

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082018\
 Data File : VW004793.D
 Acq On : 20 Aug 2018 16:11
 Operator : SY/AP
 Sample : J4538-02
 Misc : 17.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSS2

Quant Time: Aug 21 00:56:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	559920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	906168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	730858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	237557	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	317524	58.66	ug/l	0.00
Spiked Amount			Recovery	=	117.32%	
35) Dibromofluoromethane	7.89	113	283148	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	10.33	98	927173	41.01	ug/l	0.00
Spiked Amount			Recovery	=	82.02%	
62) 4-Bromofluorobenzene	12.62	95	254673	31.31	ug/l	0.00
Spiked Amount			Recovery	=	62.62%	

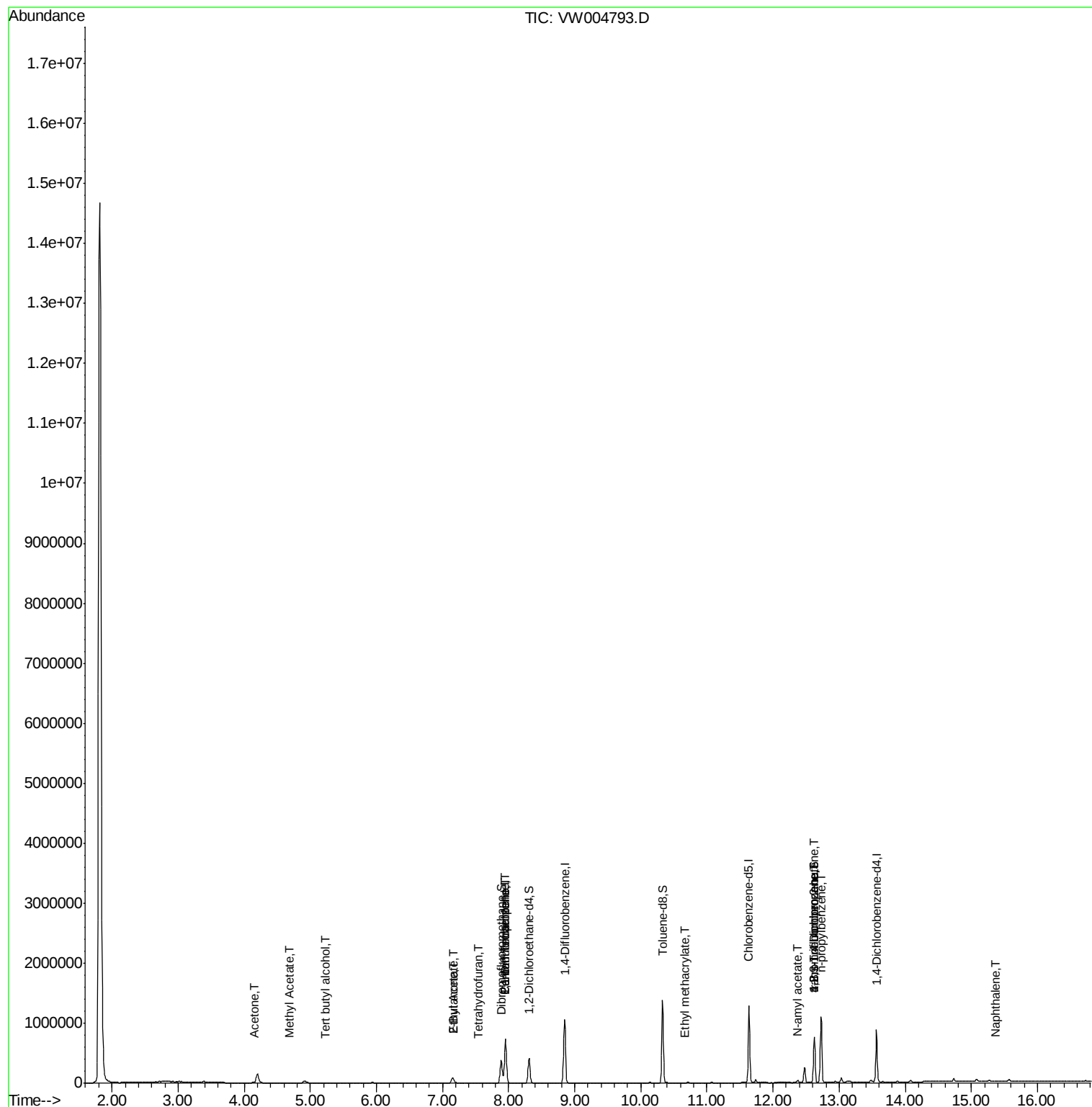
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	1602	5.297	ug/l #	77
16) Acetone	4.14	43	19005	13.753	ug/l	99
18) Methyl Acetate	4.68	43	6944	2.345	ug/l	99
25) 2-Butanone	7.17	43	4391	2.230	ug/l #	76
29) Tetrahydrofuran	7.54	42	1253	1.248	ug/l #	78
36) 1,1-Dichloropropene	7.95	75	41691	4.466	ug/l #	49
37) Ethyl Acetate	7.17	43	4391	1.180	ug/l #	1
38) Carbon Tetrachloride	7.95	117	52047	6.057	ug/l #	17
56) Ethyl methacrylate	10.66	69	128	3.000	ug/l #	1
74) N-amyl acetate	12.37	43	1315	4.339	ug/l #	24
76) 1,2,3-Trichloropropane	12.62	75	119022	56.836	ug/l #	100
78) n-propylbenzene	12.73	91	114497	5.806	ug/l #	54
81) trans-1,4-Dichloro-2-buten	12.62	75	119022	132.103	ug/l #	13
95) Naphthalene	15.37	128	1593	3.659	ug/l #	75

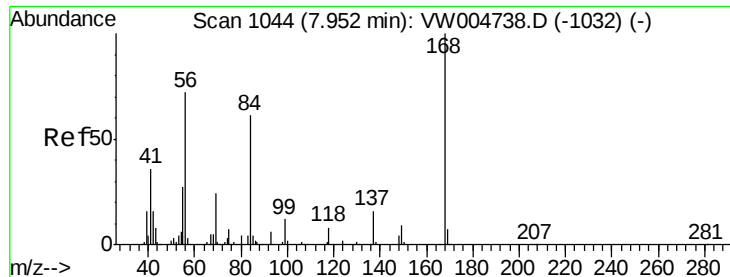
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004793.D

Acq: 20 Aug 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

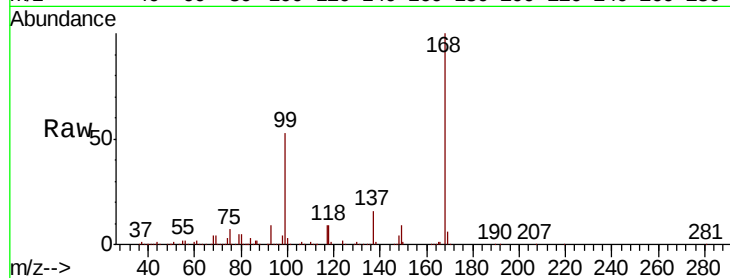
VSS2

Tgt Ion:168 Resp: 559920

Ion Ratio Lower Upper

168 100

99 52.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

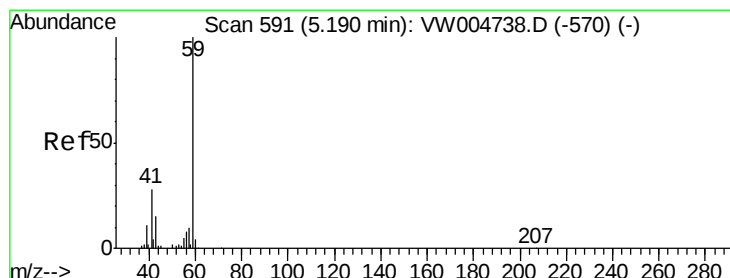
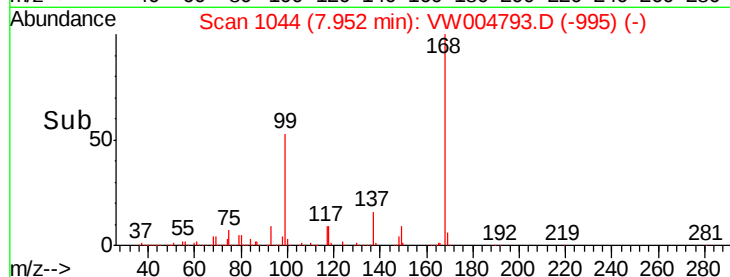
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.297 ug/l

RT: 5.24 min Scan# 599

Delta R.T. 0.05 min

Lab File: VW004793.D

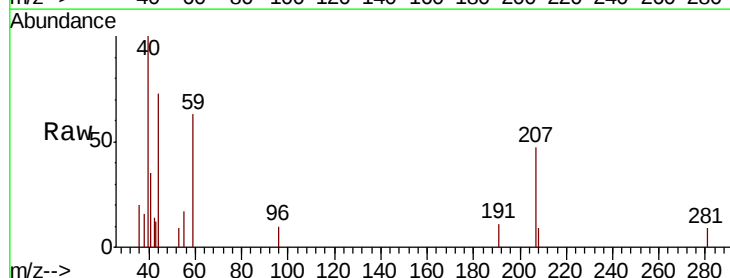
Acq: 20 Aug 2018 16:11

Tgt Ion: 59 Resp: 1602

Ion Ratio Lower Upper

59 100

57 1.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.24

500

400

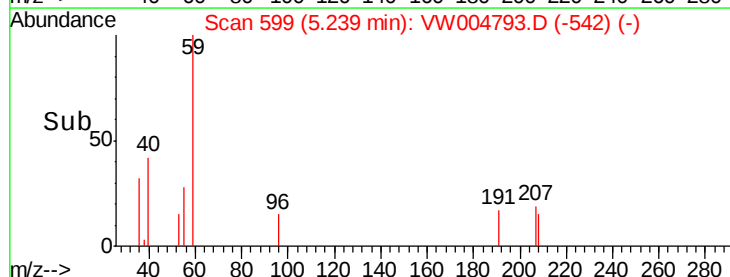
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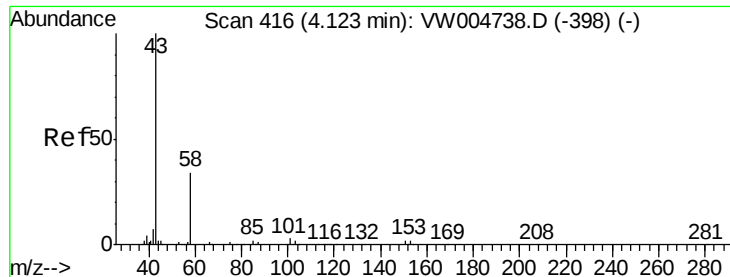
200

100

0

Time-->

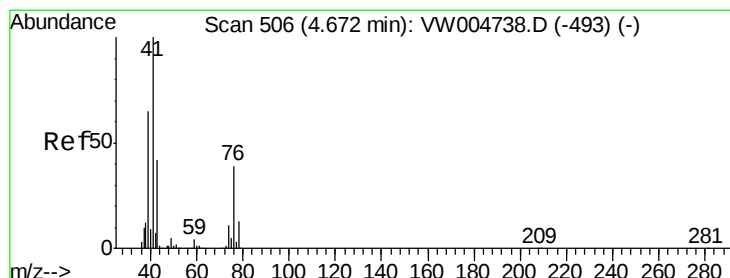
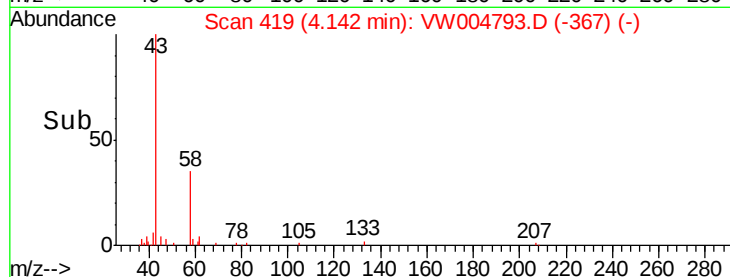
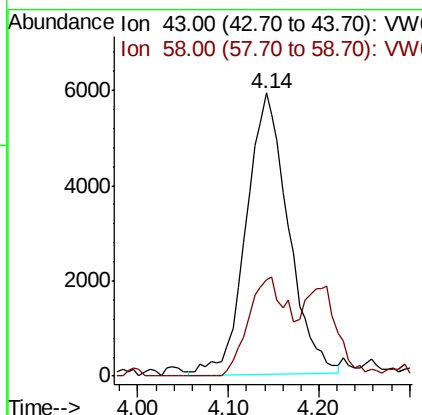
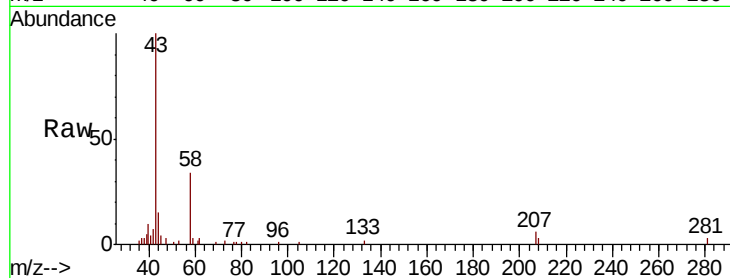




#16
Acetone
Concen: 13.753 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.02 min
Lab File: VW004793.D
Acq: 20 Aug 2018 16:11

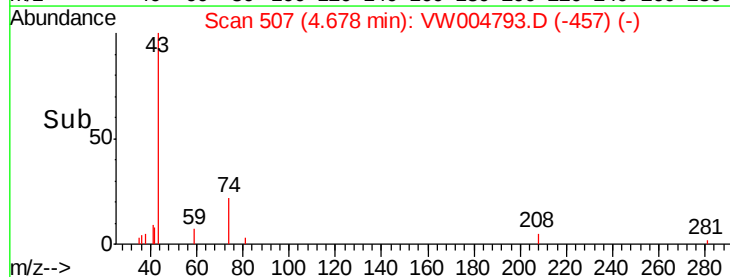
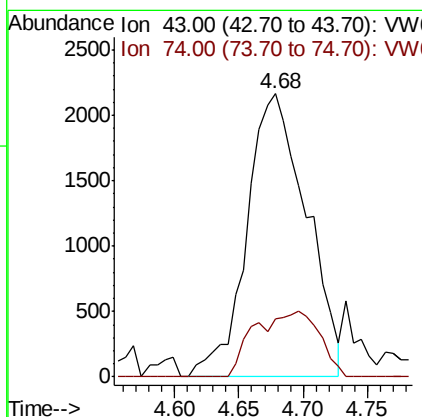
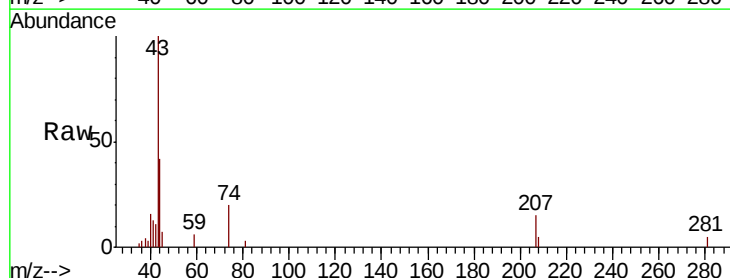
Instrument :
MSVOA_W
ClientSampled :
VSS2

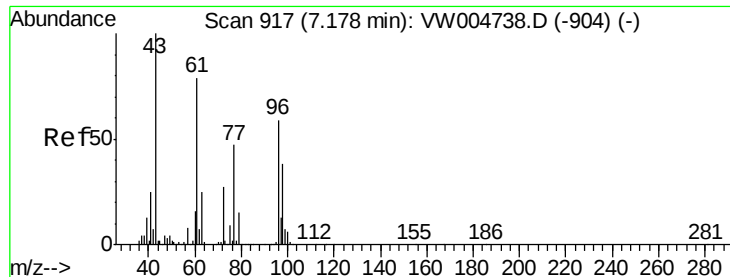
Tgt Ion: 43 Resp: 19005
Ion Ratio Lower Upper
43 100
58 34.6 27.3 40.9



#18
Methyl Acetate
Concen: 2.345 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004793.D
Acq: 20 Aug 2018 16:11

Tgt Ion: 43 Resp: 6944
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.8

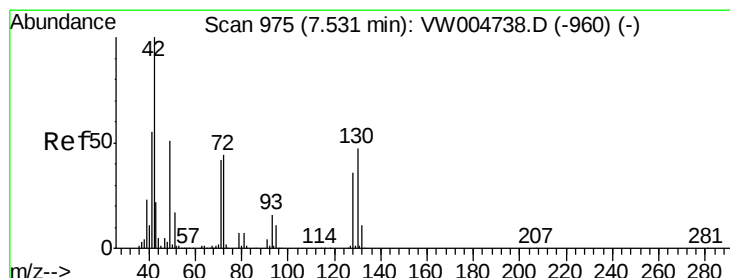
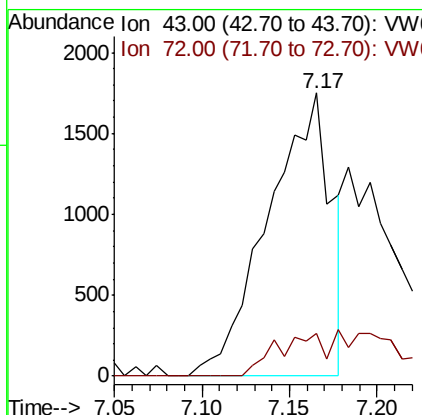
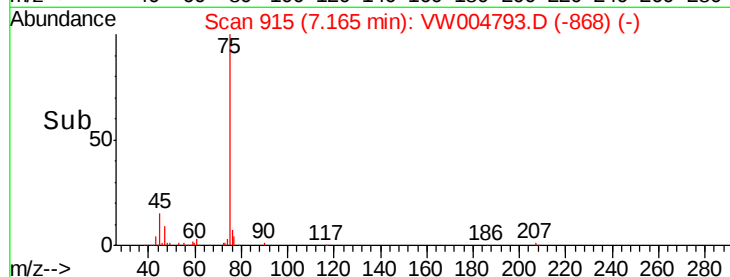
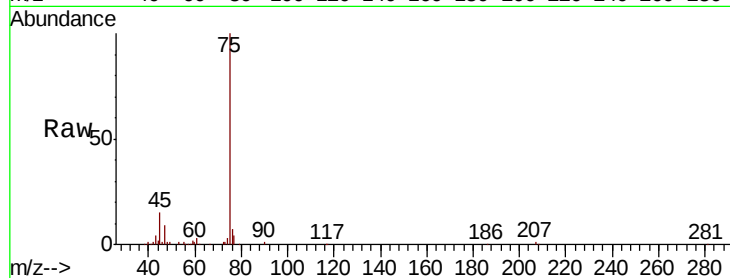




#25
2-Butanone
Concen: 2.230 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW004793.D
Acq: 20 Aug 2018 16:11

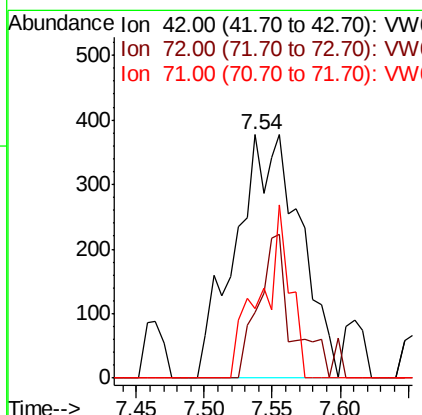
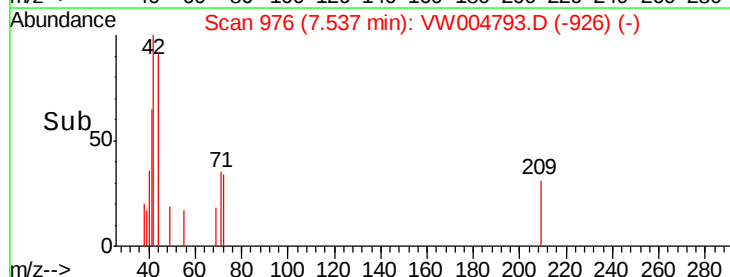
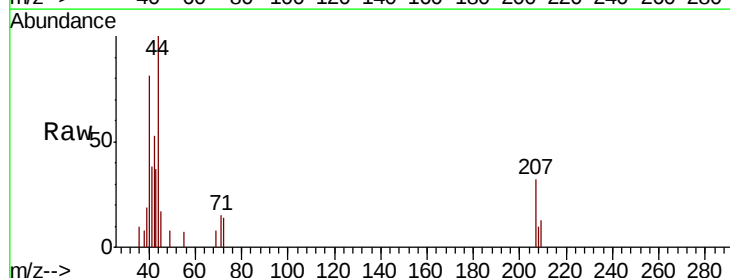
Instrument :
MSVOA_W
ClientSampled :
VSS2

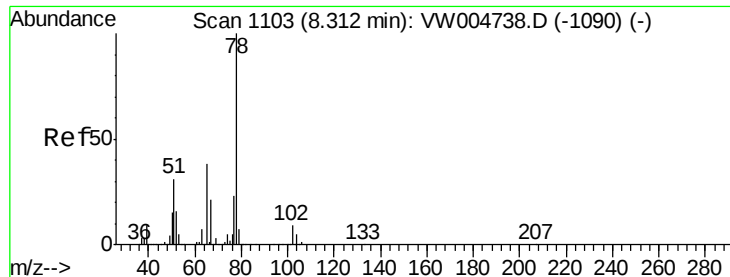
Tgt Ion: 43 Resp: 4391
Ion Ratio Lower Upper
43 100
72 15.1 22.0 33.0#



#29
Tetrahydrofuran
Concen: 1.248 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004793.D
Acq: 20 Aug 2018 16:11

Tgt Ion: 42 Resp: 1253
Ion Ratio Lower Upper
42 100
72 25.4 34.9 52.3#
71 32.1 33.8 50.6#

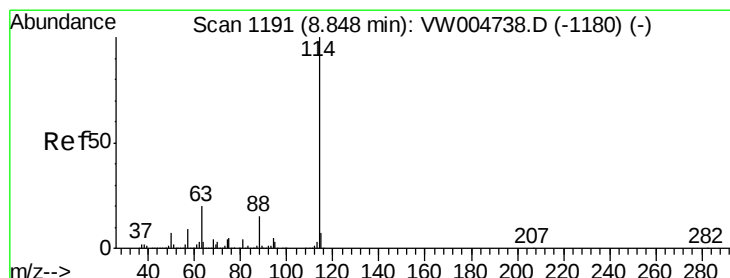
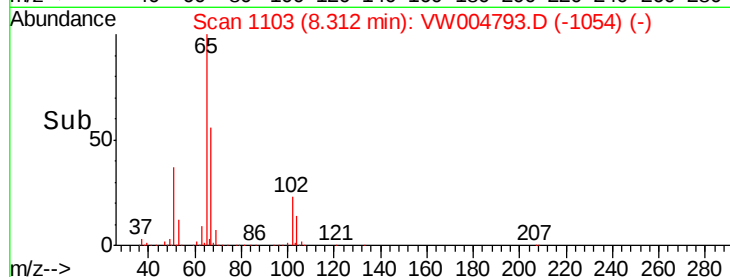
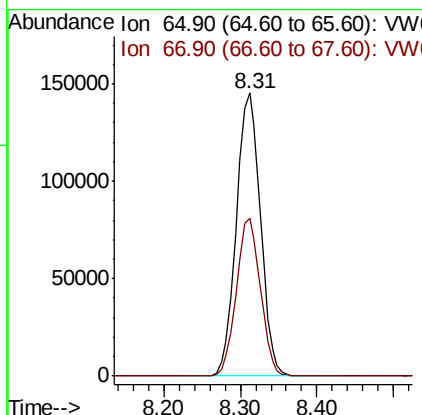
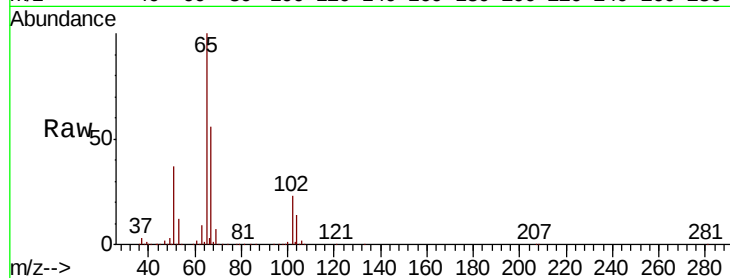




#33
 1,2-Dichloroethane-d4
 Concen: 58.656 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004793.D
 Acq: 20 Aug 2018 16:11

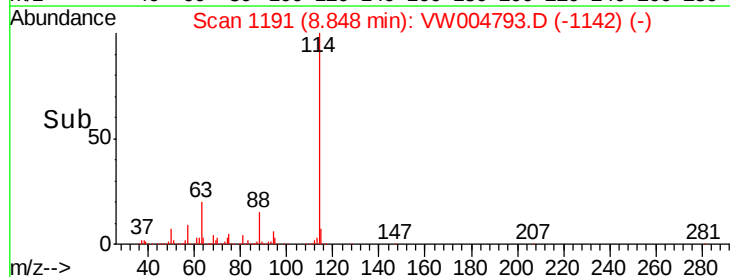
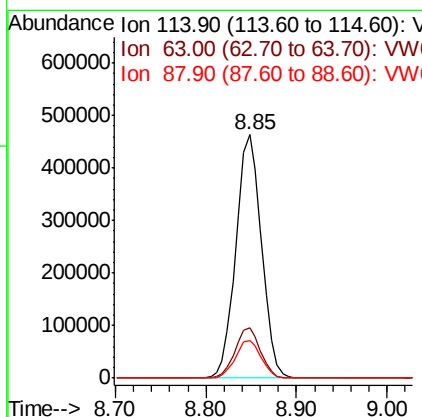
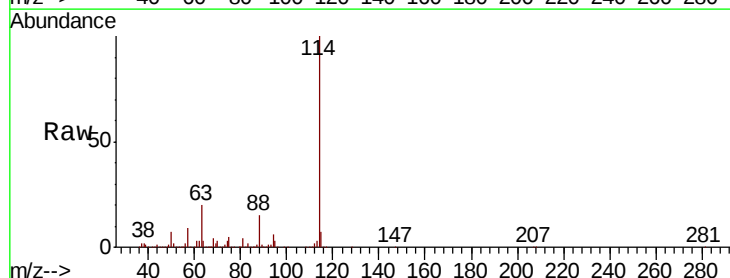
Instrument :
 MSVOA_W
 ClientSampleId :
 VSS2

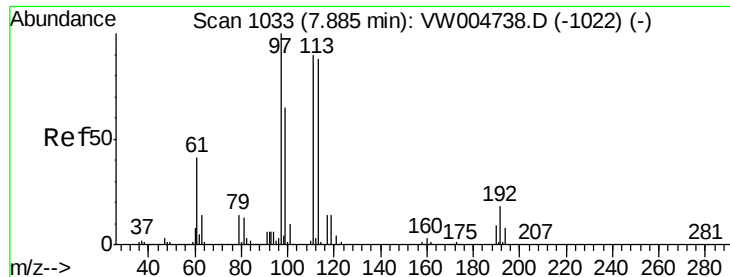
Tgt Ion: 65 Resp: 317524
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004793.D
 Acq: 20 Aug 2018 16:11

Tgt Ion: 114 Resp: 906168
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 15.4 0.0 30.0

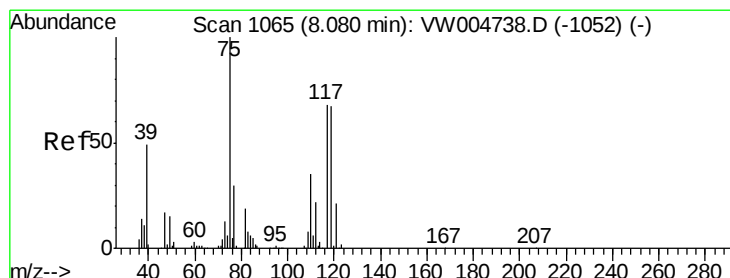
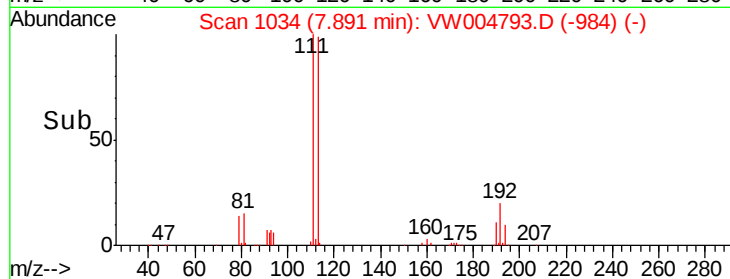
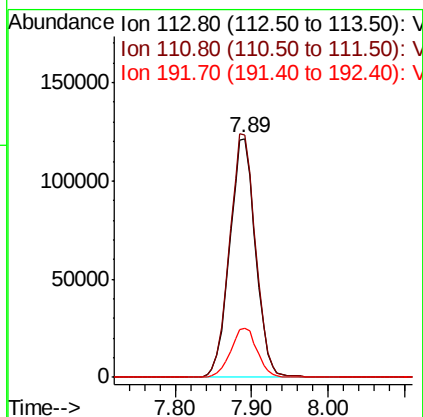
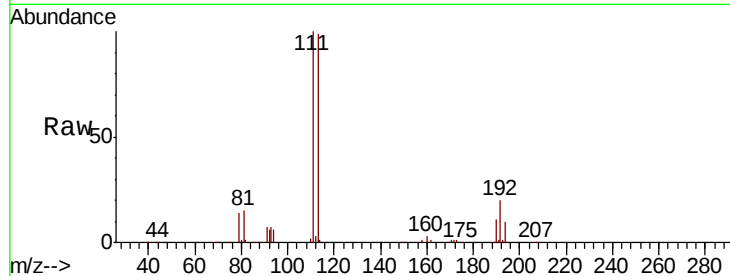




#35
 Dibromofluoromethane
 Concen: 48.889 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004793.D
 Acq: 20 Aug 2018 16:11

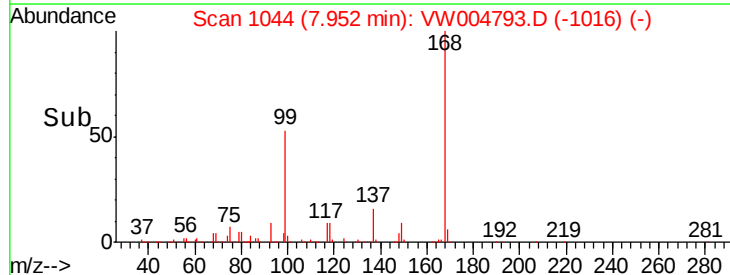
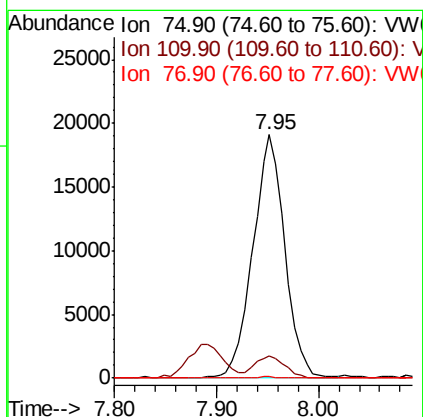
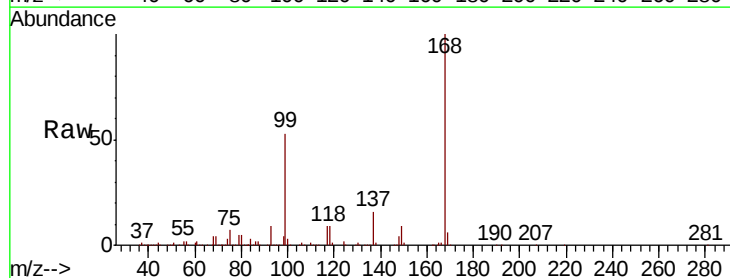
Instrument :
 MSVOA_W
 ClientSampleId :
 VSS2

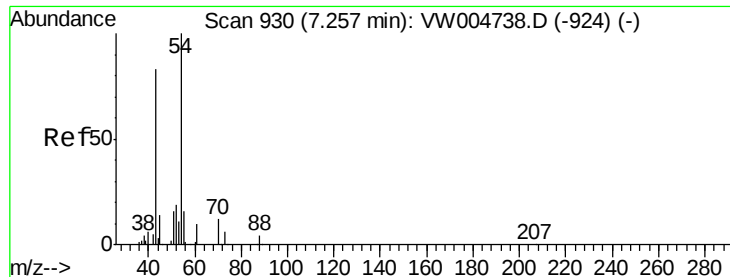
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	21.1	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.466 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004793.D
 Acq: 20 Aug 2018 16:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.5#
77	0.2	24.9	37.3#

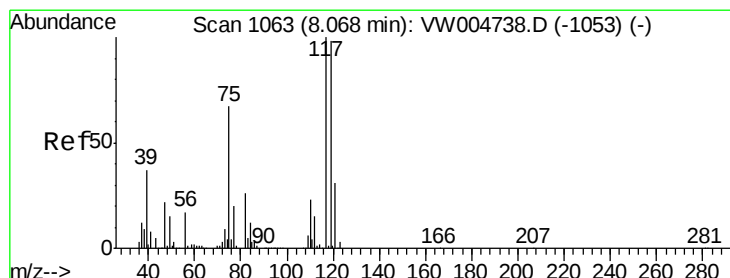
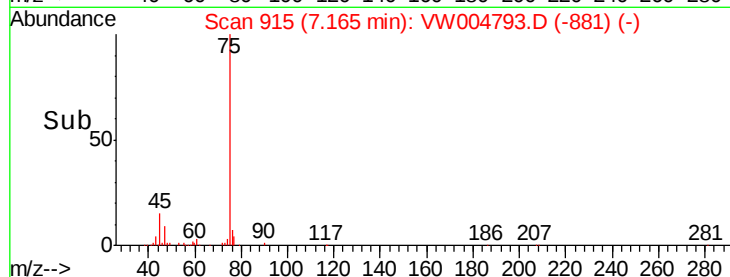
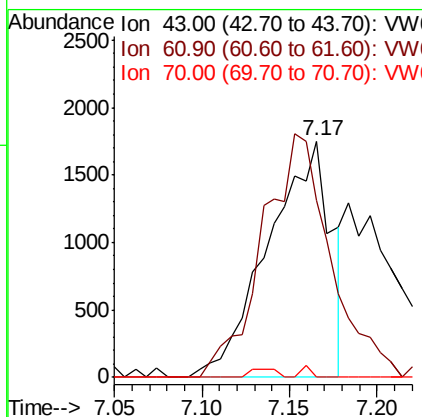
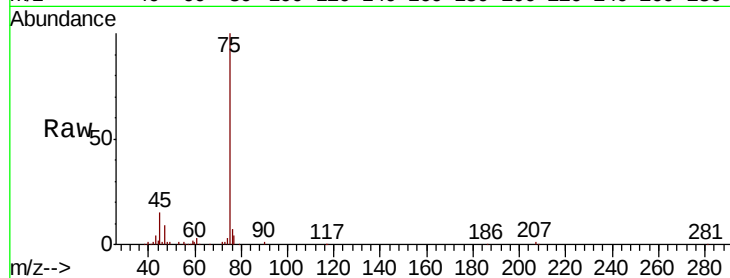




#37
 Ethyl Acetate
 Concen: 1.180 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.09 min
 Lab File: VW004793.D
 Acq: 20 Aug 2018 16:11

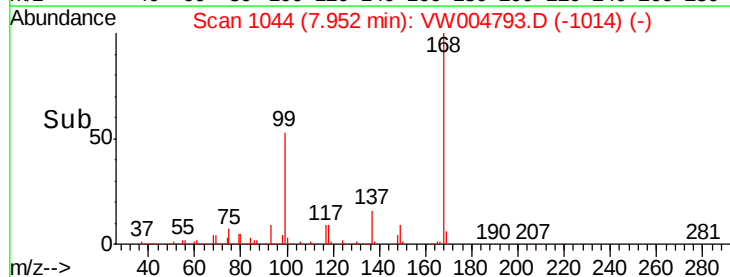
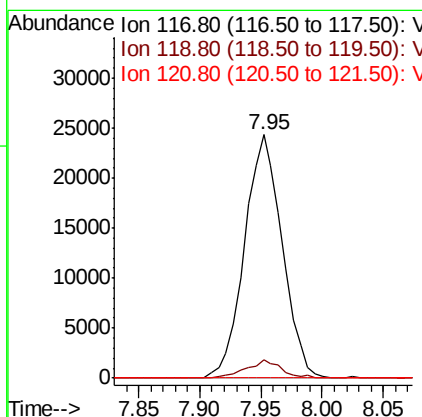
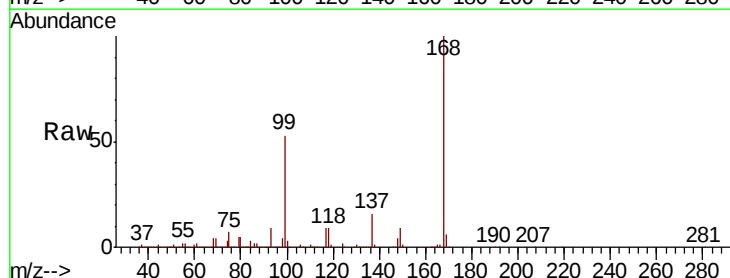
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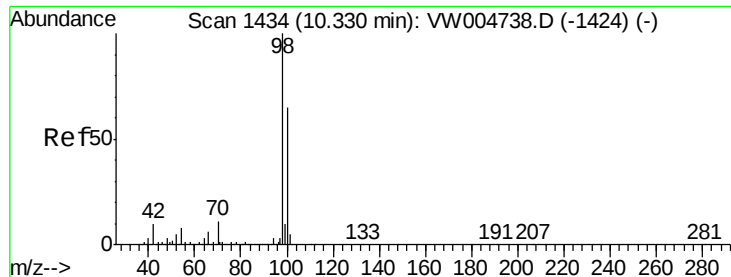
Tgt Ion: 43 Resp: 4391
 Ion Ratio Lower Upper
 43 100
 61 111.3 11.6 17.4#
 70 0.8 9.2 13.8#



#38
 Carbon Tetrachloride
 Concen: 6.057 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004793.D
 Acq: 20 Aug 2018 16:11

Tgt Ion: 117 Resp: 52047
 Ion Ratio Lower Upper
 117 100
 119 7.3 78.0 117.0#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 41.011 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004793.D

Acq: 20 Aug 2018 16:11

Instrument :

MSVOA_W

ClientSampled :

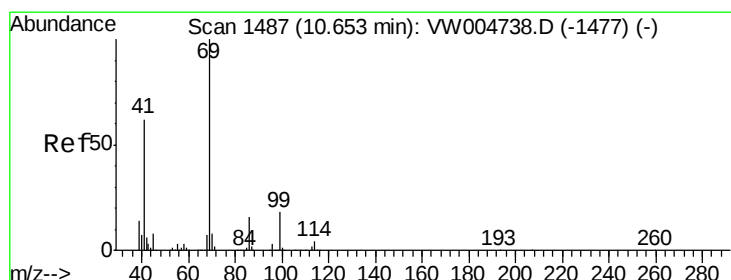
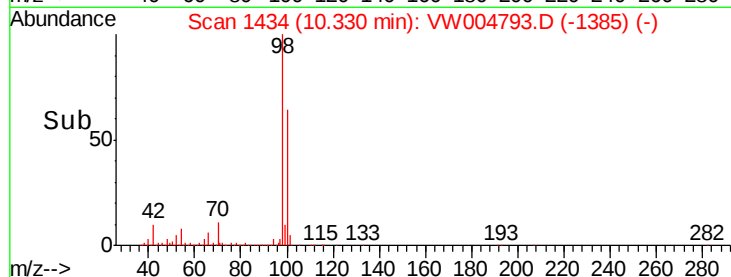
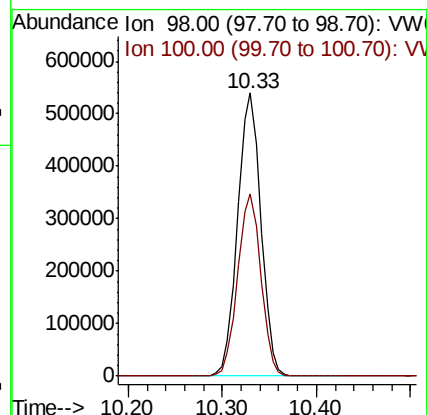
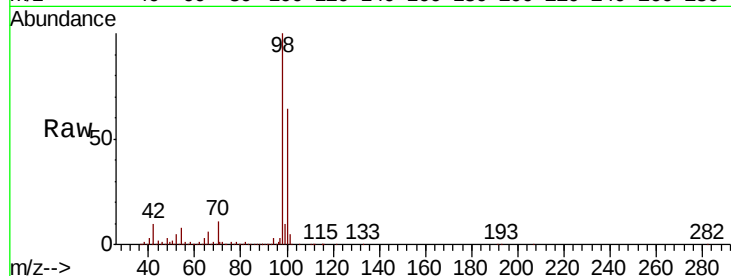
VSS2

Tgt Ion: 98 Resp: 927173

Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.8



#56

Ethyl methacrylate

Concen: 3.000 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW004793.D

Acq: 20 Aug 2018 16:11

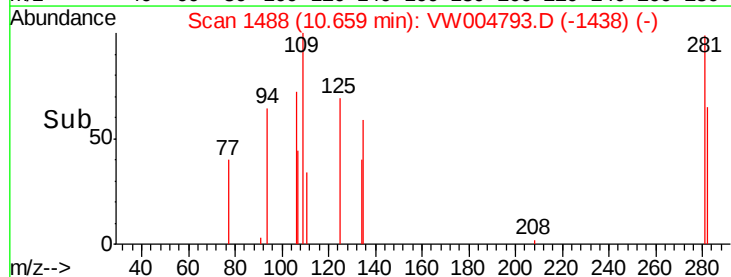
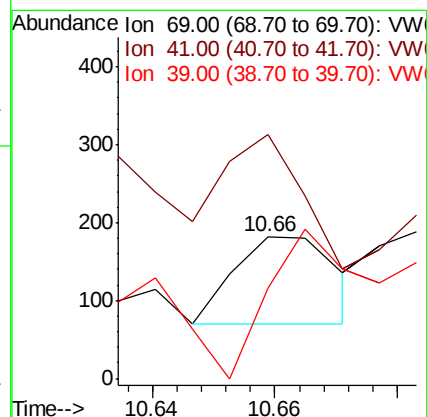
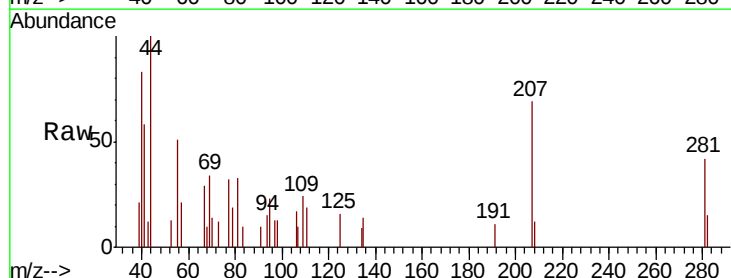
Tgt Ion: 69 Resp: 128

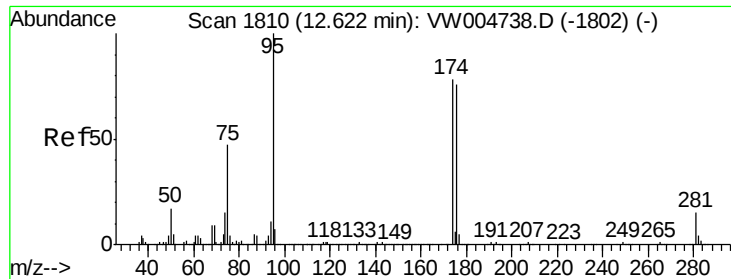
Ion Ratio Lower Upper

69 100

41 116.4 50.7 76.1#

39 227.3 21.4 32.2#

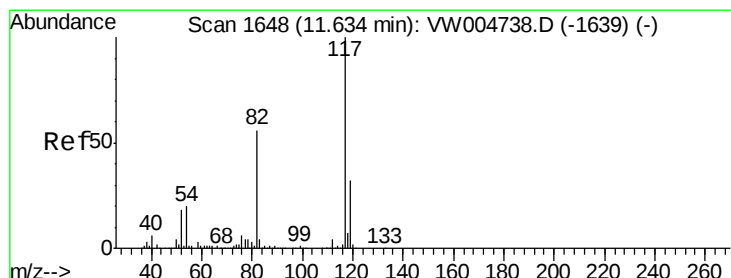
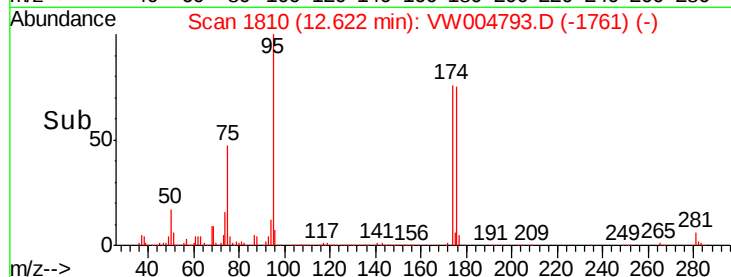
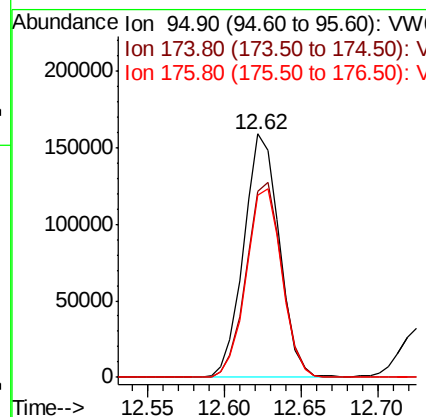
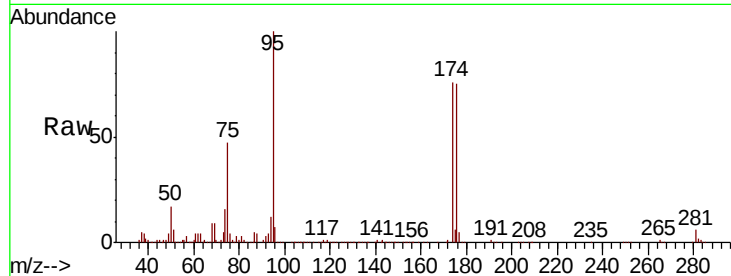




#62
4-Bromofluorobenzene
Concen: 31.311 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004793.D
Acq: 20 Aug 2018 16:11

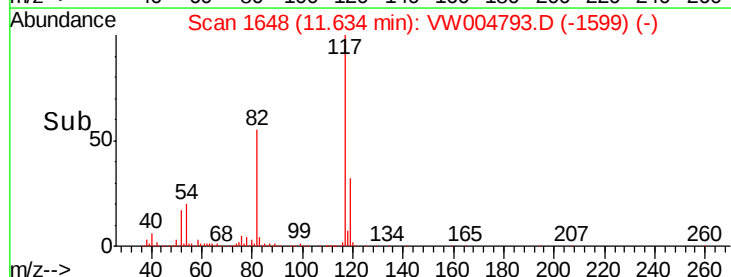
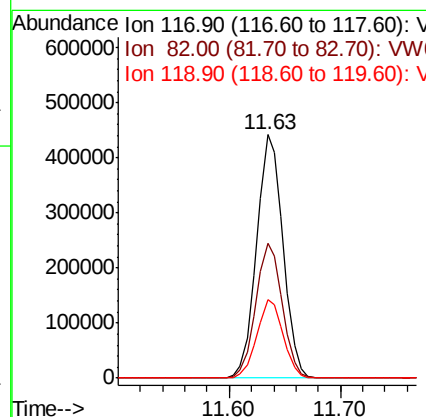
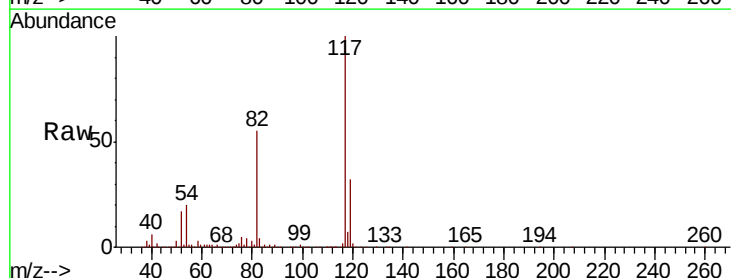
Instrument :
MSVOA_W
ClientSampleId :
VSS2

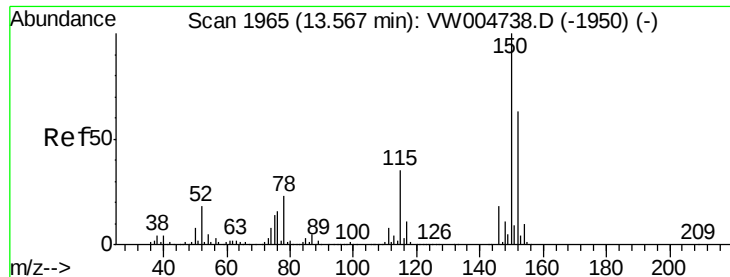
Tgt Ion: 95 Resp: 254673
Ion Ratio Lower Upper
95 100
174 81.0 0.0 165.8
176 78.4 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004793.D
Acq: 20 Aug 2018 16:11

Tgt Ion: 117 Resp: 730858
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 32.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004793.D

Acq: 20 Aug 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSS2

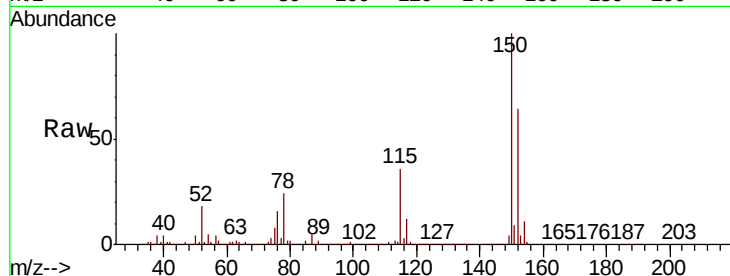
Tgt Ion:152 Resp: 237557

Ion Ratio Lower Upper

152 100

115 55.9 28.5 85.5

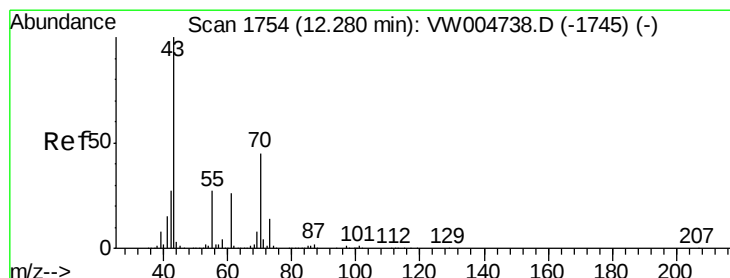
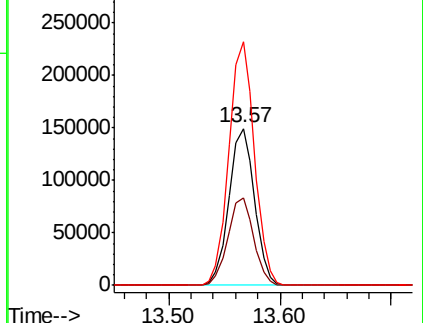
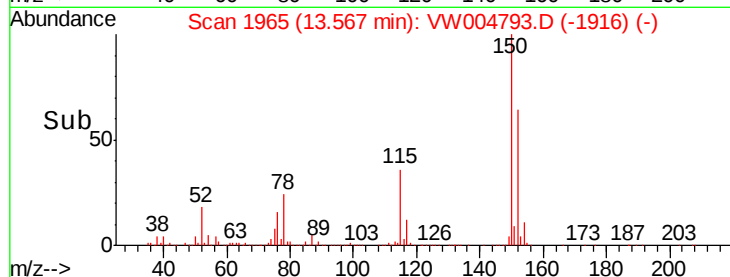
150 154.5 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 4.339 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. 0.09 min

Lab File: VW004793.D

Acq: 20 Aug 2018 16:11

Tgt Ion: 43 Resp: 1315

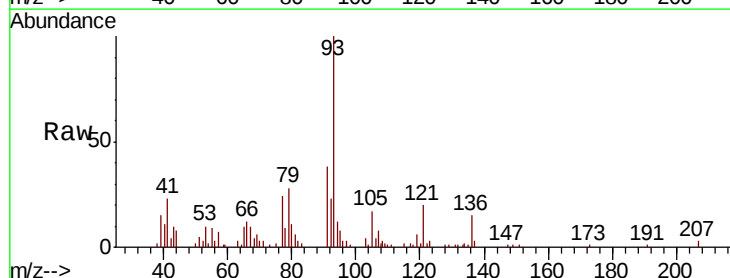
Ion Ratio Lower Upper

43 100

70 39.8 36.3 54.5

55 138.1 22.6 33.8#

61 0.0 20.2 30.4#

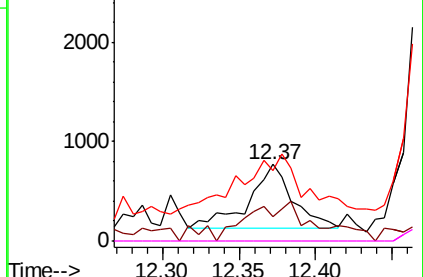
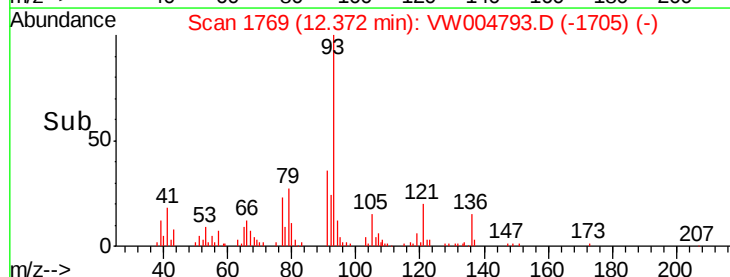


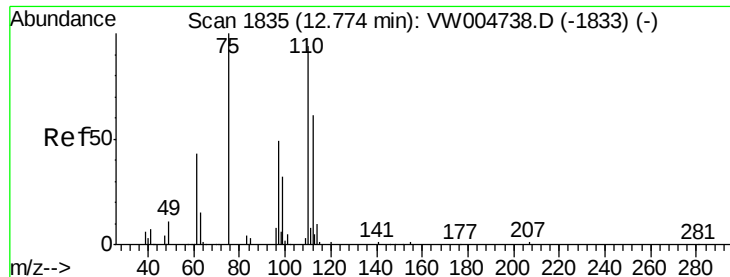
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

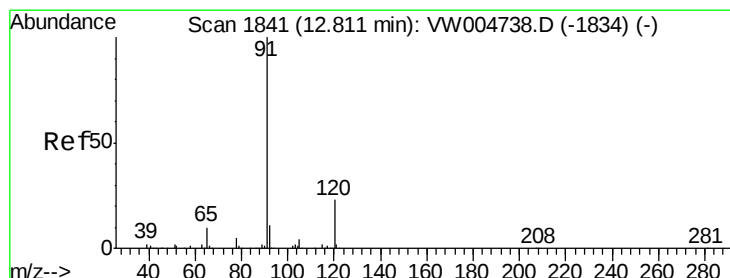
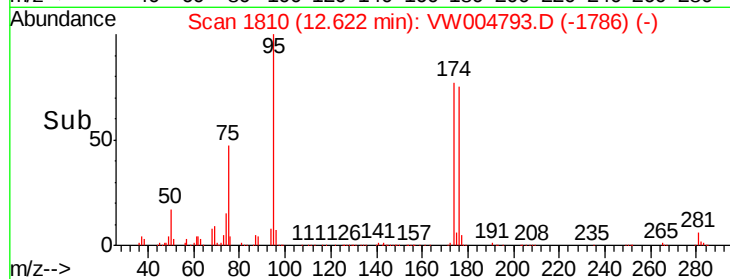
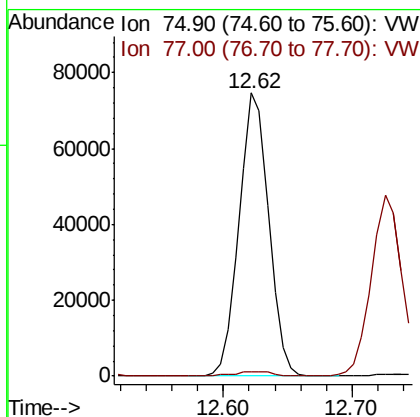
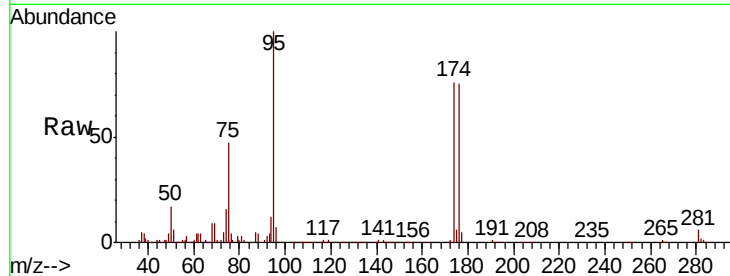




#76
 1,2,3-Trichloropropane
 Concen: 56.836 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004793.D
 Acq: 20 Aug 2018 16:11

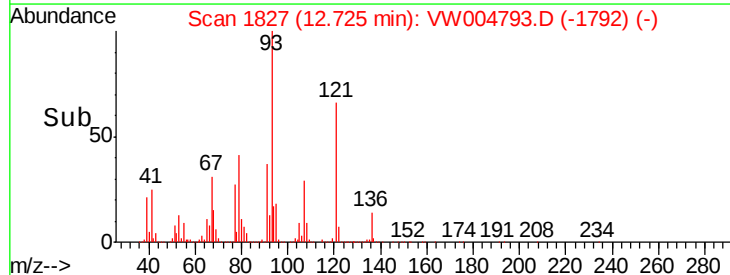
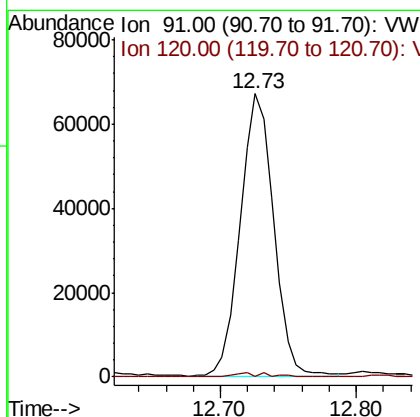
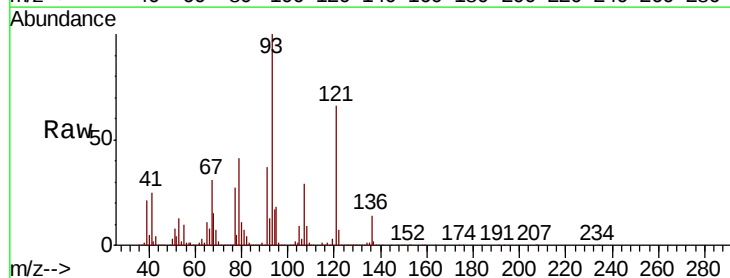
Instrument :
 MSVOA_W
 ClientSampled :
 VSS2

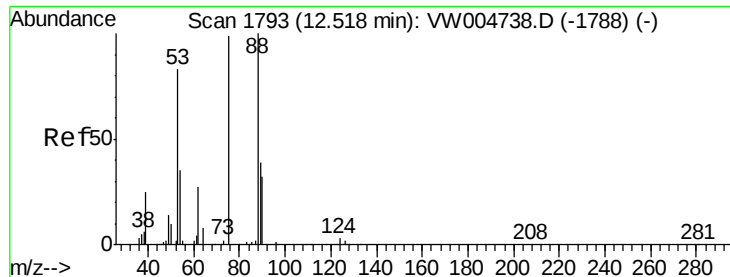
Tgt Ion: 75 Resp: 119022
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#78
 n-propylbenzene
 Concen: 5.806 ug/l
 RT: 12.73 min Scan# 1827
 Delta R.T. -0.09 min
 Lab File: VW004793.D
 Acq: 20 Aug 2018 16:11

Tgt Ion: 91 Resp: 114497
 Ion Ratio Lower Upper
 91 100
 120 0.7 11.4 34.2#

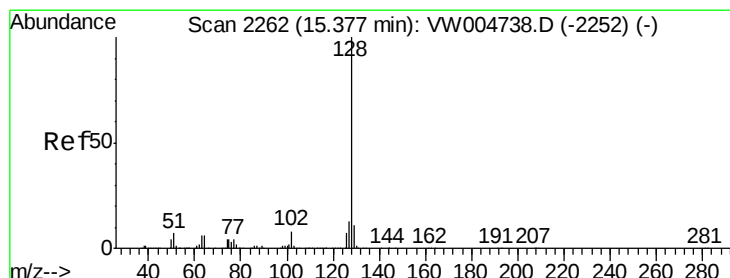
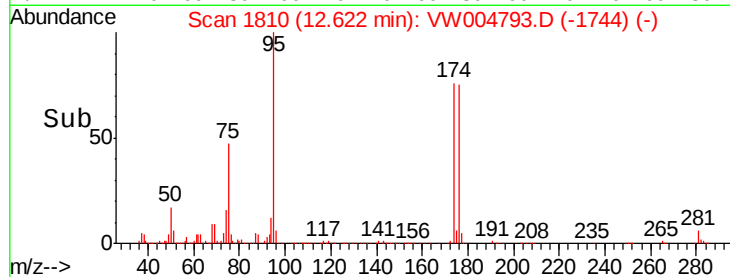
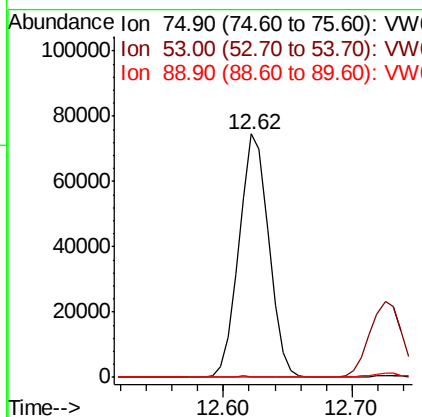
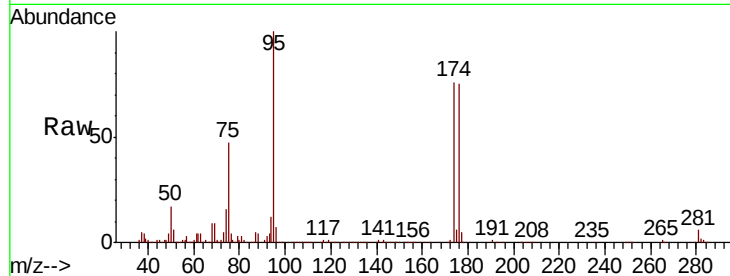




#81
trans-1,4-Dichloro-2-butene
Concen: 132.103 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004793.D
Acq: 20 Aug 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSS2

Tgt Ion: 75 Resp: 119022
Ion Ratio Lower Upper
75 100
53 0.0 72.2 108.4#
89 0.2 35.2 52.8#



#95
Naphthalene
Concen: 3.659 ug/l
RT: 15.37 min Scan# 2261
Delta R.T. -0.01 min
Lab File: VW004793.D
Acq: 20 Aug 2018 16:11

Tgt Ion: 128 Resp: 1593
Ion Ratio Lower Upper
128 100
127 21.8 10.4 15.6#
129 21.5 8.6 13.0#

