

Data File : VW008810.D
Acq On : 25 Feb 2019 16:44
Operator : SY/VA
Sample : K1348-03RE
Misc : 5.71G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OK-03-022219-A

Quant Time: Feb 26 03:43:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	369732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	566684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	198388	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	199921	57.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.30%	
35) Dibromofluoromethane	7.88	113	178162	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	10.32	98	659906	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.62	95	217840	42.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.72%	

Target Compounds

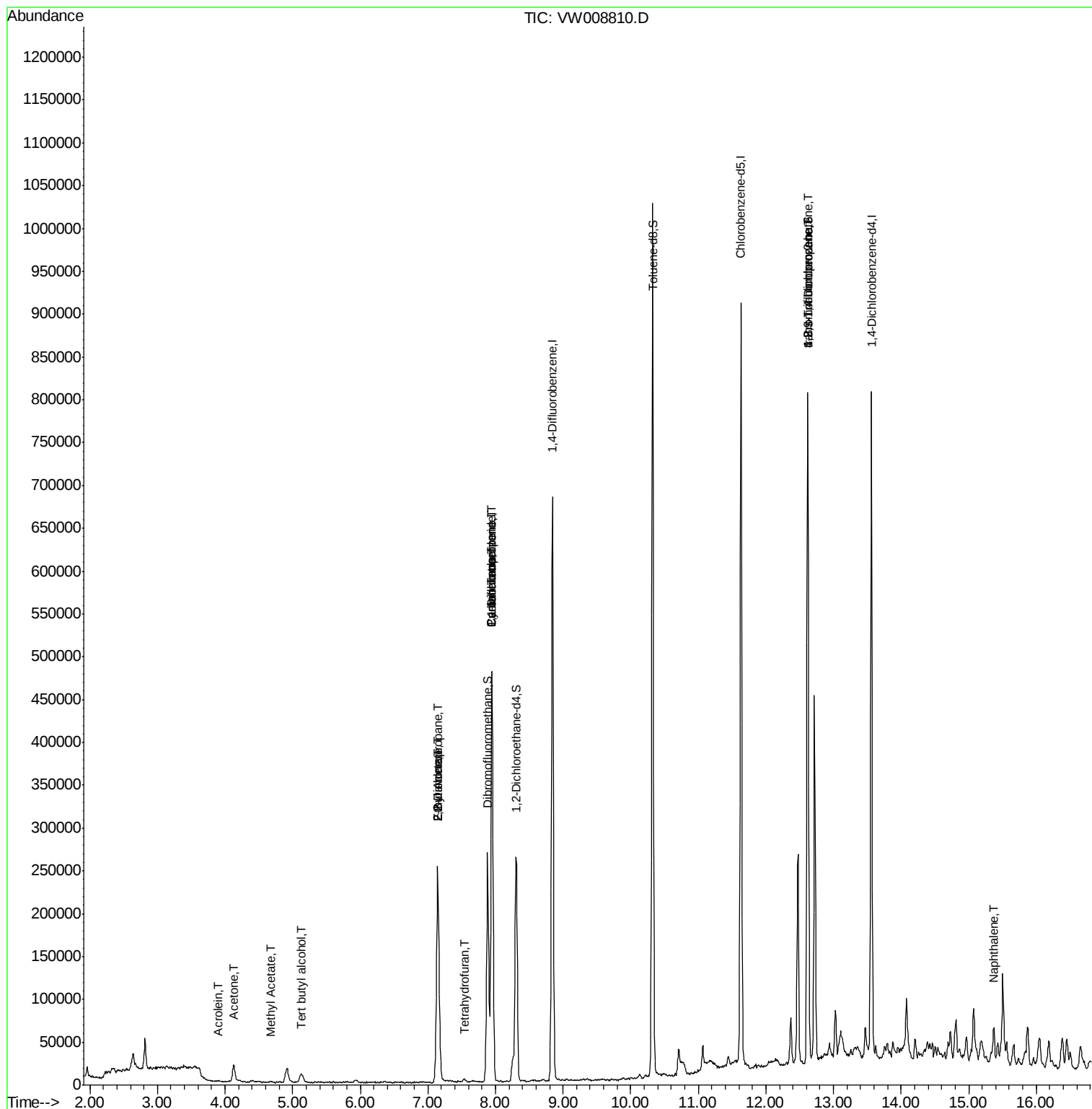
						Qvalue
11) Tert butyl alcohol	5.13	59	10825	35.064	ug/l #	73
13) Acrolein	3.89	56	168	20.255	ug/l #	14
16) Acetone	4.13	43	35384	44.021	ug/l	93
18) Methyl Acetate	4.68	43	3570	1.873	ug/l #	83
20) Methylene Chloride	4.91	84	11786	Below Cal	#	96
25) 2-Butanone	7.15	43	13519	12.030	ug/l #	76
26) 2,2-Dichloropropane	7.14	77	16748	2.856	ug/l #	54
29) Tetrahydrofuran	7.54	42	3427	4.785	ug/l	90
31) Cyclohexane	7.95	56	8238	1.260	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	27952	5.067	ug/l #	50
37) Ethyl Acetate	7.15	43	13276	5.175	ug/l #	70
38) Carbon Tetrachloride	7.95	117	34004	5.845	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	113338	69.195	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	113338	168.218	ug/l #	6
95) Naphthalene	15.38	128	32546	4.465	ug/l	96

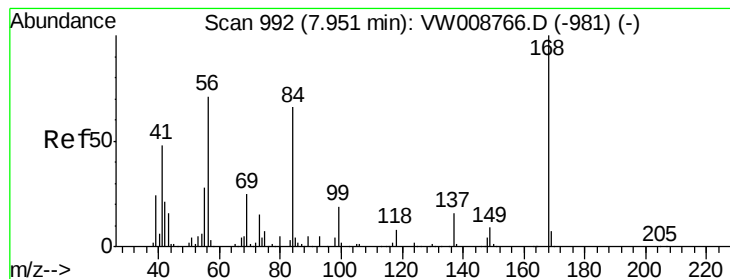
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

Instrument :

MSVOA_W

ClientSampleId :

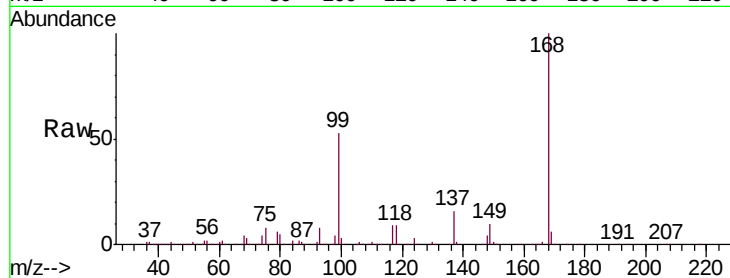
OK-03-022219-A

Tgt Ion:168 Resp: 369732

Ion Ratio Lower Upper

168 100

99 52.9 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

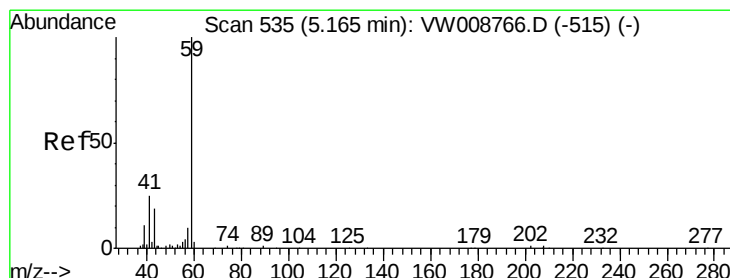
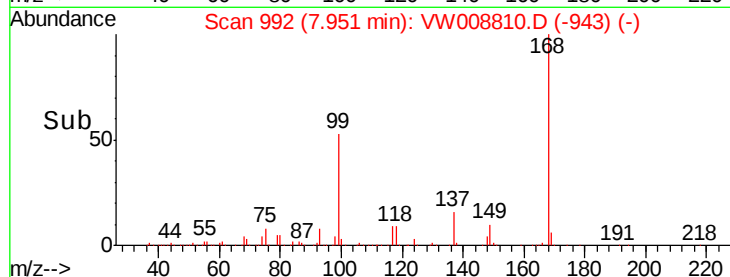
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 35.064 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008810.D

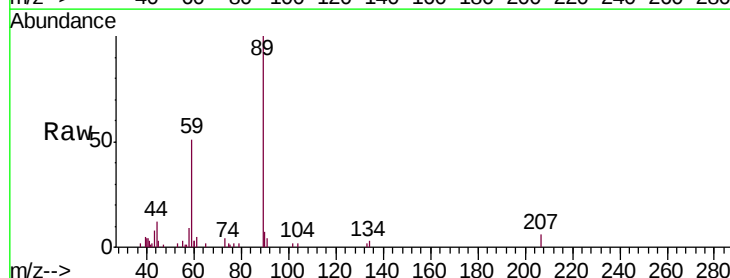
Acq: 25 Feb 2019 16:44

Tgt Ion: 59 Resp: 10825

Ion Ratio Lower Upper

59 100

57 1.3 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

3000

2500

2000

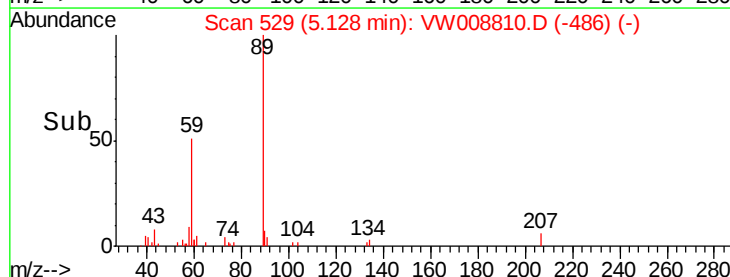
1500

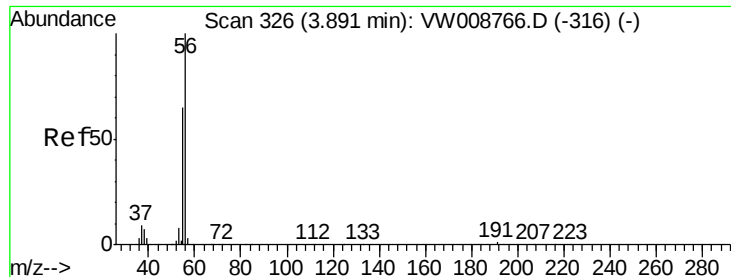
1000

500

0

Time-->





#13

Acrolein

Concen: 20.255 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

Instrument :

MSVOA_W

ClientSampleId :

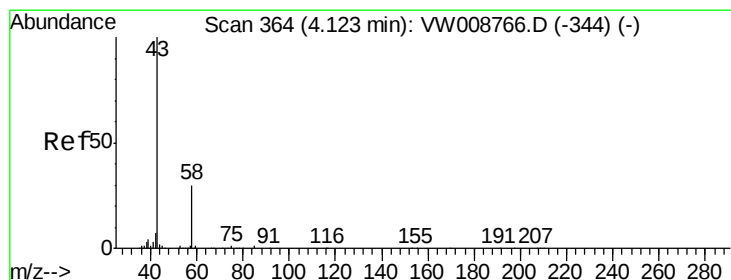
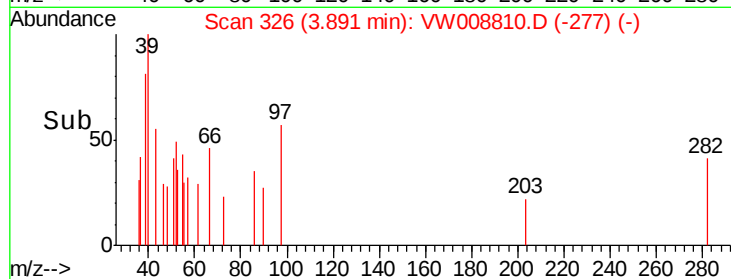
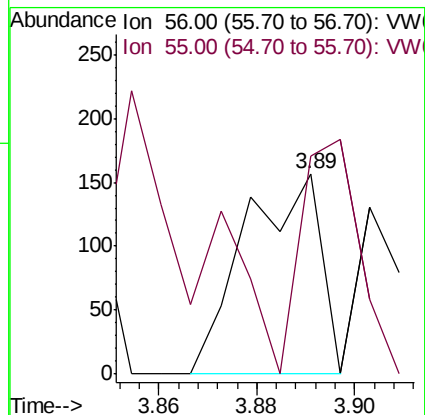
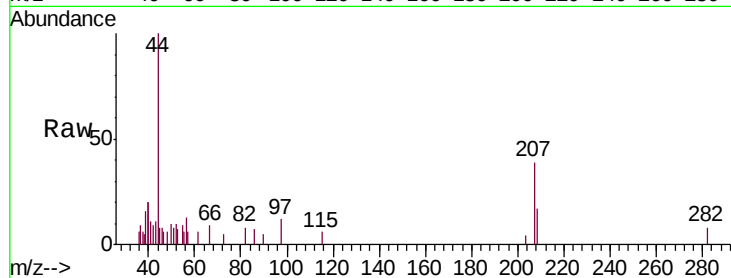
OK-03-022219-A

Tgt Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 44.021 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008810.D

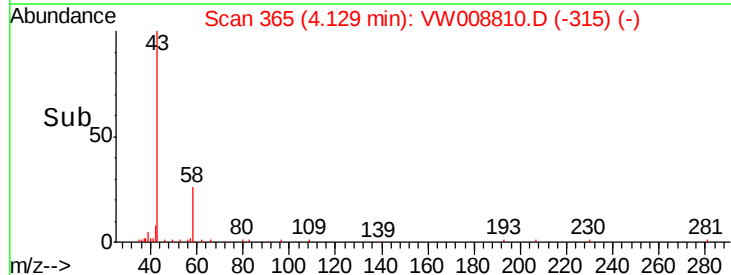
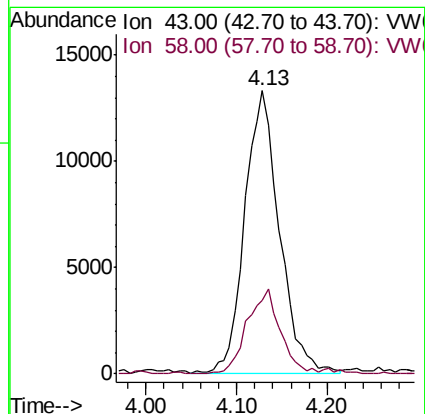
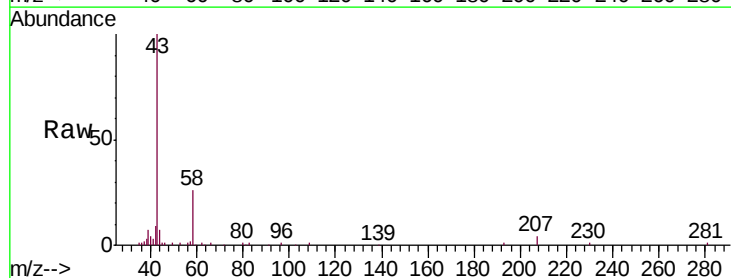
Acq: 25 Feb 2019 16:44

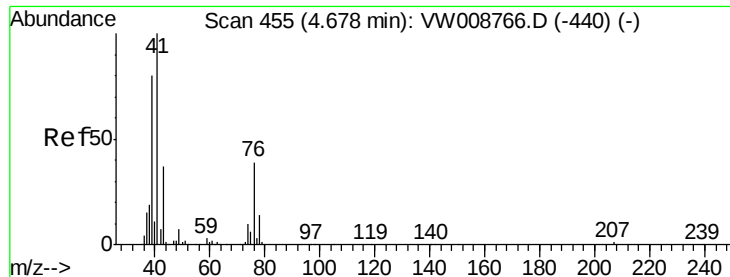
Tgt Ion: 43 Resp: 35384

Ion Ratio Lower Upper

43 100

58 26.2 23.8 35.6

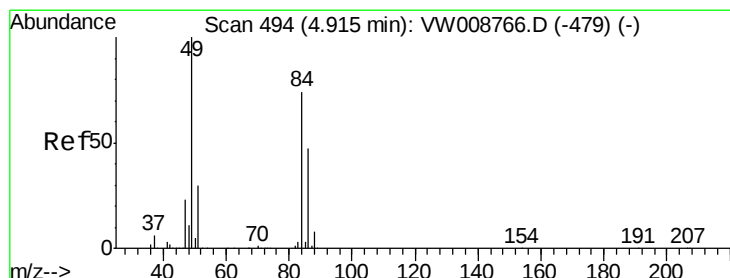
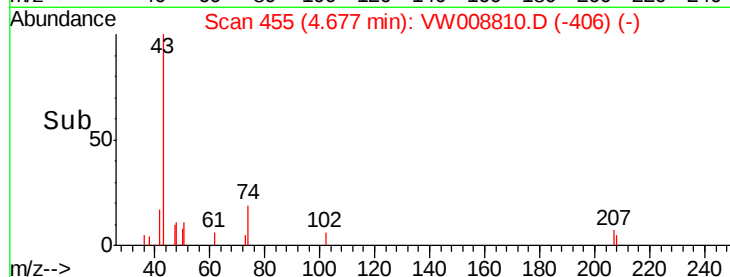
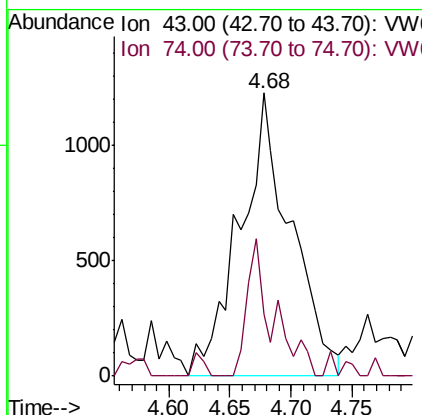
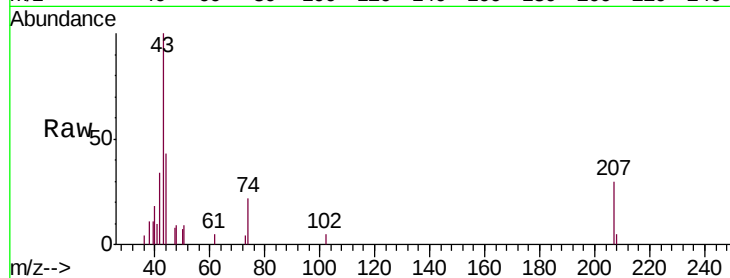




#18
Methyl Acetate
Concen: 1.873 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW008810.D
Acq: 25 Feb 2019 16:44

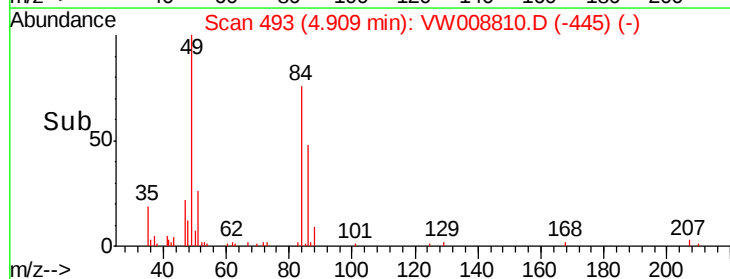
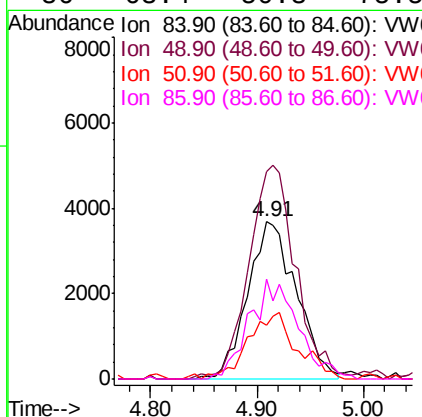
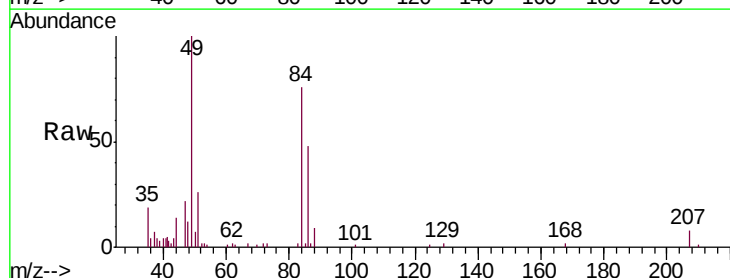
Instrument :
MSVOA_W
ClientSampleId :
OK-03-022219-A

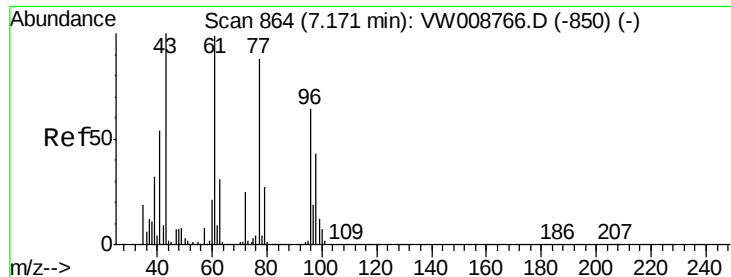
Tgt Ion: 43 Resp: 3570
Ion Ratio Lower Upper
43 100
74 15.7 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008810.D
Acq: 25 Feb 2019 16:44

Tgt Ion: 84 Resp: 11786
Ion Ratio Lower Upper
84 100
49 131.9 108.2 162.2
51 32.5 32.7 49.1#
86 63.4 50.3 75.5





#25

2-Butanone

Concen: 12.030 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

Instrument :

MSVOA_W

ClientSampleId :

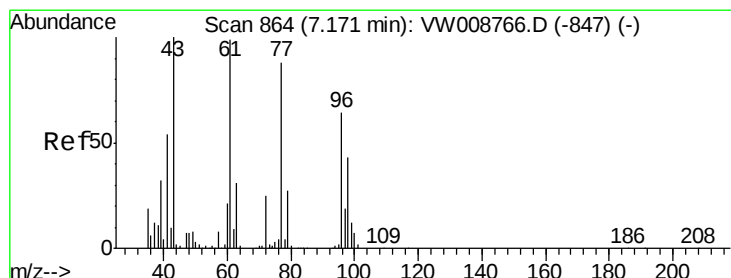
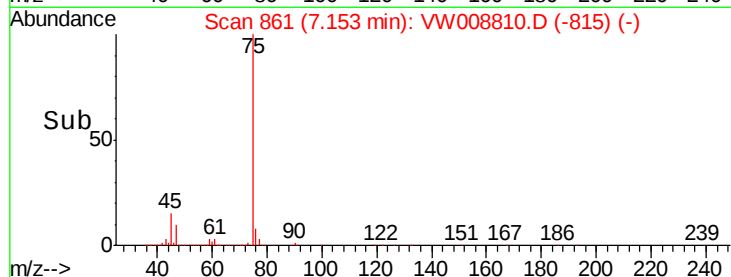
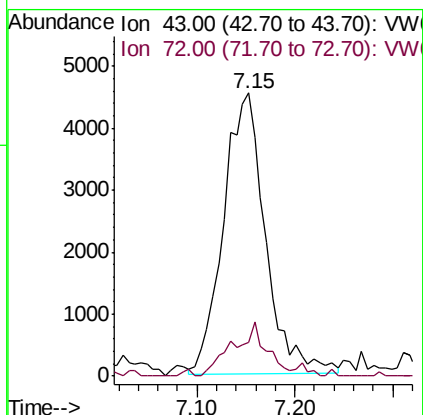
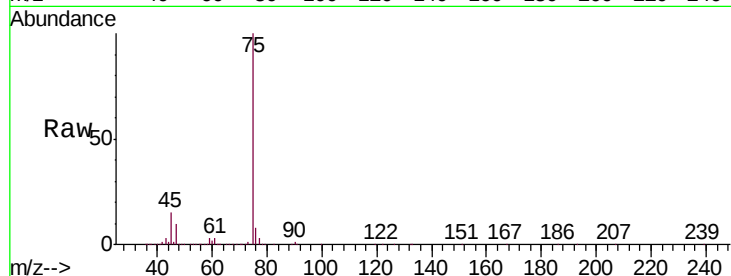
OK-03-022219-A

Tgt Ion: 43 Resp: 13519

Ion Ratio Lower Upper

43 100

72 12.4 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 2.856 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008810.D

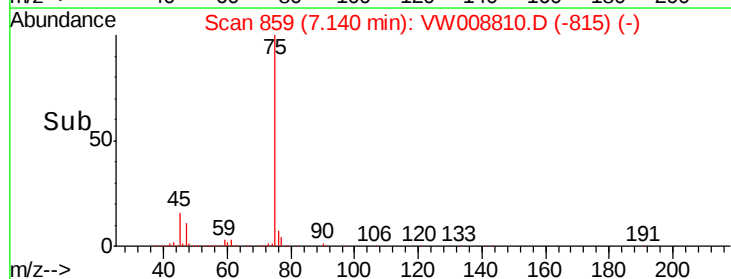
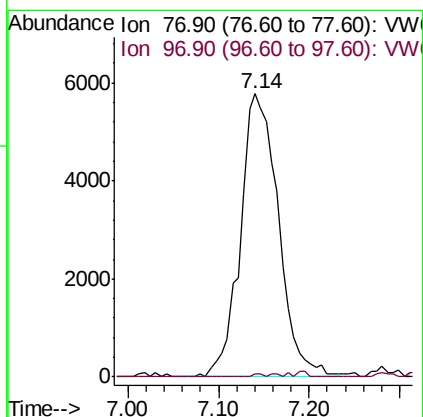
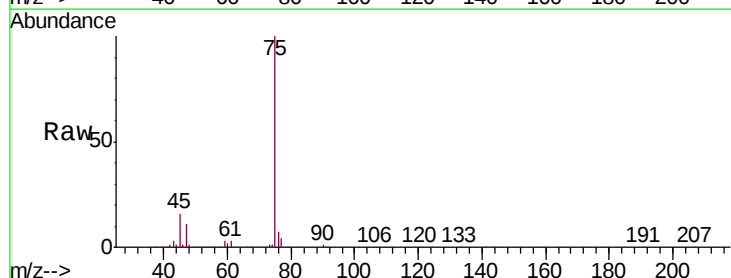
Acq: 25 Feb 2019 16:44

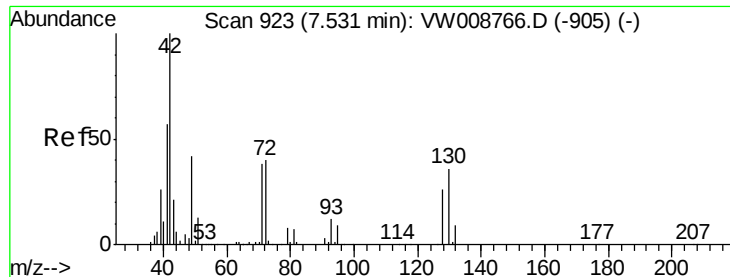
Tgt Ion: 77 Resp: 16748

Ion Ratio Lower Upper

77 100

97 0.3 11.0 33.0#

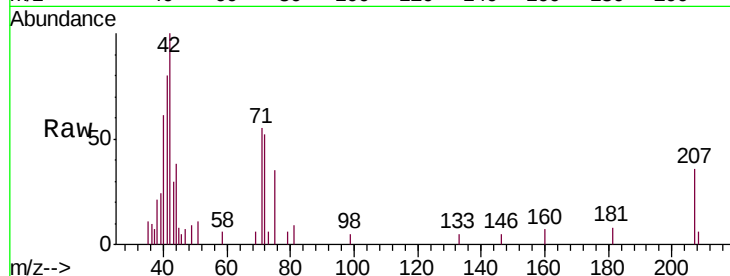




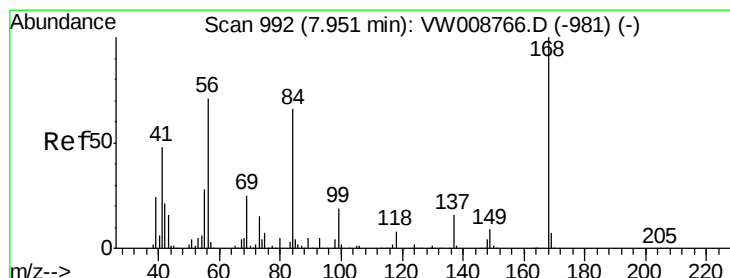
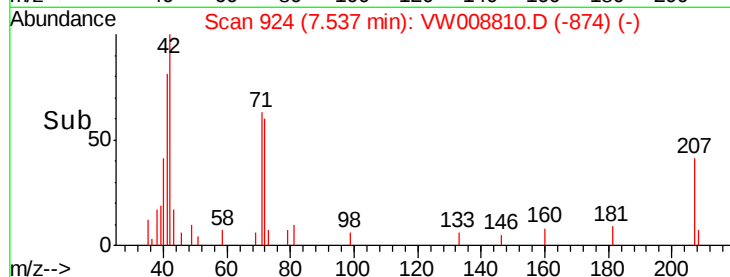
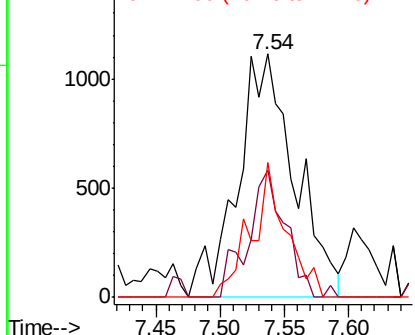
#29
Tetrahydrofuran
Concen: 4.785 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008810.D
Acq: 25 Feb 2019 16:44

Instrument :
MSVOA_W
ClientSampleId :
OK-03-022219-A

Tgt Ion: 42 Resp: 3427
Ion Ratio Lower Upper
42 100
72 34.0 32.7 49.1
71 33.8 31.3 46.9

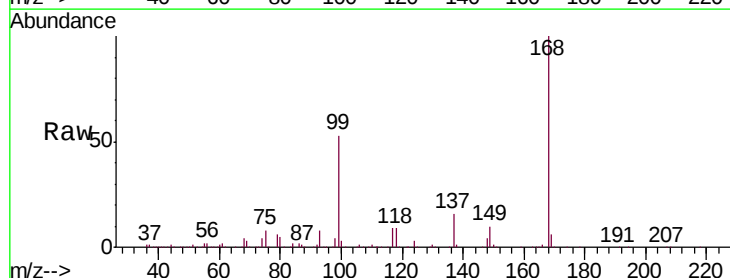


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

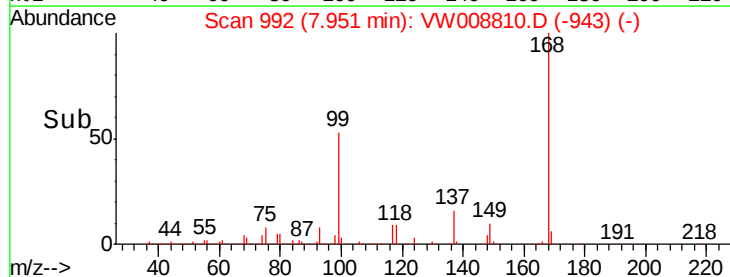
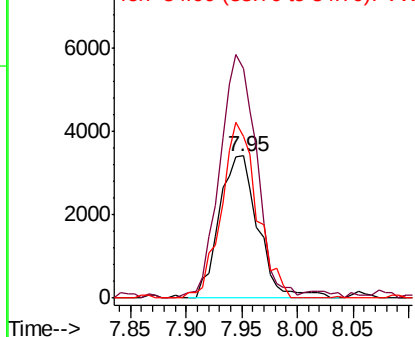


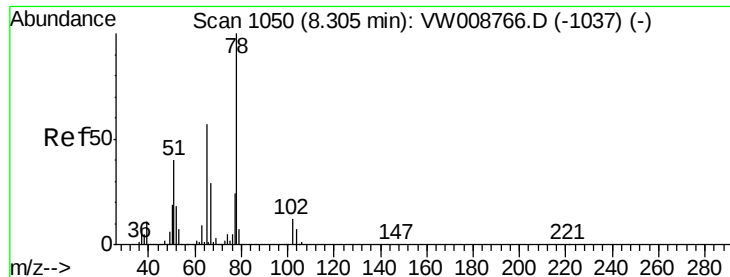
#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008810.D
Acq: 25 Feb 2019 16:44

Tgt Ion: 56 Resp: 8238
Ion Ratio Lower Upper
56 100
69 157.0 28.2 42.4#
84 112.0 74.1 111.1#



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

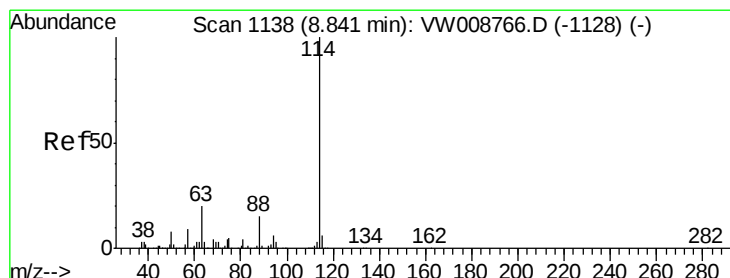
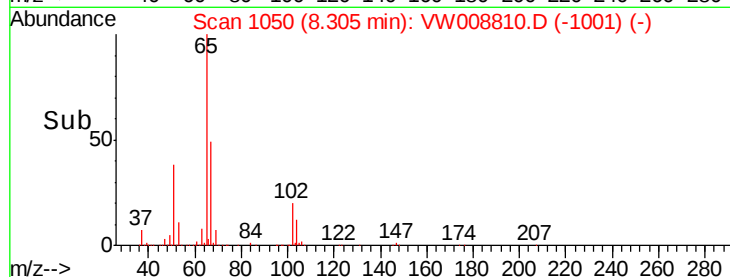
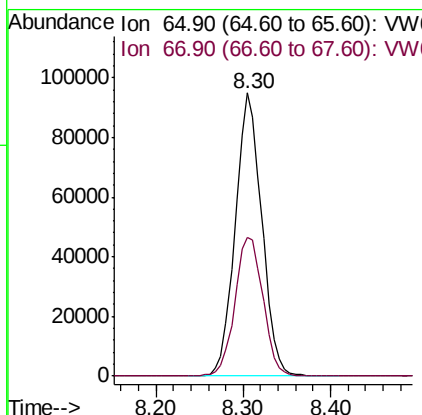
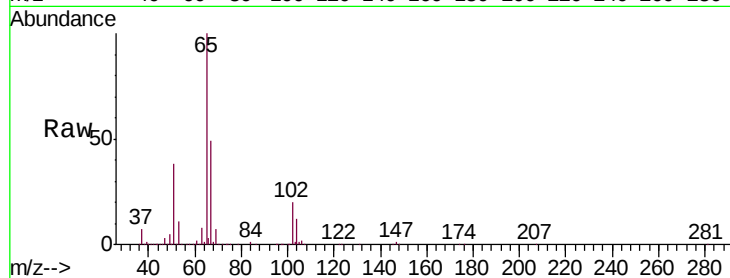




#33
 1,2-Dichloroethane-d4
 Concen: 57.651 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008810.D
 Acq: 25 Feb 2019 16:44

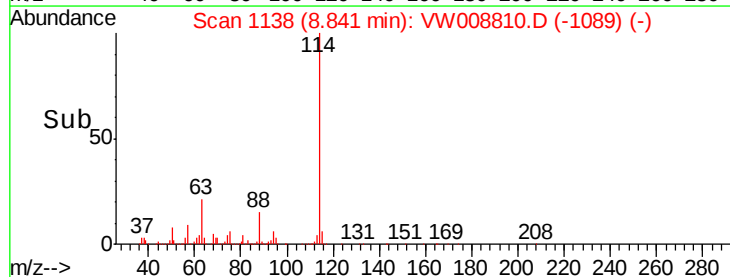
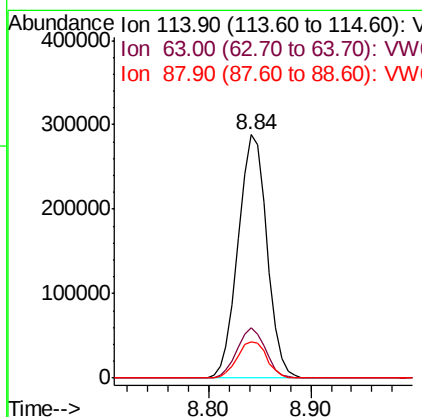
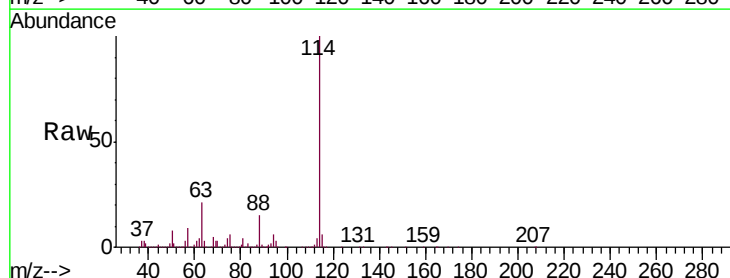
Instrument :
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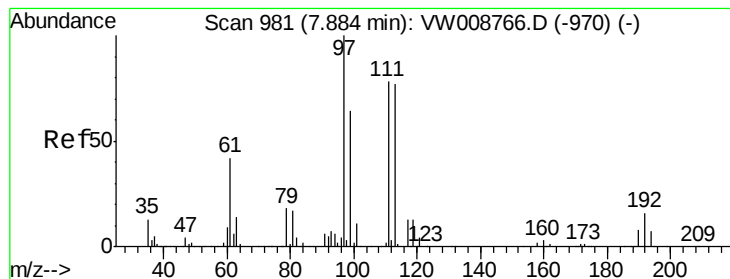
Tgt Ion: 65 Resp: 199921
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008810.D
 Acq: 25 Feb 2019 16:44

Tgt Ion: 114 Resp: 566684
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.363 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

Instrument :

MSVOA_W

ClientSampleID :

OK-03-022219-A

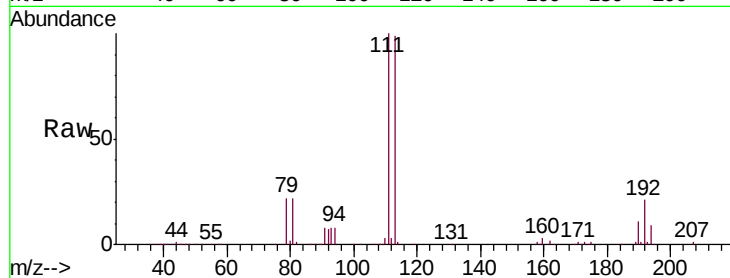
Tgt Ion:113 Resp: 178162

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

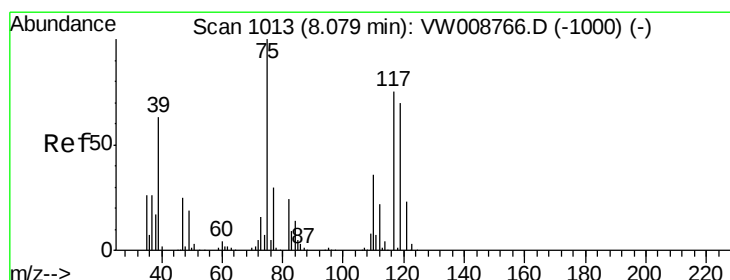
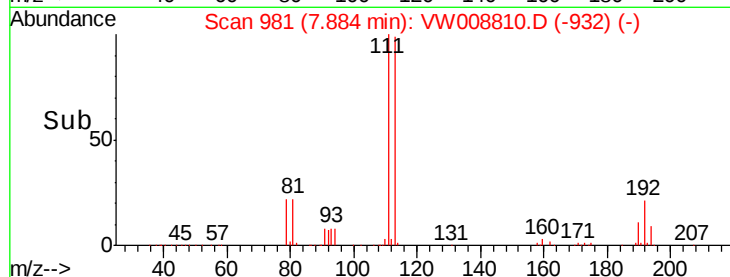
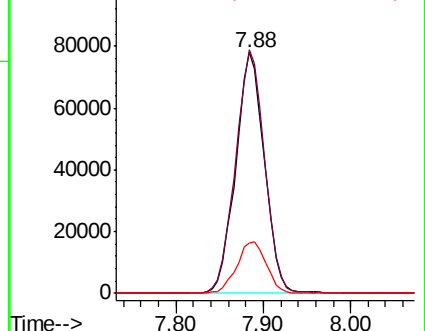
192 22.0 17.1 25.7



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: 5.067 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

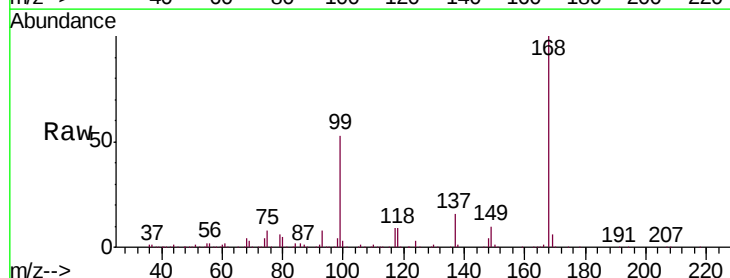
Tgt Ion: 75 Resp: 27952

Ion Ratio Lower Upper

75 100

110 9.0 17.5 52.6#

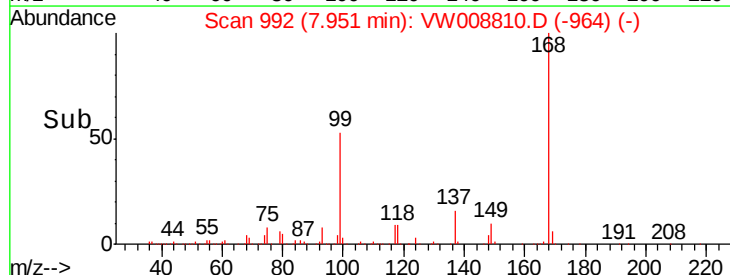
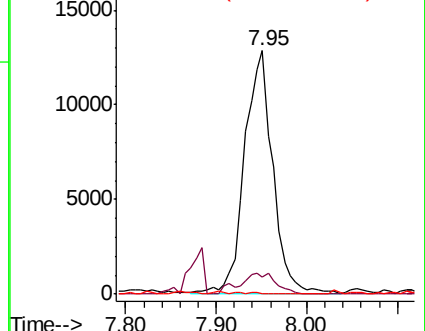
77 0.0 24.5 36.7#

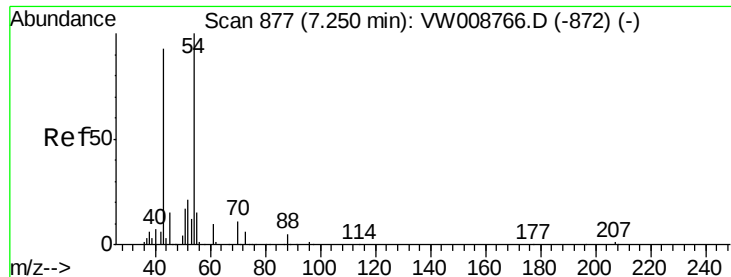


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 5.175 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.10 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

Instrument :

MSVOA_W

ClientSampleId :

OK-03-022219-A

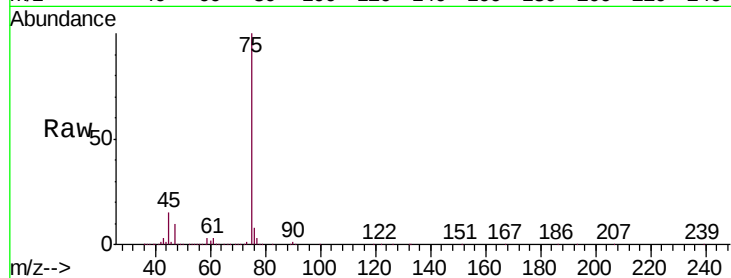
Tgt Ion: 43 Resp: 13276

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

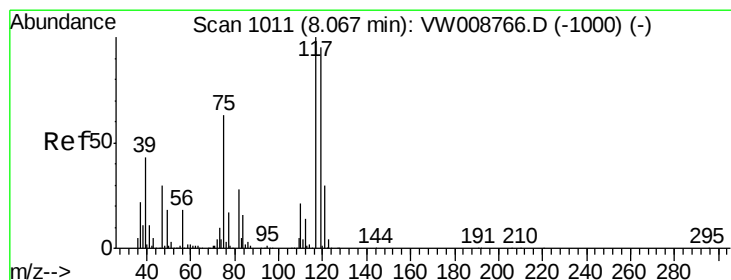
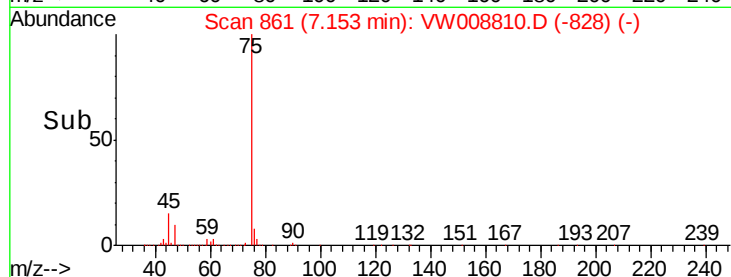
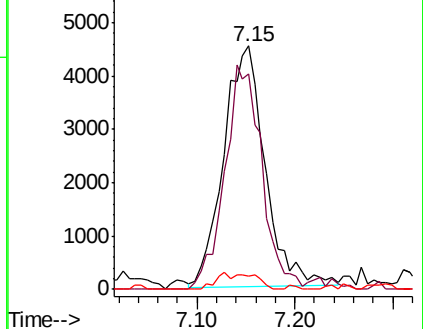
70 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.845 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

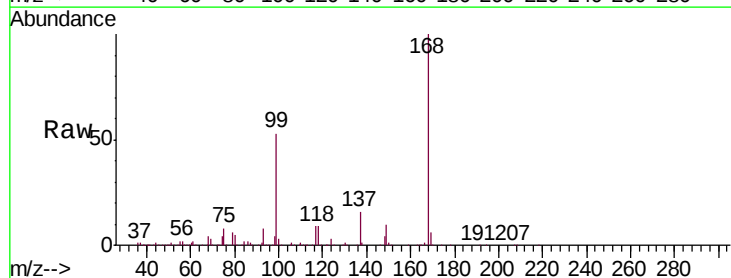
Tgt Ion: 117 Resp: 34004

Ion Ratio Lower Upper

117 100

119 3.6 76.1 114.1#

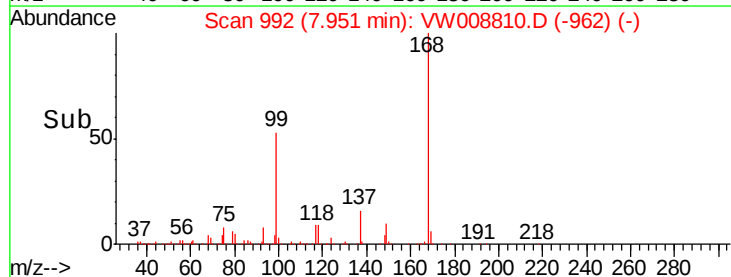
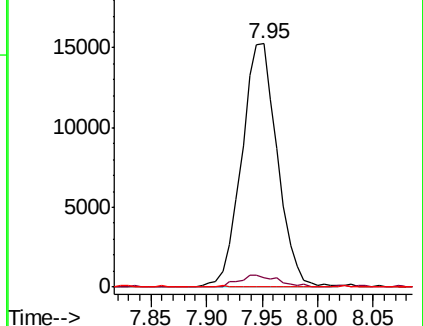
121 0.4 24.0 36.0#

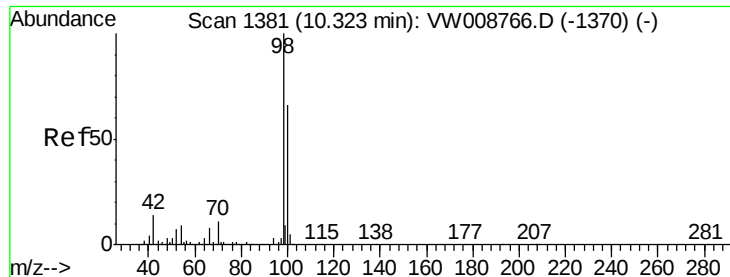


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.242 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

Instrument :

MSVOA_W

ClientSampleId :

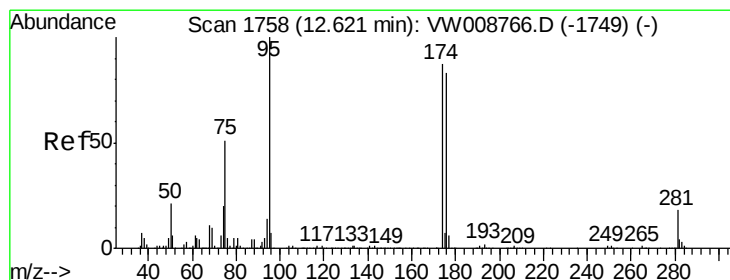
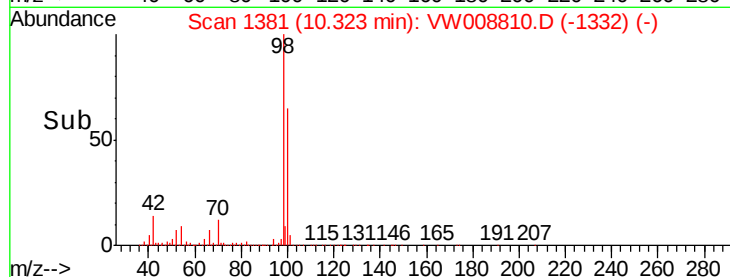
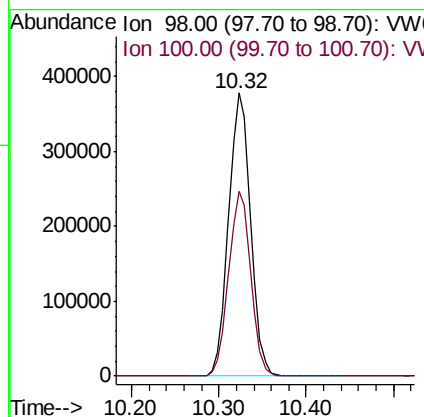
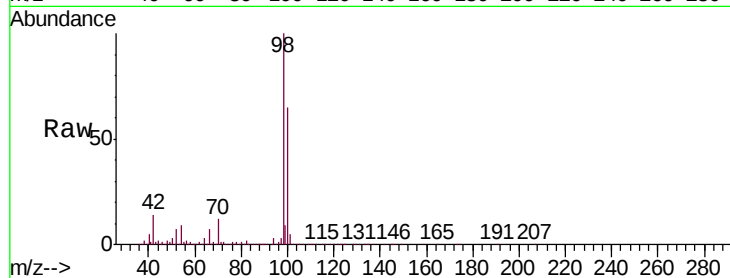
OK-03-022219-A

Tgt Ion: 98 Resp: 659906

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 42.359 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

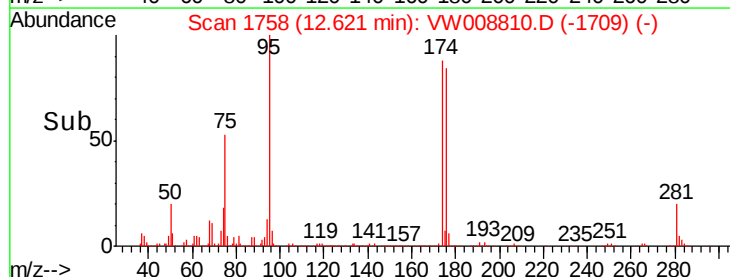
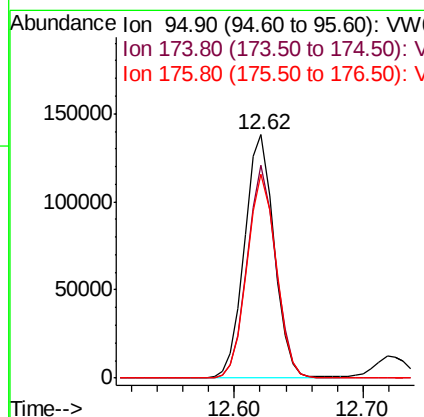
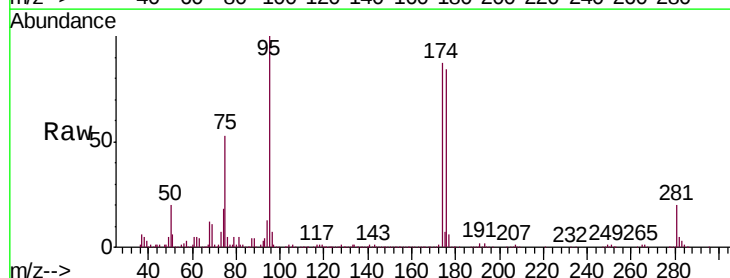
Tgt Ion: 95 Resp: 217840

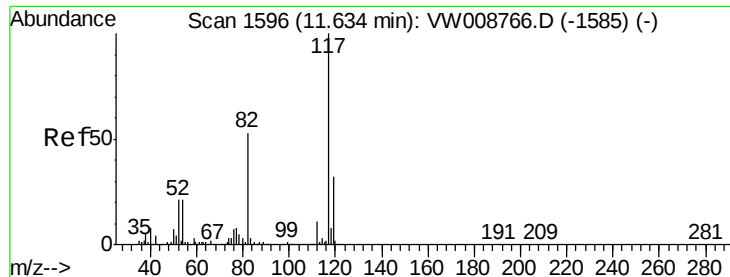
Ion Ratio Lower Upper

95 100

174 84.0 0.0 169.2

176 82.8 0.0 163.6

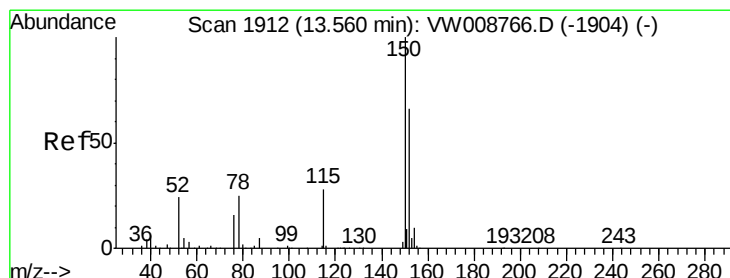
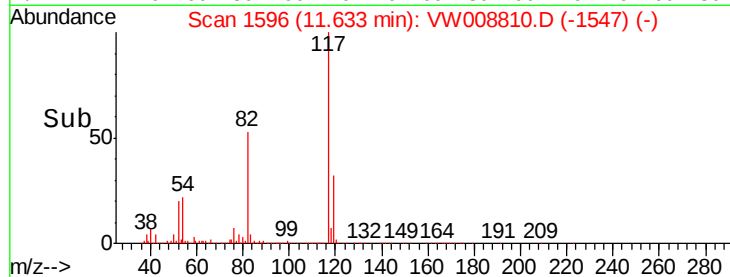
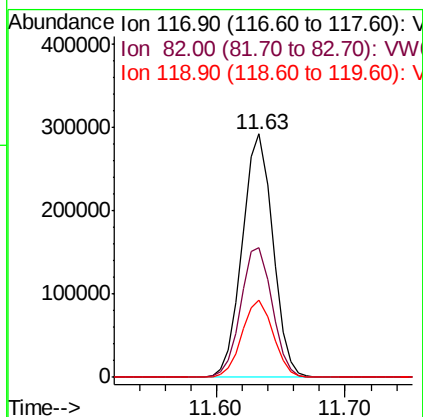
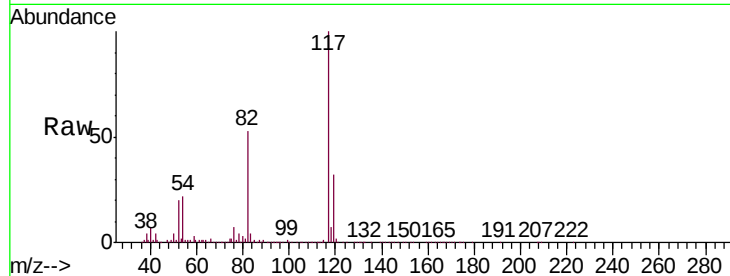




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008810.D
Acq: 25 Feb 2019 16:44

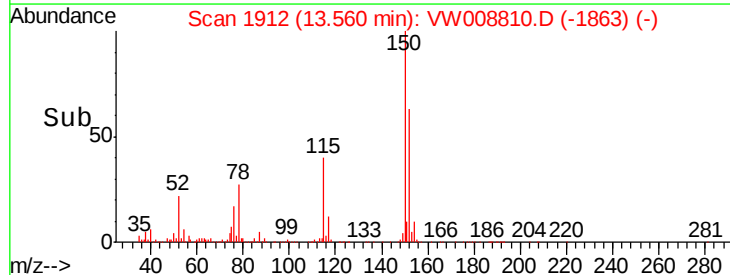
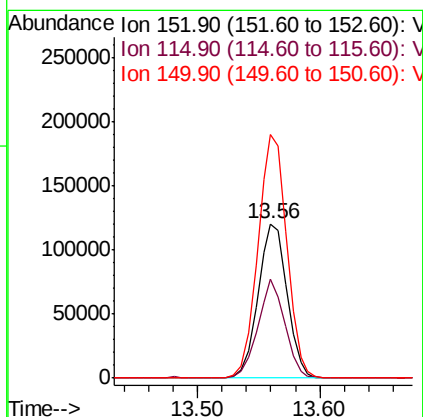
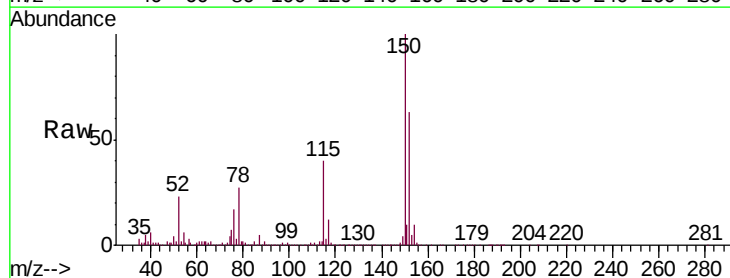
Instrument :
MSVOA_W
ClientSampleId :
OK-03-022219-A

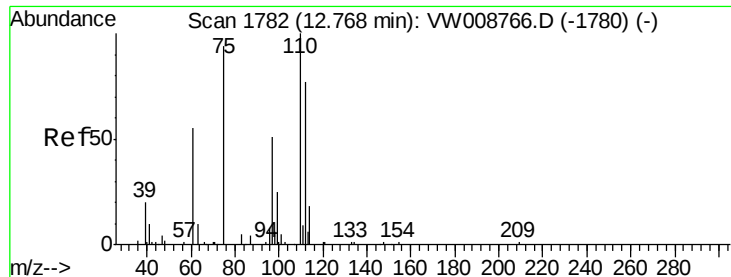
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.4
119	31.7	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008810.D
Acq: 25 Feb 2019 16:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.6	85.8
150	157.4	0.0	348.0





#76

1,2,3-Trichloropropane

Concen: 69.195 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

Instrument :

MSVOA_W

ClientSampleId :

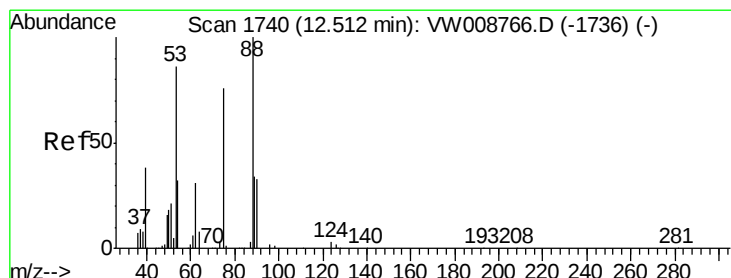
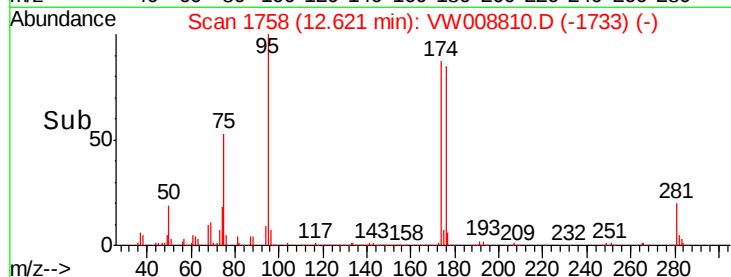
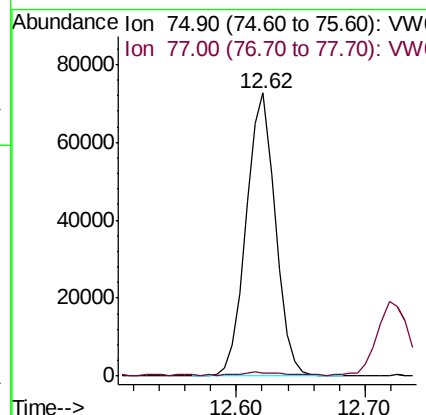
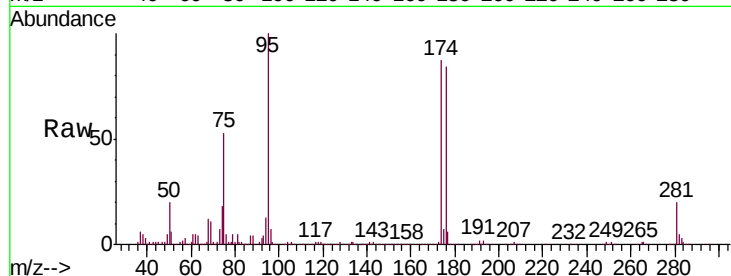
OK-03-022219-A

Tgt Ion: 75 Resp: 113338

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 168.218 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008810.D

Acq: 25 Feb 2019 16:44

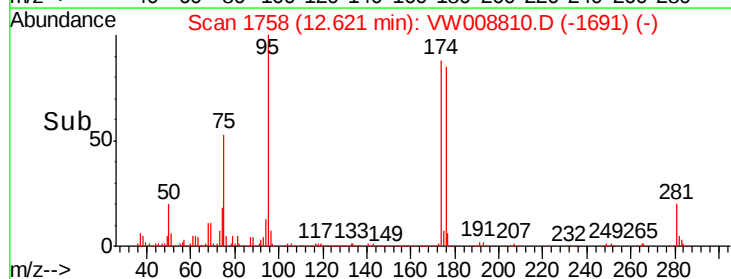
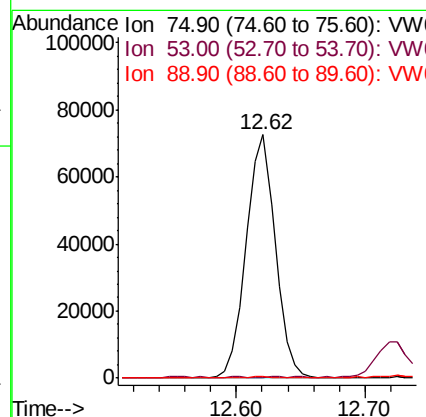
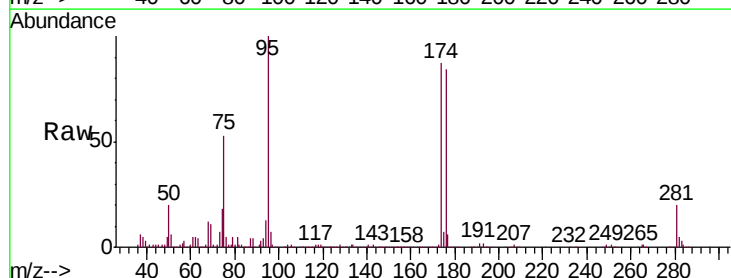
Tgt Ion: 75 Resp: 113338

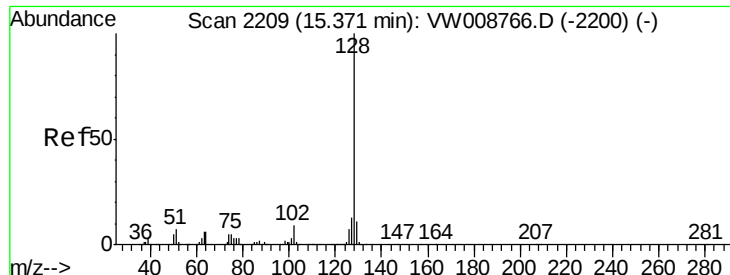
Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.4 39.5 59.3#

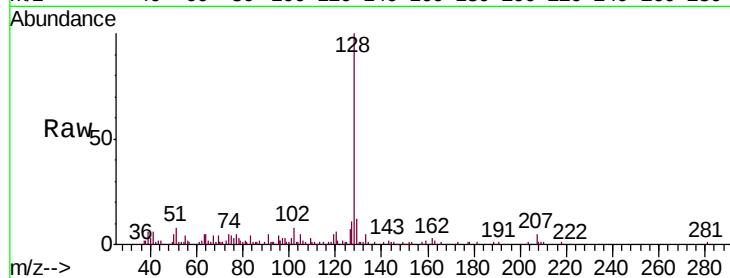




#95
 Naphthalene
 Concen: 4.465 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW008810.D
 Acq: 25 Feb 2019 16:44

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-022219-A

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.8	16.2
129	12.9	8.7	13.1



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

