

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008890.D
 Acq On : 28 Feb 2019 16:29
 Operator : SY/VA
 Sample : K1650-13
 Misc : 4.51G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-6(9-10)

Quant Time: Mar 01 06:01:22 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	366074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	561417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	490451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	237624	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	194971	56.79	ug/l	0.00
Spiked Amount			Recovery	=	113.58%	
35) Dibromofluoromethane	7.88	113	173505	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	10.32	98	657711	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.62	95	228162	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	

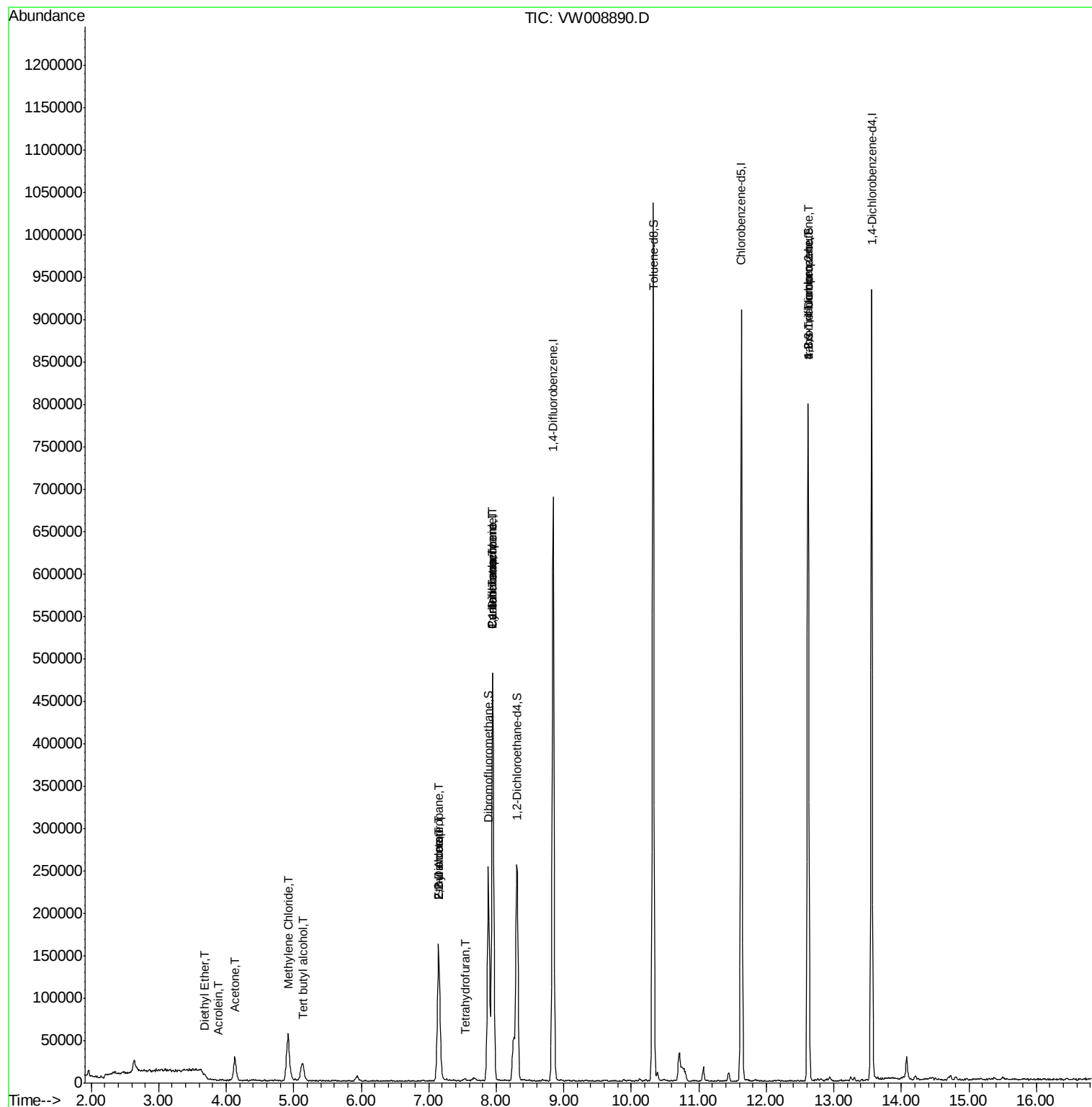
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	2425	1.282	ug/l	88
11) Tert butyl alcohol	5.13	59	19735	64.563	ug/l #	74
13) Acrolein	3.89	56	67	19.971	ug/l #	1
16) Acetone	4.12	43	46965	59.013	ug/l	98
20) Methylene Chloride	4.92	84	39702	5.589	ug/l	92
25) 2-Butanone	7.15	43	9812	8.819	ug/l #	79
26) 2,2-Dichloropropane	7.14	77	10621	1.829	ug/l #	54
29) Tetrahydrofuran	7.55	42	2167	3.056	ug/l	97
31) Cyclohexane	7.95	56	7968	1.231	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	26951	4.932	ug/l #	51
37) Ethyl Acetate	7.15	43	9812	3.861	ug/l #	6
38) Carbon Tetrachloride	7.95	117	35410	6.144	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	120905	61.626	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	120905	149.819	ug/l #	6

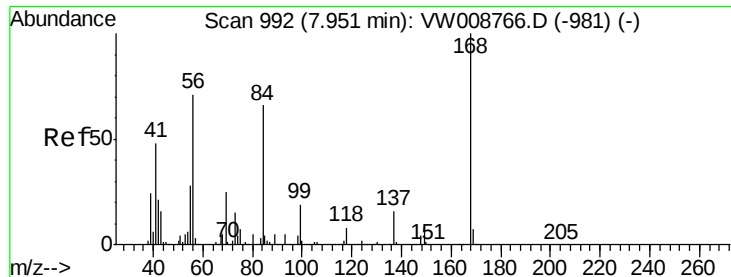
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022819\
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B-6(9-10)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

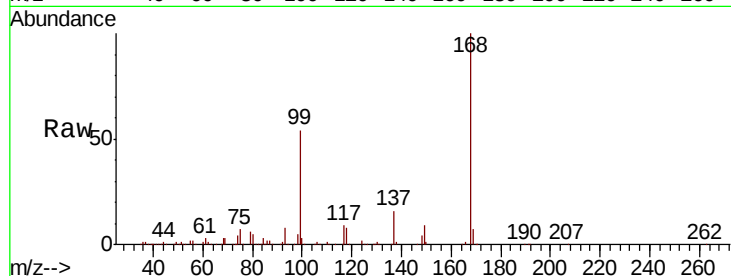
B-6(9-10)

Tot Ion:168 Resp: 366074

Ion Ratio Lower Upper

168 100

99 53.7 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

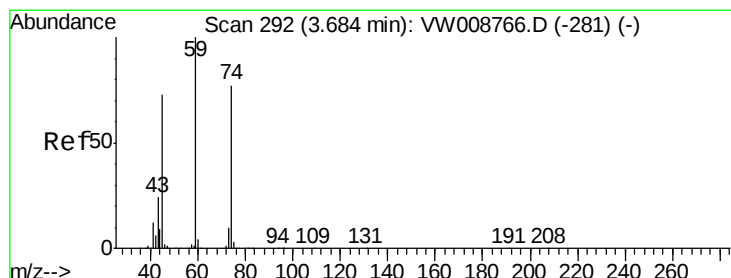
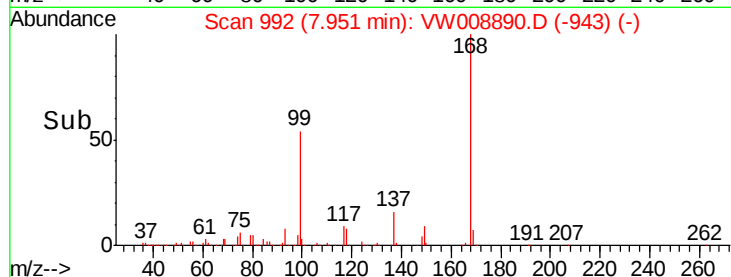
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.282 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008890.D

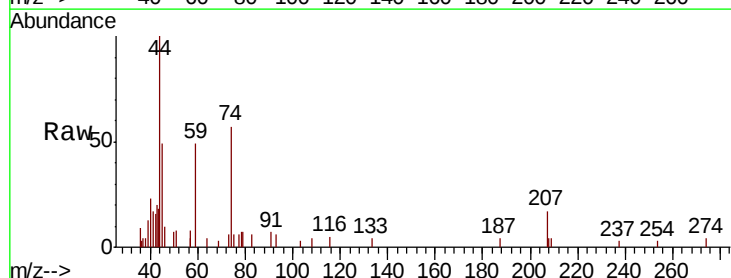
Acq: 28 Feb 2019 16:29

Tgt Ion: 74 Resp: 2425

Ion Ratio Lower Upper

74 100

45 88.4 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

1200

1000

800

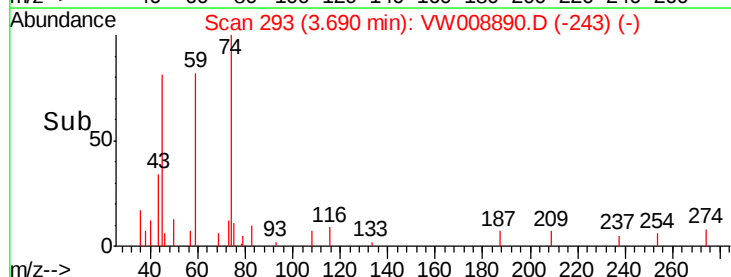
600

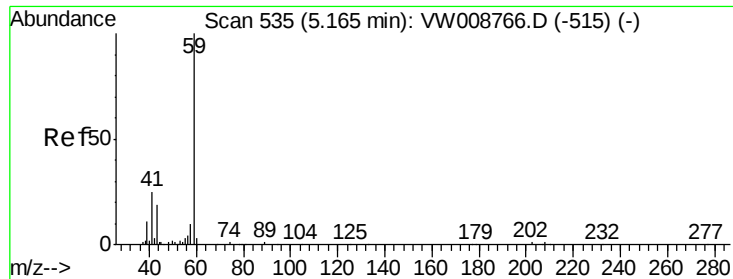
400

200

0

Time--> 3.60 3.65 3.70 3.75



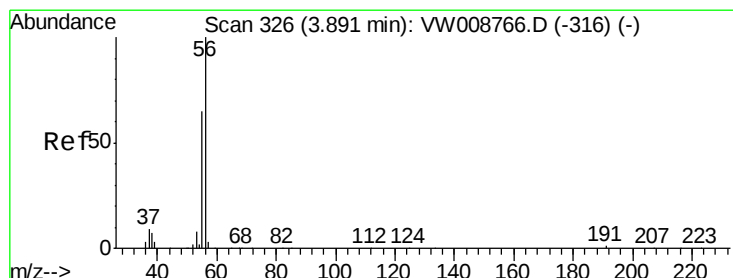
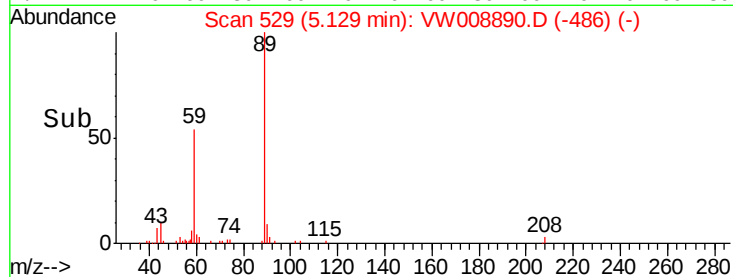
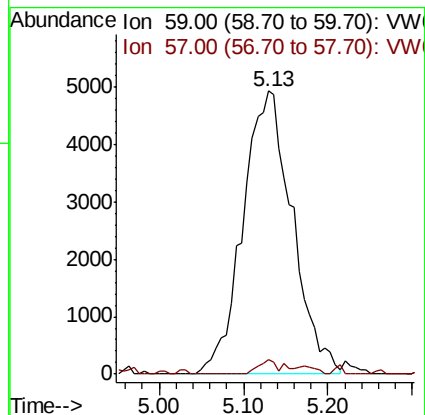
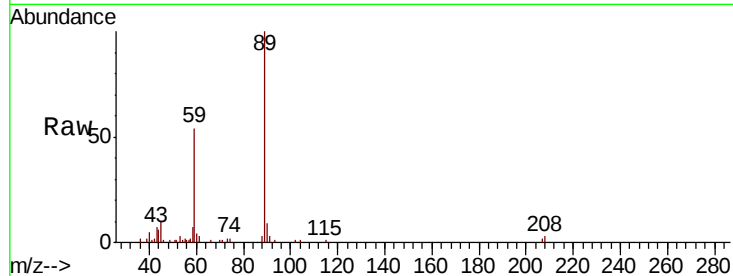


#11

Tert butyl alcohol
 Concen: 64.563 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW008890.D
 Acq: 28 Feb 2019 16:29

Instrument :
 MSVOA_W
 ClientSampled :
 B-6(9-10)

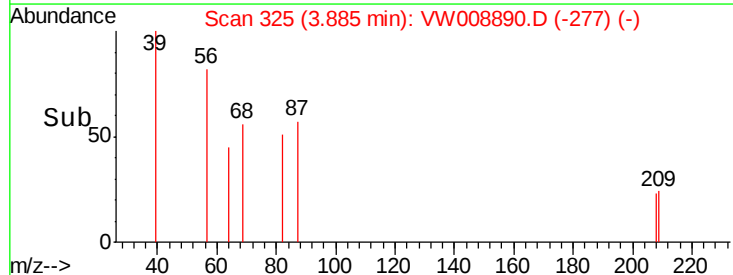
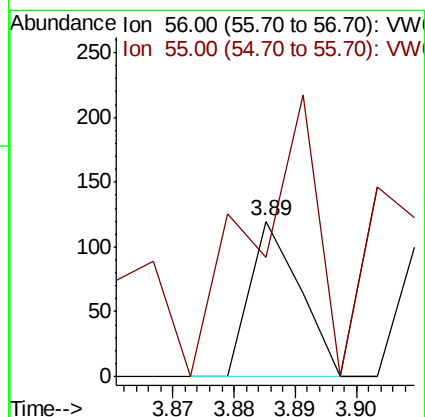
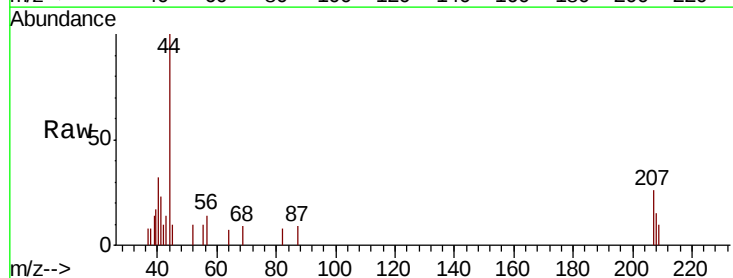
Tot Ion: 59 Resp: 19735
 Ion Ratio Lower Upper
 59 100
 57 1.7 9.3 13.9#

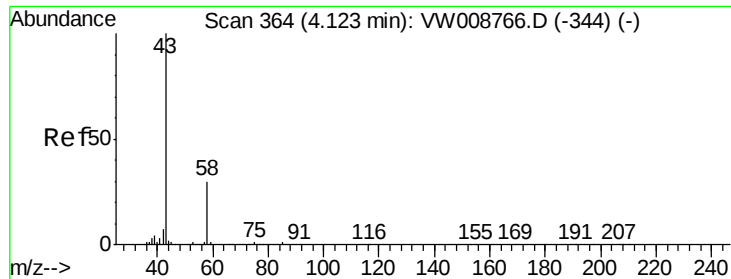


#13

Acrolein
 Concen: 19.971 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW008890.D
 Acq: 28 Feb 2019 16:29

Tgt Ion: 56 Resp: 67
 Ion Ratio Lower Upper
 56 100
 55 237.3 56.9 85.3#





#16

Acetone

Concen: 59.013 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

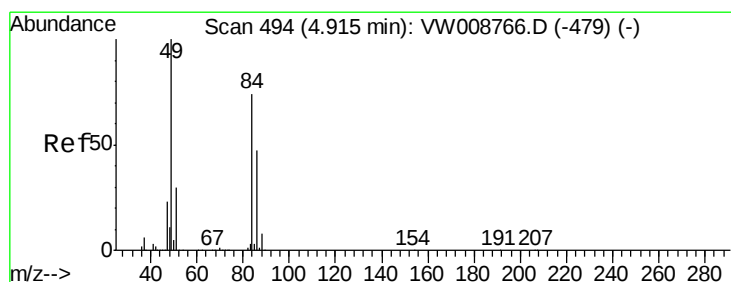
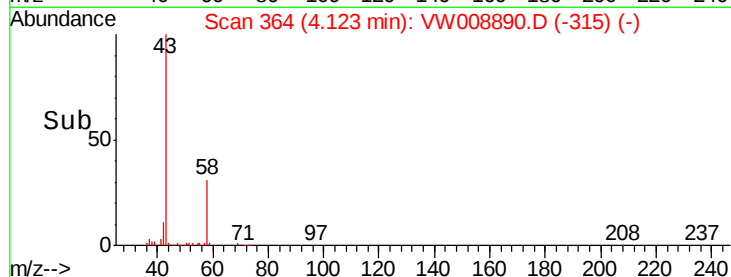
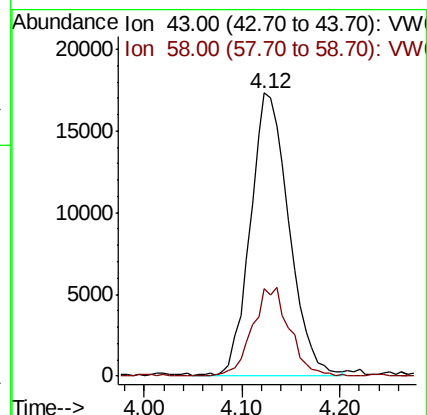
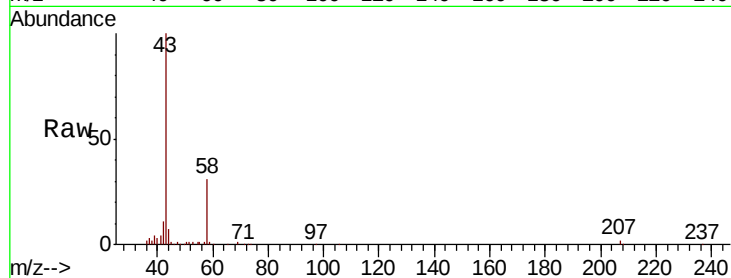
B-6(9-10)

Tot Ion: 43 Resp: 46965

Ion Ratio Lower Upper

43 100

58 30.9 23.8 35.6



#20

Methylene Chloride

Concen: 5.589 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

Tgt Ion: 84 Resp: 39702

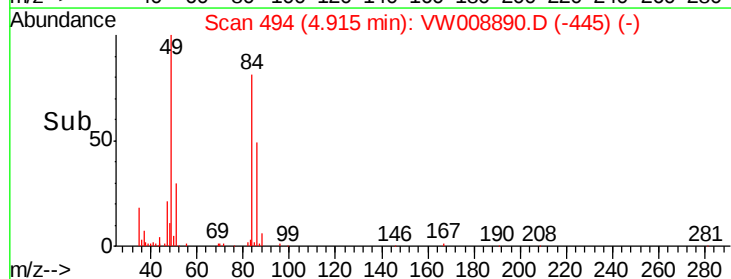
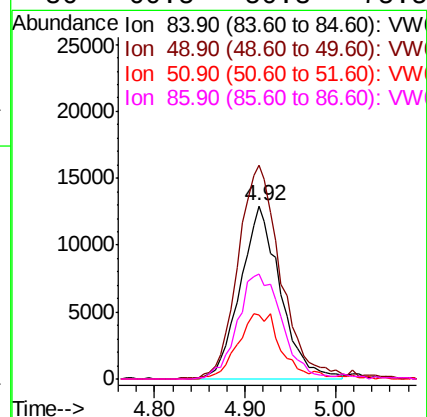
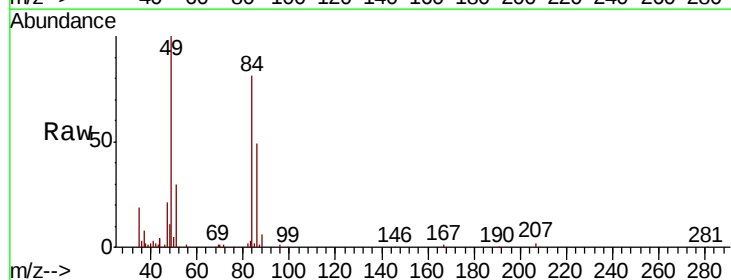
Ion Ratio Lower Upper

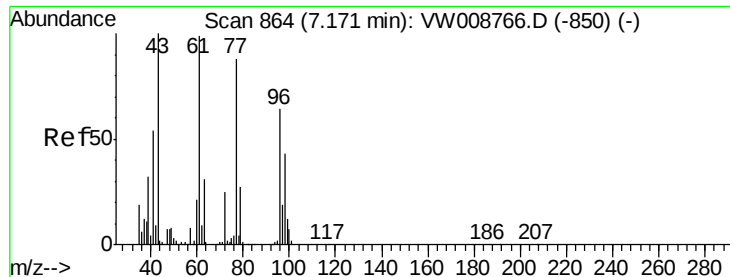
84 100

49 122.7 108.2 162.2

51 36.9 32.7 49.1

86 60.5 50.3 75.5





#25

2-Butanone

Concen: 8.819 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

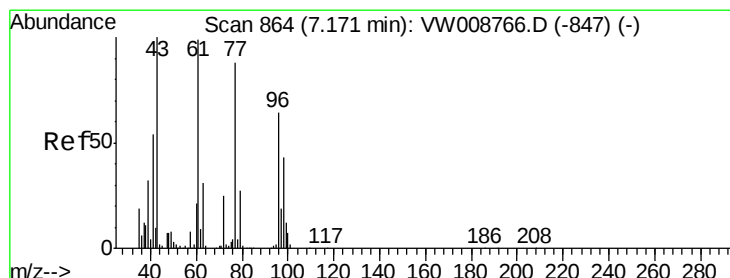
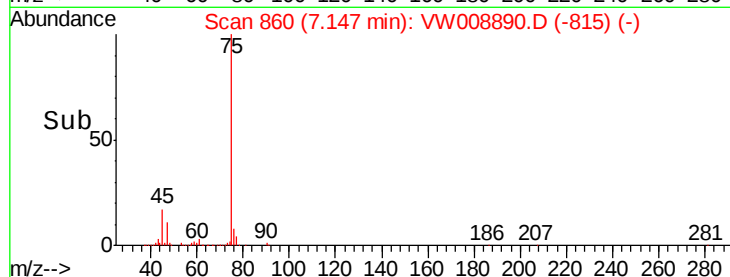
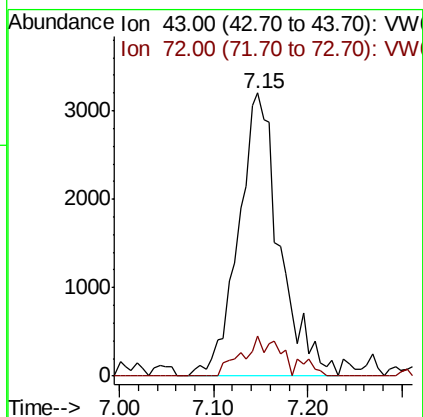
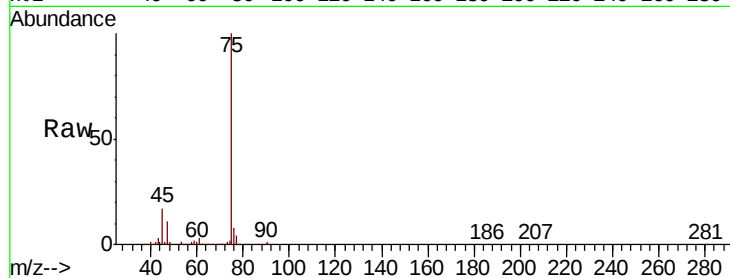
B-6(9-10)

Tot Ion: 43 Resp: 9812

Ion Ratio Lower Upper

43 100

72 14.4 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.829 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008890.D

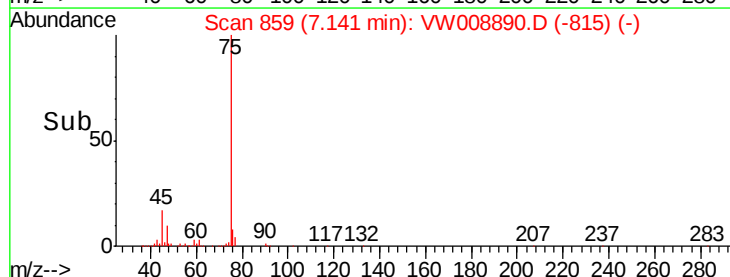
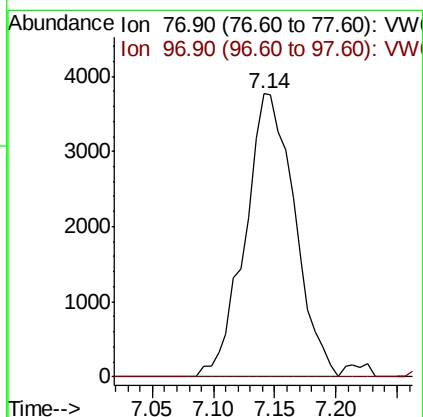
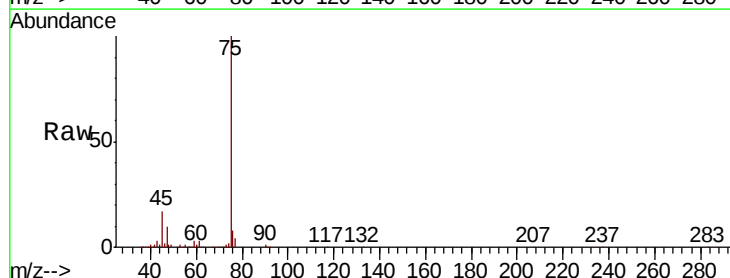
Acq: 28 Feb 2019 16:29

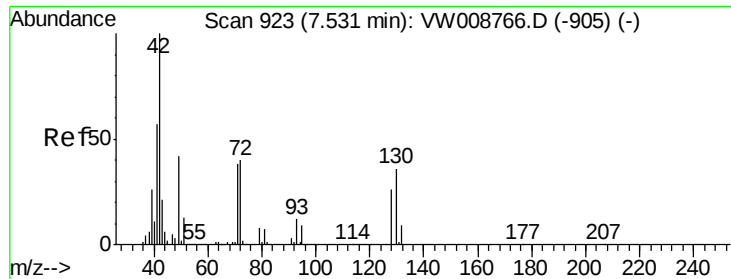
Tgt Ion: 77 Resp: 10621

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

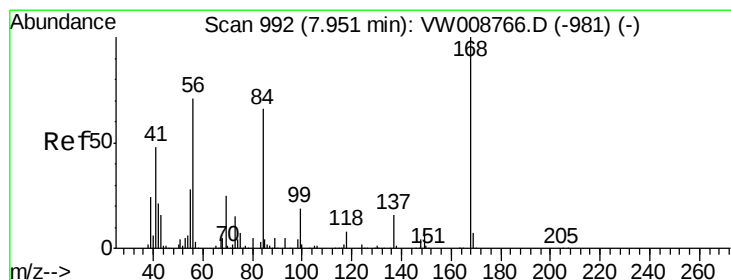
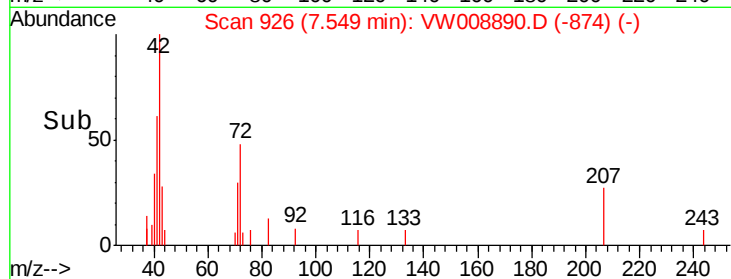
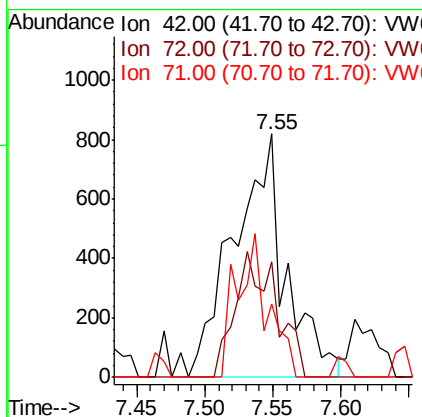
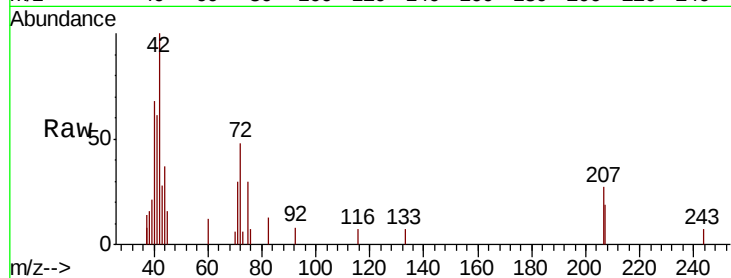




#29
Tetrahydrofuran
Concen: 3.056 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW008890.D
Acq: 28 Feb 2019 16:29

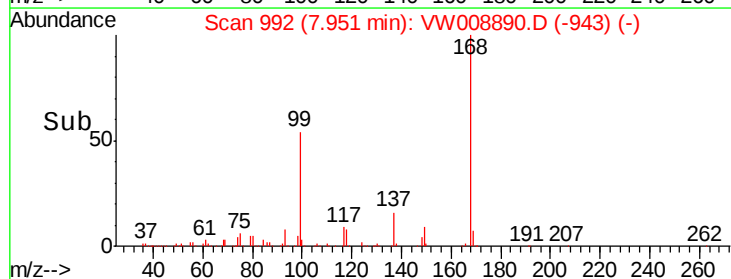
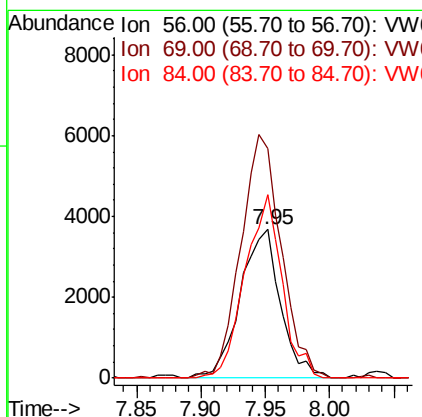
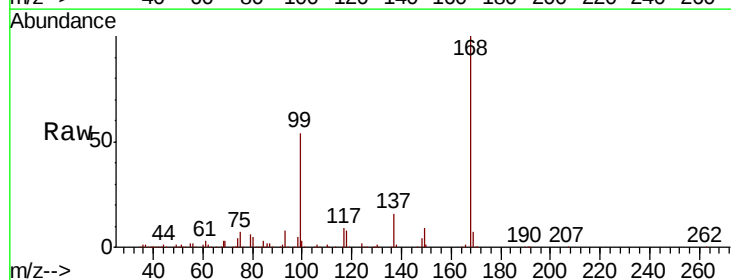
Instrument :
MSVOA_W
ClientSampled :
B-6(9-10)

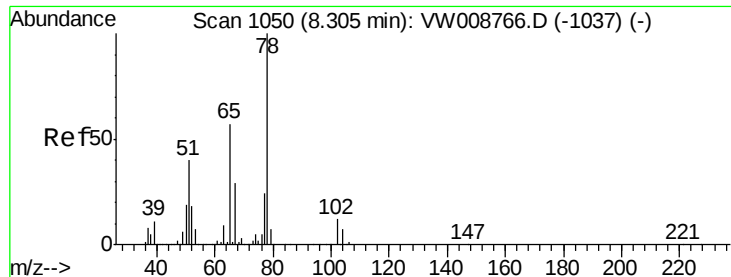
Tot Ion: 42 Resp: 2167
Ion Ratio Lower Upper
42 100
72 41.3 32.7 49.1
71 35.8 31.3 46.9



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008890.D
Acq: 28 Feb 2019 16:29

Tgt Ion: 56 Resp: 7968
Ion Ratio Lower Upper
56 100
69 154.5 28.2 42.4#
84 123.3 74.1 111.1#

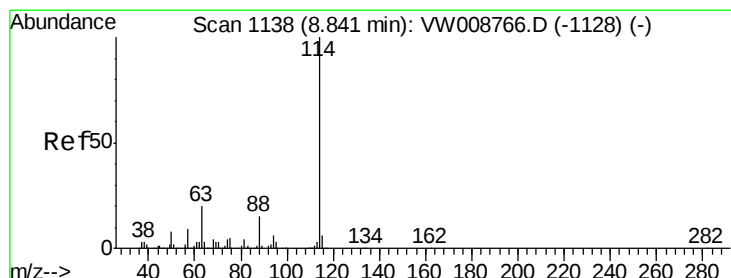
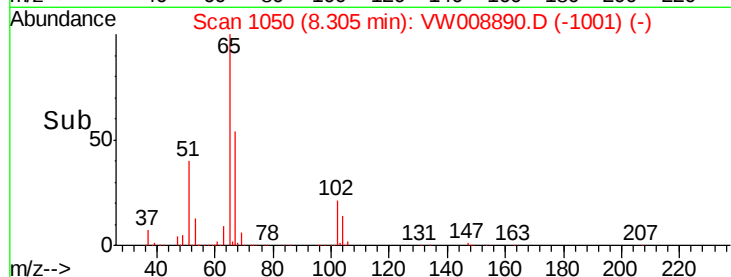
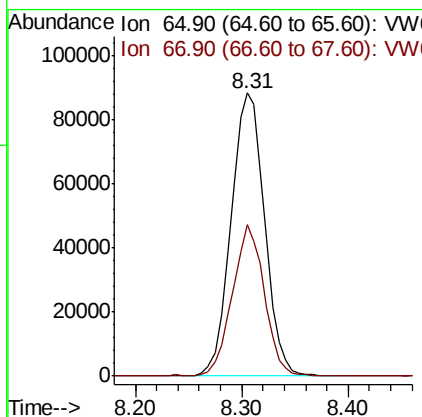
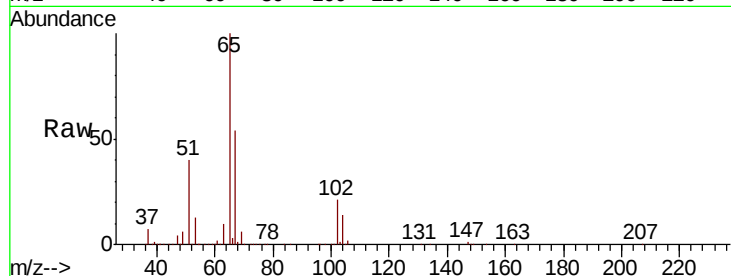




#33
 1,2-Dichloroethane-d4
 Concen: 56.786 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008890.D
 Acq: 28 Feb 2019 16:29

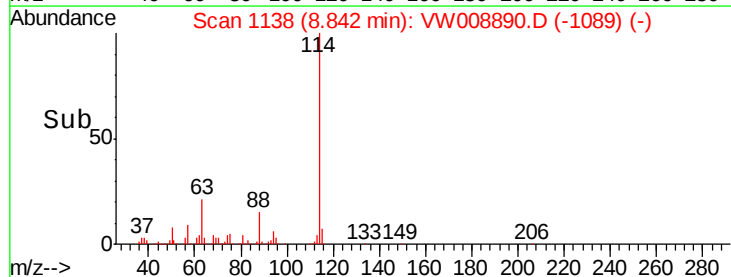
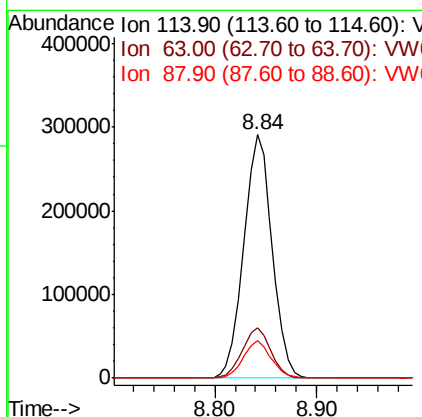
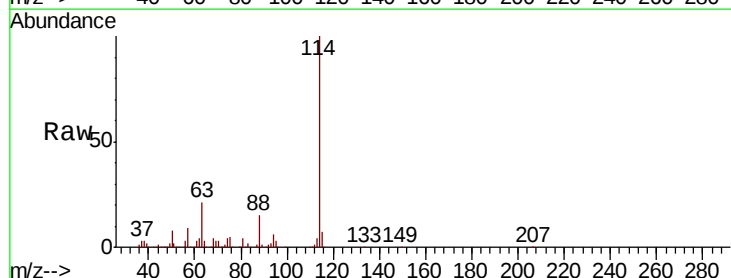
Instrument :
 MSVOA_W
 ClientSampleId :
 B-6(9-10)

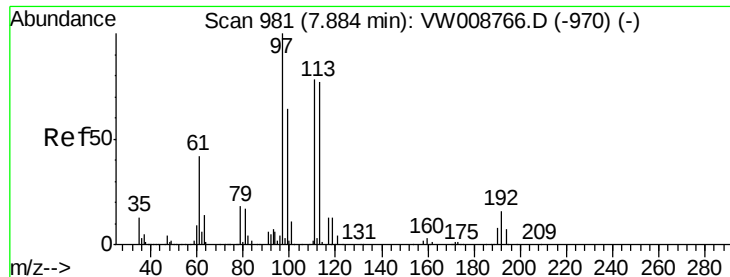
Tot Ion: 65 Resp: 194971
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008890.D
 Acq: 28 Feb 2019 16:29

Tgt Ion: 114 Resp: 561417
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.473 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
B-6(9-10)

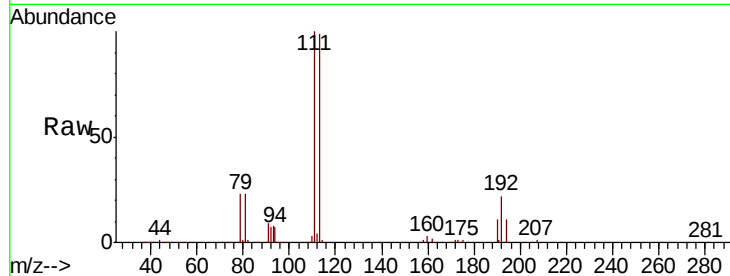
Tot Ion:113 Resp: 173505

Ion Ratio Lower Upper

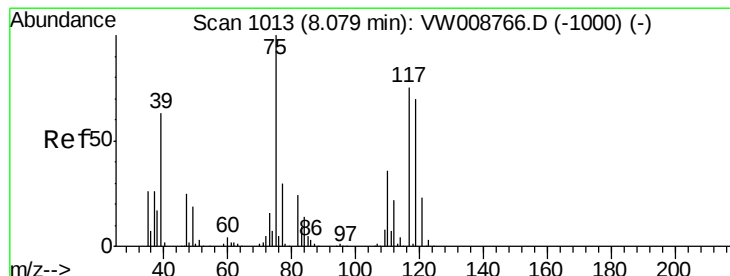
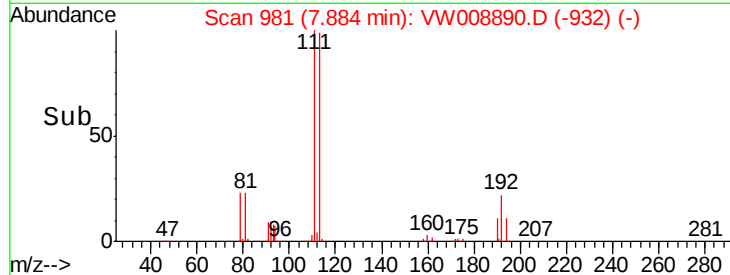
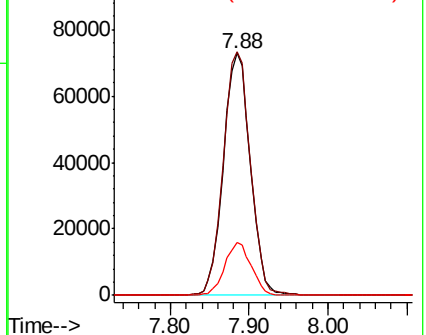
113 100

111 101.2 81.9 122.9

192 21.5 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: 4.932 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

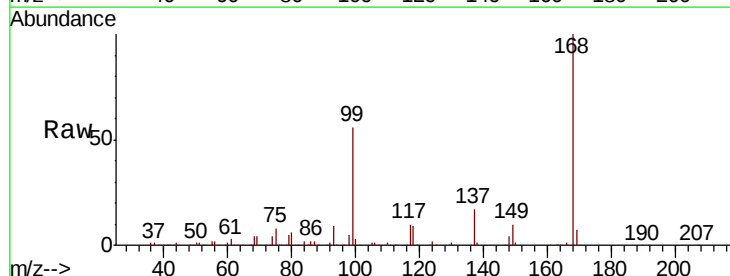
Tgt Ion: 75 Resp: 26951

Ion Ratio Lower Upper

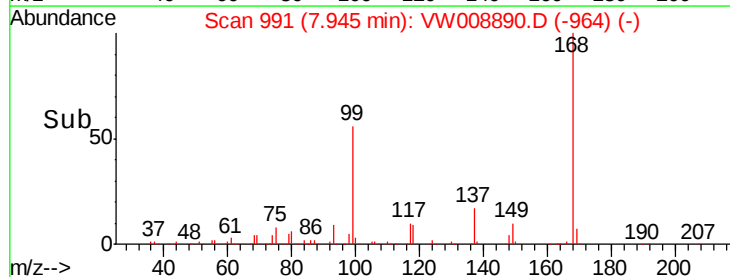
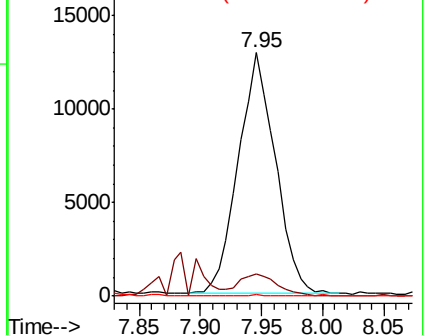
75 100

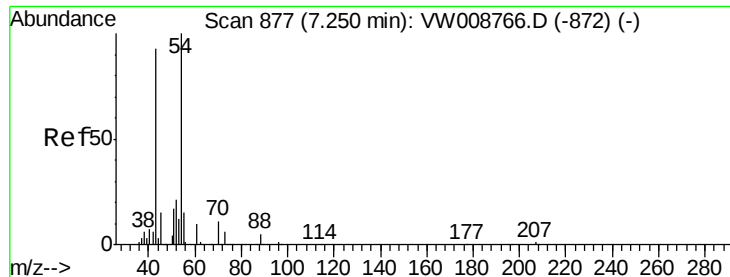
110 9.9 17.5 52.6#

77 0.1 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: 3.861 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.10 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

B-6(9-10)

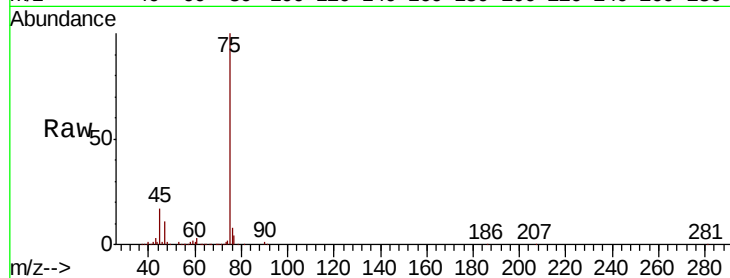
Tot Ion: 43 Resp: 9812

Ion Ratio Lower Upper

43 100

61 74.2 9.8 14.8#

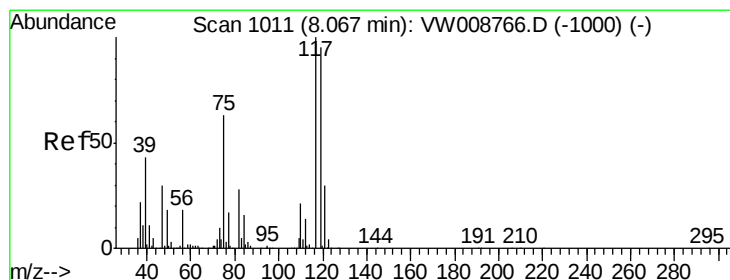
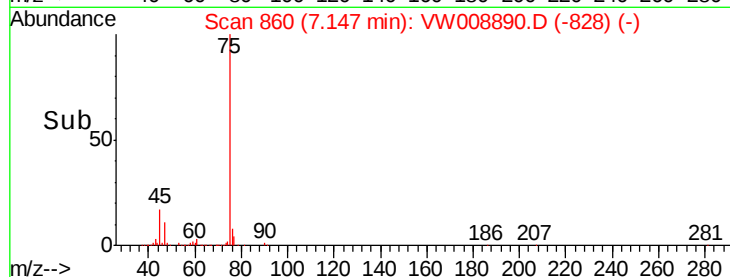
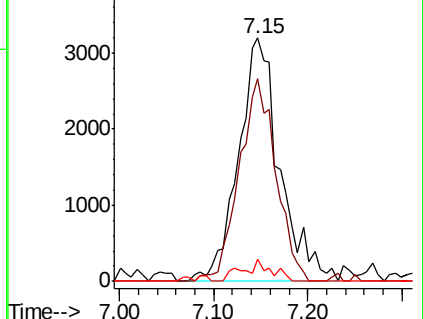
70 3.5 8.4 12.6#



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: 6.144 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

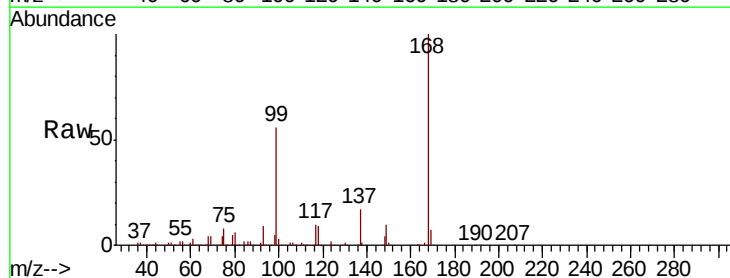
Tgt Ion: 117 Resp: 35410

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

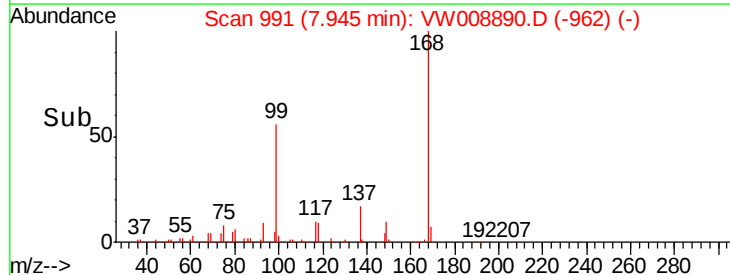
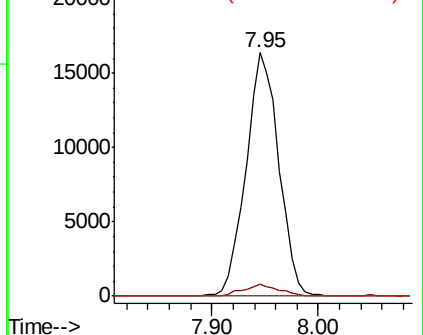
121 0.0 24.0 36.0#

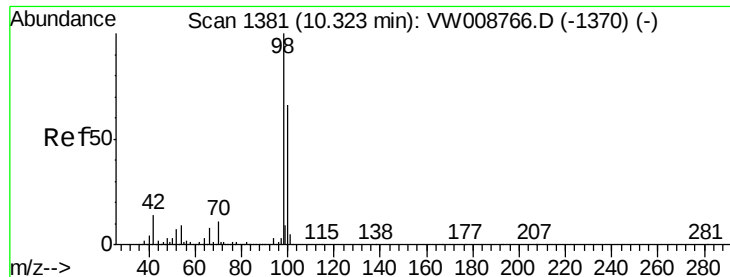


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.545 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

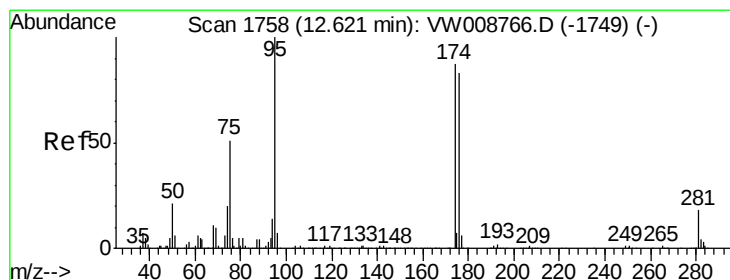
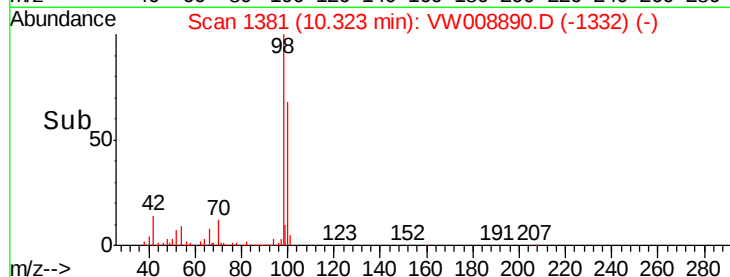
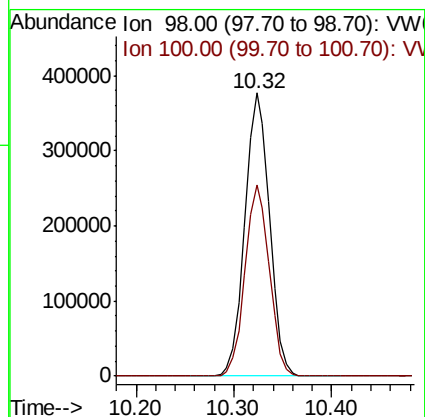
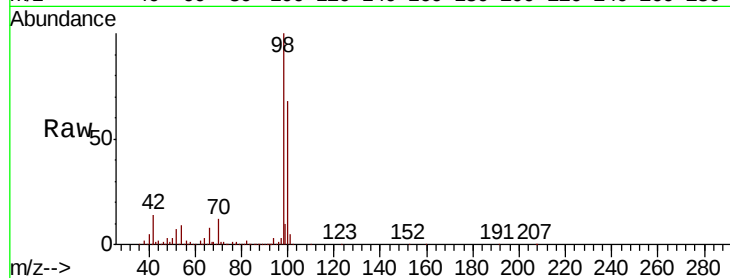
B-6(9-10)

Tot Ion: 98 Resp: 657711

Ion Ratio Lower Upper

98 100

100 66.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 44.783 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

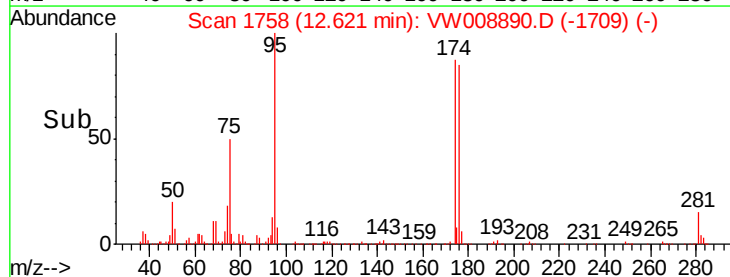
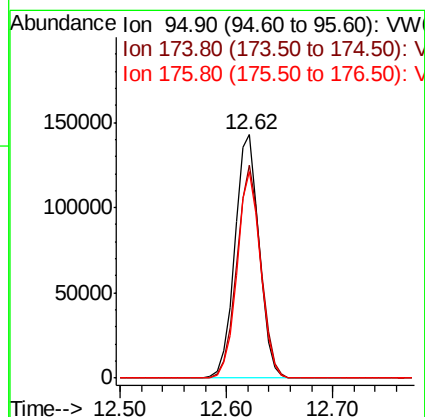
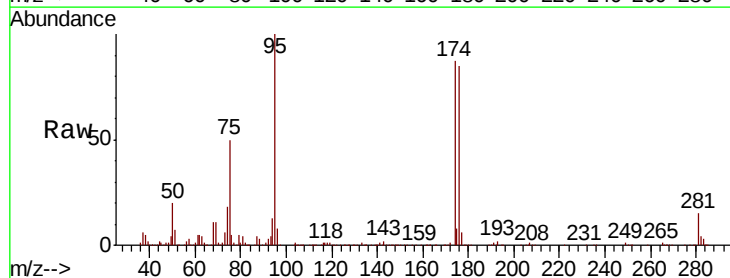
Tgt Ion: 95 Resp: 228162

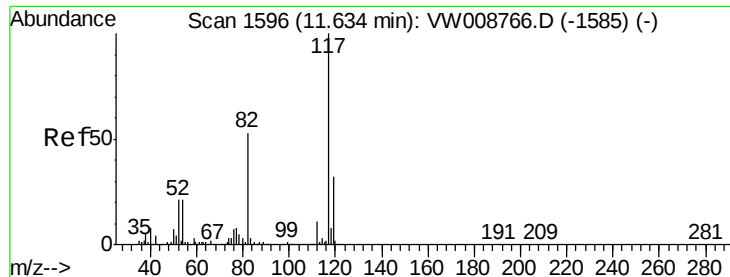
Ion Ratio Lower Upper

95 100

174 86.6 0.0 169.2

176 82.0 0.0 163.6

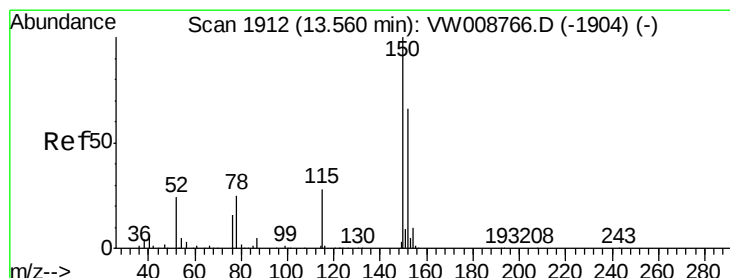
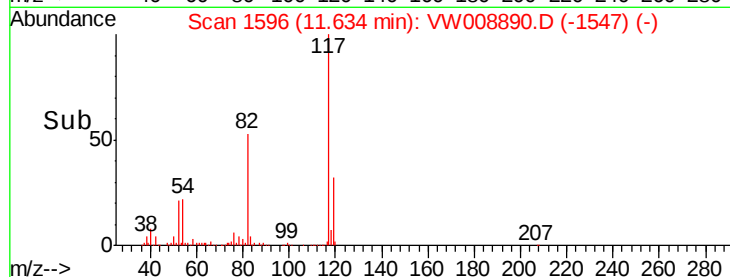
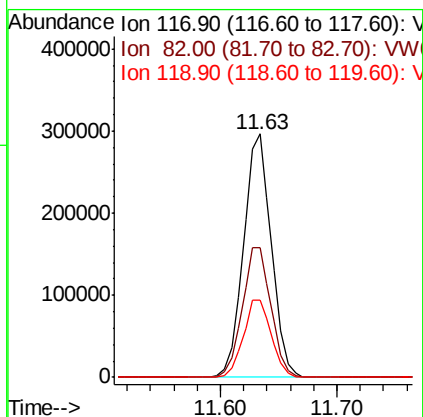
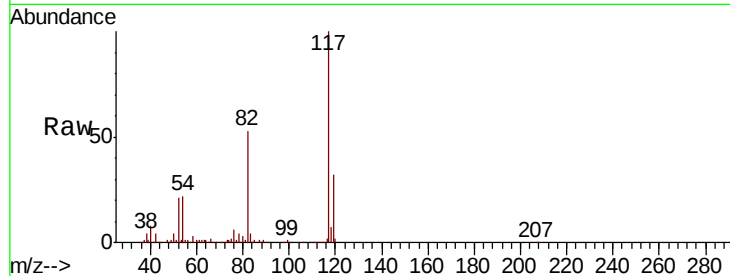




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008890.D
Acq: 28 Feb 2019 16:29

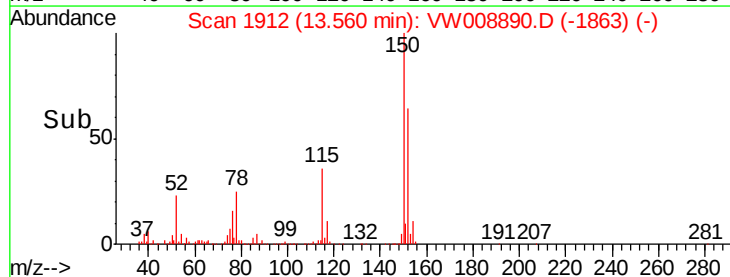
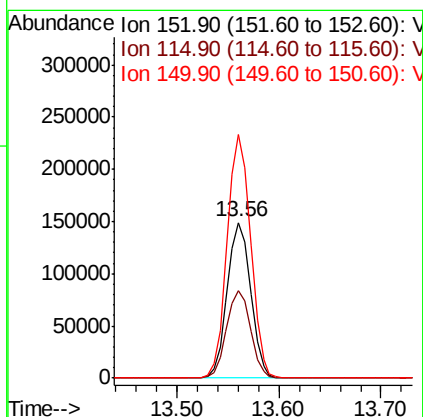
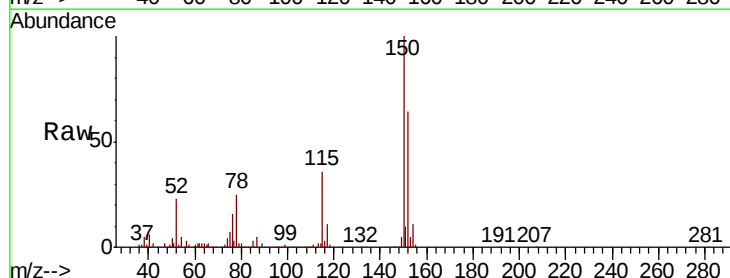
Instrument :
MSVOA_W
ClientSampleId :
B-6(9-10)

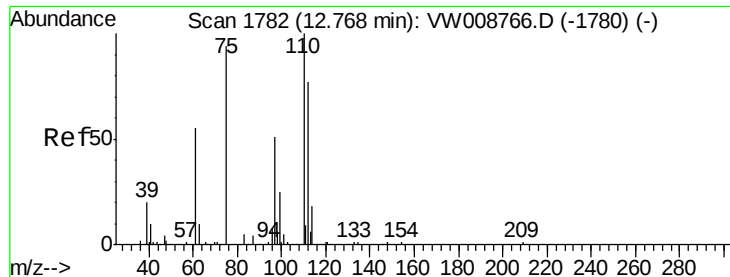
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.2	63.4
119	31.6	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008890.D
Acq: 28 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.6	85.8
150	155.7	0.0	348.0





#76

1,2,3-Trichloropropane

Concen: 61.626 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

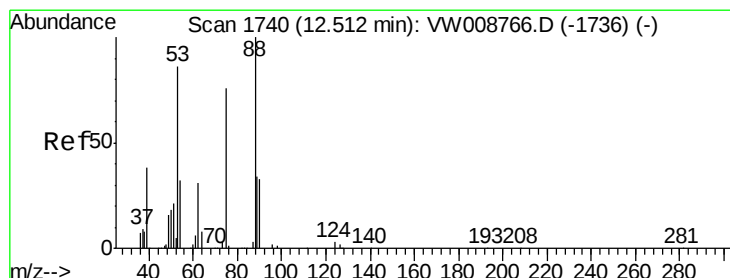
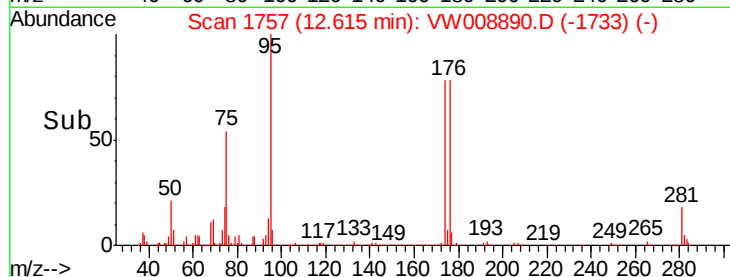
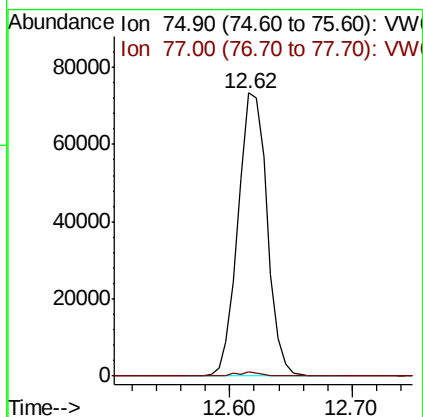
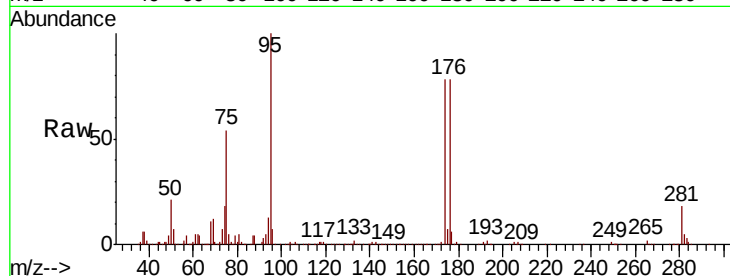
B-6(9-10)

Tot Ion: 75 Resp: 120905

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.819 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008890.D

Acq: 28 Feb 2019 16:29

Tgt Ion: 75 Resp: 120905

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.3 39.5 59.3#

