

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008371.D
 Acq On : 21 Jan 2019 13:26
 Operator : SY/VA
 Sample : K1205-02
 Misc : 6.35G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-2

Quant Time: Jan 22 03:40:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

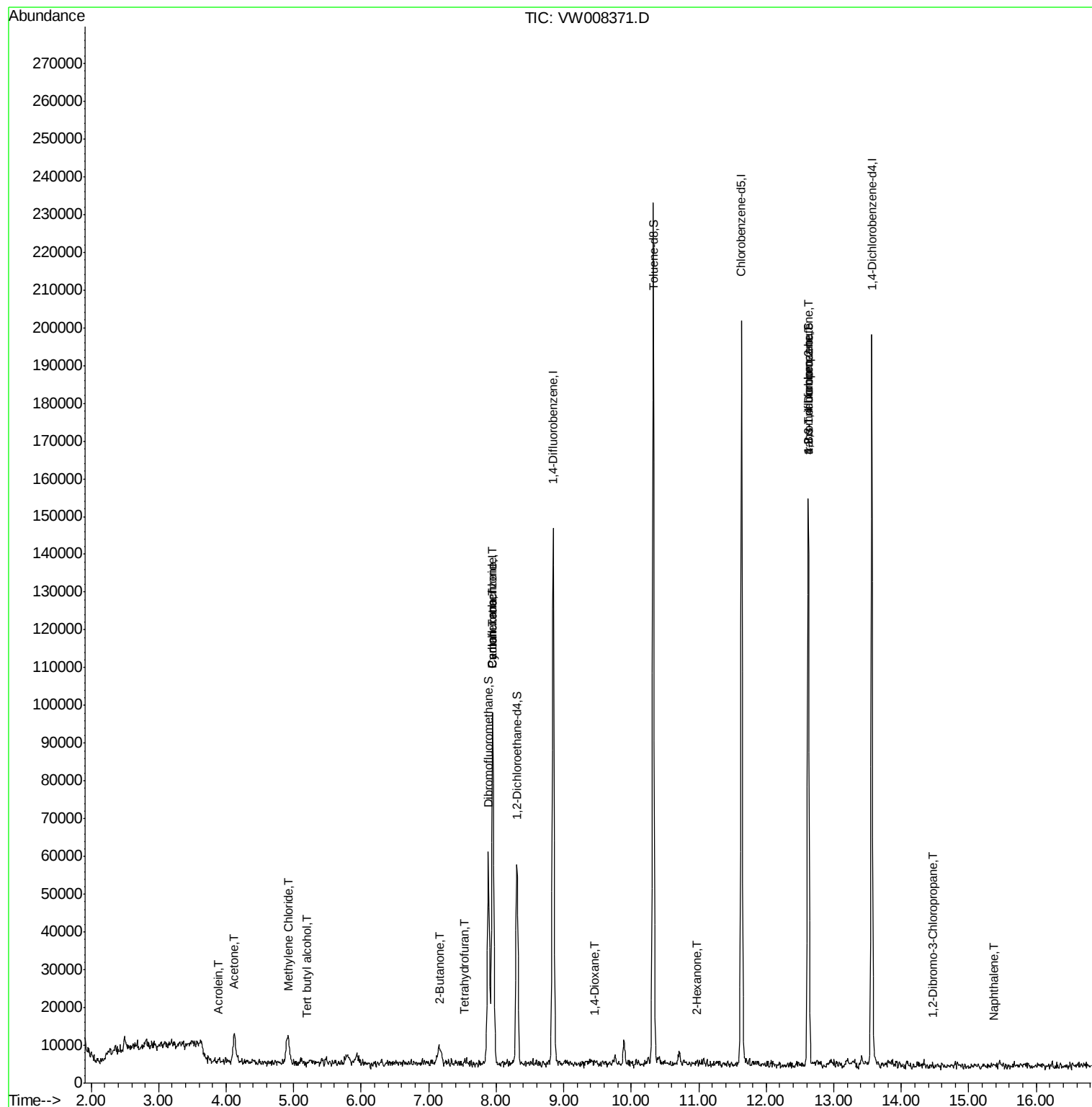
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	67029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	118288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	108523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	49972	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	42060	60.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.64%	
35) Dibromofluoromethane	7.88	113	39465	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.32	98	150585	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.62	95	48848	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.19	59	229	4.878	ug/l #	80
13) Acrolein	3.88	56	121	10.182	ug/l	87
16) Acetone	4.12	43	14114	87.162	ug/l	92
20) Methylene Chloride	4.92	84	5770	4.447	ug/l	91
25) 2-Butanone	7.17	43	5305	25.579	ug/l	96
29) Tetrahydrofuran	7.53	42	227	1.756	ug/l #	25
31) Cyclohexane	7.95	56	2150	1.651	ug/l #	45
38) Carbon Tetrachloride	7.95	117	7500	6.382	ug/l #	17
49) 1,4-Dioxane	9.45	88	137	19.500	ug/l #	1
59) 2-Hexanone	10.98	43	335	1.019	ug/l	72
76) 1,2,3-Trichloropropane	12.62	75	24667	54.205	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	24667	129.355	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.46	75	157	1.550	ug/l #	1
95) Naphthalene	15.37	128	369	2.513	ug/l #	84

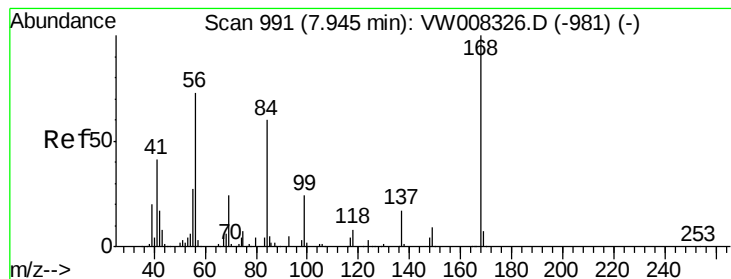
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008371.D

Acq: 21 Jan 2019 13:26

Instrument :

MSVOA_W

ClientSampled :

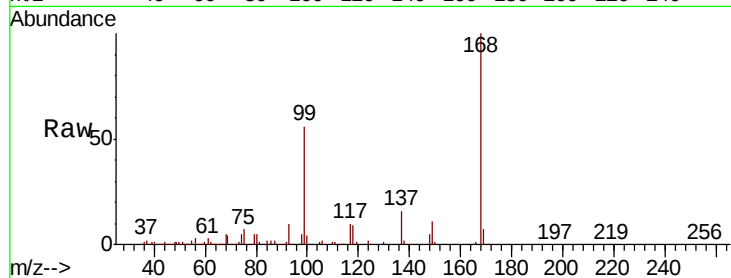
C-2

Tgt Ion:168 Resp: 67029

Ion Ratio Lower Upper

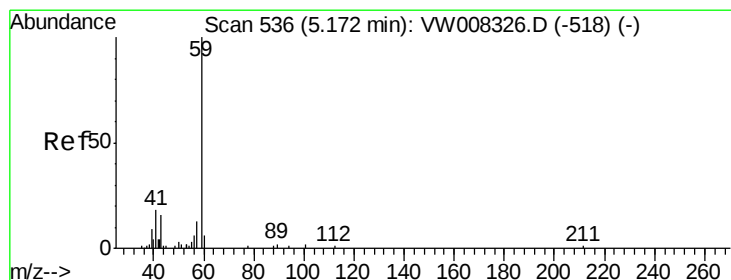
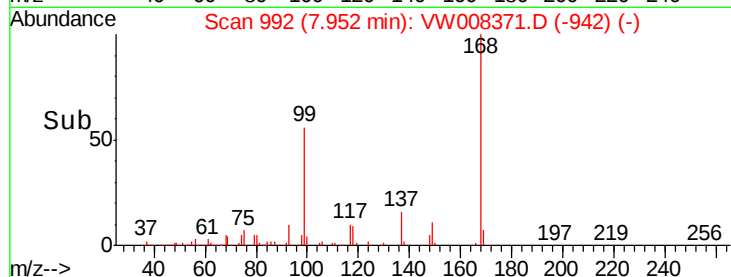
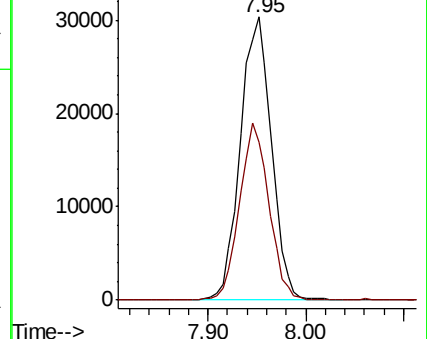
168 100

99 56.0 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.878 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW008371.D

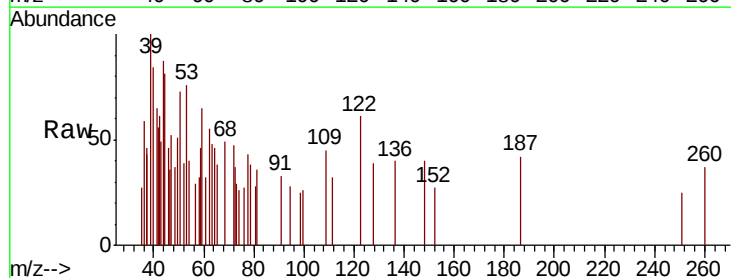
Acq: 21 Jan 2019 13:26

Tgt Ion: 59 Resp: 229

Ion Ratio Lower Upper

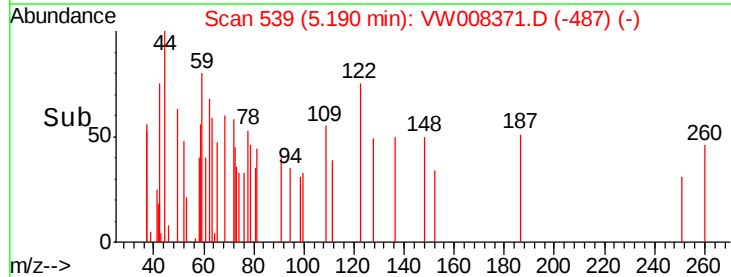
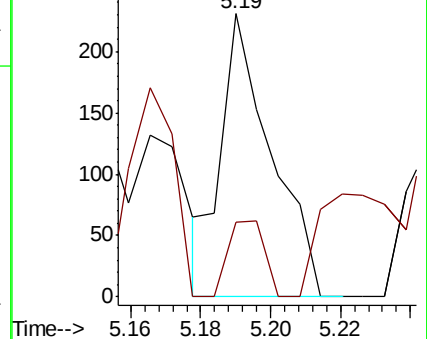
59 100

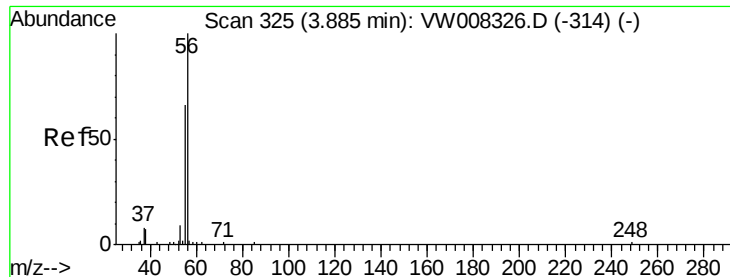
57 19.7 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

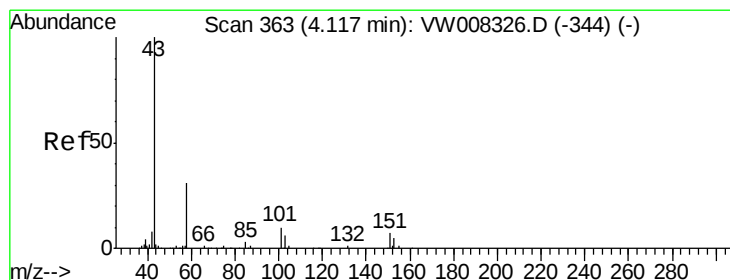
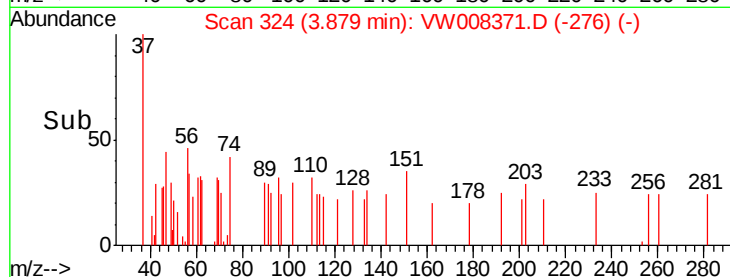
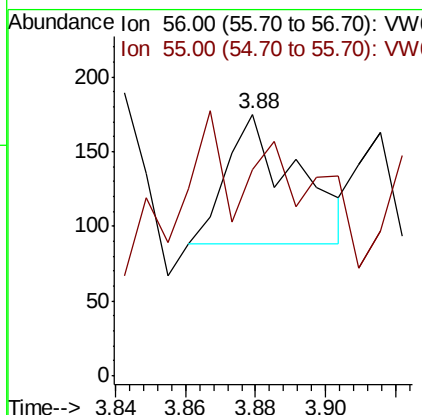
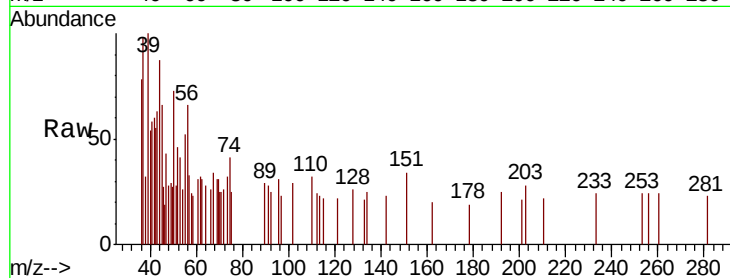




#13
Acrolein
Concen: 10.182 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008371.D
Acq: 21 Jan 2019 13:26

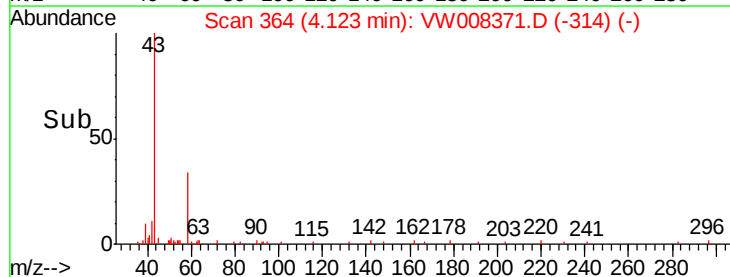
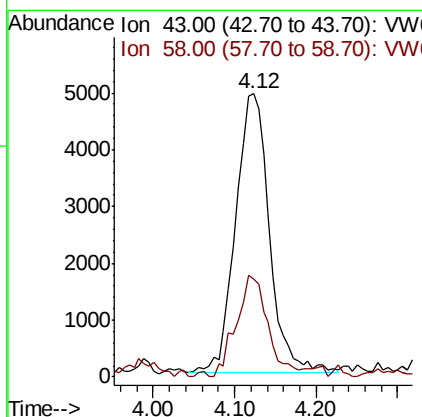
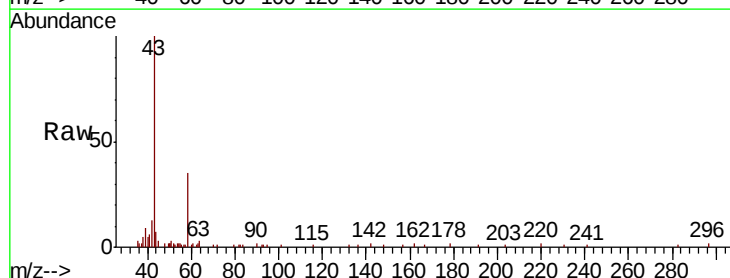
Instrument :
MSVOA_W
ClientSampled :
C-2

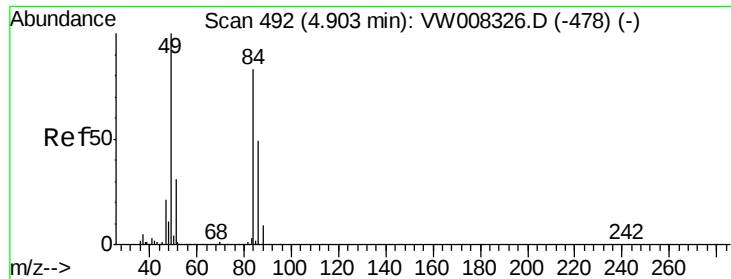
Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 55.4 52.9 79.3



#16
Acetone
Concen: 87.162 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008371.D
Acq: 21 Jan 2019 13:26

Tgt Ion: 43 Resp: 14114
Ion Ratio Lower Upper
43 100
58 35.2 24.7 37.1

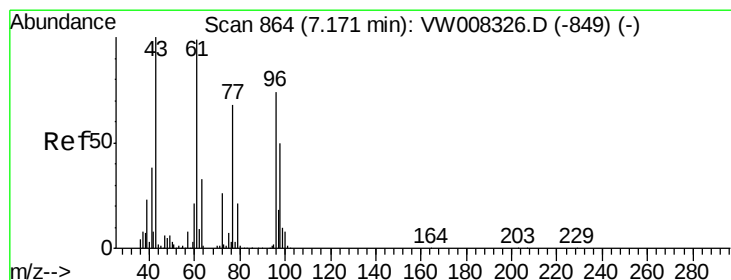
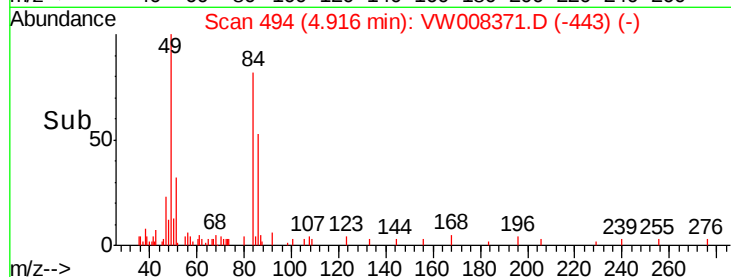
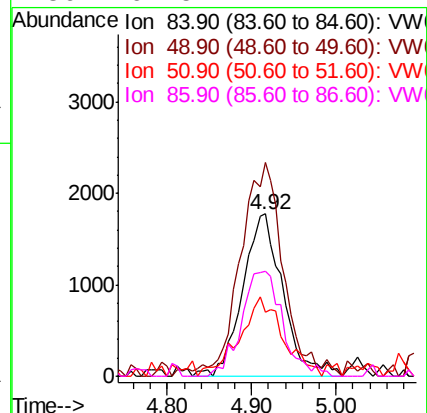
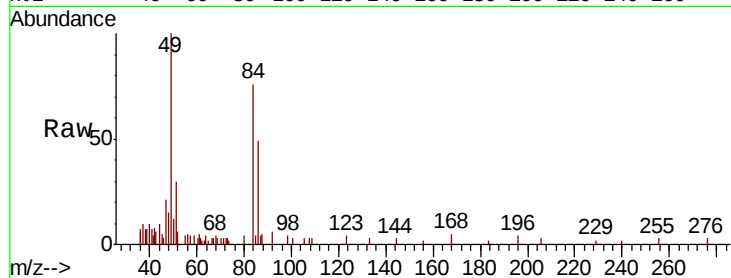




#20
Methylene Chloride
Concen: 4.447 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008371.D
Acq: 21 Jan 2019 13:26

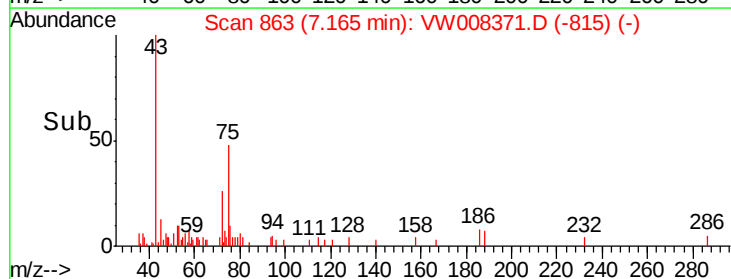
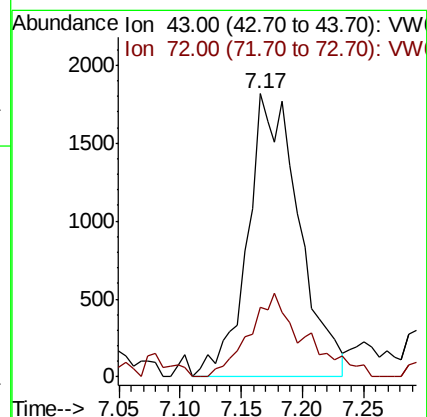
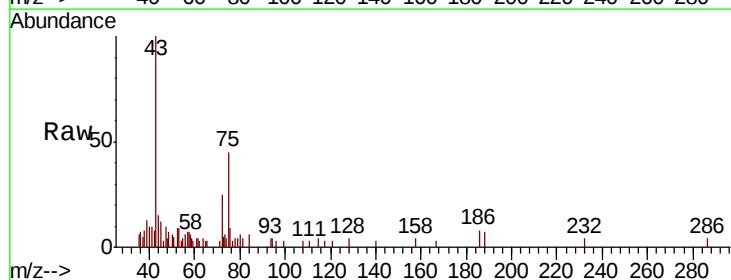
Instrument :
MSVOA_W
ClientSampled :
C-2

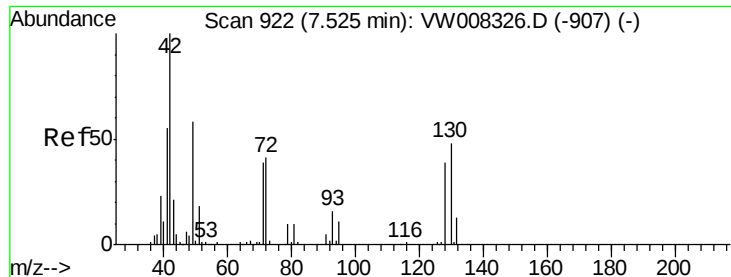
Tgt Ion:	84	Resp:	5770
Ion	Ratio	Lower	Upper
84	100		
49	131.8	95.9	143.9
51	39.7	29.3	43.9
86	64.5	47.4	71.2



#25
2-Butanone
Concen: 25.579 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008371.D
Acq: 21 Jan 2019 13:26

Tgt Ion:	43	Resp:	5305
Ion	Ratio	Lower	Upper
43	100		
72	24.6	21.2	31.8

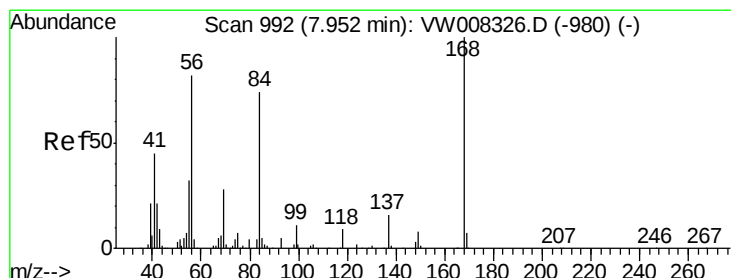
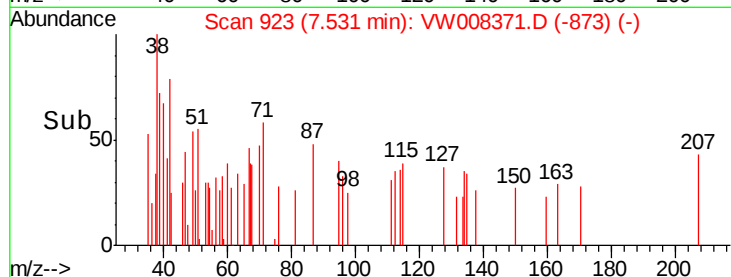
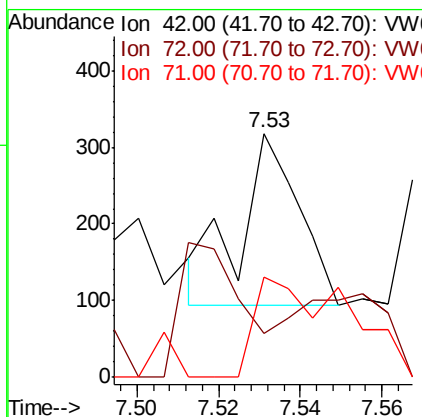
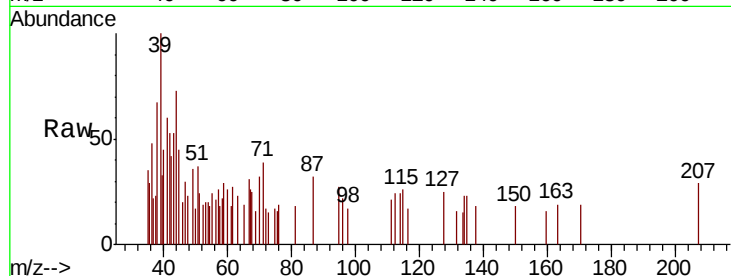




#29
Tetrahydrofuran
Concen: 1.756 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008371.D
Acq: 21 Jan 2019 13:26

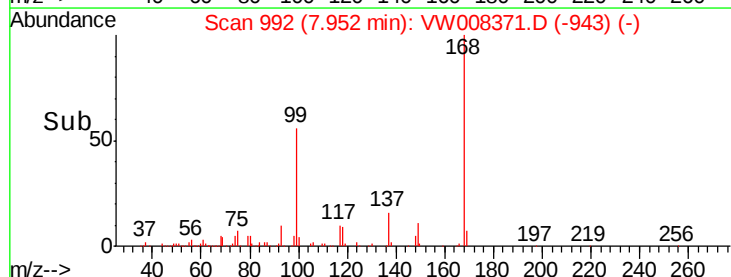
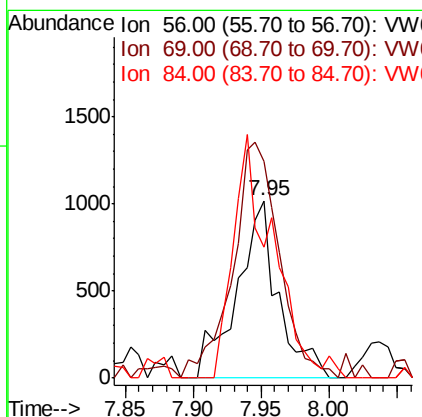
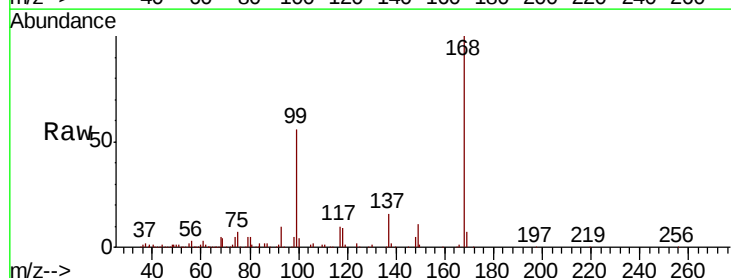
Instrument :
MSVOA_W
ClientSampleId :
C-2

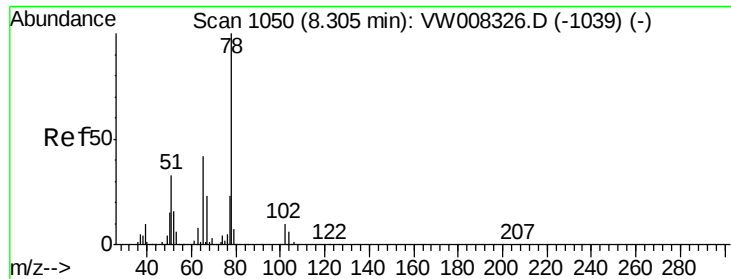
Tgt Ion: 42 Resp: 227
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 91.2 32.0 48.0#



#31
Cyclohexane
Concen: 1.651 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008371.D
Acq: 21 Jan 2019 13:26

Tgt Ion: 56 Resp: 2150
Ion Ratio Lower Upper
56 100
69 122.1 27.0 40.6#
84 74.0 72.5 108.7

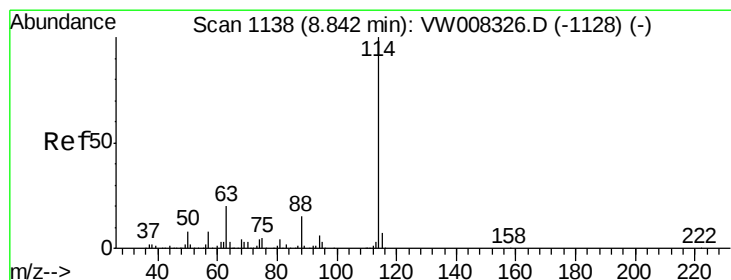
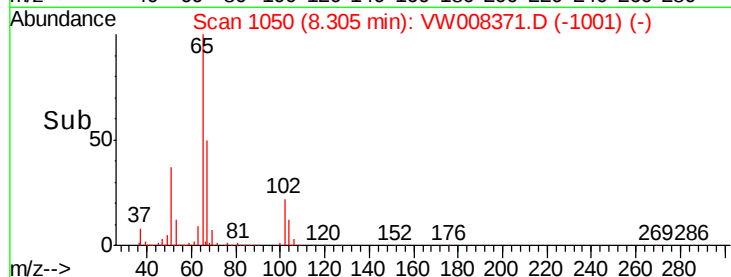
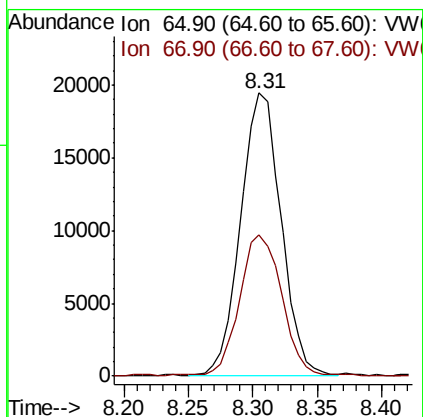
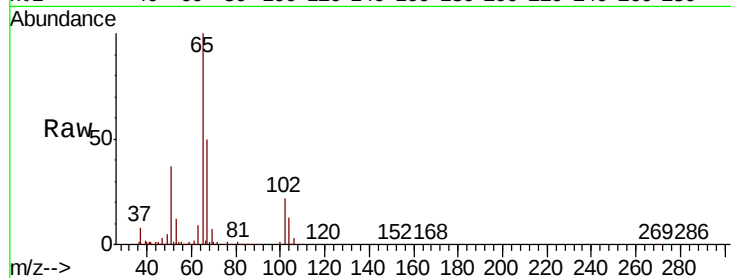




#33
 1,2-Dichloroethane-d4
 Concen: 60.322 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008371.D
 Acq: 21 Jan 2019 13:26

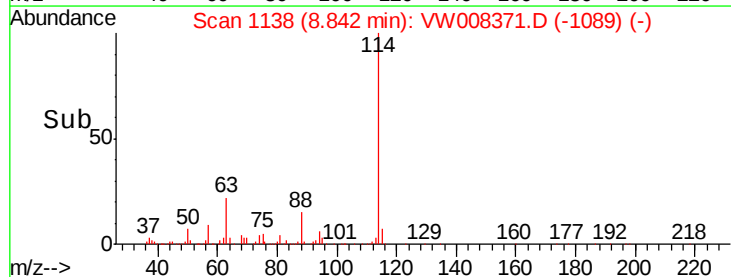
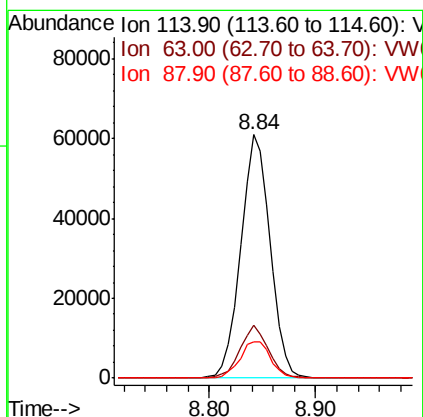
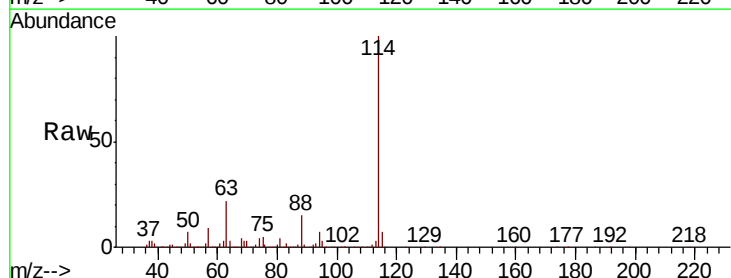
Instrument :
 MSVOA_W
 ClientSampled :
 C-2

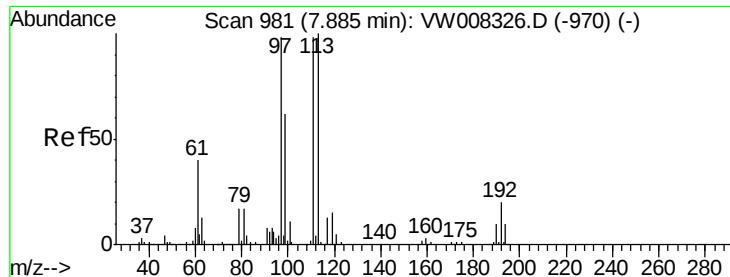
Tgt Ion: 65 Resp: 42060
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008371.D
 Acq: 21 Jan 2019 13:26

Tgt Ion: 114 Resp: 118288
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 40.8
 88 14.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.266 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008371.D

Acq: 21 Jan 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

C-2

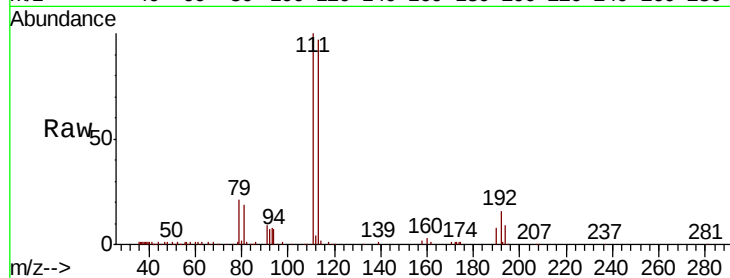
Tgt Ion:113 Resp: 39465

Ion Ratio Lower Upper

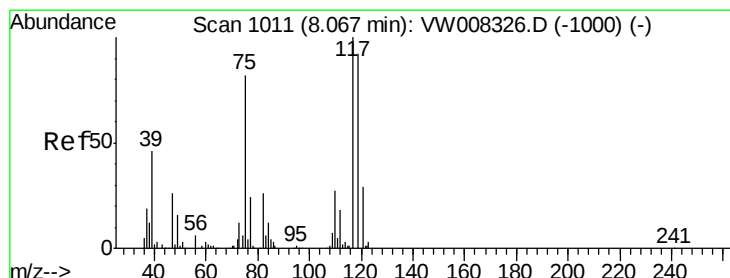
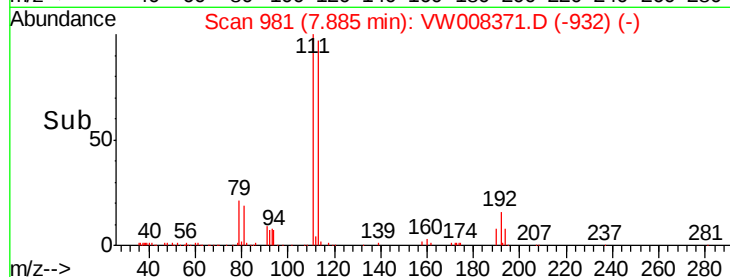
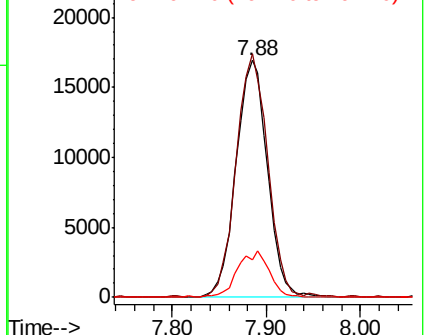
113 100

111 103.8 81.8 122.8

192 19.7 16.3 24.5



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



#38

Carbon Tetrachloride

Concen: 6.382 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008371.D

Acq: 21 Jan 2019 13:26

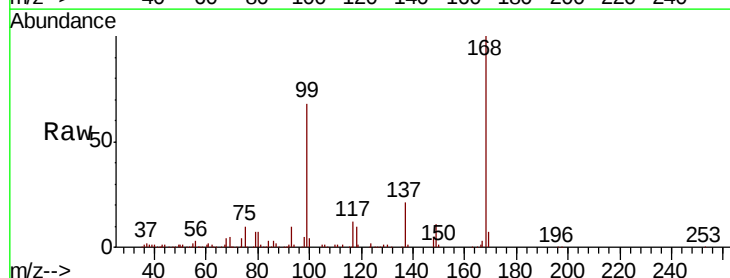
Tgt Ion:117 Resp: 7500

Ion Ratio Lower Upper

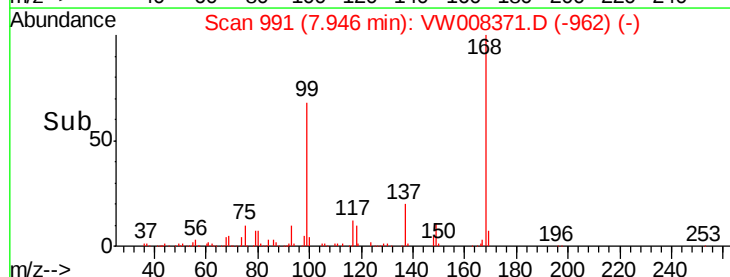
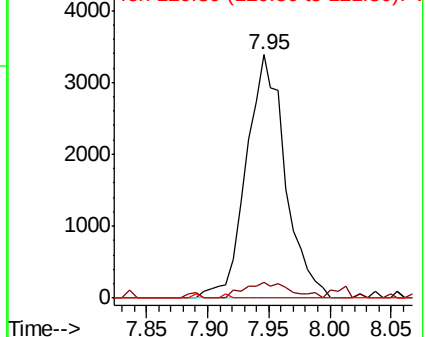
117 100

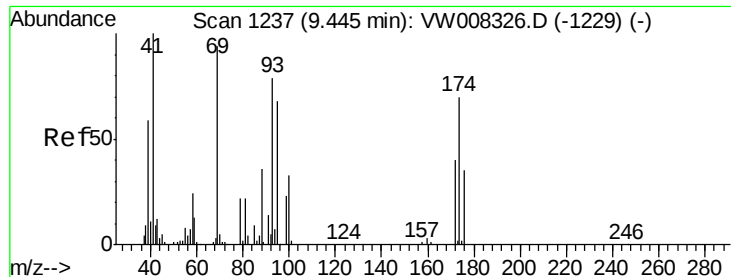
119 4.9 73.8 110.6#

121 0.0 23.4 35.0#



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

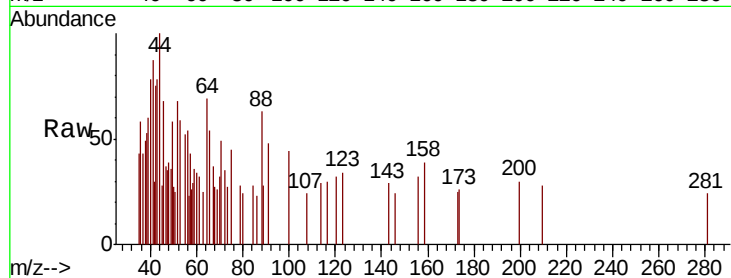




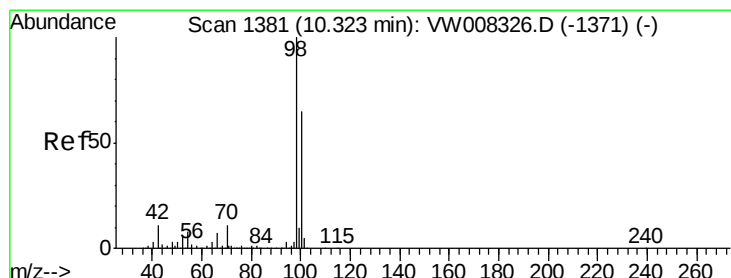
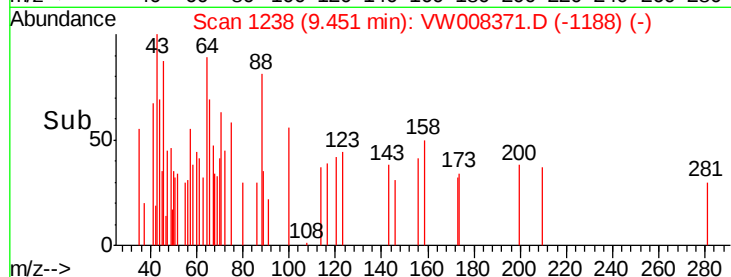
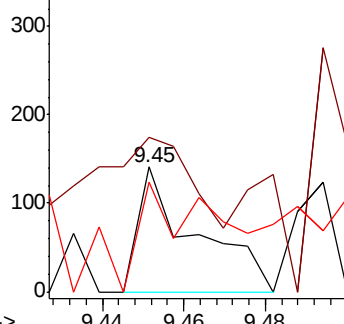
#49
1,4-Dioxane
Concen: 19.500 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008371.D
Acq: 21 Jan 2019 13:26

Instrument :
MSVOA_W
ClientSampled :
C-2

Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 156.2 27.1 40.7#
58 116.1 57.9 86.9#

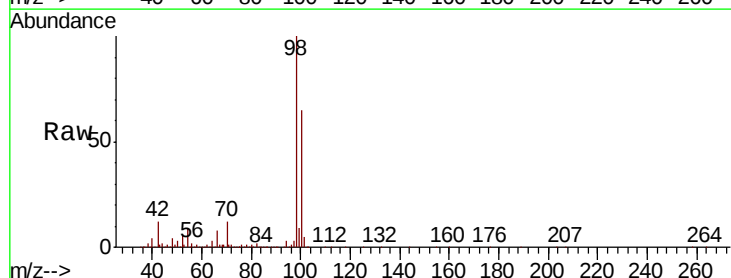


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

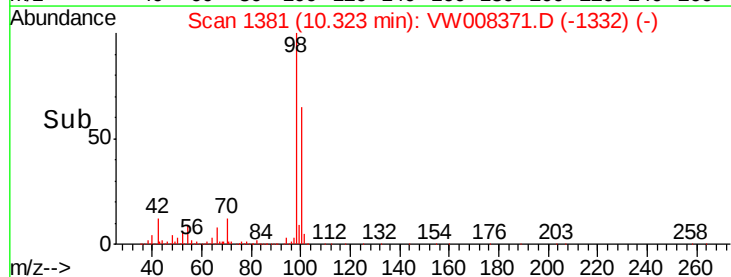
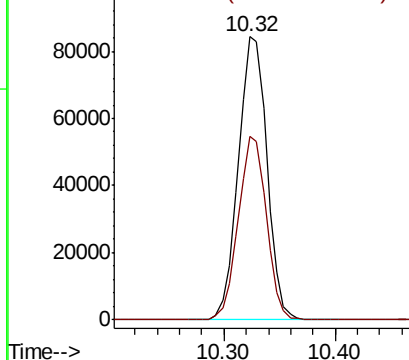


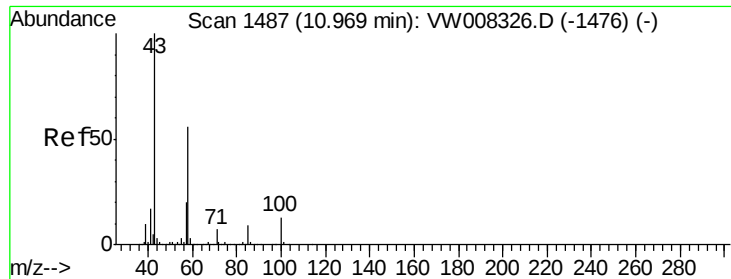
#50
Toluene-d8
Concen: 50.765 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008371.D
Acq: 21 Jan 2019 13:26

Tgt Ion: 98 Resp: 150585
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.8



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





#59

2-Hexanone

Concen: 1.019 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW008371.D

Acq: 21 Jan 2019 13:26

Instrument :

MSVOA_W

ClientSampled :

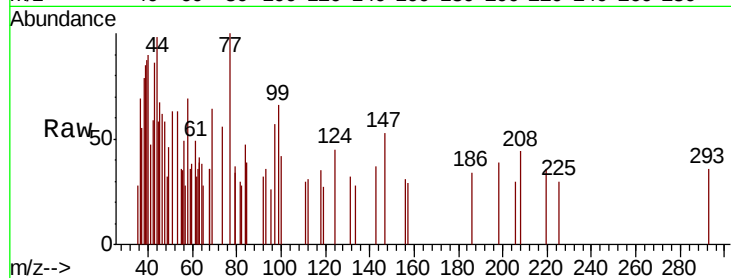
C-2

Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

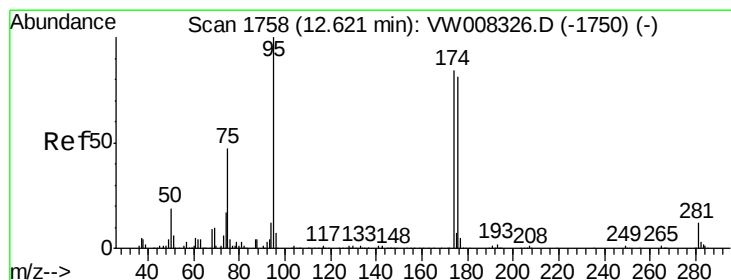
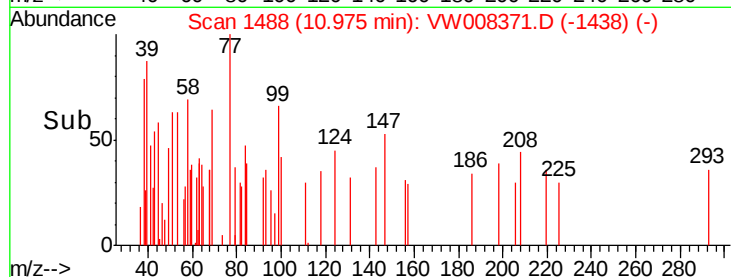
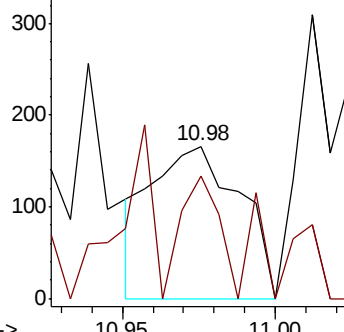
43 100

58 34.9 27.5 82.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 45.915 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008371.D

Acq: 21 Jan 2019 13:26

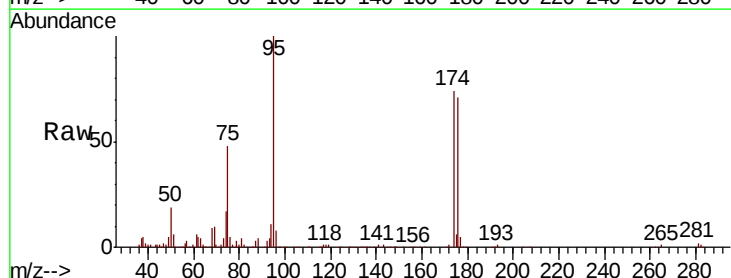
Tgt Ion: 95 Resp: 48848

Ion Ratio Lower Upper

95 100

174 78.6 0.0 166.0

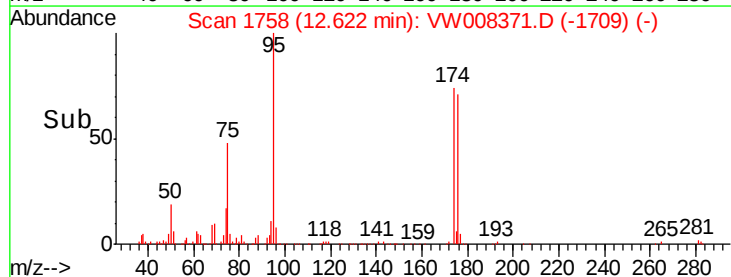
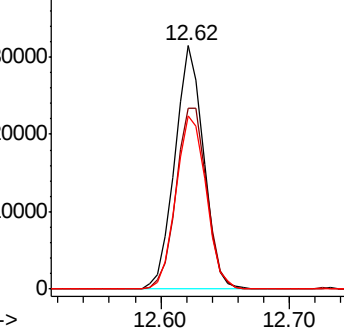
176 74.2 0.0 160.0

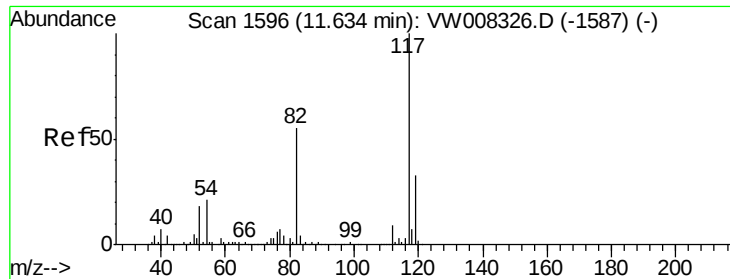


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

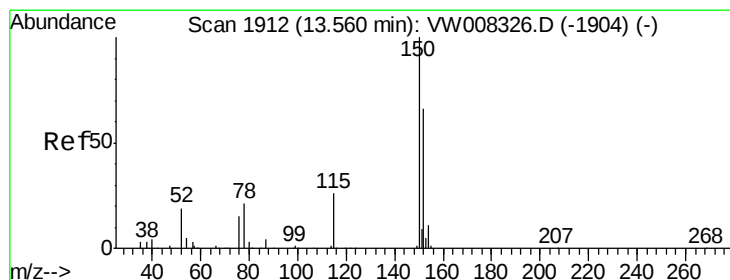
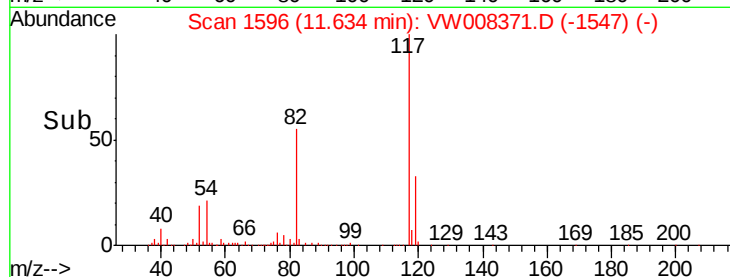
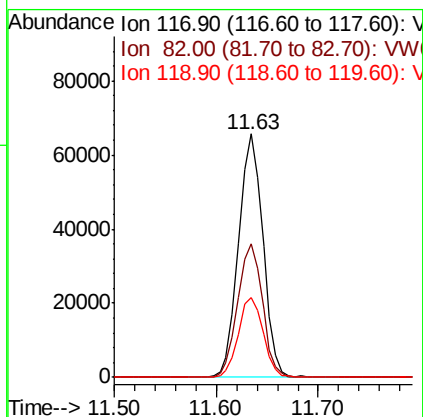
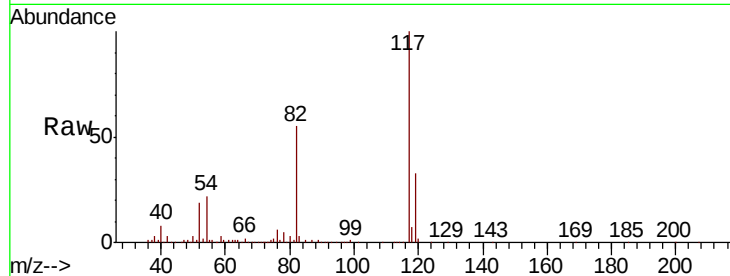




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008371.D
Acq: 21 Jan 2019 13:26

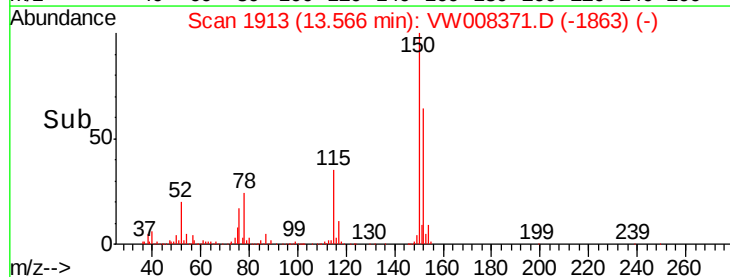
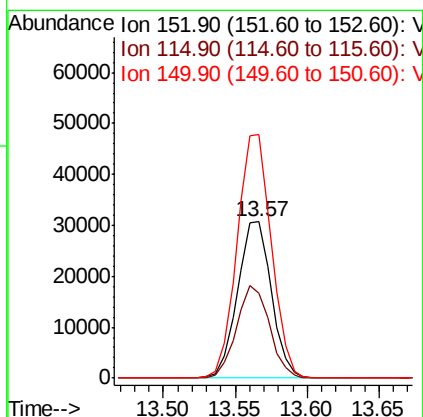
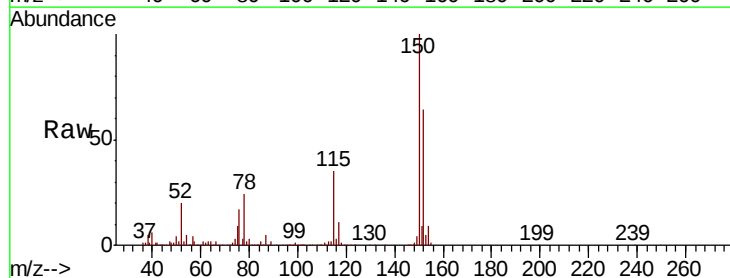
Instrument :
MSVOA_W
ClientSampleId :
C-2

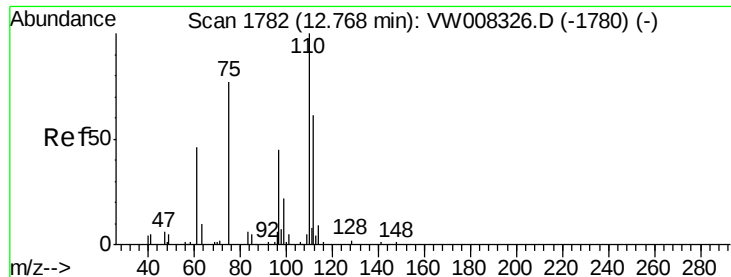
Tgt Ion:117 Resp: 108523
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW008371.D
Acq: 21 Jan 2019 13:26

Tgt Ion:152 Resp: 49972
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.4
150 158.0 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 54.205 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008371.D

Acq: 21 Jan 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

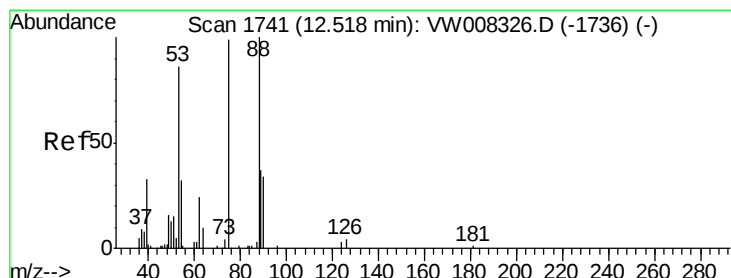
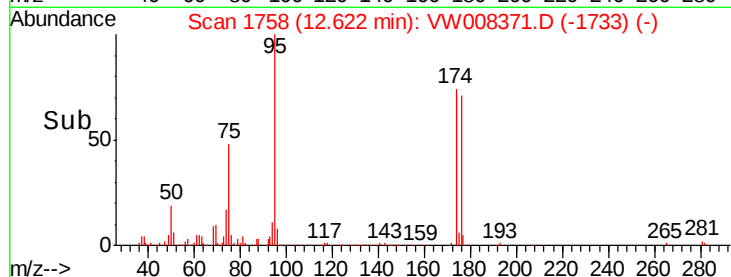
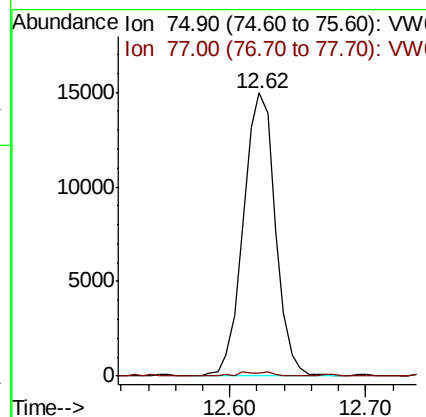
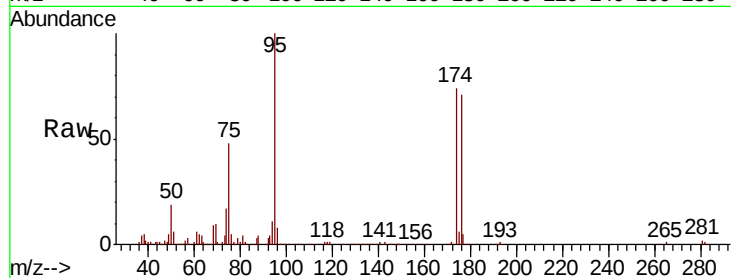
C-2

Tgt Ion: 75 Resp: 24667

Ion Ratio Lower Upper

75 100

77 1.5 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.355 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008371.D

Acq: 21 Jan 2019 13:26

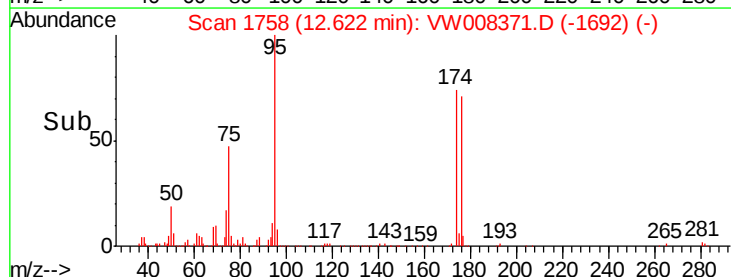
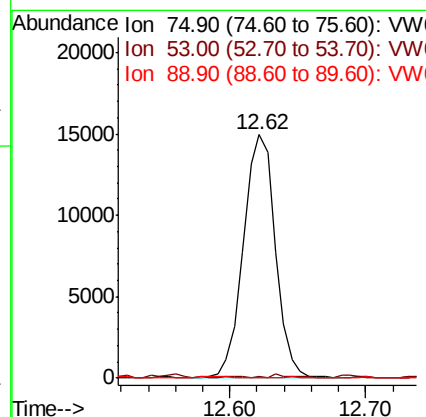
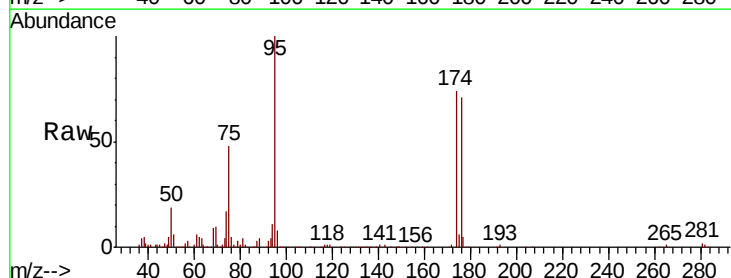
Tgt Ion: 75 Resp: 24667

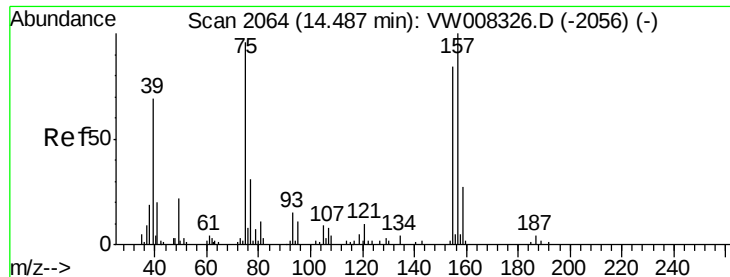
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.4#

89 0.0 36.7 55.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.550 ug/l

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW008371.D

Acq: 21 Jan 2019 13:26

Instrument :

MSVOA_W

ClientSampled :

C-2

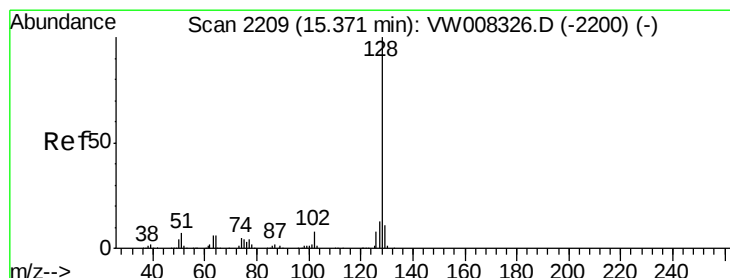
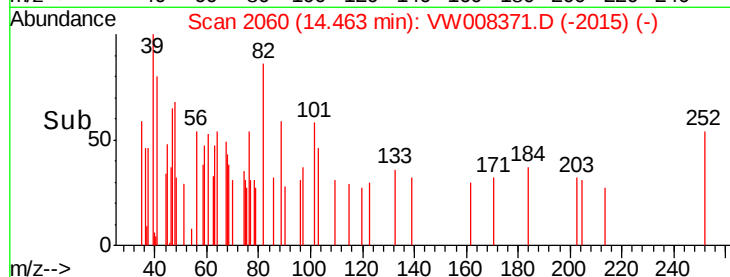
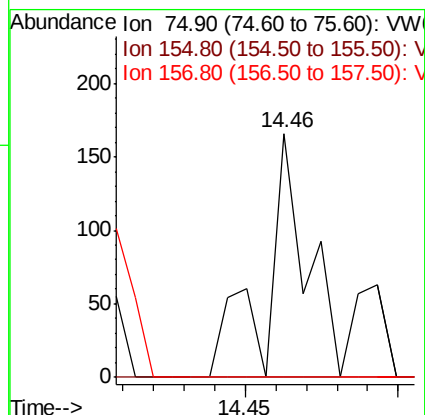
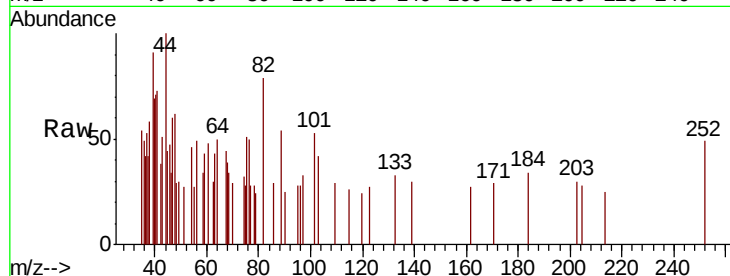
Tgt Ion: 75 Resp: 157

Ion Ratio Lower Upper

75 100

155 0.0 44.7 134.1#

157 0.0 53.9 161.8#



#95

Naphthalene

Concen: 2.513 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008371.D

Acq: 21 Jan 2019 13:26

Tgt Ion: 128 Resp: 369

Ion Ratio Lower Upper

128 100

127 5.4 10.5 15.7#

129 6.2 8.8 13.2#

