

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058656.D
 Acq On : 9 Oct 2019 21:22
 Operator : JC/SP
 Sample : K5184-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Quant Time: Oct 10 04:42:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	428887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	679051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	590507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	227832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	303383	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	7.57	113	221990	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
50) Toluene-d8	10.09	98	855951	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.41	95	277593	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	

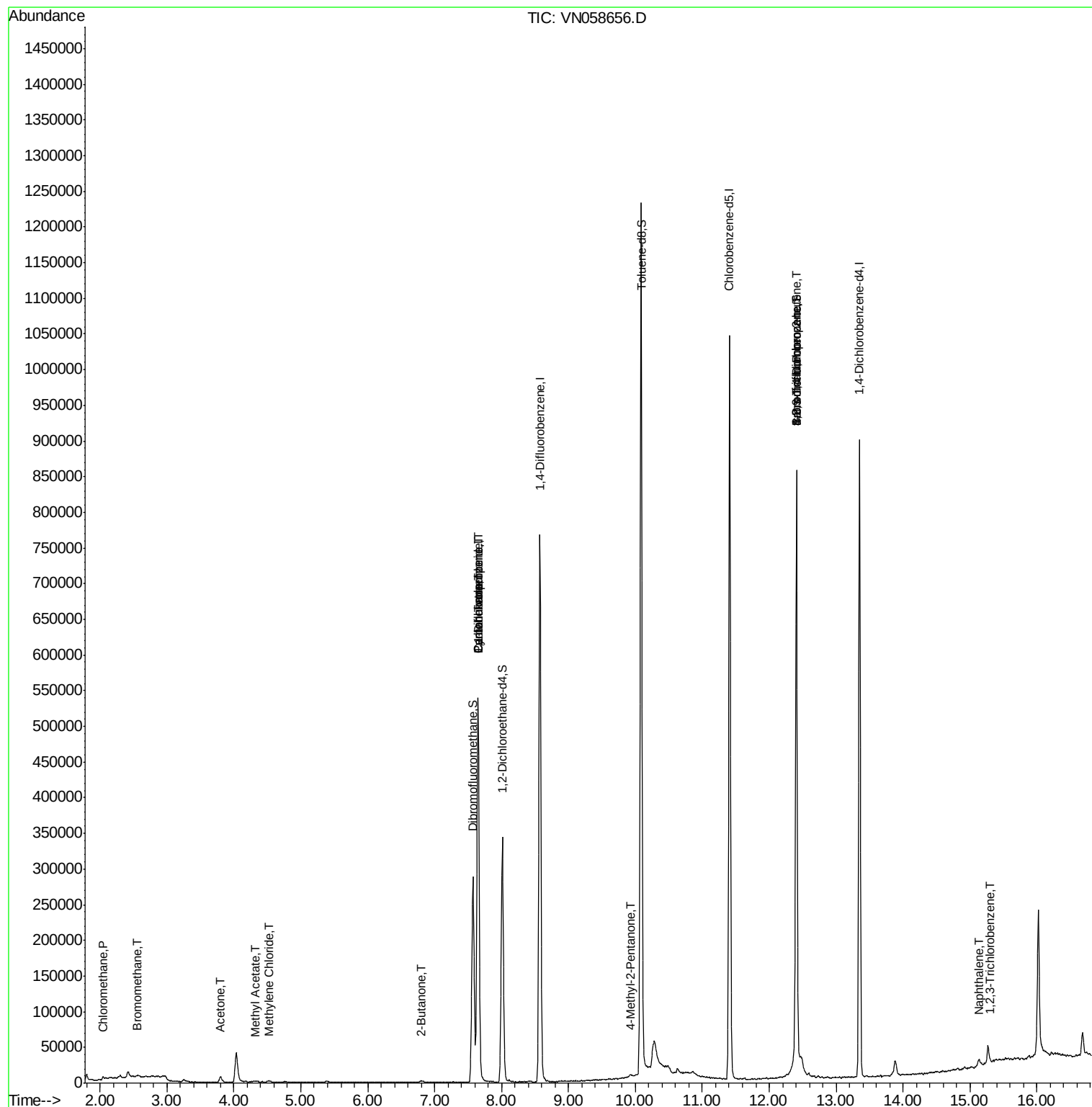
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2922	0.565	ug/l	94
5) Bromomethane	2.55	94	848	0.315	ug/l #	70
16) Acetone	3.80	43	12417	5.812	ug/l	99
18) Methyl Acetate	4.31	43	2076	0.386	ug/l #	53
20) Methylene Chloride	4.52	84	1398	0.284	ug/l #	86
25) 2-Butanone	6.81	43	594	0.202	ug/l #	50
31) Cyclohexane	7.65	56	10251	1.182	ug/l #	26
36) 1,1-Dichloropropene	7.65	75	35533	5.472	ug/l #	51
38) Carbon Tetrachloride	7.65	117	42394	7.233	ug/l #	16
51) 4-Methyl-2-Pentanone	9.92	43	1375	0.259	ug/l #	37
60) Dibromochloromethane	10.62	129	921	Below Cal	#	11
71) Bromoform	12.41	173	1150	1.110	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	148405	35.663	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	148405	108.312	ug/l #	7
95) Naphthalene	15.13	128	3710	0.304	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.30	180	869	0.203	ug/l	78

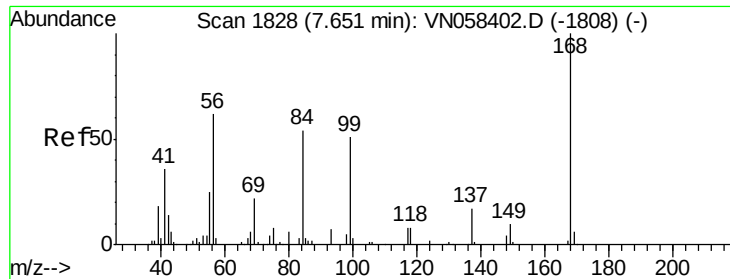
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

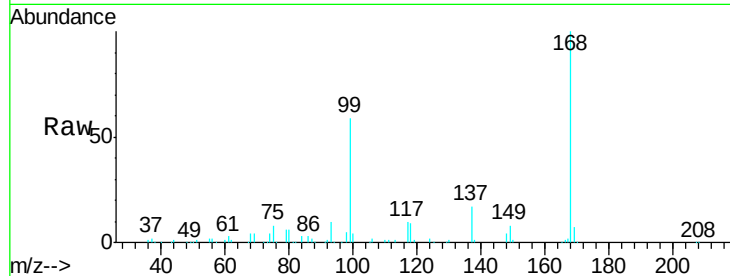
MW-5

Tgt Ion:168 Resp: 428887

Ion Ratio Lower Upper

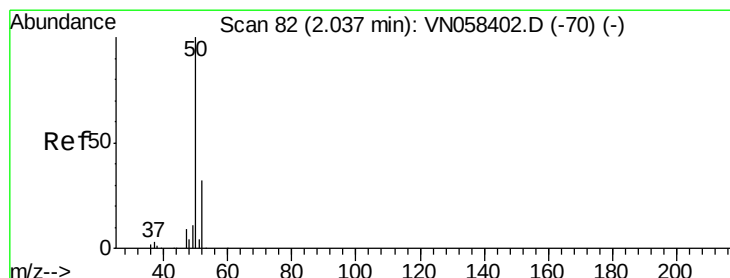
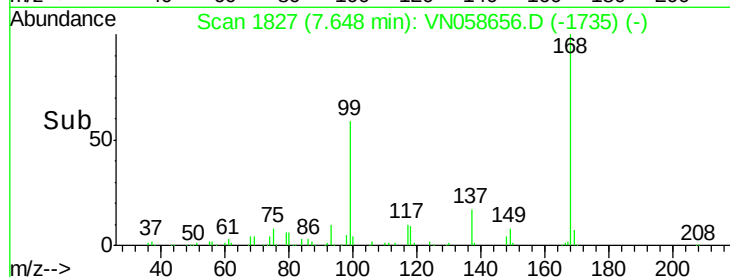
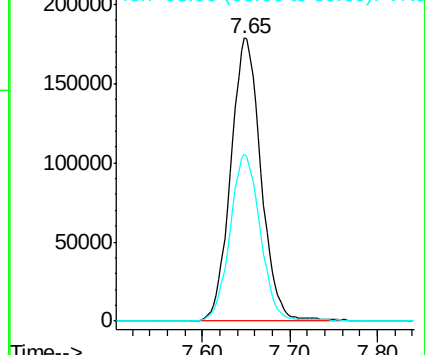
168 100

99 59.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.565 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058656.D

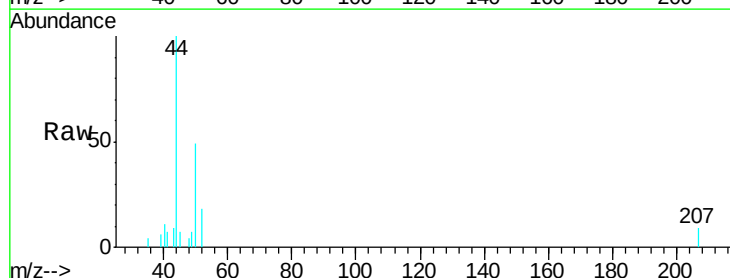
Acq: 9 Oct 2019 21:22

Tgt Ion: 50 Resp: 2922

Ion Ratio Lower Upper

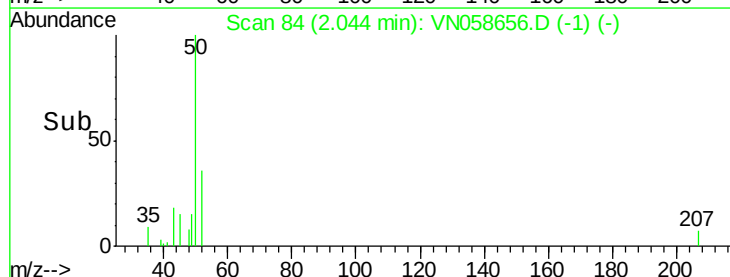
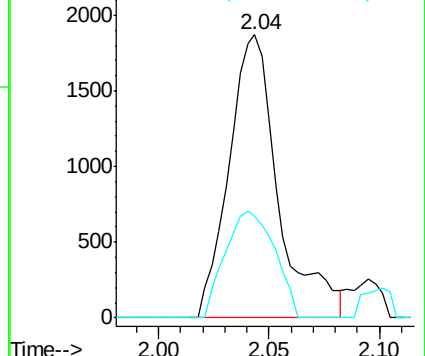
50 100

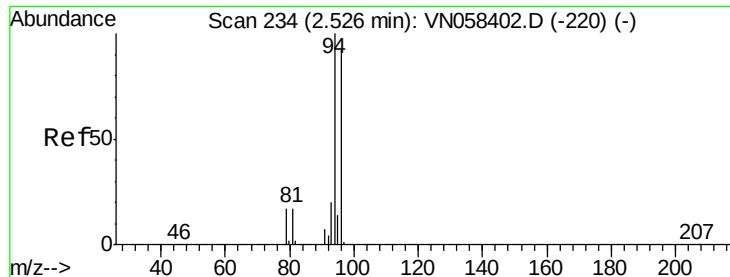
52 35.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: 0.315 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.03 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

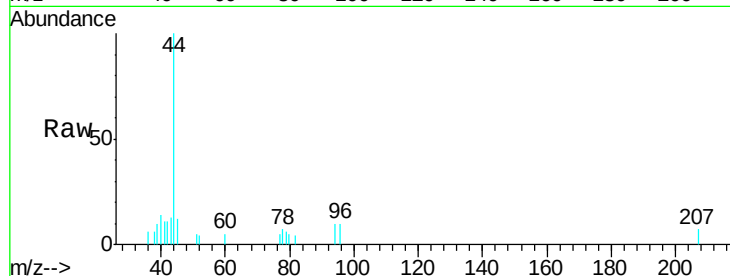
MW-5

Tgt Ion: 94 Resp: 848

Ion Ratio Lower Upper

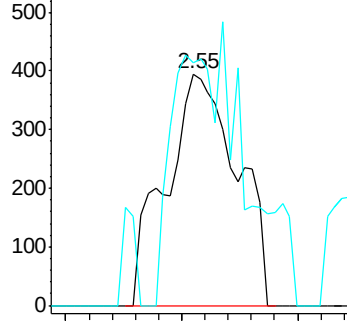
94 100

96 65.1 74.8 112.2#

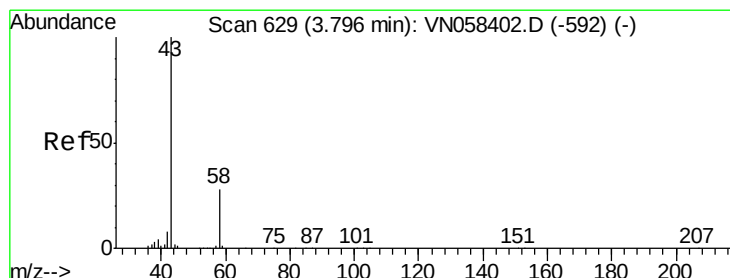
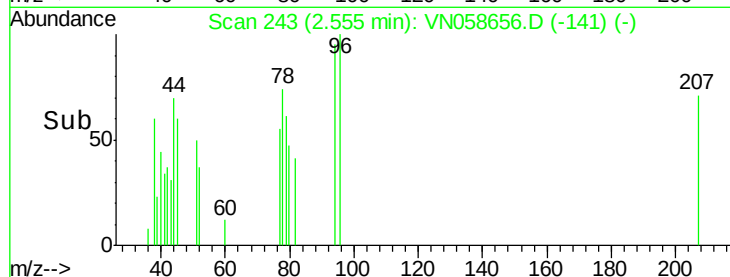


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time--> 2.50 2.55 2.60



#16

Acetone

Concen: 5.812 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058656.D

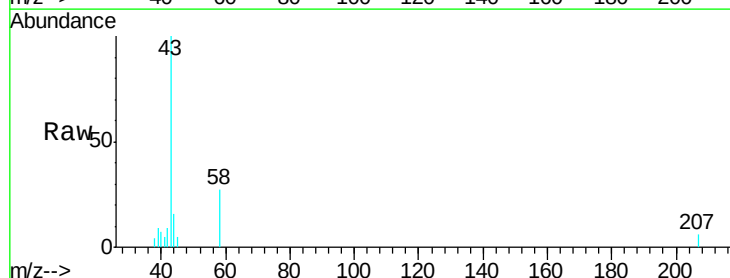
Acq: 9 Oct 2019 21:22

Tgt Ion: 43 Resp: 12417

Ion Ratio Lower Upper

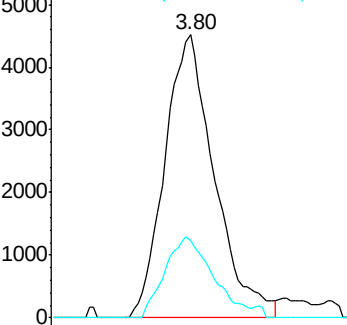
43 100

58 27.4 22.4 33.6

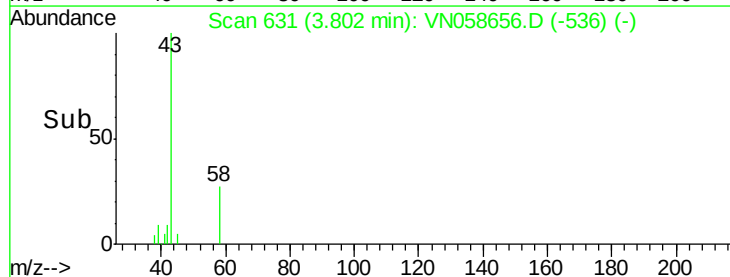


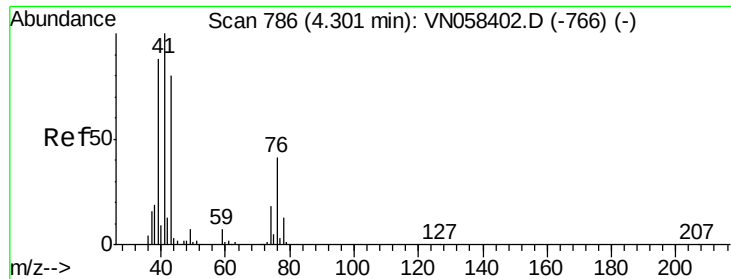
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.70 3.75 3.80 3.85 3.90

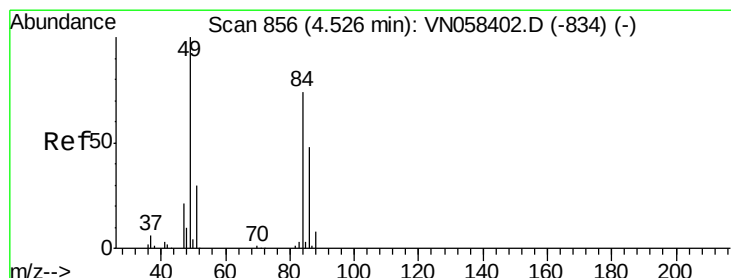
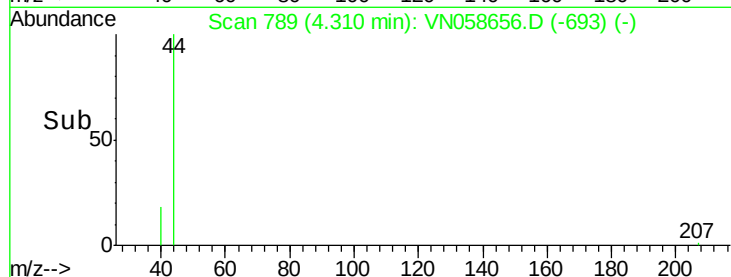
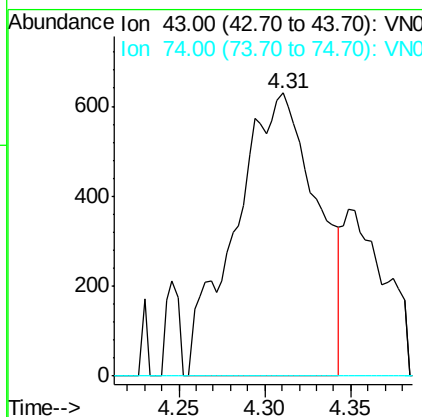
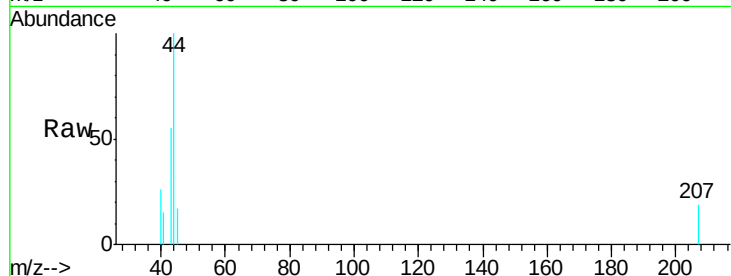




#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058656.D
Acq: 9 Oct 2019 21:22

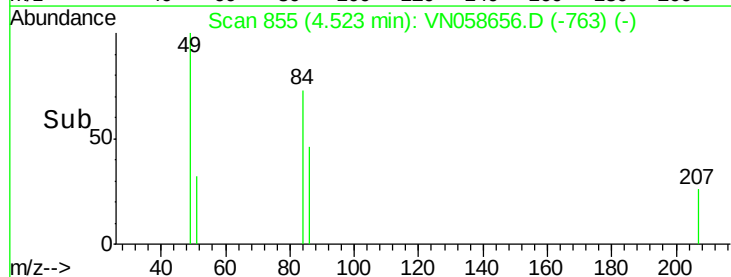
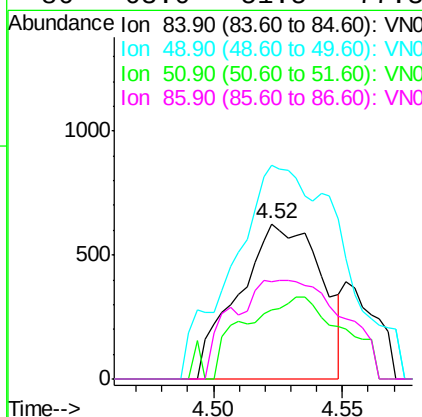
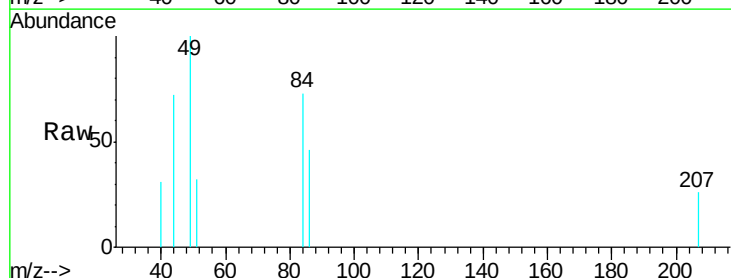
Instrument :
MSVOA_N
ClientSampled :
MW-5

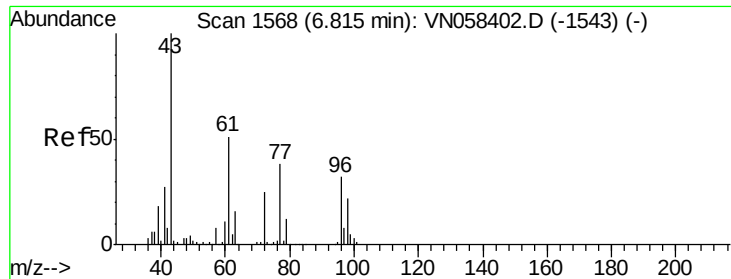
Tgt Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058656.D
Acq: 9 Oct 2019 21:22

Tgt Ion: 84 Resp: 1398
Ion Ratio Lower Upper
84 100
49 107.5 107.9 161.9#
51 44.3 32.8 49.2
86 63.0 51.5 77.3





#25

2-Butanone

Concen: 0.202 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

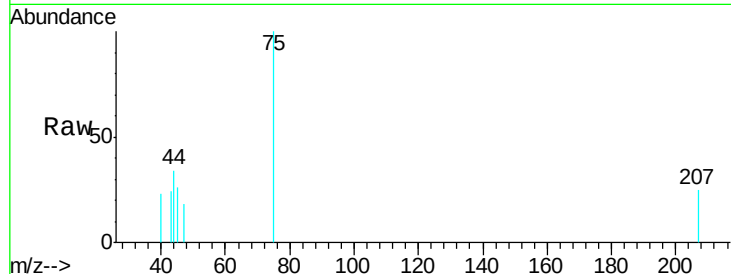
MW-5

Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

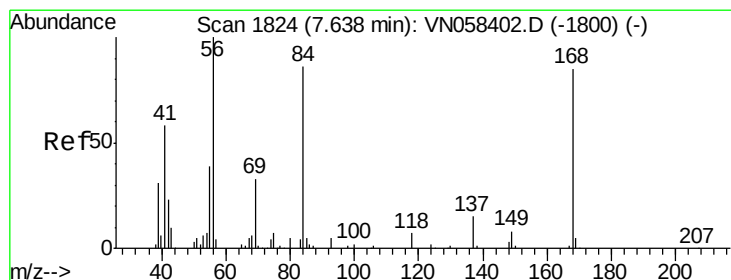
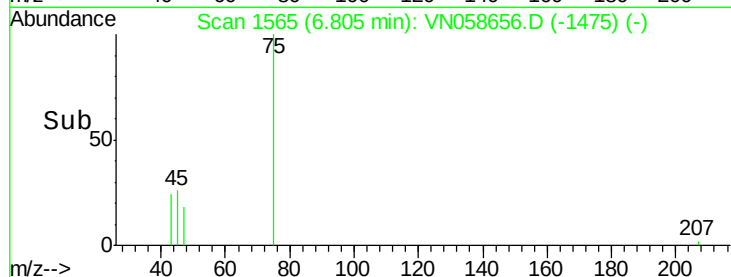
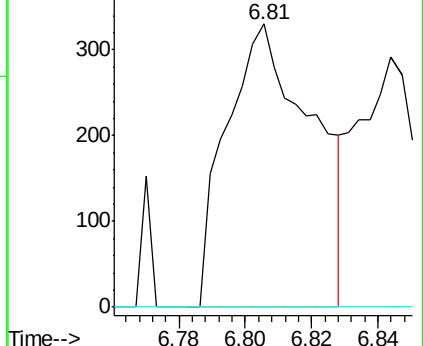
43 100

72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.182 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

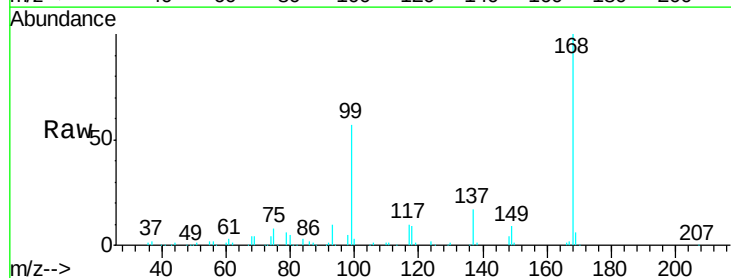
Tgt Ion: 56 Resp: 10251

Ion Ratio Lower Upper

56 100

69 153.4 26.2 39.4#

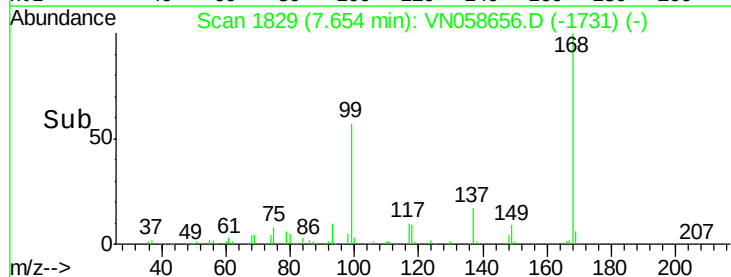
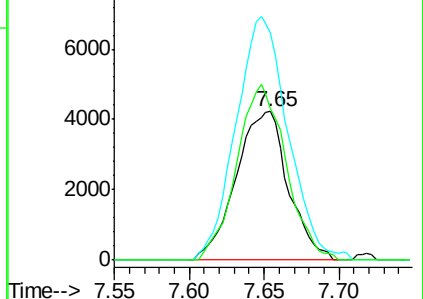
84 102.0 67.6 101.4#

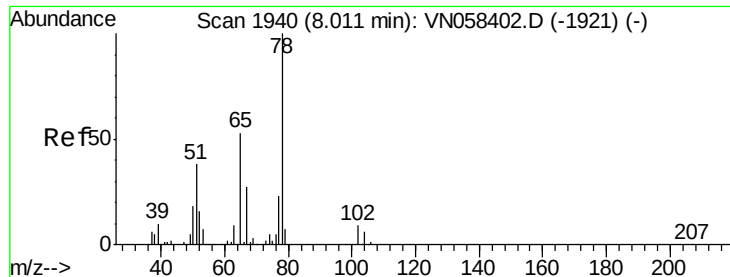


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

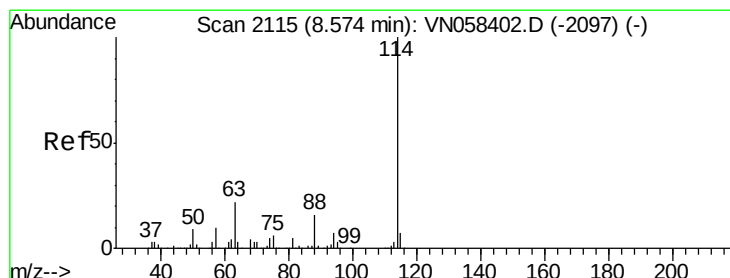
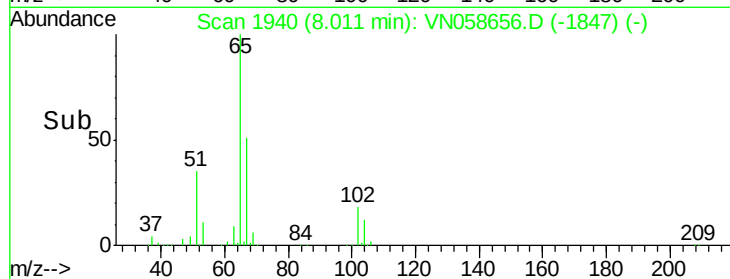
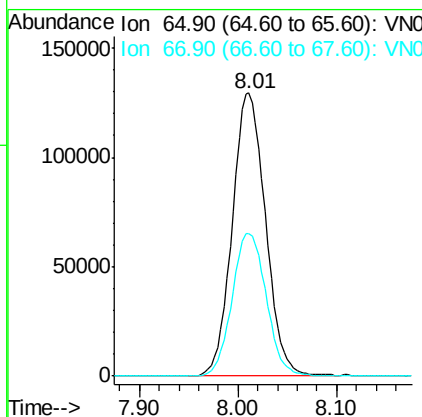
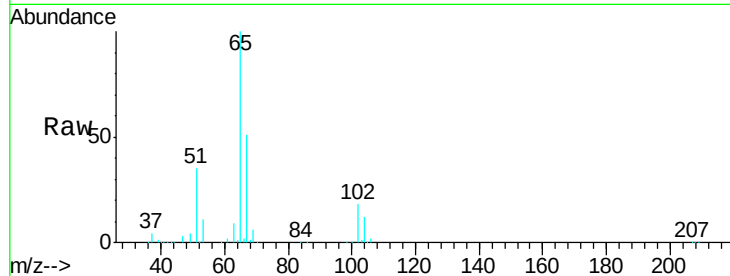




#33
 1,2-Dichloroethane-d4
 Concen: 48.406 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058656.D
 Acq: 9 Oct 2019 21:22

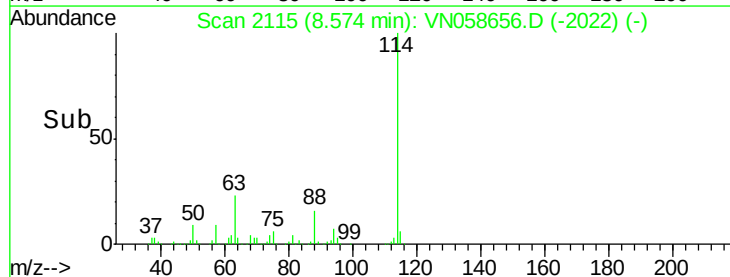
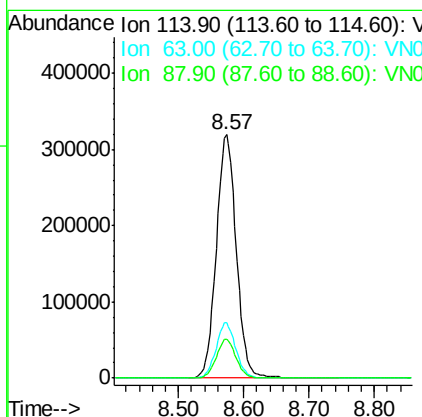
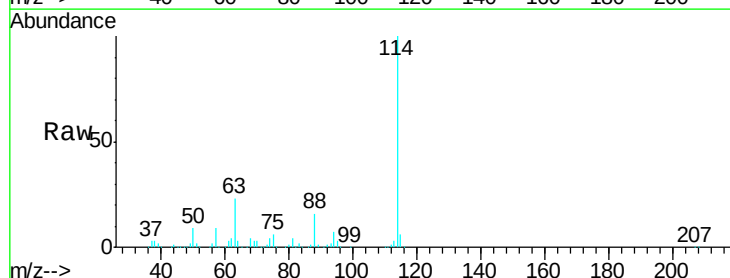
Instrument :
 MSVOA_N
 ClientSampled :
 MW-5

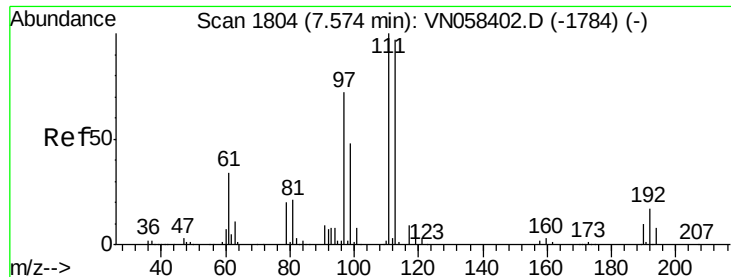
Tgt Ion: 65 Resp: 303383
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058656.D
 Acq: 9 Oct 2019 21:22

Tgt Ion: 114 Resp: 679051
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 16.2 0.0 32.2

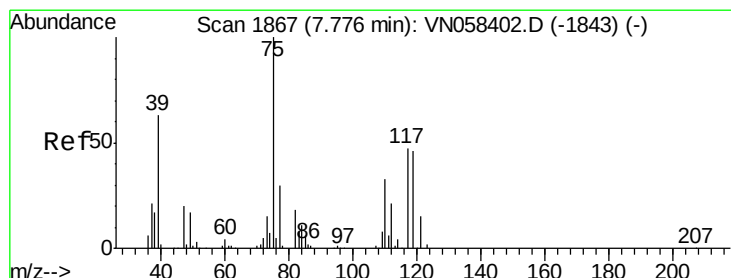
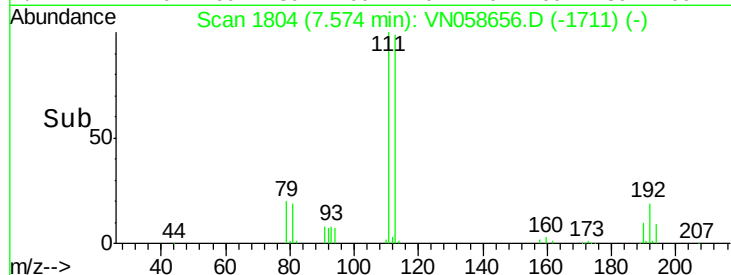
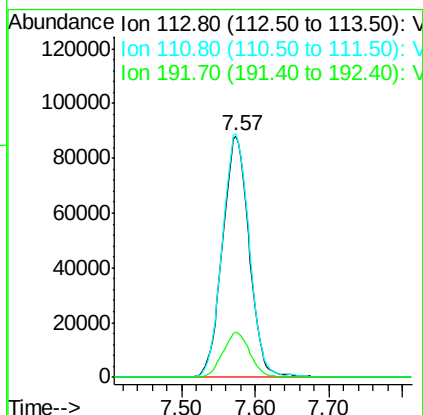
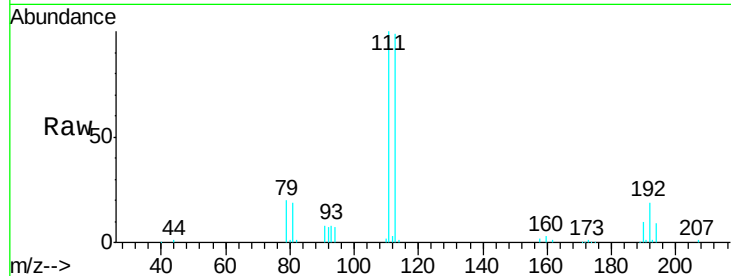




#35
 Dibromofluoromethane
 Concen: 53.339 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058656.D
 Acq: 9 Oct 2019 21:22

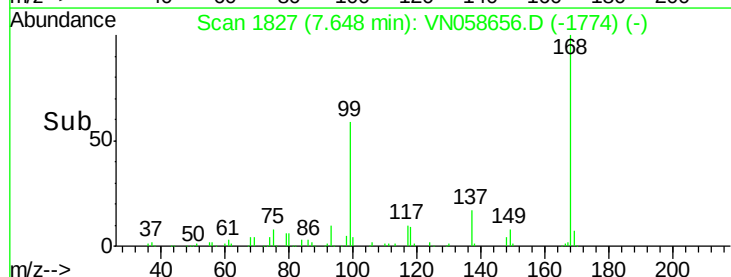
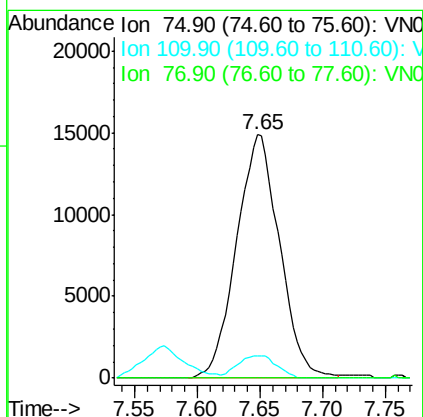
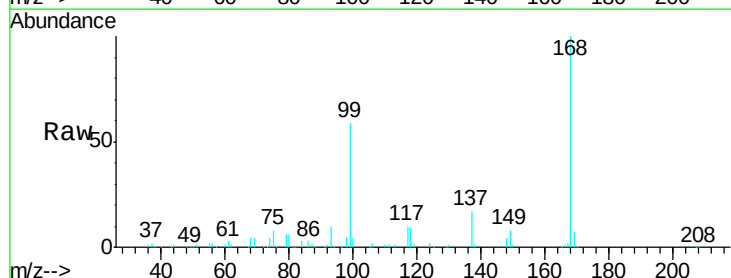
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

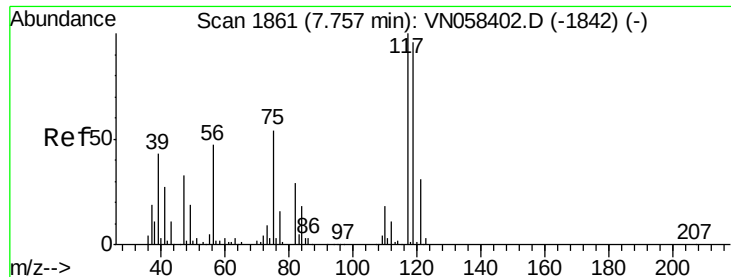
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.4	125.2
192	18.8	14.9	22.3



#36
 1,1-Dichloropropene
 Concen: 5.472 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058656.D
 Acq: 9 Oct 2019 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.4	49.2#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 7.233 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

MW-5

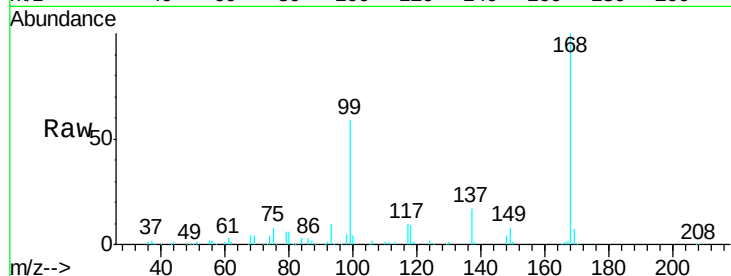
Tgt Ion:117 Resp: 42394

Ion Ratio Lower Upper

117 100

119 5.4 76.6 115.0#

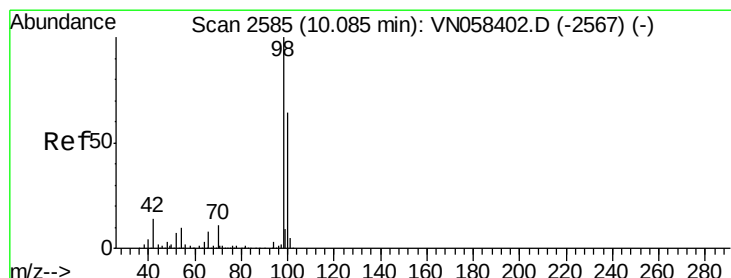
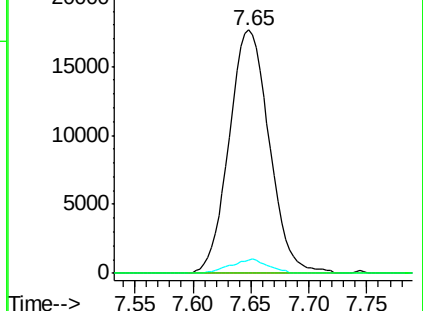
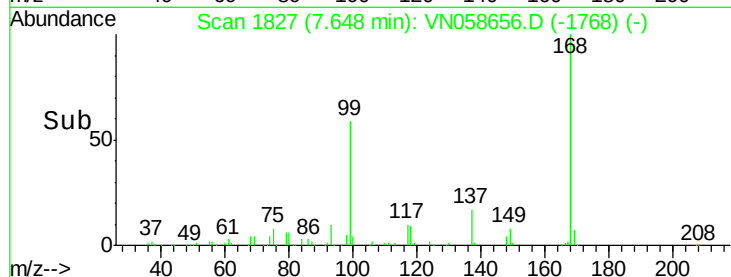
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.501 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058656.D

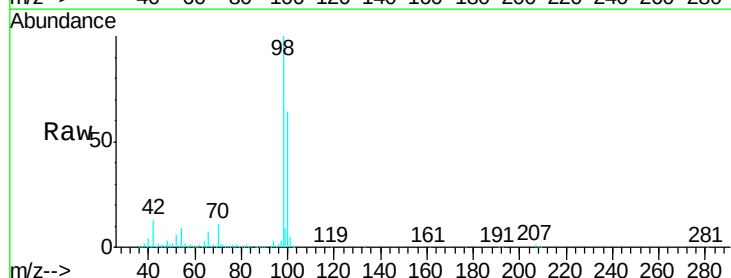
Acq: 9 Oct 2019 21:22

Tgt Ion: 98 Resp: 855951

Ion Ratio Lower Upper

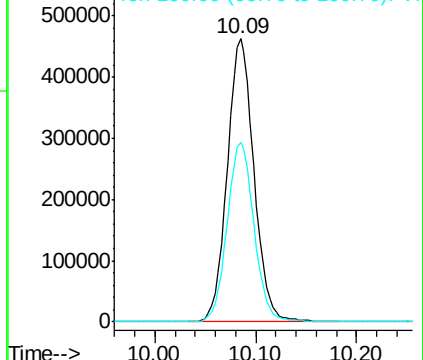
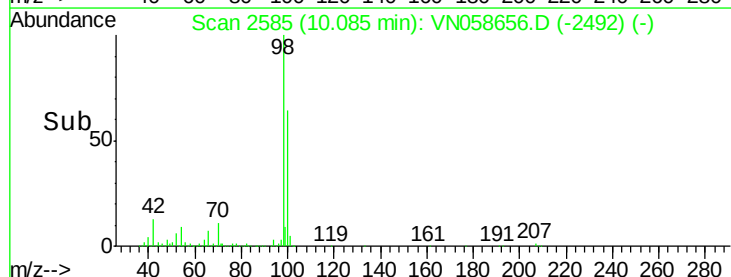
98 100

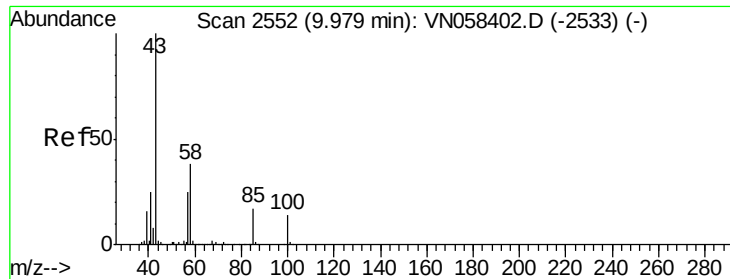
100 63.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

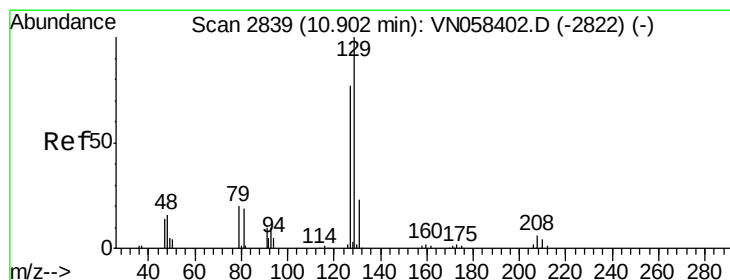
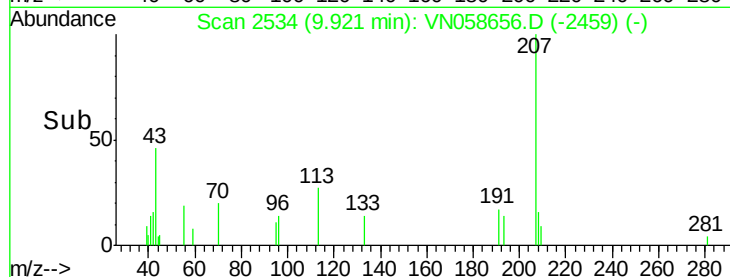
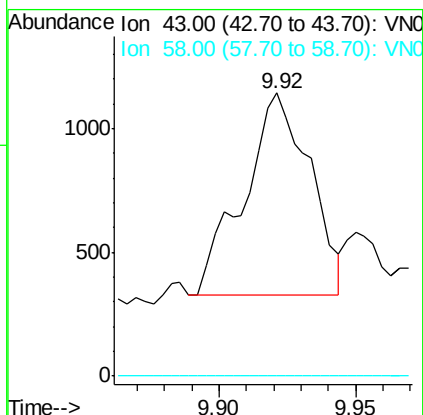
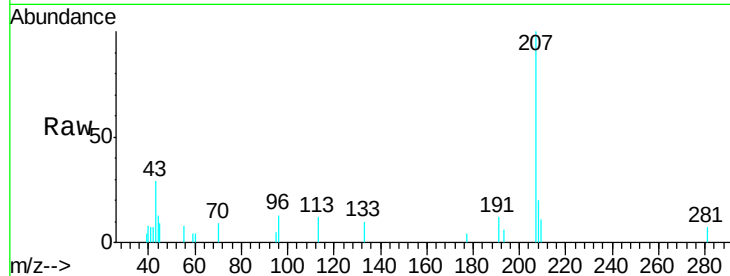




#51
 4-Methyl-2-Pentanone
 Concen: 0.259 ug/l
 RT: 9.92 min Scan# 2534
 Delta R.T. -0.06 min
 Lab File: VN058656.D
 Acq: 9 Oct 2019 21:22

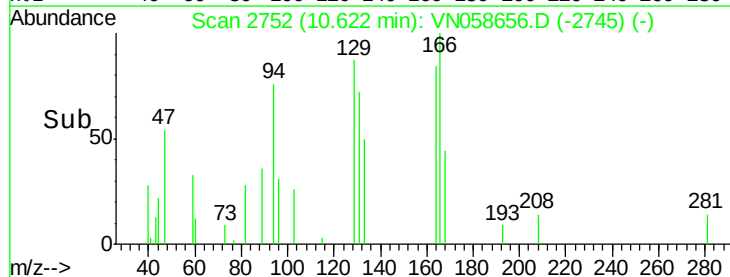
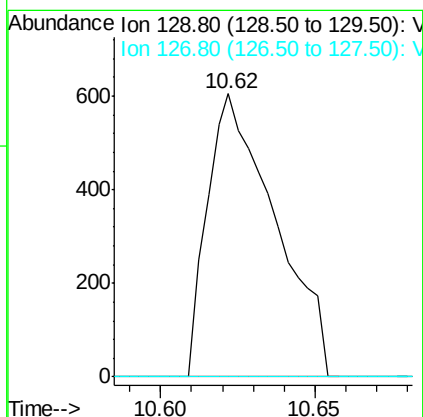
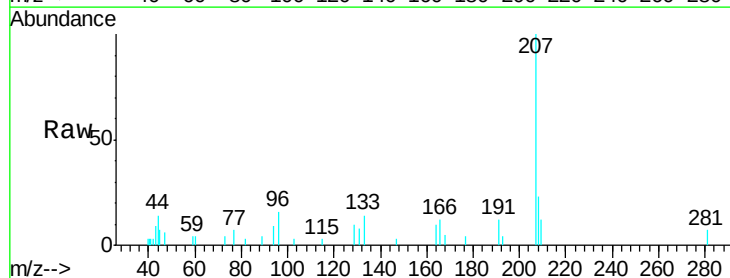
Instrument :
 MSVOA_N
 ClientSampled :
 MW-5

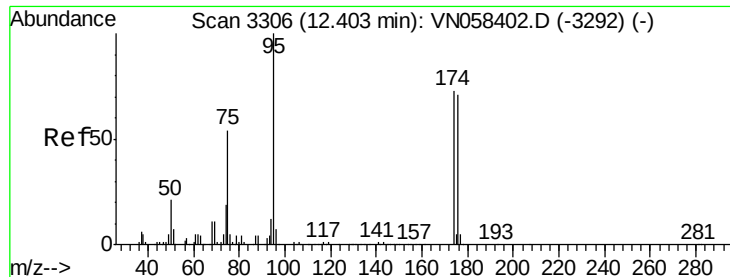
Tgt Ion: 43 Resp: 1375
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.2 45.2#



#60
 Dibromochloromethane
 Concen: Below Cal
 RT: 10.62 min Scan# 2752
 Delta R.T. -0.28 min
 Lab File: VN058656.D
 Acq: 9 Oct 2019 21:22

Tgt Ion: 129 Resp: 921
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 47.089 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

MW-5

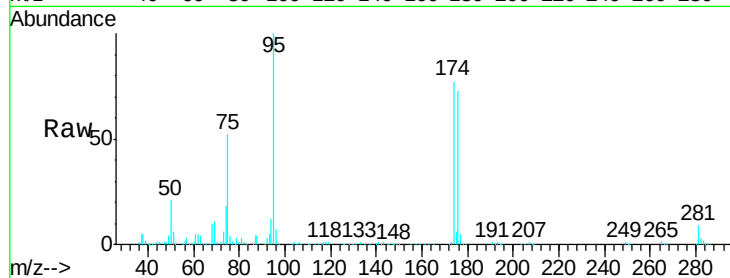
Tgt Ion: 95 Resp: 277593

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.6

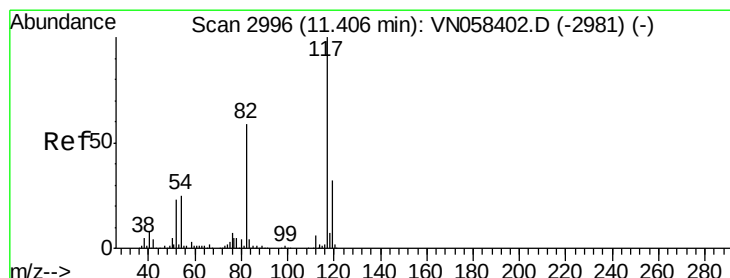
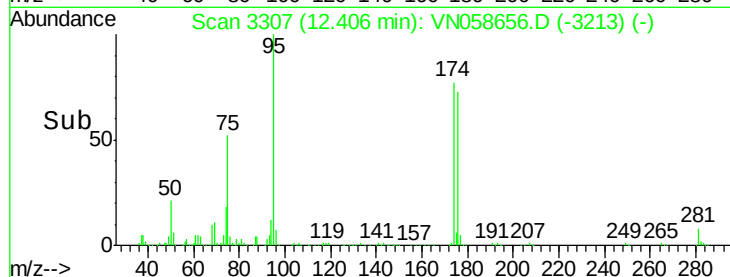
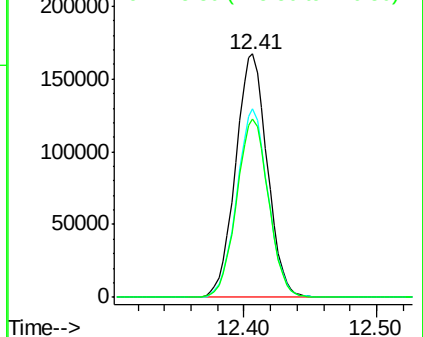
176 73.7 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

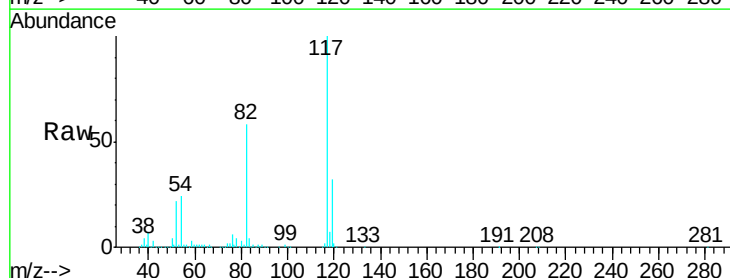
Tgt Ion: 117 Resp: 590507

Ion Ratio Lower Upper

117 100

82 57.8 47.4 71.0

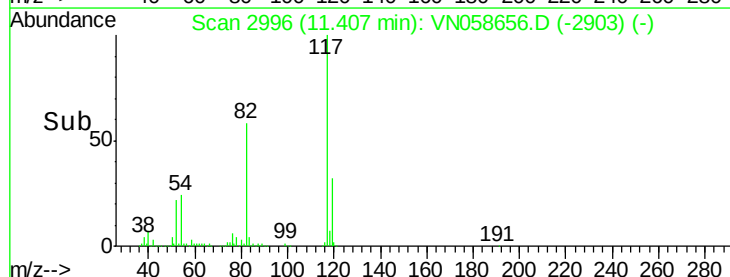
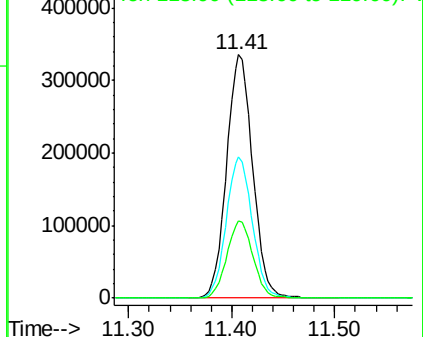
119 31.9 25.5 38.3

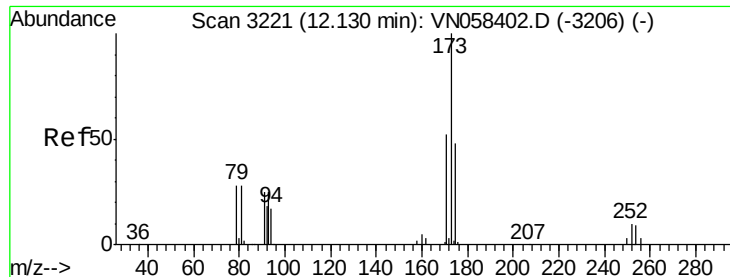


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

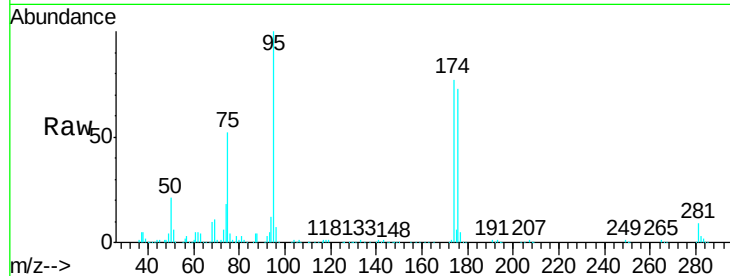




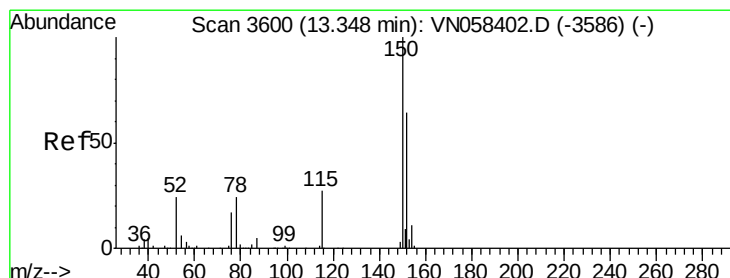
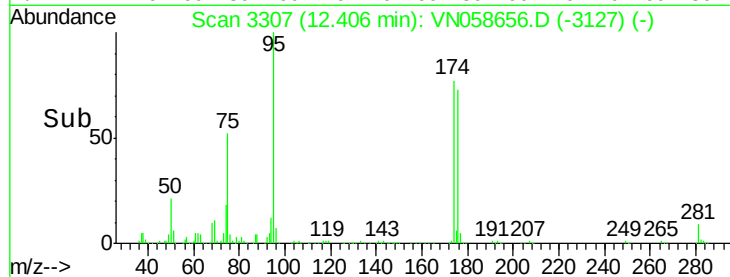
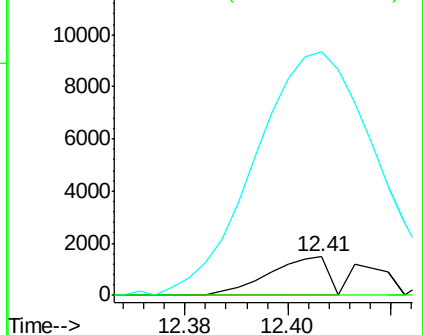
#71
Bromoform
Concen: 1.110 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058656.D
Acq: 9 Oct 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
MW-5

Tgt Ion:173 Resp: 1150
Ion Ratio Lower Upper
173 100
175 1158.2 24.3 73.0#
254 0.0 0.1 0.1#

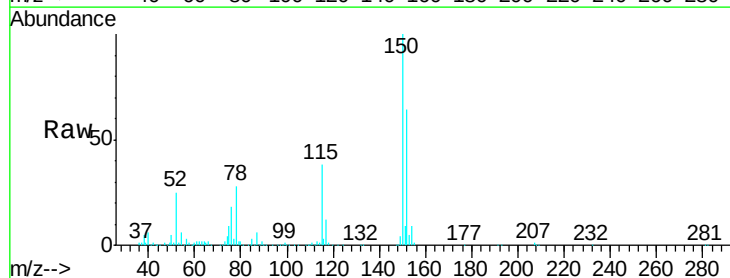


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

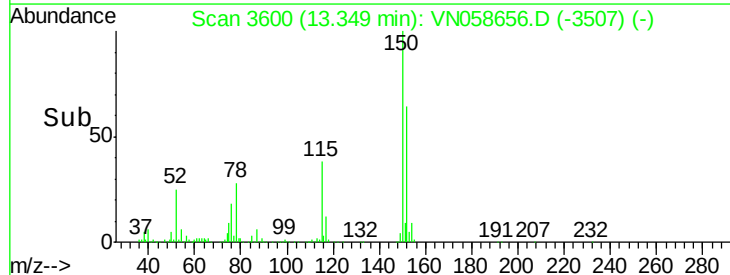
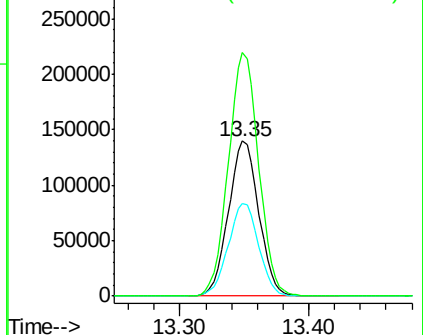


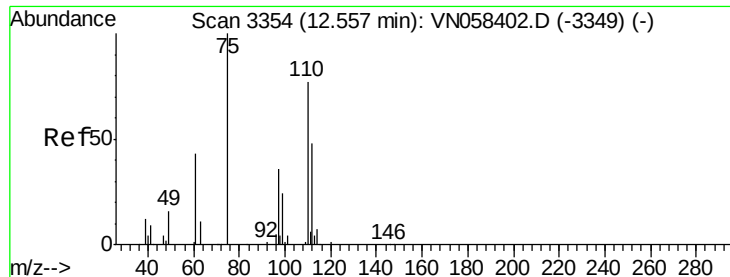
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058656.D
Acq: 9 Oct 2019 21:22

Tgt Ion:152 Resp: 227832
Ion Ratio Lower Upper
152 100
115 60.2 30.0 90.0
150 156.6 0.0 348.2



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: 35.663 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

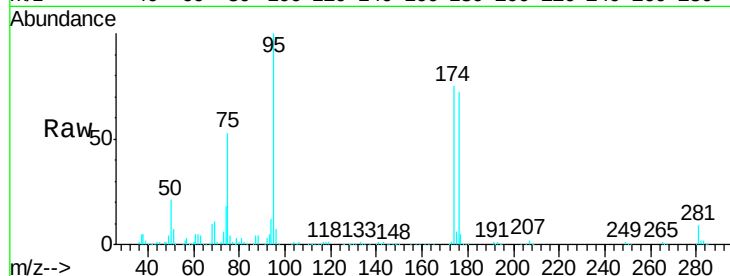
MW-5

Tgt Ion: 75 Resp: 148405

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

80000

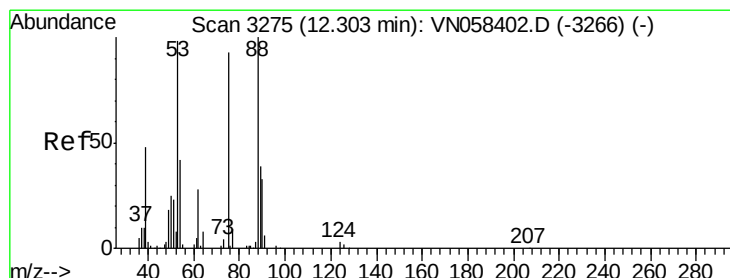
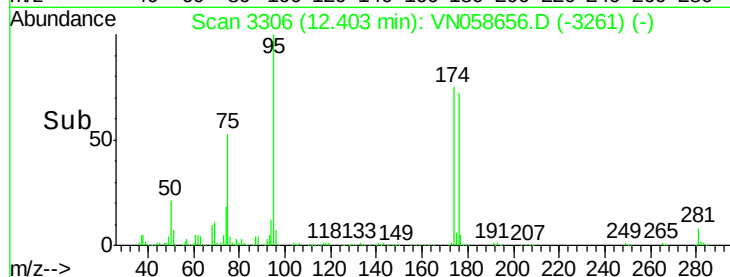
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 108.312 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

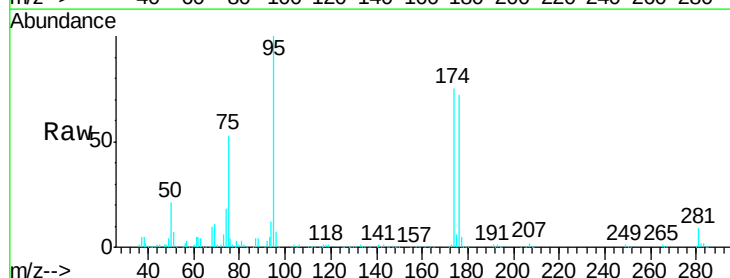
Tgt Ion: 75 Resp: 148405

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

120000

100000

80000

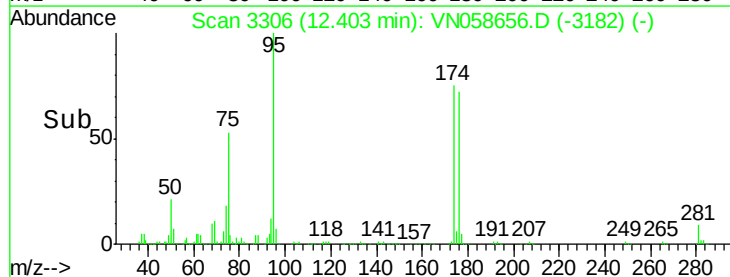
60000

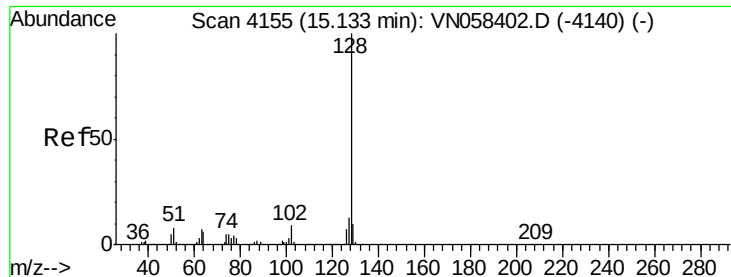
40000

20000

0

Time-->





#95

Naphthalene

Concen: 0.304 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

MW-5

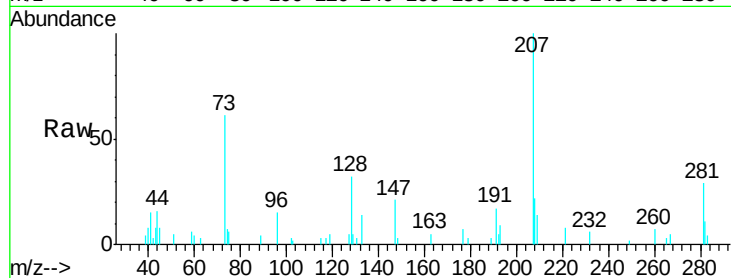
Tgt Ion:128 Resp: 3710

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.4

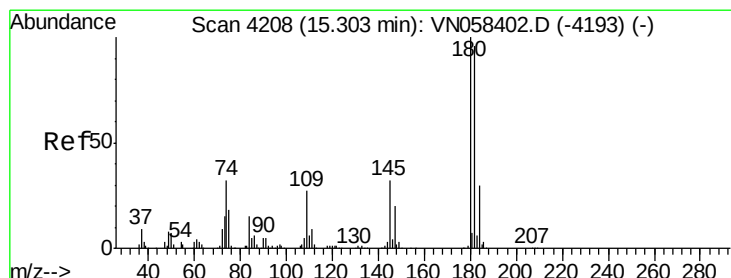
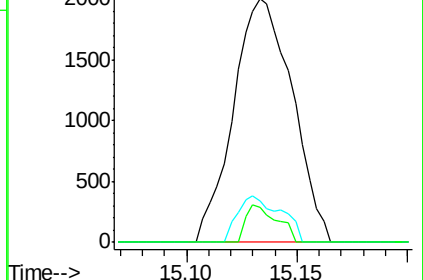
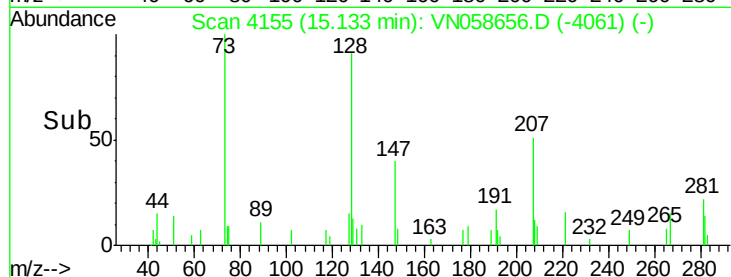
129 8.0 8.3 12.5#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.203 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058656.D

Acq: 9 Oct 2019 21:22

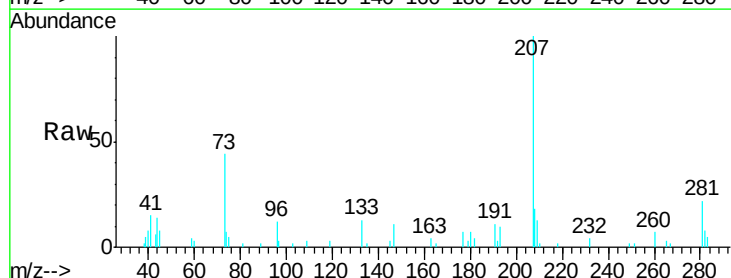
Tgt Ion:180 Resp: 869

Ion Ratio Lower Upper

180 100

182 70.7 48.3 144.9

145 36.2 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

