

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008653.D
 Acq On : 13 Feb 2019 21:58
 Operator : SY/VA
 Sample : K1345-01
 Misc : 5.86G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-D

Quant Time: Feb 14 04:46:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	430188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	645525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	552612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	248442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	223151	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
35) Dibromofluoromethane	7.88	113	199809	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.32	98	762901	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.62	95	257859	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	

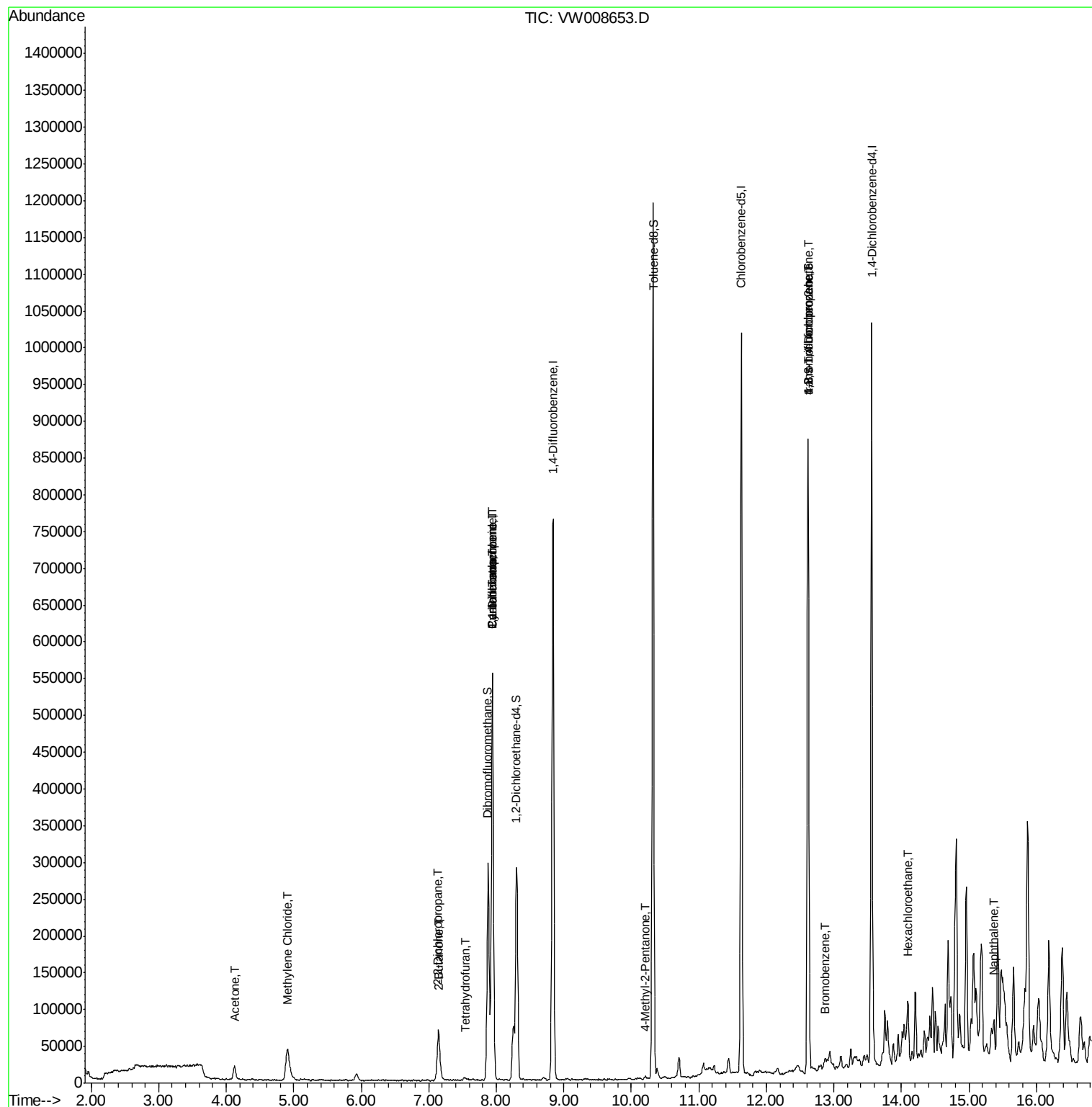
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	32271	31.709	ug/l	99
20) Methylene Chloride	4.91	84	40468	2.093	ug/l #	90
25) 2-Butanone	7.16	43	5543	3.857	ug/l #	69
26) 2,2-Dichloropropane	7.14	77	5282	1.043	ug/l #	52
29) Tetrahydrofuran	7.54	42	3362	3.549	ug/l	92
31) Cyclohexane	7.94	56	9391	1.148	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	32565	5.021	ug/l #	50
38) Carbon Tetrachloride	7.95	117	38770	6.012	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	3613	1.127	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	133870	54.569	ug/l #	100
77) Bromobenzene	12.88	156	4384	1.031	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	133870	116.770	ug/l #	6
90) Hexachloroethane	14.10	117	4300	1.416	ug/l #	11
95) Naphthalene	15.37	128	20658	2.120	ug/l #	91

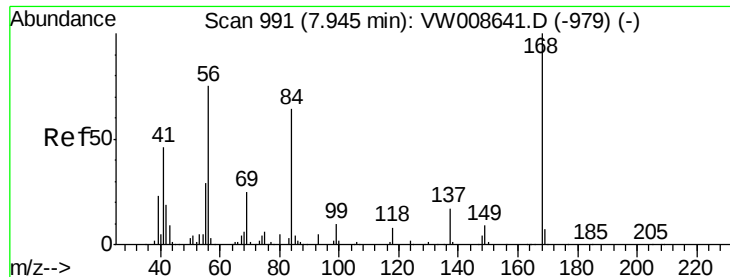
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021319\
Data File : VW008653.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-1-D

Quant Time: Feb 14 04:46:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 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: VW008653.D

Acq: 13 Feb 2019 21:58

Instrument :

MSVOA_W

ClientSampleId :

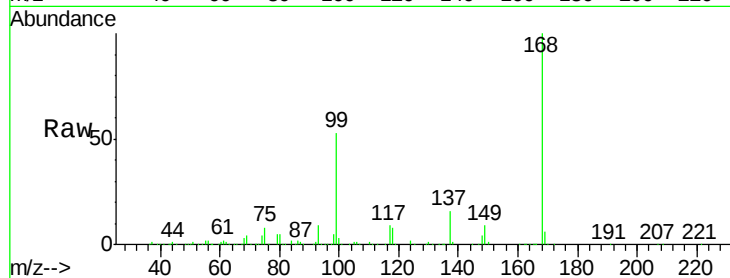
TP-1-D

Tot Ion:168 Resp: 430188

Ion Ratio Lower Upper

168 100

99 53.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

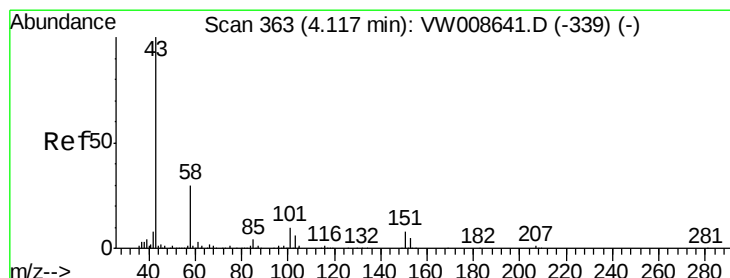
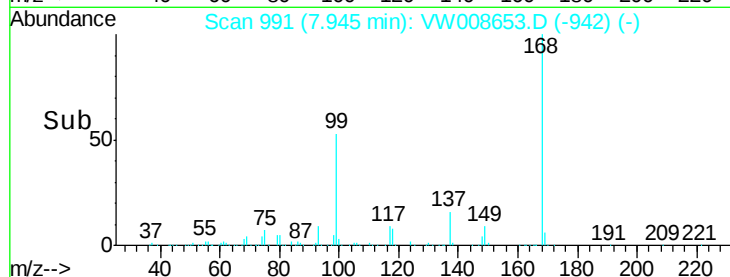
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 31.709 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008653.D

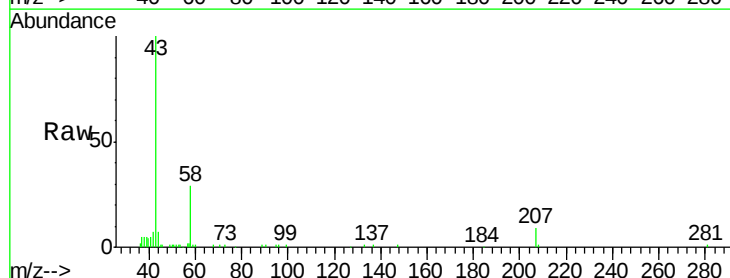
Acq: 13 Feb 2019 21:58

Tgt Ion: 43 Resp: 32271

Ion Ratio Lower Upper

43 100

58 29.6 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

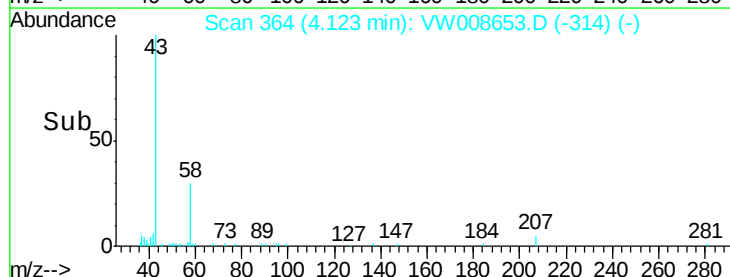
4.12

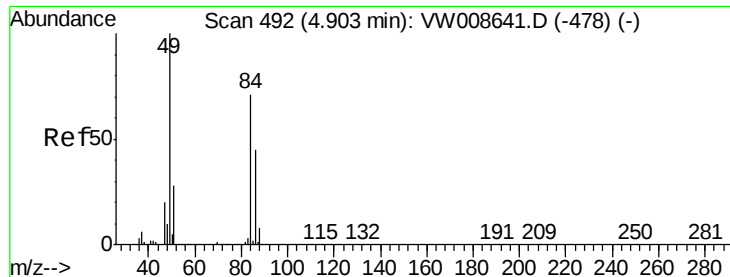
10000

5000

0

Time-->





#20

Methvlene Chloride

Concen: 2.093 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008653.D

Acq: 13 Feb 2019 21:58

Instrument :

MSVOA_W

ClientSampled :

TP-1-D

Tot Ion: 84 Resp: 40468

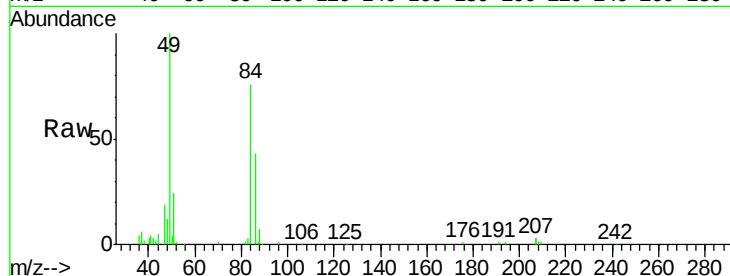
Ion Ratio Lower Upper

84 100

49 130.0 113.3 169.9

51 31.0 32.1 48.1#

86 56.0 50.9 76.3

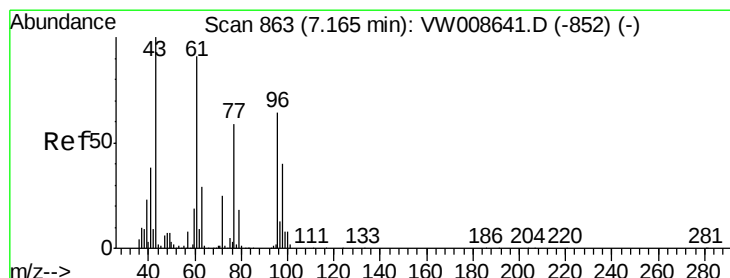
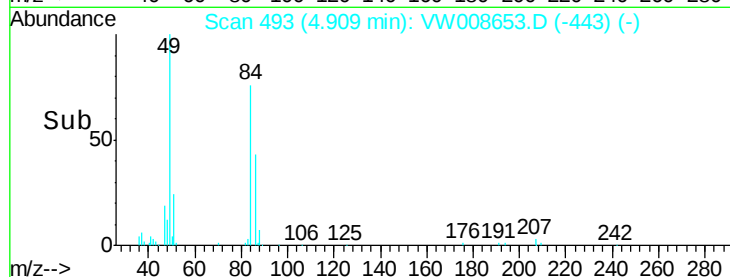
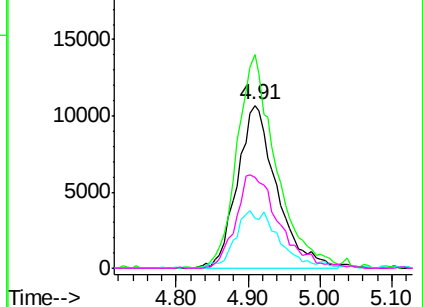


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 3.857 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008653.D

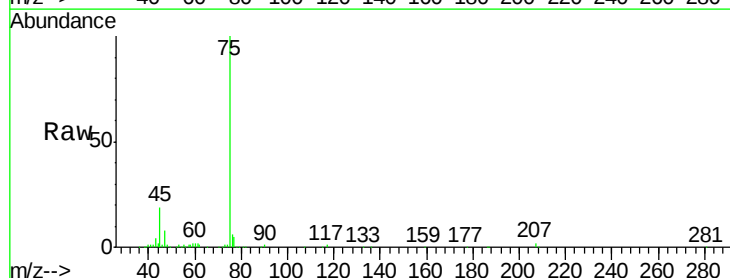
Acq: 13 Feb 2019 21:58

Tgt Ion: 43 Resp: 5543

Ion Ratio Lower Upper

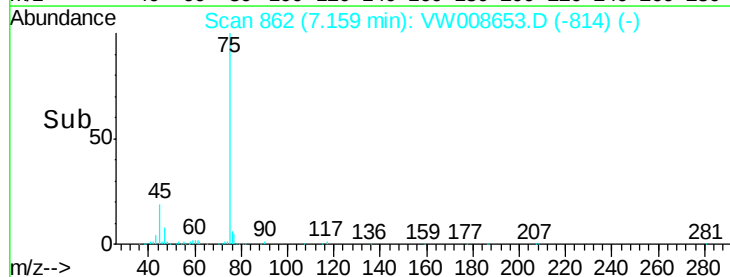
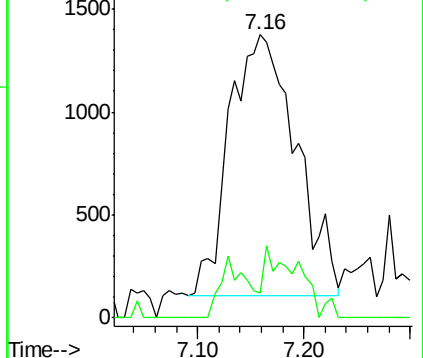
43 100

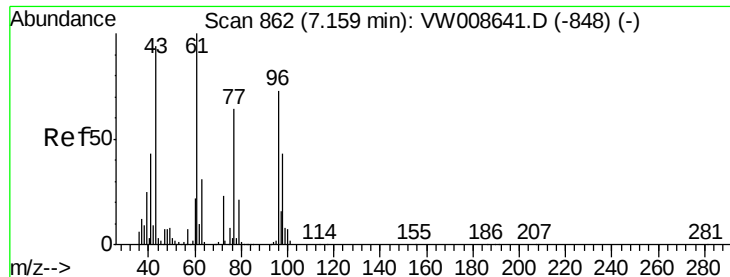
72 9.3 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.043 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW008653.D

Acq: 13 Feb 2019 21:58

Instrument :

MSVOA_W

ClientSampled :

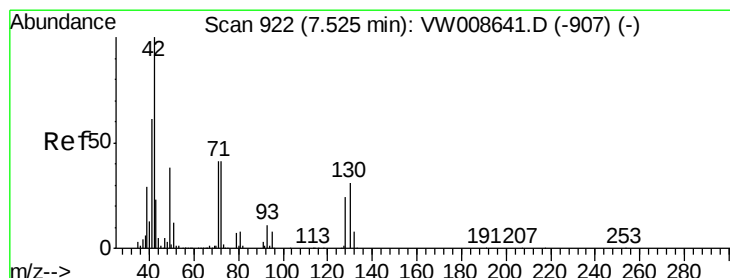
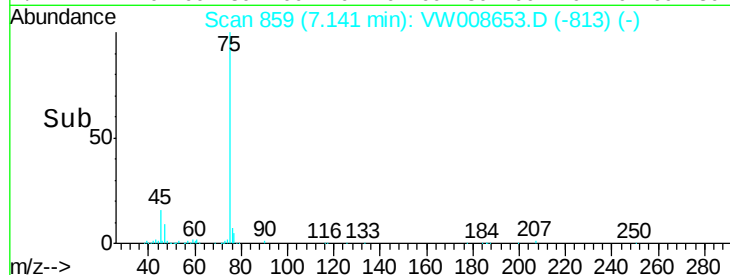
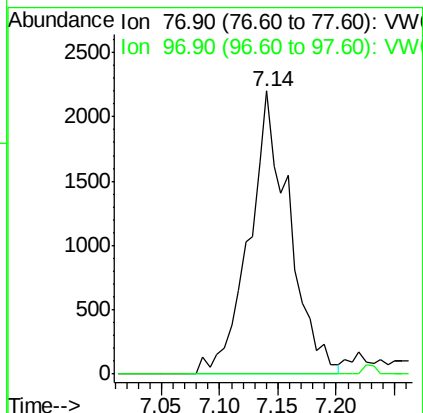
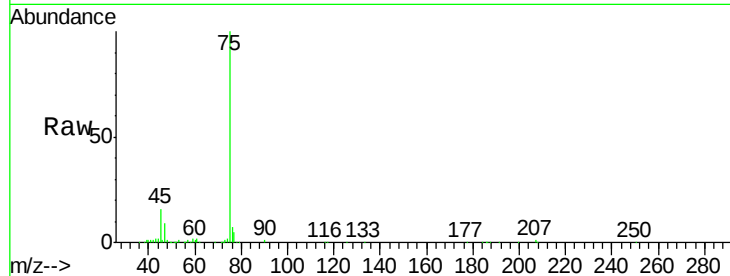
TP-1-D

Tot Ion: 77 Resp: 5282

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



#29

Tetrahydrofuran

Concen: 3.549 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008653.D

Acq: 13 Feb 2019 21:58

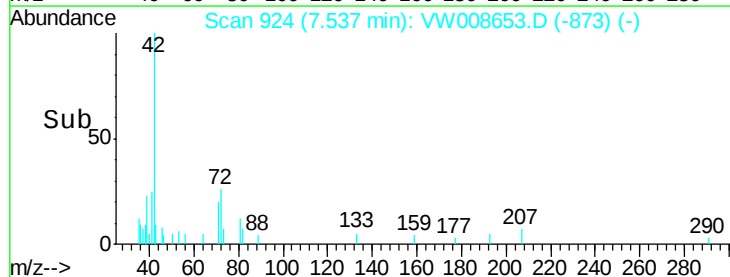
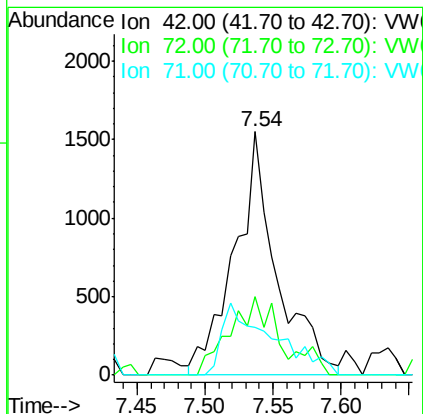
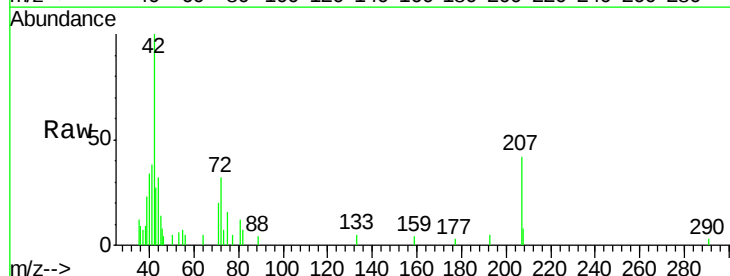
Tgt Ion: 42 Resp: 3362

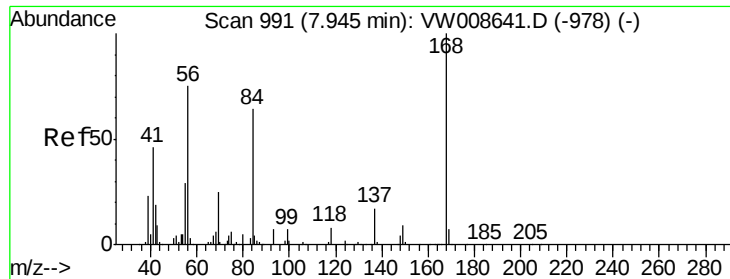
Ion Ratio Lower Upper

42 100

72 33.1 32.2 48.2

71 36.0 31.0 46.6

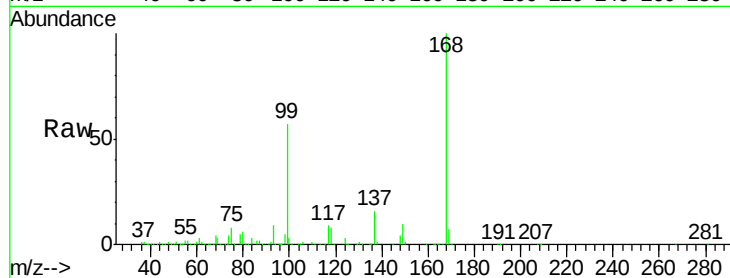




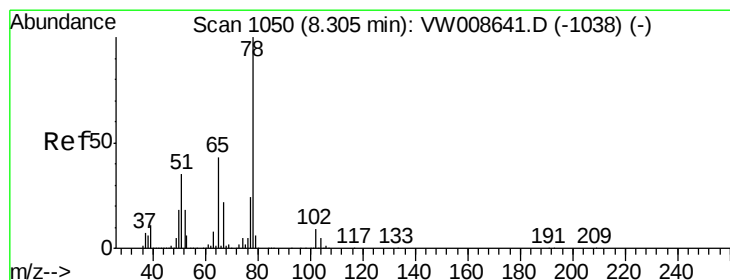
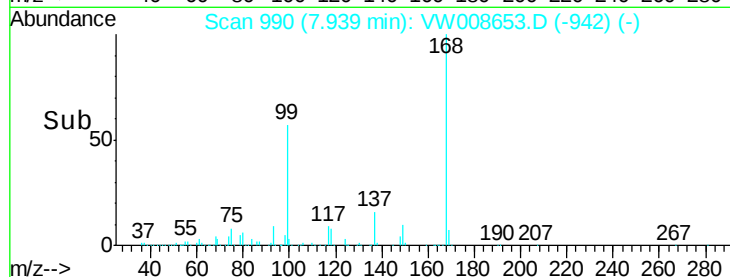
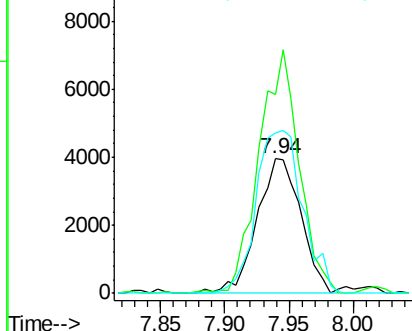
#31
Cvclohexane
Concen: 1.148 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008653.D
Acq: 13 Feb 2019 21:58

Instrument :
MSVOA_W
ClientSampled :
TP-1-D

Tot Ion: 56 Resp: 9391
Ion Ratio Lower Upper
56 100
69 147.4 26.4 39.6#
84 119.1 67.4 101.2#

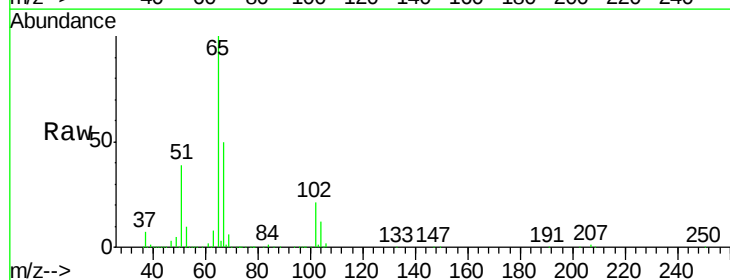


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

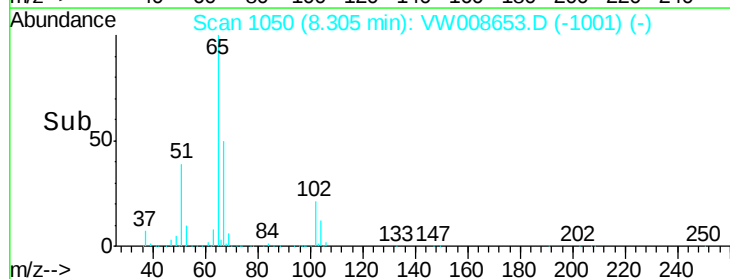
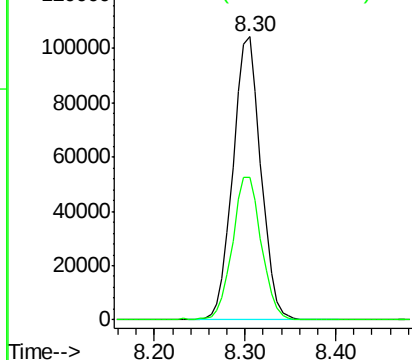


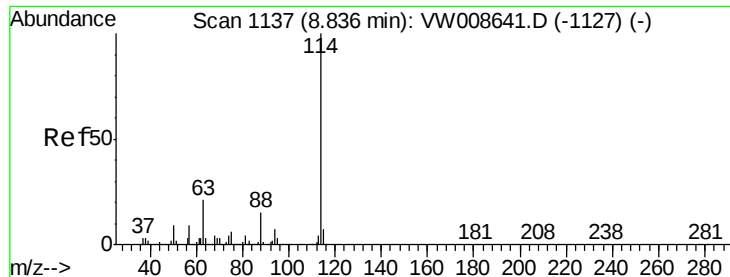
#33
1,2-Dichloroethane-d4
Concen: 49.895 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008653.D
Acq: 13 Feb 2019 21:58

Tgt Ion: 65 Resp: 223151
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

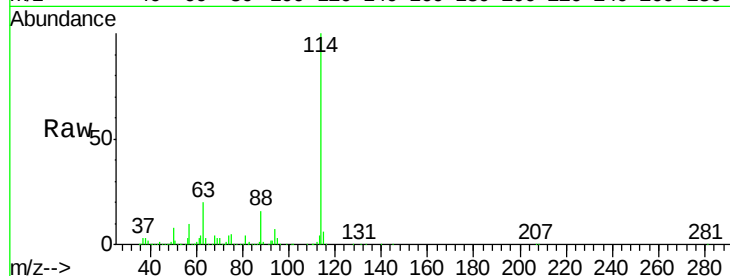




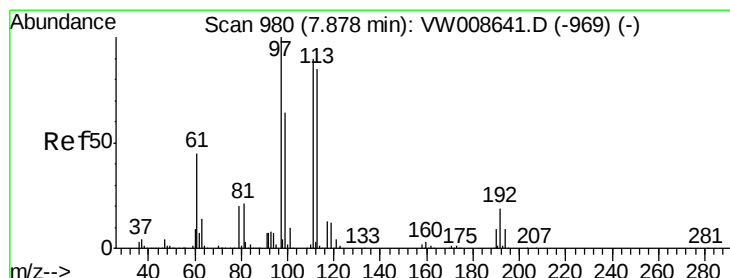
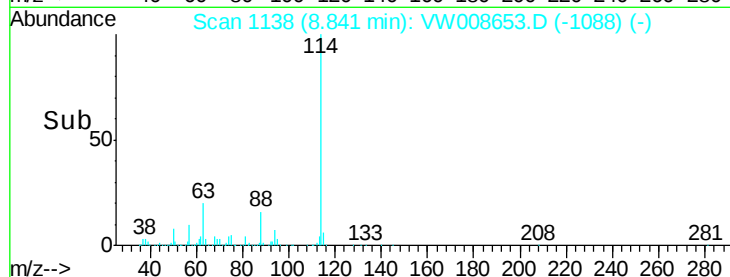
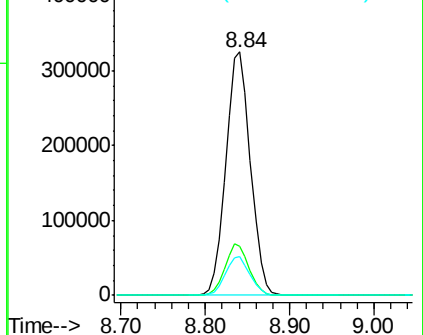
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008653.D
 Acq: 13 Feb 2019 21:58

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-D

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.2
88	15.8	0.0	29.6

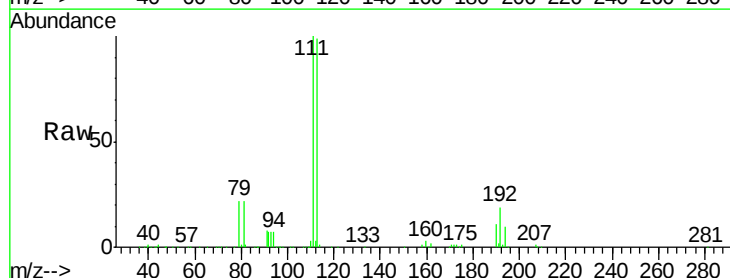


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

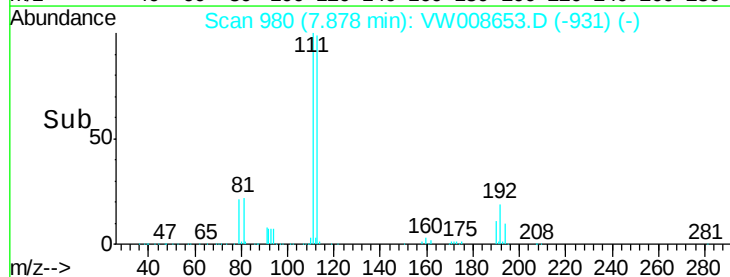
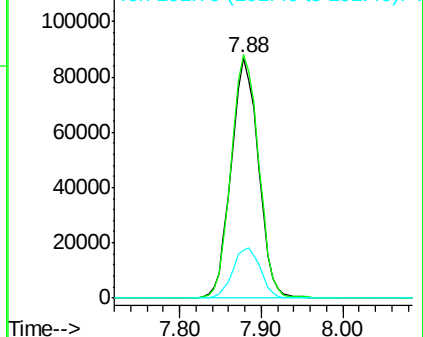


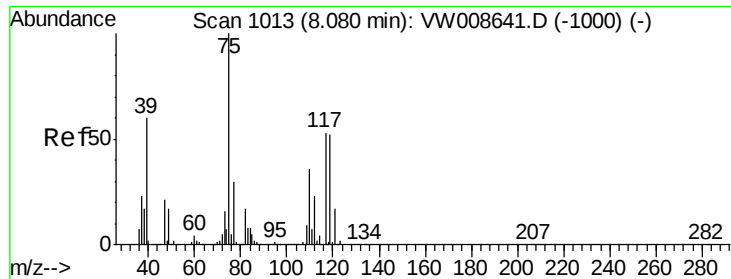
#35
 Dibromofluoromethane
 Concen: 49.849 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008653.D
 Acq: 13 Feb 2019 21:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	84.0	126.0
192	21.1	17.4	26.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

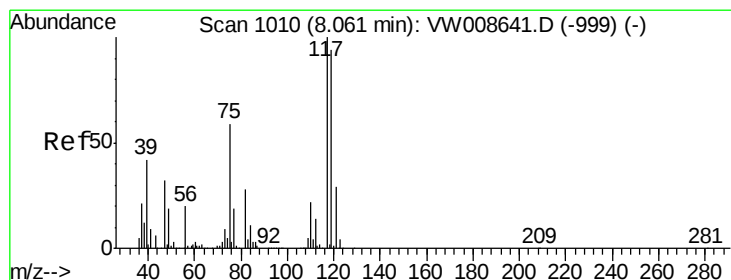
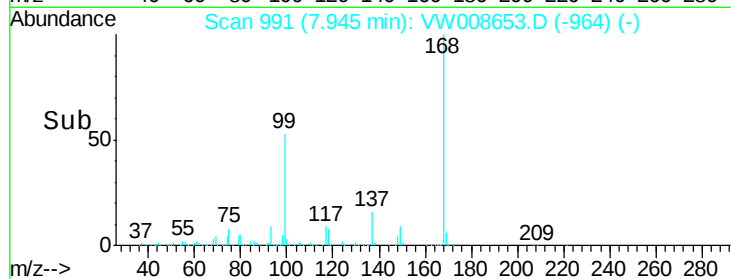
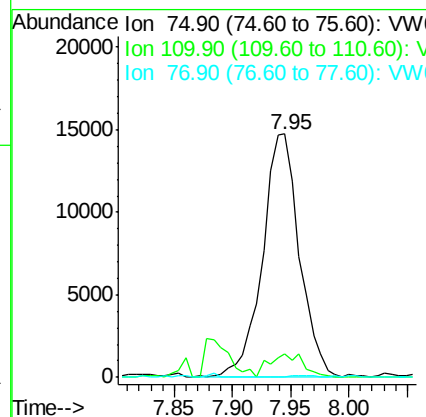
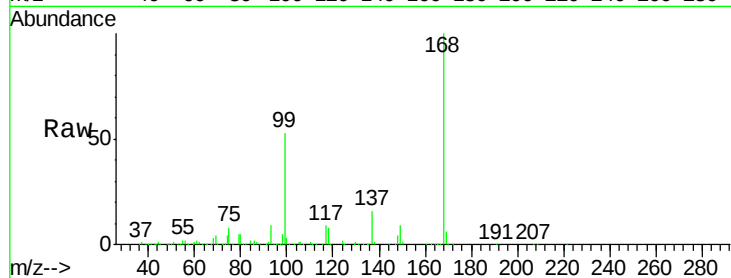




#36
 1,1-Dichloropropene
 Concen: 5.021 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008653.D
 Acq: 13 Feb 2019 21:58

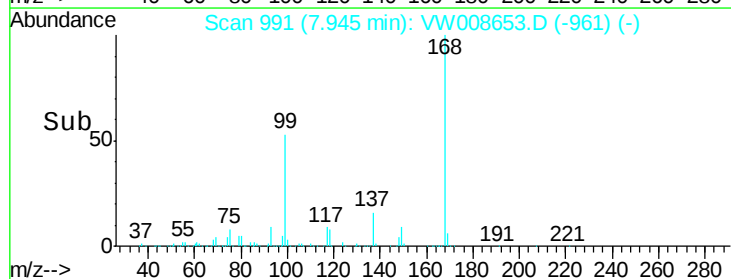
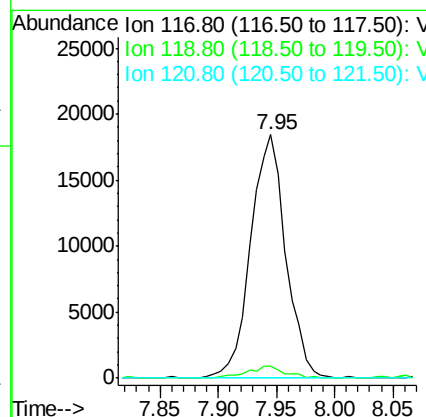
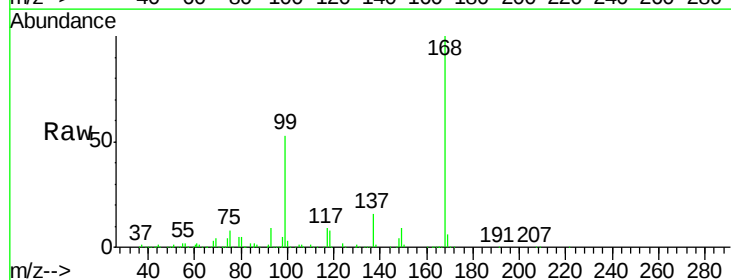
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-D

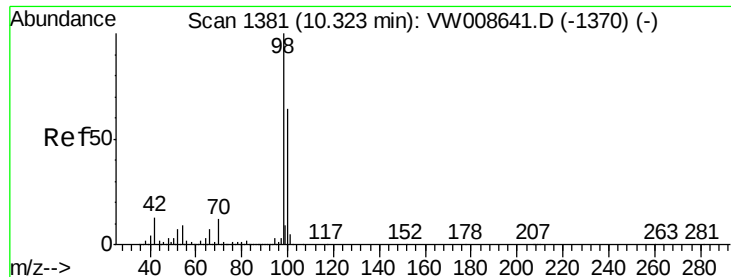
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.8	53.3#
77	0.5	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.012 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008653.D
 Acq: 13 Feb 2019 21:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.1	112.7#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 49.374 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008653.D

Acq: 13 Feb 2019 21:58

Instrument :

MSVOA_W

ClientSampleId :

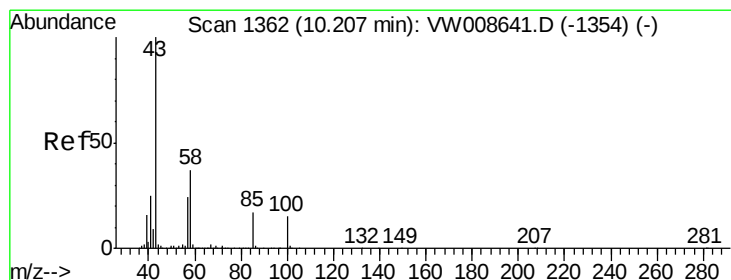
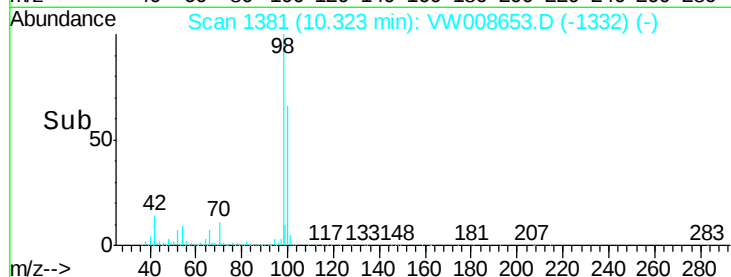
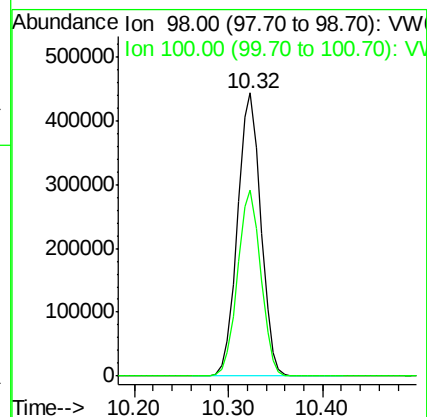
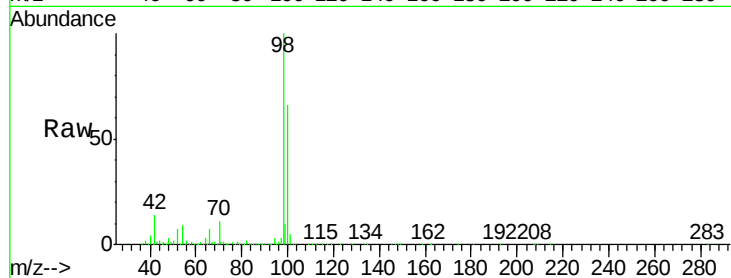
TP-1-D

Tot Ion: 98 Resp: 762901

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.127 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008653.D

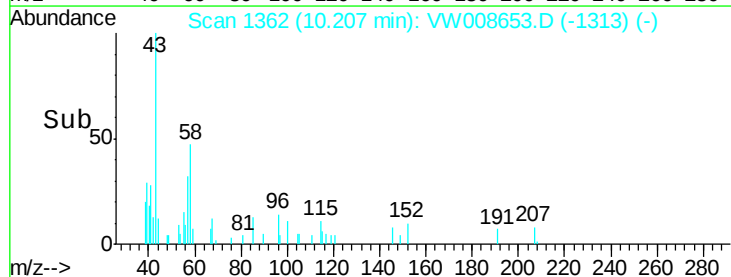
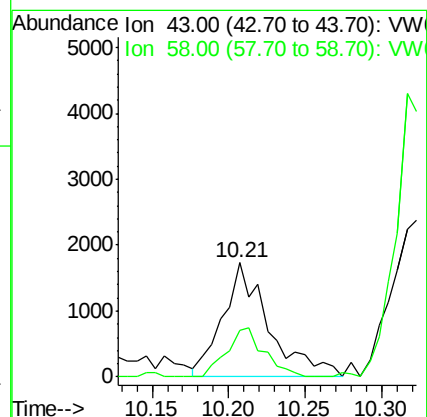
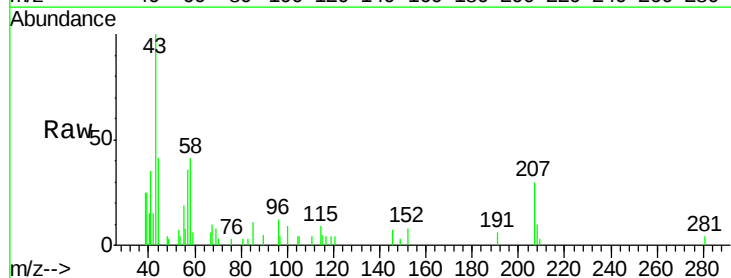
Acq: 13 Feb 2019 21:58

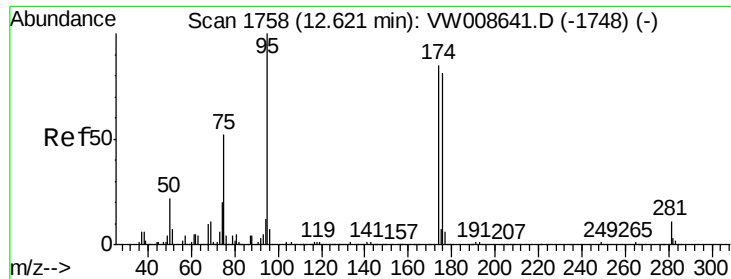
Tgt Ion: 43 Resp: 3613

Ion Ratio Lower Upper

43 100

58 35.1 29.0 43.6





#62

4-Bromofluorobenzene

Concen: 44.305 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008653.D

Acq: 13 Feb 2019 21:58

Instrument :

MSVOA_W

ClientSampleId :

TP-1-D

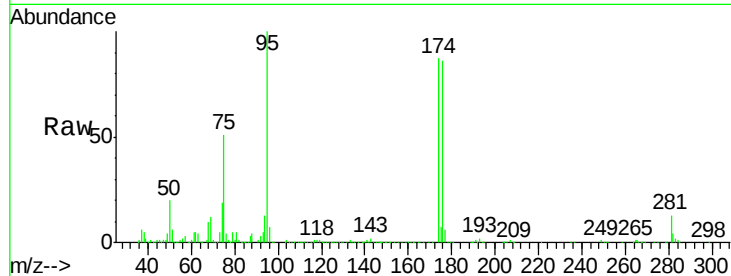
Tot Ion: 95 Resp: 257859

Ion Ratio Lower Upper

95 100

174 84.7 0.0 163.2

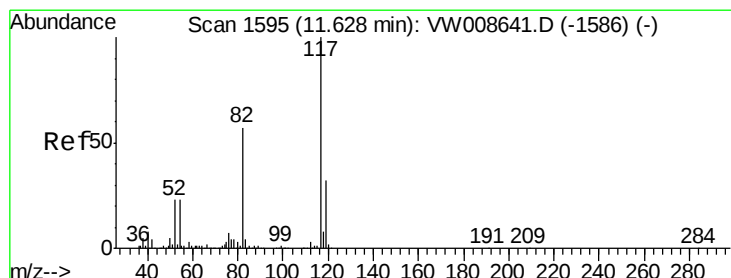
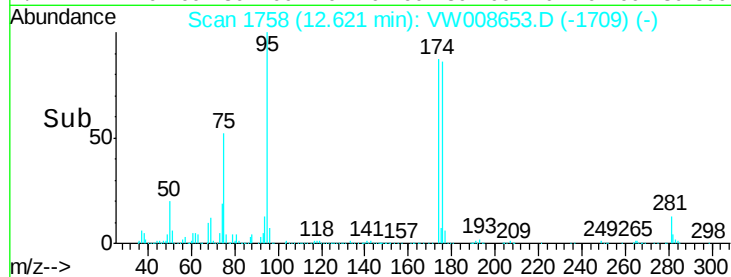
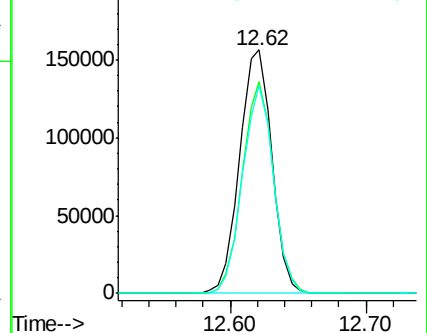
176 82.4 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW008653.D

Acq: 13 Feb 2019 21:58

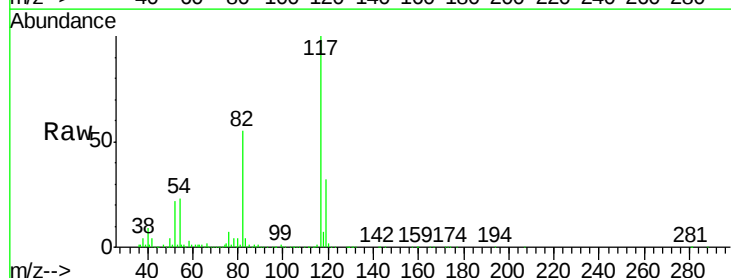
Tgt Ion: 117 Resp: 552612

Ion Ratio Lower Upper

117 100

82 55.3 45.6 68.4

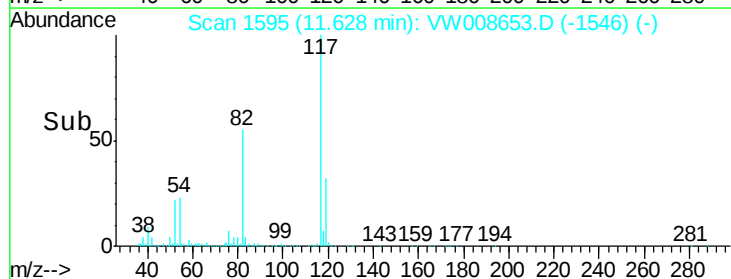
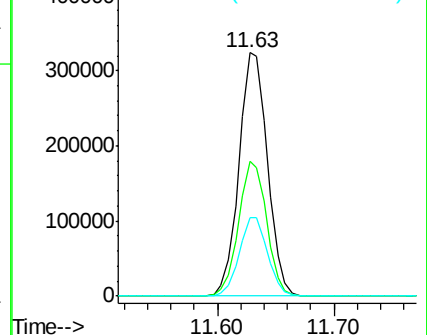
119 32.4 25.7 38.5

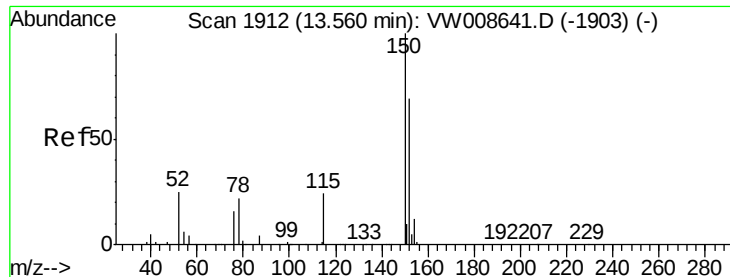


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



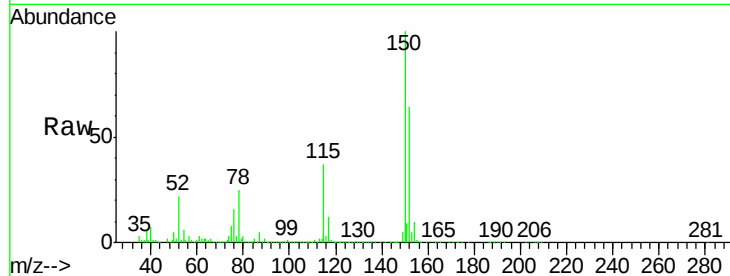


#72

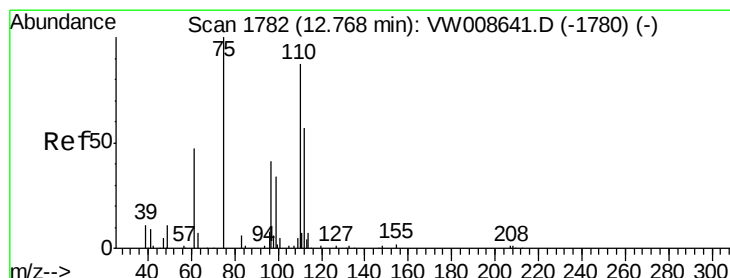
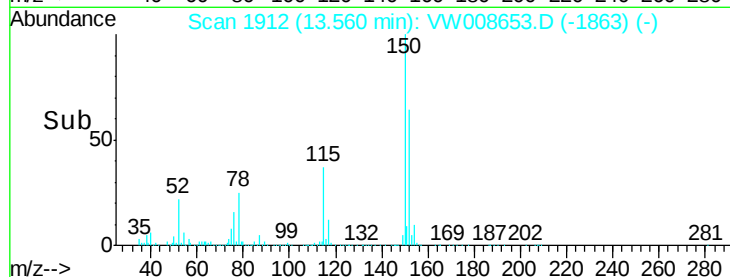
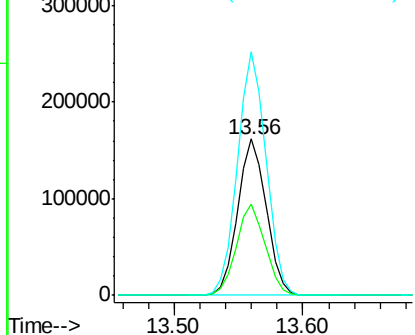
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008653.D
Acq: 13 Feb 2019 21:58

Instrument :
MSVOA_W
ClientSampleId :
TP-1-D

Tot Ion:152 Resp: 248442
Ion Ratio Lower Upper
152 100
115 58.4 29.3 87.8
150 156.5 0.0 352.8



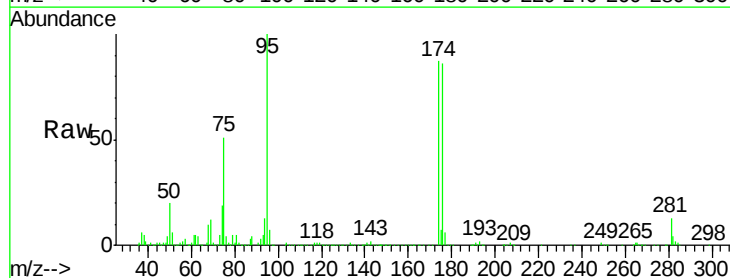
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



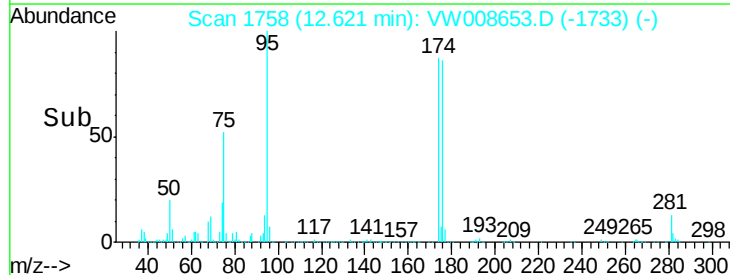
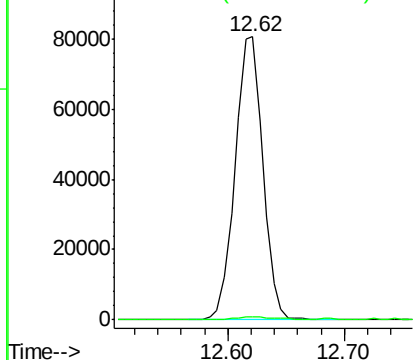
#76

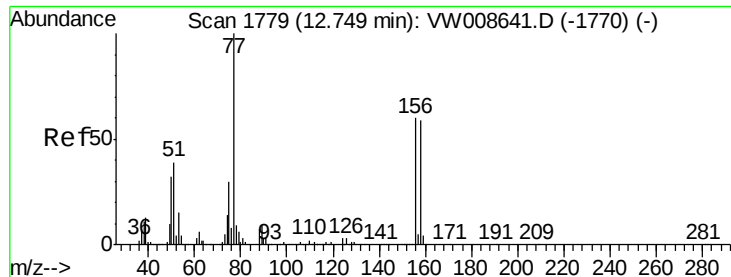
1,2,3-Trichloropropane
Concen: 54.569 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008653.D
Acq: 13 Feb 2019 21:58

Tgt Ion: 75 Resp: 133870
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.031 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW008653.D

Acq: 13 Feb 2019 21:58

Instrument :

MSVOA_W

ClientSampled :

TP-1-D

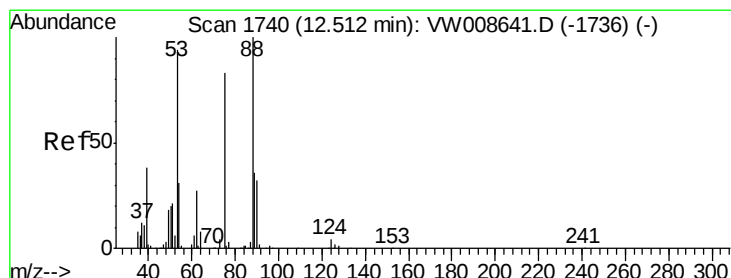
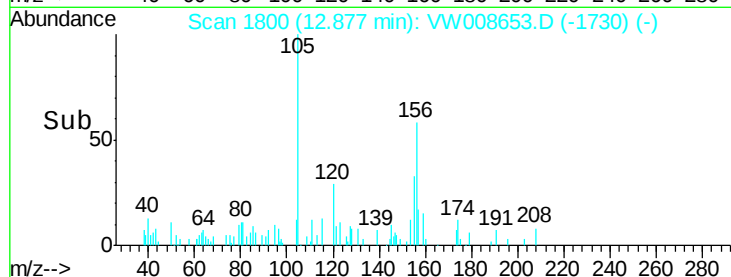
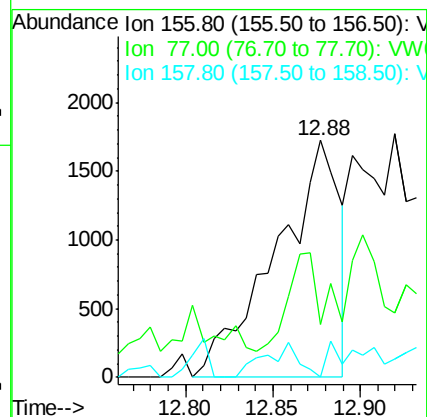
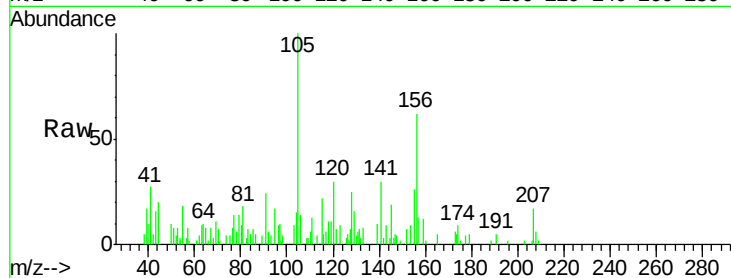
Tot Ion:156 Resp: 4384

Ion Ratio Lower Upper

156 100

77 18.4 93.2 279.5#

158 3.1 48.5 145.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.770 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008653.D

Acq: 13 Feb 2019 21:58

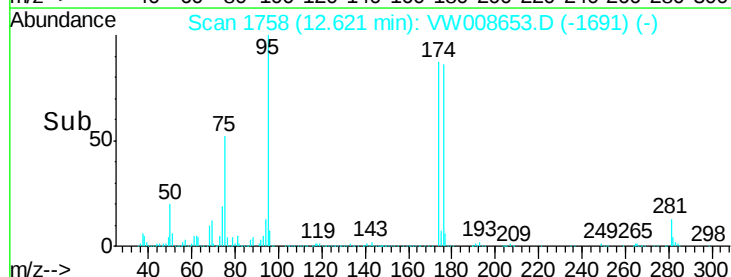
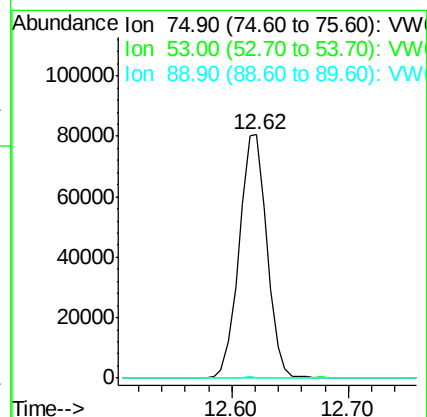
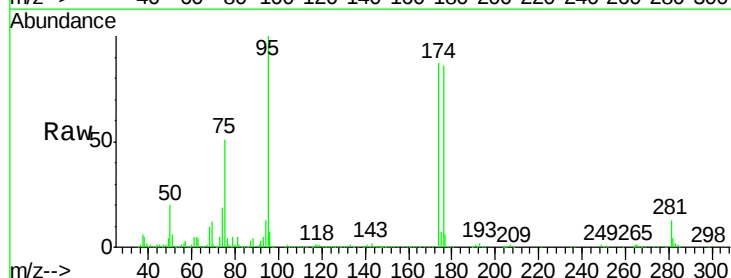
Tgt Ion: 75 Resp: 133870

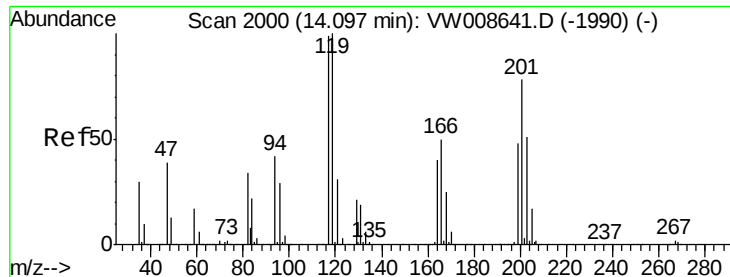
Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.2 37.0 55.4#





#90

Hexachloroethane

Concen: 1.416 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008653.D

Acq: 13 Feb 2019 21:58

Instrument :

MSVOA_W

ClientSampled :

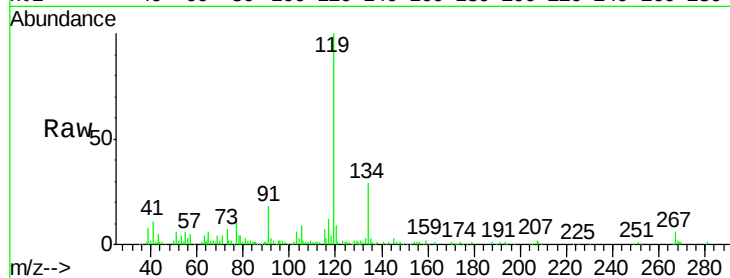
TP-1-D

Tot Ion:117 Resp: 4300

Ion Ratio Lower Upper

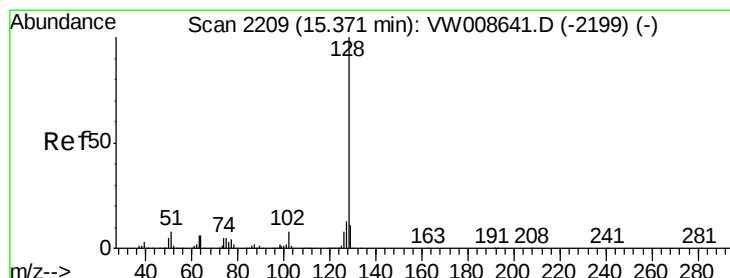
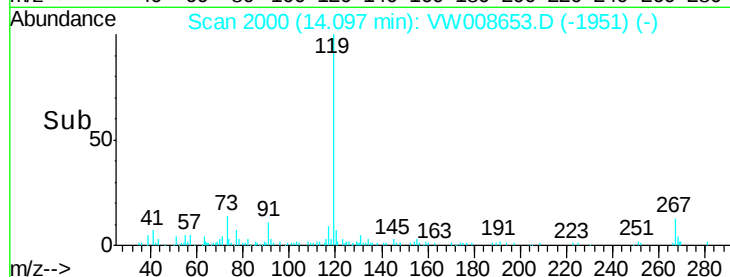
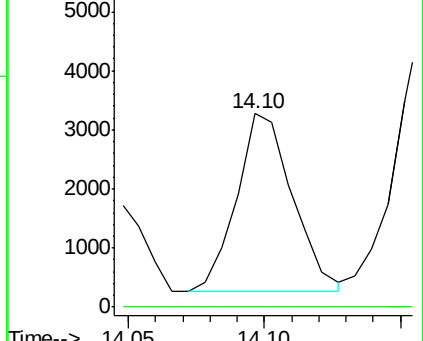
117 100

201 0.0 38.7 116.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.120 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008653.D

Acq: 13 Feb 2019 21:58

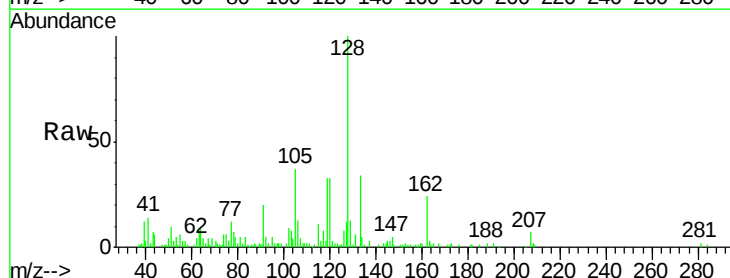
Tgt Ion:128 Resp: 20658

Ion Ratio Lower Upper

128 100

127 10.9 10.9 16.3#

129 6.8 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

