

Data File : VN055644.D
Acq On : 18 May 2019 5:43
Operator : JC/SP
Sample : K2903-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16B_R2

Quant Time: May 20 02:17:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
Quant Title : SW846 8260
QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	413096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	581564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	495306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	190932	42.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.32%	
35) Dibromofluoromethane	7.59	113	177517	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.09	98	672135	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.40	95	218693	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	

Target Compounds

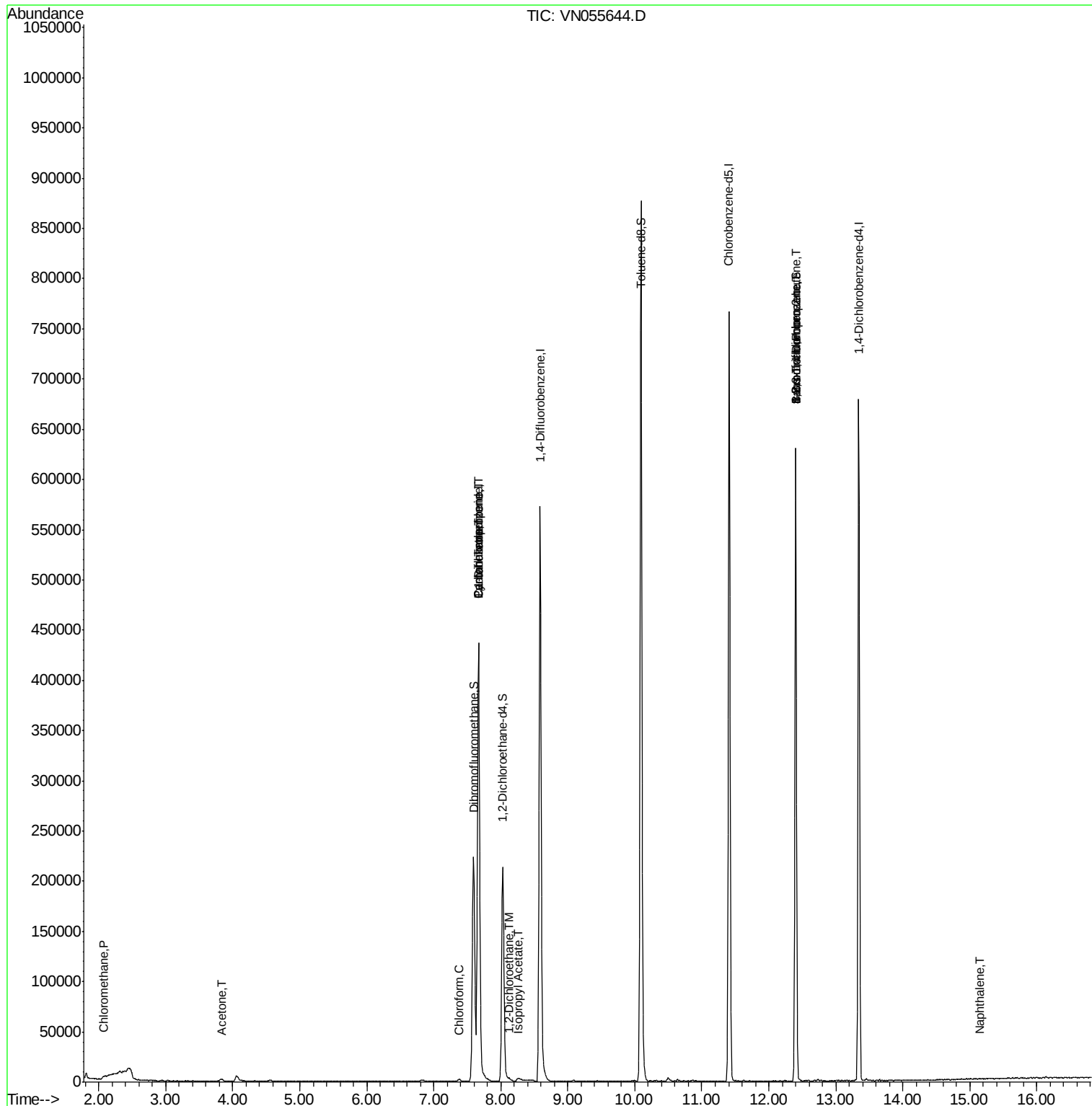
						Qvalue
3) Chloromethane	2.06	50	1007	0.238	ug/l	91
16) Acetone	3.82	43	4439	2.402	ug/l	96
30) Chloroform	7.37	83	2708	0.373	ug/l	91
31) Cyclohexane	7.66	56	6360	0.947	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	24537	4.732	ug/l #	49
38) Carbon Tetrachloride	7.67	117	34265	6.184	ug/l #	15
42) 1,2-Dichloroethane	8.12	62	1816	0.368	ug/l #	73
43) Isopropyl Acetate	8.26	43	2211	0.272	ug/l #	53
71) Bromoform	12.40	173	1331	0.390	ug/l #	1
73) Isopropylbenzene	12.25	105	291	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	100617	25.153	ug/l #	100
79) 2-Chlorotoluene	12.68	91	239	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	239	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	100617	64.657	ug/l #	17
83) tert-Butylbenzene	12.99	119	124	Below Cal	#	70
84) 1,2,4-Trimethylbenzene	13.04	105	360	Below Cal	#	30
85) sec-Butylbenzene	13.17	105	471	Below Cal	#	56
86) p-Isopropyltoluene	13.29	119	544	Below Cal	#	87
95) Naphthalene	15.14	128	547	1.816	ug/l #	69

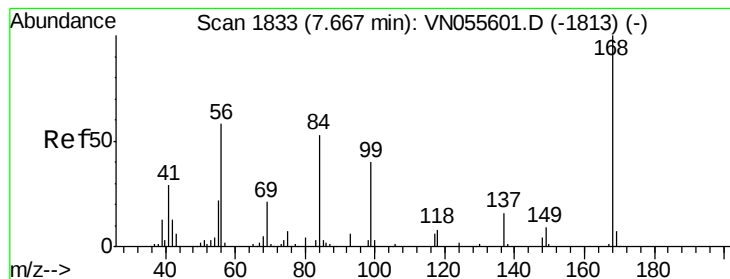
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

Instrument :

MSVOA_N

ClientSampleId :

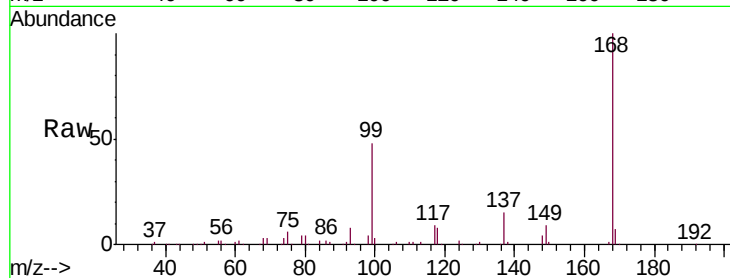
MW-16B_R2

Tgt Ion: 168 Resp: 413096

Ion Ratio Lower Upper

168 100

99 48.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

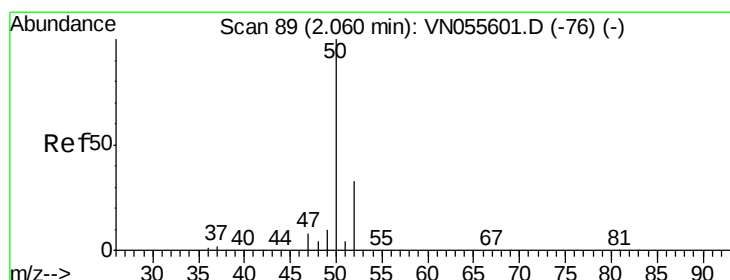
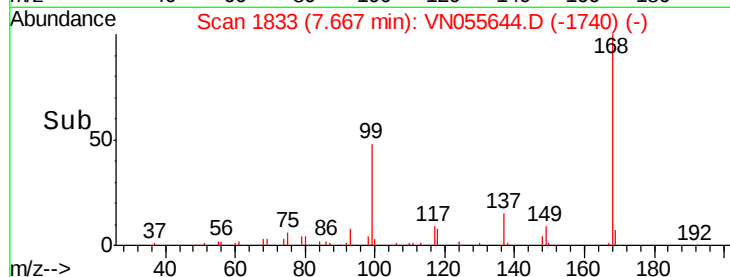
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#3

Chloromethane

Concen: 0.238 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055644.D

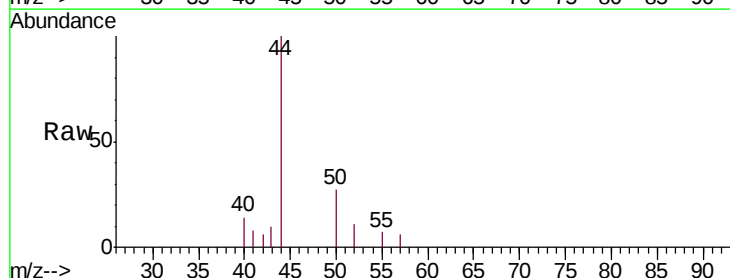
Acq: 18 May 2019 5:43

Tgt Ion: 50 Resp: 1007

Ion Ratio Lower Upper

50 100

52 38.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

800

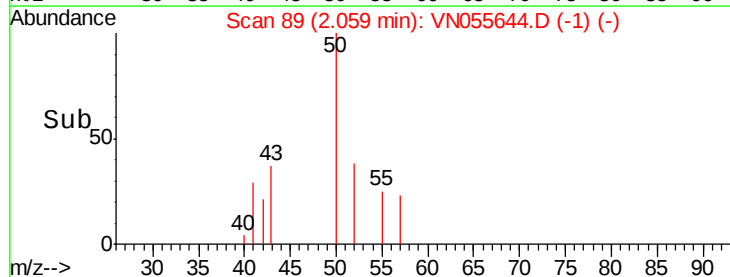
600

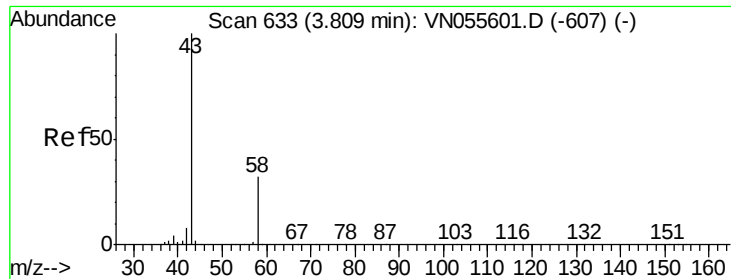
400

200

0

Time--> 2.02 2.04 2.06 2.08





#16

Acetone

Concen: 2.402 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.02 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

Instrument :

MSVOA_N

ClientSampled :

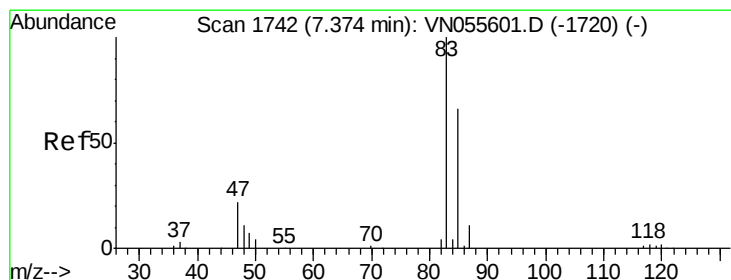
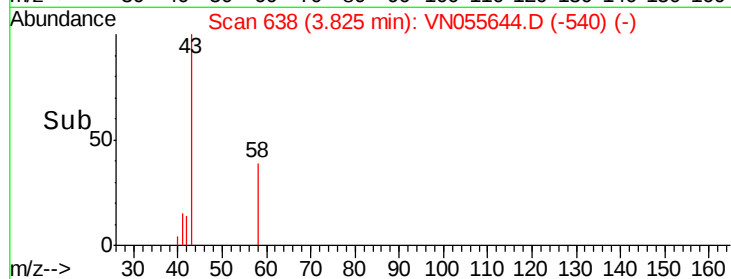
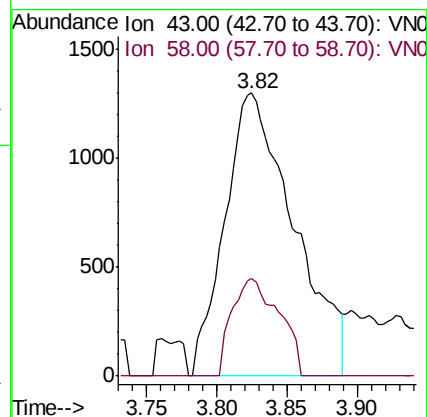
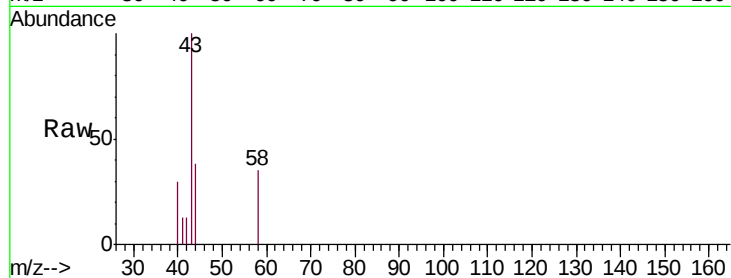
MW-16B_R2

Tgt Ion: 43 Resp: 4439

Ion Ratio Lower Upper

43 100

58 34.7 26.0 39.0



#30

Chloroform

Concen: 0.373 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VN055644.D

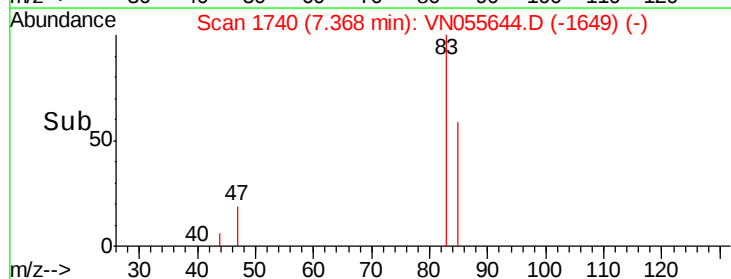
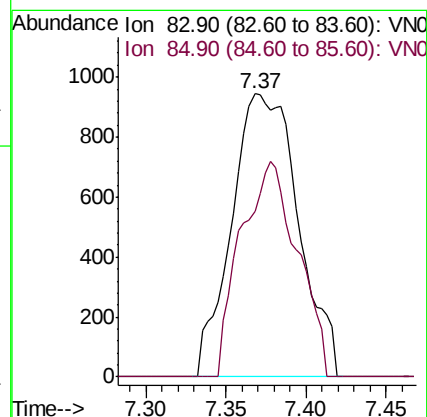
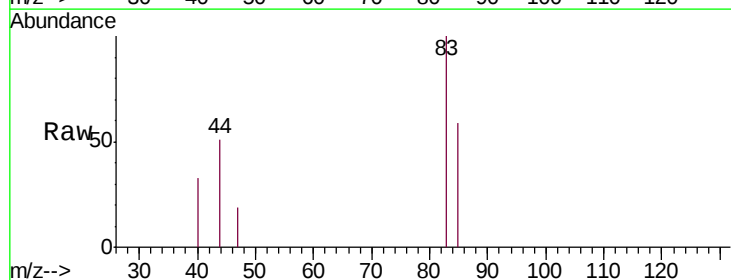
Acq: 18 May 2019 5:43

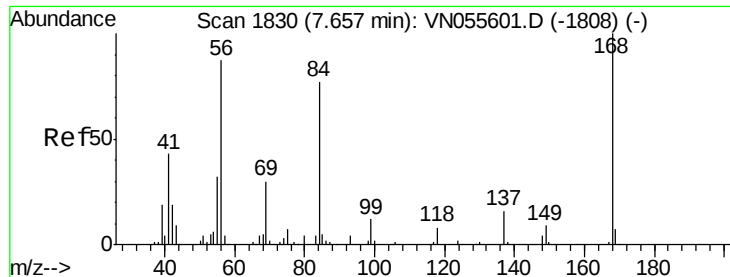
Tgt Ion: 83 Resp: 2708

Ion Ratio Lower Upper

83 100

85 58.7 52.6 78.8

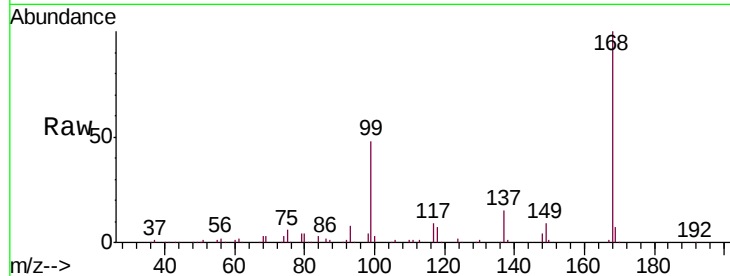




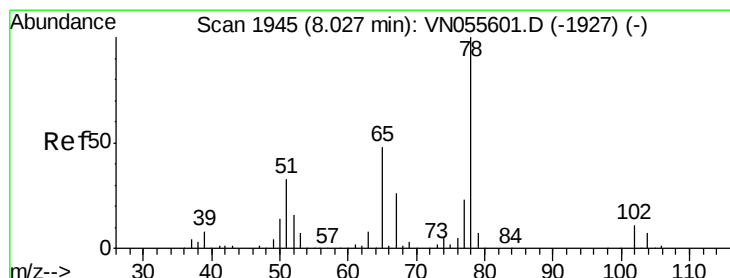
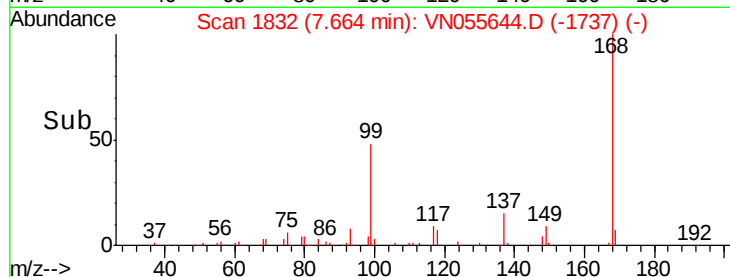
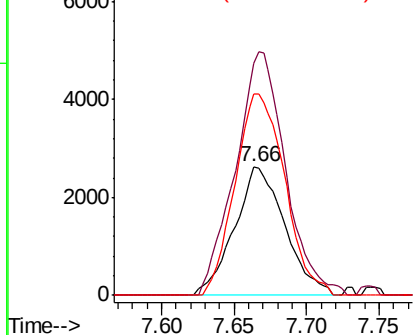
#31
Cyclohexane
Concen: 0.947 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055644.D
Acq: 18 May 2019 5:43

Instrument :
MSVOA_N
ClientSampled :
MW-16B_R2

Tgt Ion: 56 Resp: 6360
Ion Ratio Lower Upper
56 100
69 180.5 27.2 40.8#
84 156.1 71.3 106.9#

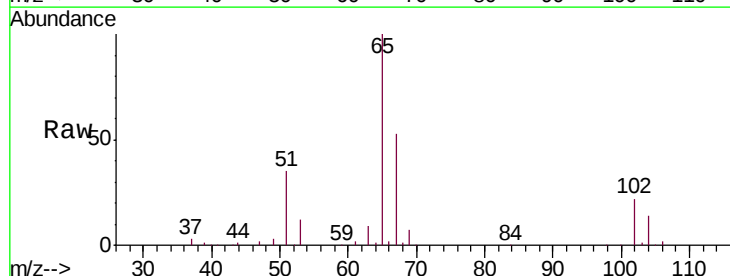


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

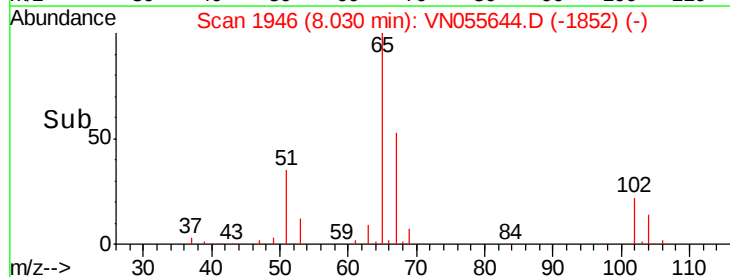
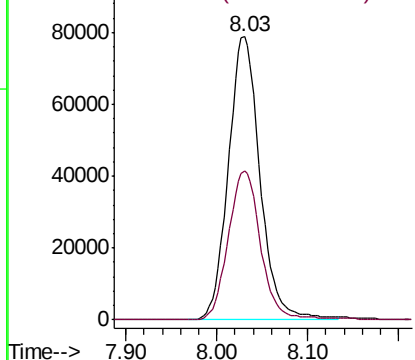


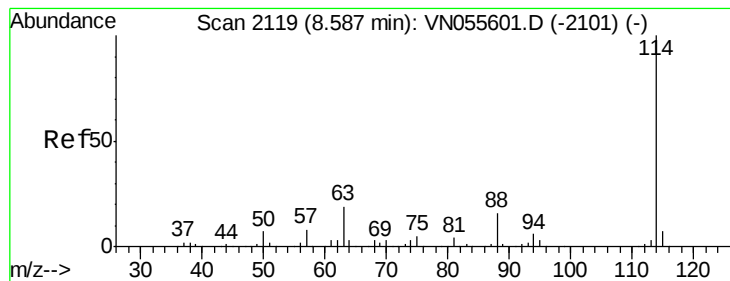
#33
1,2-Dichloroethane-d4
Concen: 42.164 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN055644.D
Acq: 18 May 2019 5:43

Tgt Ion: 65 Resp: 190932
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

Instrument :

MSVOA_N

ClientSampleId :

MW-16B_R2

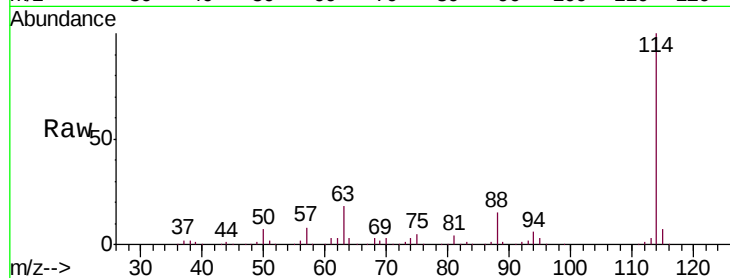
Tgt Ion:114 Resp: 581564

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.2

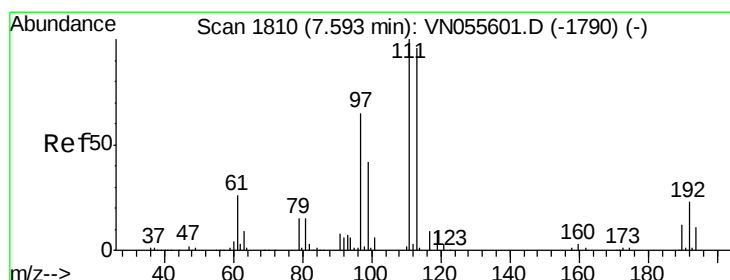
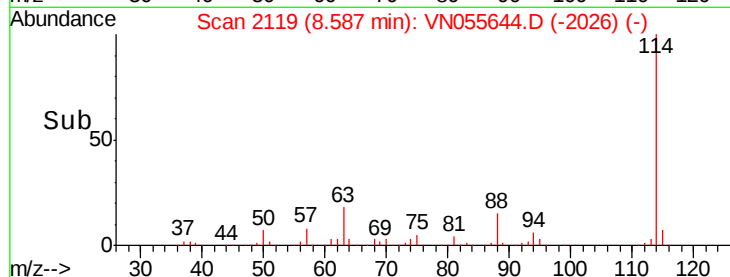
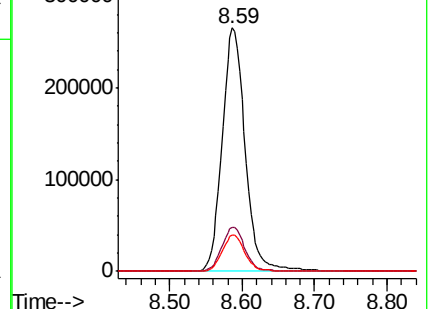
88 14.8 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 48.051 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

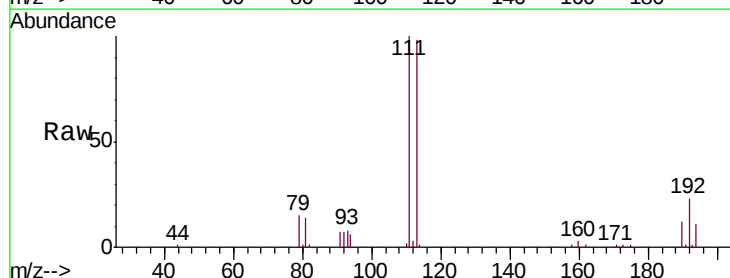
Tgt Ion:113 Resp: 177517

Ion Ratio Lower Upper

113 100

111 102.3 82.5 123.7

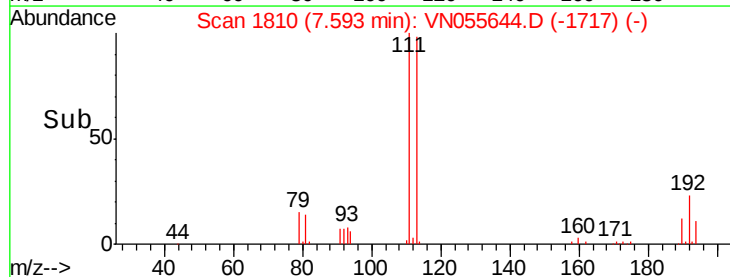
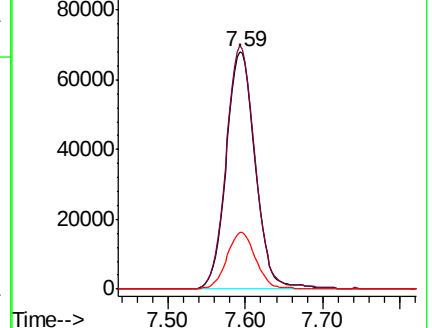
192 23.8 18.7 28.1

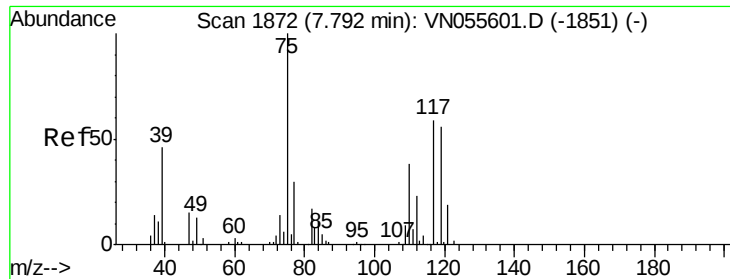


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

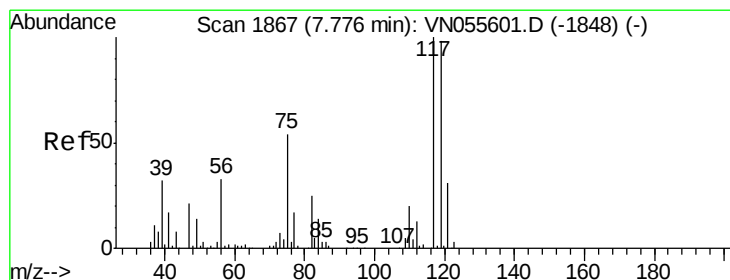
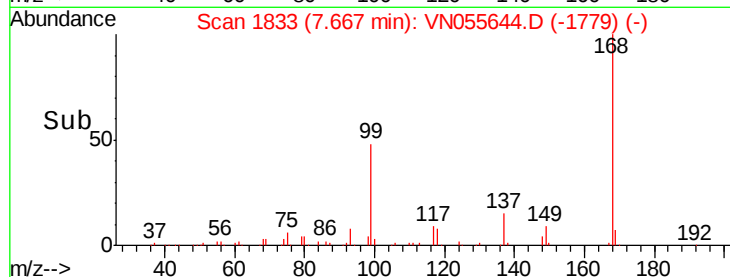
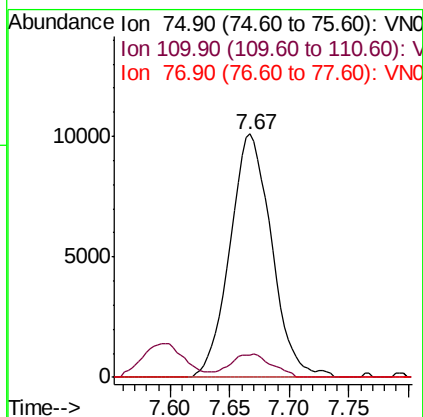
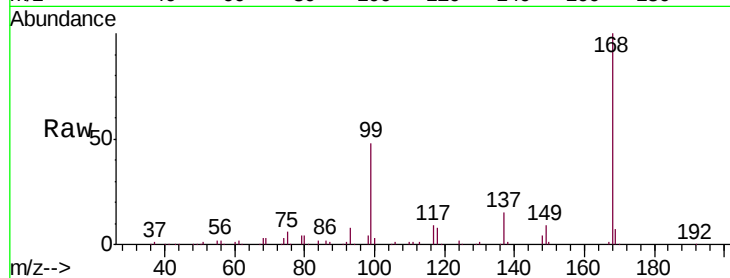




#36
 1,1-Dichloropropene
 Concen: 4.732 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055644.D
 Acq: 18 May 2019 5:43

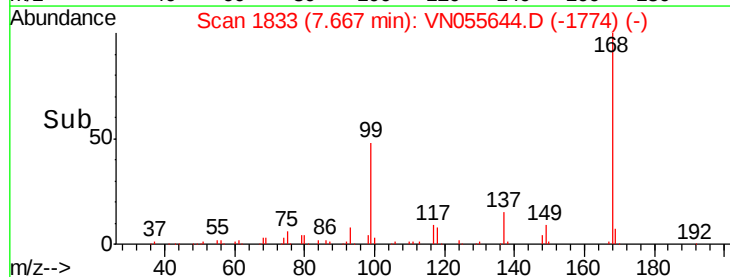
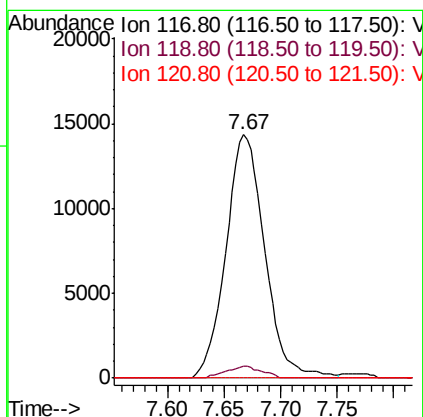
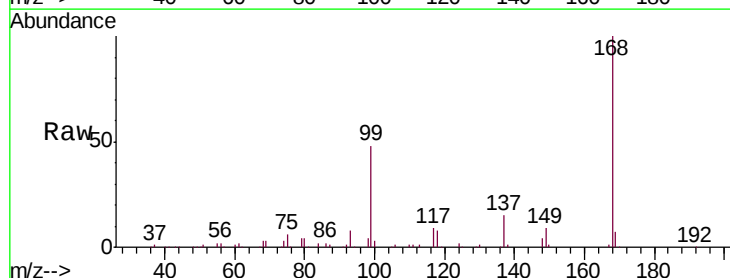
Instrument :
 MSVOA_N
 ClientSampled :
 MW-16B_R2

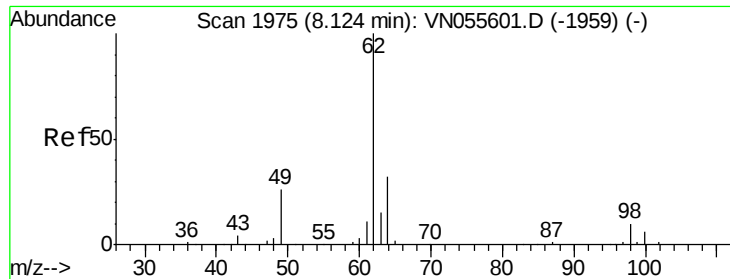
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.6	55.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.184 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055644.D
 Acq: 18 May 2019 5:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.8	116.8#
121	0.0	24.6	37.0#

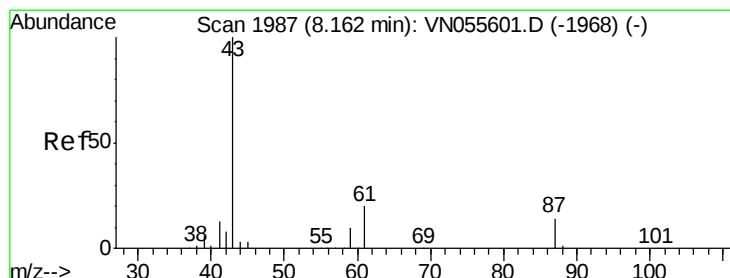
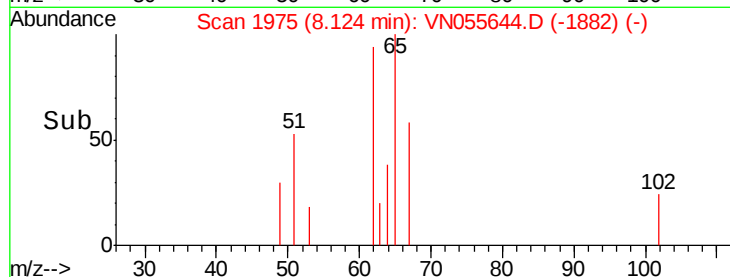
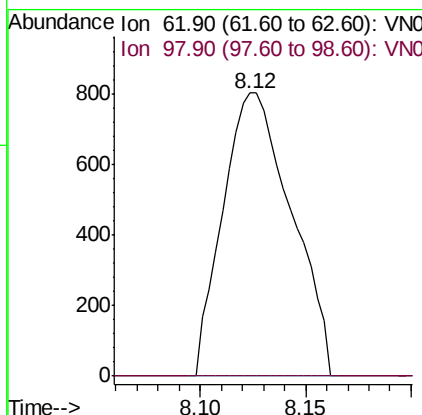
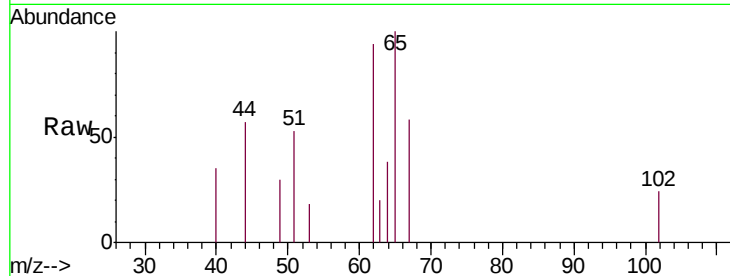




#42
 1,2-Dichloroethane
 Concen: 0.368 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN055644.D
 Acq: 18 May 2019 5:43

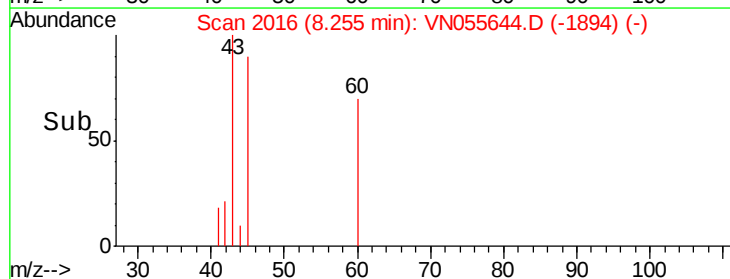
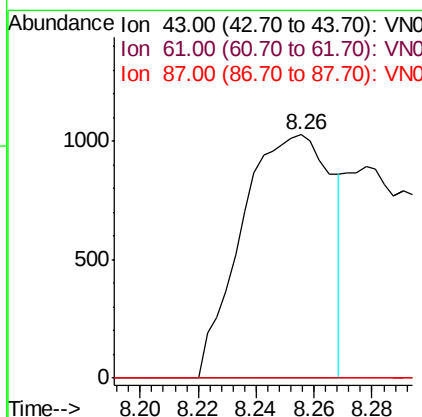
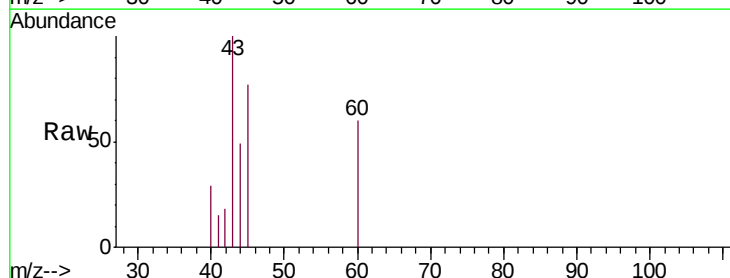
Instrument :
 MSVOA_N
 ClientSampled :
 MW-16B_R2

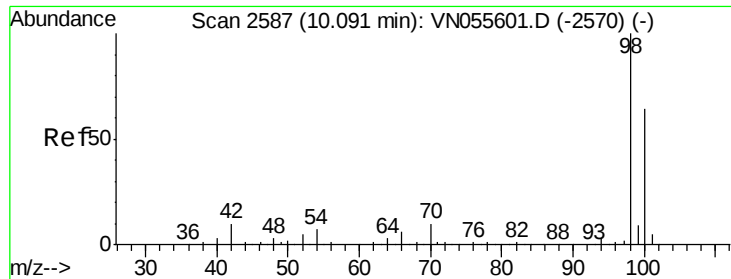
Tgt Ion: 62 Resp: 1816
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 20.2



#43
 Isopropyl Acetate
 Concen: 0.272 ug/l
 RT: 8.26 min Scan# 2016
 Delta R.T. 0.09 min
 Lab File: VN055644.D
 Acq: 18 May 2019 5:43

Tgt Ion: 43 Resp: 2211
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.1 33.1#
 87 0.0 11.8 17.6#





#50

Toluene-d8

Concen: 48.117 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

Instrument :

MSVOA_N

ClientSampleId :

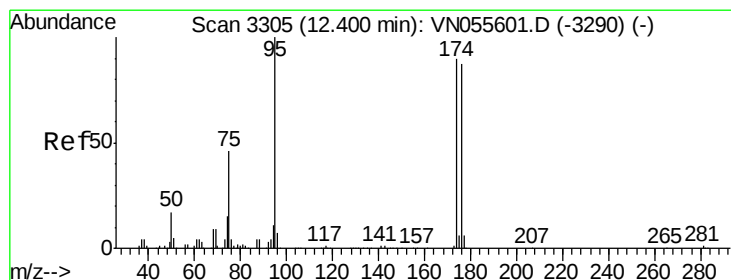
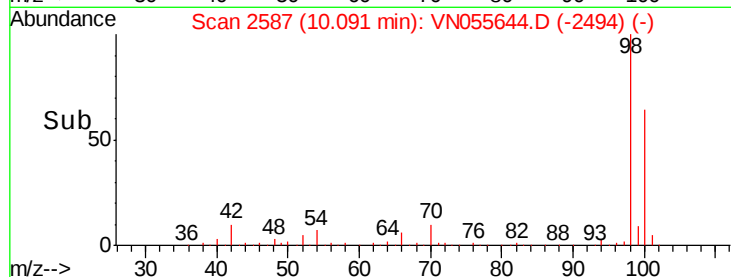
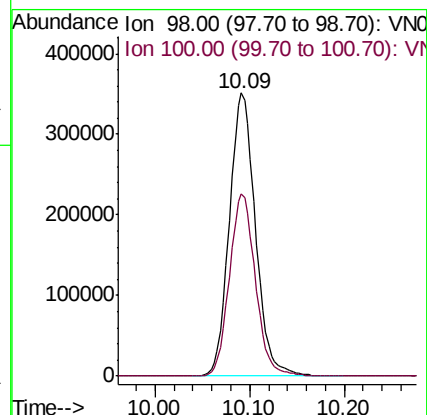
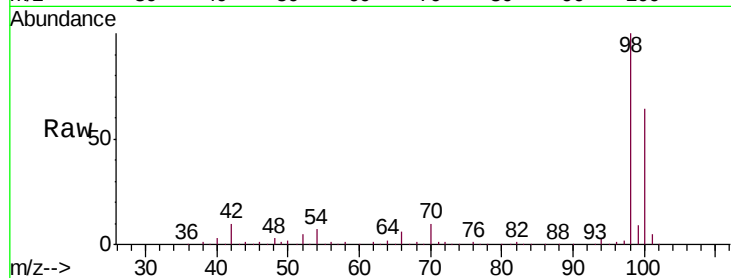
MW-16B_R2

Tgt Ion: 98 Resp: 672135

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.338 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

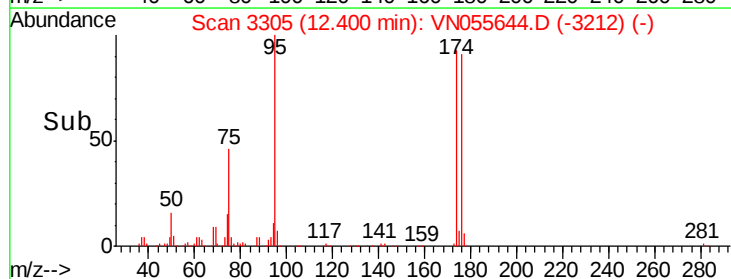
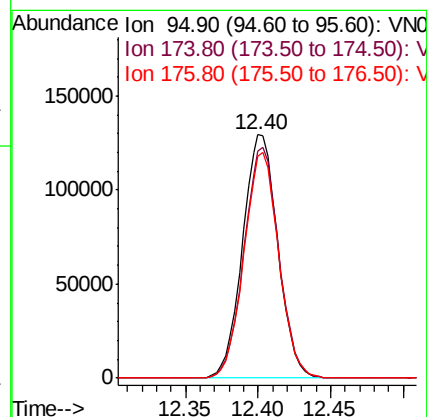
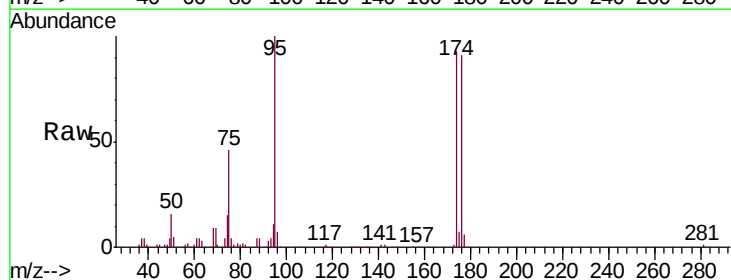
Tgt Ion: 95 Resp: 218693

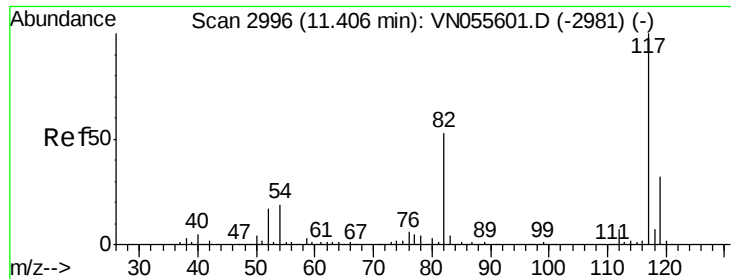
Ion Ratio Lower Upper

95 100

174 93.7 0.0 180.6

176 91.1 0.0 177.4

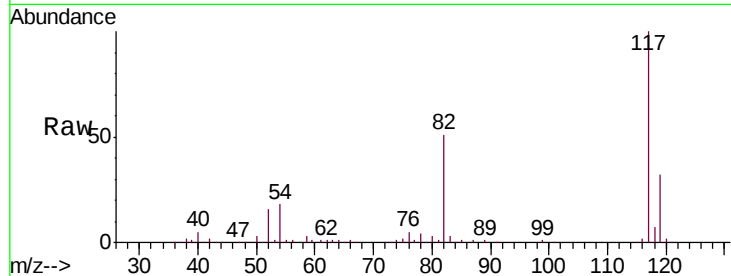




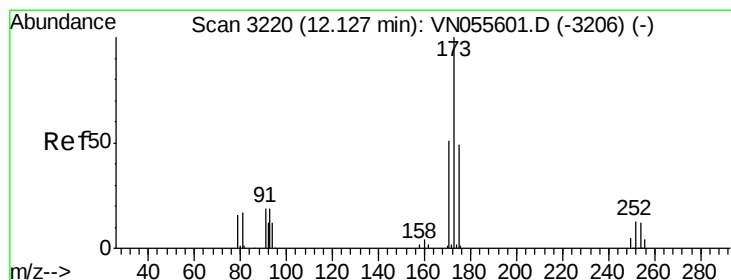
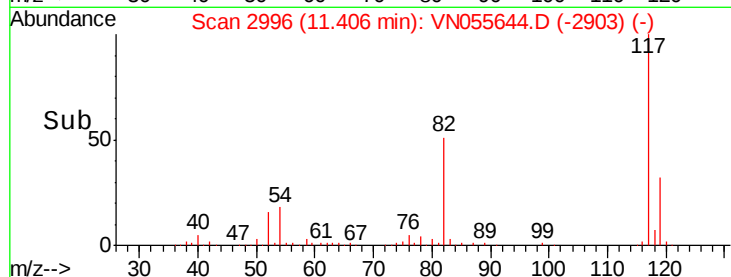
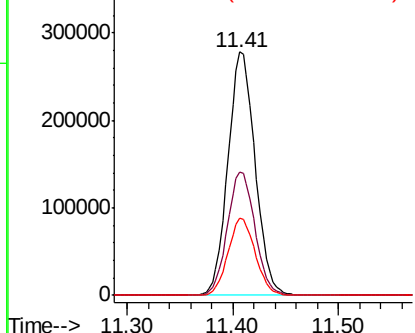
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055644.D
Acq: 18 May 2019 5:43

Instrument :
MSVOA_N
ClientSampleId :
MW-16B_R2

Tgt Ion:117 Resp: 495306
Ion Ratio Lower Upper
117 100
82 50.9 42.3 63.5
119 31.5 25.4 38.2

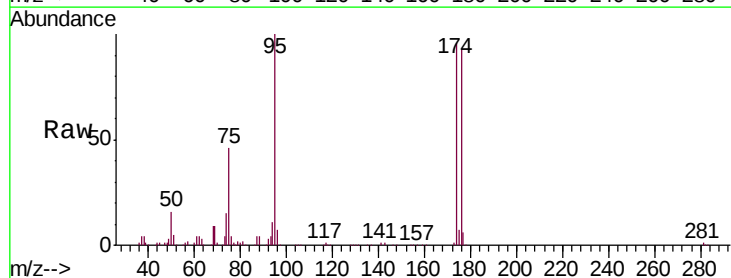


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

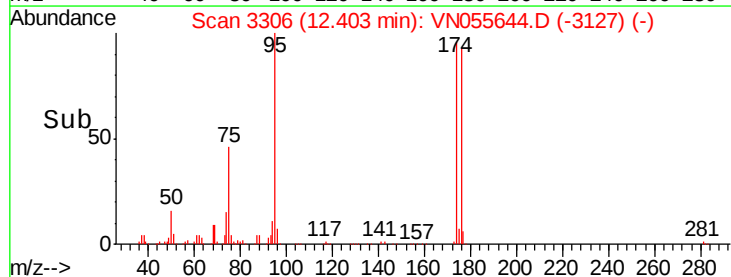
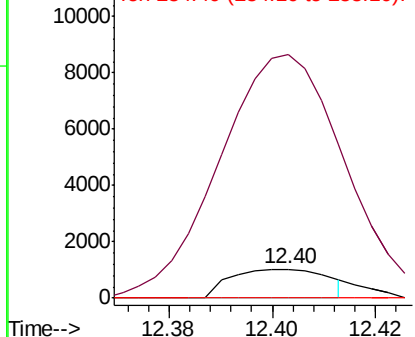


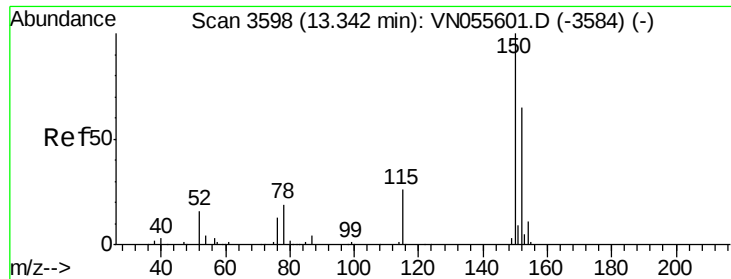
#71
Bromoform
Concen: 0.390 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055644.D
Acq: 18 May 2019 5:43

Tgt Ion:173 Resp: 1331
Ion Ratio Lower Upper
173 100
175 954.8 24.3 72.9#
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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

Instrument :

MSVOA_N

ClientSampleId :

MW-16B_R2

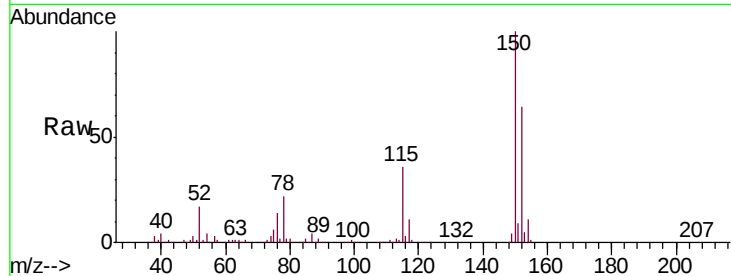
Tgt Ion:152 Resp: 196040

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.2

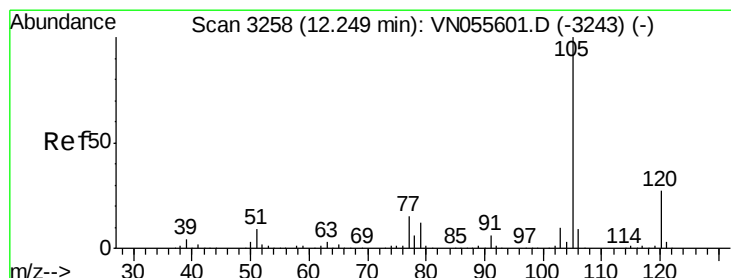
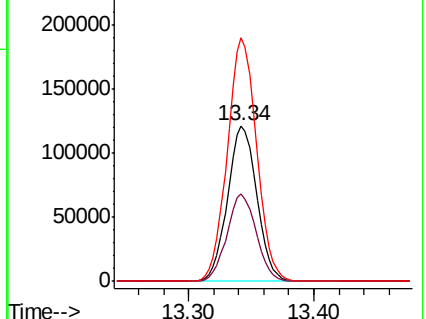
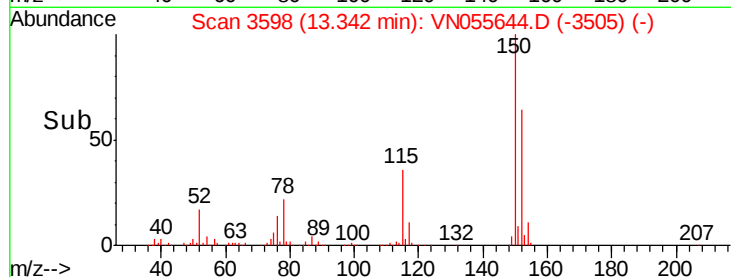
150 156.3 0.0 348.0



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: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055644.D

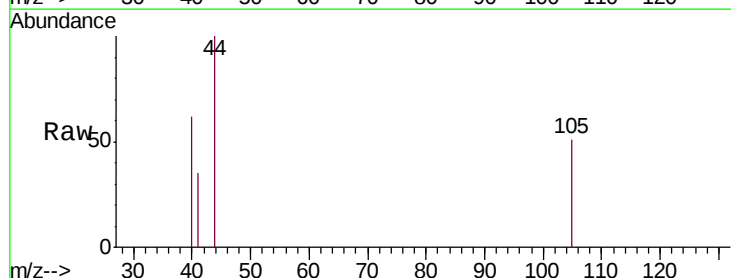
Acq: 18 May 2019 5:43

Tgt Ion:105 Resp: 291

Ion Ratio Lower Upper

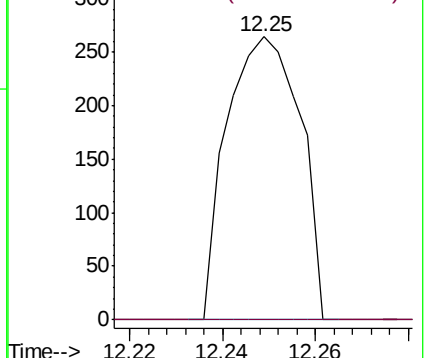
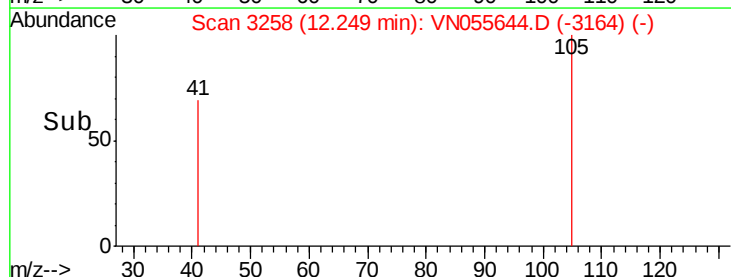
105 100

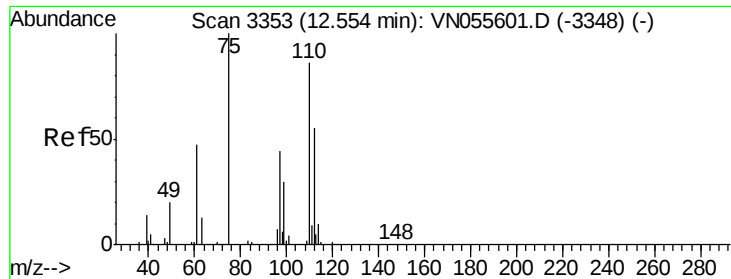
120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 25.153 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

Instrument :

MSVOA_N

ClientSampled :

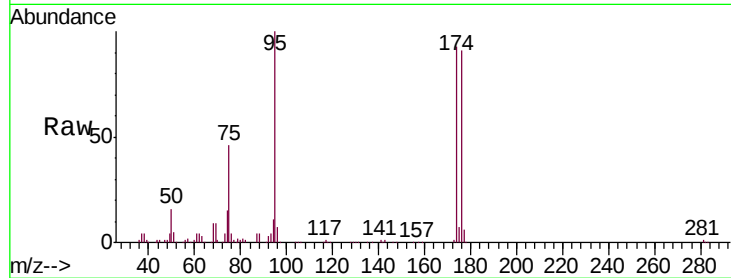
MW-16B_R2

Tgt Ion: 75 Resp: 100617

Ion Ratio Lower Upper

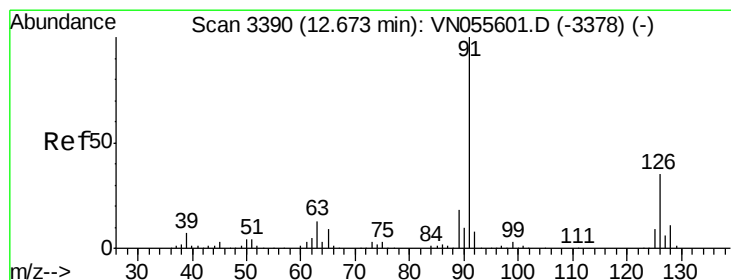
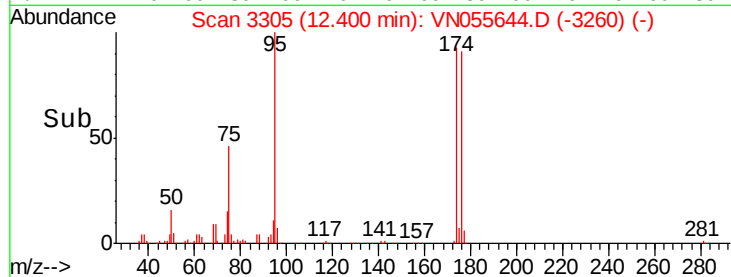
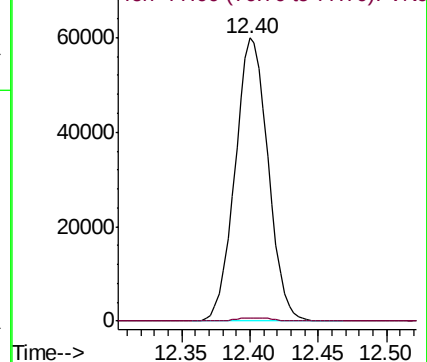
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055644.D

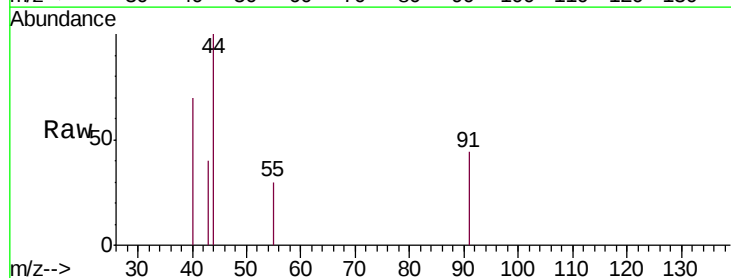
Acq: 18 May 2019 5:43

Tgt Ion: 91 Resp: 239

Ion Ratio Lower Upper

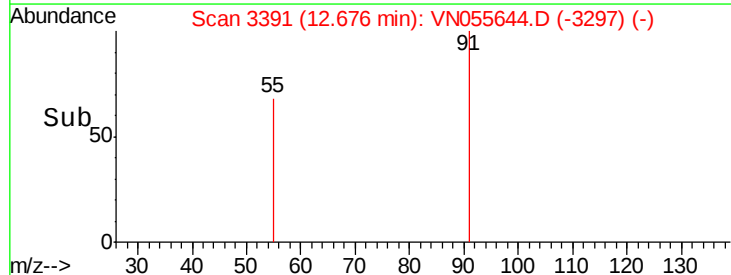
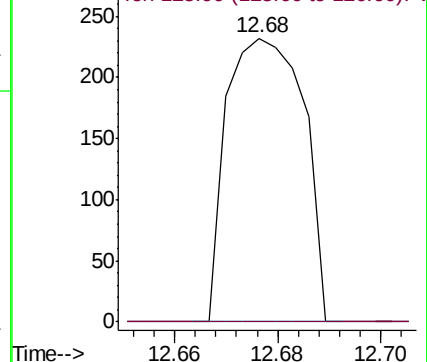
91 100

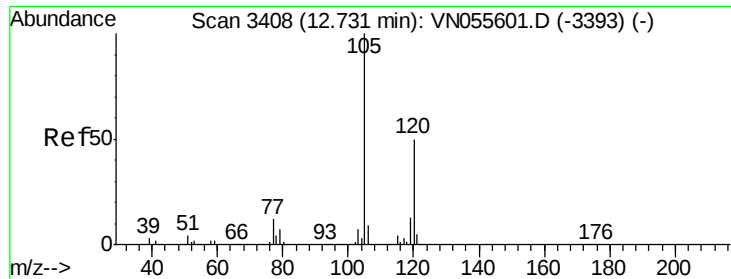
126 0.0 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

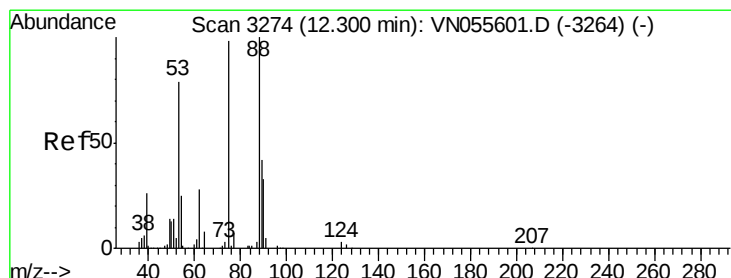
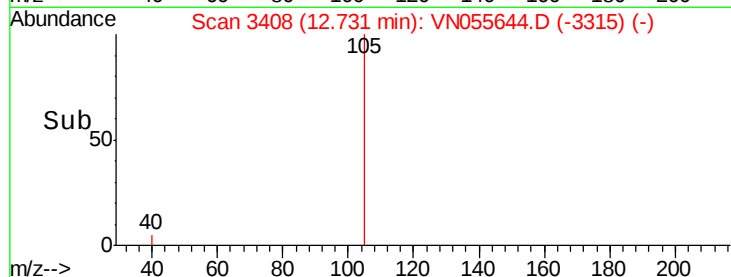
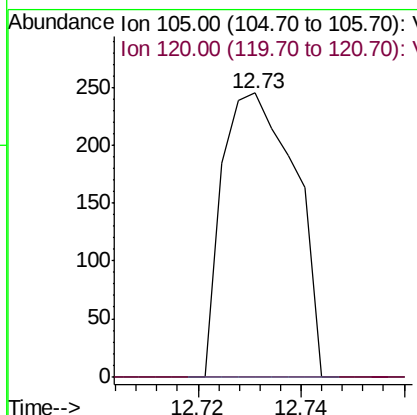
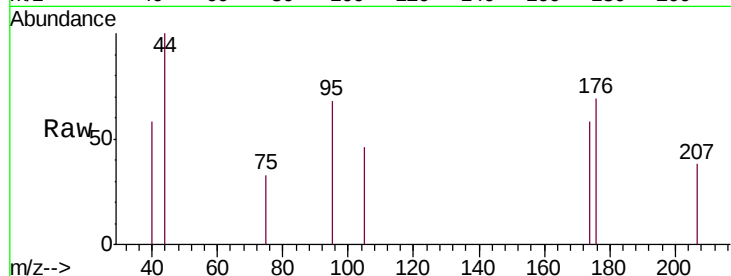




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055644.D
 Acq: 18 May 2019 5:43

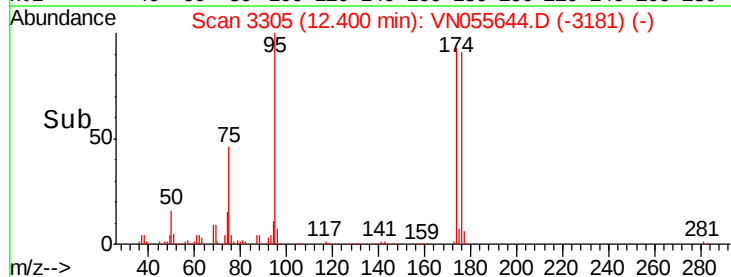
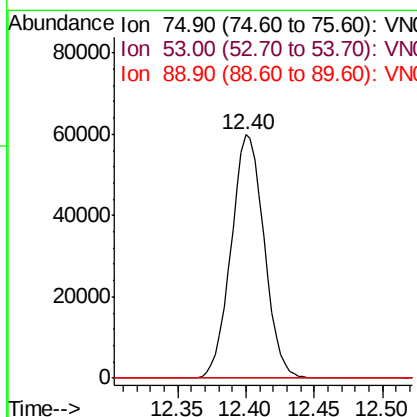
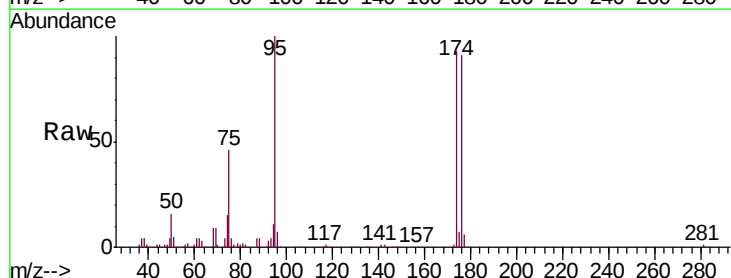
Instrument :
 MSVOA_N
 ClientSampled :
 MW-16B_R2

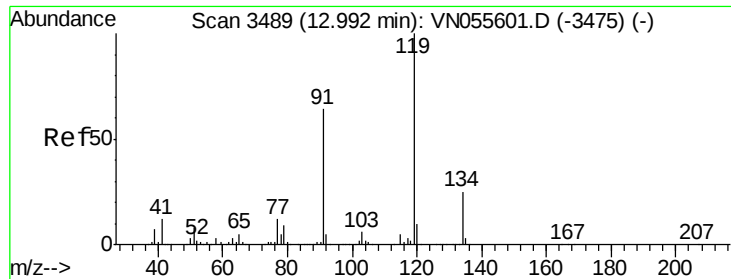
Tgt Ion: 105 Resp: 239
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.6 74.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.657 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055644.D
 Acq: 18 May 2019 5:43

Tgt Ion: 75 Resp: 100617
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.1 97.7#
 89 0.0 36.4 54.6#

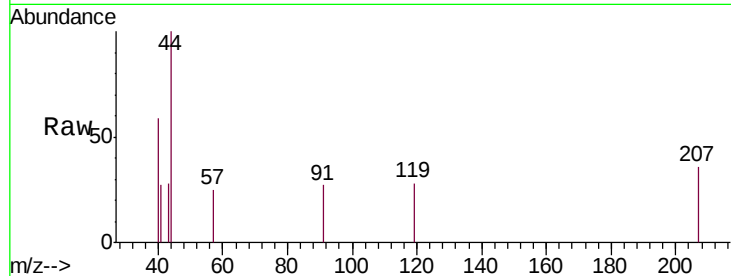




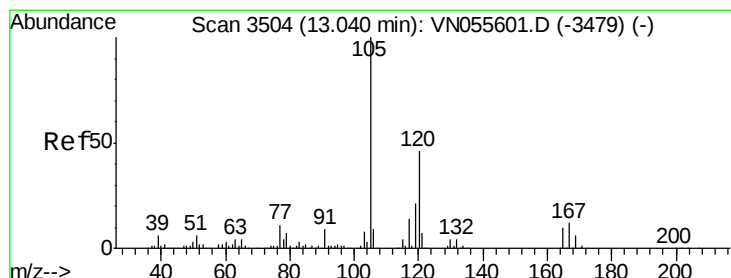
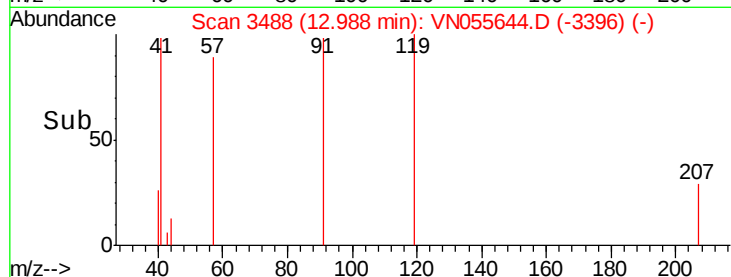
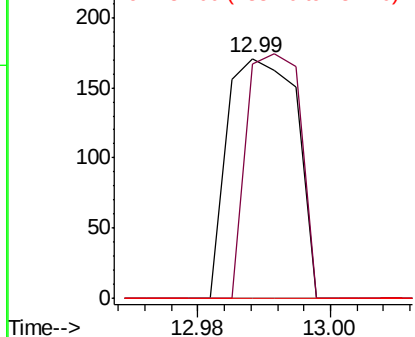
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN055644.D
Acq: 18 May 2019 5:43

Instrument :
MSVOA_N
ClientSampled :
MW-16B_R2

Tgt Ion:119 Resp: 124
Ion Ratio Lower Upper
119 100
91 79.0 31.3 93.8
134 0.0 13.2 39.6#

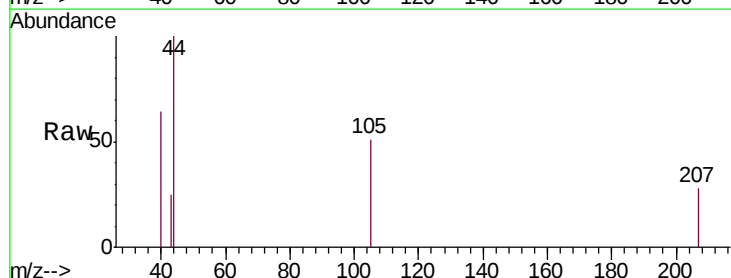


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

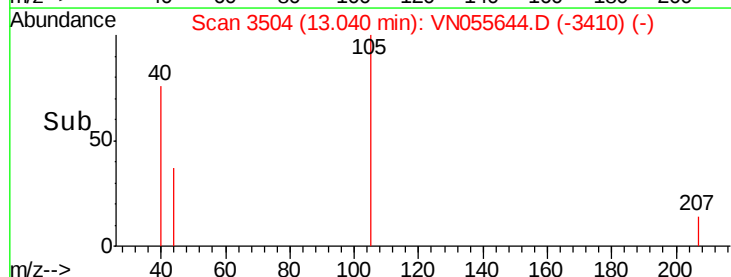
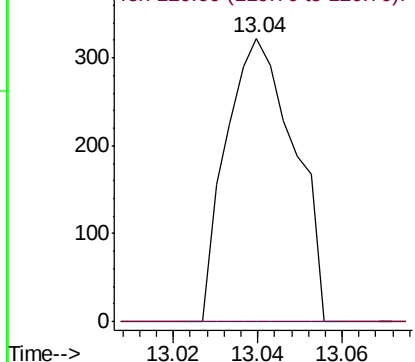


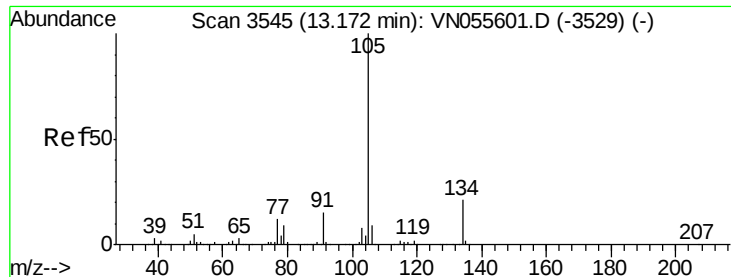
#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055644.D
Acq: 18 May 2019 5:43

Tgt Ion:105 Resp: 360
Ion Ratio Lower Upper
105 100
120 0.0 23.1 69.2#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

Instrument :

MSVOA_N

ClientSampled :

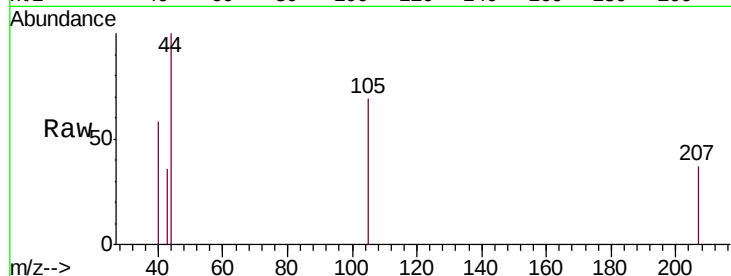
MW-16B_R2

Tgt Ion:105 Resp: 471

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400

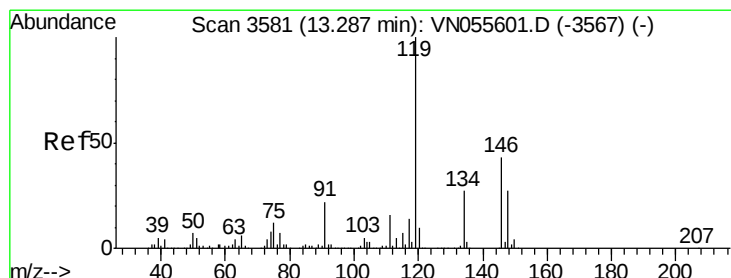
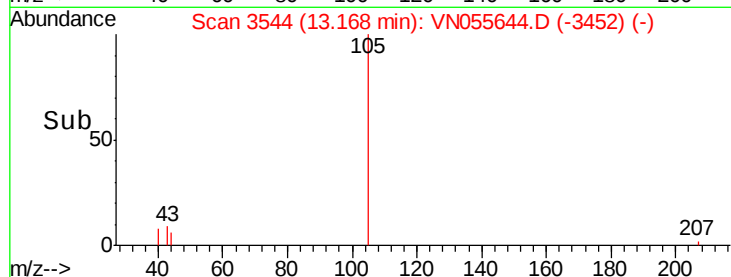
300

200

100

0

Time-->



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 13.29 min Scan# 3583

Delta R.T. 0.01 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

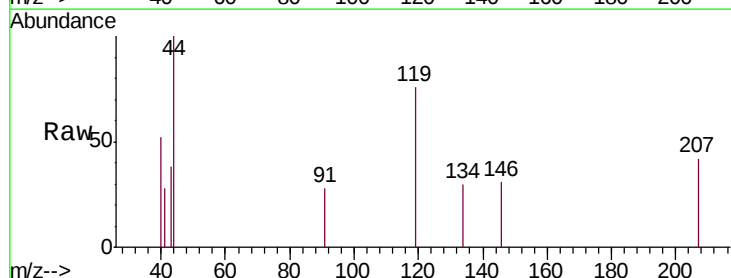
Tgt Ion:119 Resp: 544

Ion Ratio Lower Upper

119 100

134 29.2 13.4 40.2

91 10.8 11.0 33.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

500

400

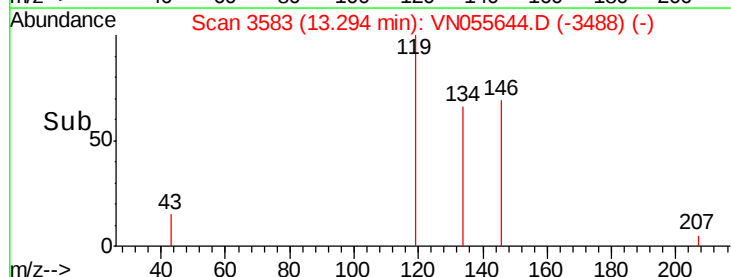
300

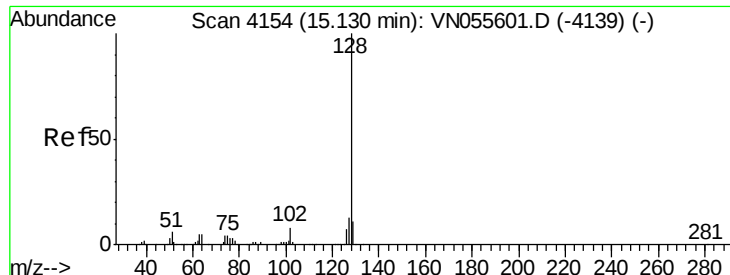
200

100

0

Time-->





#95

Naphthalene

Concen: 1.816 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055644.D

Acq: 18 May 2019 5:43

Instrument :

MSVOA_N

ClientSampleId :

MW-16B_R2

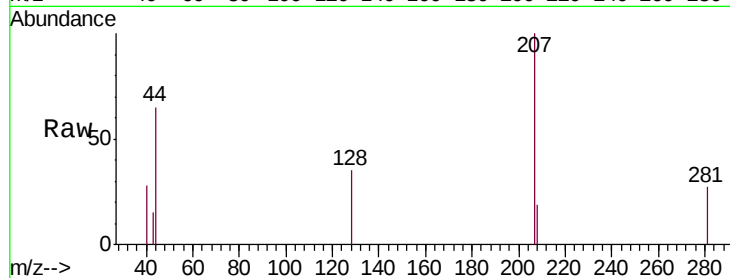
Tgt Ion:128 Resp: 547

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#



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

