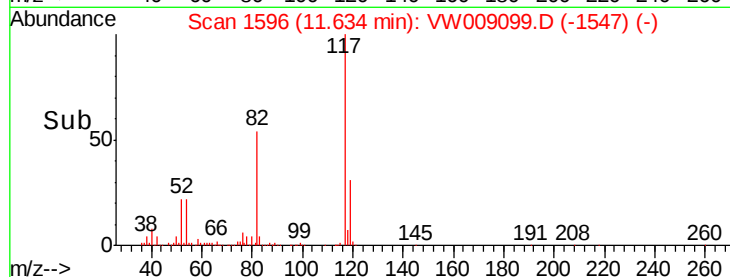
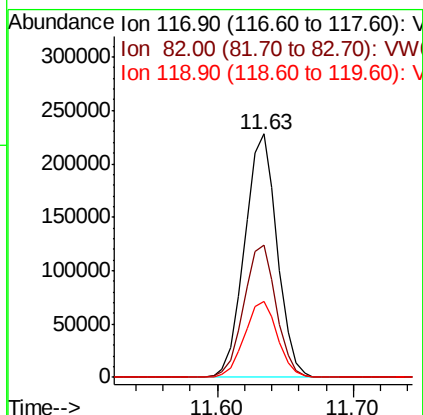
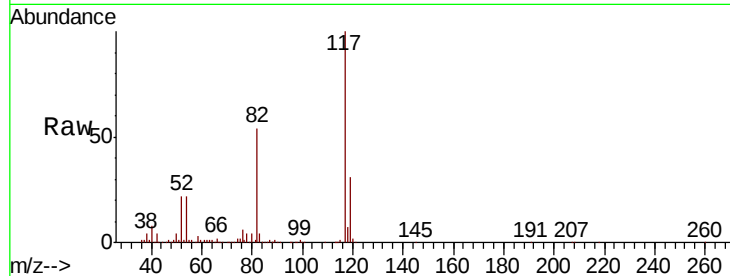




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009099.D
Acq: 11 Mar 2019 20:52

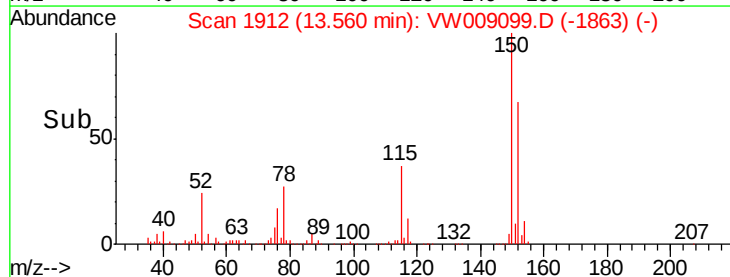
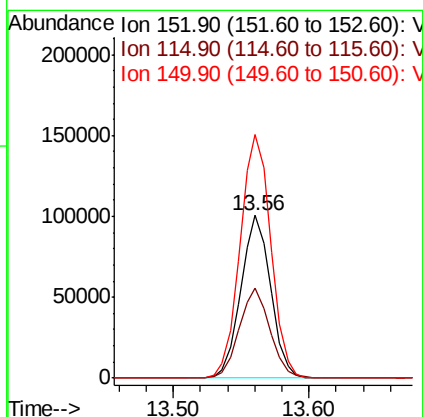
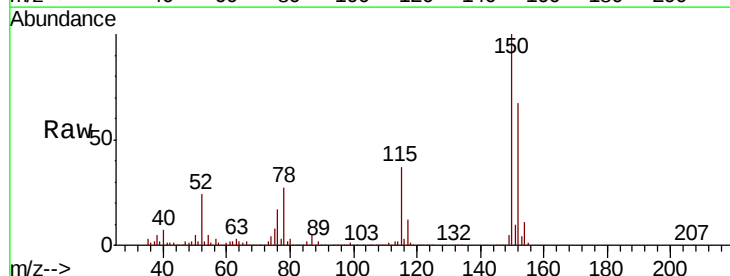
Instrument :
MSVOA_W
ClientSampleId :
OK-01-030819

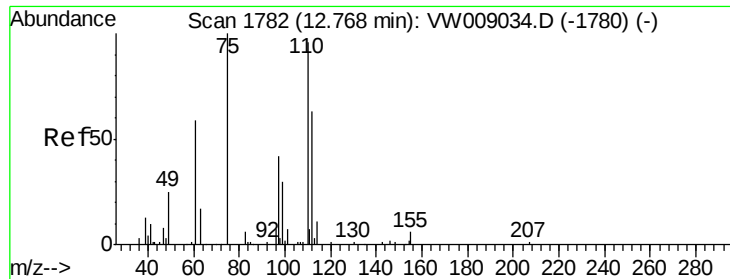
Tgt Ion:117 Resp: 380105
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.6
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009099.D
Acq: 11 Mar 2019 20:52

Tgt Ion:152 Resp: 153589
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 154.1 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 72.669 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

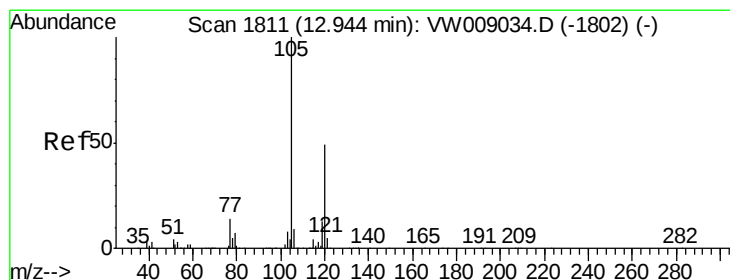
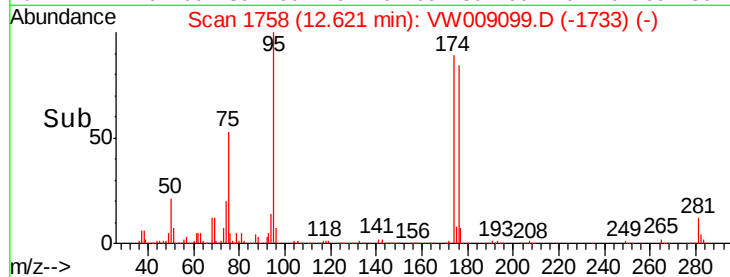
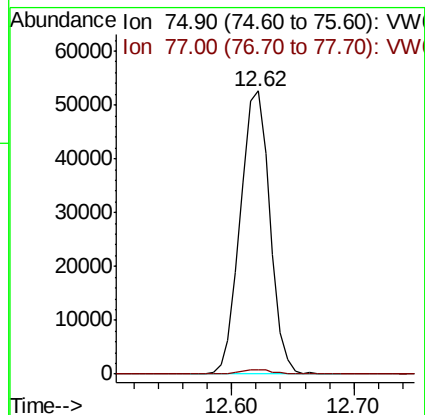
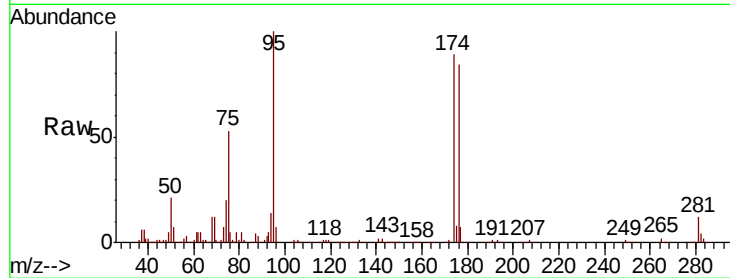
OK-01-030819

Tgt Ion: 75 Resp: 88182

Ion Ratio Lower Upper

75 100

77 1.7 186.7 560.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.070 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009099.D

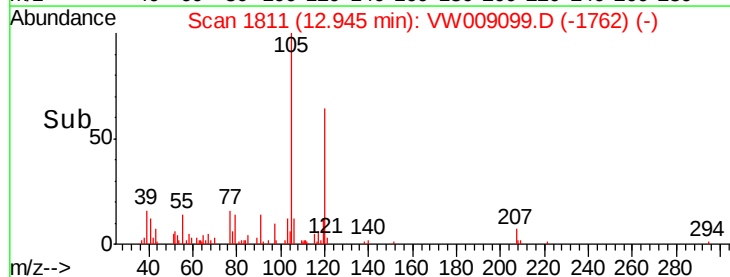
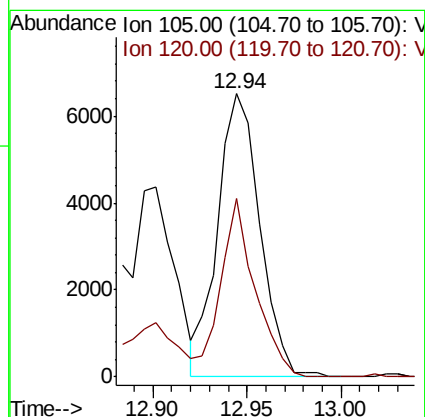
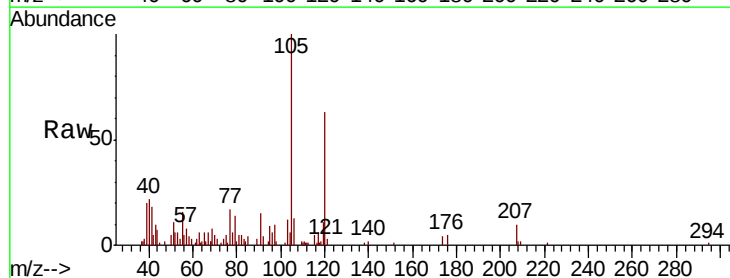
Acq: 11 Mar 2019 20:52

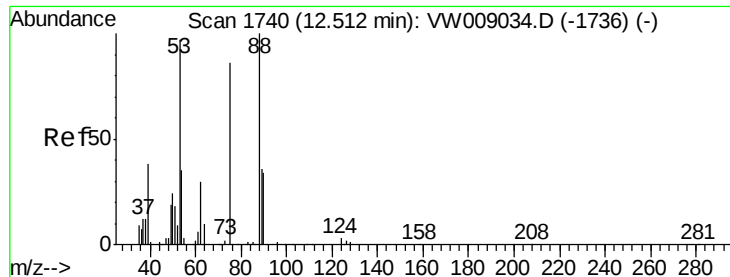
Tgt Ion: 105 Resp: 10149

Ion Ratio Lower Upper

105 100

120 51.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 162.541 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

OK-01-030819

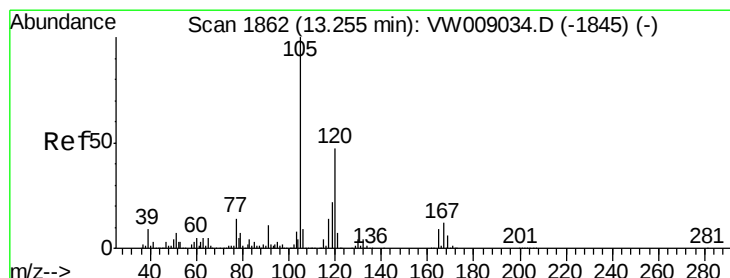
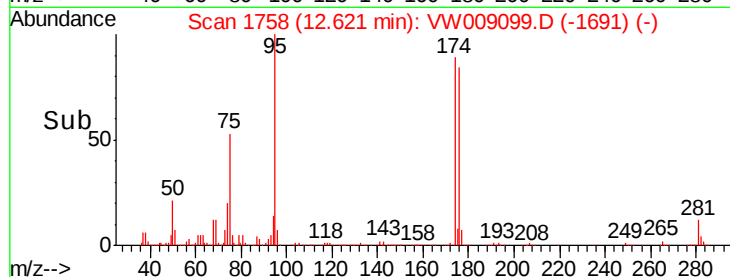
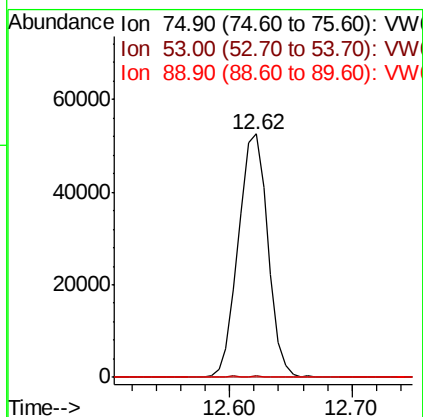
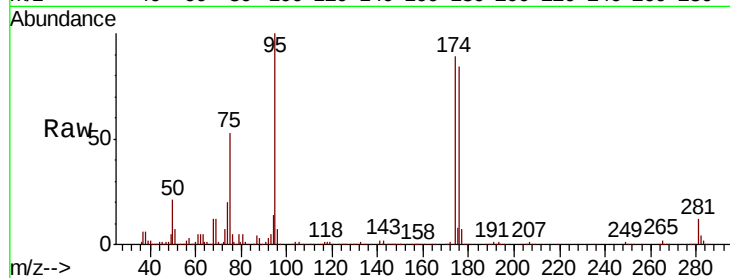
Tgt Ion: 75 Resp: 88182

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 37.5 56.3#



#84

1,2,4-Trimethylbenzene

Concen: 1.794 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW009099.D

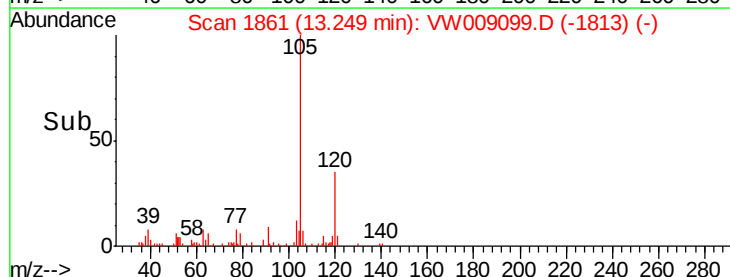
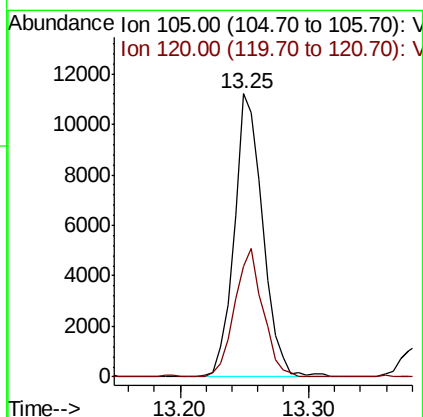
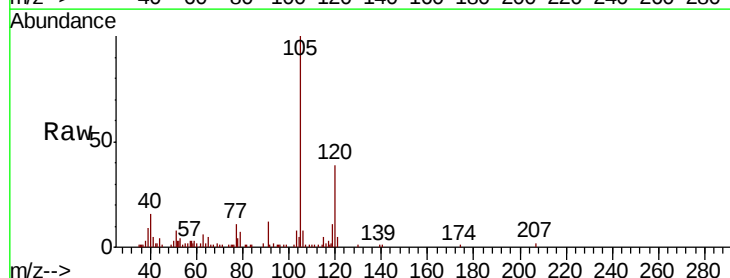
Acq: 11 Mar 2019 20:52

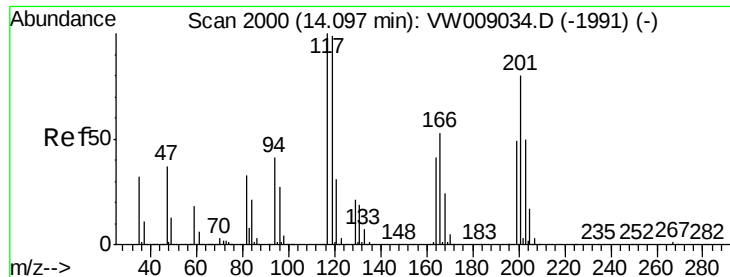
Tgt Ion: 105 Resp: 17205

Ion Ratio Lower Upper

105 100

120 45.1 22.8 68.4





#90

Hexachloroethane

Concen: 2.268 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

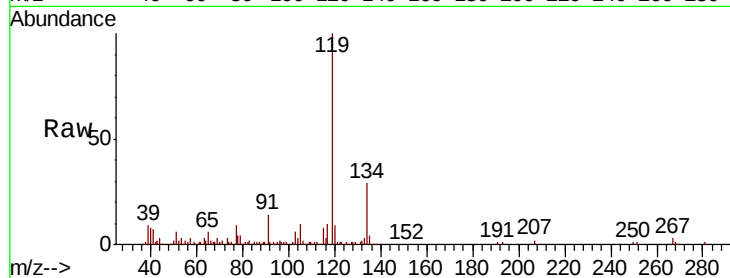
OK-01-030819

Tgt Ion:117 Resp: 4145

Ion Ratio Lower Upper

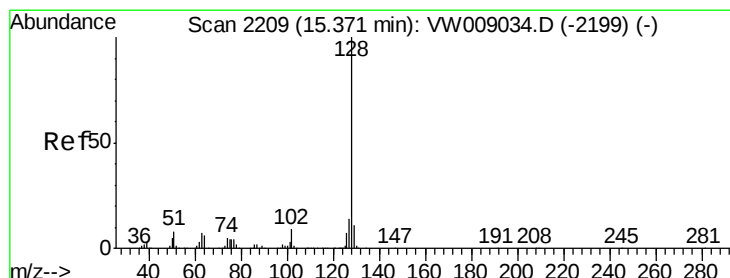
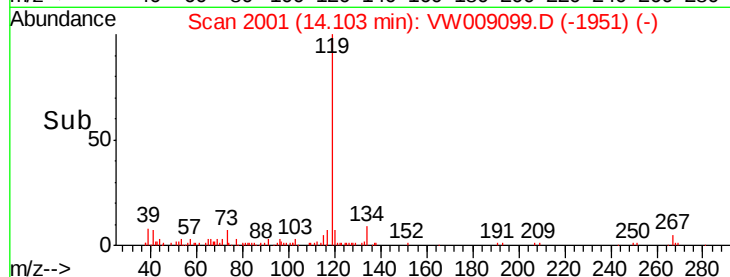
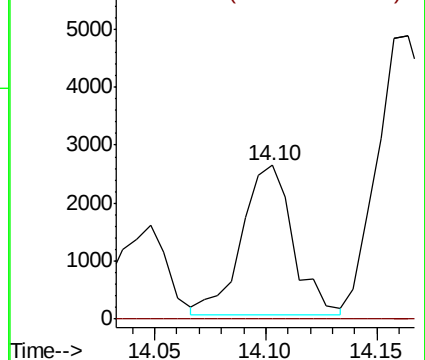
117 100

201 0.0 39.1 117.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 28.477 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009099.D

Acq: 11 Mar 2019 20:52

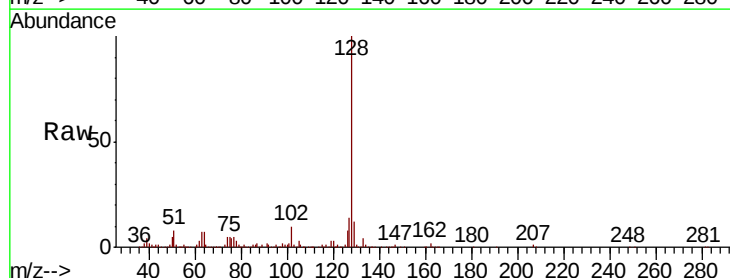
Tgt Ion:128 Resp: 146692

Ion Ratio Lower Upper

128 100

127 14.5 11.0 16.6

129 11.6 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

