

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112219\
 Data File : VN059371.D
 Acq On : 22 Nov 2019 17:36
 Operator : JC/SP
 Sample : K5957-06DL 50X
 Misc : 5.45g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-(17-20)DL

Quant Time: Nov 22 17:57:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	351960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	539253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	451511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	167571	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	198516	47.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.02%	
35) Dibromofluoromethane	7.57	113	158626	49.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.06%	
50) Toluene-d8	10.08	98	646833	50.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	200994	44.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.38%	

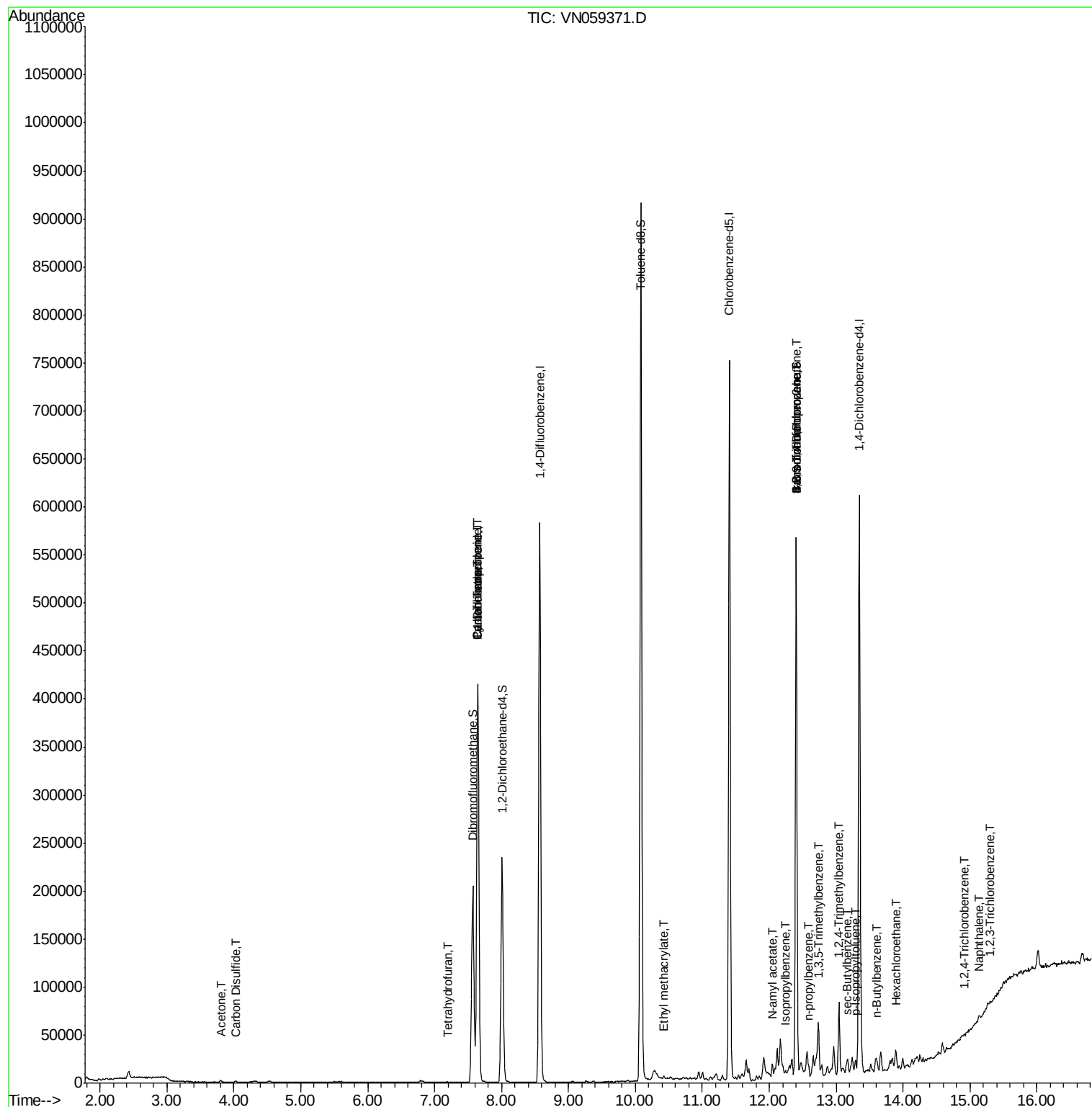
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	2149	1.135	ug/l	89
17) Carbon Disulfide	4.03	76	1616	0.275	ug/l #	75
29) Tetrahydrofuran	7.20	42	497	0.244	ug/l #	34
31) Cyclohexane	7.64	56	6471	0.870	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	25440	4.570	ug/l #	49
38) Carbon Tetrachloride	7.64	117	32653	6.127	ug/l #	16
56) Ethyl methacrylate	10.43	69	261	2.231	ug/l #	1
71) Bromoform	12.40	173	968	0.362	ug/l #	1
73) Isopropylbenzene	12.25	105	3003	0.219	ug/l	90
74) N-amyl acetate	12.05	43	2976	0.539	ug/l #	65
76) 1,2,3-Trichloropropane	12.40	75	97965	25.305	ug/l #	100
78) n-propylbenzene	12.59	91	8452	0.544	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	17738	1.537	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	97965	63.293	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	41247	3.649	ug/l	99
85) sec-Butylbenzene	13.17	105	8486	0.648	ug/l #	74
86) p-Isopropyltoluene	13.29	119	4910	0.421	ug/l	94
89) n-Butylbenzene	13.62	91	6647	0.650	ug/l #	73
90) Hexachloroethane	13.89	117	1161	0.526	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.91	180	653	3.111	ug/l #	56
95) Naphthalene	15.13	128	3101	3.462	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	866	2.139	ug/l	92

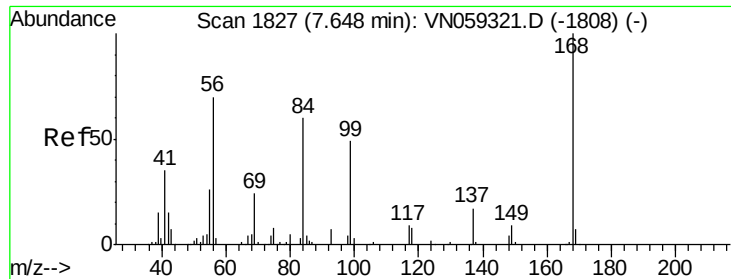
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

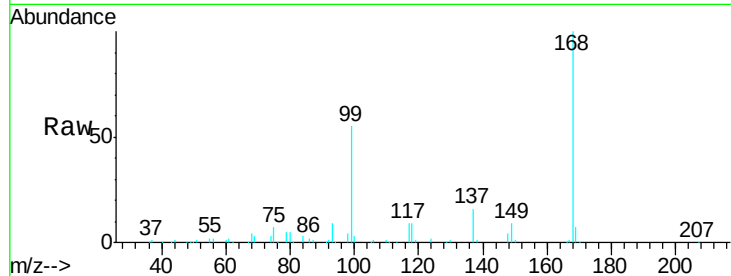
MW-3-(17-20)DL

Tgt Ion:168 Resp: 351960

Ion Ratio Lower Upper

168 100

99 55.5 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

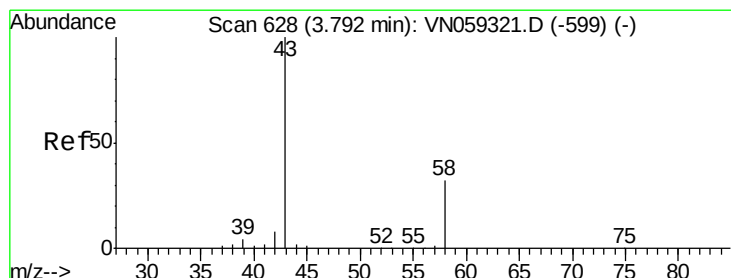
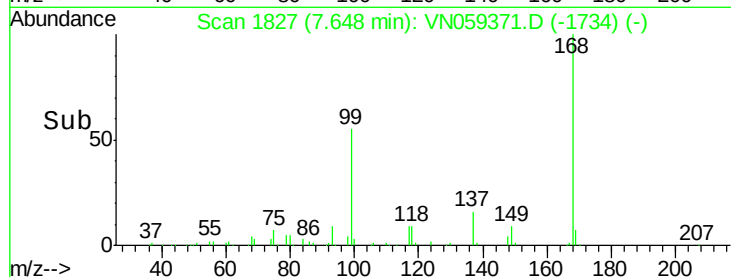
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 1.135 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059371.D

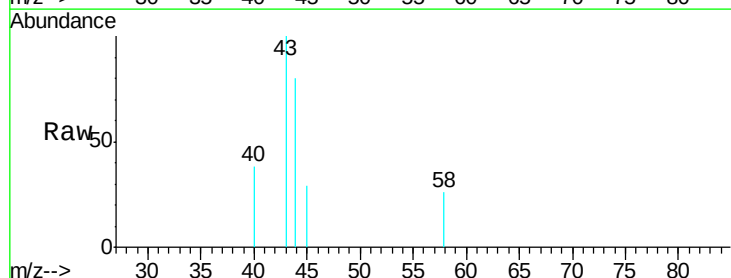
Acq: 22 Nov 2019 17:36

Tgt Ion: 43 Resp: 2149

Ion Ratio Lower Upper

43 100

58 25.9 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.79

800

600

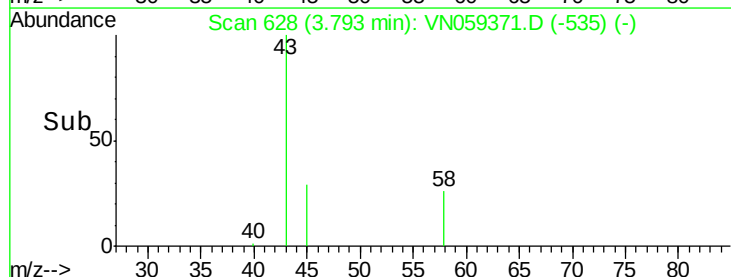
400

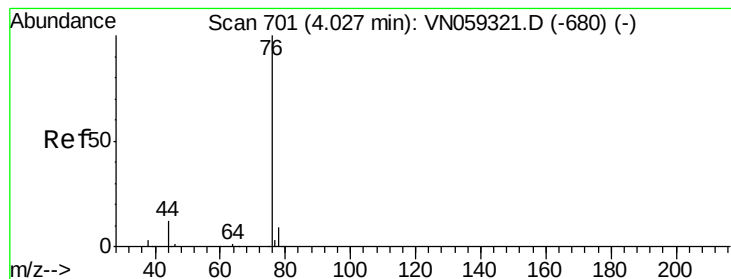
200

0

3.75 3.80 3.85

Time-->





#17

Carbon Disulfide

Concen: 0.275 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

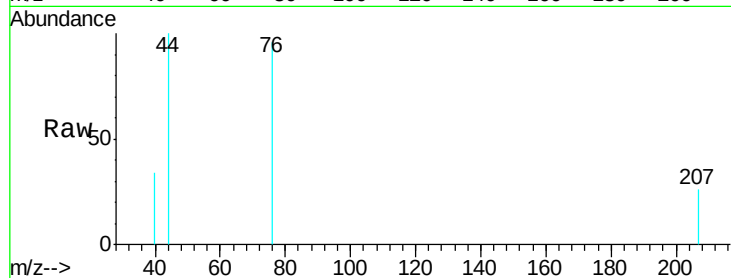
MW-3-(17-20)DL

Tgt Ion: 76 Resp: 1616

Ion Ratio Lower Upper

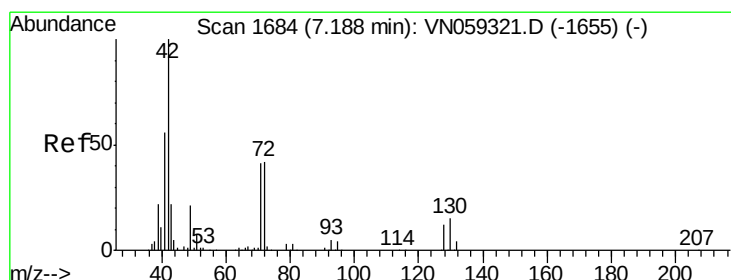
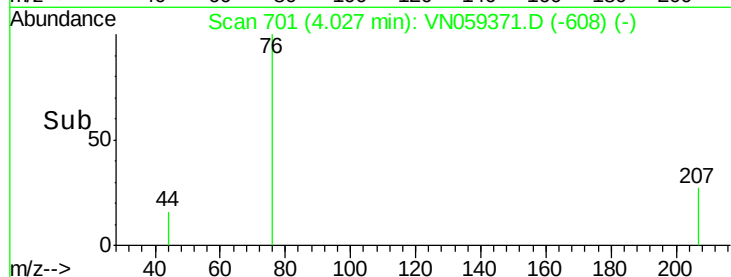
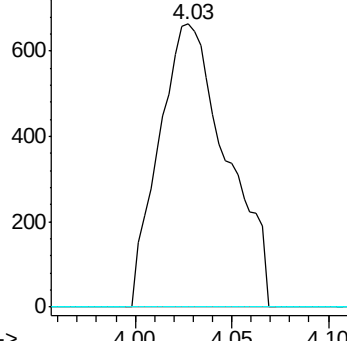
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#29

Tetrahydrofuran

Concen: 0.244 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.02 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

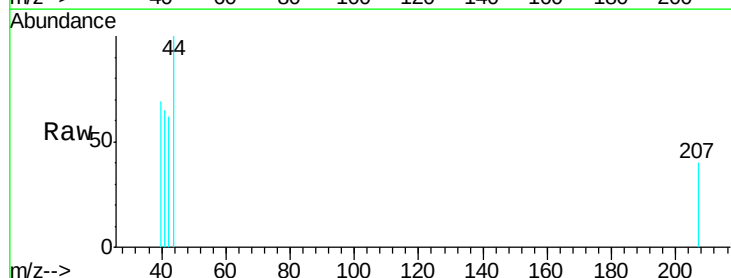
Tgt Ion: 42 Resp: 497

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

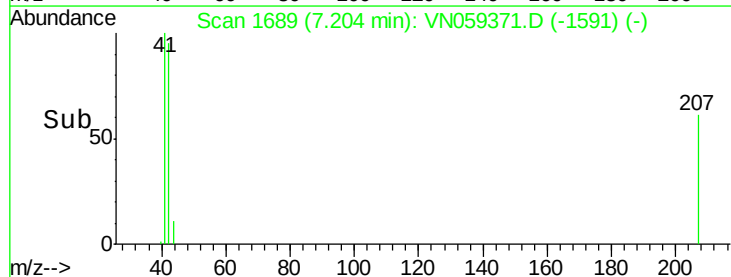
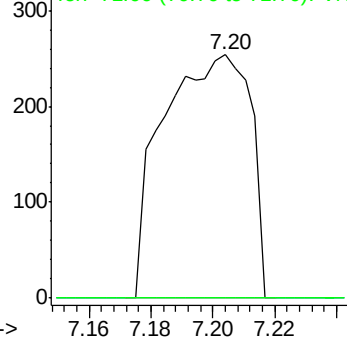
71 0.0 32.6 48.8#

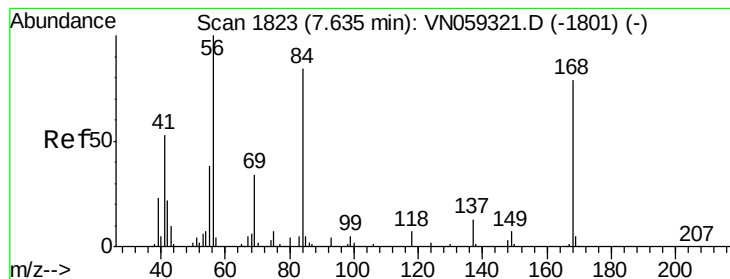


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.870 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

MW-3-(17-20)DL

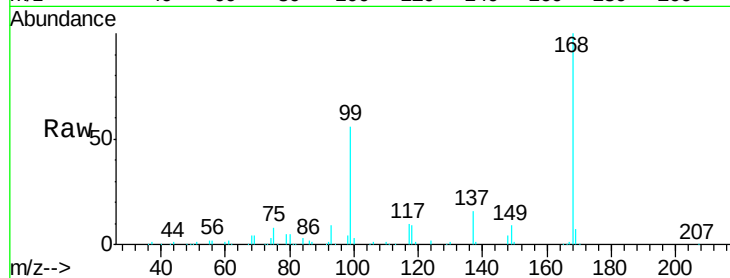
Tgt Ion: 56 Resp: 6471

Ion Ratio Lower Upper

56 100

69 177.0 26.6 40.0#

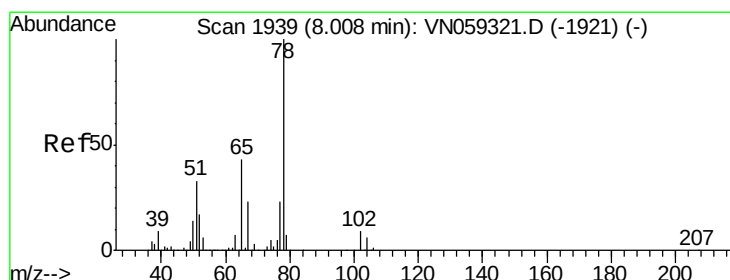
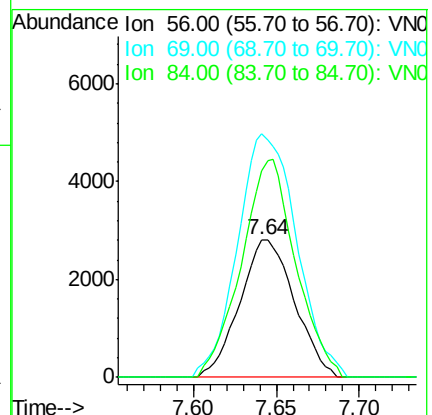
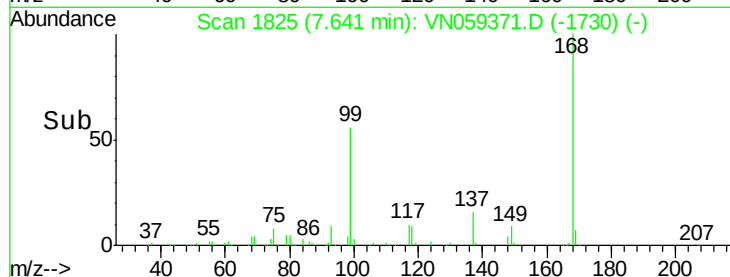
84 149.8 67.0 100.4#



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: 47.009 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059371.D

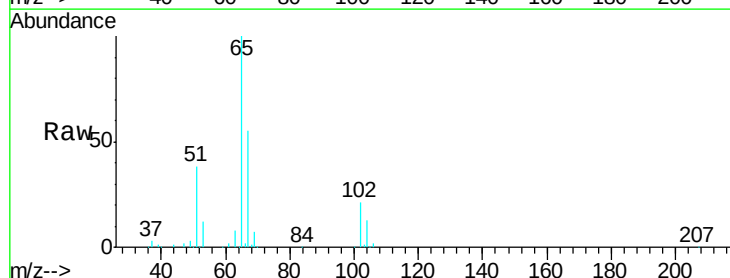
Acq: 22 Nov 2019 17:36

Tgt Ion: 65 Resp: 198516

Ion Ratio Lower Upper

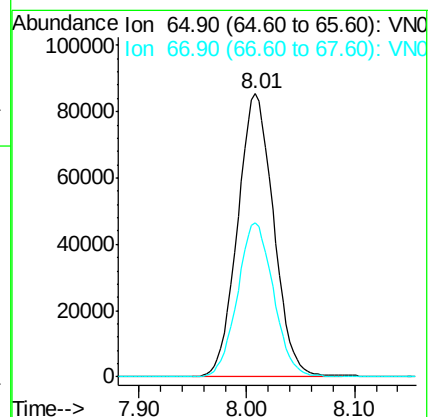
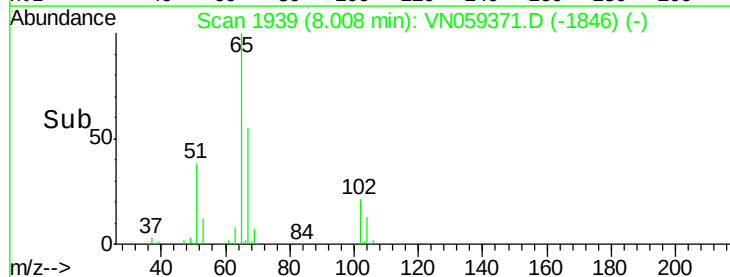
65 100

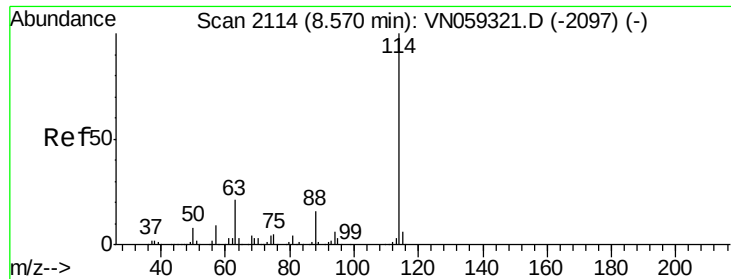
67 54.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

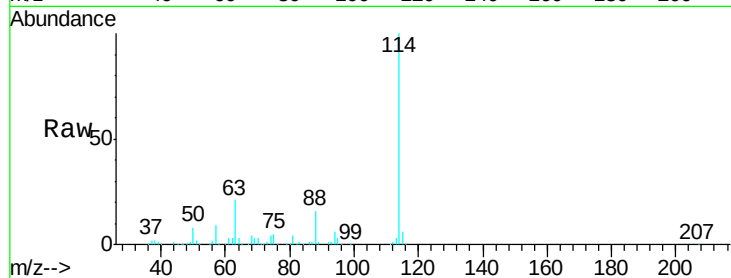




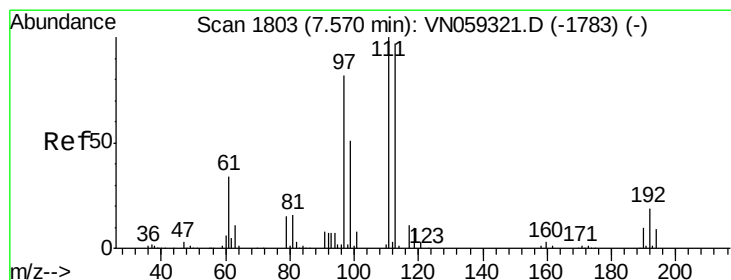
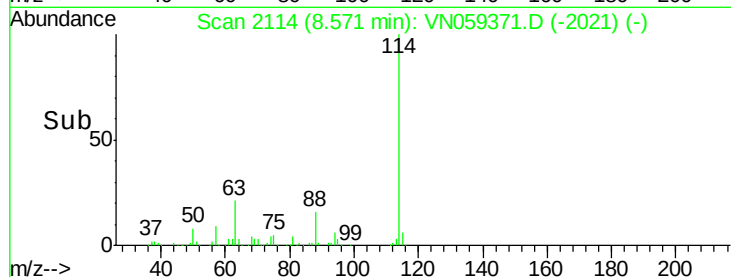
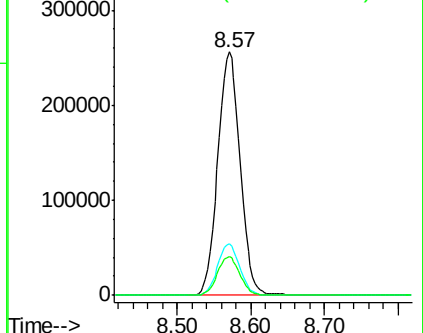
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059371.D
 Acq: 22 Nov 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-(17-20)DL

Tgt Ion:114 Resp: 539253
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.2
 88 15.8 0.0 32.2

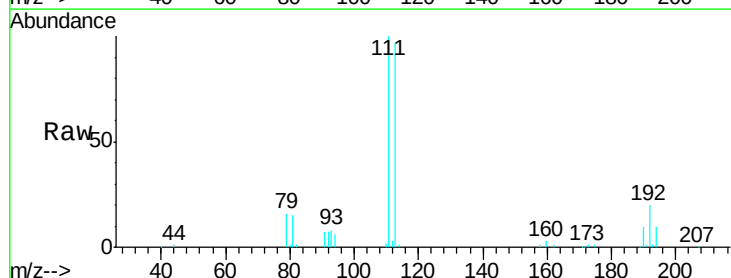


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

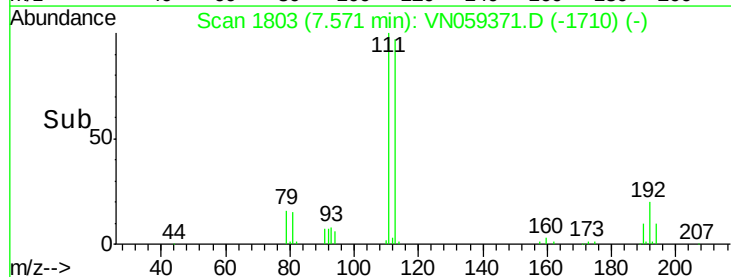
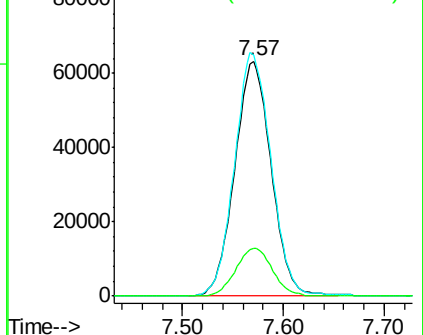


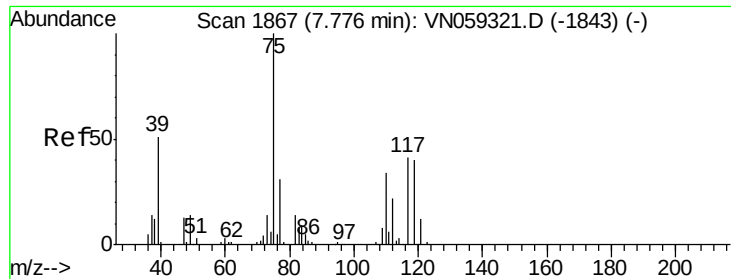
#35
 Dibromofluoromethane
 Concen: 49.031 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059371.D
 Acq: 22 Nov 2019 17:36

Tgt Ion:113 Resp: 158626
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.7 124.1
 192 20.6 16.3 24.5



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

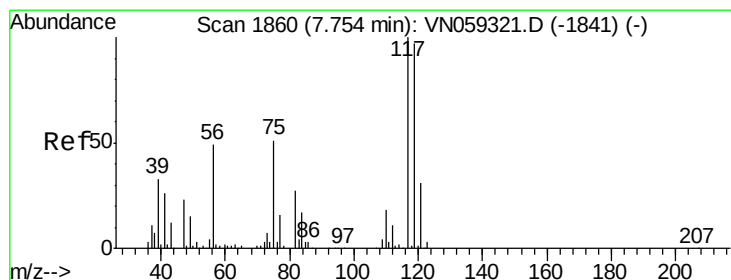
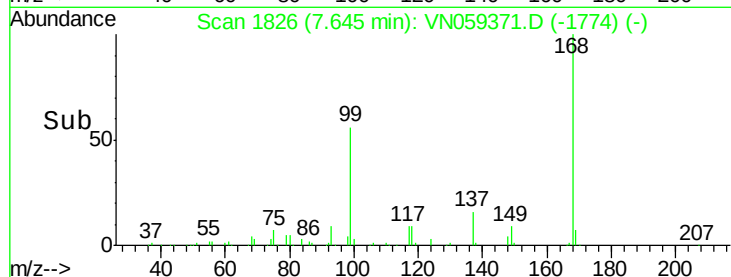
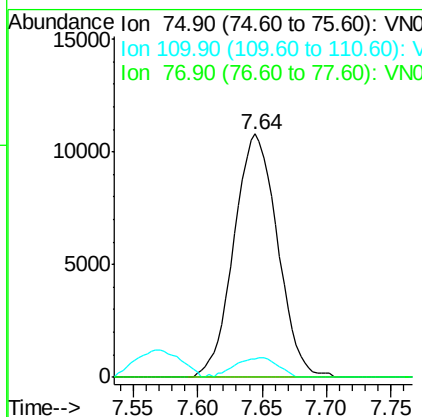
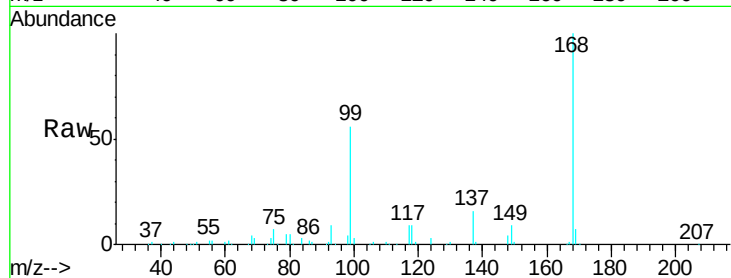




#36
 1,1-Dichloropropene
 Concen: 4.570 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059371.D
 Acq: 22 Nov 2019 17:36

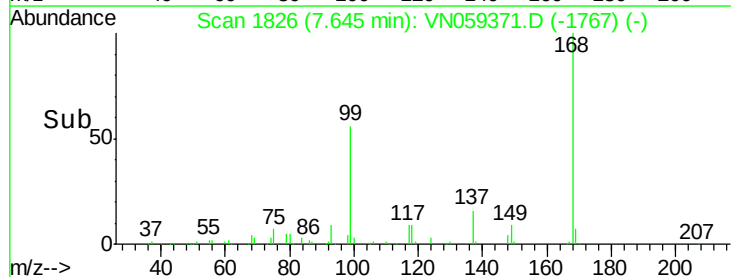
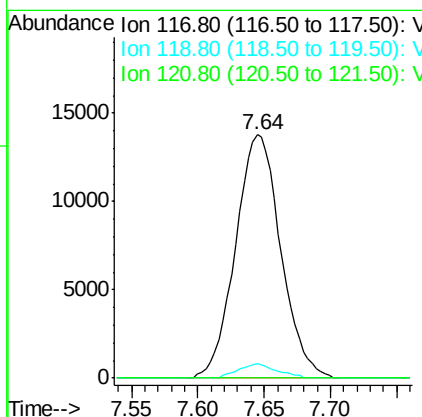
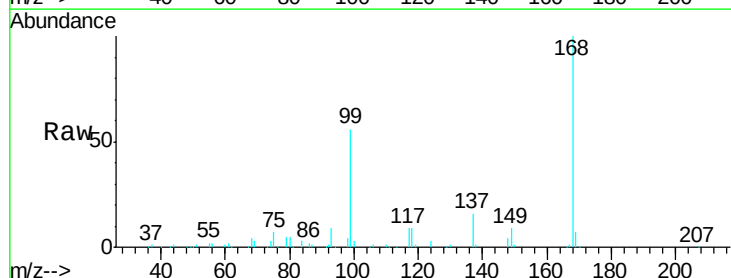
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-(17-20)DL

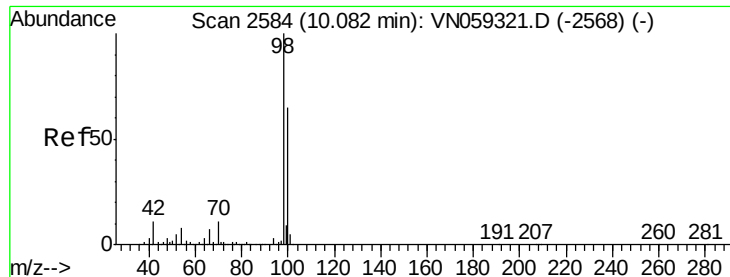
Tgt Ion: 75 Resp: 25440
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.0 51.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.127 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059371.D
 Acq: 22 Nov 2019 17:36

Tgt Ion: 117 Resp: 32653
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.0 115.4#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 50.293 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

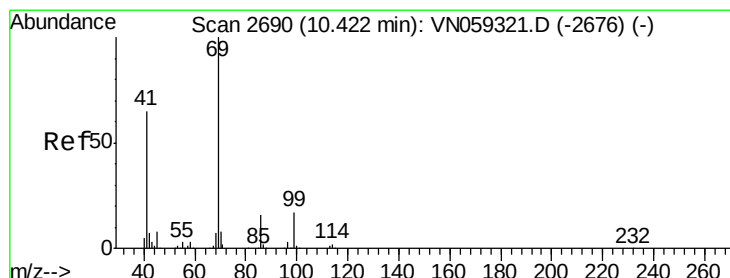
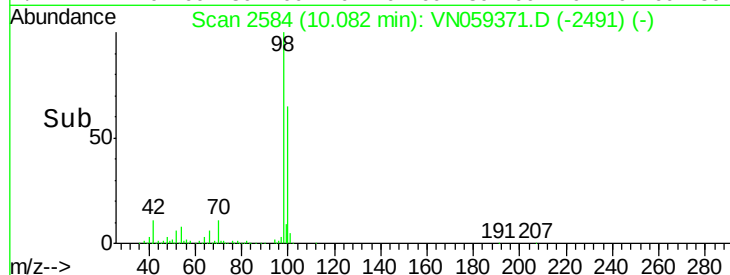
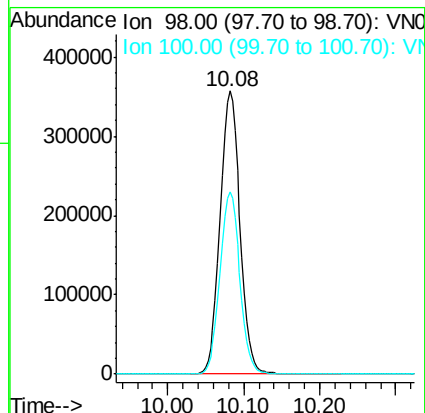
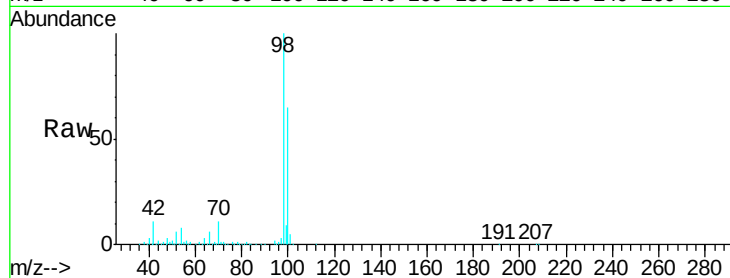
MW-3-(17-20)DL

Tgt Ion: 98 Resp: 646833

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5



#56

Ethyl methacrylate

Concen: 2.231 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

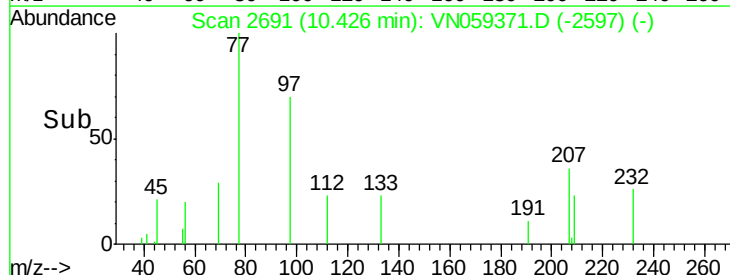
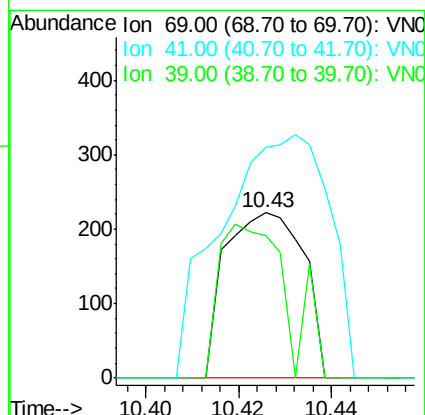
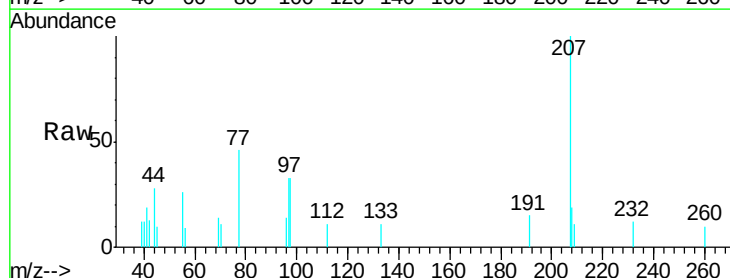
Tgt Ion: 69 Resp: 261

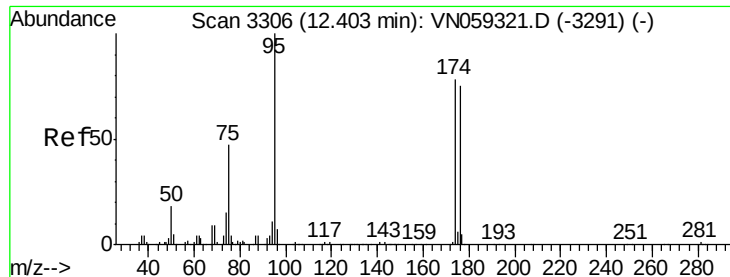
Ion Ratio Lower Upper

69 100

41 202.7 51.7 77.5#

39 81.2 25.2 37.8#

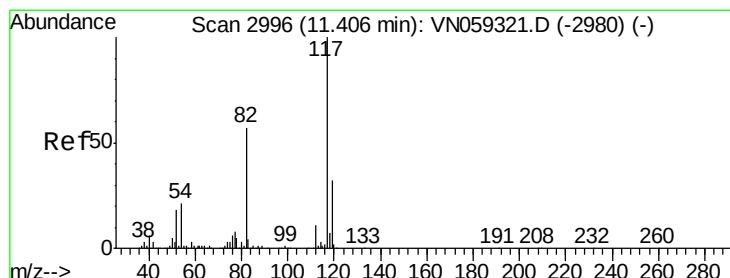
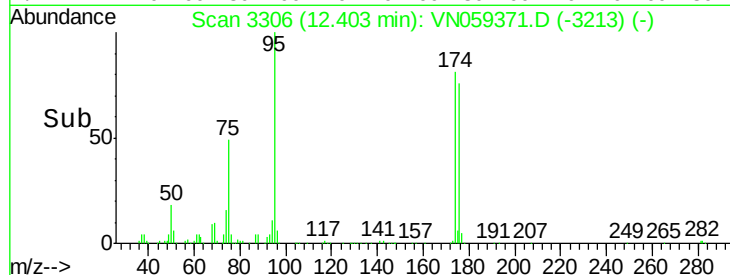
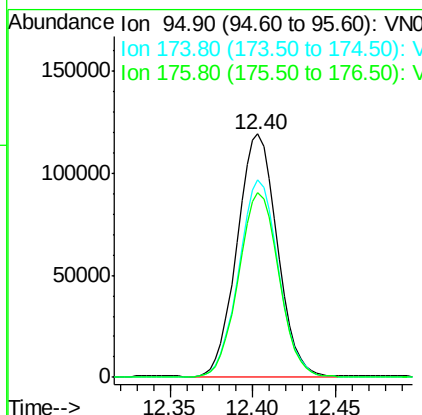
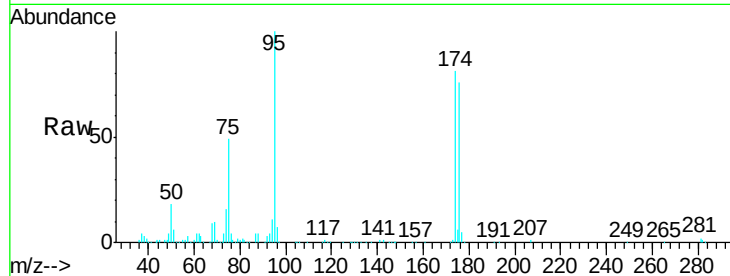




#62
4-Bromofluorobenzene
Concen: 44.695 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059371.D
Acq: 22 Nov 2019 17:36

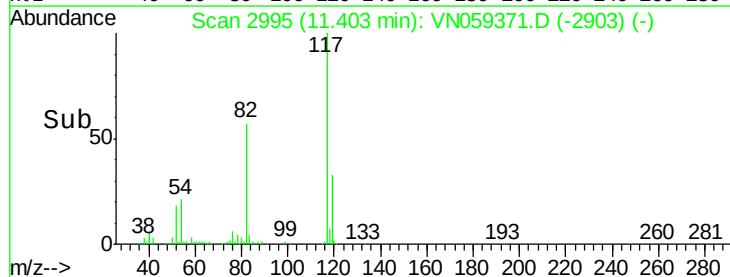
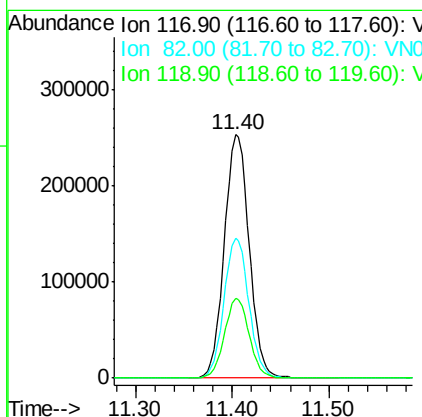
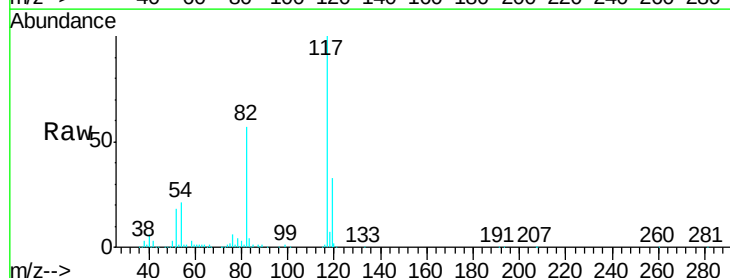
Instrument :
MSVOA_N
ClientSampleId :
MW-3-(17-20)DL

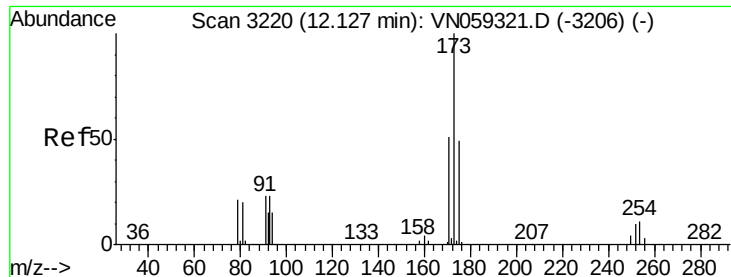
Tgt Ion: 95 Resp: 200994
Ion Ratio Lower Upper
95 100
174 80.9 0.0 157.4
176 76.8 0.0 151.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059371.D
Acq: 22 Nov 2019 17:36

Tgt Ion: 117 Resp: 451511
Ion Ratio Lower Upper
117 100
82 57.2 45.7 68.5
119 32.6 25.8 38.6





#71

Bromoform

Concen: 0.362 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampled :

MW-3-(17-20)DL

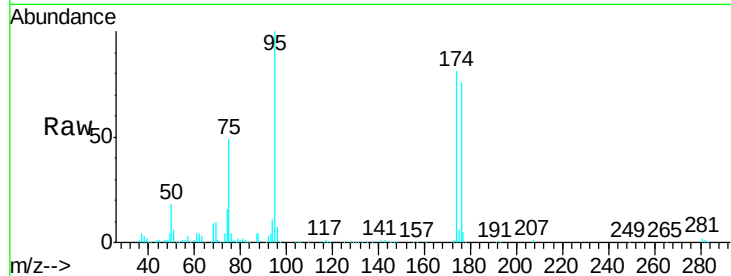
Tgt Ion:173 Resp: 968

Ion Ratio Lower Upper

173 100

175 987.1 24.6 73.6#

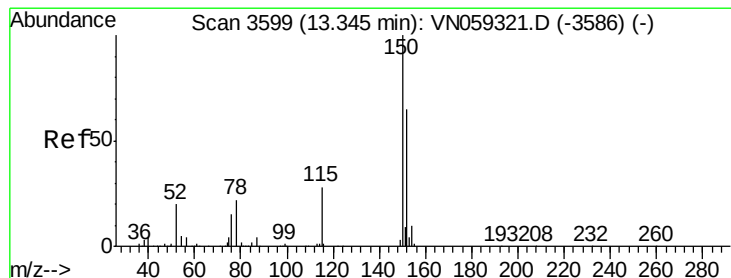
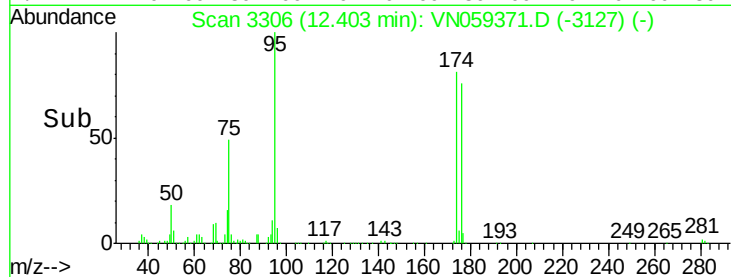
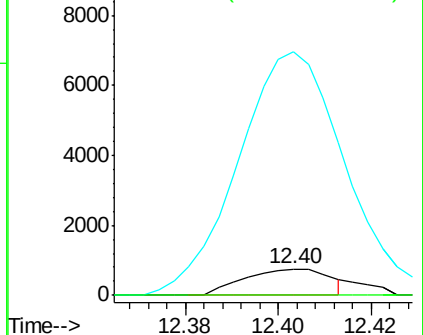
254 0.0 0.1 0.1#



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# 3599

Delta R.T. 0.00 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

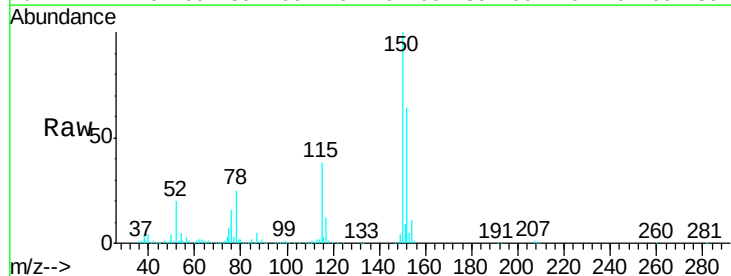
Tgt Ion:152 Resp: 167571

Ion Ratio Lower Upper

152 100

115 59.2 29.3 88.0

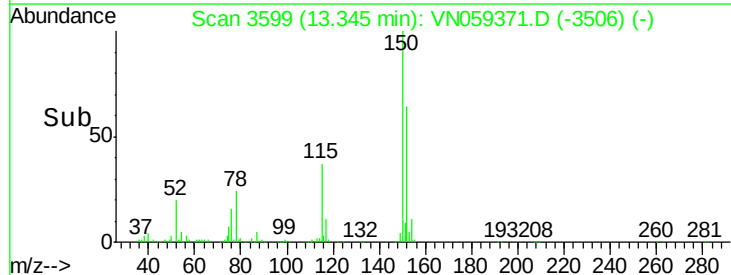
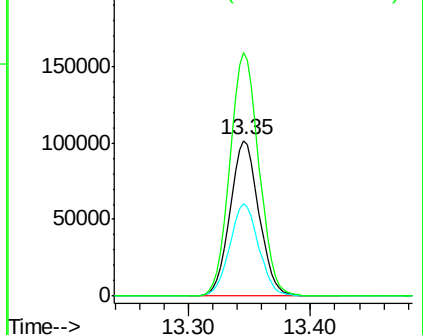
150 157.8 0.0 346.0

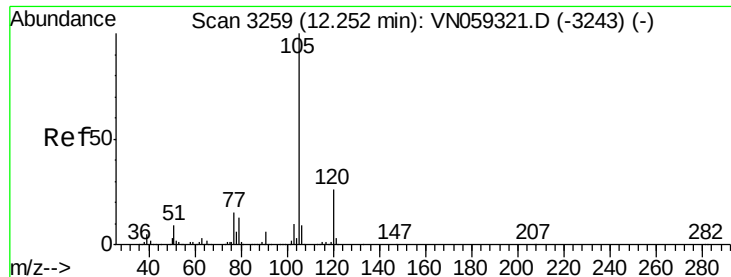


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.219 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

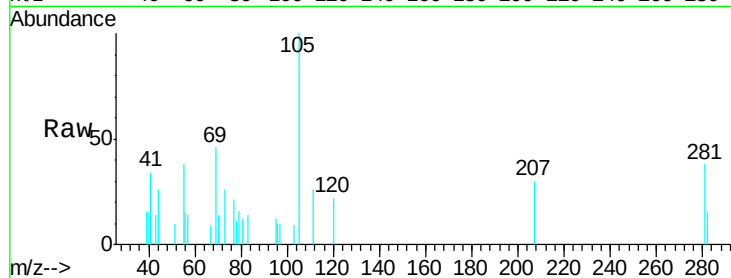
MW-3-(17-20)DL

Tgt Ion: 105 Resp: 3003

Ion Ratio Lower Upper

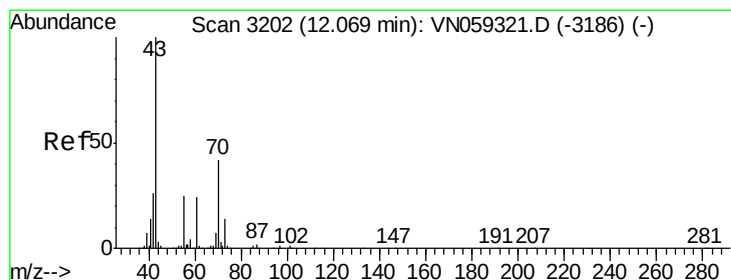
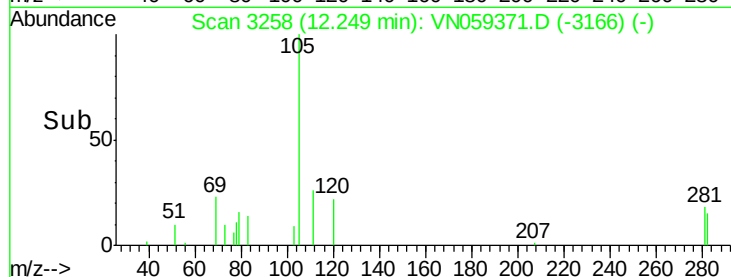
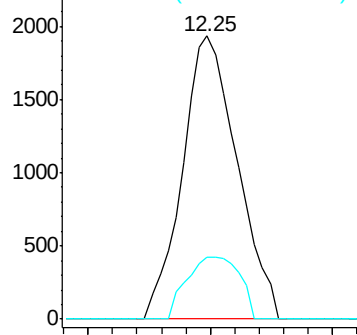
105 100

120 21.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.539 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

Tgt Ion: 43 Resp: 2976

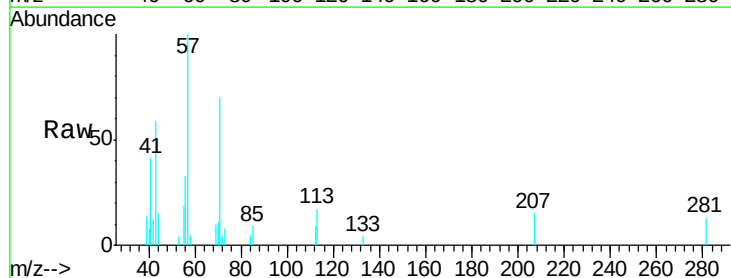
Ion Ratio Lower Upper

43 100

70 21.5 33.8 50.6#

55 12.4 20.3 30.5#

61 0.0 19.9 29.9#

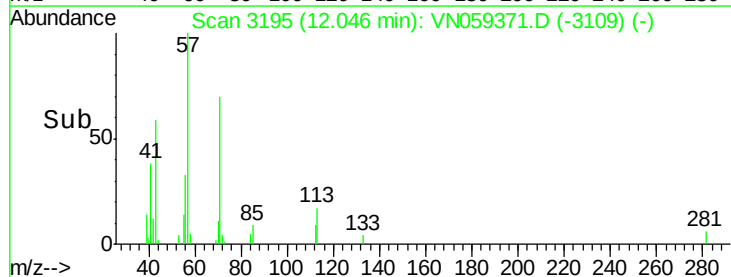
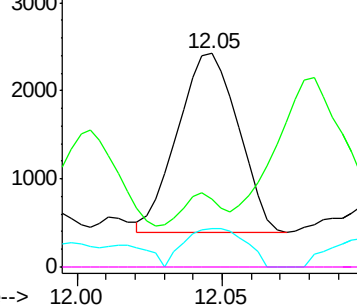


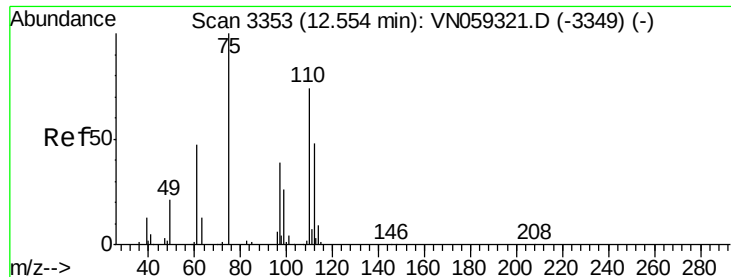
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN





#76

1,2,3-Trichloropropane

Concen: 25.305 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

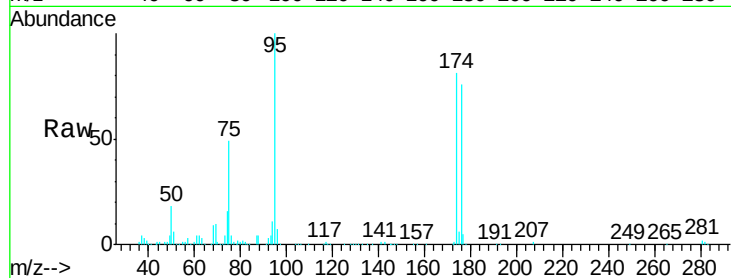
MW-3-(17-20)DL

Tgt Ion: 75 Resp: 97965

Ion Ratio Lower Upper

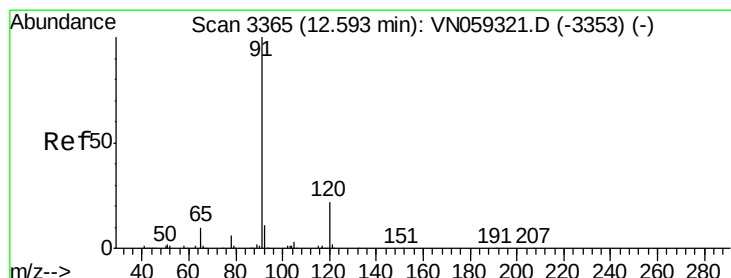
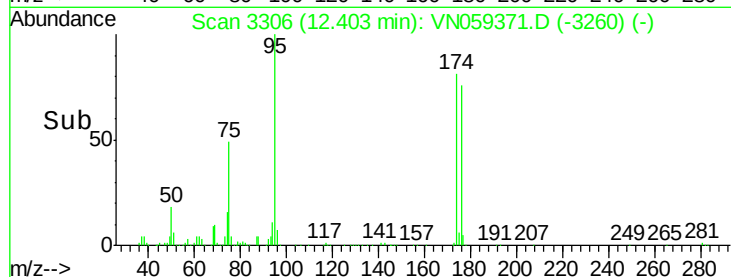
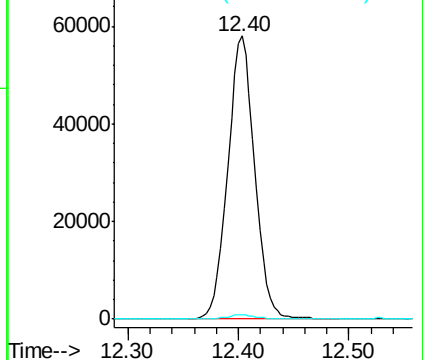
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.544 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059371.D

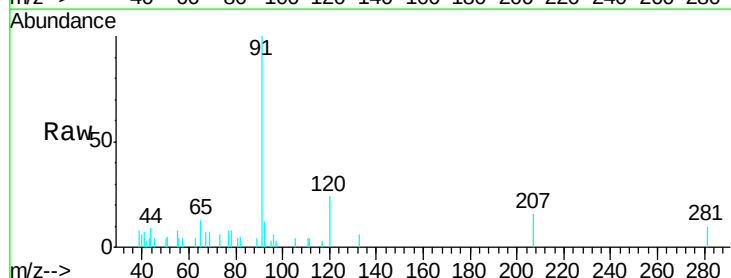
Acq: 22 Nov 2019 17:36

Tgt Ion: 91 Resp: 8452

Ion Ratio Lower Upper

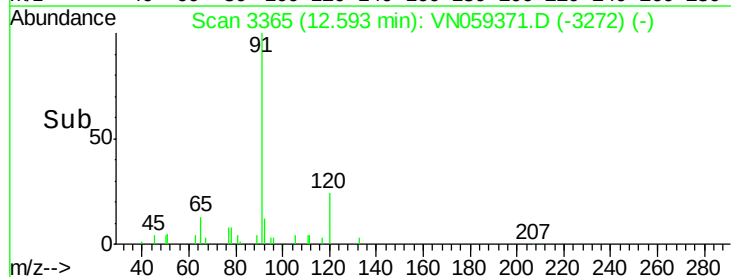
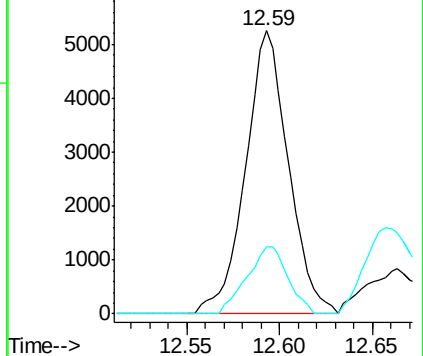
91 100

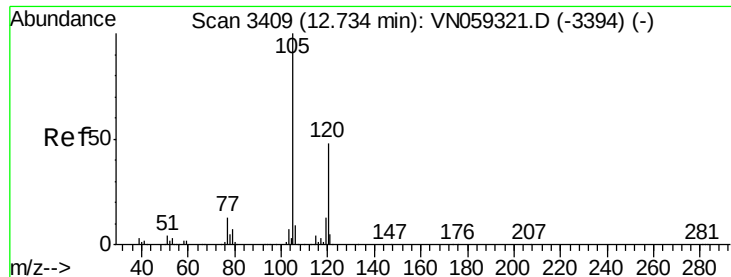
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.537 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

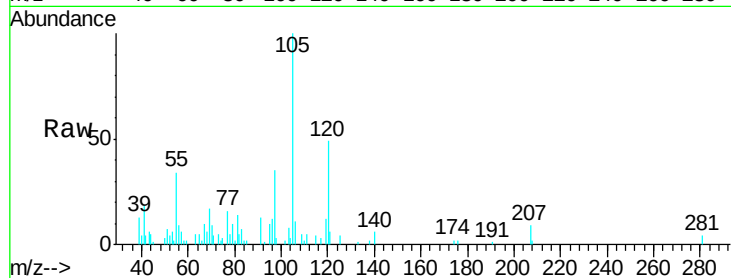
MW-3-(17-20)DL

Tgt Ion:105 Resp: 17738

Ion Ratio Lower Upper

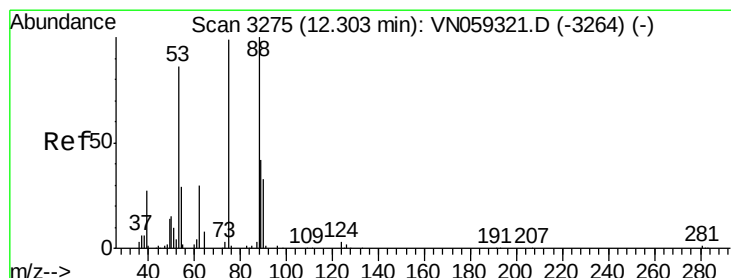
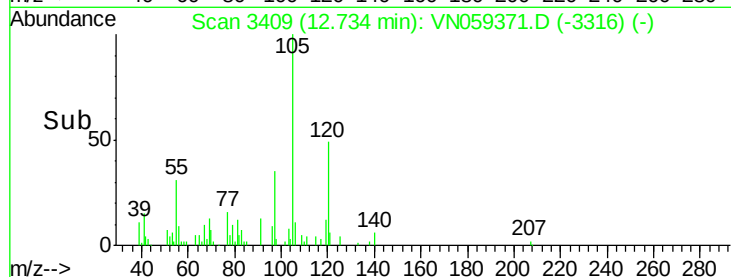
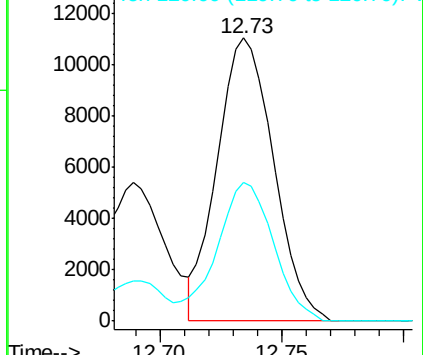
105 100

120 48.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 63.293 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059371.D

Acq: 22 Nov 2019 17:36

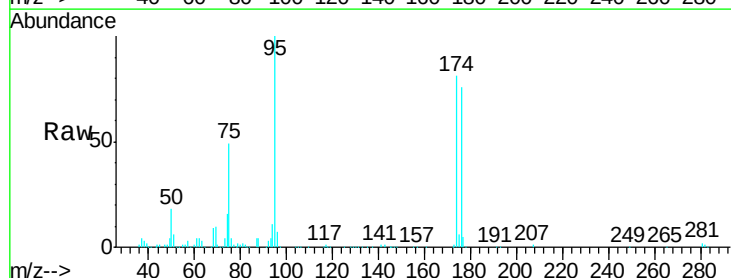
Tgt Ion: 75 Resp: 97965

Ion Ratio Lower Upper

75 100

53 0.2 70.7 106.1#

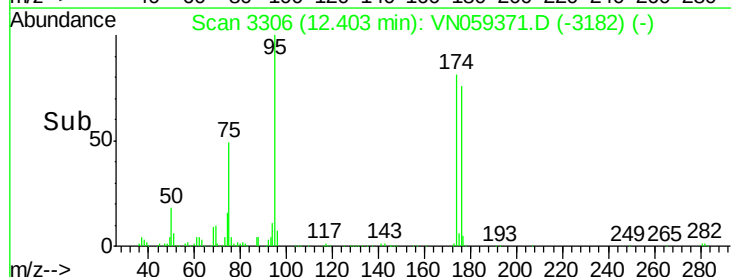
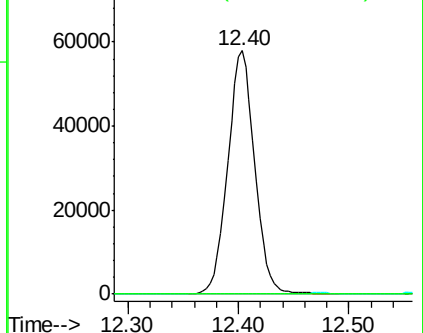
89 0.0 35.4 53.0#

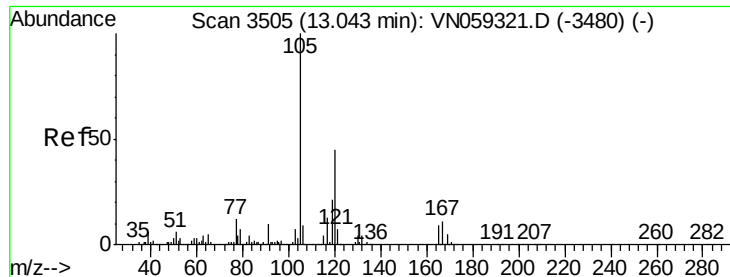


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

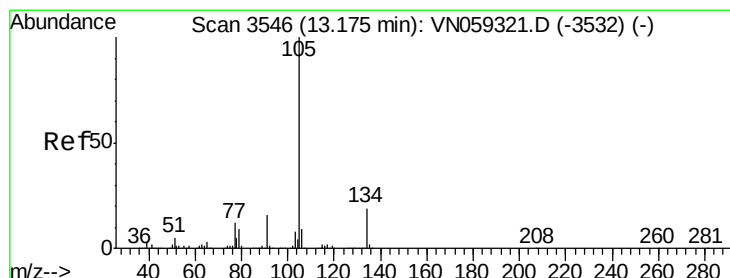
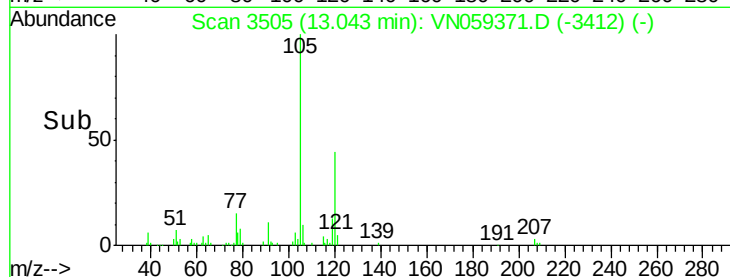
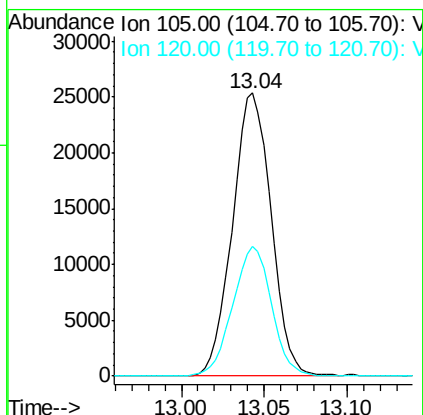
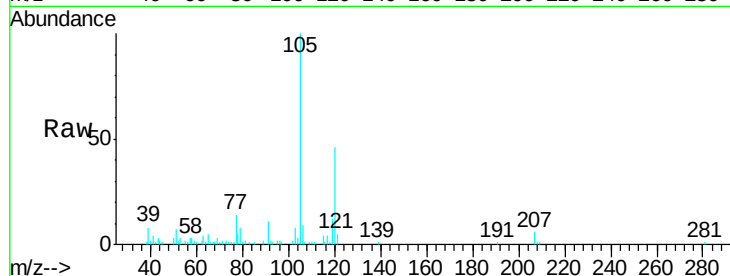




#84
 1,2,4-Trimethylbenzene
 Concen: 3.649 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059371.D
 Acq: 22 Nov 2019 17:36

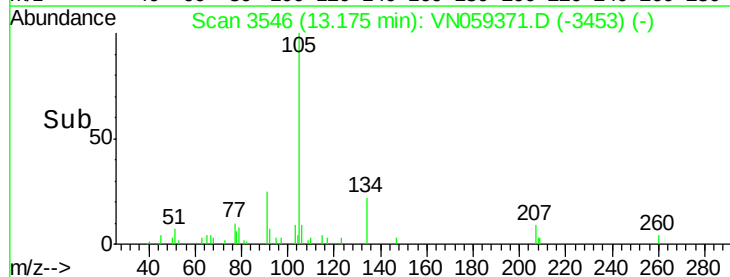
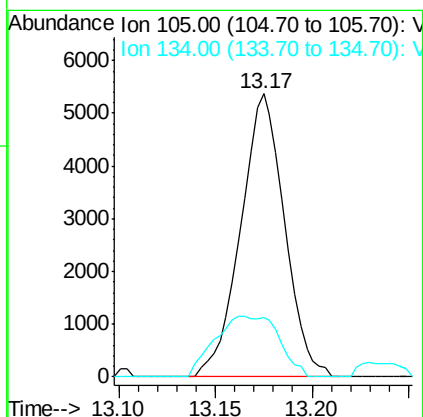
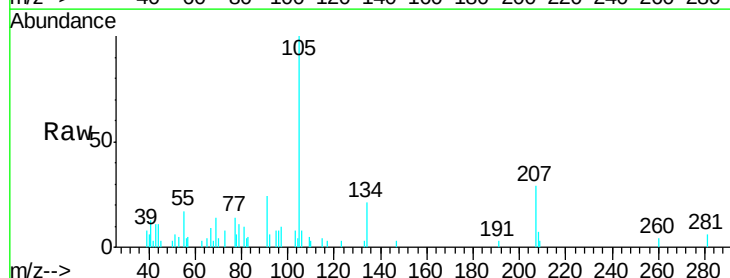
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-(17-20)DL

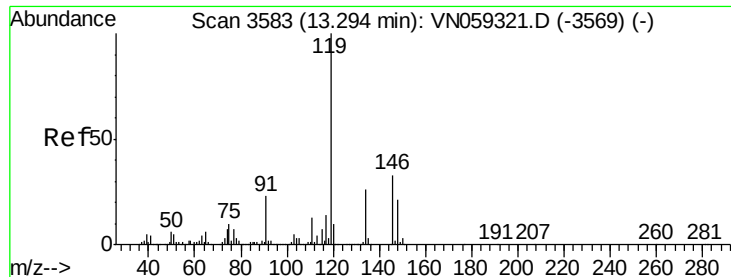
Tgt Ion:105 Resp: 41247
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 0.648 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059371.D
 Acq: 22 Nov 2019 17:36

Tgt Ion:105 Resp: 8486
 Ion Ratio Lower Upper
 105 100
 134 31.2 9.8 29.3#

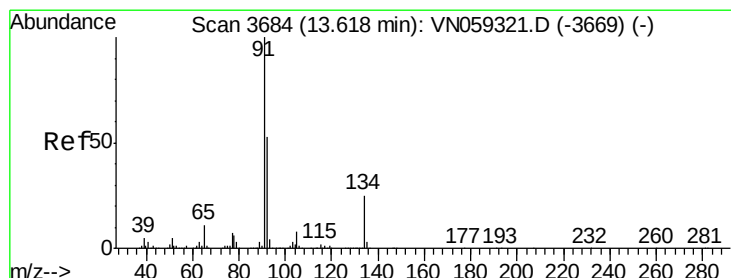
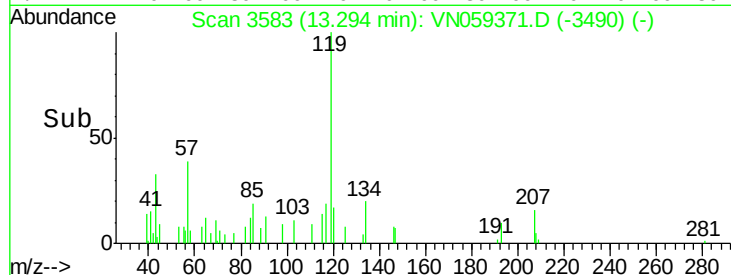
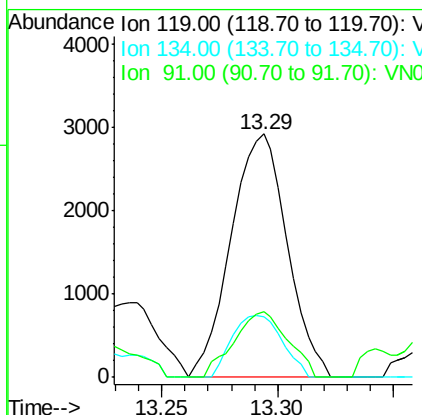
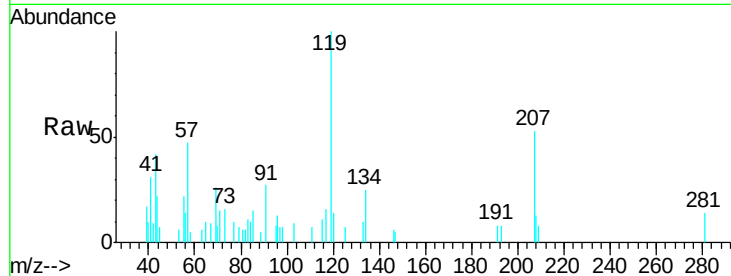




#86
 p-Isopropyltoluene
 Concen: 0.421 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059371.D
 Acq: 22 Nov 2019 17:36

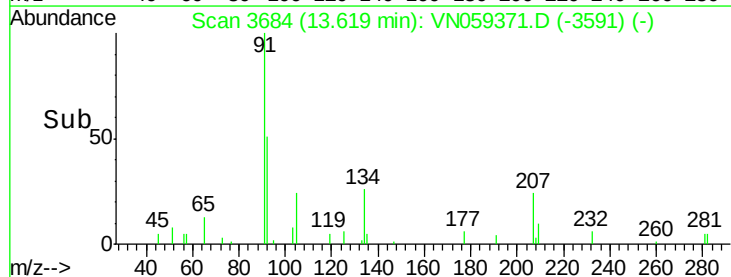
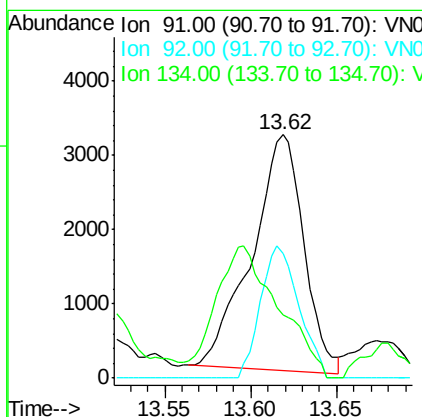
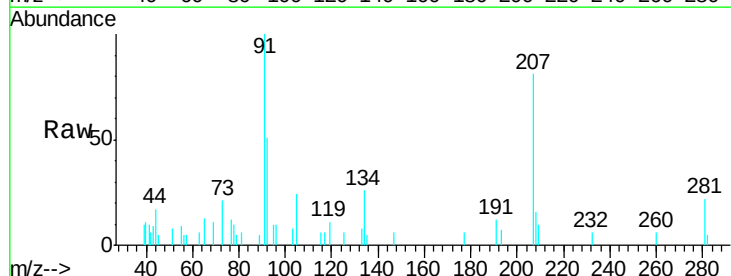
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-(17-20)DL

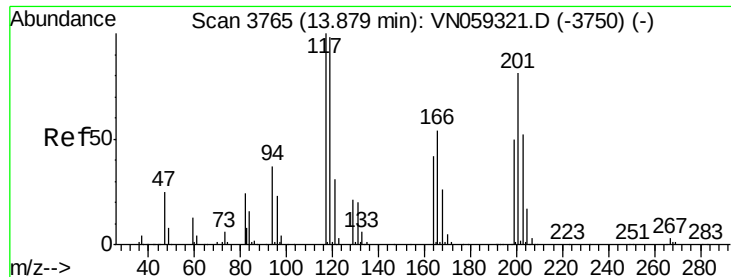
Tgt Ion: 119 Resp: 4910
 Ion Ratio Lower Upper
 119 100
 134 22.7 13.0 38.9
 91 25.8 11.6 34.7



#89
 n-Butylbenzene
 Concen: 0.650 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN059371.D
 Acq: 22 Nov 2019 17:36

Tgt Ion: 91 Resp: 6647
 Ion Ratio Lower Upper
 91 100
 92 41.2 26.0 78.0
 134 0.0 12.7 38.1#

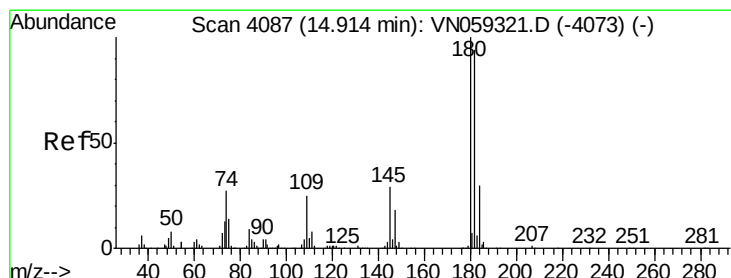
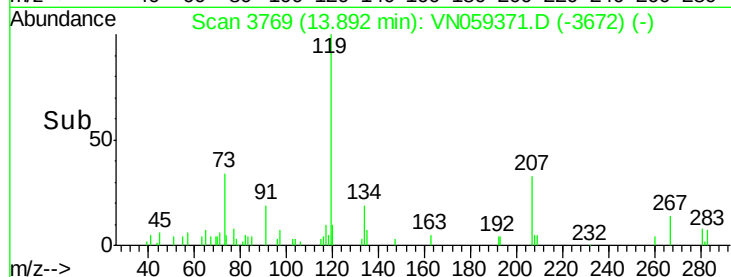
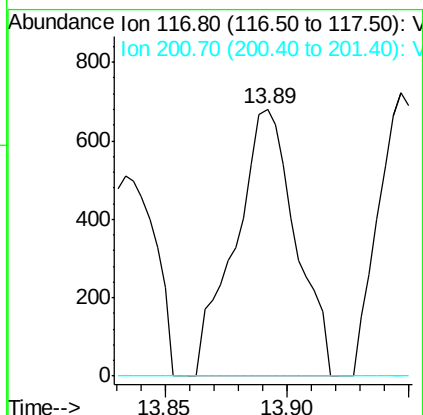
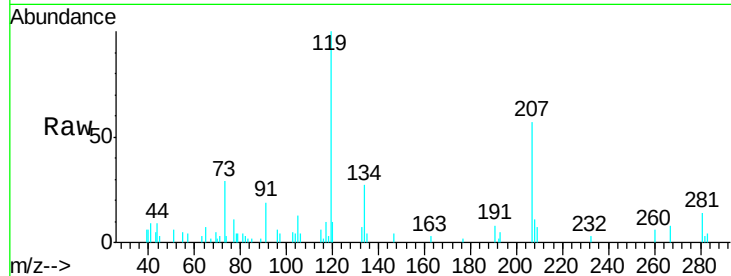




#90
Hexachloroethane
Concen: 0.526 ug/l
RT: 13.89 min Scan# 3769
Delta R.T. 0.01 min
Lab File: VN059371.D
Acq: 22 Nov 2019 17:36

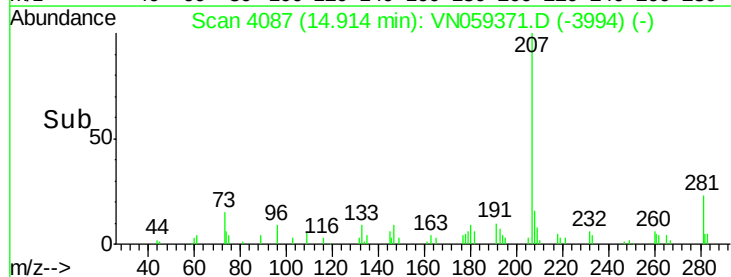
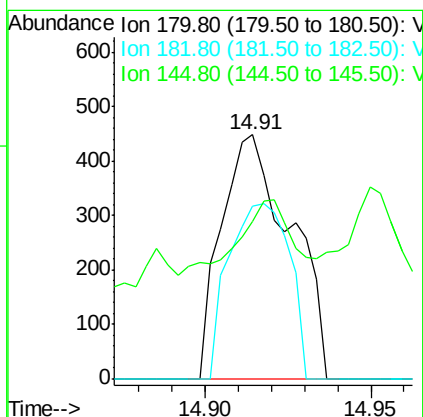
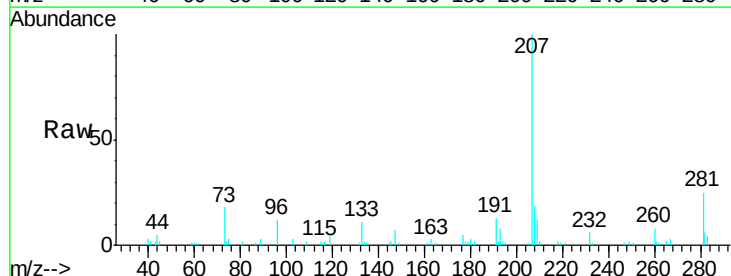
Instrument :
MSVOA_N
ClientSampleId :
MW-3-(17-20)DL

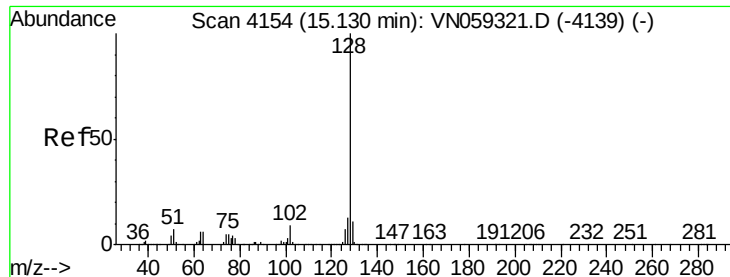
Tgt Ion:117 Resp: 1161
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#93
1,2,4-Trichlorobenzene
Concen: 3.111 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN059371.D
Acq: 22 Nov 2019 17:36

Tgt Ion:180 Resp: 653
Ion Ratio Lower Upper
180 100
182 62.2 47.2 141.6
145 71.1 14.9 44.5#

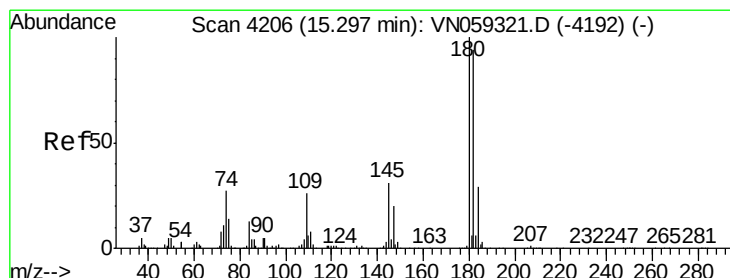
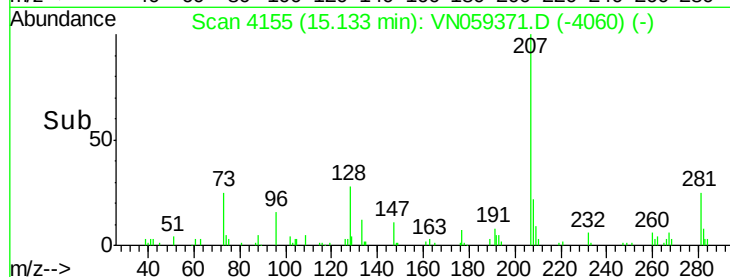
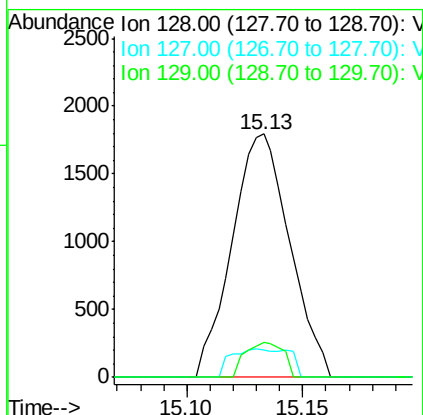
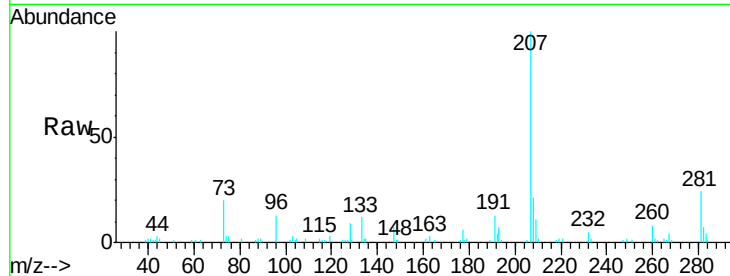




#95
Naphthalene
Concen: 3.462 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059371.D
Acq: 22 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
MW-3-(17-20)DL

Tgt Ion:128 Resp: 3101
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.2
129 9.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.139 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.01 min
Lab File: VN059371.D
Acq: 22 Nov 2019 17:36

Tgt Ion:180 Resp: 866
Ion Ratio Lower Upper
180 100
182 87.8 47.1 141.4
145 36.8 15.6 46.8

