

Data File : VW012781.D
Acq On : 08 Sep 2019 20:19
Operator : SY/VA
Sample : K4603-19
Misc : 2.27G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F4-(3.11)

Quant Time: Sep 09 06:01:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	292195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	93491	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	111882	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.88	113	87755	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.32	98	342187	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.62	95	102607	41.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.06%	

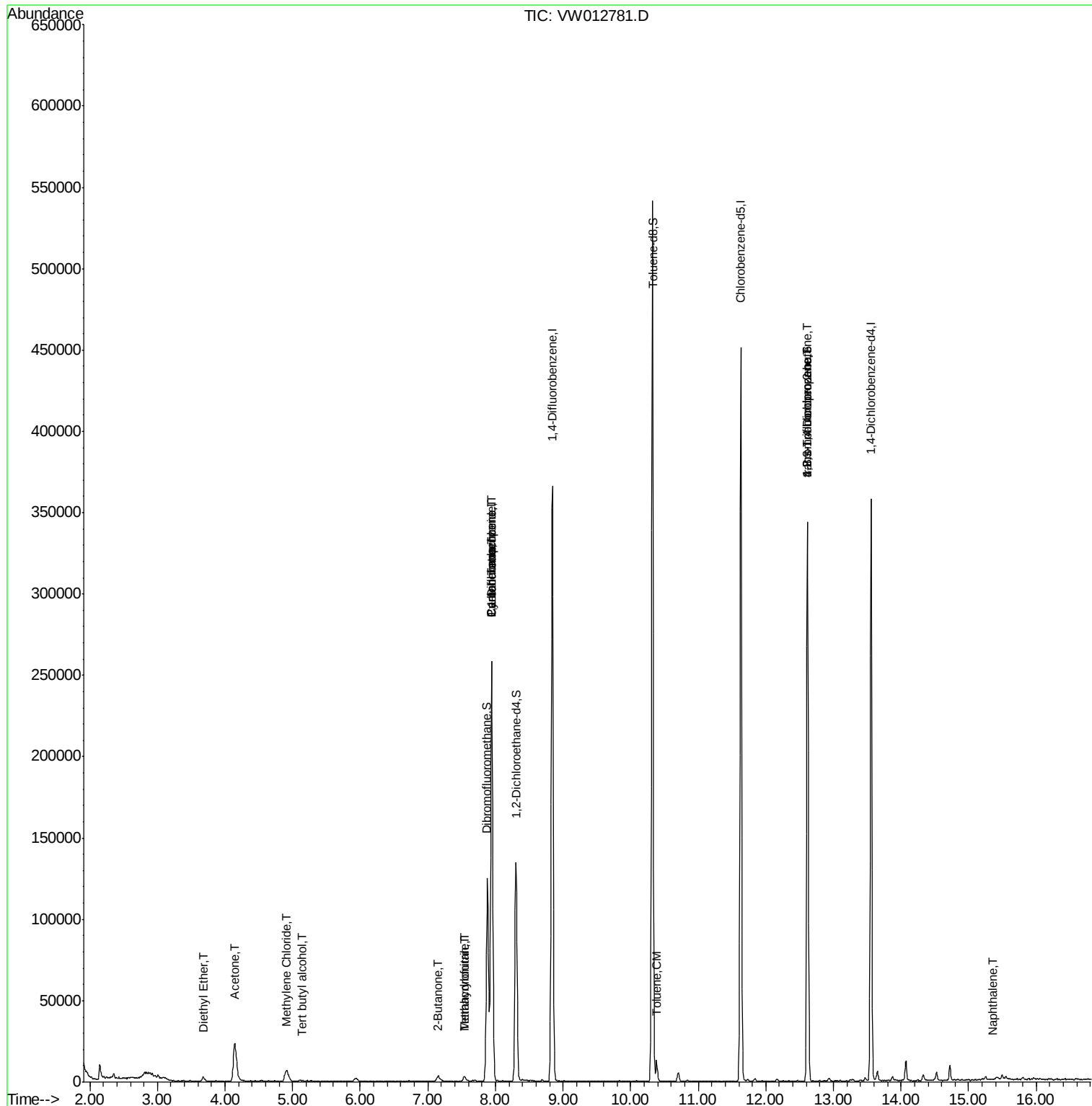
Target Compounds			Qvalue			
8) Diethyl Ether	3.68	74	1344	1.489	ug/l	87
11) Tert butyl alcohol	5.14	59	196	1.190	ug/l #	72
16) Acetone	4.15	43	53389	90.962	ug/l	94
20) Methylene Chloride	4.90	84	5206	2.835	ug/l #	90
25) 2-Butanone	7.16	43	361	20.065	ug/l #	53
29) Tetrahydrofuran	7.53	42	2575	5.433	ug/l #	68
31) Cyclohexane	7.94	56	4427	1.399	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14808	5.704	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19817	7.743	ug/l #	17
41) Methacrylonitrile	7.54	41	1759	5.282	ug/l #	57
52) Toluene	10.39	92	4634	1.031	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	55154	57.693	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55154	122.025	ug/l #	6
95) Naphthalene	15.36	128	158	4.476	ug/l #	76

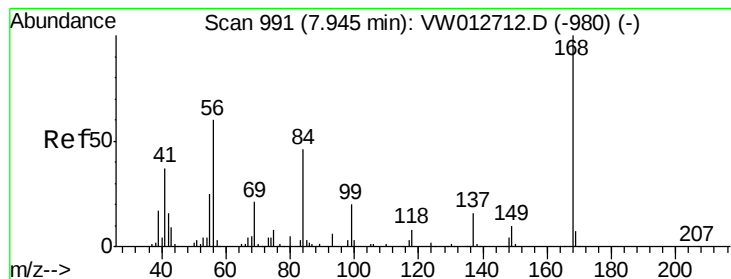
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012781.D
Acq On : 08 Sep 2019 20:19
Operator : SY/VA
Sample : K4603-19
Misc : 2.27G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F4-(3.11)

Quant Time: Sep 09 06:01:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012781.D

Acq: 08 Sep 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

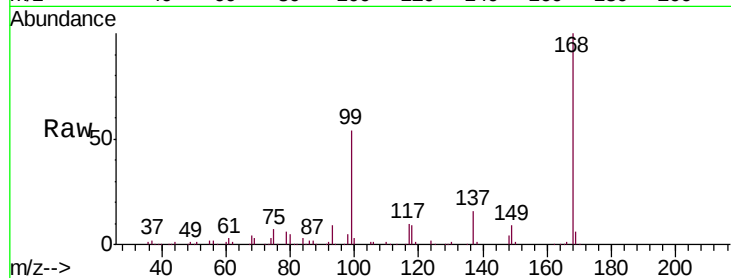
PAR-12-F4(3.11)

Tgt Ion:168 Resp: 192687

Ion Ratio Lower Upper

168 100

99 54.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

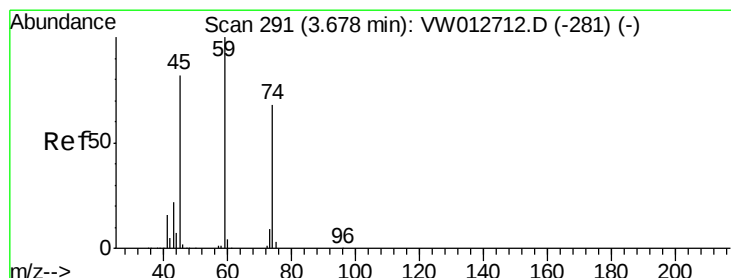
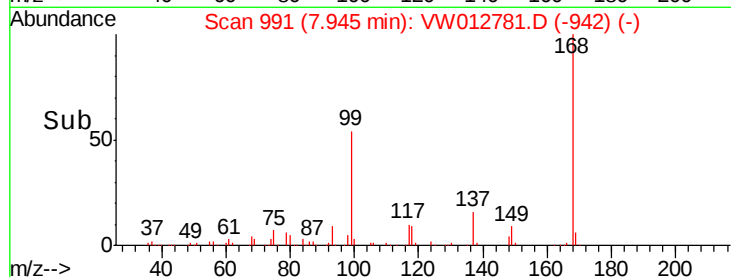
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.489 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012781.D

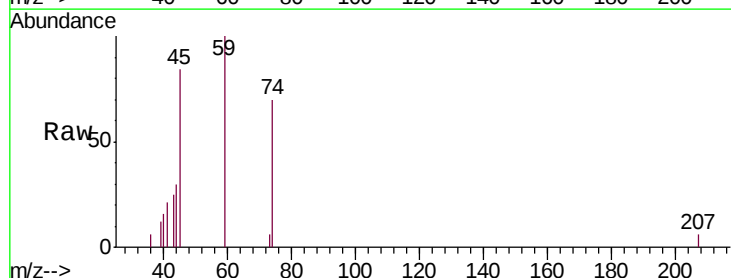
Acq: 08 Sep 2019 20:19

Tgt Ion: 74 Resp: 1344

Ion Ratio Lower Upper

74 100

45 132.0 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

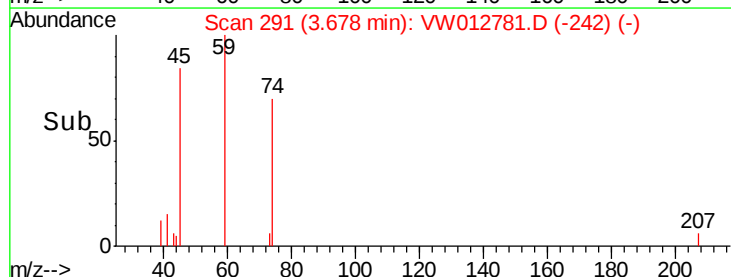
600

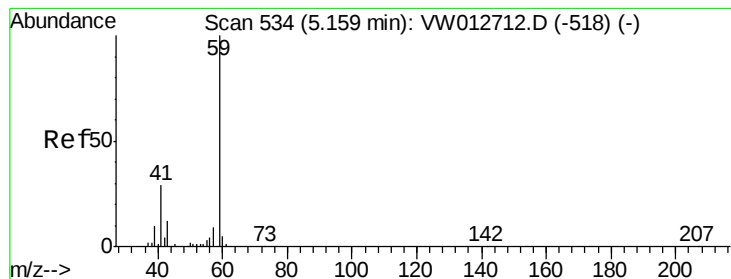
400

200

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 1.190 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW012781.D

Acq: 08 Sep 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

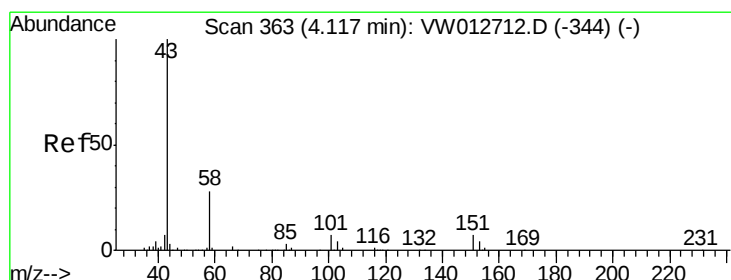
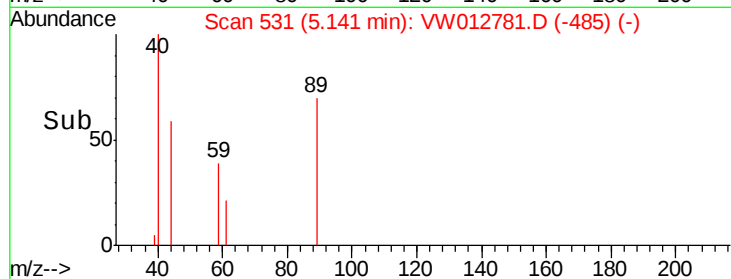
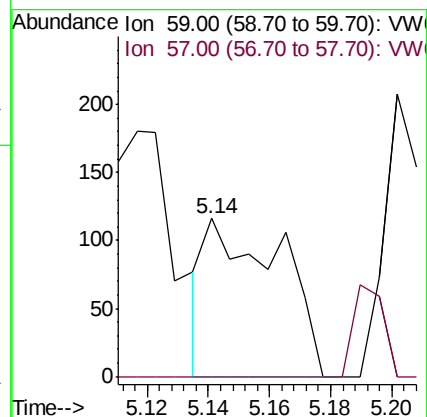
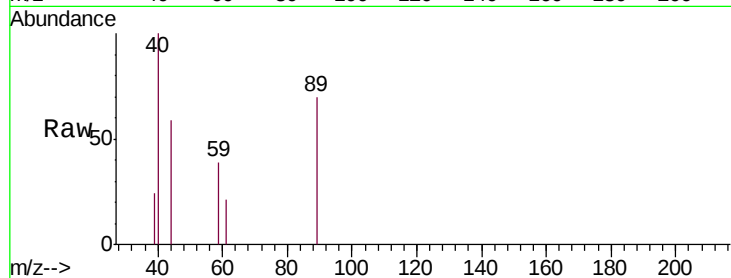
PAR-12-F4-(3.11)

Tgt Ion: 59 Resp: 196

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 90.962 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012781.D

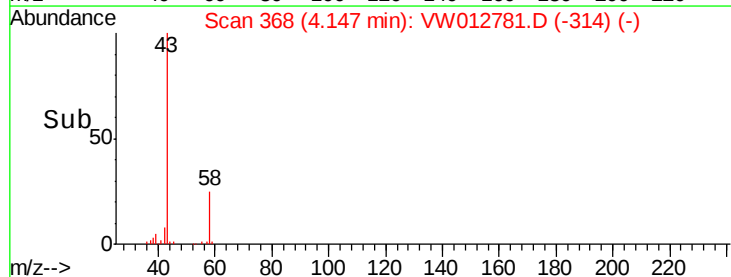
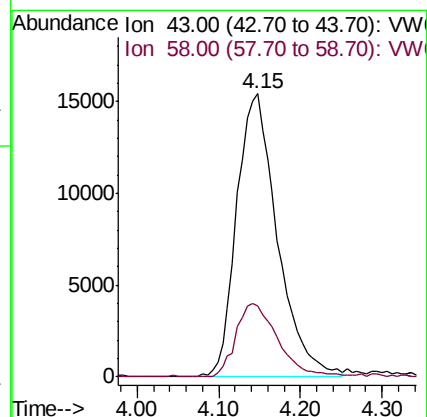
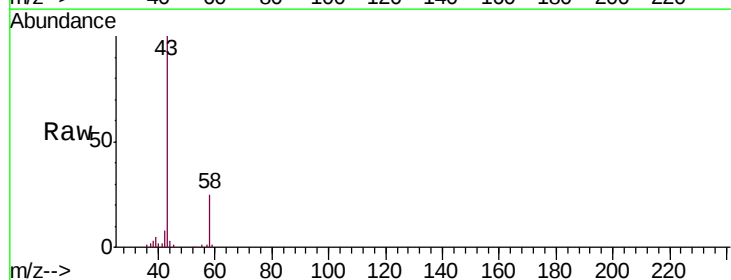
Acq: 08 Sep 2019 20:19

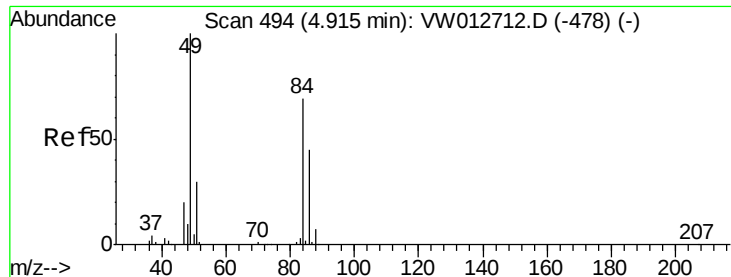
Tgt Ion: 43 Resp: 53389

Ion Ratio Lower Upper

43 100

58 25.2 22.6 33.8

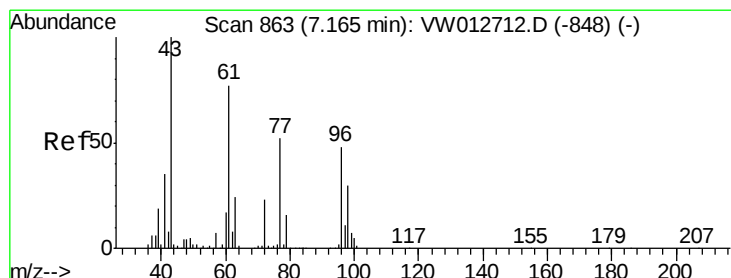
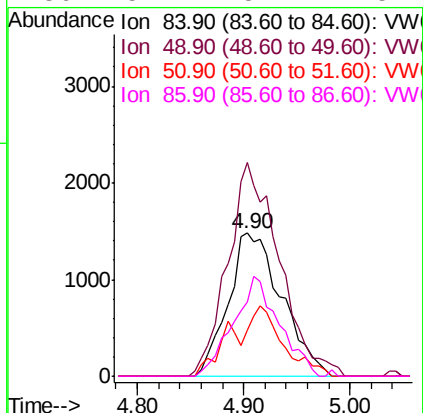
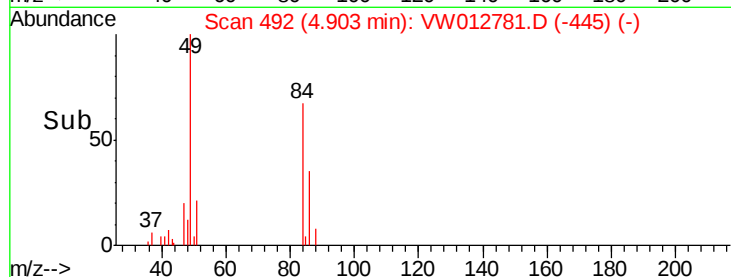
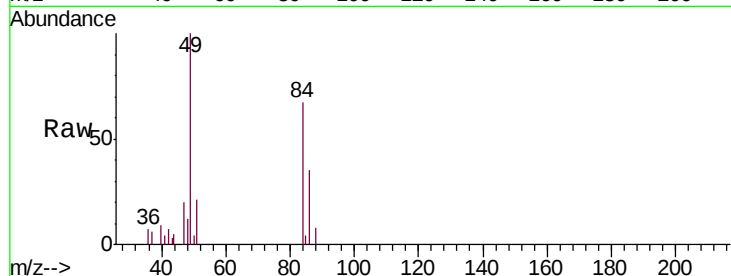




#20
Methylene Chloride
Concen: 2.835 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012781.D
Acq: 08 Sep 2019 20:19

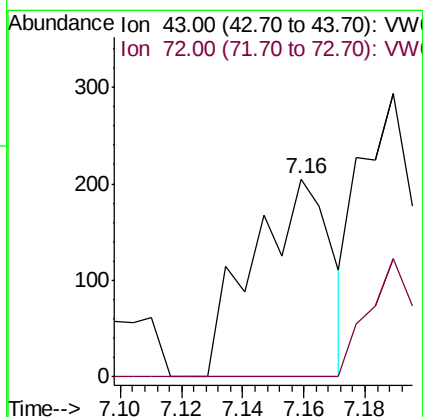
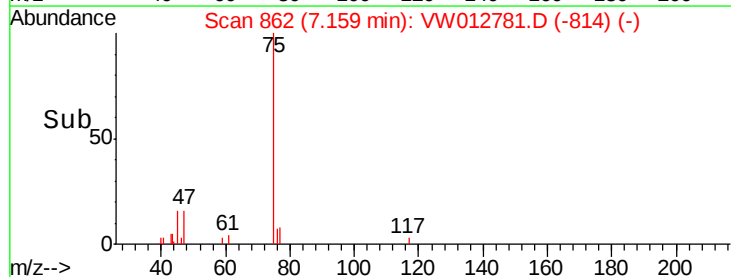
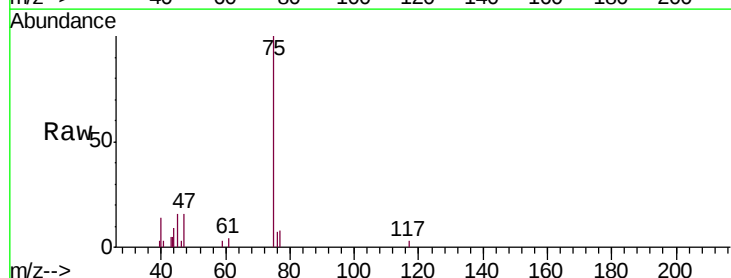
Instrument :
MSVOA_W
ClientSampled :
PAR-12-F4(3.11)

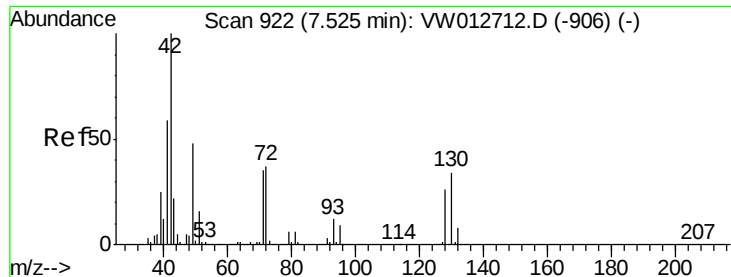
Tgt Ion: 84 Resp: 5206
Ion Ratio Lower Upper
84 100
49 149.4 115.4 173.0
51 31.9 34.9 52.3#
86 52.2 52.2 78.4#



#25
2-Butanone
Concen: 20.065 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012781.D
Acq: 08 Sep 2019 20:19

Tgt Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#

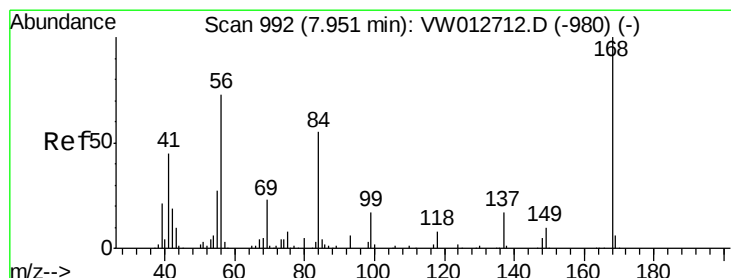
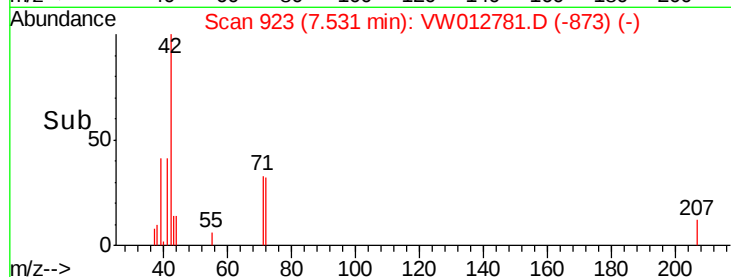
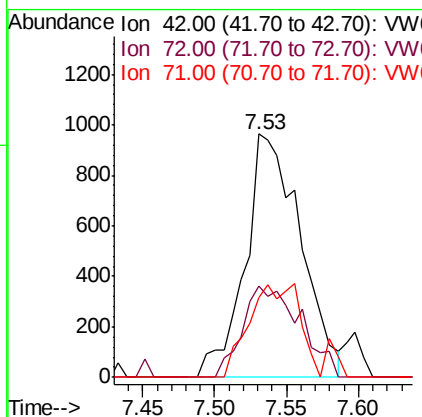
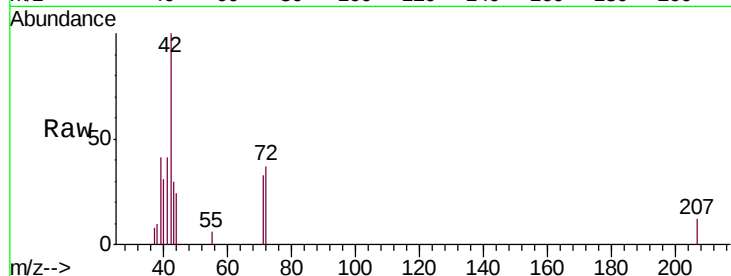




#29
Tetrahydrofuran
Concen: 5.433 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012781.D
Acq: 08 Sep 2019 20:19

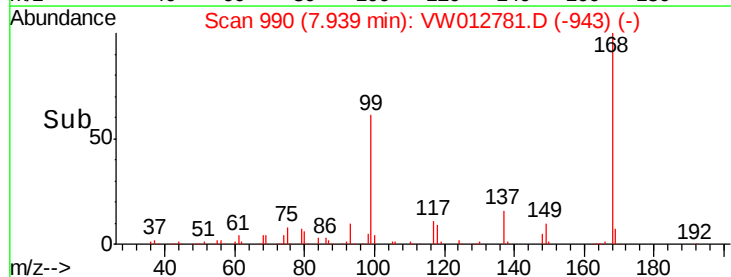
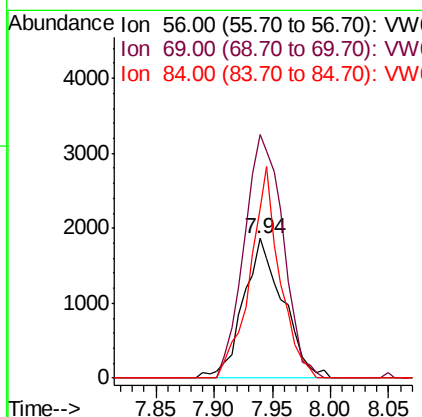
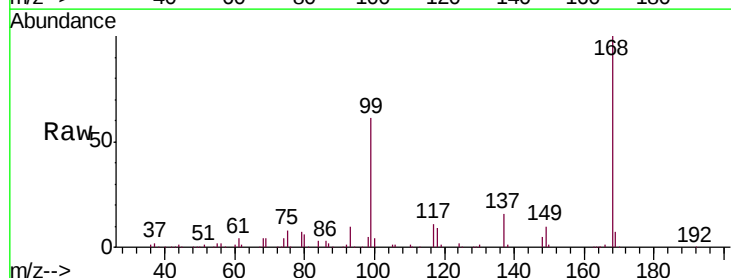
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F4(3.11)

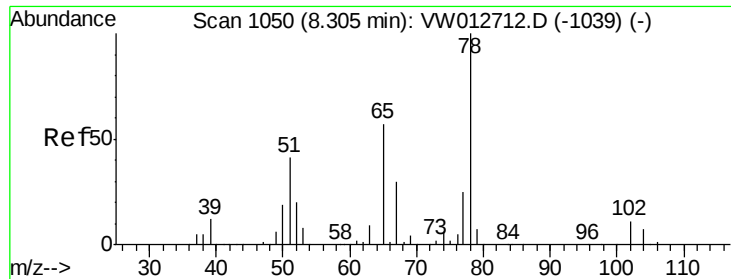
Tgt Ion: 42 Resp: 2575
Ion Ratio Lower Upper
42 100
72 39.0 28.4 42.6
71 0.0 27.1 40.7#



#31
Cyclohexane
Concen: 1.399 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012781.D
Acq: 08 Sep 2019 20:19

Tgt Ion: 56 Resp: 4427
Ion Ratio Lower Upper
56 100
69 174.3 25.7 38.5#
84 120.9 60.4 90.6#

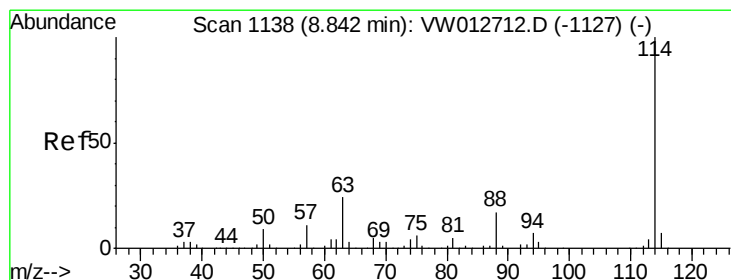
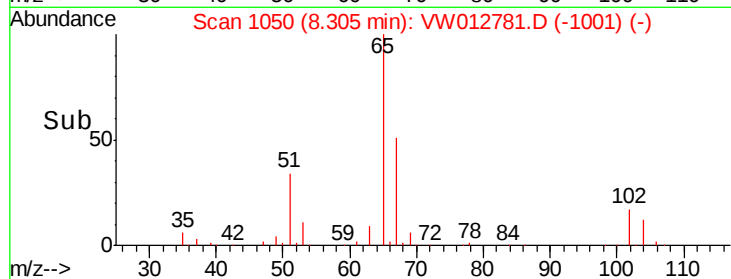
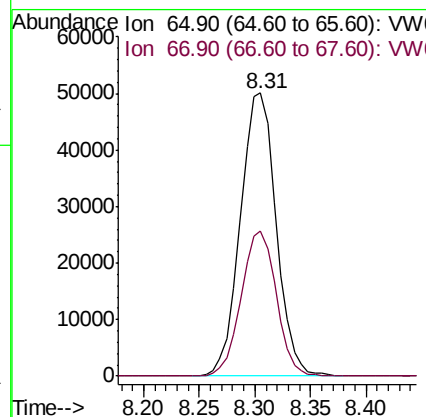
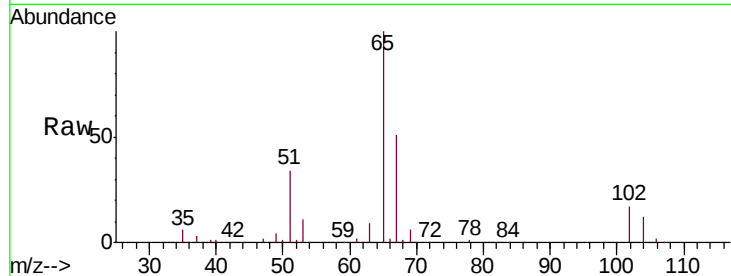




#33
 1,2-Dichloroethane-d4
 Concen: 51.967 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012781.D
 Acq: 08 Sep 2019 20:19

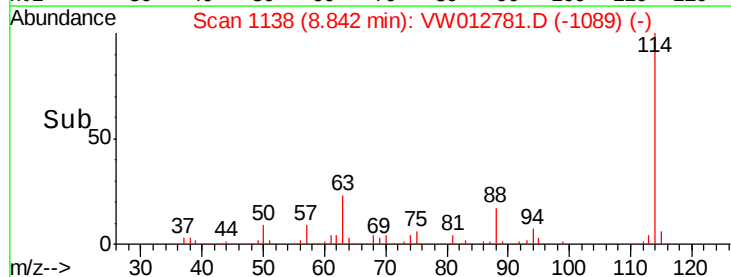
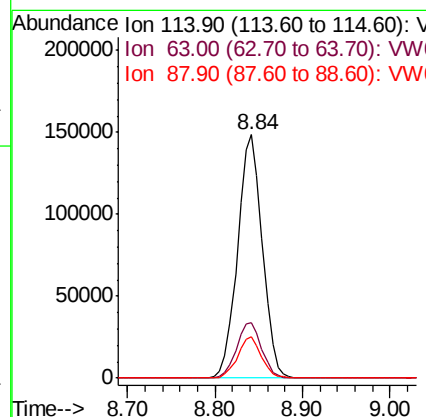
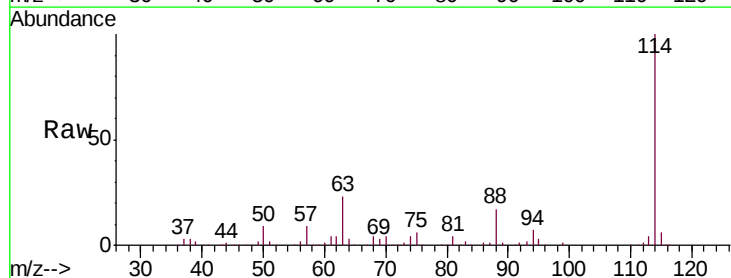
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-F4(3.11)

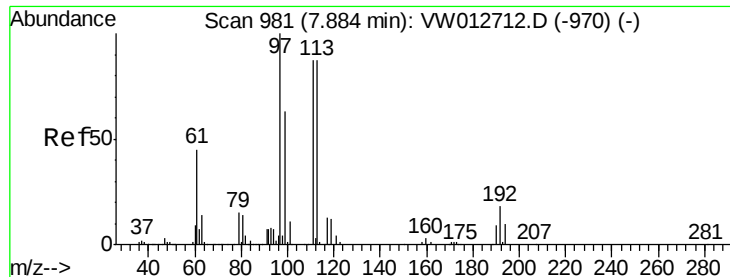
Tgt Ion: 65 Resp: 111882
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012781.D
 Acq: 08 Sep 2019 20:19

Tgt Ion: 114 Resp: 292195
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.2
 88 16.8 0.0 34.0

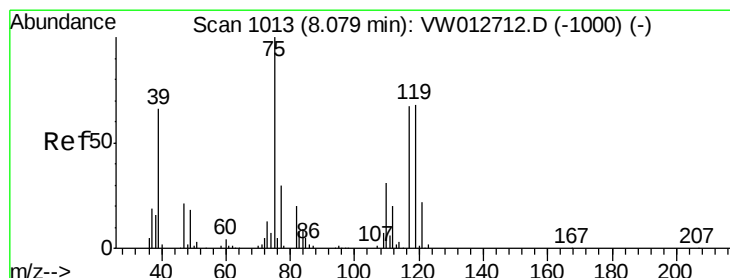
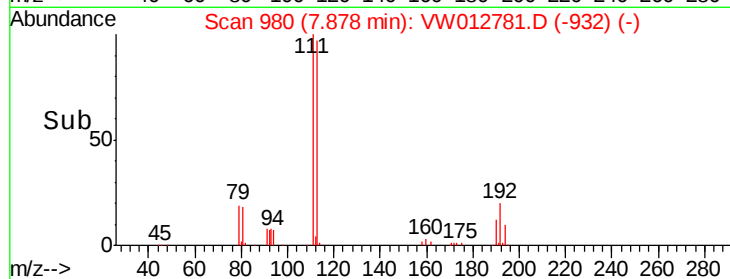
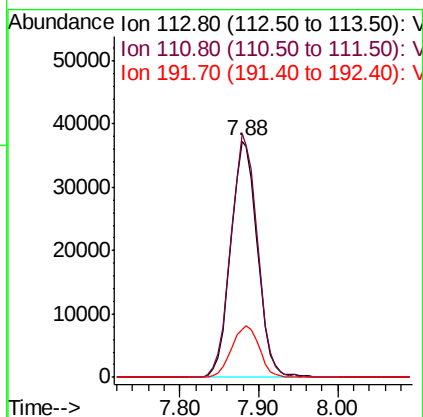
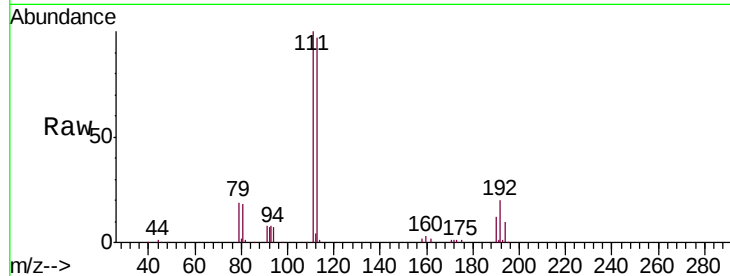




#35
 Dibromofluoromethane
 Concen: 50.516 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012781.D
 Acq: 08 Sep 2019 20:19

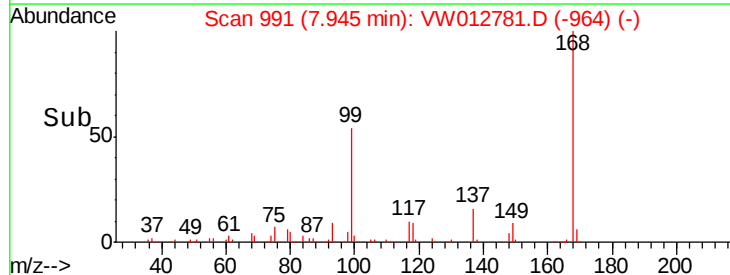
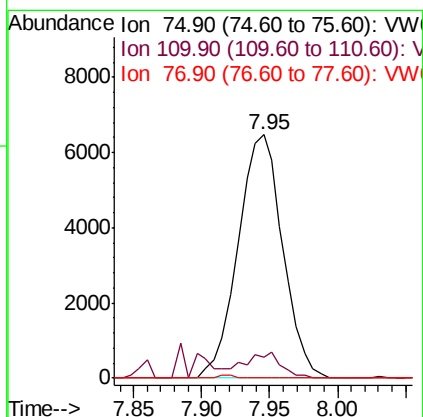
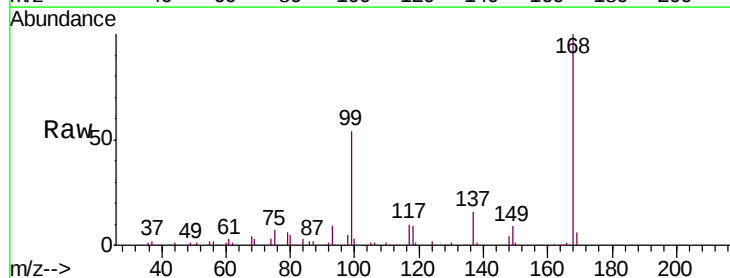
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-F4(3.11)

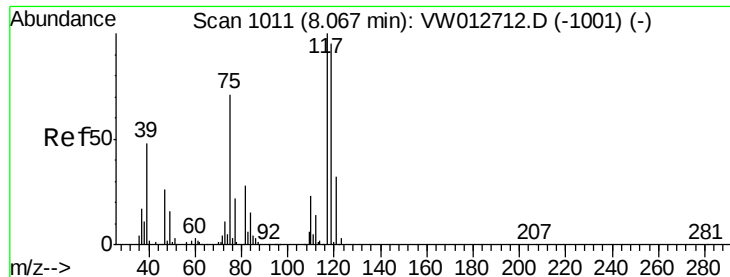
Tgt Ion: 113 Resp: 87755
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.2 120.4
 192 22.6 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.704 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012781.D
 Acq: 08 Sep 2019 20:19

Tgt Ion: 75 Resp: 14808
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.743 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012781.D

Acq: 08 Sep 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F4-(3.11)

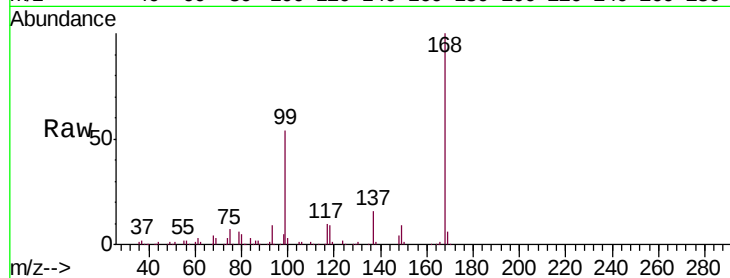
Tgt Ion:117 Resp: 19817

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

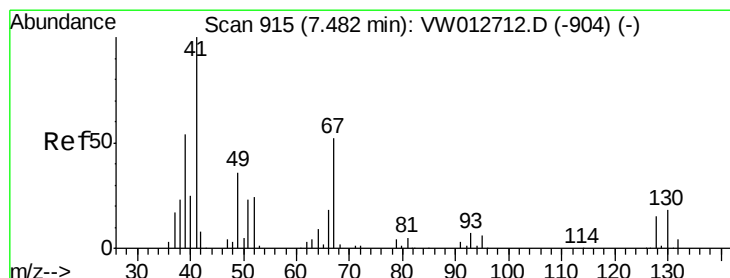
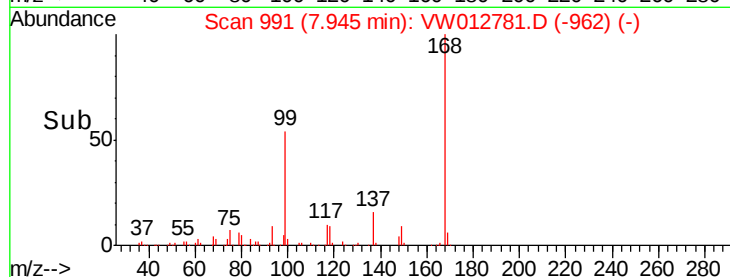
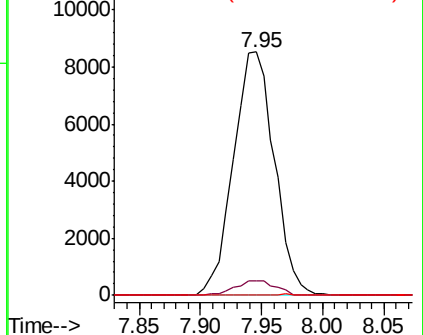
121 0.0 25.4 38.2#



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



#41

Methacrylonitrile

Concen: 5.282 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012781.D

Acq: 08 Sep 2019 20:19

Tgt Ion: 41 Resp: 1759

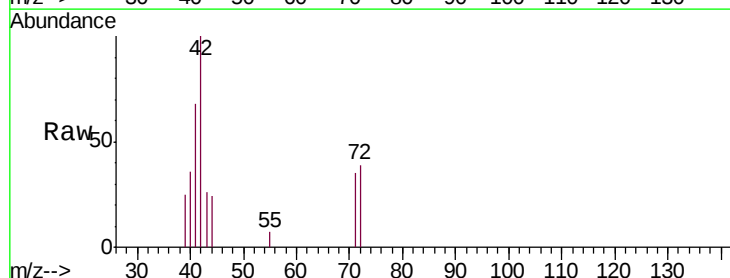
Ion Ratio Lower Upper

41 100

39 53.8 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

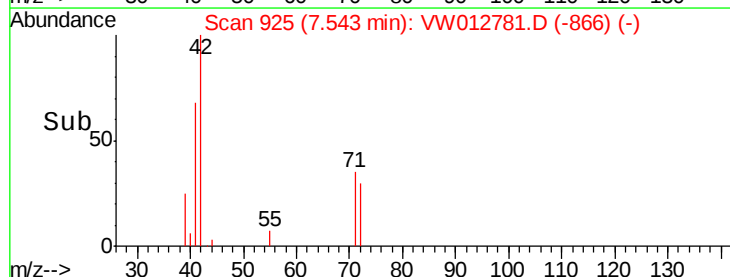
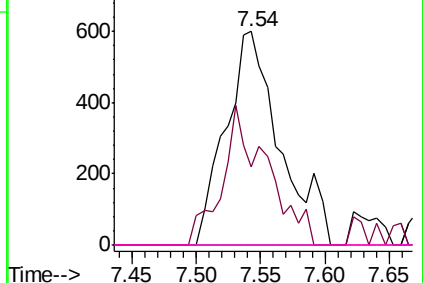


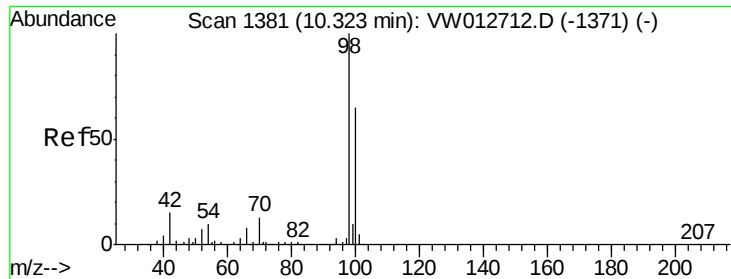
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

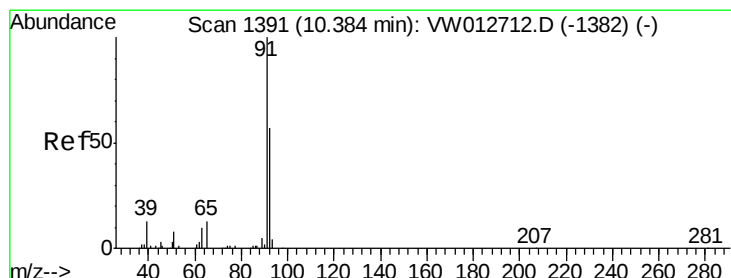
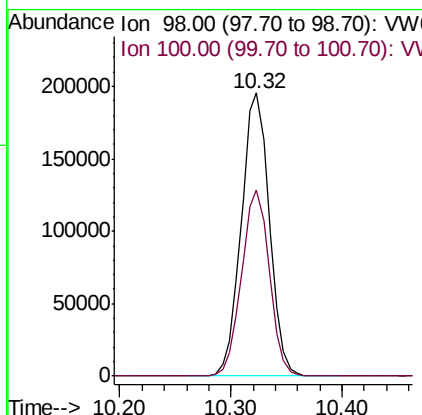
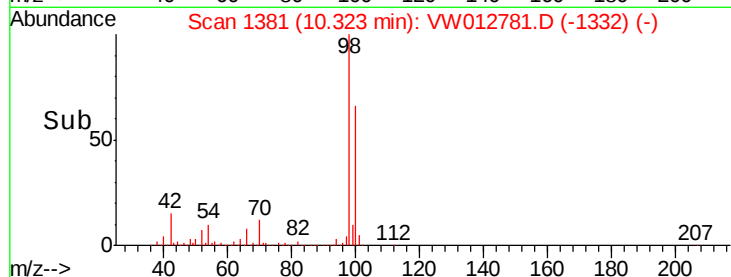
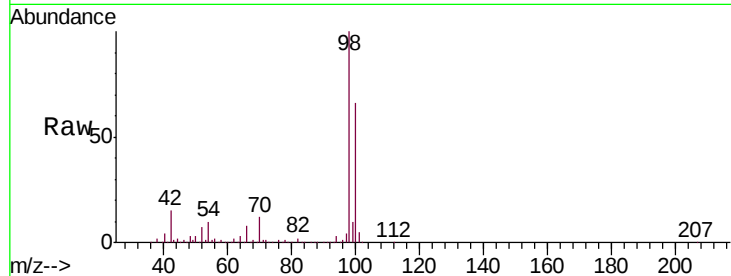




#50
Toluene-d8
Concen: 50.278 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012781.D
Acq: 08 Sep 2019 20:19

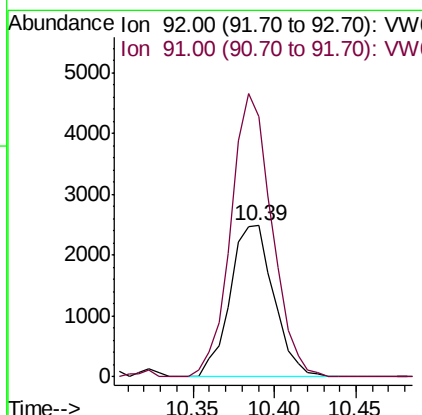
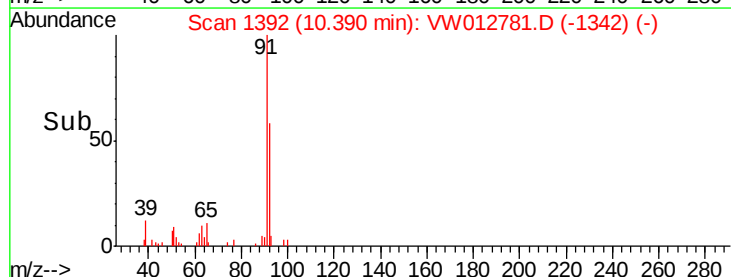
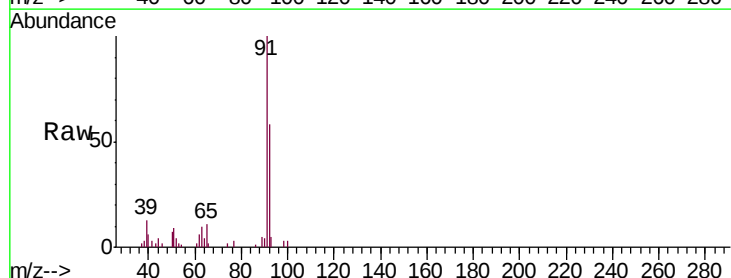
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F4-(3.11)

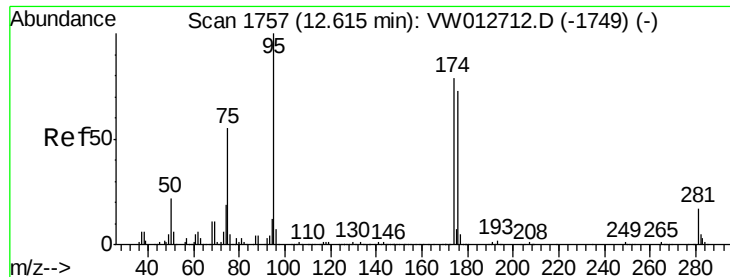
Tgt Ion: 98 Resp: 342187
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#52
Toluene
Concen: 1.031 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW012781.D
Acq: 08 Sep 2019 20:19

Tgt Ion: 92 Resp: 4634
Ion Ratio Lower Upper
92 100
91 176.1 137.0 205.4

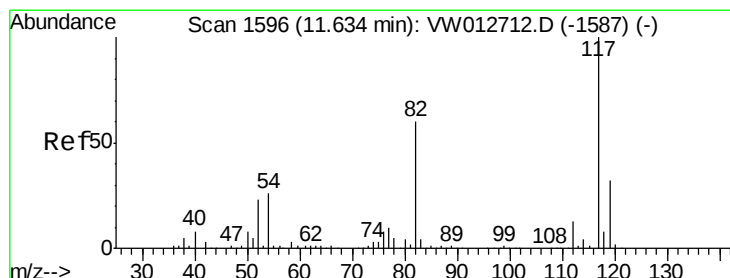
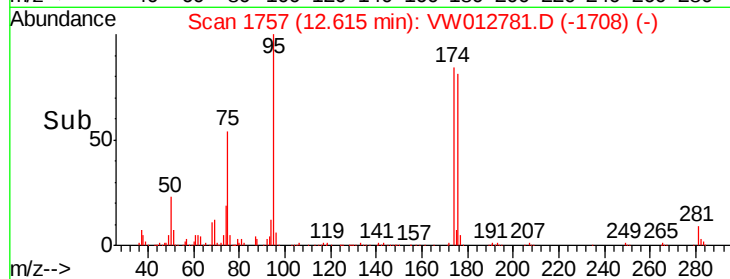
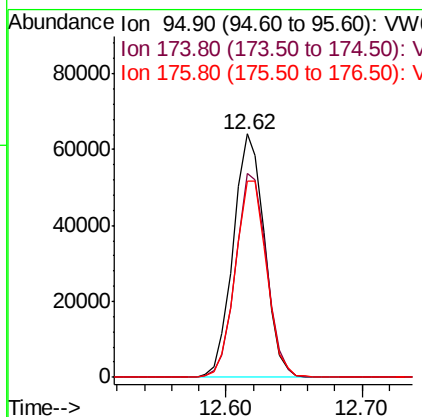
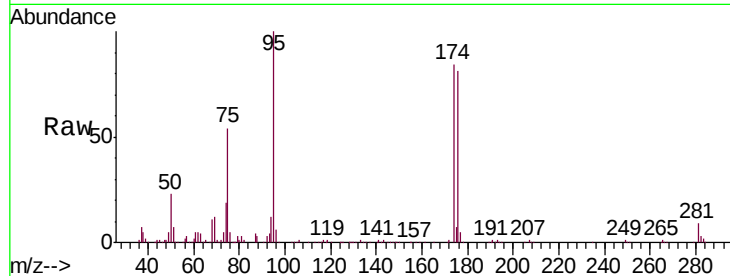




#62
4-Bromofluorobenzene
Concen: 41.529 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012781.D
Acq: 08 Sep 2019 20:19

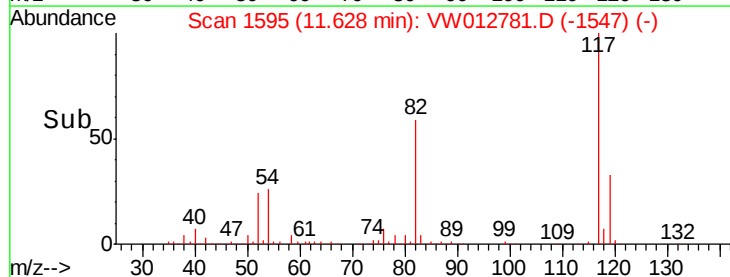
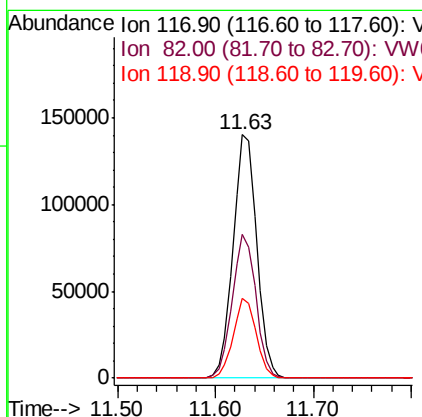
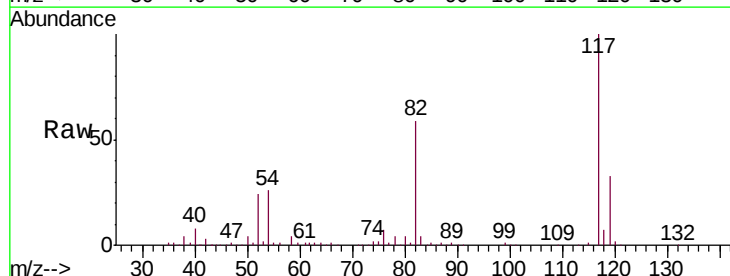
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F4-(3.11)

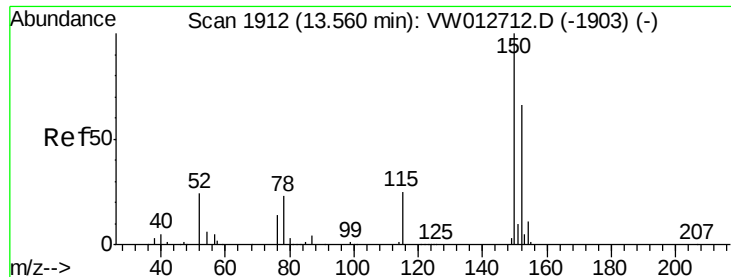
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	161.0
176	81.4	0.0	156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012781.D
Acq: 08 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.1	48.2	72.4
119	32.9	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012781.D

Acq: 08 Sep 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F4(3.11)

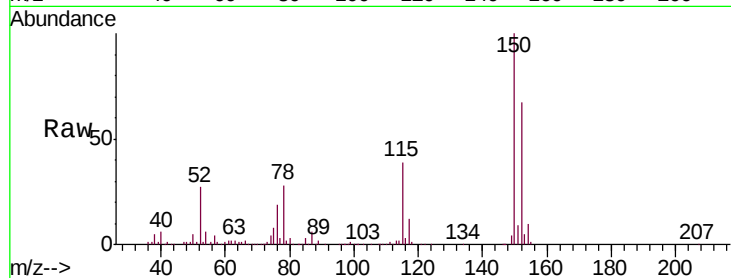
Tgt Ion:152 Resp: 93491

Ion Ratio Lower Upper

152 100

115 58.2 30.0 90.1

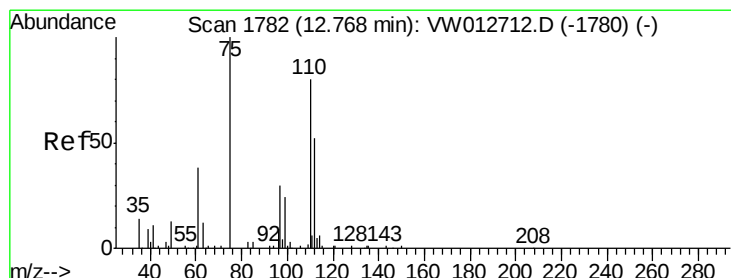
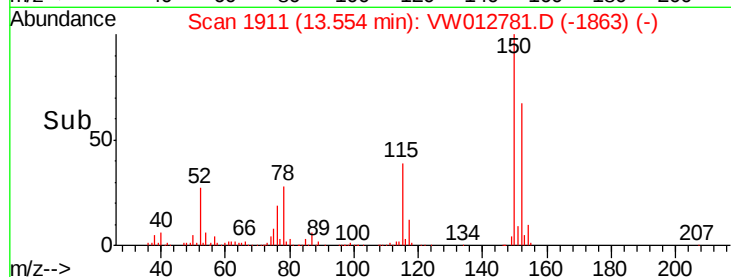
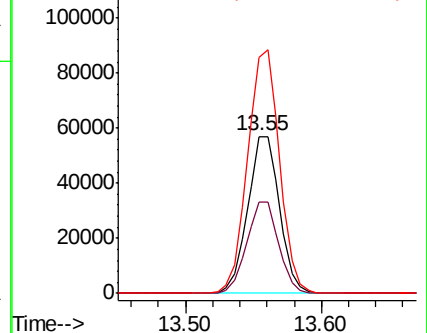
150 154.9 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 57.693 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012781.D

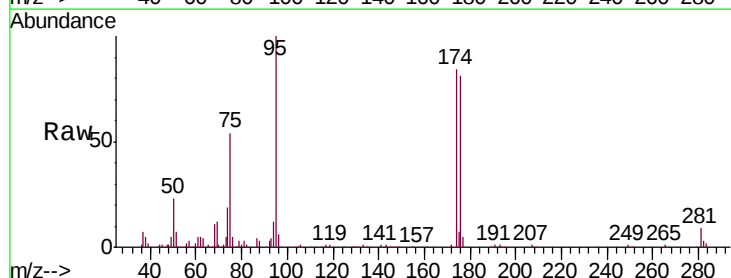
Acq: 08 Sep 2019 20:19

Tgt Ion: 75 Resp: 55154

Ion Ratio Lower Upper

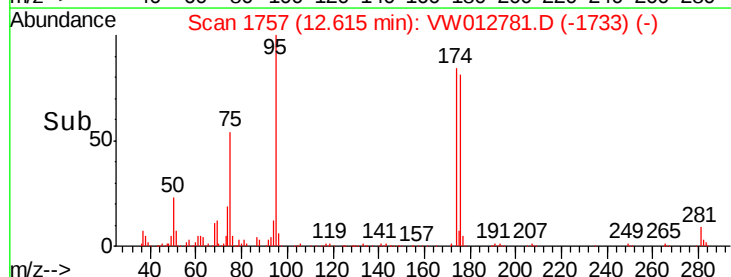
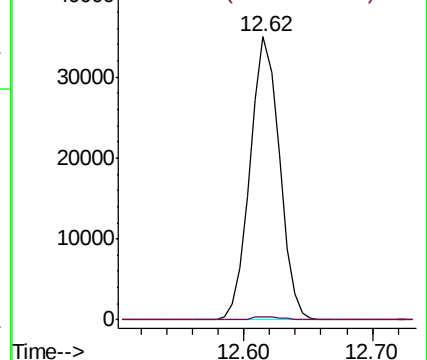
75 100

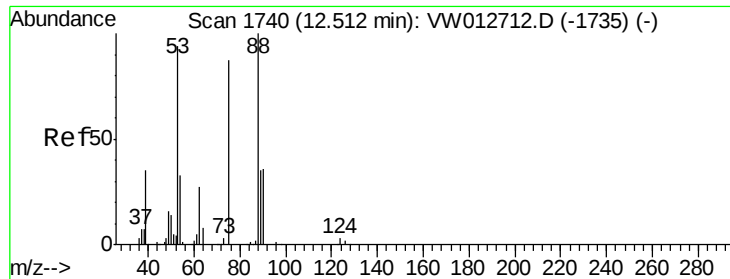
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 122.025 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012781.D

Acq: 08 Sep 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F4(3.11)

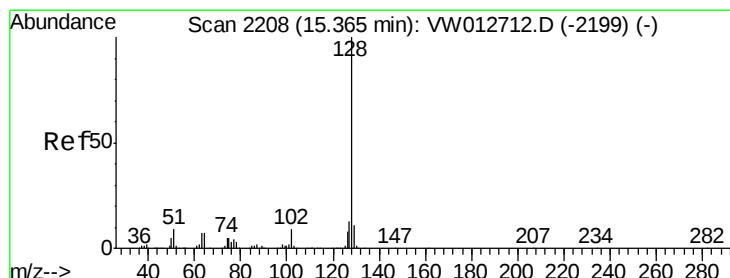
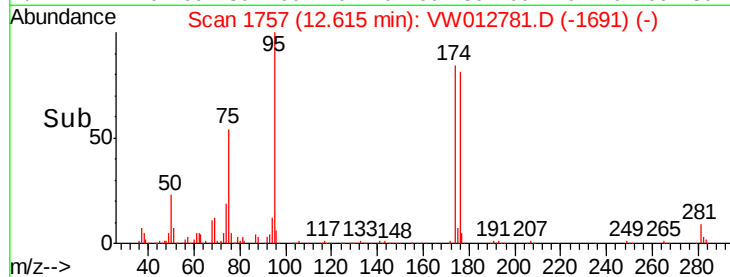
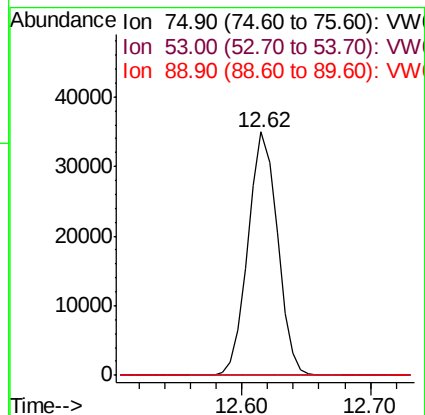
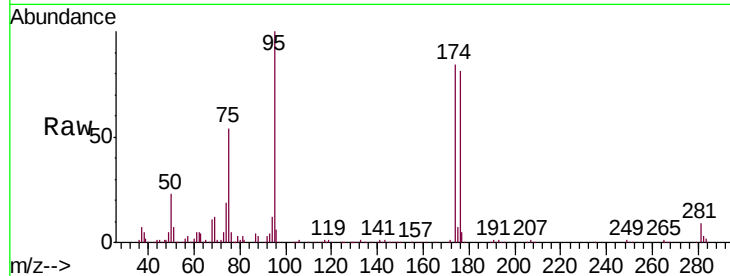
Tgt Ion: 75 Resp: 55154

Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.0 35.5 53.3#



#95

Naphthalene

Concen: 4.476 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012781.D

Acq: 08 Sep 2019 20:19

Tgt Ion: 128 Resp: 158

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 15.8 8.7 13.1#

